

# CAD Report

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Subject: Architectural Design I/ CAD I

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## Introduction

Based on the Denari Project, which is a wall that could not only divide a space but also is a office furniture, this project is aim to create an interesting wall as Denari Project. This “wall” is also made for dividing a indoor space into 2 separated areas, one is clerical and other is a design studio. The function of the wall itself is the storage for books for staff in the studio and products of the studio for their customers.

## Methodology

Sectionally, the wall’s molded surface run around parts of 2 spheres which in different rotation directions in order to generate a smooth, flexible for easing attribute. To give interest in the view, two spheres of different radius sizes were placed close and cut to suit the function of forming a shape quite similar to the petal. Plastic is used to molded the wall for the lightweight and easy-to-construct criteria. Concerning with eco-friendly property of plastic, the recycling plastic is recommended with its semi-transparent and opaque appearance. The cuts of the plastic molded skin form the entrance and pathways. The bookshelves are also made with same material as the wall for homogeneous outlook. With its storage function, the shelves of the wall were measured to fit the view of the customer and the staff of the studio.

Structurally, the molded surface support itself. For the top to places on, the firm steel is used for basement and column with its formation and stable. Moreover, the steel column will stiffen the plastic curved skin. The floor placed on the basement has the height of a step so it play the function as seating for reading books.

## Findings

Looking for a modern and minimal appearance, the basement of seating area in the Learning and Teaching building of Monash University (designed by John Wardle Architects) influences this project. The seating area is the 2 paths of 2 circles facing each other. However, in order to create a more private separated space, 2 circles of the wall’s basement are opposing. The wall skin and the wall basement are made from different materials for the contrast and specify. For example, the Contree Experience Room (designed by Ingeniería y Diseño Digital - IDD Concreto) in Colombia used steel, wood and glass, or the 093 Building (designed by elii) in Spain use timber and plastic panels for the interior wall to separate the offices. Both the constructions give the references for the outlook idea but also the construction way.

## References

*Denari Project/ Details Design Studio*, URL: [1\\_Denari\\_Project.pdf \(roboticbuilding.eu\)](#)

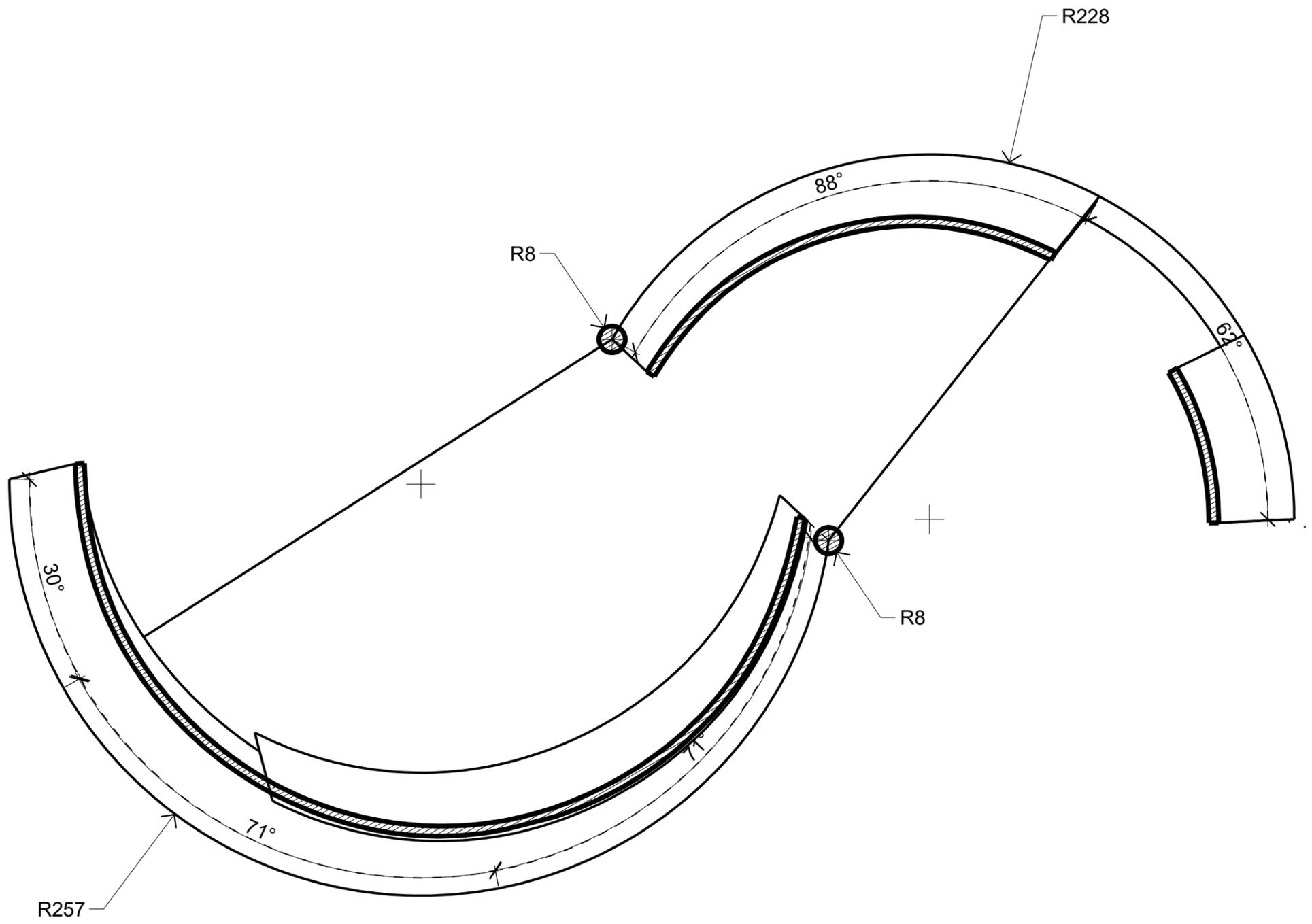
*“A Vase May Give a Shape to a Room”*: in conversation with John Wardle, Vladimir Belogovsky, 2020, URL: [“A Vase May Give a Shape to a Room”](#): In conversation with John Wardle | ArchDaily

