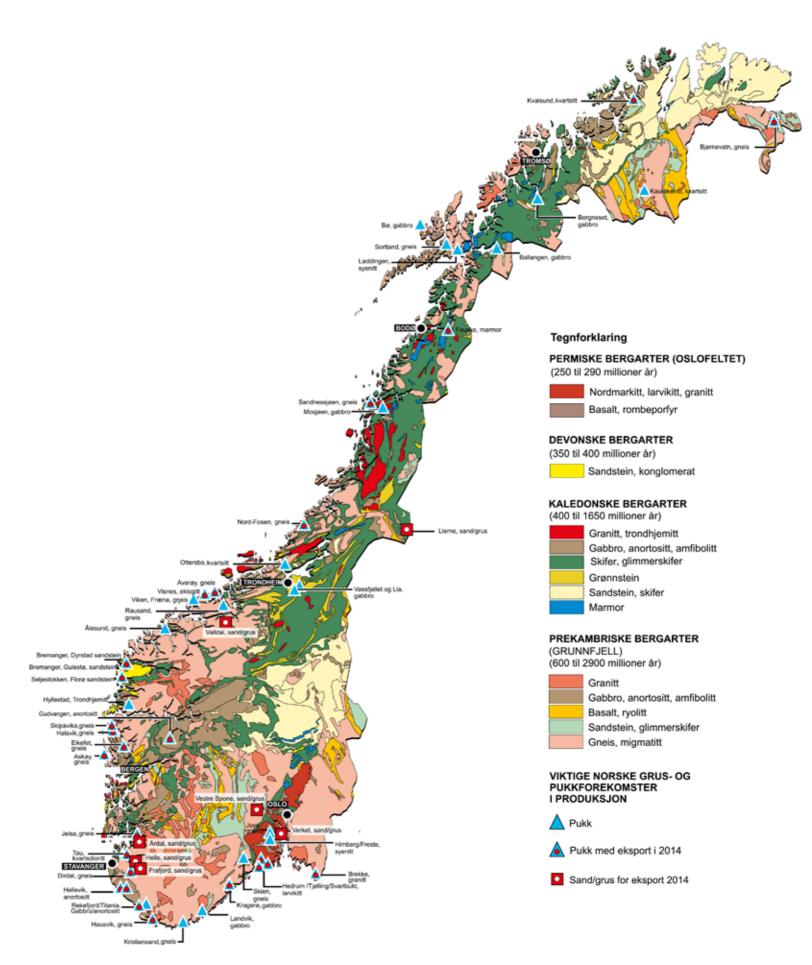


Fig. 1. Industrial classification of natural stone (types found in Norway).

THE BEDROCK OF NORWAY













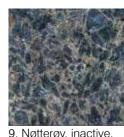




















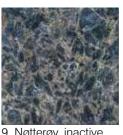












ve. 8. Bergan, inactive. 9. Nøtterøy, inactive.





Situation map

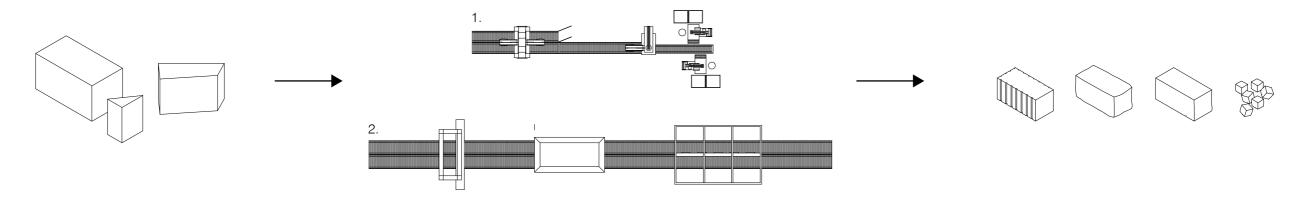
- The proposed stone factory
 Quarry waste-pile
 Workshops and storage of "raw-blocks"
 Gravel production from waste material
 Garage







