M diam	Ft diam	A flatM2	A flatFt2	20% A M2	20% A Ft2	Hstat-1m2	1.48
15	49.2	176.6		35.3		35	
30	98.4	706.5		141.3		141	
50	164	1962.5		392.5		392	
100	328.1	7850		1570		1570	
200	656	31400		6280		6280	









35 heliostats each 1m2 are about 20% of the flat circular roof area 176.6M2 for a 15M/49.2 ft diameter roof.

A heliostat with 16SF/1.48SM has 4 square flat reflector glass mirrors glued to a plastic cellular panel with glued aluminum angle trim.

The substantial and significant CSP research and development and commercialization of concentrating solar collectors and storage systems can be refined and miniaturized for building integration applications.

Small heliostats on long-span hanging roof April 21-2017

Building Integrated Concentrating Solar Power (BI-CSP) research program initiative JH Goodman



The substantial and significant CSP research and development and commercialization of concentrating solar collectors and storage systems are ready to be refined and miniaturized for building integration applications. For example, small heliostats on long-span hanging roofs are solar energy urban design elements for beam regions, suitable for triple effect cooling and other mid-high temperature process heat applications. Rooftop and environs small heliostats-receiver(s) systems R&D includes: on existing rooftops, i.e, Madison Square Garden NYC (404ft/123m diameter); and on new rooftops. A receiver may be on taller adjacent buildings, and shading by adjacent buildings are concerns. July 29, 2017. A building integrated small heliostats-receiver molten salt storage demonstration may be as significant to architecture and urban design in sunny enough regions as the 2008 Andasol plant in southern Spain was to large remote CSP solarstorage plants.

Building Integrated Concentrating Solar Power (BI-CSP) research program initiative Joel H. Goodman