

Project Application

Land Use Department

P.O. Box 660; 333 Calef Hwy, Barrington, NH 03825 ♦ Phone: 603-664-5798 ♦ Fax: 603-664-0188

238-50-TC-23-SR

Case Number: _____ Project Name: CALEF'S SOLAR Date 9/12/2023

Staff Signature required PRIOR to submittal

PRELIMINARY APPLICATION: Preliminary Conceptual Review ___ Design Review ___ Development of Regional Impact ___

FORMAL APPLICATION:

Subdivision Type: Major ___ Minor ___ Conventional ___ Conservation ___
Site Plan Review: Major ___ Minor X
Conditional Use Permit ___ Sign Permit ___ Boundary Line Adjustment ___ Special Permit ___
Change of Use ___ Extension for Site Plan or Subdivision Completion ___
Amendment to Subdivision/Site Plan Approval ___ Other ___

Project Name: CALEF'S SOLAR Area (Acres or S.F) 3.01

Project Address: 606 FRANKLIN PIERCE HIGHWAY

Current Zoning District(s): TC Map(s) 238 Lot(s) 50

Request: INSTALL SOLAR TRACKERS

The property owner shall designate an agent for the project. This person (the applicant) shall attend pre-application conferences and public hearings, will receive the agenda, recommendations, and case reports, and will communicate all case information to other parties as required.

All contacts for this project will be made through the Applicant listed below.

Owner: Greg Bolton
Company: 606 FPM LLC
Phone: 603 664-2231 Fax: _____ E-mail: Greg@calefs.com
Address: 606 FRANKLIN PIERCE HIGHWAY BARRINGTON NH 03825
603 370-8781

Applicant (Contact): _____
Company: _____
Phone: _____ Fax: _____ E-mail: _____
Address: _____

Developer: _____
Company: _____
Phone: _____ Fax: _____ E-mail: _____
Address: _____

Architect: _____
Company: _____
Phone: _____ Fax: _____ E-mail: _____
Address: _____

Engineer: _____
Company: _____
Phone: _____ Fax: _____ E-mail: _____
Address: _____

[Signature]
Owner Signature
Barbara Perry
Staff Signature

[Signature]
Applicant Signature
9/12/2023
Date

RECEIVED
SEP 12 2023
LAND USE OFFICE

APPLICATION AGREEMENT

I hereby apply for Site Plan Review and acknowledge I will comply with all of the Ordinances of the Town of Barrington, New Hampshire State Laws, as well as any stipulations of the Planning Board, in development and construction of this project. I understand that if any of the Site Plan Review or Application specifications are incomplete, the Application will be considered rejected.

In consideration for approval and the privileges accruing thereto, the subdivider thereby agrees:

- E. To carry out the improvements agreed upon and as shown and intended by said plat, including any work made necessary by unforeseen conditions which become apparent during construction of the site plan review.
- E. To post all streets "Private" until accepted by the Town and to provide and install street signs as approved by the Selectmen of the Town for all street intersections.
- E. To give the Town on demand, proper deeds for land or rights-of-way reserved on the plat for streets, drainage, or other purposes as agreed upon.
- E. To save the Town harmless from any obligation it may incur or repairs it may make, because of my failure to carry out any of the foregoing provisions.
- E. Mr/Mrs _____ of _____ The owners, by the communications to the subdivider may be addressed with any proceedings arising out of the agreement herein.

Signature of Owner: _____

Signature of Developer: _____

Technical Review Signatures: _____

Town Engineer/Planner Approval Signature: _____ The owners, by the filing of this application as indicated above, hereby give permission for any member of the Barrington Planning Board, the Town Engineer, The Conservation Commission and such agents or employees of the Town or other person as the Planning Board may authorize, to enter upon the property which is the subject of this application at all reasonable times for the purpose of such examinations, surveys, test and inspections as may be appropriate.

Applicant Cole's Salar Map/Lot# 238-50 Case# 238-50-TC-23-SR

**Site Review Application Checklist
Barrington Planning Board**

This checklist is intended to assist applicants in preparing a complete application for site review as required by the Barrington Site Review Regulations and must be submitted along with all site review applications. An applicant seeking site review approval shall be responsible for all requirements specified in the Barrington Site Review Regulations even if said requirements are omitted from this checklist.

An applicant seeking site review approval shall be responsible for providing all the information listed in the column below entitled "Site Review" and should place an "x" in each box to indicate that this information has been provided

