MAASSILO ROTTERDAM

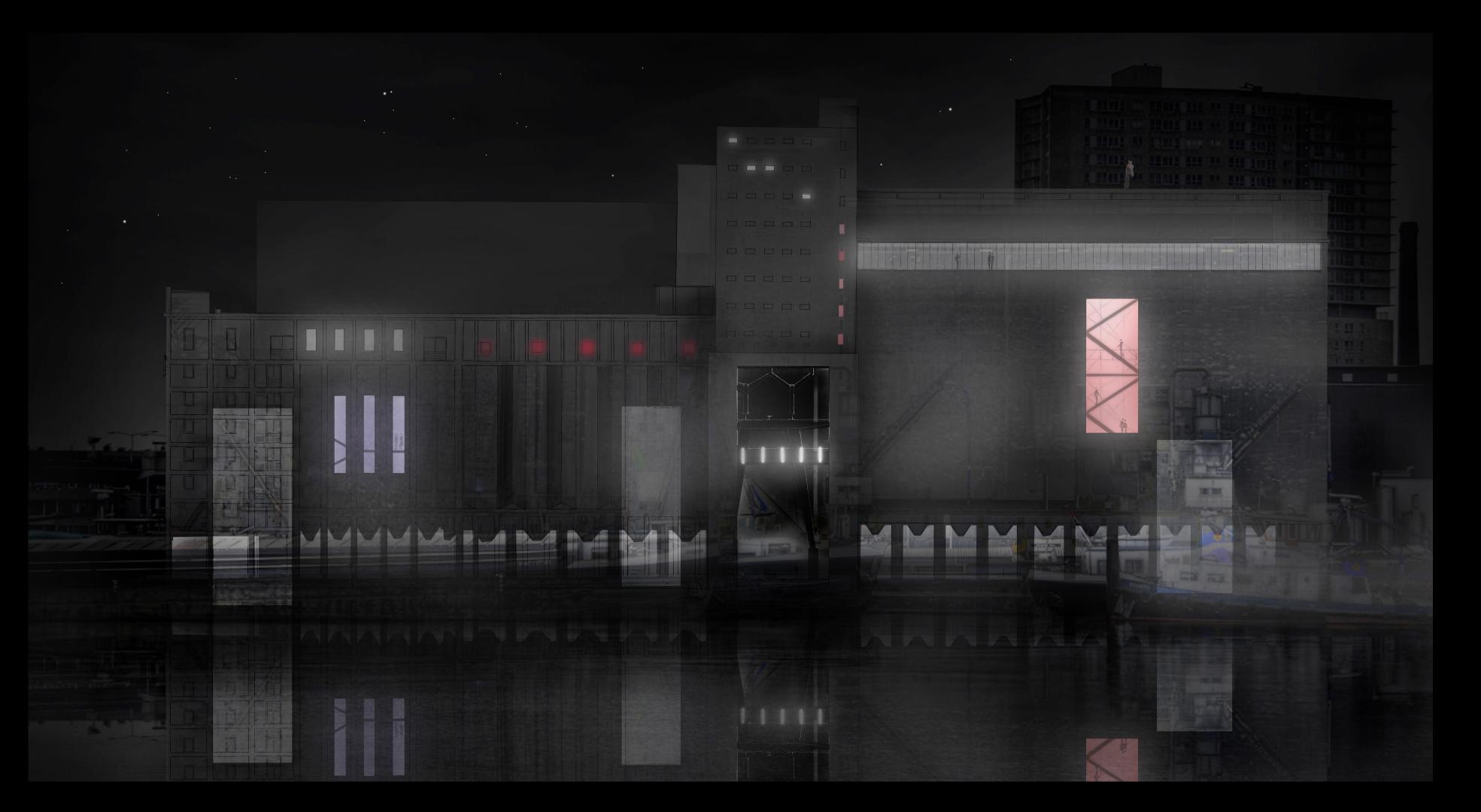
"A STURDY PLACE FOR EXPERIMENTATION"

P5 DESIGN DAVID VAN WEEGHEL 4086627



NORTH FACADE - EXISTING

SOURCE: https://reahon.deviantart.com/art/maassilo-maashaven-zz-20696453



NORTH FACADE - NEW



LONG SECTION - 1:100

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1. STRUCTURAL CUTS - PERMANENT

Slowly but steadily, demolition robots and blade saws make their way into the silo clusters. Following the logic of demolition and future infrastructure, a series of spaces and passages is irreversibly cut out of the concrete structure. Cuts are made primarily in straight lines, so that the act of cutting is made explicit. A range of spatial experiences is provided by controlled force.