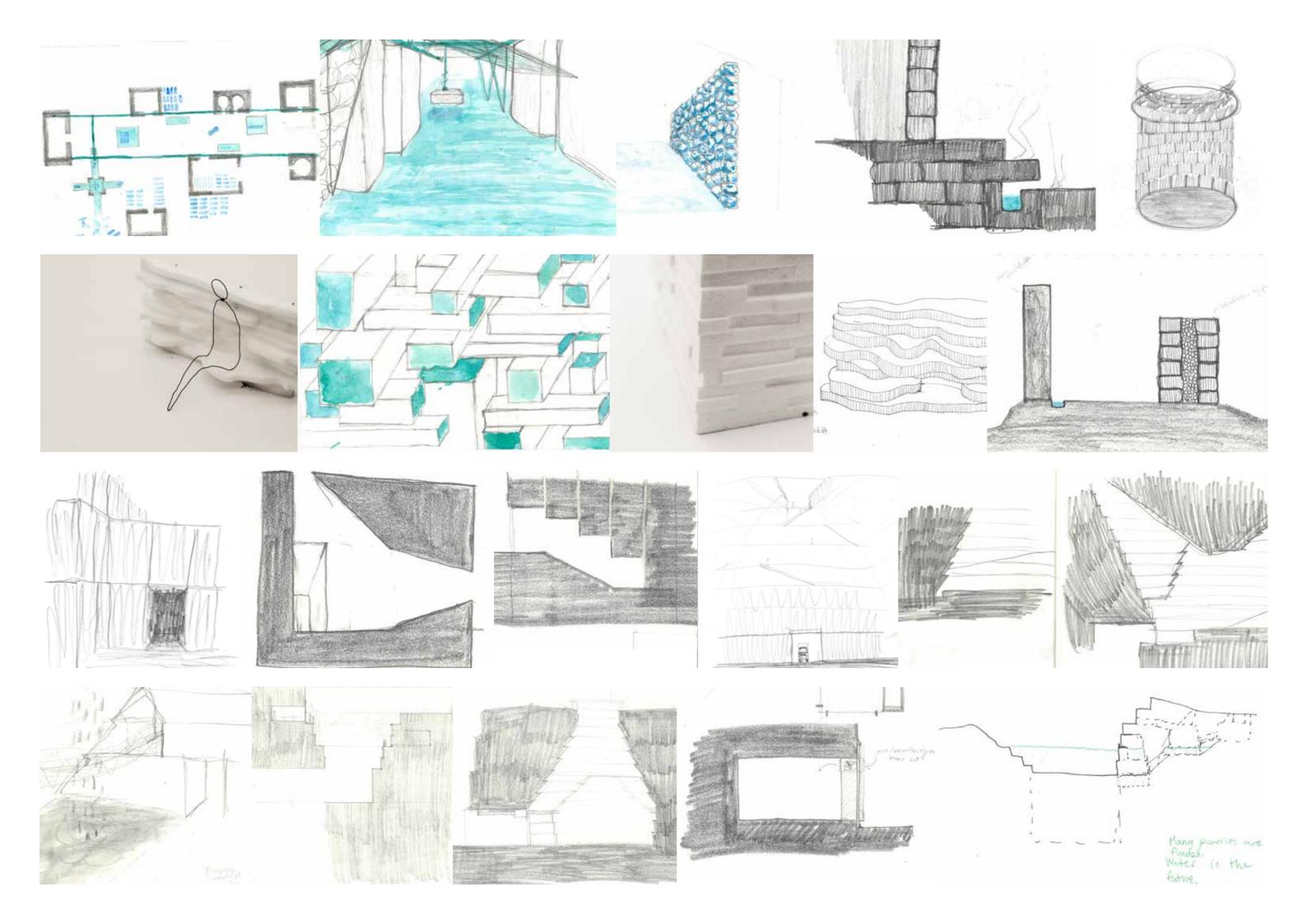
The factory producing building- and paving-stones from waste material:



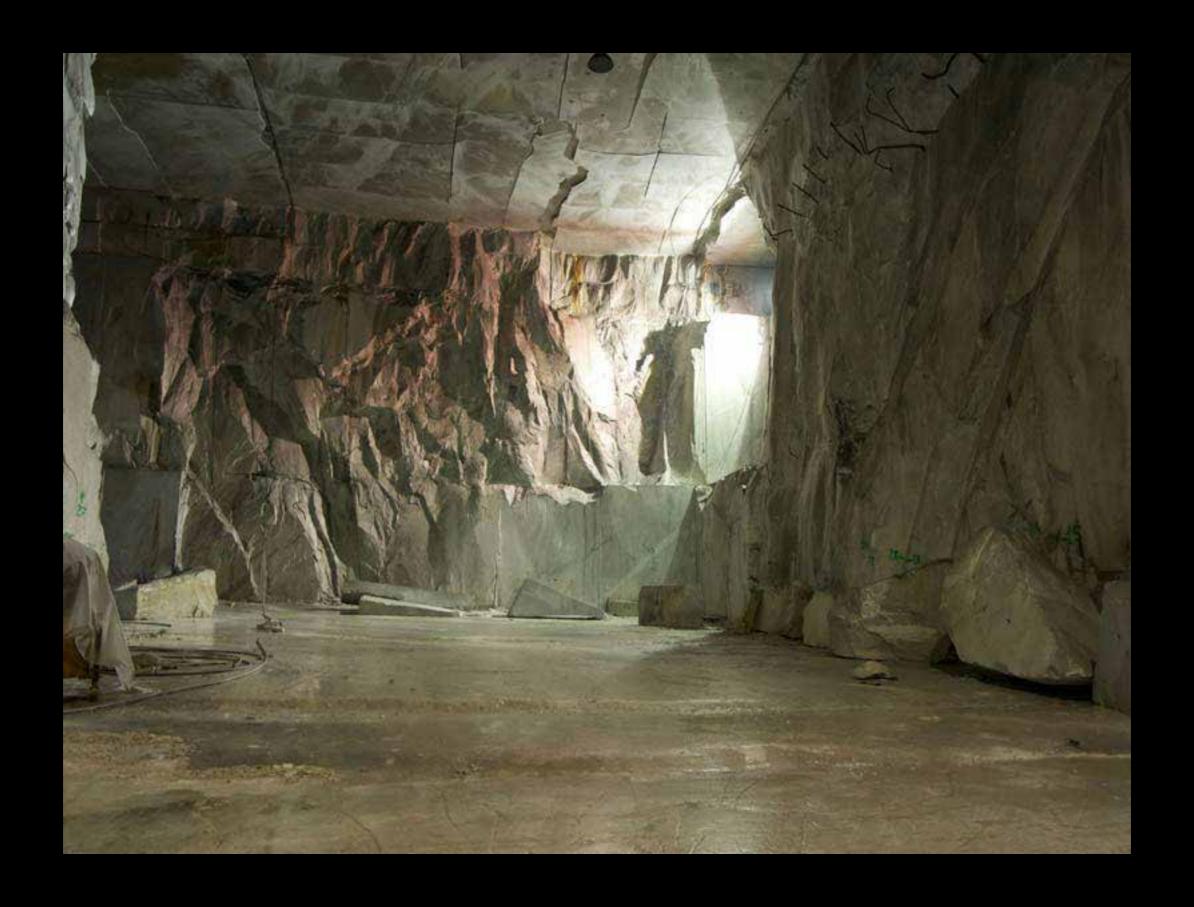
Stone considered waste

- Splitting line: large splitting machine; medium splitting machine; two smaller splitting machines
 Saw line: Large wire saw; Water jet for surface finishing; Multi-blade saw

Finished products in sizes up to 1 x 1 x 2,5 m.

