

Conventions graphiques

lignes en vues

traits continus

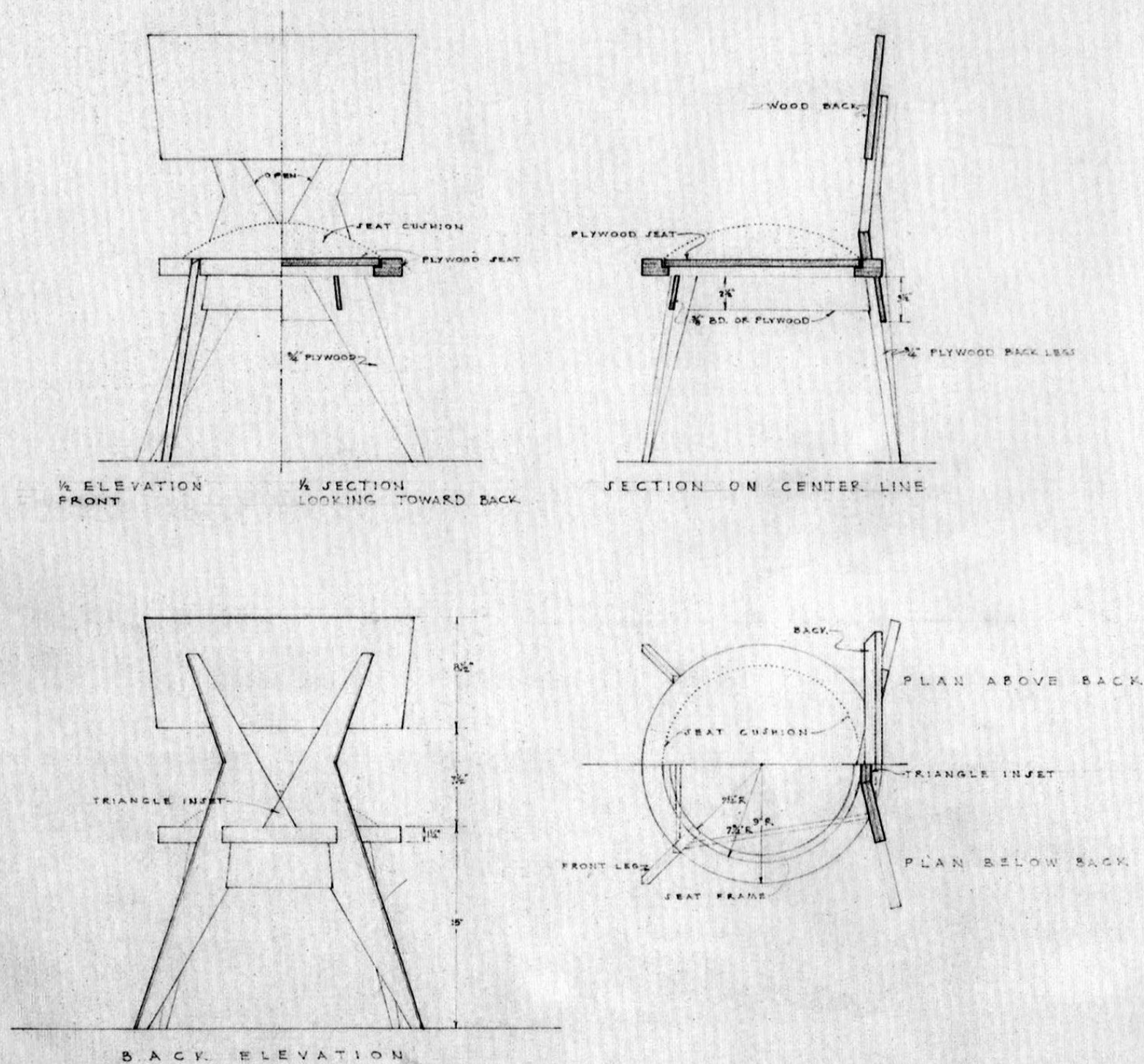
lignes coupées

épaisseur de trait plus forte que celle des lignes en vues

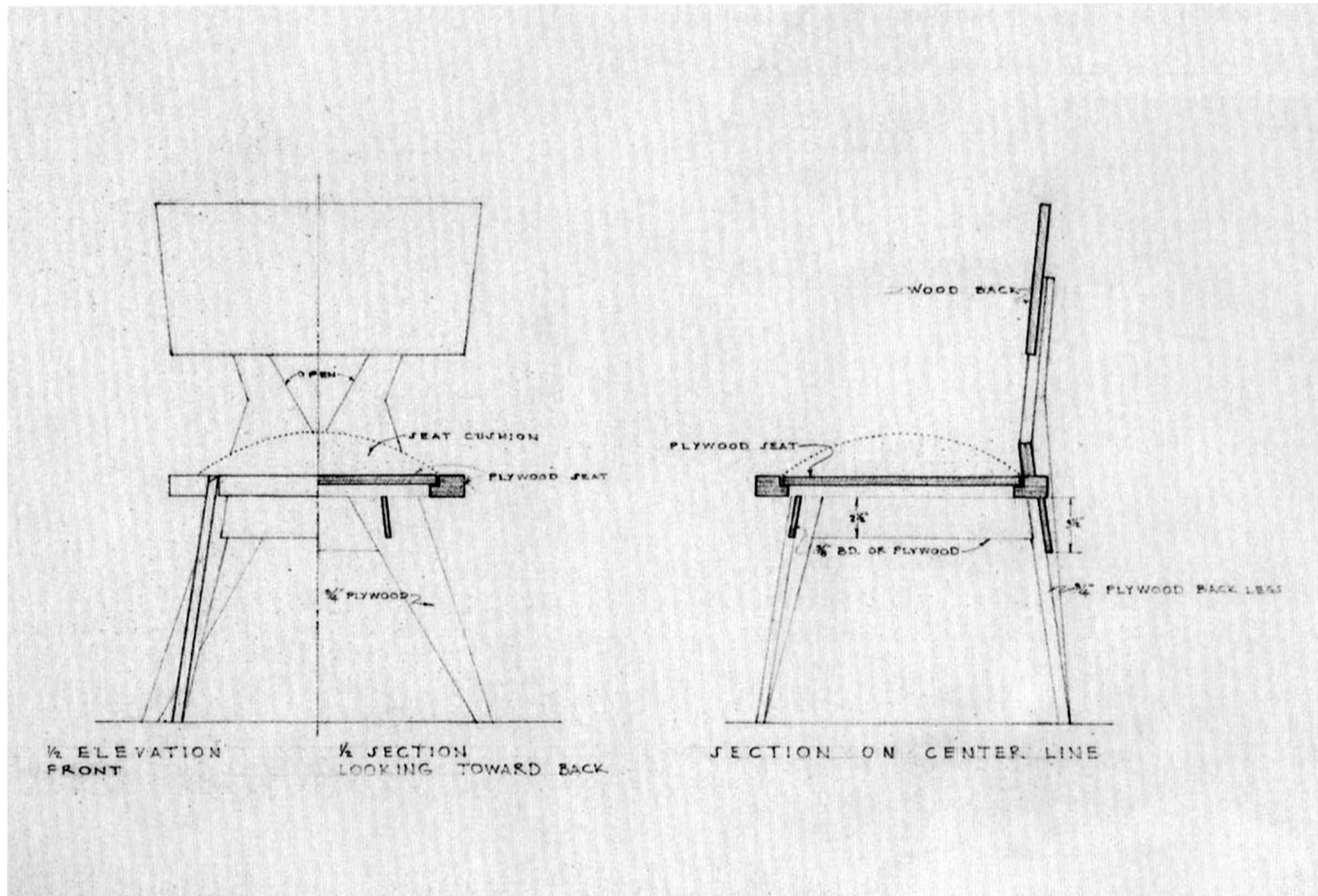
lignes invisibles

trait interrompus ou des lignes fines

lignes de construction lignes très fines



CIRCULAR CHAIR SCALE: 3/4"=1'-0"
FRANK LLOYD WRIGHT ARCHITECT



l'élévation

«projection géométrale sur un plan vertical placé parallèlement à une des faces de l'objet»

