

 ENERGY EFFICIENT ROOFING SYSTEMS**GENERAL INFORMATION**

- 1.1 Create energy efficiency roofing systems to meet current best practice for Sustainability Requirements.

DESIGN REQUIREMENTS

- 2.1 Insulation Values

For components included in project scope, design roof insulation and metal building roofing to U-values and R-values with a 5% improvement over local code.

- 2.2 Solar Reflectance

Roof solar reflectance (SR) shall have a minimum initial solar reflectance index of 82 for Low Slope Roofs ($\leq 2:12$) and 39 for Steep Slope Roofs ($>2:12$).

- 2.3 Green Roofs

Perform structural evaluation to determine feasibility of incorporating a Green Roof. Incorporate green roofs and potted vegetation for terraces with low-maintenance native plants to mitigate heat gain and improve stormwater management. CU Exteriors and Historic Preservation team to evaluate opportunities for minimal-weight, low-maintenance green roofs.

Conduct a study to identify if installation and maintenance cost of green roofs can be offset by energy cost and water management savings over time. Where a vegetated roof is not feasible due to structural or other concerns, include specifications for comprehensive roof drainage and storm water harvesting systems

END OF SECTION