

SITE ASSESSMENT



2/28/2020

Mid-State Technical College
Stevens Point Campus

OVERVIEW

The building site is the central rooftop of a multi-story commercial building located at 1001 Center Point Drive, Stevens Point WI, 5448. The property is within the downtown district. The structure is 21' 6" high from grade to roof plane. The installation location considered is the northwest corner surrounded by a 50" parapet wall on the north and west portions. The typical roof material is fully adhered EPDM membrane over 2 layers of 3" thick rigid insulation. Roof composition is aged approximately 5 years and is in excellent condition. The site contains minimal obstructions and shading considerations (See Below). Access to construction materials is available from multiple points with use of lifting equipment.



Figure 1- Site Aerial Image



Figure 2 - Panoramic View of Roof Plane



Figure 3 - Installation Area (Facing South)



Figure 6 - Gas Piping



Figure 4 - Mini Split/ Vent Obstructions



Figure 5 - Northeast Parapet Wall

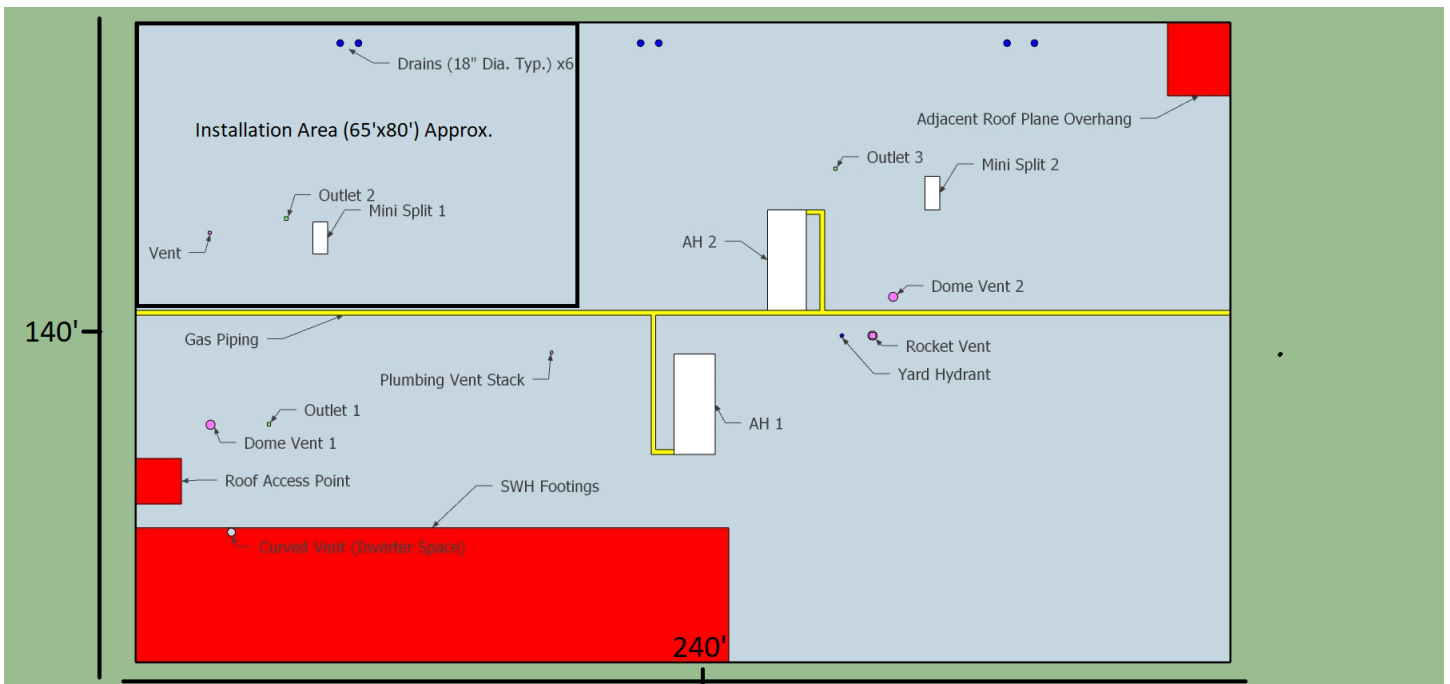


Figure 7 - Obstruction Layout

The screenshot shows the HelioScope software interface. The top navigation bar includes 'Save & Exit' and 'Design Revisions'. The main interface is divided into a left sidebar and a central workspace.

- Left Sidebar:**
 - Design 1 (copy) with 'Showing Array' button.
 - Navigation icons: Mechanical, Keepouts, Electrical, Advanced.
 - Field Segment 1 details:
 - Modules: 136 (50.3kWp) (set max kWp)
 - Area: 5,039.4 ft²
 - Description: Field Segment 1
 - Panel: Philadelphia Solar, PS-M72(BF) 370 (...)
 - Racking: Fixed Tilt Racking
 - Height: 0 ft
 - Azimuth: 180 °
 - Tilt: 10 °
 - Automatic Layout Rules: Frame Size 1 up, 1 wide
- Central Workspace:**
 - Shows a grid of blue solar panels arranged in rows.
 - Dimensions are displayed: 4.0 ft (row spacing), 77.1 ft (total width), and 65.2 ft (total height).
 - An orange rectangular area is highlighted in the center of the panel array.

Figure 8 - Design Sample