



Landmarks Certificate of Appropriateness & Overlay District Permit

Louisville Metro Planning & Design Services

Case No.: FOCAL1179

Intake Staff: NA

Date: 7/28/17

Fee: /

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Instructions:

For detailed definitions of *Certificate of Appropriateness* and *Overlay District Permit*, please see page 4 of this application. Applications for *Signage* are no longer submitted to Planning & Design Services. Applications for Signage are to be made directly to the Construction Review Division.

Project Information:

Certificate of Appropriateness: ☐ Butchertown ☒ Clifton ☐ Cherokee Triangle ☐ Individual Landmark
☐ Limerick ☐ Old Louisville ☐ Parkland Business ☐ West Main Street

Overlay Permit: ☐ Bardstown/Baxter Ave Overlay (BRO) ☐ Downtown Development Review Overlay (DDRO)
☐ Nulu Review Overlay District (NROD)

Project Name: Solar Installation

Project Address / Parcel ID: 126 N Jane St. / 069G00710000

Deed Book(s) / Page Numbers²: _____

Total Acres: 0.24570

Project Cost: \$11,900

PVA Assessed Value: \$170,000

Existing Square Feet: _____ New Construction Square Feet: _____ Height (ft.): _____ Stories: _____

Project Description (use additional sheets if needed):

Solar panels will be installed on the south-facing side roof. The installation will be comprised of 14 280-watt panels installed in two 7-panel strings, arranged symmetrically. The attached diagram shows the proposed layout of the panels and the underlying supporting structure. Building and electrical permits are being obtained. There will be no alterations to the existing structure and there is little visibility from the street view.

Axitec panels, made in Germany
SMA Inverter, made in Germany

Contact Information:

Owner: ☐ Check if primary contact

Applicant: ☒ Check if primary contact

Name: Jan Weber

Name: Nancy Givens

Company: _____

Company: Avery and Sun Solar

Address: 126 N Jane St

Address: 3015 Brownsboro Rd, #11

City: Louisville State: KY Zip: 4020

City: Louisville State: KY Zip: 40206

Primary Phone: 502 721 9713

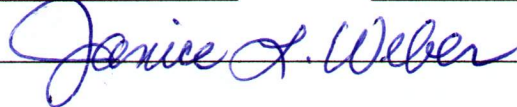
Primary Phone: 270-792-0727

Alternate Phone: _____

Alternate Phone: _____

Email: kyjweber@gmail.com

Email: nlgbg15@outlook.com

Owner Signature (required): 

Attorney: ☐ Check if primary contact

Plan prepared by: ☐ Check if primary contact

Name: N/A

Name: Samuel Avery

Company: _____

Company: Avery and Sun Solar

Address: _____

Address: 795 Port Wooden Rd

City: _____ State: _____ Zip: _____

City: Upton State: KY Zip: 42784

Primary Phone: _____

Primary Phone: 502 741 6944

Alternate Phone: _____

Alternate Phone: _____

Email: _____

Email: samuelavery@gmail.com

Certification Statement: A certification statement **must be submitted** with any application in which the owner(s) of the subject property is (are) a limited liability company, corporation, partnership, association, trustee, etc., or if someone other than the owner(s) of record sign(s) the application.

I, _____, in my capacity as _____, hereby
representative/authorized agent/other

certify that _____ is (are) the owner(s) of the property which
name of LLC / corporation / partnership / association / etc.

is the subject of this application and that I am authorized to sign this application on behalf of the owner(s).

Signature: _____ Date: _____

I understand that knowingly providing false information on this application may result in any action taken hereon being declared null and void. I further understand that pursuant to KRS 523.010, et seq. knowingly making a material false statement, or otherwise providing false

Please submit the completed application along with the following items:

Project information

- ☐ Land Development Report¹
- ☐ Current photographs showing building front, specific project area, and surrounding buildings
- ☐ Pictures, samples, brochures, or other technical data describing materials, such as windows, doors, roofing, fencing, etc. to be used in the renovation or replacement
- ☒ One map of the project area and surrounding properties (may be obtained from <http://www.lojic.org/> using the LOJIC Online Map)

Site plan (see site plan example on next page)

- ☐ Two sets of site plans drawn to scale with dimensions, as applies to the project, indicating property lines, structures, landscaping, fencing, and parking
- ☐ Two copies of floor plans drawn to scale with dimensions and each room labeled
- ☐ Two copies of elevation drawings (a drawing showing exterior walls) drawn to scale with dimensions. For fencing, only photos/drawings of the proposed fence are required.