SITE REVIEW APPLICATION CHECKLIST			Site Review		Waiver(s)
Check the Appropriate Boxes below:			Provided	NA	
Section I. General Requirements					
1. Completed Application Form (2.5.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
2. Complete abutters list (2.6.3 (5) or 2.5.1 (6))	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
3. Payment of all required fees (2.6.3 (4) or 2.5.1 (5))	<input type="checkbox"/>	<input type="checkbox"/>			
4. Three (3) full size sets of plans and twelve (12) sets of plans 11" by 17", submitted with all required information in accordance with the site review regulations and this checklist (2.6.3 (6) or 2.5.1 (7))	<input type="checkbox"/>	<input type="checkbox"/>			✓
5. Copies of any proposed easement deeds, protective covenants or other legal documents (3.9.1)	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
6. Any waiver request(s) submitted with justification in writing (3.9.8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
7. Completed Application Checklist (2.5.1 (3))	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Section II. General Plan Information					
1. Size and presentation of sheet(s) per registry requirements and the site review regulations (3.1.2)	<input type="checkbox"/>	<input type="checkbox"/>			✓
2. Title block information: (3.2.1)	<input type="checkbox"/>	<input type="checkbox"/>			
a. Drawing title (3.2.1 (1))	<input type="checkbox"/>	<input type="checkbox"/>			
b. Name of site plan (3.2.1 (2))	<input type="checkbox"/>	<input type="checkbox"/>			
c. Location of site plan (3.2.1 (3))	<input type="checkbox"/>	<input type="checkbox"/>			
d. Tax map & lot numbers of subject parcel(s) (3.2.1 (4))	<input type="checkbox"/>	<input type="checkbox"/>			
e. Name & address of owner(s) (3.2.1 (5))	<input type="checkbox"/>	<input type="checkbox"/>			
f. Date of plan (3.2.1 (6))	<input type="checkbox"/>	<input type="checkbox"/>			
g. Scale of plan (3.2.1 (7))	<input type="checkbox"/>	<input type="checkbox"/>			
h. Sheet number (3.2.1 (8))	<input type="checkbox"/>	<input type="checkbox"/>			
i. Name, address, & telephone number of design firm (3.2.1 (9))	<input type="checkbox"/>	<input type="checkbox"/>			
j. Name and address of Applicant (3.2.1 (10))	<input type="checkbox"/>	<input type="checkbox"/>			
3. Revision block with provision for amendment dates (3.2.3)	<input type="checkbox"/>	<input type="checkbox"/>			
4. Planning Board approval block provided on each sheet to be recorded (3.2.2)	<input type="checkbox"/>	<input type="checkbox"/>			
5. Certification block (for engineer or surveyor) (3.1.1)	<input type="checkbox"/>	<input type="checkbox"/>			
6. Match lines (if any)	<input type="checkbox"/>	<input type="checkbox"/>			
7. Zoning designation of subject parcel(s) including overlay districts (3.2.10 (4))	<input type="checkbox"/>	<input type="checkbox"/>			

SITE REVIEW APPLICATION CHECKLIST	Site Review		Waiver(s)
	Provided	NA	
Check the Appropriate Boxes below:			✓
8. Minimum lot area, frontage & setbacks dimensions required for district(s) 3.2.10(5)	<input type="checkbox"/>	<input type="checkbox"/>	
9. List Federal Emergency Management Agency (FEMA) sheet(s) used to identify 100-year flood elevation, locate the elevation (3.2.10 (12))	<input type="checkbox"/>	<input type="checkbox"/>	
10. Note the following: "If, during construction, it becomes apparent that deficiencies exist in the approved design drawings, the Contractor shall be required to correct the deficiencies to meet the requirements of the regulations at no expense to the Town." (3.2.10 (16))	<input type="checkbox"/>	<input type="checkbox"/>	
11. Note the following: "Required erosion control measures shall be installed prior to any disturbance of the site's surface area and shall be maintained through the completion of all construction activities. If, during construction, it becomes apparent that additional erosion control measures are required to stop any erosion on the construction site due to actual site conditions, the Owner shall be required to install the necessary erosion protection at no expense to the Town." (3.2.10(17))	<input type="checkbox"/>	<input type="checkbox"/>	
12. Note identifying which plans are to be recorded and which are on file at the town.	<input type="checkbox"/>	<input type="checkbox"/>	
13. Note the following: "All materials and methods of construction shall conform to Town of Barrington Site Review Regulations and the latest edition of the New Hampshire Department of Transportation's Standard Specifications for Road & Bridge Construction." (3.2.10 (18))	<input type="checkbox"/>	<input type="checkbox"/>	
14. North arrow (3.2.5)	<input type="checkbox"/>	<input type="checkbox"/>	
15. Floodplains-Location and elevation(s) of one-hundred (100)-year flood zone per FEMA Flood Insurance Study or as determined by drainage study (3.3 (18))	<input type="checkbox"/>	<input type="checkbox"/>	
16. Plan and deed references (3.2.6)	<input type="checkbox"/>	<input type="checkbox"/>	
17. The following notes shall be provided:	<input type="checkbox"/>	<input type="checkbox"/>	
a. Purpose of plan (3.2.10 (1))	<input type="checkbox"/>	<input type="checkbox"/>	
b. Existing and proposed use (3.2.10 (6))	<input type="checkbox"/>	<input type="checkbox"/>	
c. Water Supply source (name of provider (company) if offsite) (3.2.10 (10))	<input type="checkbox"/>	<input type="checkbox"/>	
d. Zoning variances/special exceptions with conditions (3.2.10 (11))	<input type="checkbox"/>	<input type="checkbox"/>	
e. List of required permits and permit approval numbers (3.2.10 (13))	<input type="checkbox"/>	<input type="checkbox"/>	
f. Vicinity sketch showing 1,000 feet surrounding the site (3.2.8)	<input type="checkbox"/>	<input type="checkbox"/>	
g. Plan index indicating all sheets (3.2.9)	<input type="checkbox"/>	<input type="checkbox"/>	
18. Boundaries-existing lot boundary defined by metes and bounds (3.3 (1))	<input type="checkbox"/>	<input type="checkbox"/>	
19. Boundary monuments (3.3 (4))	<input type="checkbox"/>	<input type="checkbox"/>	
a. Monuments found (4.2)	<input type="checkbox"/>	<input type="checkbox"/>	
b. Map number and lot number, name addresses, and zoning of all abutting land owners (3.3 (5))	<input type="checkbox"/>	<input type="checkbox"/>	
c. Monuments to be set (3.3 (4) & 4.2)	<input type="checkbox"/>	<input type="checkbox"/>	
20. Existing streets: (3.3 (6))	<input type="checkbox"/>	<input type="checkbox"/>	
a. Name labeled	<input type="checkbox"/>	<input type="checkbox"/>	
b. Status noted or labeled	<input type="checkbox"/>	<input type="checkbox"/>	
c. Right-of-way dimensioned	<input type="checkbox"/>	<input type="checkbox"/>	
d. Pavement width dimensioned	<input type="checkbox"/>	<input type="checkbox"/>	
21. Municipal boundaries (If any) (3.3 (7))	<input type="checkbox"/>	<input type="checkbox"/>	
22. Existing easements (identified by type) (3.3 (8))	<input type="checkbox"/>	<input type="checkbox"/>	
a. Drainage easement(s)	<input type="checkbox"/>	<input type="checkbox"/>	
b. Slope easement(s)	<input type="checkbox"/>	<input type="checkbox"/>	
c. Utility easement(s)	<input type="checkbox"/>	<input type="checkbox"/>	
d. Temporary easement(s) (Such as temporary turnaround)	<input type="checkbox"/>	<input type="checkbox"/>	