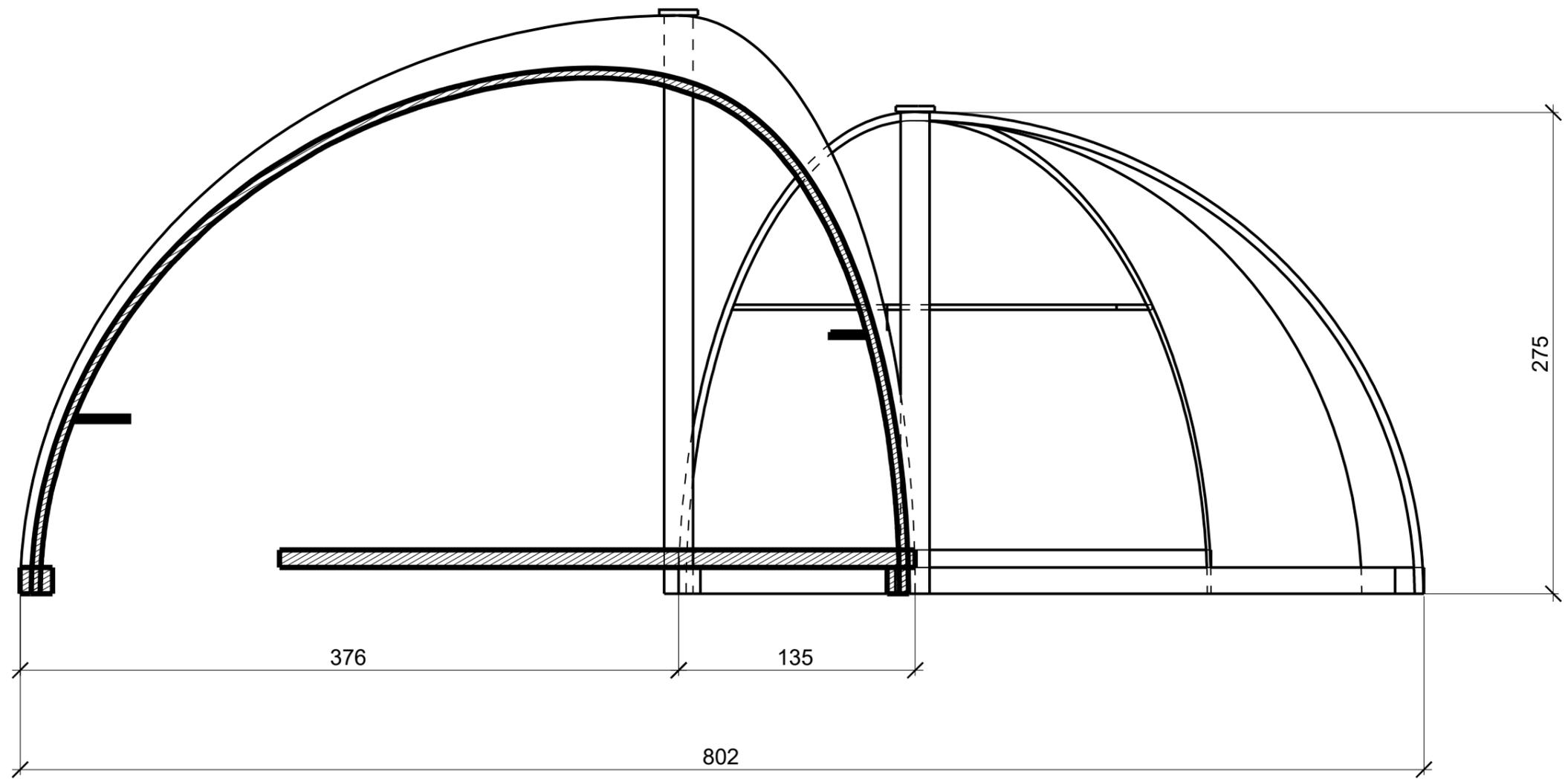
*Contree Experience Room / Ingeniería y Diseño Digital - IDD Concreto*, 2020, URL: [Contree Experience Room / Ingeniería y Diseño Digital - IDD Concreto | ArchDaily](#)