approximate lifespan: 30+ years



2. SUPPORT STRUCTURES AND FLOORS - PERMANENT

Steel support structures take the place of the demolished concrete. Their claws do not touch the cutting surfaces, leaving every trace of the demolition process intact. These structures are left in sight in order to make it felt that force is continuously necessary to provide space for the nightclub. Structural floors are added to make the space definitively usable.

approximate lifespan: 30+ years



B. FUNCTIONAL INFILL - TEMPORARY

After the structural basis is laid, a specific nightclub organisation will come to the space. Following their specific functional demands, concerning program, safety, sound insulation and climate, the space will be filled with secondary structures, walls and machines that stand on the structural floors. Colour is added scarcely.

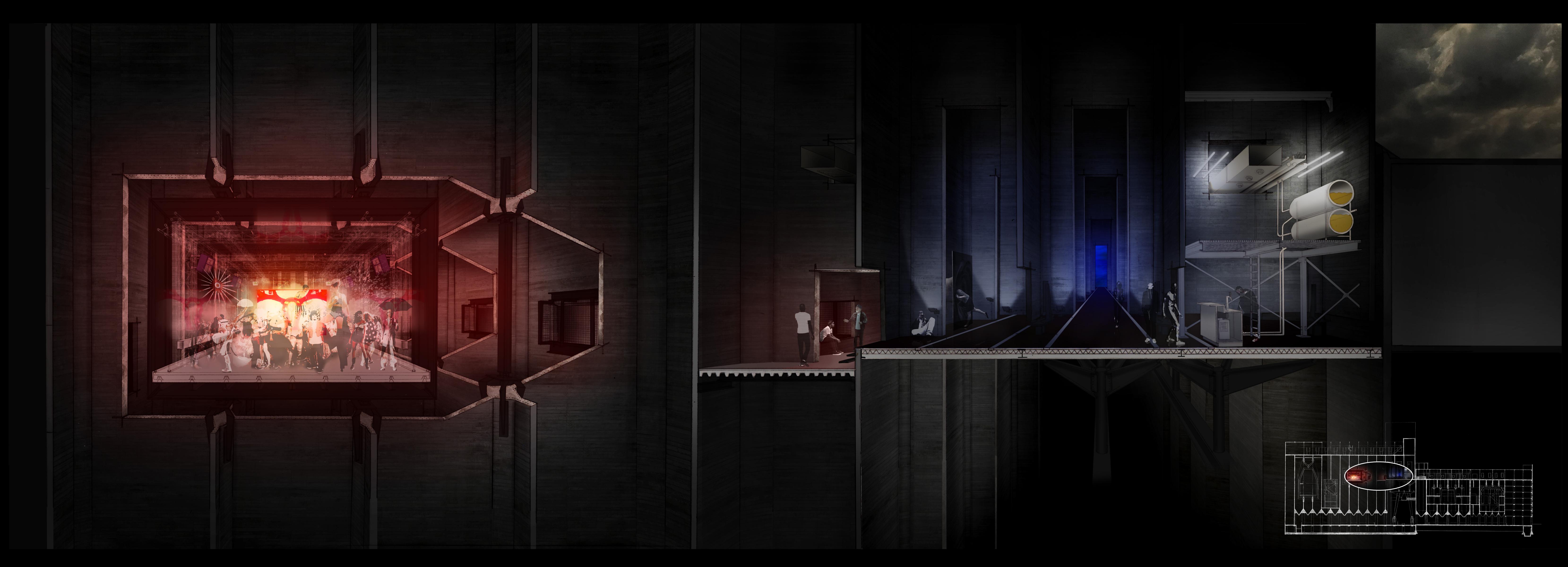
approximate lifespan: 5-10 years



4. AESTHETICAL USE - VOLATILE

When the strict functional demands are met, aesthetical use of the spaces is left to the user. The Maassilo and the user come together in a mix of rough textures and coloured lasers, hollow silos and growling basstones. Industrial order challenged by high power expression.