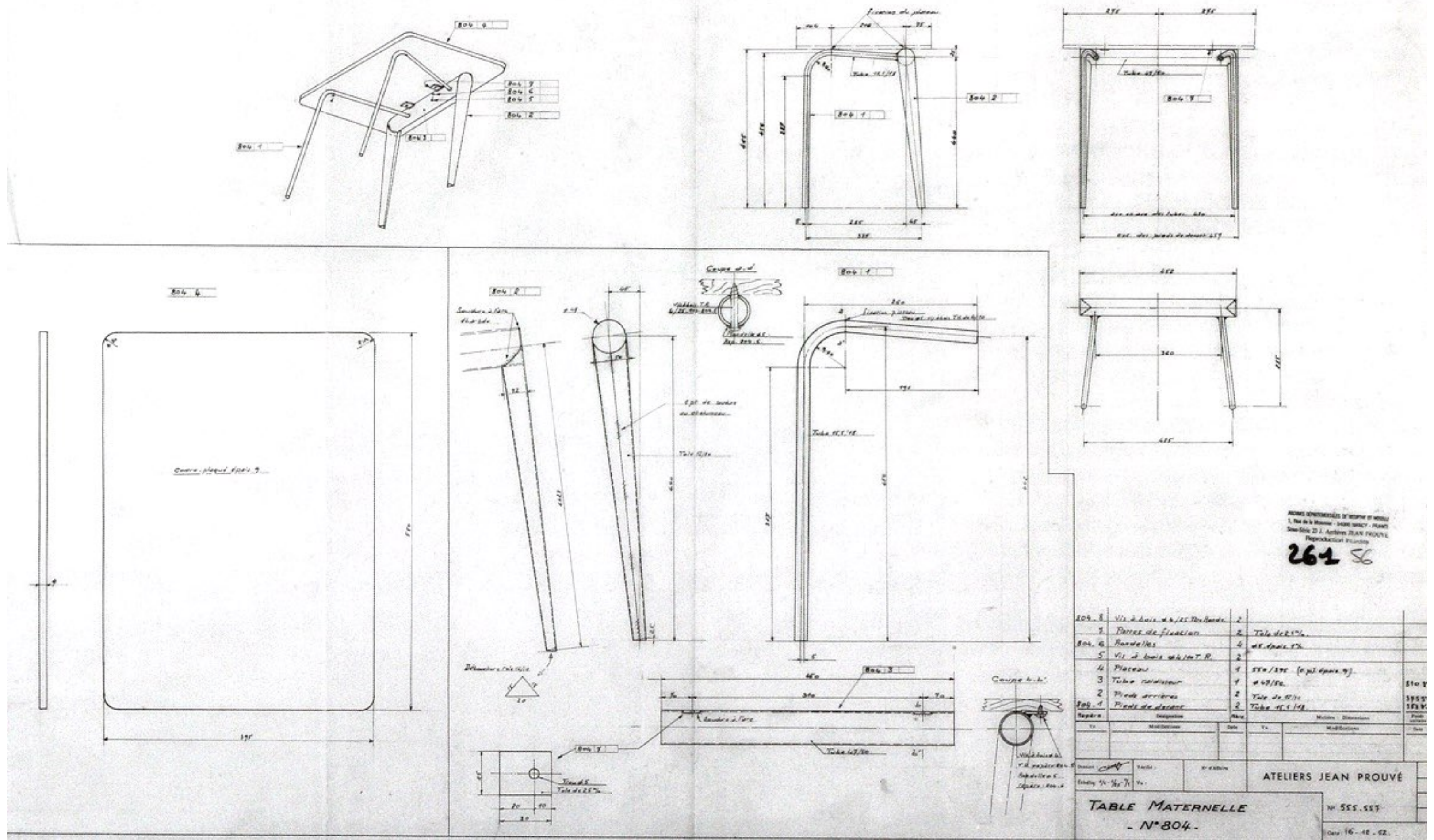
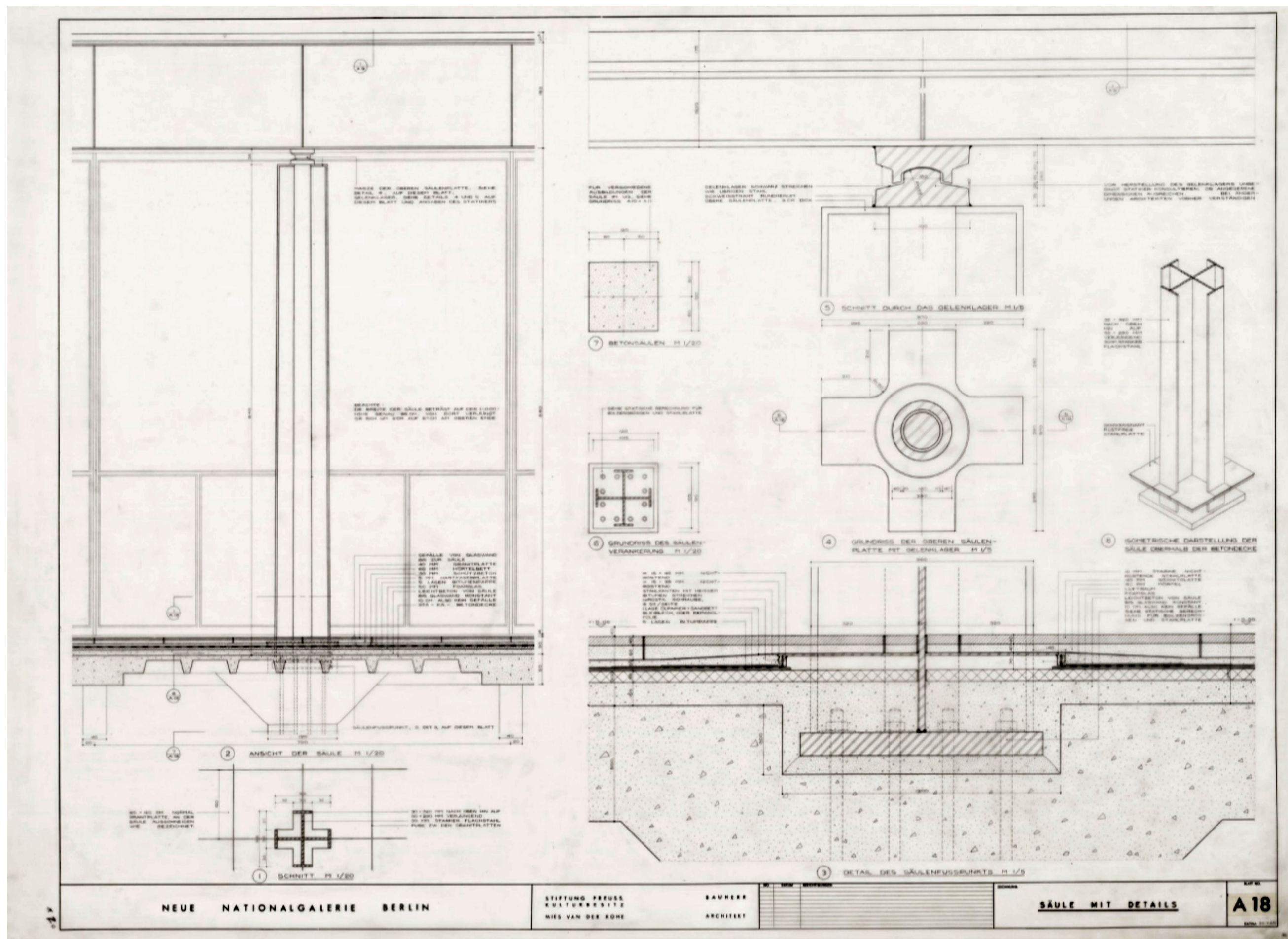