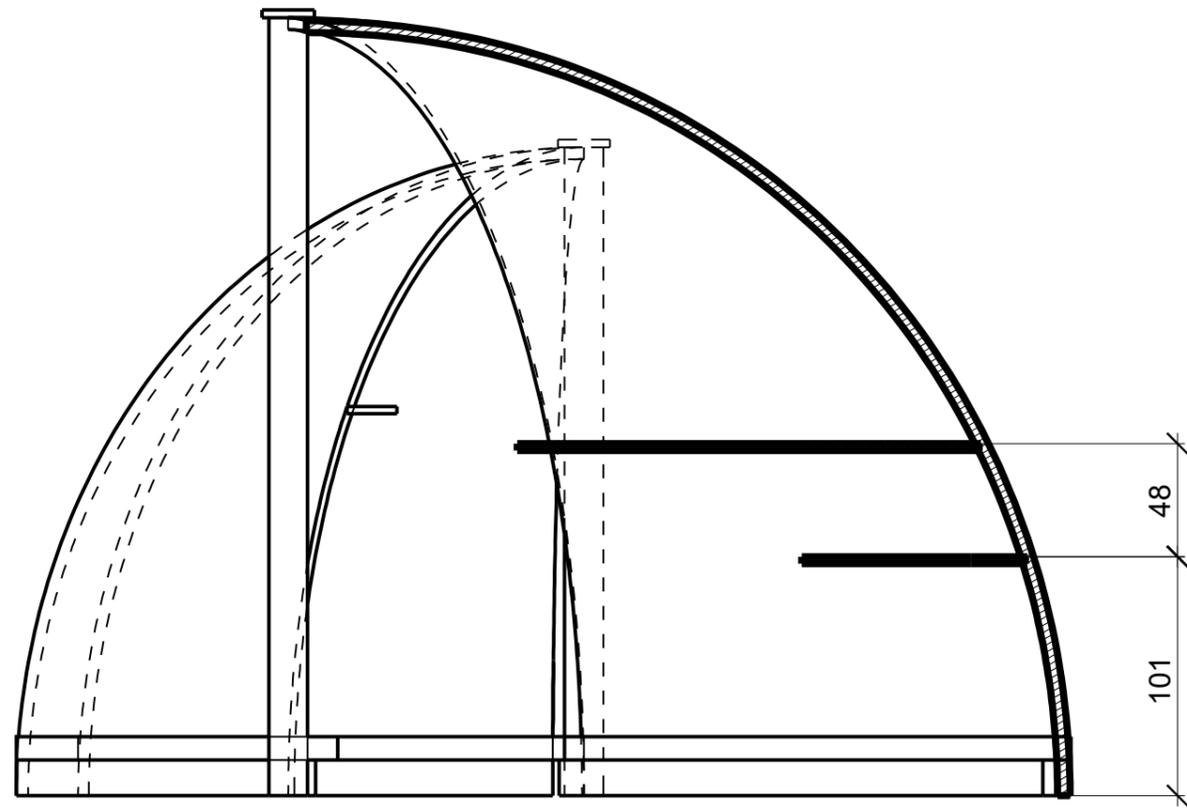
*093 · Save The Children / elii*, URL: [093 · Save The Children / elii | ArchDaily](#)