SITE REVIEW APPLICATION CHECKLIST	Site Review		Waiver(s)
	Provided	NA	
Check the Appropriate Boxes below:			✓
e. No-cut zone(s) along streams & wetlands (as may be requested by the Conservation Commission)	<input type="checkbox"/>	<input type="checkbox"/>	✓
f. Vehicular & pedestrian access easements(s)	<input type="checkbox"/>	<input type="checkbox"/>	
g. Visibility easement(s)	<input type="checkbox"/>	<input type="checkbox"/>	
h. Fire pond/cistern(s)	<input type="checkbox"/>	<input type="checkbox"/>	
i. Roadway widening easement(s)	<input type="checkbox"/>	<input type="checkbox"/>	
j. Walking trail easement(s)	<input type="checkbox"/>	<input type="checkbox"/>	
a) Other easement(s) Note type(s)	<input type="checkbox"/>	<input type="checkbox"/>	
23. Designation of each proposed lot (by Map & Lot numbers as provided by the assessor)	<input type="checkbox"/>	<input type="checkbox"/>	
24. Area of each lot being developed (in acres & square feet): (3.3 (9))	<input type="checkbox"/>	<input type="checkbox"/>	
a. Existing lot(s) (3.3 (9))	<input type="checkbox"/>	<input type="checkbox"/>	
b. Contiguous upland(s)	<input type="checkbox"/>	<input type="checkbox"/>	
25. Wetland delineation (including Prime Wetlands): (3.3 (13))	<input type="checkbox"/>	<input type="checkbox"/>	
a. Limits of wetlands (3.3 (13))	<input type="checkbox"/>	<input type="checkbox"/>	
b. Wetland delineation criteria (3.3 (13))	<input type="checkbox"/>	<input type="checkbox"/>	
c. Wetland Scientist certification (3.3 (13))	<input type="checkbox"/>	<input type="checkbox"/>	
26. Owner's signature(s) (3.3 (14))	<input type="checkbox"/>	<input type="checkbox"/>	
27. All required setbacks (3.3 (15))	<input type="checkbox"/>	<input type="checkbox"/>	
28. Physical features	<input type="checkbox"/>	<input type="checkbox"/>	
a. Buildings (3.3 (21))	<input type="checkbox"/>	<input type="checkbox"/>	
b. Wells (3.3 (16))	<input type="checkbox"/>	<input type="checkbox"/>	
c. Septic systems (3.3 (16))	<input type="checkbox"/>	<input type="checkbox"/>	
d. Stone walls (3.3 (16))	<input type="checkbox"/>	<input type="checkbox"/>	
e. Paved drives (3.3 (16))	<input type="checkbox"/>	<input type="checkbox"/>	
f. Gravel drives (3.3 (16))	<input type="checkbox"/>	<input type="checkbox"/>	
29. Location & name (if any) of any streams or water bodies (3.3 (17))	<input type="checkbox"/>	<input type="checkbox"/>	
30. Location of existing overhead utility lines, poles, towers, etc. (3.3 (19))	<input type="checkbox"/>	<input type="checkbox"/>	
31. Two-foot contour interval topography shown over all subject parcel (3.3 (3))	<input type="checkbox"/>	<input type="checkbox"/>	
32. Map & Lot #s, name, addresses, & zoning of all abutting land owners (3.3 (5))	<input type="checkbox"/>	<input type="checkbox"/>	
33.	<input type="checkbox"/>	<input type="checkbox"/>	

(Refusal to sign this permission form does not invalidate an application, but the Planning Board may not be able to make an informed decision regarding unseen lands with potential areas of concerns).

Signature of Owner:  _____

Note: The developer/individual in charge must have control over all project work and be available to the Road Agent and Code Enforcement Officer during the construction phase of the project. The Road Agent and Code Enforcement Officer must be notified within two (2) working days of any change by the individual in charge of the project.

ABUTTER LIST

Town of Barrington, NH

Please Print or Type

Applicant: 606 FPH REAL ESTATE LLL Phone 603 664 2731

Project Address: 606 FRANKLIN PIERCE HIGHWAY BARRINGTON

List the names and addresses of all parties below. For abutting lot owners, list each owner whose lot adjoins or is directly across the street or a body of water from the subject property. This form may not be completed more than five (5) days prior to the application deadline.

