LES ENSEMBLES COMMUNS

DESIGN PRESENTATION BOARD

TECHNICAL ASPECTS

The installation, *Les Ensembles Communs*, will be constructed using 3/16 Corten steel. Each cylinder includes 2 types of masonry. One for the lower support of the structure (10 feet and under) and the other for the top. The bottom, of the walls, is designed to prevent climbing and ensures a high degree of strength and resistance. Every brick is welded to 2 x 10 ft "beams" inside the structure. This "braiding" will result in a herringbone pattern. The top part of the structure is designed so the transparency light and shadows created with the design of the structure accentuates its overall shape and highlights it's form. For the pattern at the rafters, each brick is stacked and welded together. In the case of the largest cylinder, the pattern is obtained by piled up "flats" that will reproduce the pattern of the bricks on the walls.

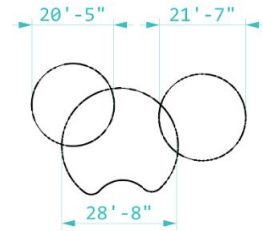
Maintenance :
No special maintenance is required other than an annual cleaning with a soapy water jet as one would do for the glass of a building. However, this is optional.

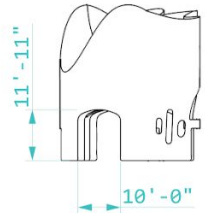
Lighting :
Two possibilities:

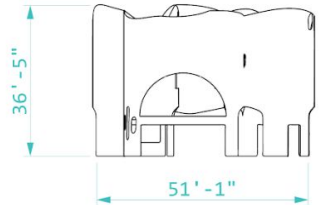
Install one or two types of 3 light columns in the center of the larger circle.

Attach a series of tube light fixtures at the top of the solid walls and inside, which will illuminate the top and bottom of the walls. The electrical wiring will be imperceptible since it will be hidden behind the bricks.

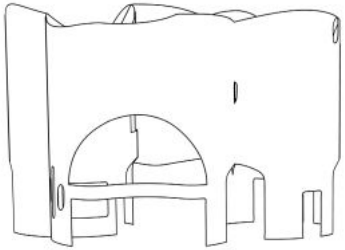
In order to obtain renewable energy and to have a Net-zero strategy, light will be produced thanks to solar panels discreetly installed on the installation.

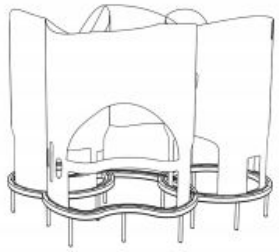




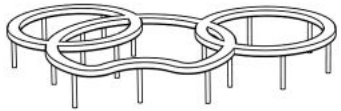


FONDATION AND WHEELS

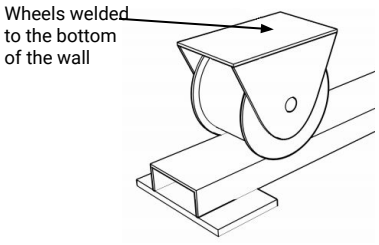


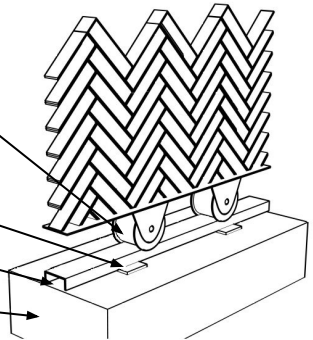


Bolted steel rails

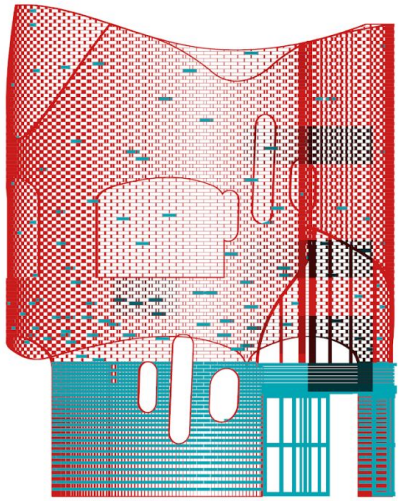


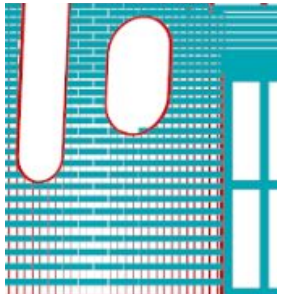
16 screw piles of 6.5" diameter
Reinforced concrete





WALL ASSEMBLY





The first step is to sandblast the large Corten steel plates.

The walls will be constructed using templates that are based on the diameter of each cylinder.

The arches are designed with curves.
The entire circumference will be divided into various walls of 9'8" in length and 9'8" high.

Another element that seduced us: integration of rails in the pavement to collect water from the rain. The water collected could be used for the adjacent green spaces.

THE LOWER WALLS

The bottom bricks: Folding of a piece 3" x 11" x 3" which will be welded to a plate of 12 inches.
Bottom beams: Folding of a piece 3" x 11" x 3" which will be welded to a "ruler of 9'8" which is reinforced with 3" x 3" plates.
Braiding: Bricks and beams are welded according to the desired patterns.