Committee Review Only

Committee reviews may be required due to the complexity of the case. The necessity of these items will be determined by staff upon review. Projects requiring committee level review include construction of new buildings, demolition, and projects that vary widely from design guidelines.

- ☐ Two sets of 11"x17" format site plans drawn to scale with dimensions
- ☐ Two sets of 11"x17" elevation drawings to scale with dimensions
- ☐ Two sets of 11"x17" landscaping drawings to scale with dimensions
- ☐ One set of mailing label sheets for: 1st tier Adjoining Property Owners (APOs)³, owners, applicants, contacts, and Case Manager. Applicant is responsible for mailing.
- ☐ One copy of the mailing label sheets

Resources:

1. Detailed instructions to obtain a Land Development Report are available online at: <http://ags2.lojic.org/lojiconline/>
2. Deeds and plats can be found at the Jefferson County Clerk's Office, located at the 2nd floor of Metro Hall (527 West Jefferson Street, telephone: 502-574-6220). Many deeds, plats and other records are available online at: <http://www.landrecords.jcc.ky.gov/records/S0Search.html>
3. Adjoining property ownership information can be found at the Property Valuation Administrator (PVA) office at 531 Court Place, Suite 504 or via their website: <https://jeffersonpva.ky.gov/>
4. View agency comments at: <http://portal.louisvilleky.gov/codesandregs/mainsearch>. Enter your case number in the 'Permit/Case/Docket Number' search bar and then select your case under the 'Application Number' tab.

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Land Development Report

July 28, 2017 3:29 PM

[About](#) [LDC](#)

Location

Parcel ID: 069G00710000
Parcel LRSN: 50889
Address: 126 N JANE ST

Zoning

Zoning: R5
Form District: TRADITIONAL NEIGHBORHOOD
Plan Certain #: NONE
Proposed Subdivision Name: NONE
Proposed Subdivision Docket #: NONE
Current Subdivision Name: NONE
Plat Book - Page: NONE
Related Cases: NONE

Special Review Districts

Overlay District: NO
Historic Preservation District: CLIFTON
National Register District: CLIFTON
Urban Renewal: NO
Enterprise Zone: NO
System Development District: NO
Historic Site: YES

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Environmental Constraints

Flood Prone Area
FEMA Floodplain Review Zone: NO
FEMA Floodway Review Zone: NO
Floodplain Ordinance Review Zone: NO
Conveyance Zone Review Zone: NO
FEMA FIRM Panel: 21111C0027E
Protected Waterways
Potential Wetland (Hydric Soil): NO
Streams (Approximate): NO
Surface Water (Approximate): NO
Slopes & Soils
Potential Steep Slope: NO
Unstable Soil: NO
Geology
Karst Terrain: YES

Sewer & Drainage

MSD Property Service Connection: YES
Sewer Recapture Fee Area: NO
Drainage Credit Program: CSO132 - Project(s) Value between \$.04 - \$1.5