LEGAL OWNER OF SUBJECT LOT

Map	Lot	Zone	Owner Name	Mailing Address
238	50		606 FPH LLL	PO Box 77 BARRINGTON NH 03825

ABUTTING LOT OWNERS

Map	Lot	Owner Name	Owner Mailing Address (NOT property location)
		See Attached	

PROFESSIONALS AND EASEMENT HOLDERS. Engineers, Surveyors, Soil Scientists, and Architects whose seal appears or will appear on the plans (other than any agent submitting this application); holders of conservation, preservation, or agricultural easements; and upstream dam owners/NHDES.

Name of Professional or Easement Holder	Mailing Address

I, the undersigned, acknowledge that it is the responsibility of the applicant or his/her agent to fill out this form. I understand that any error or omission could affect the validity of any approval. The names and address listed on this form were obtained from the Town of Barrington Assessing Office

on this date: _____, This is page ____ of ____ pages.

Applicant or Agent: _____

Planning Staff Verification: _____ Date: _____

614 FPH REAL ESTATE LLC
PO BOX 57
BARRINGTON, NH 03825

ANDERSON DONALD L
DONALD L ANDERSON REV TR
PO BOX 165
N BERWICK, ME 03906

BENNETT BERNARD F SR & SU
BENNETT SUSAN D & BERNARD
611 FRANKLIN PIERCE HWY
BARRINGTON, NH 03825

DESAULNIERS COMMONS LLC
480 NEW ORCHARD RD
EPSOM, NH 03234

ELFMADE PROPERTIES LLC
PO BOX 349
BARRINGTON, NH 03825

LEIFER SUSAN
624 FRANKLIN PIERCE HWY
BARRINGTON, NH 03825

TOWN CENTER PROPERTIES LL
PO BOX 727
DOVER, NH 03821

LAND USE APPLICATION FEES

SITE REVIEWS

— Minor Site Plan Review: \$150 per application

Major Site Plan Review: \$300 per application

\$8.00 per abutter-including owner and all professionals

ZONING

\$150.00 Application Fee; Per variance request

\$250.00 Public Notice Fee

\$8.00 per abutter-including owner and all professionals

SUBDIVISIONS

\$300.00 per application and additional \$150.00 per lot

\$50 Recording at registry fee for first fee (If additional pages are to be recorded fees will be collected by the Town.)

LCHIP (\$25 Payable to Registry of Deeds.)

\$8.00 per abutter-including owner and all professionals

LOT LINES

\$150 per application and additional \$150.00 per lot

\$50 Recording at registry fee for first fee (If additional pages are to be recorded fees will be collected by the Town.)

LCHIP (\$25 Payable to Registry of Deeds.)

\$8.00 per abutter-including owner and all professionals

Site Plan Waiver Request Form

Under Site Plan Regulations 3.9.8-Waivers and Article 8-Waiver Procedure

If there is more than one waiver requested, each waiver request is to be individually listed and described, as each waiver is considered individually by the Town of Barrington Planning Board. A petition for waiver shall be submitted in writing by the applicant with the application for review. The request shall fully state the grounds for which the waiver is requested and all facts supporting this request with reference to the applicable Barrington Site Plan Regulations article, section and paragraph. **Each waiver granted shall be listed on the approved site plan.**

Name of Site Plan (See Title Box): Calef's Salar

Case Number: 238-50-TC-23-SR

Site Location: 606 Franklin Pierce Highway BARRINGTON

Zoning District(s): TC

Owner (s): 606 FPIH LLC

Address of Owner(s): PO Box 77 BARRINGTON, NH 03875

Address Line 2: _____

Name of Applicant (if different from owner): _____

Phone Number 603 664-7231 Email GREY@CALEFS.COM

Land Surveyor: N/A

I [Signature] seek the following waiver to the Town of Barrington Site Plan regulations for the above case submittal:

ARTICLE III

Also 2.6.3

Signature of Owner/Applicant [Signature] Date 9/12 2023

TOWN OF BARRINGTON - LAND USE DEPARTMENT

PROJECT NARRATIVE

PROJECT NAME CALEF'S SOLAR CASE FILE NUMBER 238-50-TC-23-SR

PROJECT LOCATION 606 Franklin Pierce Highway

DATE OF APPLICATION 9/12 2023

Property Details:

Single-Family Residential Multi-Family Residential Commercial Industrial

Current Zoning: TC Lot Area Size 3.01 Acres

Setbacks: Front Side Rear

Parking Spaces Required: Parking Spaces Provided:

Please describe your project and its purpose and intent. You may attach a typed description.

TO INSTALL 2 48 PANEL SOLAR TRACKERS.
DETAILS ATTACHED.

SUN ACTION DUAL TRACK

48-panel trackers: 6 panels wide, 8 panels tall (landscape) = 41.2 ft x 27.25 feet tall

Approximately 1125 sq ft

Max height off ground when at its most vertical: Approximately 32.5 feet (30-2.5 plus the post)

Minimum height off ground at its most vertical: Approximately 9.5 feet (7-4 plus the post)

Turn radius: extends 25 feet (half of 50) from the center of the pole.

