

AD HOC CONDITIONS

PART

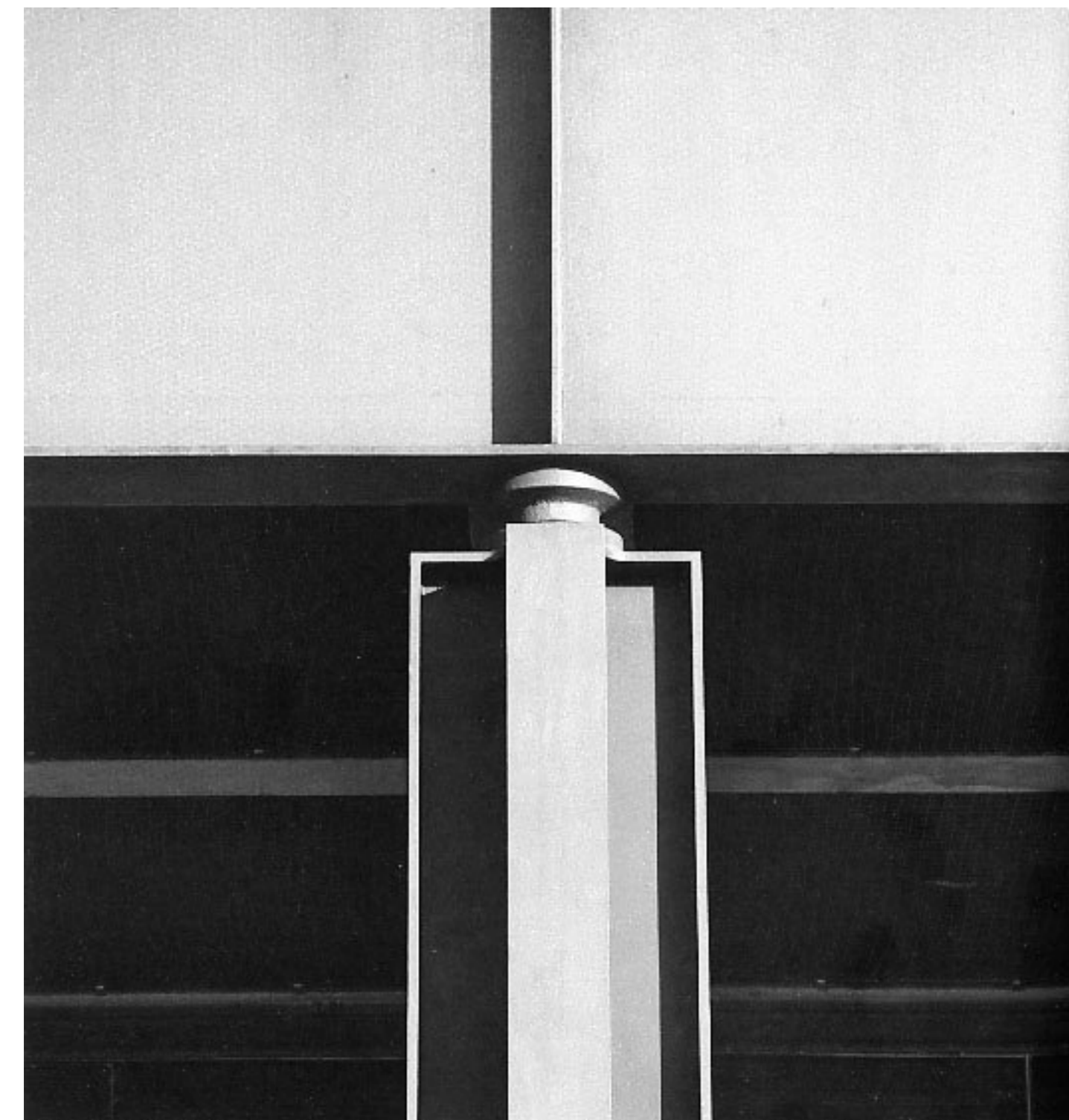
JUNCTION

BY SJIM VAN BEIJSTERVELDT



'Practical adhocism requires paying perhaps undue attention to the parts as parts with consequent joints and connections.'