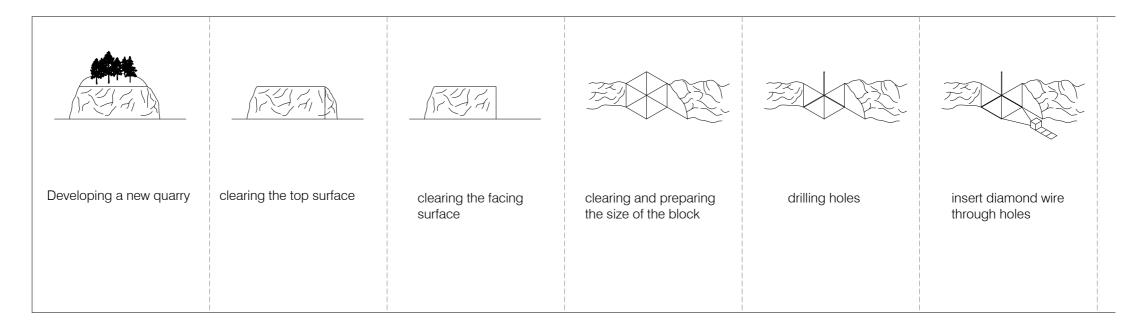


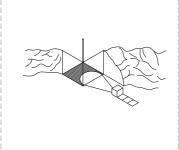


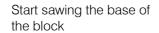


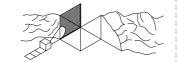


The Quarry extraction process









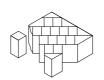
then sawing the sides of the block



cut the large block into smaller blocks, about 8x6x2 m



the blocks are divided into smaller blocks for transporting

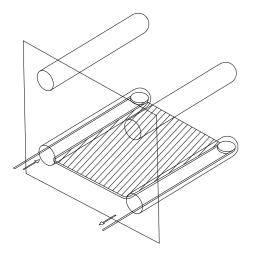


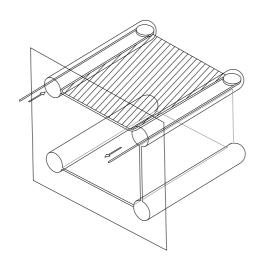
the blocks are divided by the intention to use as much of the stone as possible and to avoid "mistakes"

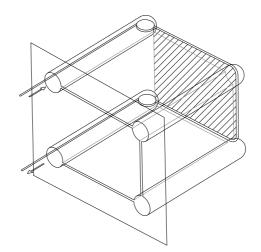


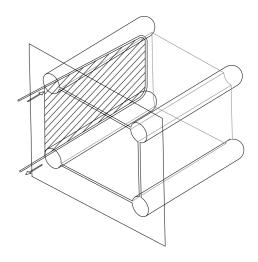
preferable raw block dimensions are 1500 x 1800 x 3000 mm. The blocks containing flaws or unwanted shapes are discarded to the waste pile.