Spacing: 80 ft north-south, 60 east-west; 75 n-s, 65 e-w (no additional setback)

1 = 120x160 = 19,200 sq ft

4 = 180 x 240 = 43,200 sq ft

48 Base: 8x8x3 feet; 9 yards of concrete = 45,000 lbs

Rebar: 6 feet. 3 ft in concrete base, 1 foot in tube below grade, 2 feet above grade (sticking out)

STAPLES PLAZA

125 Washington Street (Rt 202), Rochester, NH



Three, 42-panel Sun Action trackers using 385 watt bi-facial panels & SunnyBoy inverter.
System size: 48.51 kW,
with estimated annual production of 84,893 kWh

PIP STORAGE

Sterling Drive, Rochester NH (across from Walmart on Rt. 11)

Eleven, 48-panel Sun Action trackers using 460 watt bi-facial panels & Sunny Boy inverters.
System size: 242.88 kW.
Expected annual production: 425,000 kWh



Call, Text, or Email | info@brightspot.solar | 603-833-8870

FREE CONSULTATION & PROPOSAL

RESIDENTIAL SYSTEMS



Littleworth Rd (Rt 9), Dover NH

One, 24-panel Sun Action tracker using 460 watt bi-facial panels & a Sunny Boy inverter. System size: 11.04 kW. Expected annual production: 16,560 – 19,320 kWh



Champlin Ridge Road, Rochester NH

One, 48-panel Sun Action tracker using 460 watt bi-facial panels & a Sunny Boy inverter. System size: 22.08 kW. Expected annual production: 33,120 - 38,640 kWh

OFFICE BUILDING (RSA REALTY)

123 Washington Street (Rt 202), Rochester, NH



One, 24-panel Sun Action tracker using 385 watt bi-facial panels & Sunny Boy inverter.

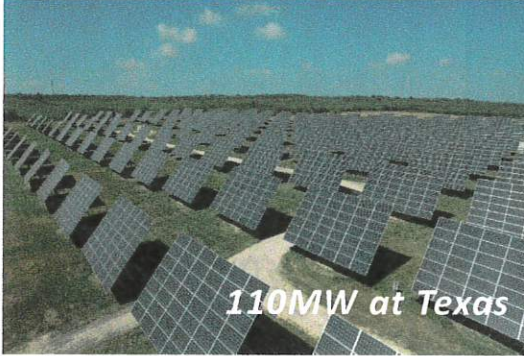
System size: 9.24 kW, with estimated annual production of 16,170 kWh



Call, Text, or Email | info@brightspot.solar | 603-833-8870

FREE CONSULTATION & PROPOSAL

+ 1.5GW Developments
Active in 50 state and + 20 countries



Global Presence

At Sun Action Trackers, we have the knowledge and expertise to better serve you. We've deployed over **1.5GW** of proven solar technology worldwide. We manufacture and deliver the highest quality products to Utility, Agricultural & Commercial and Residential market.

Reliability & Bankability

We guarantee bankability and stability on our products and technology with a Technical Due Diligence Report from **Black & Veatch** and **UL**. Furthermore, giving you breakthrough solar tracking systems that are reliable and efficient.



Sun Action Trackers
15143 Tradesman Dr.
San Antonio, Texas 78249

www.sat-energy.com
Info@sat-energy.com



“All terrain” DualTrack.

It can be installed in nearly **any terrain**, including flood zones, landfills, farmlands, hill and mountain slopes with **Zero civil cost**

Sun Action Trackers’ DualTrack is perfect for your Utility, agricultural, commercial, and industrial projects. DualTrack can be mounted with **42 or 48 panels** (72cell).

Compared with other system:

- Single axis tracker or Fixed tilt + **Civil cost** = Dual Axis Tracker
- **Reduce 30% of solar panel counts** with same output by using Dual Axis Tracker
- In general, Dual Axis Tracker generates **45%** more than Fixed Tilt and **25%** more than Single Axis Tracker (actual results may slightly vary by region)

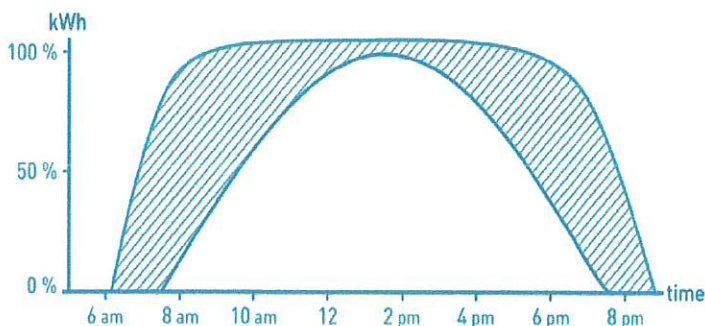


More Power To You

The DualTrack 24/42 captures the most optimal energy for your home, thanks to our Real-time Sensors that guide our systems to the **maximum point of 70% increased** production comparing with Roof-top solar.

- Generate **45% more** productions than fixed tilt solar by tracking the sun
- Generate **15% more** productions than Roof-top solar by using Bi-facial panel
- Generate **10% more** productions than Roof-top solar because Roof-top solar can not install the optimal angle and direction to the sun

(actual results may slightly vary by region)



Dual Axis vs. Rooftop Output

Key Features & Benefits

Technical supports - We provide company support during the lifetime of the tracker (Operation and Troubleshooting).

Low and easy maintenance - low voltage DC motors which require low maintenance and minimum downtime.

Remote Monitoring and control [Optional] - Use communication protocol programmed with wireless capabilities to remotely control and to check your tracker status from anywhere with a WIFI connection.