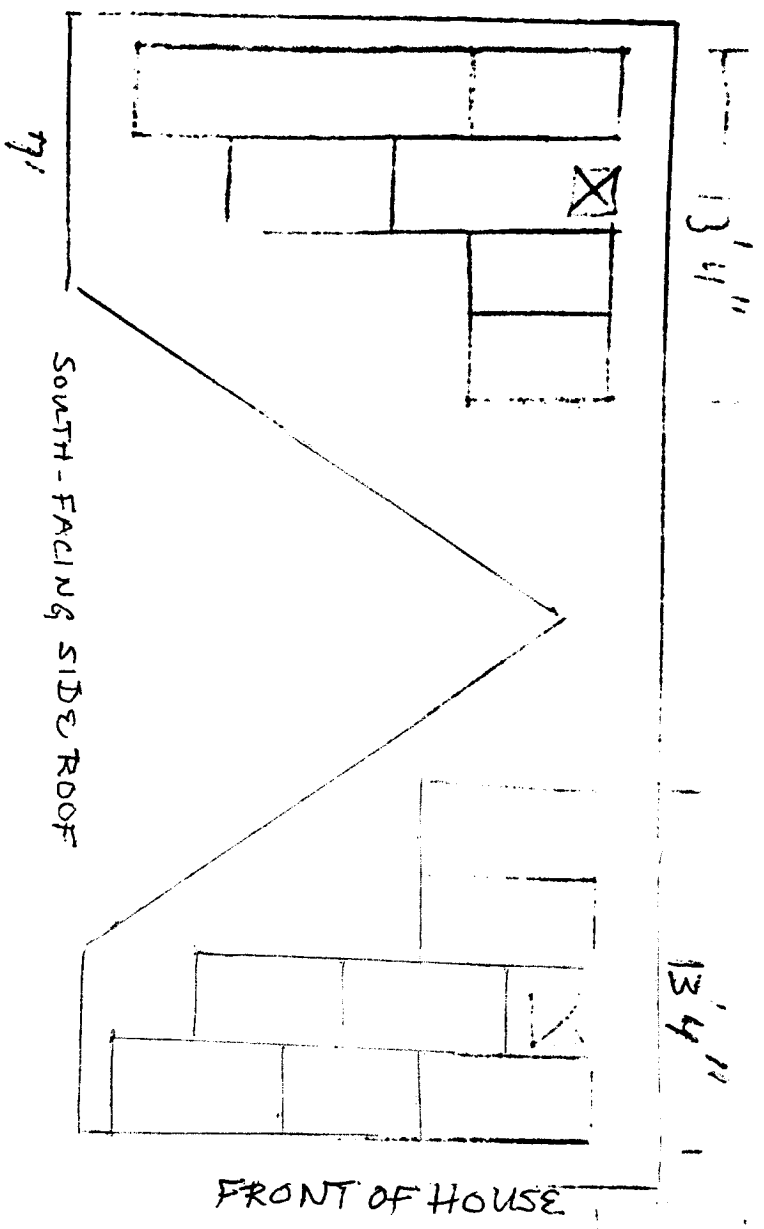
Services

Municipality: LOUISVILLE
Council District: 9
Fire Protection District: LOUISVILLE #2
Urban Service District: YES

17 COA 1179

Owner:
 Jan Weber
 126 N. Jane St
 Louisville KY 40216
 502 721 7711

Proposed Solar Installation
 July 23, 2017
 Installer: Dan Avery
 Avery and Son
 averyandsun@gmail.com
 502 741 6944
 Street

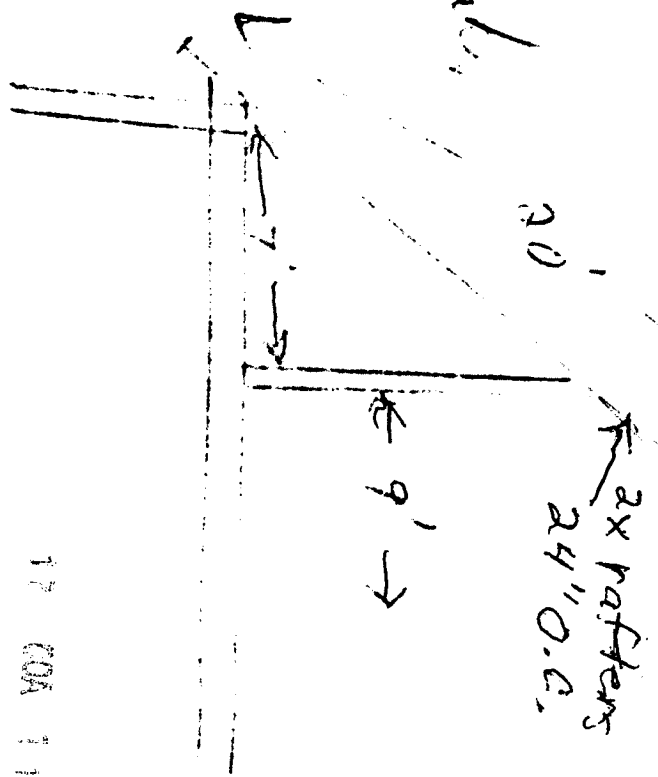


14 x 280w panels = 3920 watt
 SMH 280W → 2 strings of 7 panels
 Panels are 5'1" x 40" //
 100 amp service
 20 amp 240V breaker
 2x rafters
 24" O.C.

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100 amp service
20 amp 240V break

14 x 280W panels = 3920 watt
SMH 3800 → 2 strings of 7 panels
Panels are 5'1" x 4'0"

2x rafters
24" O.C.