approximate lifespan: seconds



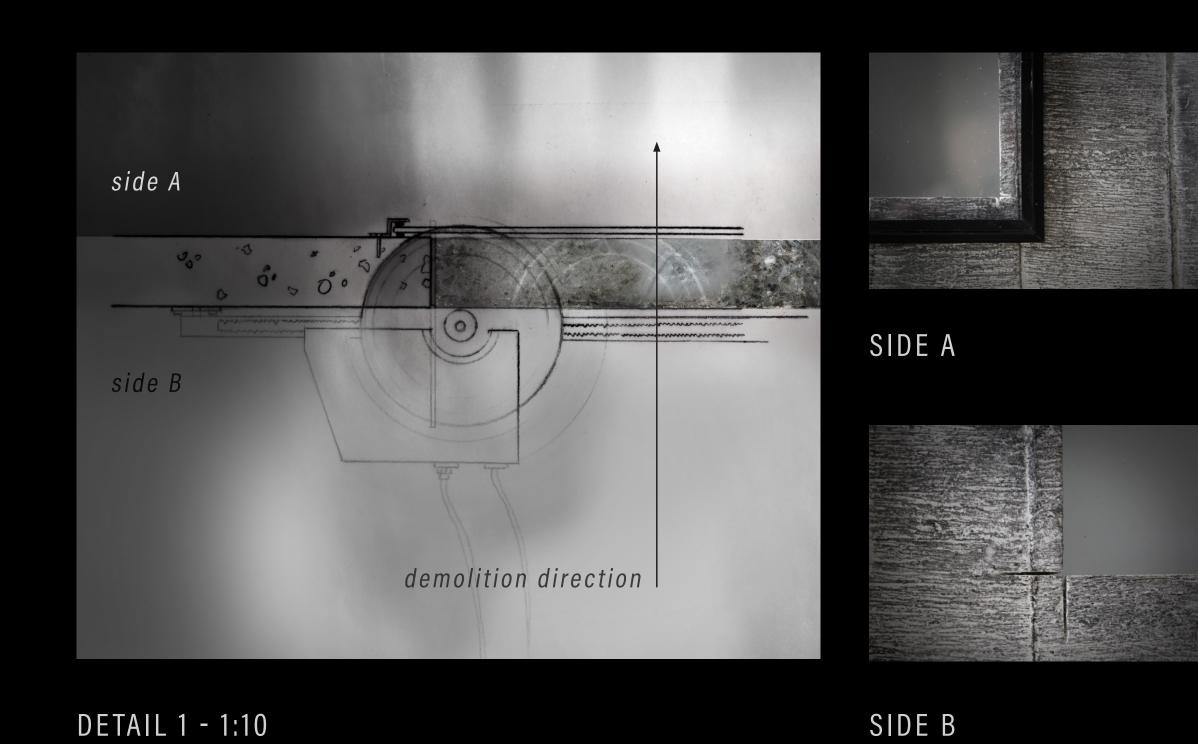
HALL B & LOUNGE, SECTION B - 1:25

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CUTTING AND CONSTRUCTING



STRUCTURAL CLAW ASSEMBLY



1. cut through 'knot'