Sun Action Trackers
15143 Tradesman Dr.
San Antonio, Texas 78249
www.sat-energy.com
Info@sat-energy.com

Key System Advantages



Real Time Sensing

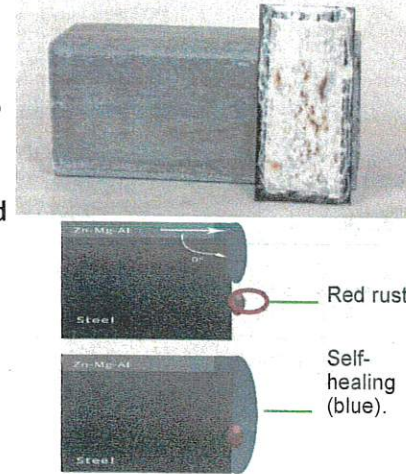
Real Time Sensing Technology is a patented solar tracking sensor developed to provide a more efficient way of solar tracking than traditional solar tracking methods.

- No Calibration for tracker required
- No wasted energy during cloudy day
- 4% – 6% Average increased energy generation than GPS tracking system

MAC Steel

Magnesium Alloy Coated (MAC) steel is tested and engineered to be 5-10times more resistant to corrosive environments compared to standard galvanized steel

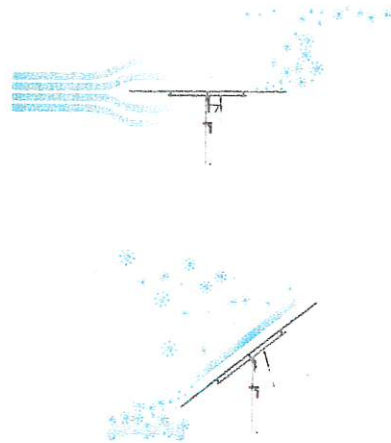
The self-healing properties of MAC steel can extend the life of your project and provide further bankability to your investment



Wind/Stow Mode

When defined wind speed is triggered, trackers move to stow mode to protect project investment. Once the wind speed has returned to normal operational tolerances, trackers will return to work.

Operational Wind Loads support up to 56mph(25m/s) before Stow mode initiates.



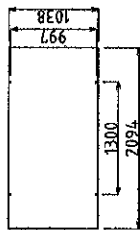
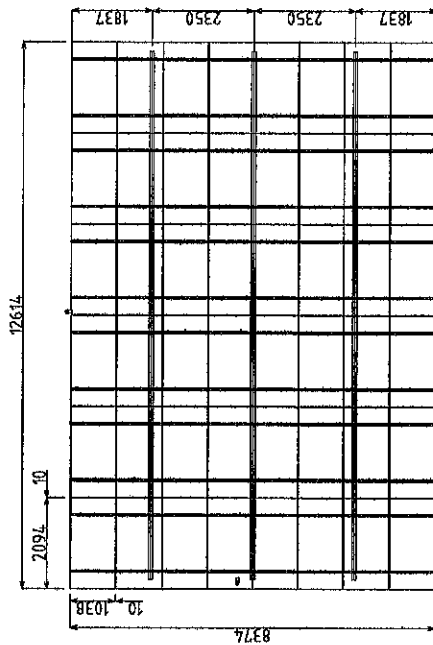
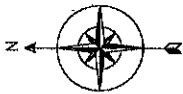
Snow mode

Certain environments require the use of snow shedding and other accommodations to keep trackers working year round.

With the use of Real Time Sensing, Sun Action Trackers can determine snowy and overly cloudy conditions and move to snow mode,

Snow Mode sends the tracker into a 60 degree tilt to easily shed snow from the solar panels and keep snow from accumulating

Tracking Type	Dual Axis	Dual Axis	Dual Axis
Model	DualTrack 24	DualTrack 42	DualTrack 48
Module Area (Max)	53m ² (24 Modules for 72-Cell)	85m ² (42 Modules for 72-Cell or 49 Modules for 60-Cell)	100.6m ² (48 Modules for 72-Cell)
Weight	~1420 kg (3130 lb) Without Modules	~1970 kg (4343 lb) Without Modules	~2140 kg (4717 lb) Without Modules
Tracking Range of Motion	Azimuth: -135° to 135° Vertical: 0° to 60°	Azimuth: -135° to 135° Vertical: 0° to 60°	Azimuth: -135° to 135° Vertical: 7.4° to 56°
Azimuth Rotation	Slew Drive	Slew Drive	Slew Drive
Vertical Rotation	Linear Actuator	Linear Actuator	Linear Actuator
Control Box Power Supply	100–240V _{AC} , 50/60Hz (1 Phase)	100–240V _{AC} , 50/60Hz (1 Phase)	100–240V _{AC} , 50/60Hz (1 Phase)
Materials	Hot Dip Galvanized Steel / MAC Steel	Hot Dip Galvanized Steel / MAC Steel	Hot Dip Galvanized Steel / MAC Steel
Solar Tracking Method	Real-Time Sensor	Real-Time Sensor	Real-Time Sensor
Maximum Wind Speed (0° Tilt Only)	47 m/s (105 mph)	47 m/s (105 mph)	47 m/s (105 mph)
Maximum Operational Wind Speed	18 m/s (40 mph)	18 m/s (40 mph)	18 m/s (40 mph)
Stow Mode (Automatic Horizontal Positioning)	Wind mode, Cloudy Day or Sunset(Less than 3,000 Lux)	Wind mode, Cloudy Day or Sunset(Less than 3,000 Lux)	Wind mode, Cloudy Day or Sunset(Less than 3,000 Lux)
Operating Temperature Range	-40°C (-40°F) to 55°C (131°F)	-40°C (-40°F) to 55°C (131°F)	-40°C (-40°F) to 55°C (131°F)