Charles Jencks & Nathan Silver



### the joint

A joint being: "a space between the adjacent surfaces of two bodies joined and held together".\* Obviously it is an element connecting two parts. But by doing so it always forms an entity in itself, isolating the parts it is connecting, and keeping them at a safe distance from each other. The joint is a heritage from classical architecture, where it always favored beauty above truth and harmony above drama. By doing so it avoids the collision of parts and therefore it denies the very existence of the problem.

\*The online Merriam-Webster dictionary: [www.merriam-webster.com/dictionary/joint](http://www.merriam-webster.com/dictionary/joint) - Accessed 16 December 2015.



### the junction

A junction can be defined as: "an act of joining; the state of being joined".\* This single definition already describes two modes of existence: one of becoming and another of being, one is dynamic the other is static. It implies a field of transition instead of isolation between parts. A junction as a constant act of joining, of colliding. The bringing into juxtaposition of elements can create a tension which could make a junction into a collision of parts opposed to a harmonic separation. A junctions could also be smooth transitions from for example glass to metal to rubber, without any change of plane or articulated brake. However with this smoothness there coexists a tension formed by the ad hoc accumulation of parts. Instead of beauty and harmony ad hoc architecture is much more about that of collision. It doesn't deny the existence of impossible problems to which no perfect answer exists, on the contrary it articulates them. Collision becomes part of the design as it is part of life in general. Instead of trying to deny difficulties, it makes them subject to an architectural expression.

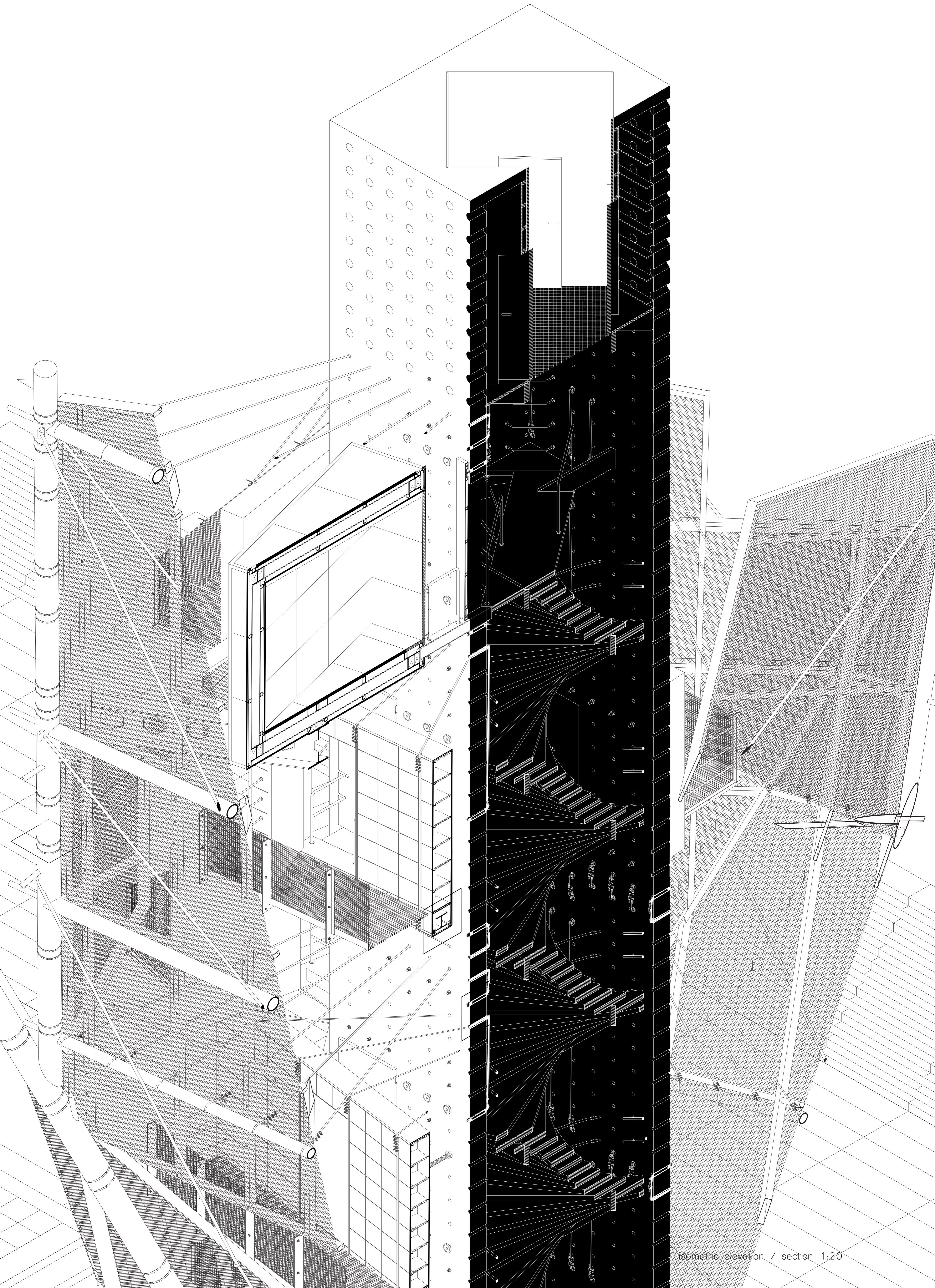
\*The online Merriam-Webster dictionary: [www.merriam-webster.com/dictionary/junction](http://www.merriam-webster.com/dictionary/junction) - Accessed 14 December 2015.

