

Operaciones microurbanas

Micro Urban Operations

/ A stage in Panquehue

Claudio Torres

Panquehue, Chile, 2015



The project explores the potential of temporary use through a demountable structure, making visible the abandonment of a public space by constructing a temporary platform for cultural acts which functioned for five weeks, and was capable of triggering a process of urban renewal at Villa Lo Campo, Panquehue, V Region.

A structural framework similar to a weave, consisting of 26 columns give shape to a cylinder of a diameter of 9 meters and 7 meters high based on the principle of tensegrity. The 'x' components have 4 variations in the development of the column; the *colihue* canes support discontinuous compression loads, and the continuous tensors are made of braided nylon. The resulting base ring is composed out of 24 pieces of eucalyptus logs of 60 mm, and the transition between columns was solved by the repetition of a complimentary module of 85 x 70 cm. The study of this structural pattern was done through scale prototypes which allowed the verification of deformations, elasticity, and possible dimensions. Using this method, it was confirmed that the pieces would work collaboratively, achieving a light and complex structure through standard components.

This derived in a traditional and handcrafted process of construction. The place was an open workshop in the public space. Eleven weavers, with their hands and intelligence as main tools, assembled the structure. The weaving required skill to regulate tension and experimentation to discover the material's possibilities.

The decontextualization and renovation of the craft of weaving –culturally associated with women and developed in interior spaces– was transformed into the method of construction, connecting a local tradition with a new element of the ordinary landscape. The process of construction was made visible and the event of weaving in public caused great interest and identification of the community with the object. **ARQ**



Arquitecto / Architect

Claudio Torres

Colaboradora / Contributor

Clarita Reutter

Equipo de construcción / Construction team

Alonso Pizarro, María Jesús Valenzuela, Matías Ernstorfer,
José Tomás Pérez Valle, Guilhem De Bouard, Carolina Schwartzman,
Maximilian Reutter, Alberto Contreras, Andres Michell,
Clarita Reutter, Claudio Torres

Ubicación / Location

Villa Lo Campo, Panquehue, Región de Valparaíso, Chile

Encargo / Commission

Proyecto de Título / Degree Project. Escuela de Arquitectura,
Pontificia Universidad Católica de Chile

Profesores guía / Tutors

Paula Velasco, Alberto Moletto

Fecha proyecto / Date of project

2014

Fecha construcción / Date of construction

Enero / January 2015

Financiamiento / Funding

Viña Errázuriz S.A., ENERCOM S.A.

Consultor / Consultant

Fundación Semilla

Materiales / Materials

Estructura de barras comprimidas de colihue 90 a 120 cm –espesor variable entre 16 y 20 mm– y troncos de eucalipto 290 cm; cuerdas traccionadas de nylon trenzado de 4 mm; anillo de compresión Ø 8.9 m en perfil tubular 1 3/4" en acero de e= 2mm; terminaciones en malla raschel blanca 65% y ladrillo fiscal / Structure of compressed colihue wood bars of 90-120 cm –thickness varying between 16 and 20 mm– and eucalyptus trunks 290 cm long; ropes twisted nylon drivable 4mm; compression ring Ø 8.9 m in tubular profile 1 3/4" in steel t = 2 mm; finishing in white raschel mesh 65% and rope brick.