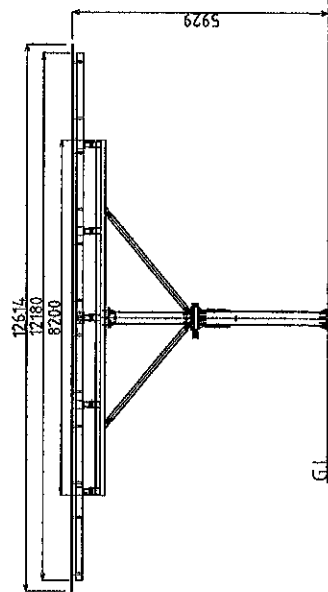


Module Layout

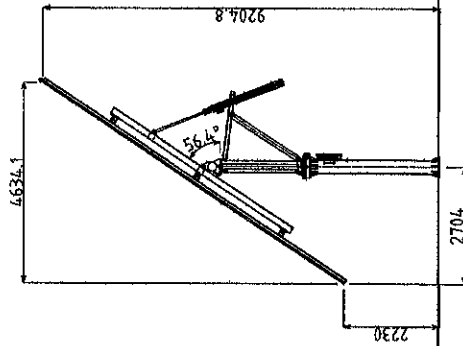
MEMBERS LIST

No	PART NAME	QTY	MATERIAL	STANDARD	REMARK
1	Purlin	12	Posmac-440	C 75x45x15x2T	
2	Main Girder	3	Posmac-440	□ 750x100x3.2T	Not for calculation
3	Stringer-C	1	SS400	□ 150x100x4.5T	Not for calculation
4	Stringer-S1	2	SS400	□ 150x100x4.5T	Not for calculation
5	Stringer-S2	2	SS400	□ 150x100x5.7T	Not for calculation
6	Torque Tube	1	SS400	φ 216x6T	Not for calculation
7	Torque Brace	2	SS400	φ 114.3x3.2T	Not for calculation
8	Down Post Assy	1	SS400	φ 318.5x9T	Not for calculation
9	Upper Post Assy	1	SS400	φ 267.6x7T	Not for calculation
10	ACT Supporting Angle	2	SS400	E 100x50x5T x 7.5T	Not for calculation
11	ACT Supporting Brace	1	SS400	φ 114.3x3.2T	Not for calculation
12	ACT Supporting Angle Bracket	1	SS400	PL 312x90x10T	Not for calculation