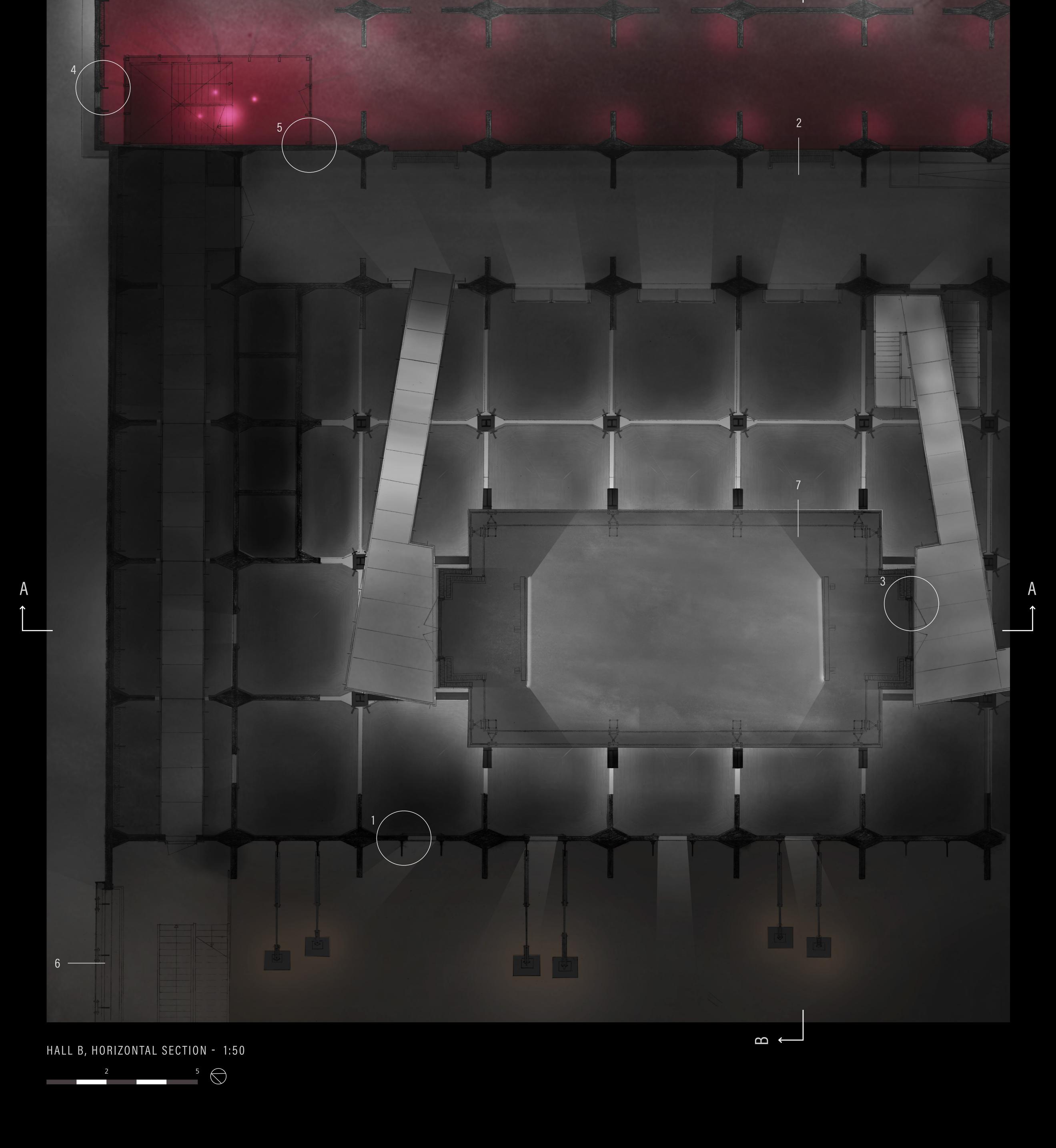
4. bolted connection part 1 & 2 5. bolted connection plate 6. bolted connection beam



