Long-span hanging roof construction with two-way cables ideas-

A more shallow hanging roof dish catenary shape with shorter sag would have less angular differences between flat precast panels forming a near spherical segment roof. And more direct pull closer to the plane of the rim platform donut-shape. This may ease the construction tolerances for the sequence of panel loads to maintain safe eccentric loads on the rim platform.

A study has pipe-sleeves for the cables/rods cast into the rim-platform with adjustability of the cable/rod lengths for positioning to designed drapes.
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A heliostat pole is part of a steel angle weldment T bracket that is 3pt adjustable bolted to the concreted gap at holes used for the gap form boards.

Wires connect the heliostats to a controller. A question is if the wires need to be in conduit on the roof to avoid being damaged by critters.

A control box/room may be at the base of the receiver tower.