Table maternelle n° 804. 1952. Jean Prouvé



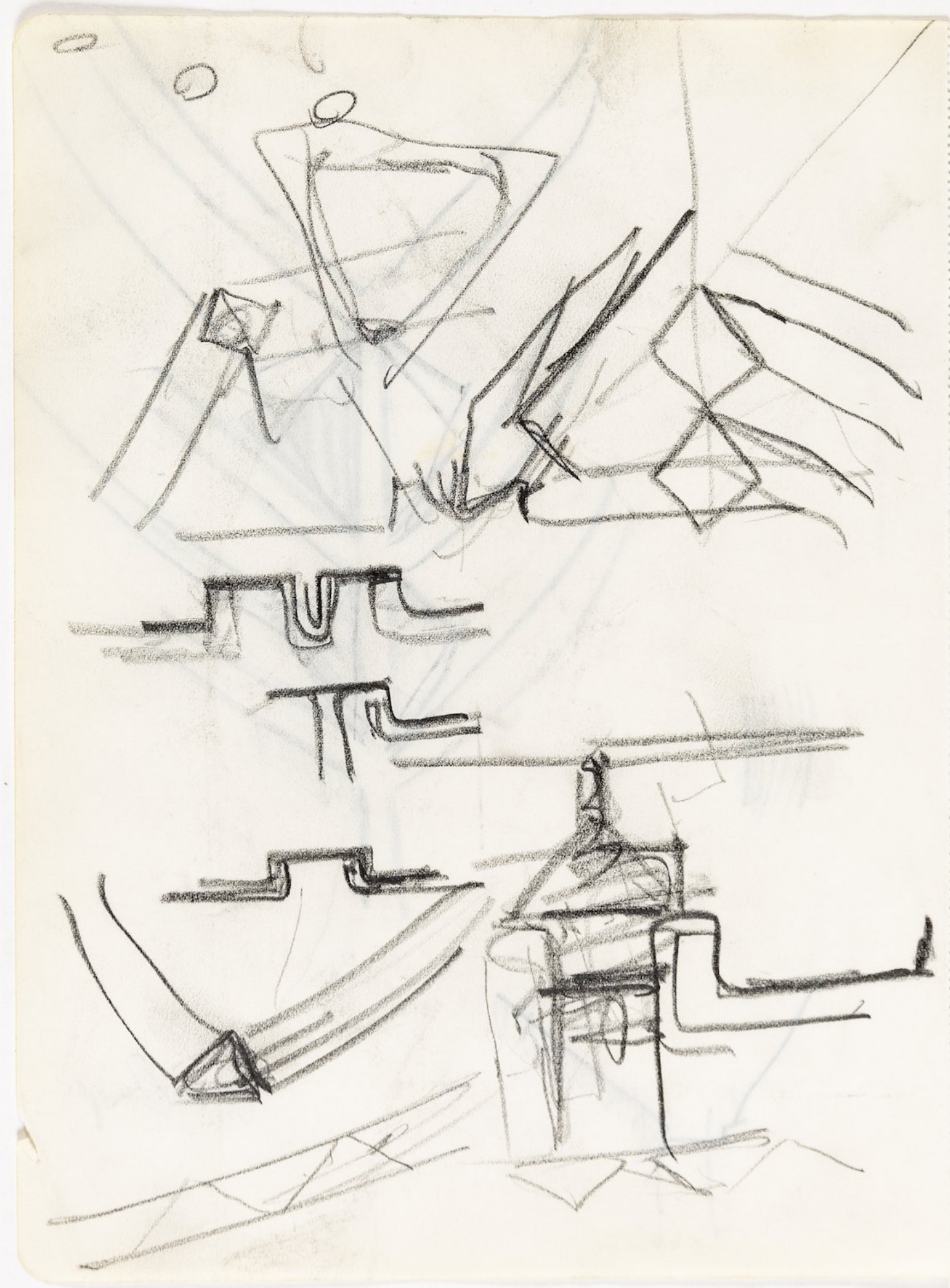
New National Gallery, Berlin, Germany (Column with details) 1965, Ludwig Mies van der Rohe, Pencil on acetate with printed title block and border, © 2019 Artists Rights Society (ARS), New York / VG Bild-Kunst, Bonn