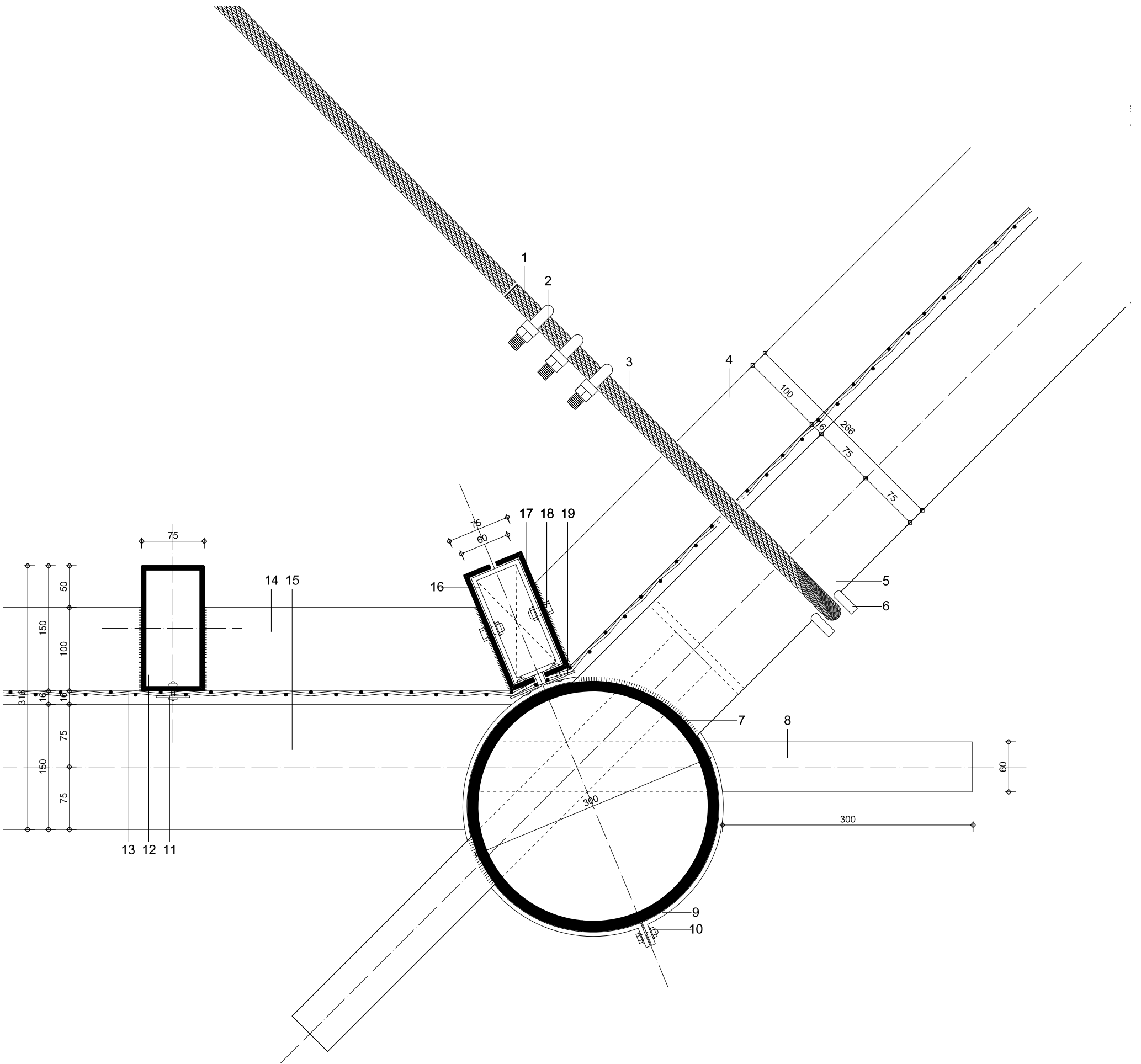
“I put the glass between the structure members and the members which are not of structure because the joint is the beginning of ornament. And that must be distinguished from decoration which is simply applied. Ornament is the adoration of the joint.”