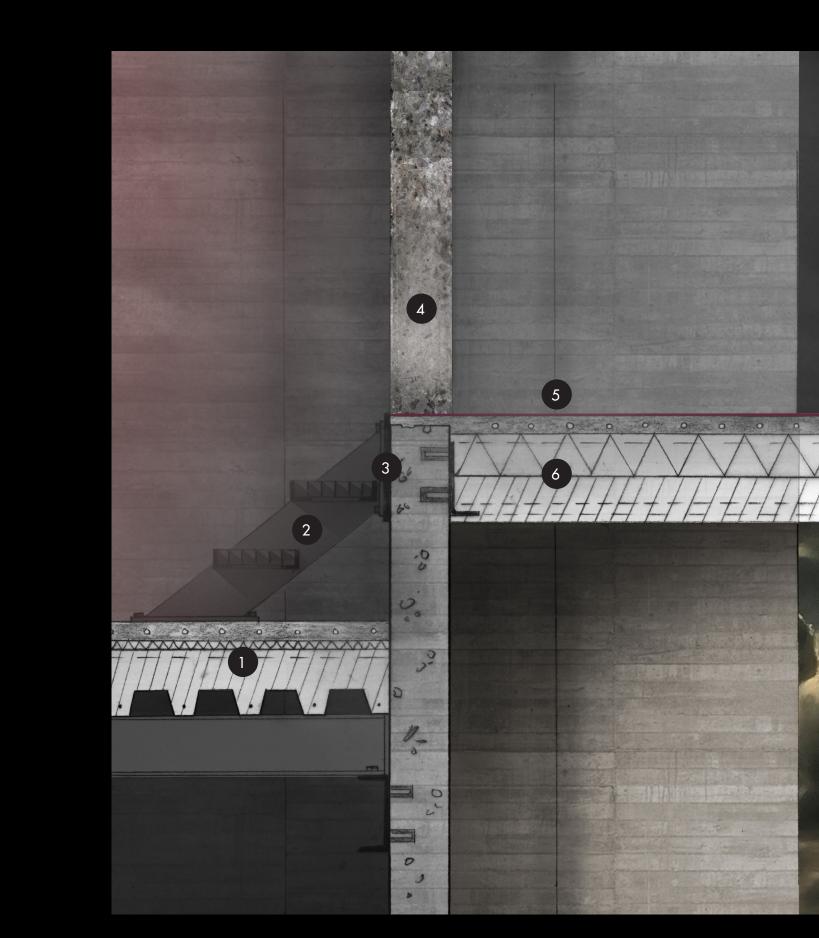
SECTIONS HALL B



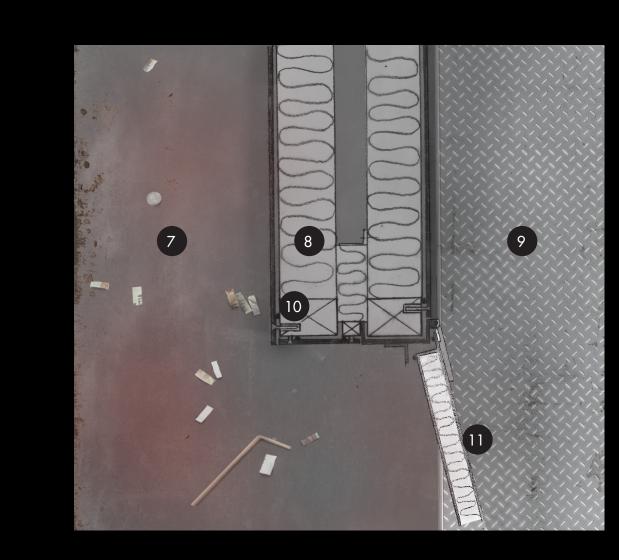
HALL B, SECTION A - 1:50



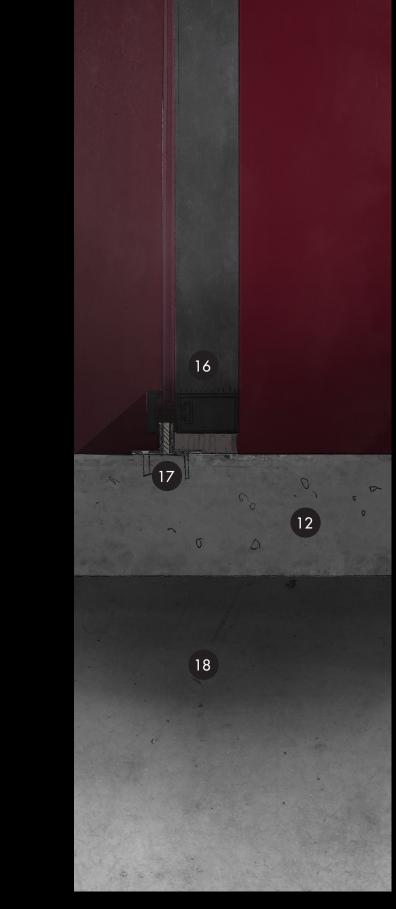
DETAILING



DETAIL 2 - 1:10



DETAIL 3 - 1:10



20. existing silo wall, 160 mm

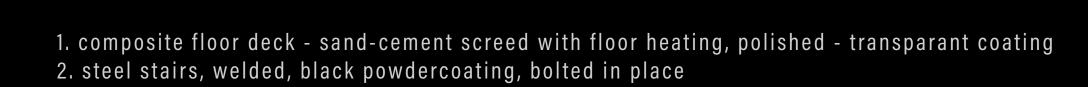
22. UNP200, black powdercoating

21. steel plate 10 mm, welded on UNP profile

DETAIL 5 - 1:5



DETAIL 6 - 1:5



- 3. steel plate defines top level sand-cement screed 4. cutting surface visible 5. hard-wearing anti-slip PU coating [EPI Hardtop 210 C], satin gloss, RAL 3005 (wine red)
- 6. concrete floor, cast in situ solid insulation sand-cement screed with floor heating 7. sand-cement screed, transparant coating 8. wooden studs - rockwool - galvanized steel sheet, brushed in one direction 120 GRIT
- 9. galvanized steel tread plate 10. rivet nut for easy sheet replacement