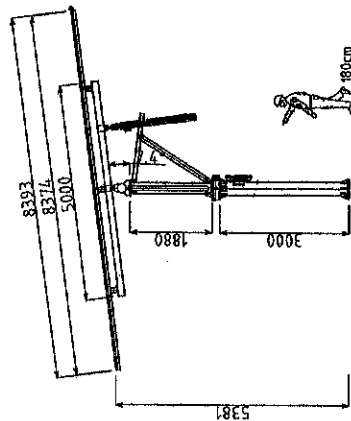
Module Layout



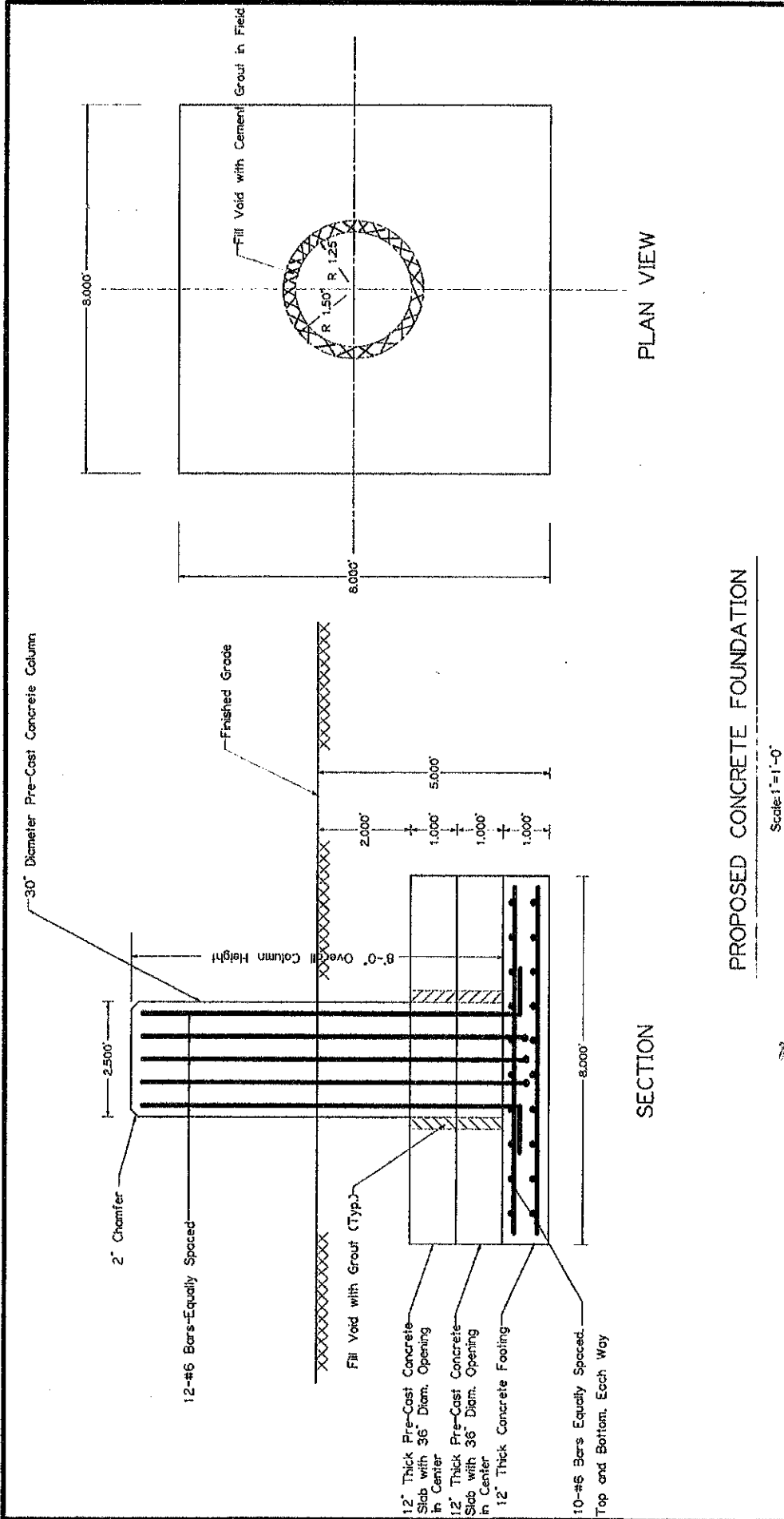
Front View



Side View (56.4°)



Side View (7.4°)



PLAN VIEW

SECTION

PROPOSED CONCRETE FOUNDATION

Scale: 1"=1'-0"

GENERAL CONSTRUCTION NOTES

1. Concrete shall be 5000 PSI (Min.) 28 Day Compressive Strength.
2. Reinforcing Steel shall be Grade 60.
3. Bottom of Footing shall be undisturbed native granular soil.
4. Backfill shall consist of clean sand & gravel and will be compacted to 95% Std. Proctor.



Bright Spot Solar LLC
 P.O. Box 77
 Farmington N.H. 03835
 PreCast Concrete Foundation
 For
 48 Panel SunAction Solar Trackers

Laurie Carrera, LICSW

606 FPH LLC

Barrington

Community



Search for owner, address, or parcel

Back

Owner

606 FPH LLC

Address

606 FRANKLIN PIERCE Hwy

Parcel ID

09014-238-050-000

County

Strafford, NH

Municipality

Barrington

Sale Price

900000.00

Acreage

3.01 (calculated)

Land Use Class

Residential

Land Use Code

0

Land Cover

Developed Low Intensity: 1.38ac (45.7%), Developed Medium Intensity: 0.84ac (27.9%), Developed Open Space: 0.62ac (20.7%), Developed High Intensity: 0.12ac (4.0%), Grassland/Herbaceous: 0.05ac (1.8%)

Elevation (Ft)

206

Mailing Address 1

PO BOX 57

Mailing Address 2

NULL

Mailing Address 3

BARRINGTON NH 03825-

Owner Occupied

No

USPS Residential

Residential

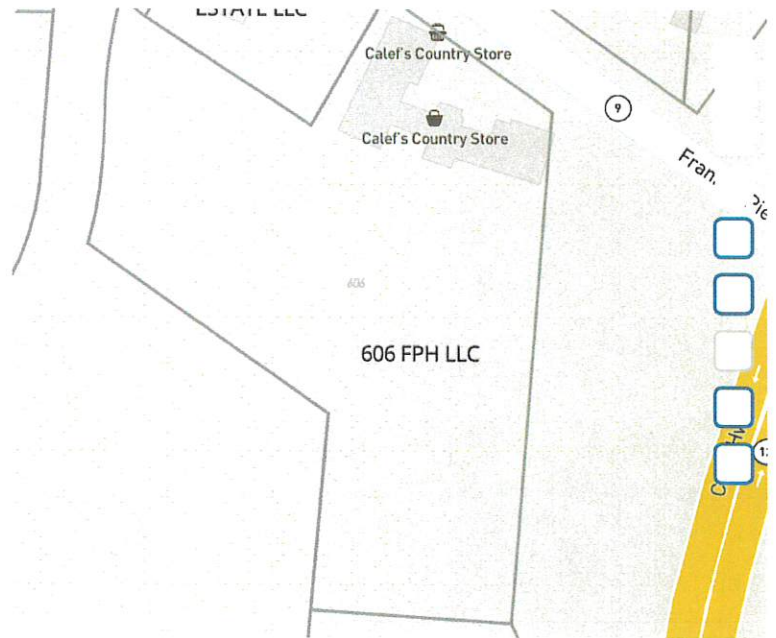
Year Built

1800

School District

Oyster River Cooperative School District

County Link



Search for owner, address, or parcel

Back

Owner

606 FPH LLC

Address

606 FRANKLIN PIERCE Hwy

Parcel ID

09014-238-050-000

County

Strafford, NH

Municipality

Barrington

Sale Price

900000.00

Acreage

3.01 (calculated)

Land Use Class

Residential

Land Use Code

0

Land Cover

Developed Low Intensity: 1.38ac (45.7%), Developed Medium Intensity: 0.84ac (27.9%), Developed Open Space: 0.62ac (20.7%), Developed High Intensity: 0.12ac (4.0%), Grassland/Herbaceous: 0.05ac (1.8%)

Elevation (Ft)

206

Mailing Address 1

PO BOX 57

Mailing Address 2

NULL

Mailing Address 3

BARRINGTON NH 03825-

Owner Occupied

No

USPS Residential

Residential

Year Built

1800

School District

Oyster River Cooperative School District

County Link