Louis I. Kahn

“his first practical step is retrospective. He has to turn back to an already existent set of made up tools and materials, to consider or reconsider what it contains and finally and above all, to engage in a sort of dialogue with it and, before choosing between them, to index the possible answers which the whole set can offer to this problem. He interrogates all heterogeneous object of which his treasury (of ideas) is composed to discover what each of them could signify and so contribute to the definition of a set which has yet to be materialized but which will ultimately differ from the instrumental set only in the internal disposition of its parts”

Claude Lévi-Strauss on the bricoleur

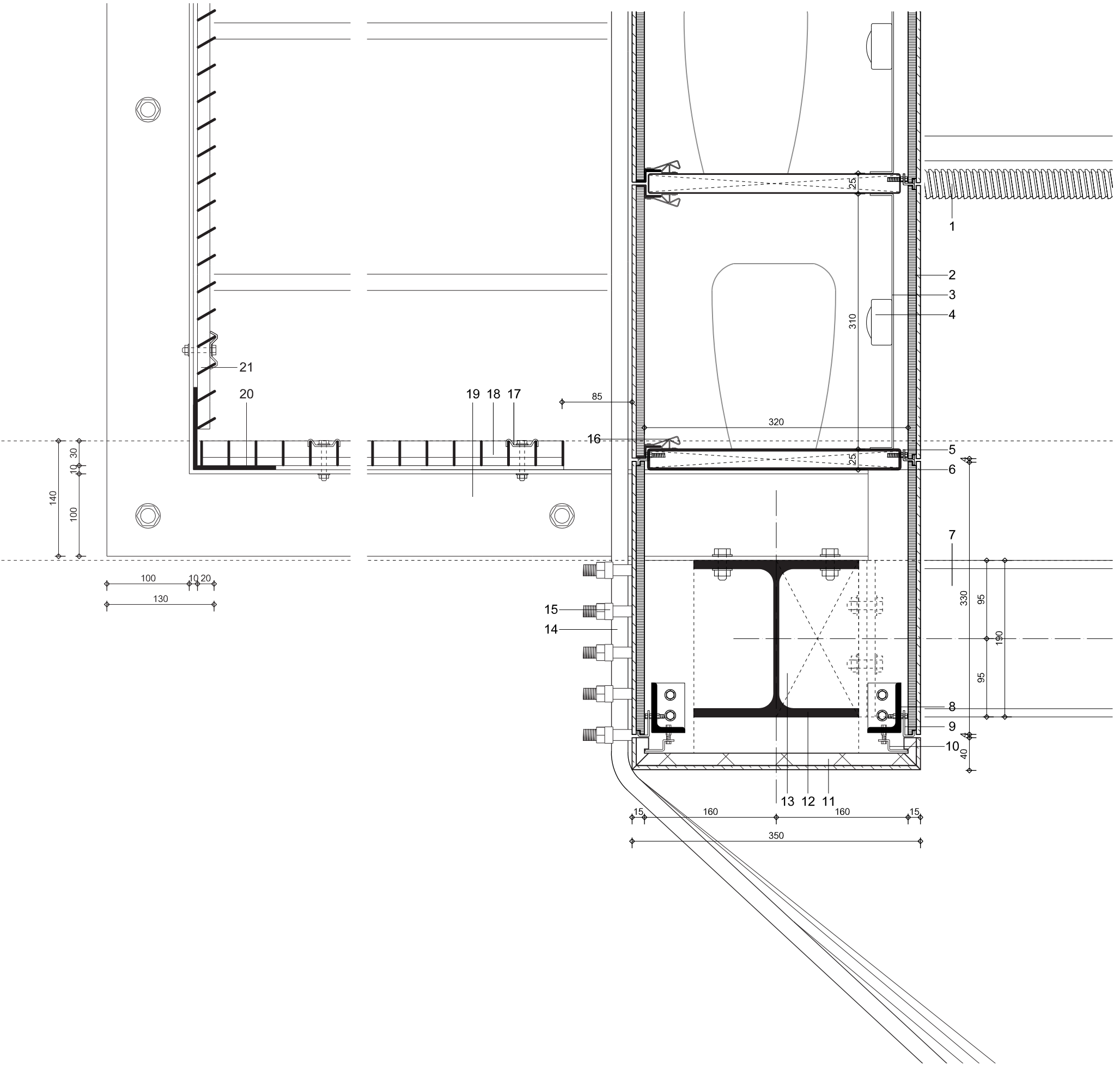






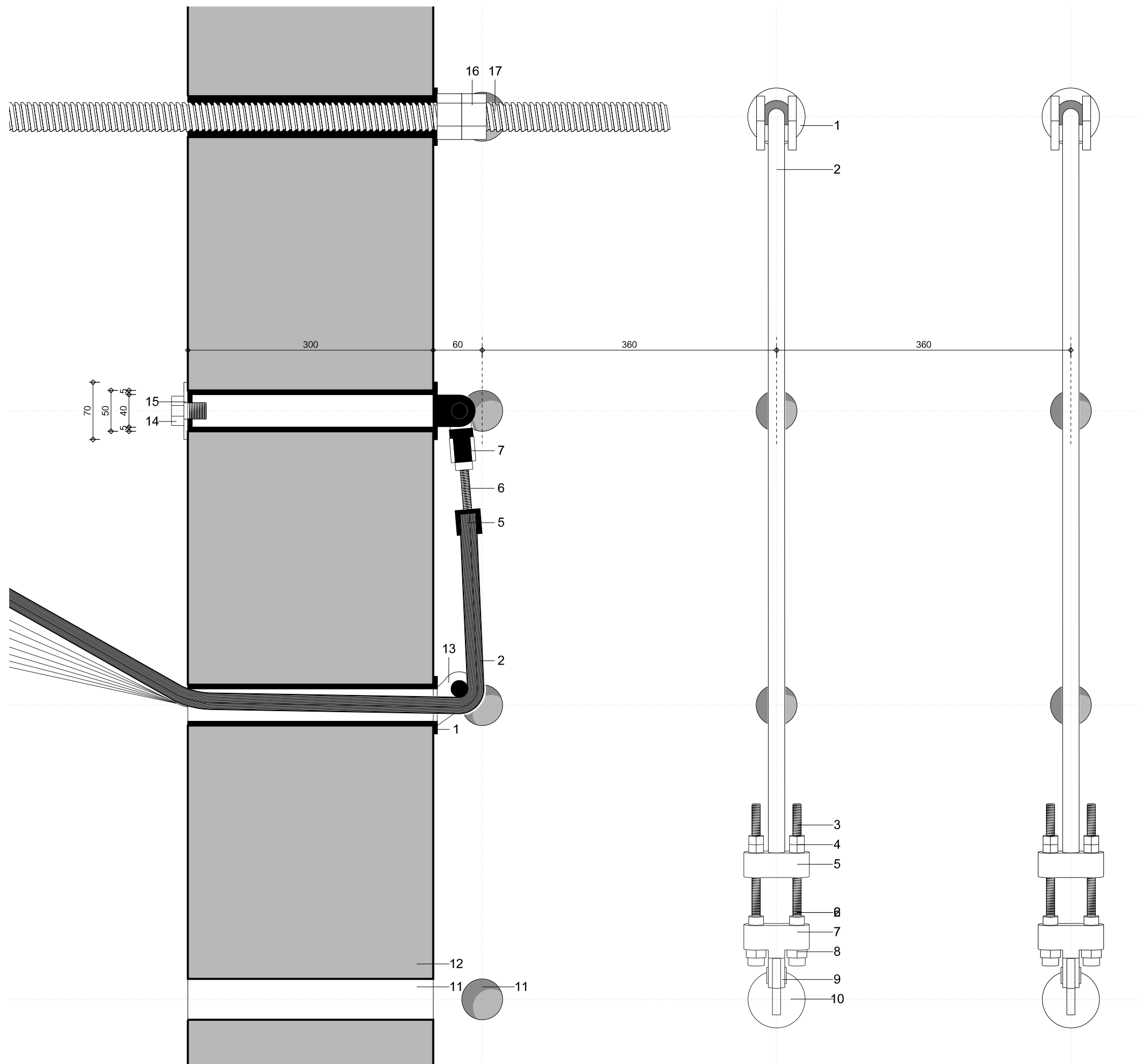
## H1 horizontal detail shell 1:5

- 1 steel cable Ø 20mm
- 2 steel cable clamps
- 3 steel cable loop
- 4 secondary galvanized steel beam prefab shell 100x75mm
- 5 secondary galvanized steel beam construction Ø 150mm
- 6 cable conductors
- 7 primary steel column construction Ø 300mm
- 8 steel assembling element