Diamond-wire saw cutting from one side

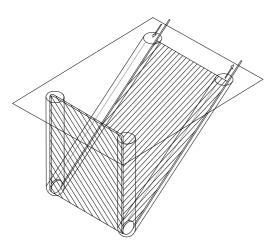


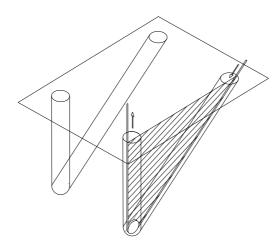


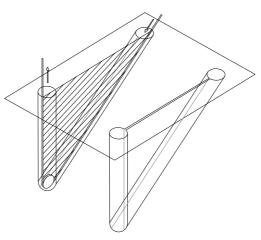




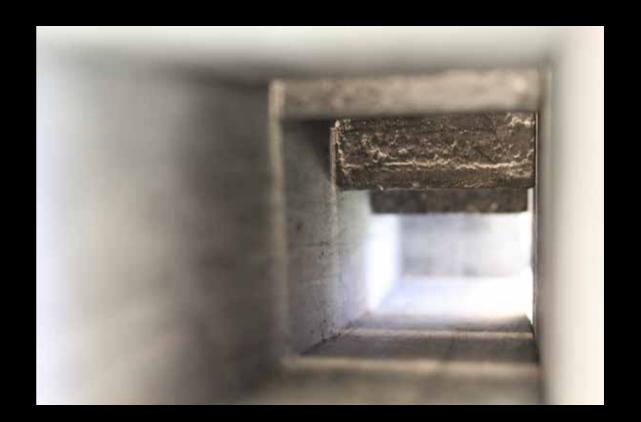
Diamond-wire saw cutting slope



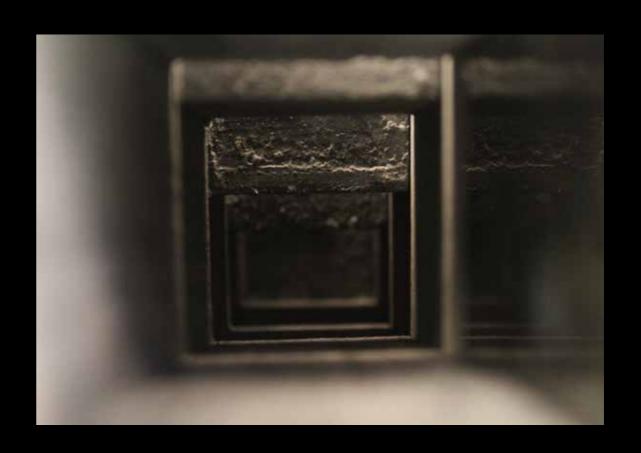


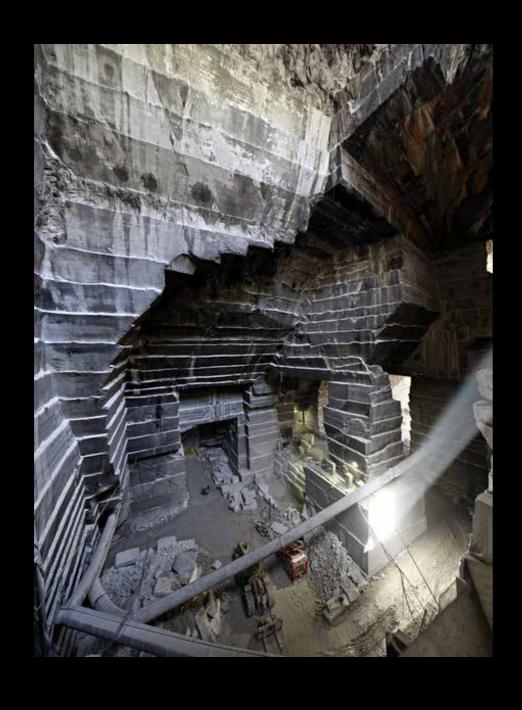