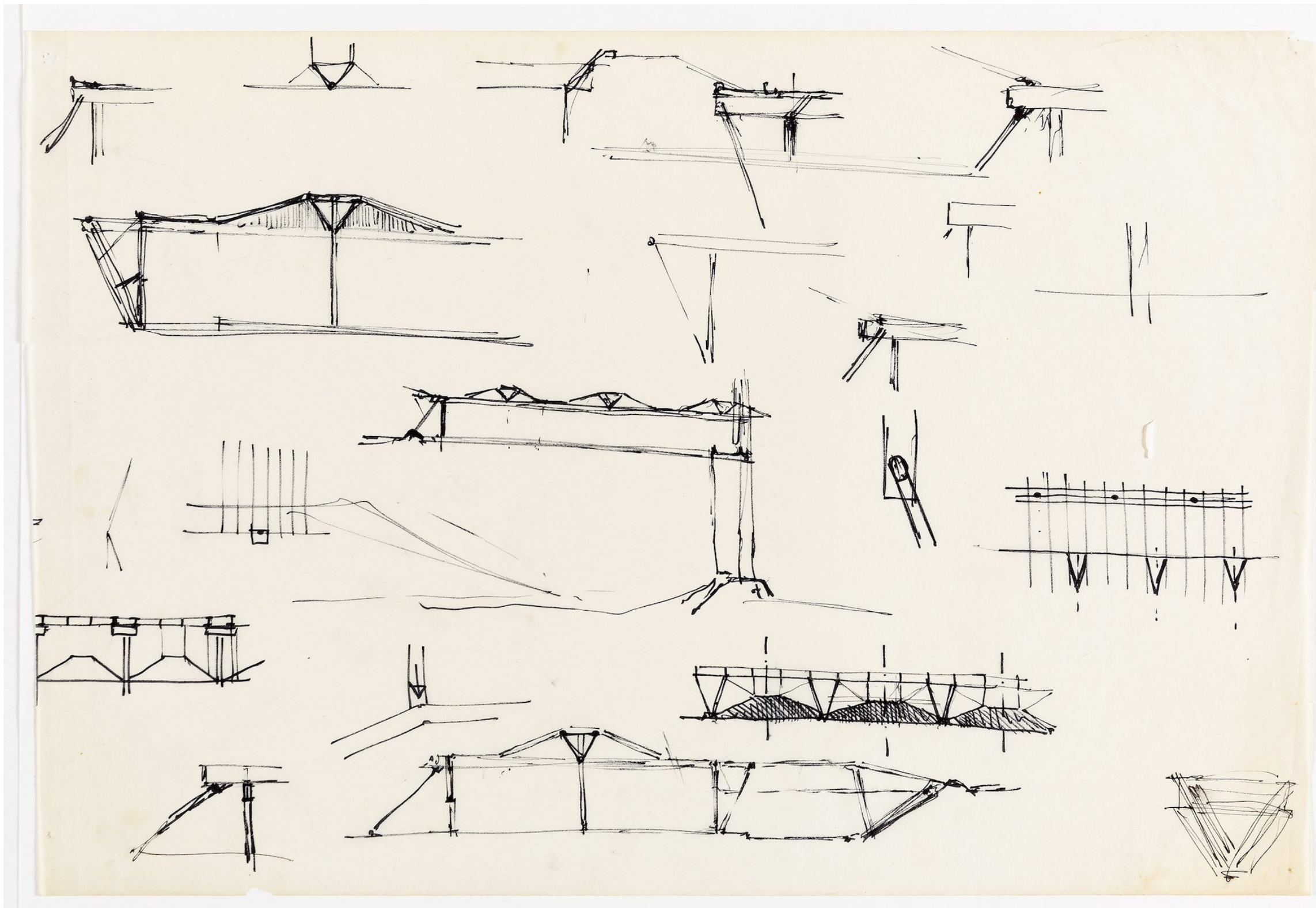
2. Sketches

«Le croquis est un phénomène particulier. Il est impossible de décider, sauf par des moyens dogmatiques, s'il s'agit ou non d'une projection. Dans la mesure où il s'apparente à un dessin à l'échelle, il est projectif ; mais sa capacité à absorber tant d'autres interprétations, à être ce qu'on veut y voir, et à multiplier les ambiguïtés et les incohérences, le fait fonctionner tout autrement. Il ne serait donc pas juste de le qualifier d'approximation imprécise d'une projection. Sa relation avec son objet est bien plus incertaine que dans les dessins évoqués jusqu'à présent, étant davantage une question de suggestion que de désignation. Et c'est pourquoi sa notoriété accrue est significative.»

Evans, 1989, p.33.

Ove Arup (1895–1988), Sketch for Kingsgate Bridge, Durham, 8, 1963. Pencil on wove paper, 230 × 190 mm. DMC 2773.6v, in <https://drawingmatter.org/ove-arup-engineering-the-world/>.