- 9 clamping ring
- 10 clamping ring fixture
- 11 rivet for fixture mesh
- 12 primary steel beam construction 150x75mm
- 13 braided steel mesh 30x30x2mm
- 14 secondary galvanized steel beam prefab shell 100x75mm
- 15 secondary galvanized steel beam construction Ø 150mm
- 16 fixture clamping ring-prefab shell
- 17 steel UNP 150x30x4mm
- 18 fixture prefab shell-clamping ring
- 19 rivet



## V1 vertical detail core 1:5

- 1 steel cable conductor  $\varnothing$  50x5mm
- 2 steel cable  $\varnothing$ 20mm
- 3 threaded end  $\varnothing$ 10mm
- 4 2x fixture bolt
- 5 steel clamp
- 6 threaded end  $\varnothing$ 10mm
- 7 steel fixture
- 8 fixture bolt
- 9 rotation point
- 10 fixture clamp-wall
- 11 empty puncture wall  $\varnothing$  50mm
- 12 concrete wall sliding casted 300mm
- 13 steel spacer fixture
- 14 fixture bolt
- 15 steel rivet
- 16 2x fixture bolt
- 17 massive steel spacer  $\varnothing$  45mm



## V2 vertical detail balconies 1:5

- 1 steel spacer wire end  $\varnothing$  40mm
- 2 laminated marble tile: glass 10mm - marble 5mm
- 3 aluminum lamp fixture
- 4 LED lamp
- 5 siding fixture
- 6 aluminum shelve construction 300x25x3mm
- 7 steel beam gangway HEA190
- 8 aluminum angular profile 40x60x6mm
- 9 siding fixture
- 10 siding haning fixture
- 11 laminated marble tile: ceramic 15mm - marble 5mm
- 12 steel beam HEA200
- 13 rigid plate
- 14 steel cable  $\varnothing$  20mm
- 15 steel cable clamps
- 16 marble tile click system
- 17 aluminum fixture flooring
- 18 galvanized steel flooring 30x30x3mm
- 19 combined profile 2x steel angular profile 100x50x5mm
- 20 steel angular profile 100x100x5mm
- 21 galvanized steel fencing 30 degree angle 20x10x2mm



erection of the shell

“The elements which the ‘bricoleur’ collects and uses are ‘pre-constrained’ like the constrictive units of myth, the possible combinations of which are restricted by the fact that they are drawn from the language where they already possess a sense which sets a limit on their freedom of manoeuvre.” \*

Claude Lévi-Strauss

## building choreography

- 1 excavation of the ruin
- 2 erection of the core
- 3 adding of the balconies
- 4 ensembling the shell
- 5 closing of the shell
- 6 completion of the tower