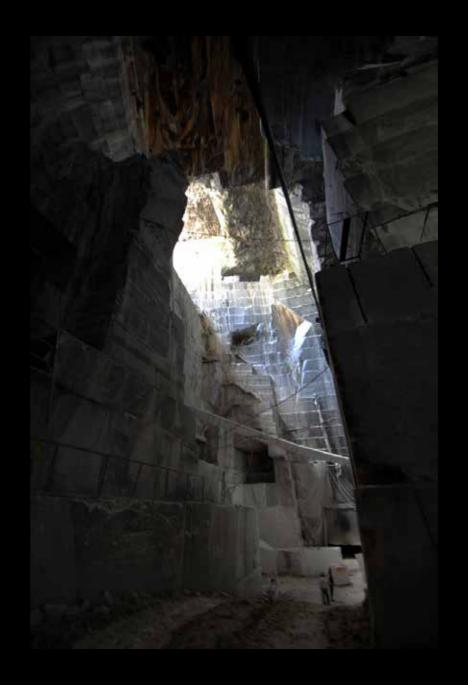






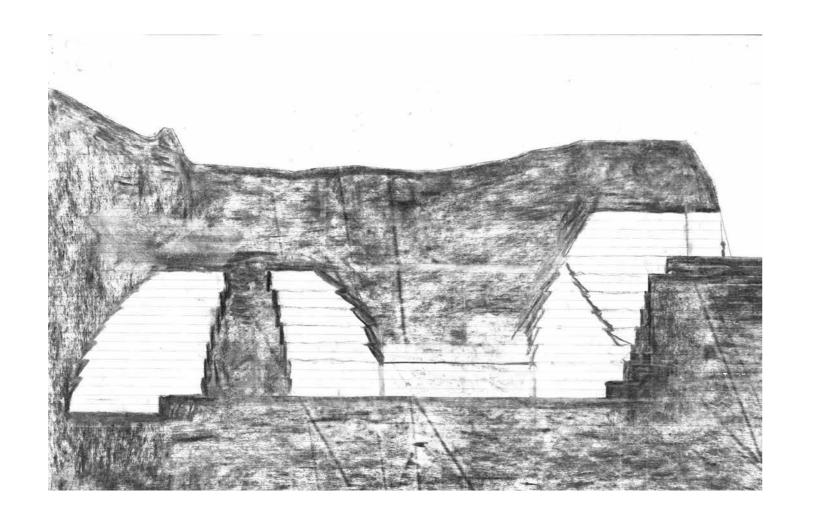


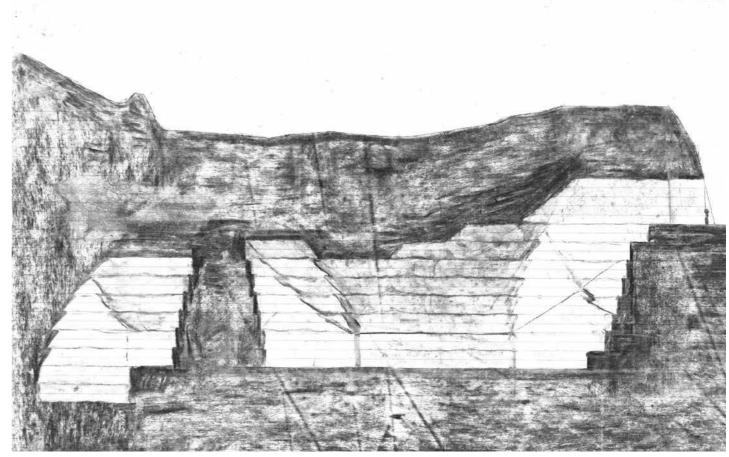


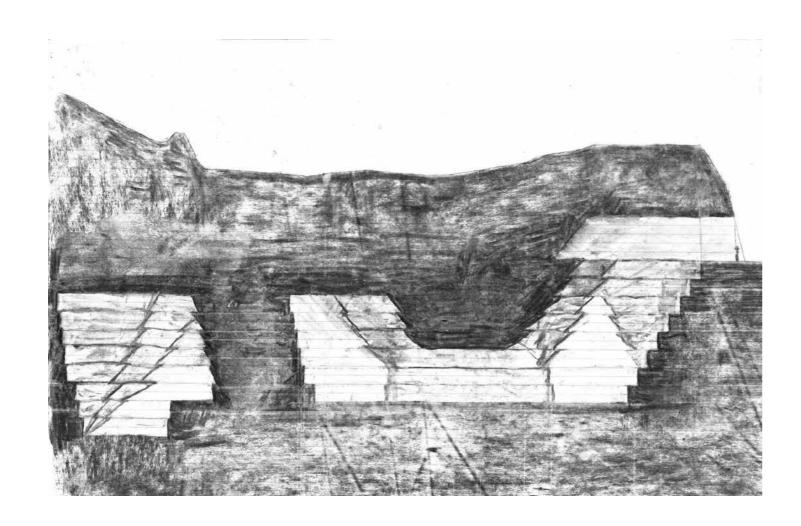


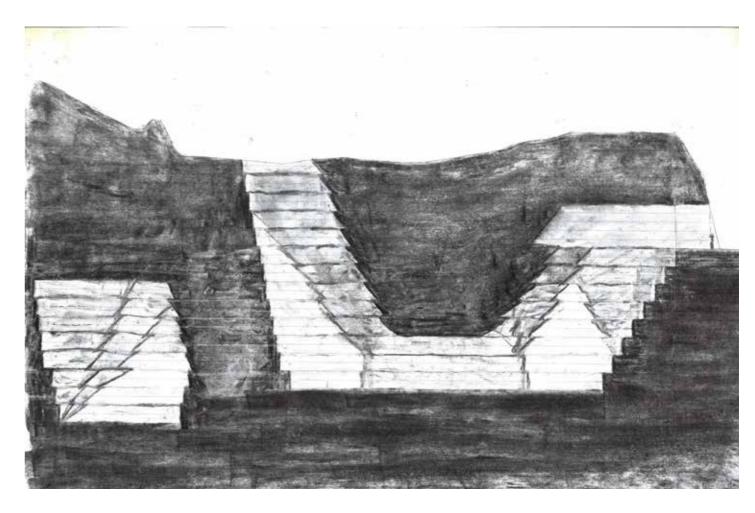




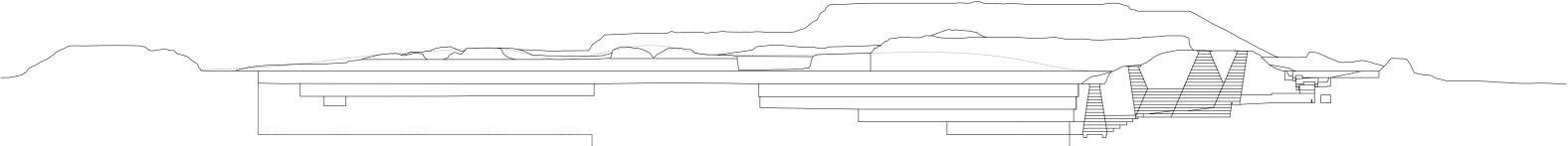












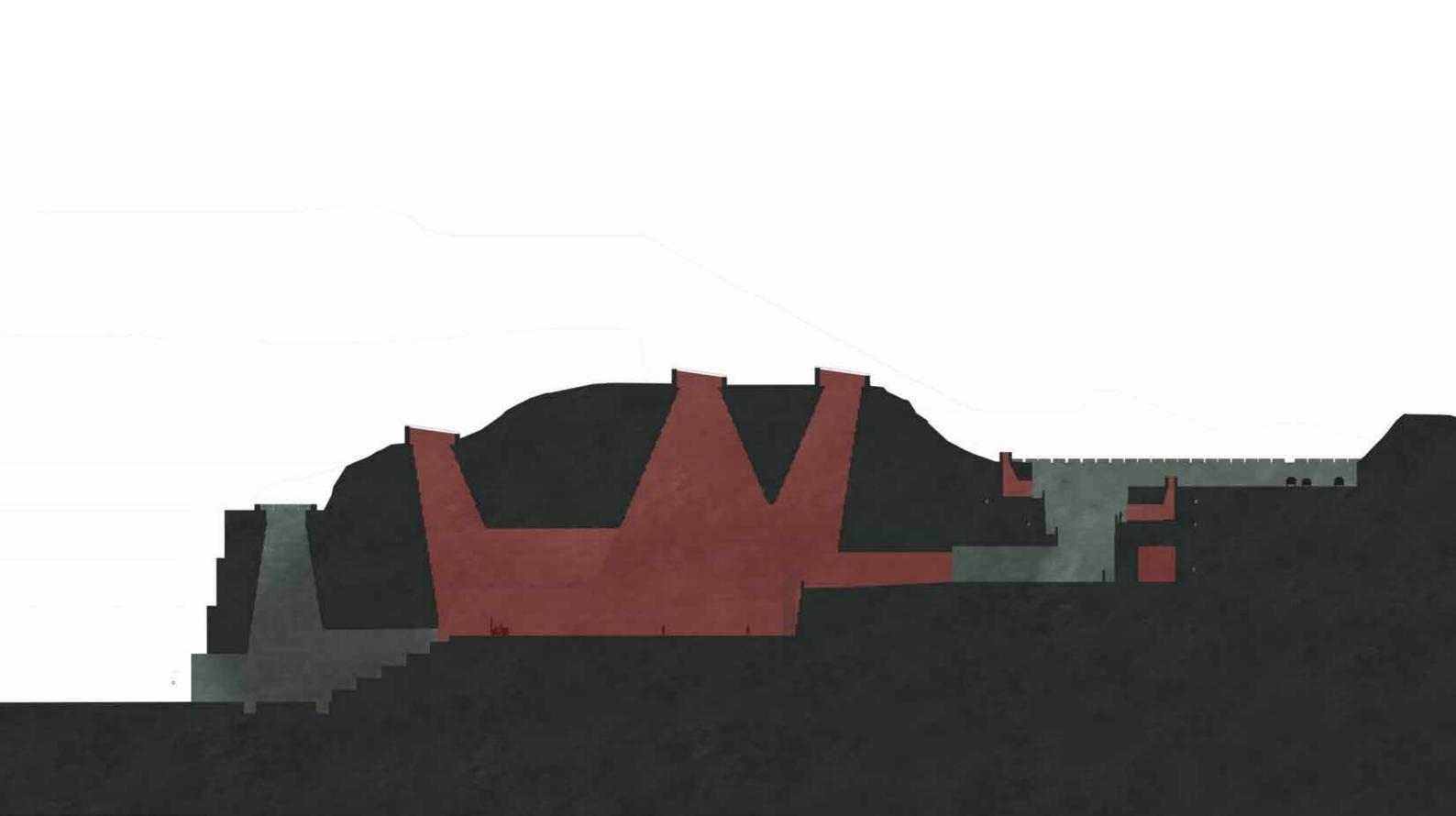
The quarry in the past, present, and future:

