**Problem Statement 2: Roofing & Skylights**

??? Possible Points

**Intent:** To understand the importance of heat islands and their effect on the environment.

**Part 1:**

The project is attempting to obtain SS Credit 7.2 Heat Island Effect – Roof.

Using the plans and specifications provided, determine whether or not the specified roof meets the minimum requirements needed to achieve the Credit.

Your company has been tasked with supplying the calculations on this Credit for the LEED application. Show your calculations and values used for partial credit. Due to the curvature of the roofline consider the arc length of the roof when calculating and presenting your solution.

**Part 2: Copper Patina Roof**

The owner has concerns about the Copper Roofing materials Patina over time and its effect on achieving this Credit 7.2, is this concerned justified? Please show your work for partial credit.

**Attachments:**  
Roofing Specifications