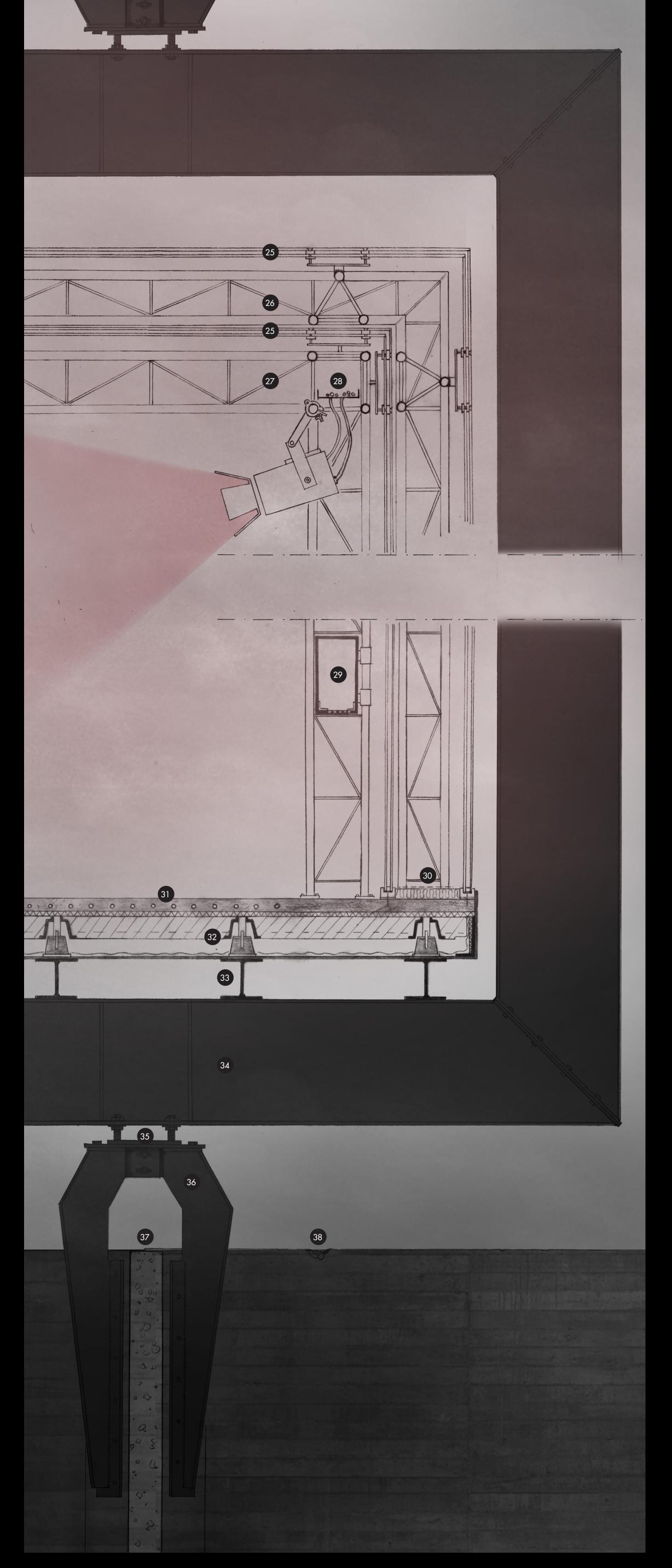
DETAIL 4 - 1:5

11. steel acoustic and fire resistant door (60 WBDBO) 12. existing silo wall, 160 mm

19. existing layer of aerocrete, 70 mm

- 13. thermal/acoustic/thermal+acoustic sealed insulation blanket 14. perforated steel sheet, brushed in one direction 120 GRIT, acoustic filling
- 15. T-profile 150x250 mm, black powdercoating 16. steel fire resistant curtain wall system [VISS Fire], matte black 17. 2x steel angled pofile, fermacell in between 18. sand-cement screed with floor heating, polished - transparant coating

- 23. steel plate, 40 mm, black powdercoating 24. point fixture [SGG POINT] - single glazing, airtight connection to welded steel window 25. laminated double glazing, 12,8 - 20A - 16,8 26. steel triangular truss construction, white 27. steel rectangular truss construction, white 28. lighting equipment integrated and bolted to truss construction 29. heavy-duty galvanised steel ventilation duct
- 30. absorbtion lining perforated metal sheet covering 31. sand-cement screed with floor heating - transparant coating
- 32. jacked up floor system rubber mounting cavity based on low freq. reduction (MASON INDUSTRIES) 33. HEA200, black powdercoating 34. IPE600, black powdercoating
- 35. possibility for allignment 36. welded steel claw, black powdercoating, bolted in place - connection to concrete by chemical anchoring 37. uneven cutting surfaces 38. damage done by demolition robots and construction process



DETAIL 7 - 1:10