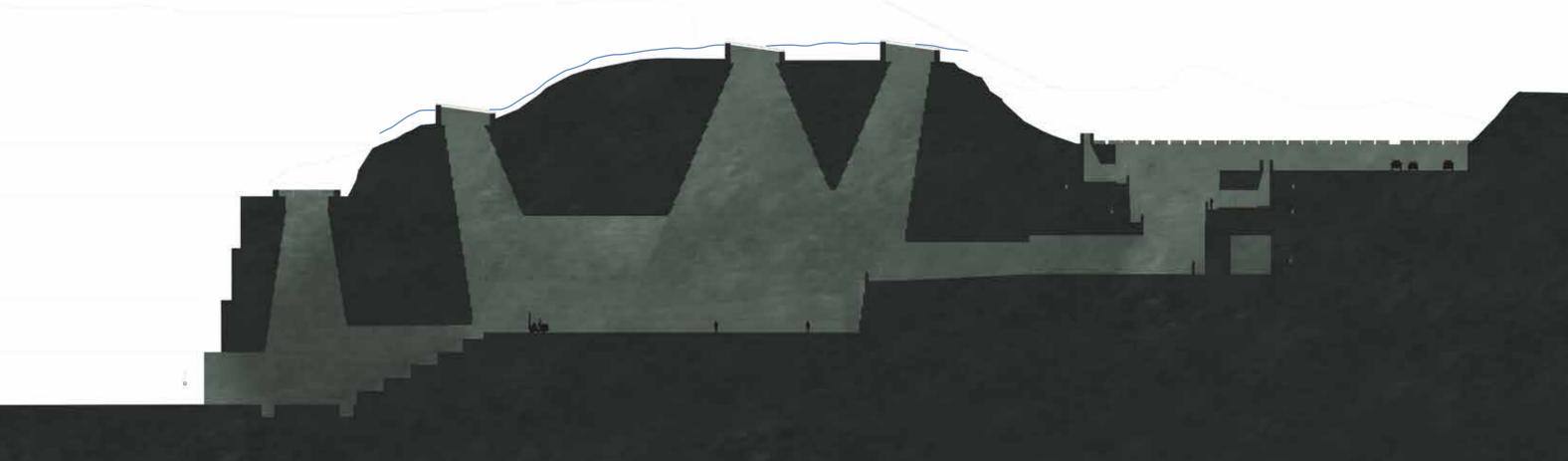
100 years ago
Quarry today
100 years in the future