SOUTH-FACING SIDE ROOF

FRONT OF HOUSE

13'4"

13'4"

Stitch

502.741.6944

averysun@gmail.com

Avery and Son

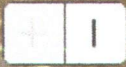
Installer: Dan Avery

July 23, 2017

Proposed Solar Installation

502 721 9913
Louisville KY 40216
126 N. Jane St

Owner: Jan Weber



126 N Jane St



Gray

Basic

Aerial

Base

Layers

1

1:300



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LOJIC

LOJIC © 2017

N JANE ST





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2017
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17 COA 1129

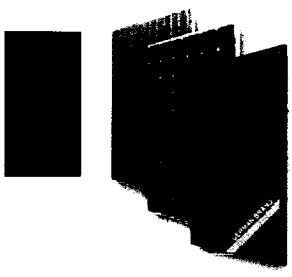
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17 COA 1175



AC-270M/156-60S
AC-275M/156-60S
AC-280M/156-60S
AC-285M/156-60S
AC-290M/156-60S

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-AXITEC®
high quality german solar brand

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AXIpremium

60 cell monocrystalline
High performance photovoltaic module



German engineered – made for America



12 years manufacturer's warranty
Two more years than industry standard



Highest performance due to specifically
selected technologies and materials



Positive power tolerance from 0-5 Wp
Higher guaranteed yield



Snow load of up to 113 psf
Stable module for a long life in extreme conditions



100 % electroluminescence inspection
Micro crack and hotspot free modules



Axitec-Soft-Grip-Seam aluminum frame
Higher stability and easier handling



High quality junction box and connector
system for a longer life time

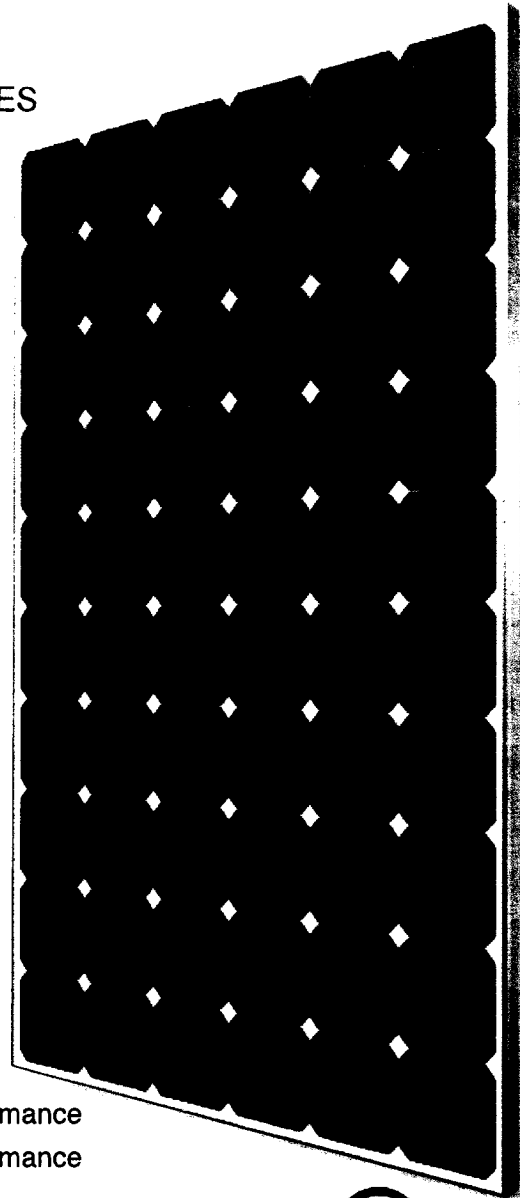
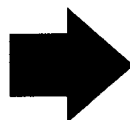
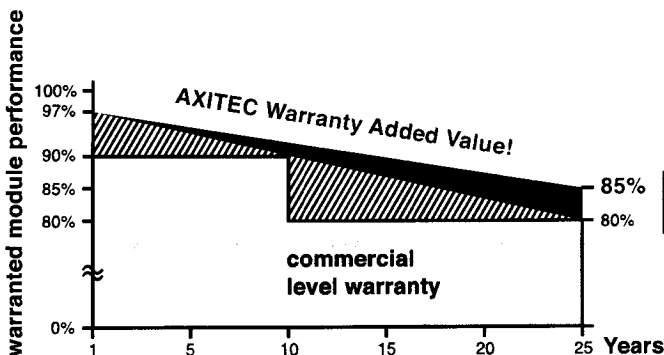


Fig. similar 60M156USA170727A

Exclusive linear AXITEC high performance guarantee!