Superficie construida / Built area

118 m²

Superficie terreno / Plot area

1.064 m²

Presupuesto / Cost

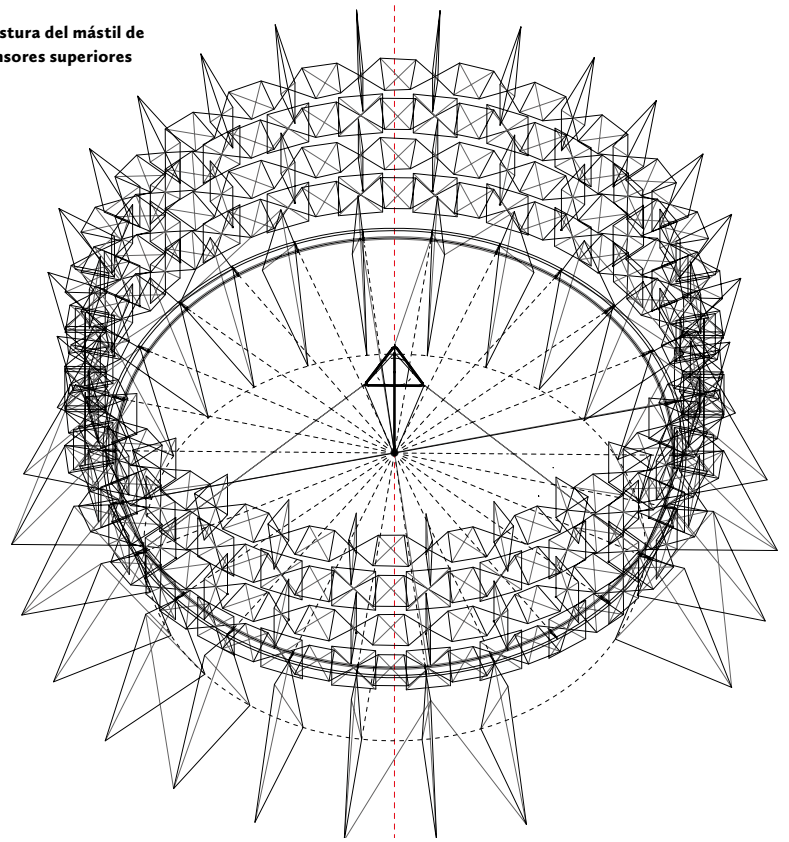
US\$ 10/m²

Maquetas / Models

Guilhem de Bouard, Clarita Reutter, Claudio Torres

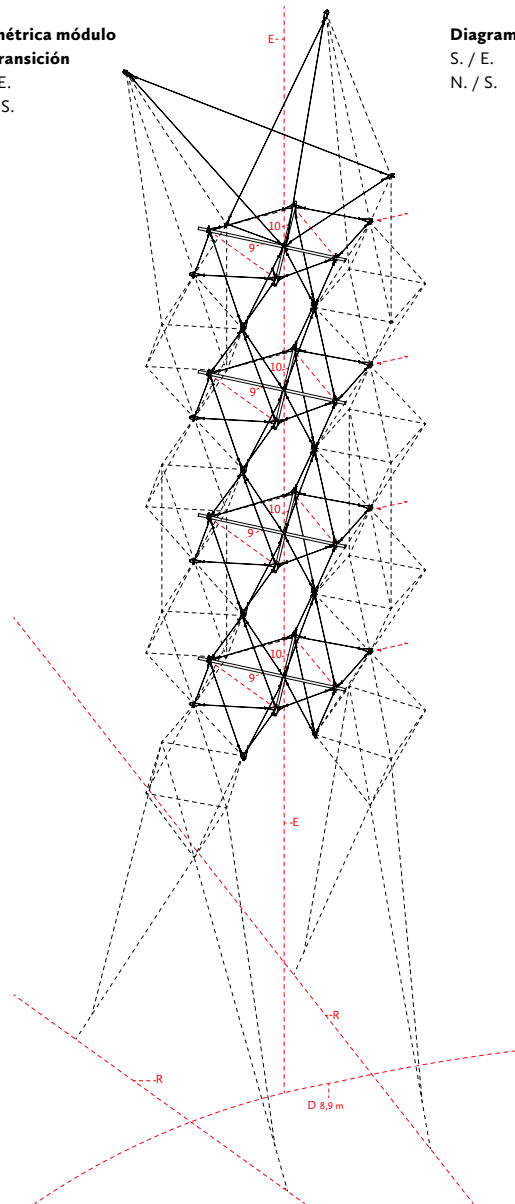
Isométrica postura del mástil de cubierta, 3 tensores superiores

S. / E.
N. / S.



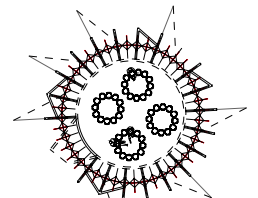
Isométrica módulo de transición

S. / E.
N. / S.

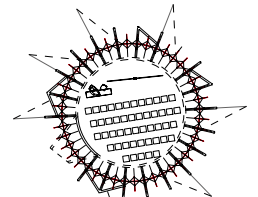


Diagramas de usos

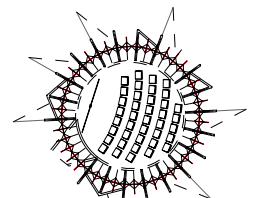
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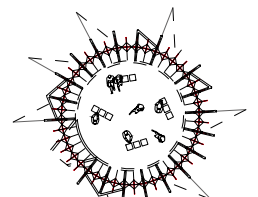
Talleres / Workshop
45 personas / persons



Charla / Talk
50 personas / persons



Cine / Film
40 personas / persons



Exposicion / Exhibition
40 personas / persons

CLAUDIO TORRES

Architect, Pontificia Universidad Católica de Chile, 2015. As a student he won the CAP and ALACERO competition along with the UC team and was selected for the SAP exhibition at the Biennial of Buenos Aires.



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