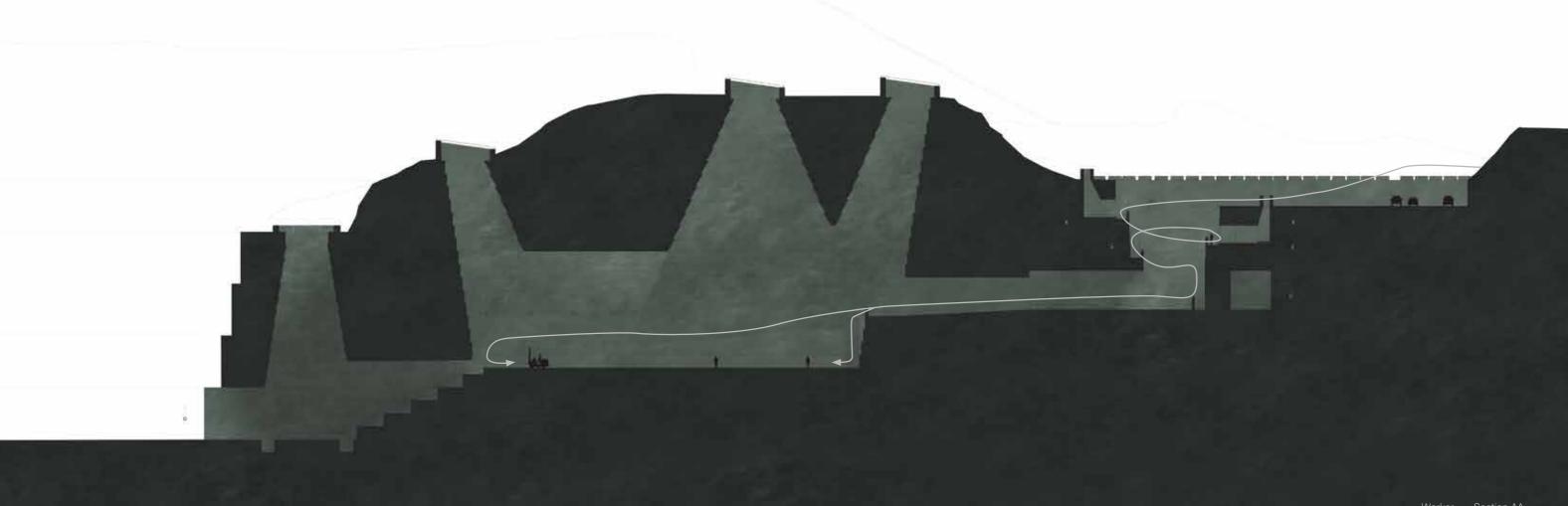


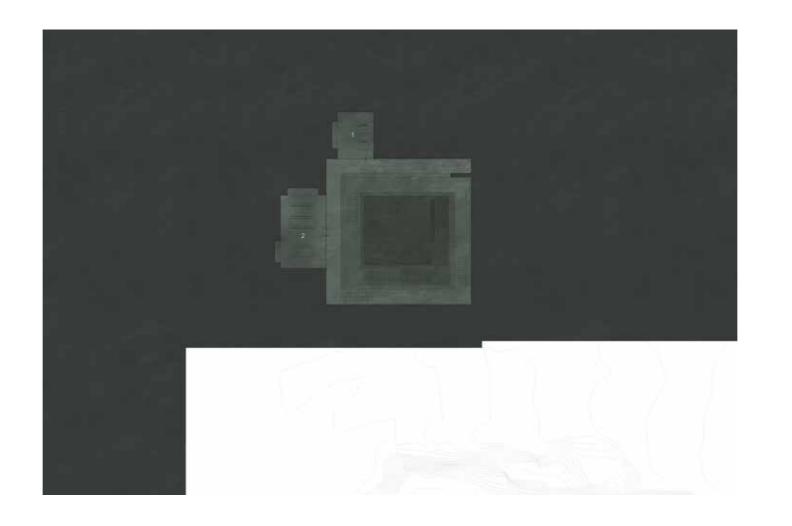


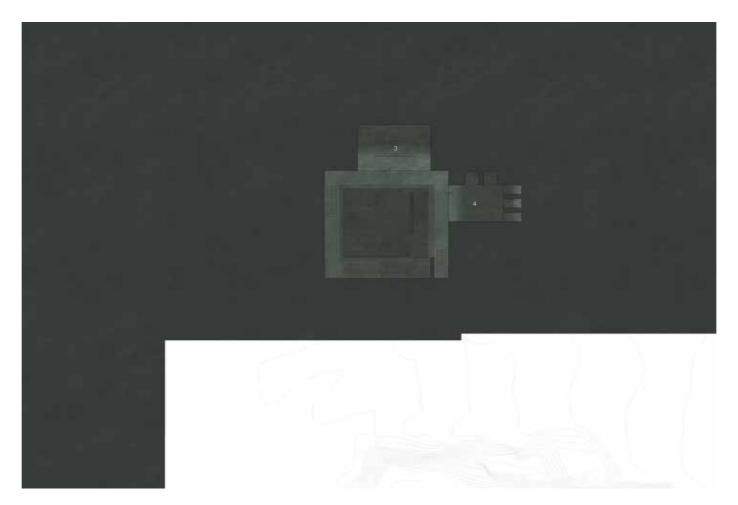






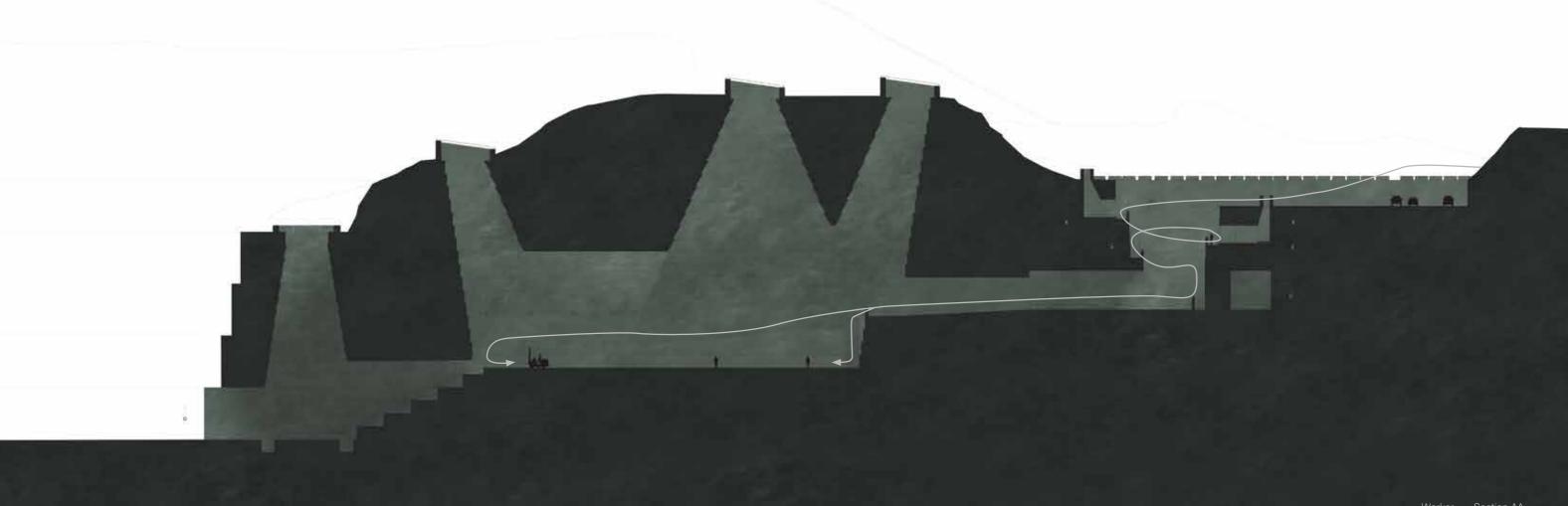


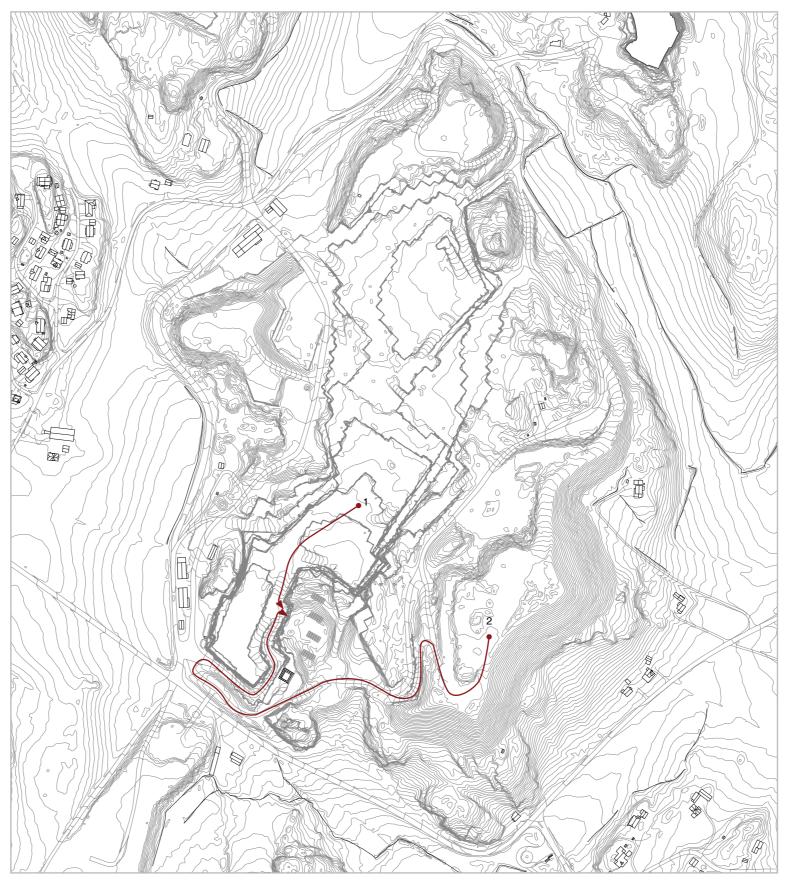