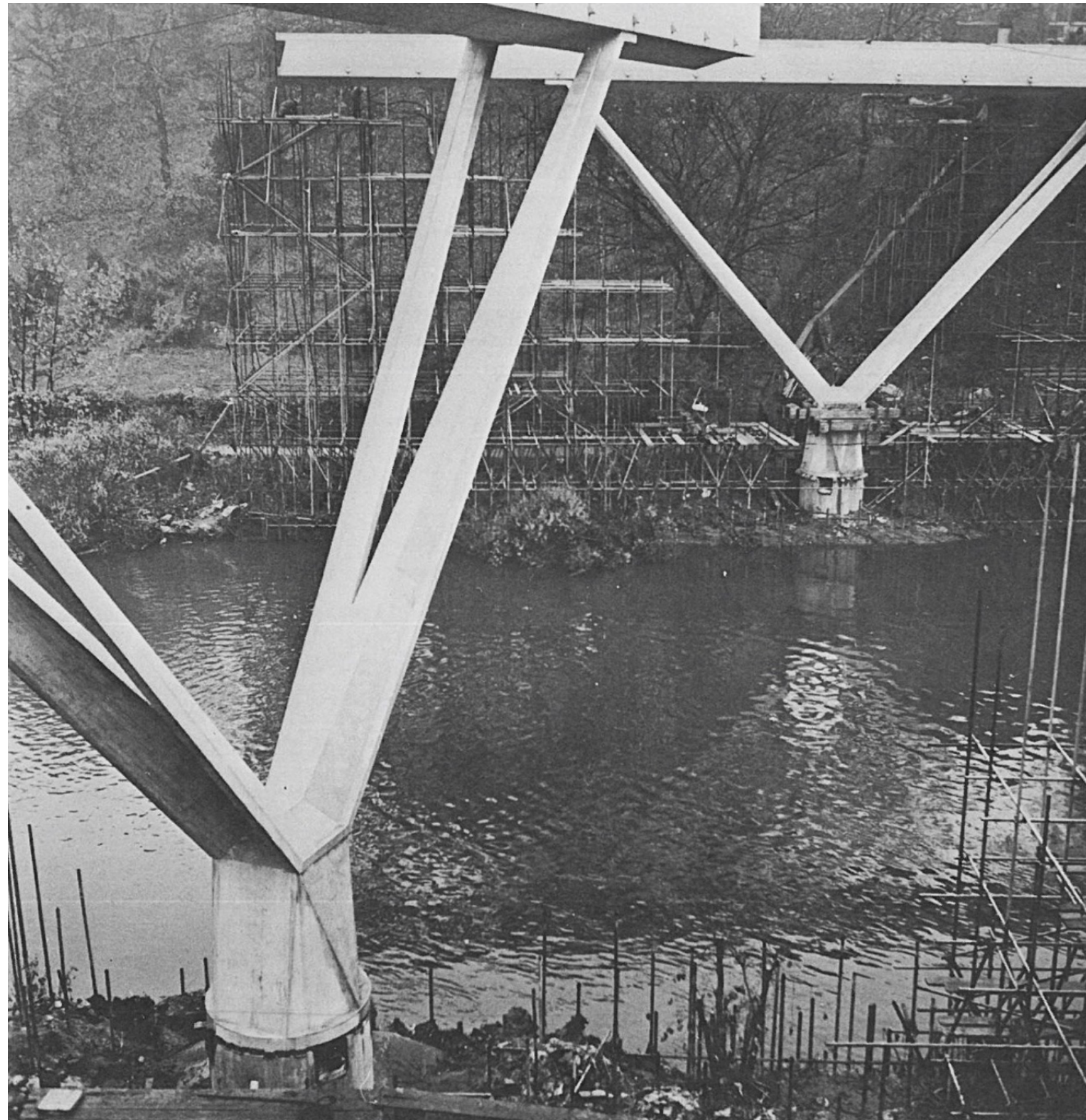




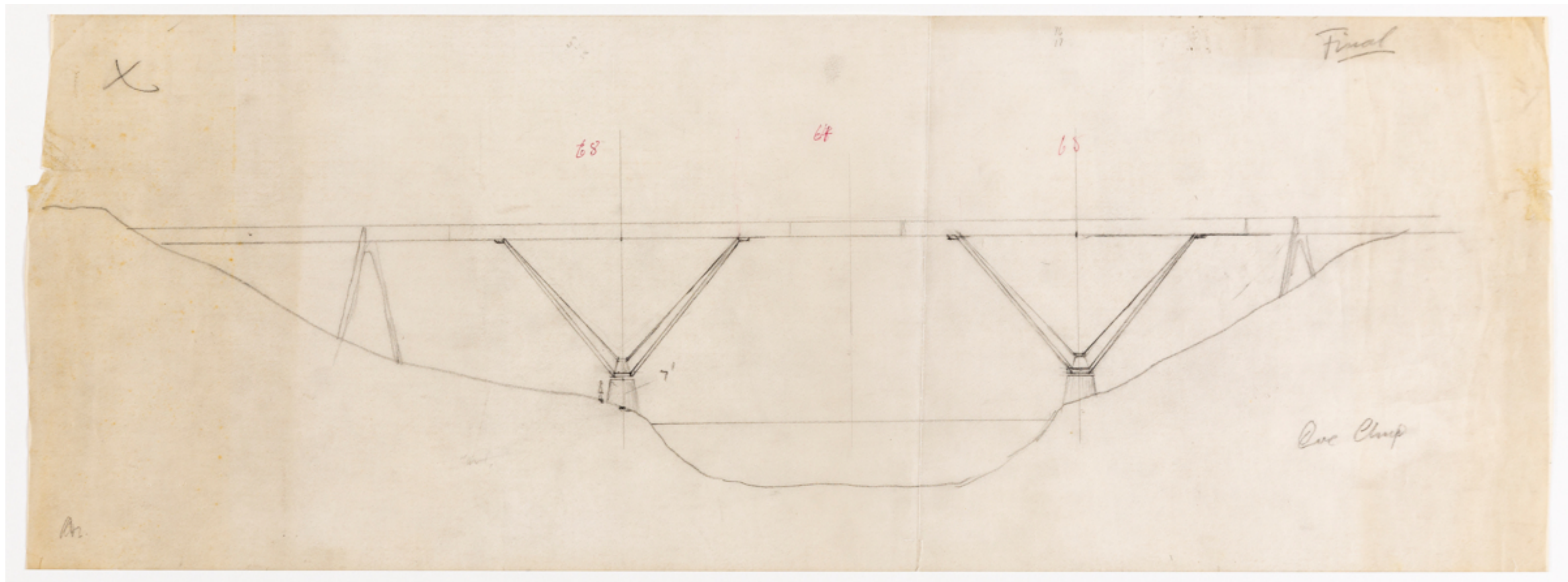
Ove Arup (1895–1988), Sketch for Kingsgate Bridge, Durham, 5, 1963. Felt pen on tracing paper, 383 × 575 mm. DMC 2773.8., in <https://drawingmatter.org/ove-arup-engineering-the-world/>



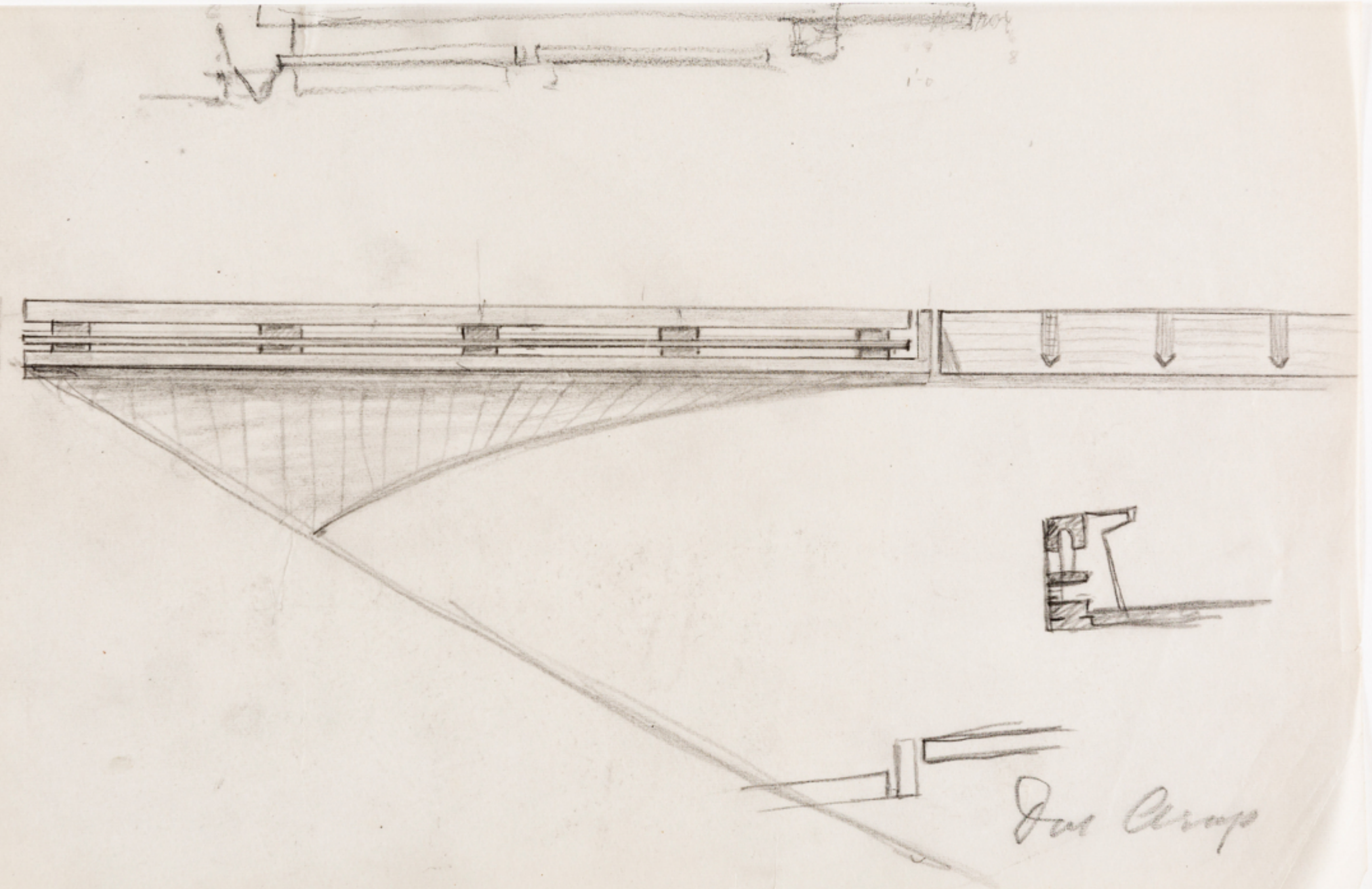
Ove Arup (1895–1988), Kingsgate Bridge, Durham, 8, 1963. in <https://drawingmatter.org/ove-arup-engineering-the-world/>.