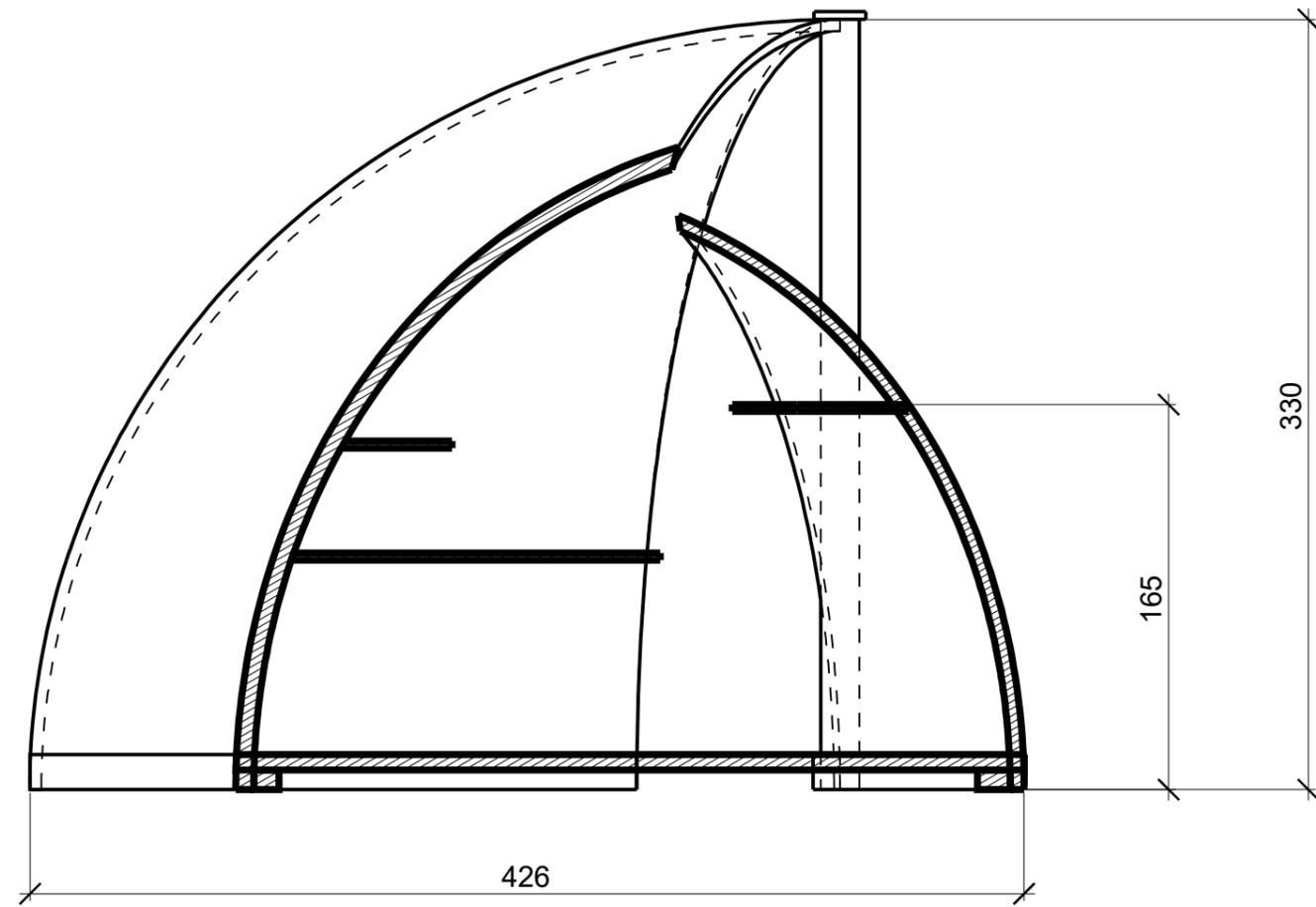
Appendices