- 15 years manufacturer's guarantee on 90 % of the nominal performance
- 25 years manufacturer's guarantee on 85 % of the nominal performance



1 - 8 % more power
after 25 years



Module Fire Performance:
TYPE 1 (UL 1703)
CLASS C (IEC61730)

AXIpremium

AC-270M/156-60S
AC-275M/156-60S
AC-280M/156-60S
AC-285M/156-60S
AC-290M/156-60S

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high quality german solar brand

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Electrical data (at standard conditions (STC) irradiance 1000 watt/m², spectrum AM 1.5 at a cell temperature of 25°C)

Type	Nominal output P _{mpp}	Nominal voltage U _{mpp}	Nominal current I _{mpp}	Short circuit current I _{sc}	Open circuit voltage U _{oc}	Module conversion efficiency
AC-270M/156-60S	270 Wp	30.94 V	8.80 A	9.41 A	39.26 V	16.60 %
AC-275M/156-60S	275 Wp	31.20 V	8.86 A	9.50 A	39.32 V	16.90 %
AC-280M/156-60S	280 Wp	31.50 V	8.95 A	9.55 A	39.45 V	17.21 %
AC-285M/156-60S	285 Wp	31.59 V	9.09 A	9.68 A	39.56 V	17.52 %
AC-290M/156-60S	290 Wp	31.71 V	9.16 A	9.70 A	39.70 V	17.83 %

Design

Frontside	0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells	60 monocrystalline high efficiency cells 6 inch (156 x 156 mm)
Backside	Composite film
Frame	1.38 inch (35 mm) silver anodized aluminium frame

Mechanical data

L x W x H	64.57 x 39.06 x 1.38 inch (1640 x 992 x 35 mm)
Weight	39.68 lbs (18.0 kg) with frame

Power connection

Socket	Protection Class IP67 (3 bypass diodes)
Wire	43.3 inch, AWG 11
Plug-in system	Plug/socket IP67

Limit values

System voltage	1000 VDC (UL) 1000 VDC (IEC)
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	113 PSF
Reverse current feed IR	15.0 A
Permissible operating temperature	-40°C to 85°C / -40°F to 185°F

(No external voltages greater than V_o may be applied to the module)

* NOCT, irradiance 800 W/m²; AM 1.5; wind speed 1 m/s; Temperature 20°C

Temperature coefficients

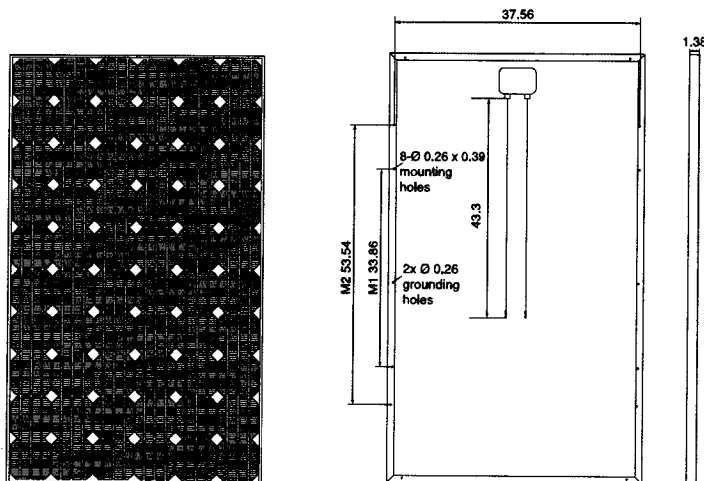
Voltage U _{oc}	-0.30 %/K
Current I _{sc}	0.04 %/K
Output P _{mpp}	-0.40 %/K

Low-light performance (Example for AC-280M/156-60S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2.06 A	29.55 V
400 W/m ²	3.55 A	30.56 V
600 W/m ²	5.08 A	31.15 V
800 W/m ²	7.25 A	31.44 V
1000 W/m ²	8.95 A	31.50 V

Packaging

Module pieces per pallet	30
Module pieces per HC-container	840



All dimensions in inch

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inter

award

2013

Easy to Use

- Installed like a PV inverter
- All-in-one enclosure
- No battery sizing required

Efficient

- Optimal, effective year-round battery capacity of 2 kWh
- Maximized self-consumption through efficient charge and load management

Safe

- VDE-certified lithium-ion battery and inverter
- Battery partner LG Chem is the global leader

Communicative

- Integrated Webconnect function communicates with Sunny Portal via Ethernet
- Multifunction relay for easy load management
- Easily and flexibly combined with SMA Smart Home components

SUNNY BOY 3600 / 5000 SMART ENERGY

The perfect combination of PV inverter and battery

It comes with everything. The new Sunny Boy Smart Energy the easiest solution for typical residential PV applications. This combination of a modern PV inverter and a battery with an effective capacity of 2 kWh not only optimizes energy consumption but also makes it possible to use home-generated solar energy around the clock. The Sunny Boy Smart Energy is the first wall-mountable, series-produced PV inverter to feature an integrated lithium-ion battery, making it perfect for use in the SMA Smart Home. Additionally, the integrated Webconnect function provides worldwide access to consumption and yield data via Sunny Portal.