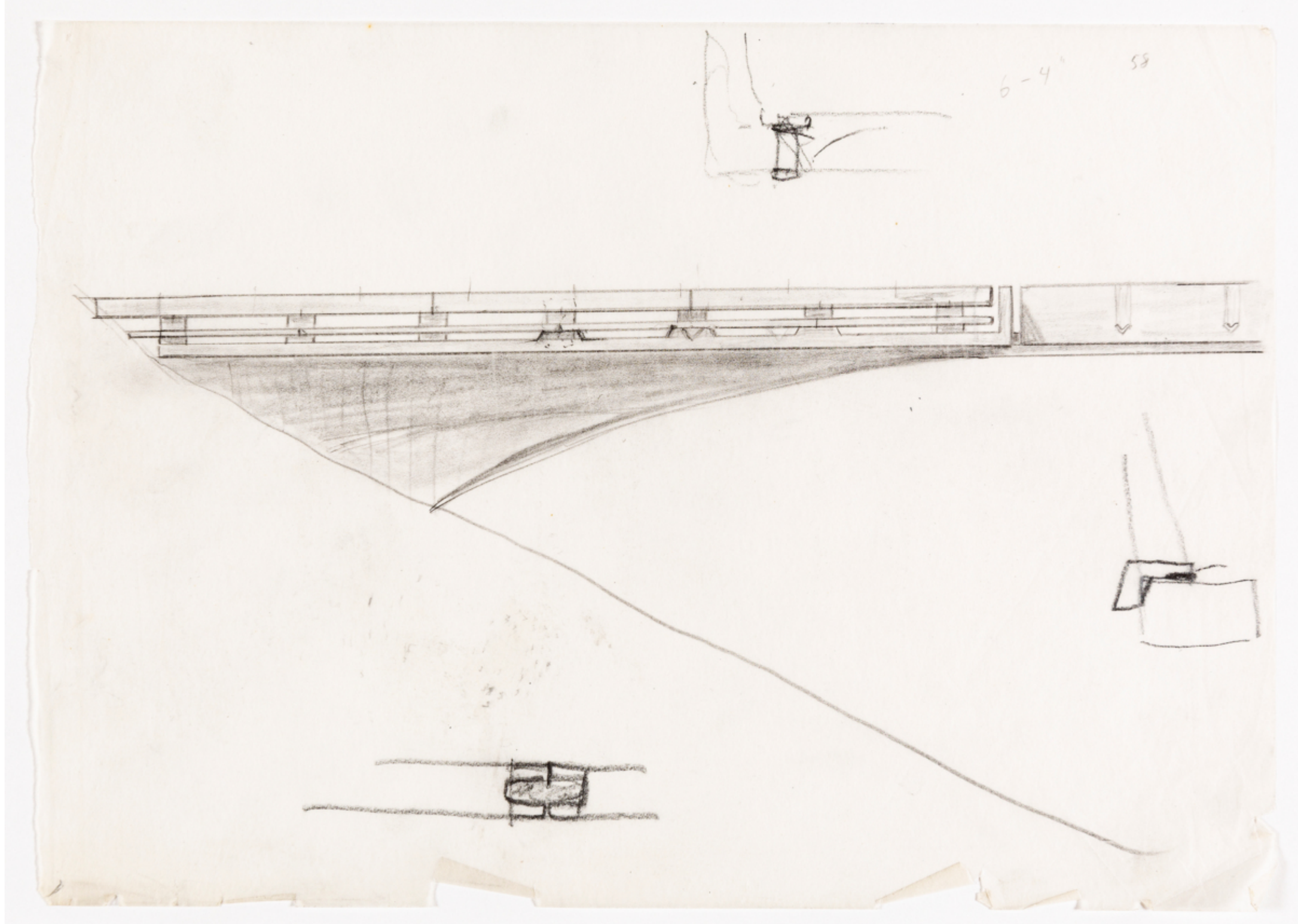
Ove Arup (1895–1988), Kingsgate Bridge, Durham, 8, 1963. in <https://drawingmatter.org/ove-arup-engineering-the-world/>.



Ove Arup (1895–1988), Sketch for Kingsgate Bridge, Durham, 8, 1963. in <https://drawingmatter.org/ove-arup-engineering-the-world/>.



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Ove Arup (1895–1988), Sketch for Kingsgate Bridge, Durham, 8, 1963. in <https://drawingmatter.org/ove-arup-engineering-the-world/>.

3. Tactile details

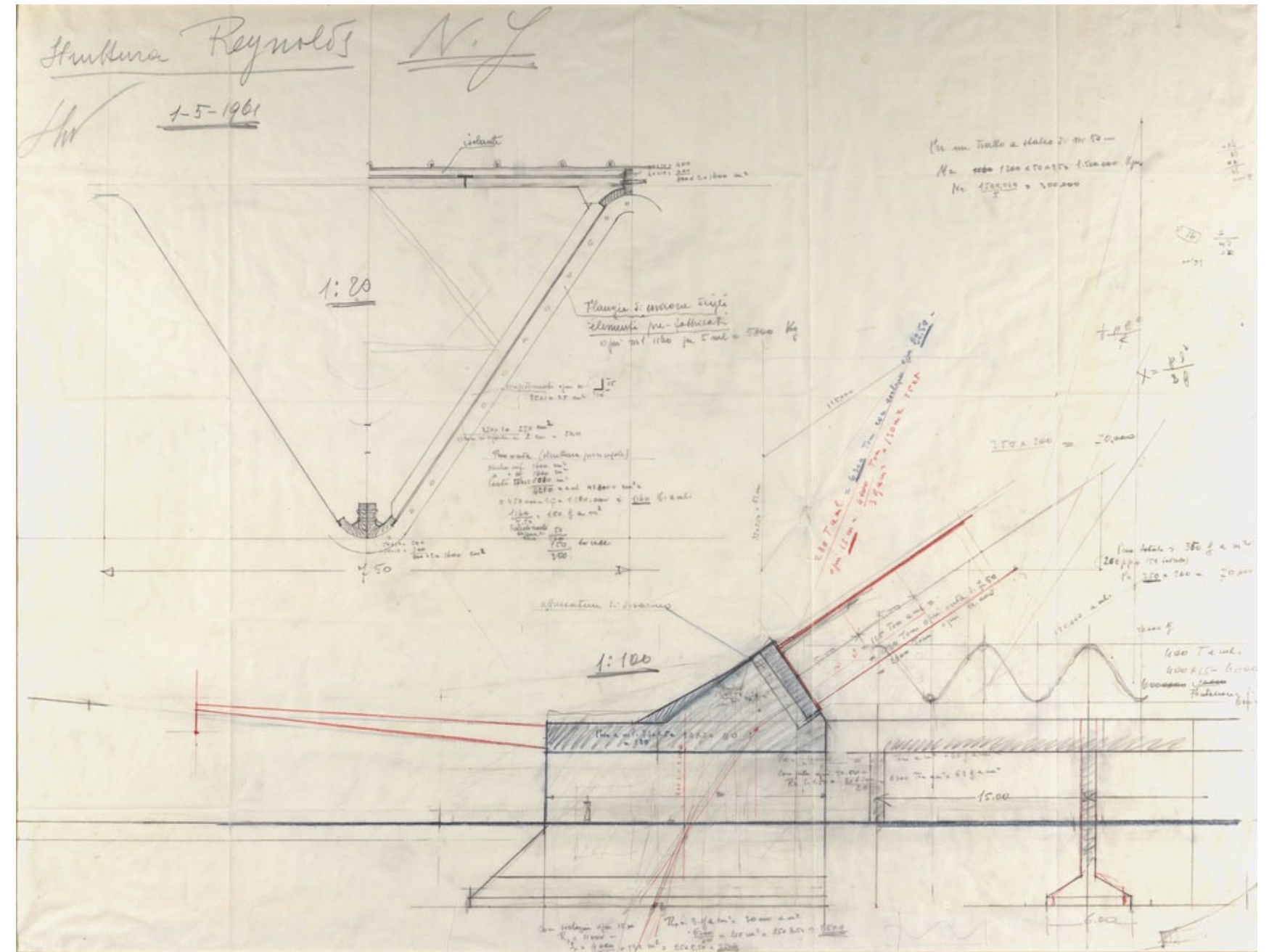
By examining details as individual fragments, students dive into the dimensions and articulations of structural elements in various scales.