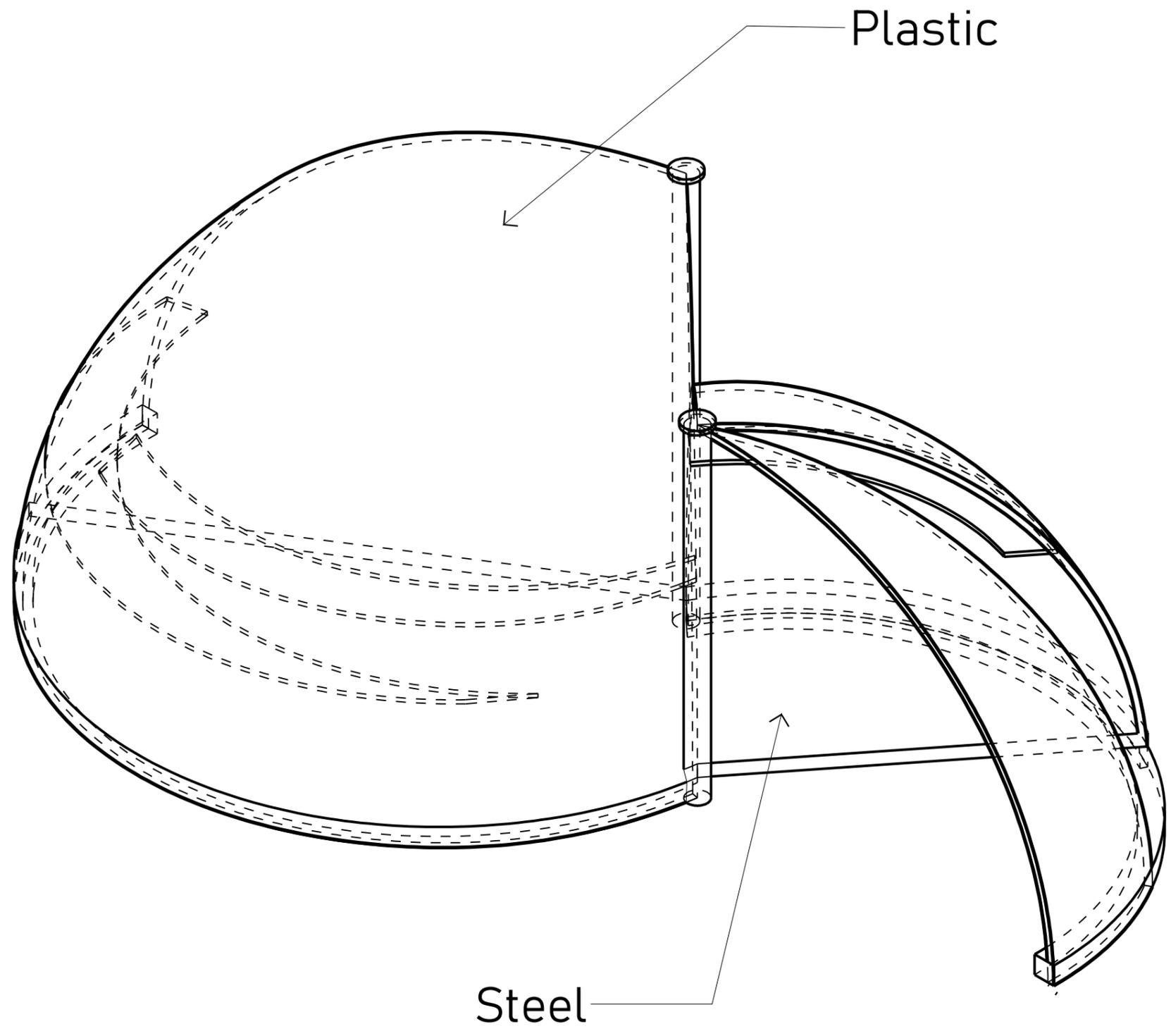












Plastic

Steel