



Solar Site Survey Checklist

5 Apr 2023 / Christiana De Luna

Complete

Score	12 / 12 (100%)	Flagged items	0	Actions	0
Document number	000001				
Name of client/site	ApexSpace Buildings, Inc.				
Conducted on	5 Apr 2023 10:25 PST				
Prepared by	Christiana De Luna				
Location	3100 S Sheridan Blvd F, Denver, CO 80227, USA (39.655971, -105.0484371)				
Personnel	Solar Site Surveyor Team: - Ottavio Doran - Margarita Jacques				

Survey Proper

12 / 12 (100%)

Site Information

Site/building name

Frost Creek Spire Center

Type of site surveyed

Commercial Premises

Used for office and retail spaces

Photo of site surveyed

Photo 1

Name of site agent/manager

Trevor Felipe

Contact information of site agent/manager

trevor.felipe@apexspace.com

Energy Performance Certificate (EPC) rating

B

Number of Meter Point Administration Numbers (MPANs) on site

2

Specify the MPAN number(s) and their location(s).3003756782580 - on site
2745085137483 - retail areas

Roof Information

12 / 12 (100%)

Roof type

Pitched

Roof construction

Membrane

Roof height (specify unit of measurement)

6 meters

Roof length (specify unit of measurement)

30 meters

Roof half-span (specify unit of measurement)

15 meters

Roof slope or pitch (in degrees, approx.)

25

Roof orientation

South

Other roof measurement(s)

Ridge height: 7 meters
Eaves height: 4 meters

Photo(s) of roof to be installed



Photo 2



Photo 3

Internal roof dimensions

Length: 25 meters
Width: 10 meters

Internal roof details

The internal roof includes skylights and ventilation openings.

Photo(s) of internal roof



Photo 4

Level of shading

< 20%

Are there any obvious shading issues?

No

Is there any evidence of asbestos in the roof material?

No

Main AC Connection Point

Phase type

Three Phase

Main AC connection fuse rating (in Amps)

100

Photo(s) of main AC connection point



Photo 5

Inverter Location and Fixing Details

Describe potential inverter locations on the site.

Potential inverter locations on the site include a utility room on the ground floor or a rooftop installation.

Attach photos of these locations.



Photo 6



Photo 7

Remote Monitoring		1 / 1 (100%)
Monitoring network type		Wi-Fi
Type of monitoring system		Cloud-based monitoring platform
Location of monitoring system		Office space
Assessment		9 / 9 (100%)
Is the roof orientation of the site suitable for solar installation?		Yes
The roof orientation is south-facing, which is the most optimal direction for capturing sunlight.		
Is the roof slope or pitch suitable for solar installation?		Yes
It falls within the standard range of 15-40 degrees for roof pitches.		
Is the roof structurally sound, in good condition, and capable of supporting the weight of solar panels?		Yes
Does the site have sufficient roof space for solar panels without any shading obstructions from trees, buildings, or other structures?		Yes
There are no shading obstructions from trees or other buildings that would significantly impact solar energy production.		
Is the site's location conducive to solar energy production, with ample sunlight exposure throughout the year?		Yes
Is the site free from any local zoning or permitting restrictions that may prohibit or limit solar installation?		Yes
Is the site connected to the grid, allowing for net metering or other forms of solar energy export?		Yes
Is the site's electrical system capable of accommodating the additional load from solar panels, including an appropriate main electrical panel and wiring?		Yes
Is the site's electrical consumption pattern suitable for solar installation, with high electricity usage during daylight hours?		Yes
There is high electricity consumption during daylight hours due to the office spaces and retail areas being in operation during the day.		

Management Review and Sign Off

Comments or observations about the site

Overall, the site appears to be a feasible location for solar installation, with favorable roof characteristics, good sunlight exposure, and a conducive electrical system. However, further detailed engineering and design assessments are recommended to ensure the feasibility and optimal performance of the solar energy system on site. Additionally, obtaining necessary permits and approvals from local authorities should be carried out before proceeding with the installation.

Name and signature of surveyor

Christiana De Luna

Christiana De Luna
6 Apr 2023 06:07 PST

Media summary



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6

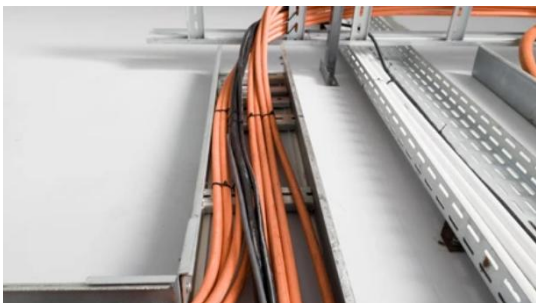


Photo 7