Through the process of exposing these parameters on paper during the analysis or design phase, students gain access to multiple dimensions encompassing space, materiality and structure.

These processual drawings foster an understanding of the significance of detail and its influence on the project. Drawing tactile details will cultivate a heightened spatial sensitivity, encouraging the active integration of detail in the conceptual early stages of a project.



Palazzetto dello sport in costruzione, Roma , Pier Luigi Nervi, 1956-1957



Drawings of constructional details of a proposed covered racetrack for the Reynolds metal company, Pier Luigi Nervi May 1, 1961 collection.cooperhewitt.org

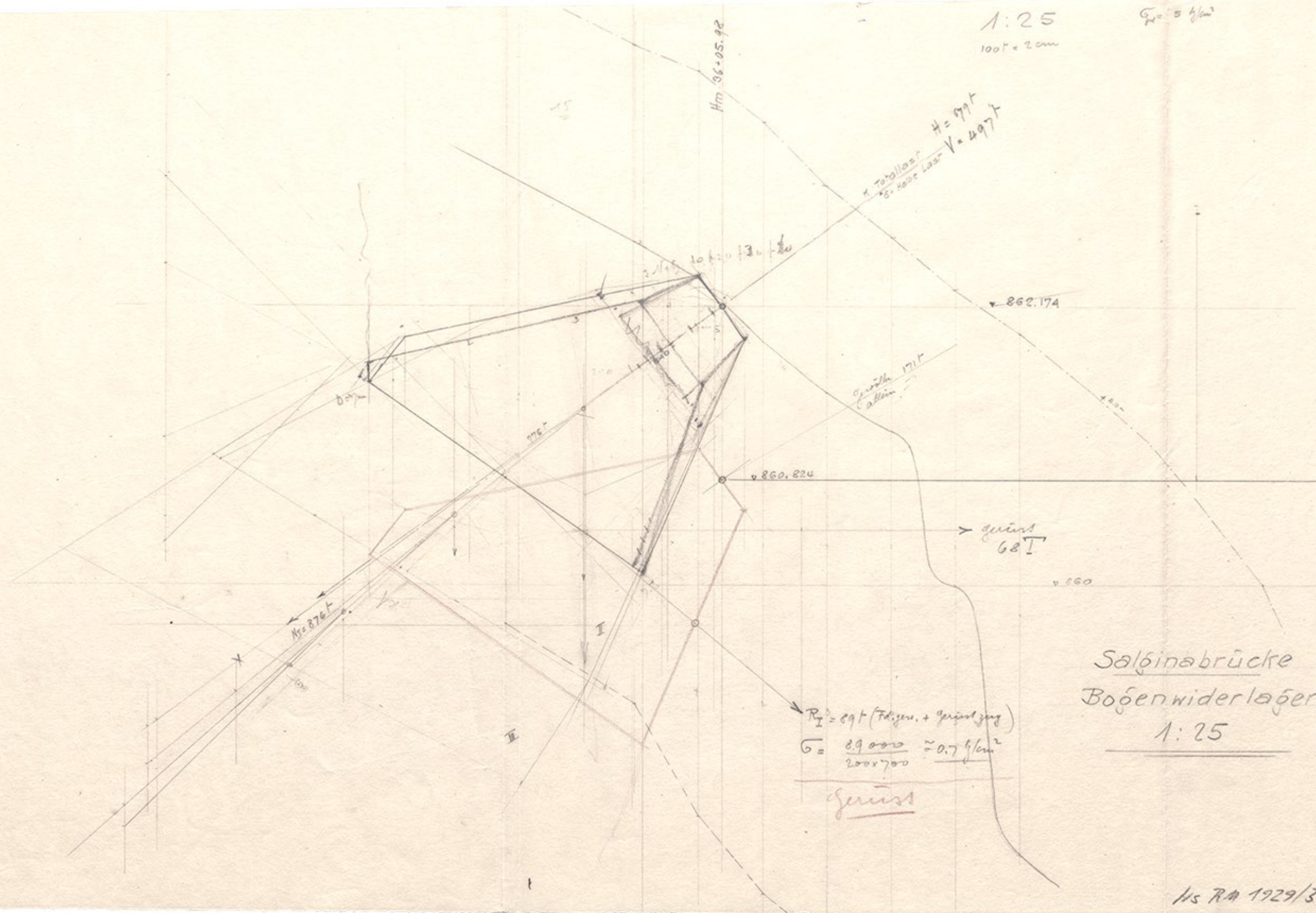
1:25

100t = 2cm

$G_{\text{H}} = 5 \text{ t/cm}^2$

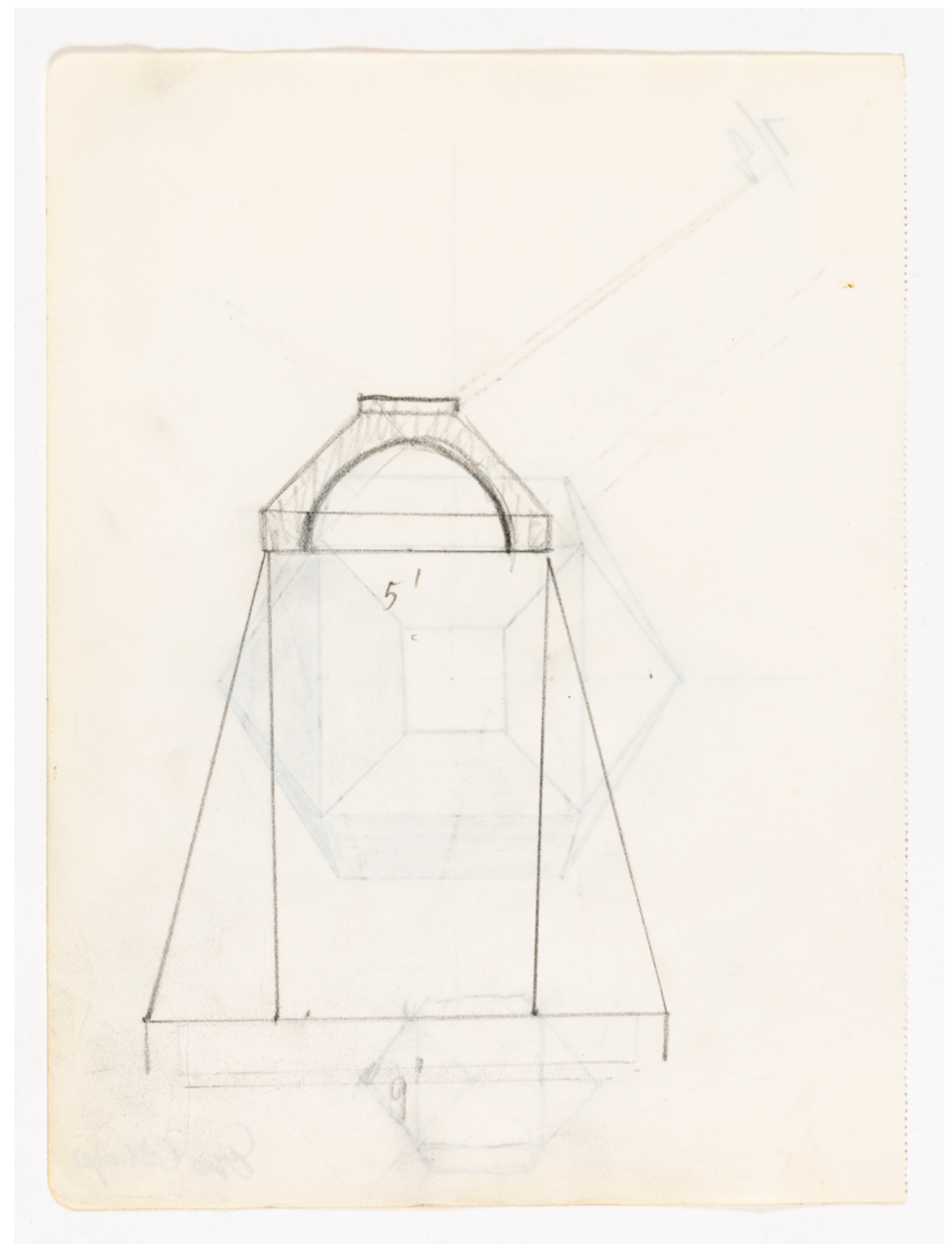
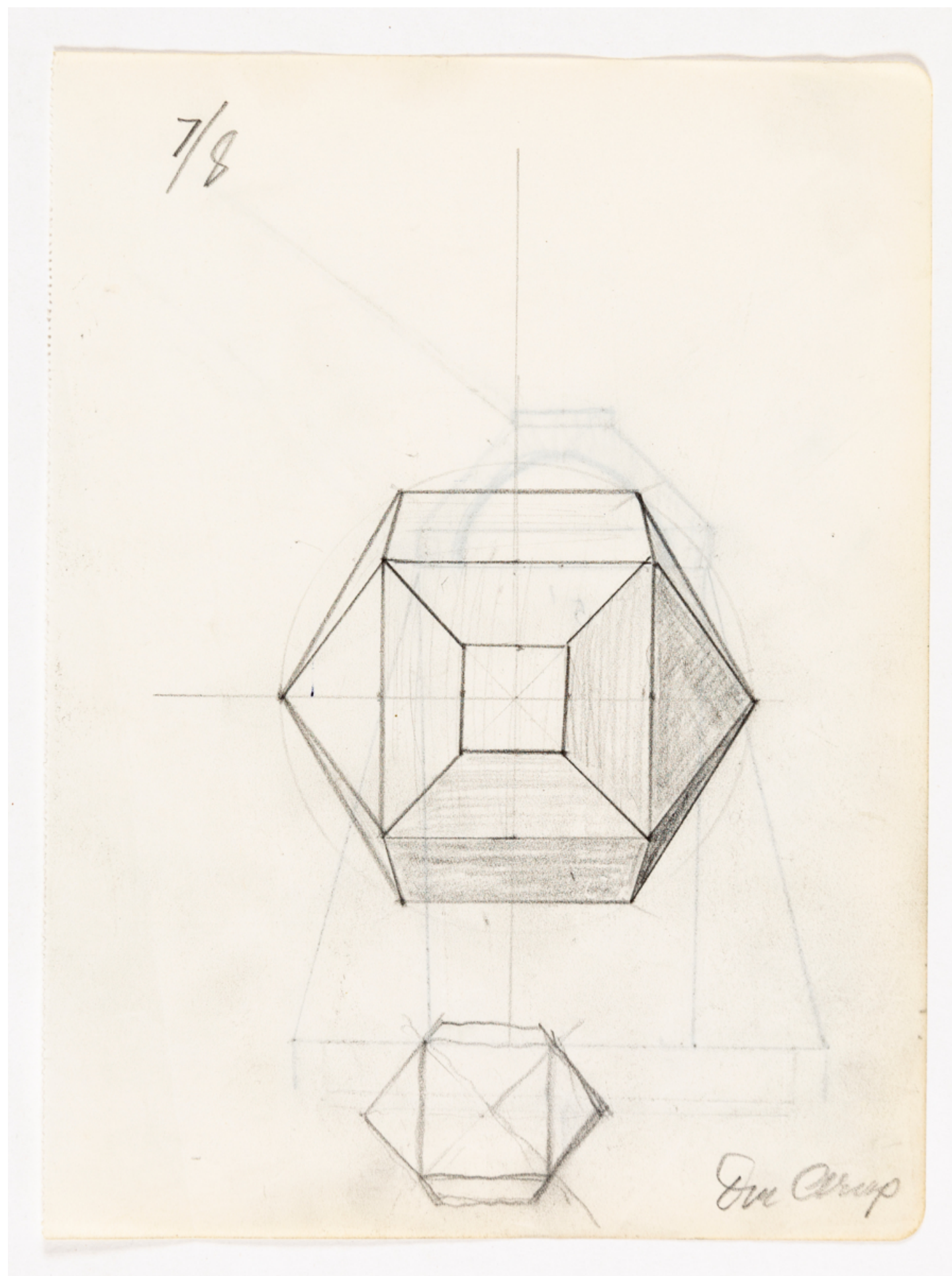
Hm 36.05.92

1. Totlast $H = 179 \text{ t}$
2. Halbe Last $V = 497 \text{ t}$



Salginabrücke
Bogenwiderlager
1:25

1/5 RA 1929/30-1



Ove Arup (1895–1988), Sketch for Kingsgate Bridge, Durham, 8, 1963. in <https://drawingmatter.org/ove-arup-engineering-the-world/>.