

The axonometric projections attempt to describe the layers of construction that the installation involves.

The first stage is essentially a concrete foundation which provides the preliminary support for the structure.

The next stage involves erecting the steel members that will support the elliptical members that generate the form of the installation. The support structure comprises of a series of steel members meet in various locations. This can be achieved with standard hollow structural sections welded to large cast steel joints and specialized intersecting members. The diagonal members achieve a level of stability through cross bracing. This is further reinforced with horizontal members that outline the path of the general form, and act as the spine of the installation. The horizontal bracing also serves the purpose of a channel for electrical equipment to pass through. The horizontal members reach around the entire installation thus allowing each turbine to be connected through the the horizontal members to meet at a central hub which can be accessed easily.

The third stage involves connecting the elliptical steel members to the horizontal supports and the concrete foundation. The members that are connected to the concrete foundation directly are half ellipse shaped members that are connected with anchor bolts. The remaining elliptical members are welded to the horzontal supports. The turbines are welded to the circular members that are inscribed in the elliptical steel members.

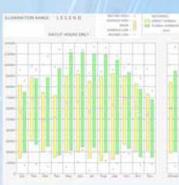
The final stage involves attaching the glass and lens cladding between each elliptical steel member using spider clamps.



The mechanism that Infinity embodies is firstly a system that cannot exist without the presence of light. Fresnel lenses that clad the steel structure at the ground level heat the volume of water that rests there. The heat initially induces a current but escalates

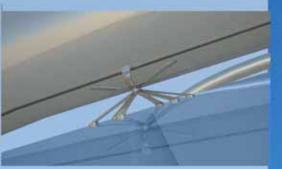
to boil the water. The steam becomes the predominant phase within the system. The steam is forced to rise and travel in a specific direction. Fog catchers act as barriers for steam moving in the opposing direction. The steam travels upwards for the duration of the sunlit hours, condenses at the height of the structure, and travels downards to begin the cycle again. This process can

process can in some conditions. continue after sunlit hours for the concrete at the base of the structure. having absorbed heat throughout the day, can act in some way as a thermal mass and redistrobute heat to the water. A



current is induced and the cycle begins again the next day.

SPIDER CLAMP STEEL MEMBER TO GLASS CONNECTION



TURBINE ROTOR **CONNECTION TO METAL PLATE**







The section attempts to illustrate the primary details that comprise the structure which is a repetition of an elliptical steel member with members inscribed in it. The elliptical steel member and circular member inscribed in it represent on cast steel member. This cast steel member acts as a support for the sectional glass members that are held up by spider clamps that are arrayed around the ellipse at 5 m intervals. In addition, the steel members, being of a highly reflective polish, act as mirror that redirect light that has reflected off the water. The wind turbine is held in place by a metal plate that is welded to the circular steel section inscribed in the elliptical steel section.



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passage of vapour through the chamber occurs several times per day if a barrier is used at the height of installation. A fog catcher serves the purpose of preventing vapour from passing through without condensing first. As the vapour collects and condenses the water moves to the bottom of the structure and the cycle begins again.