- Office
 Kitchen
 Meetingroom
 Changing rooms and bathrooms





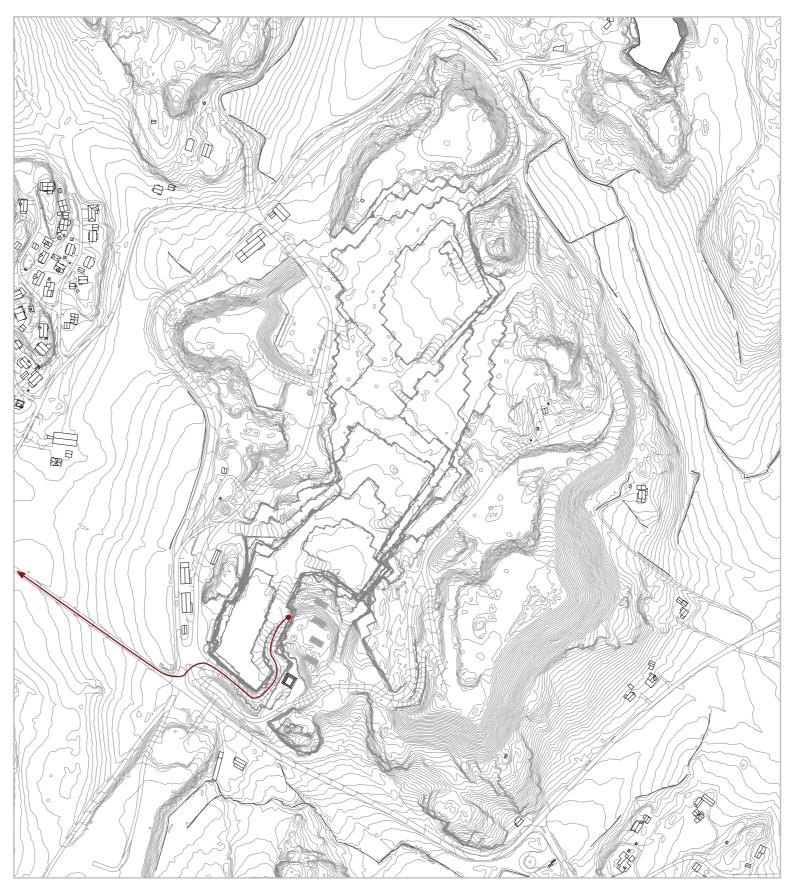


Stone transported to the factory: 1. From the quarry 2. From the quarry waste-pile





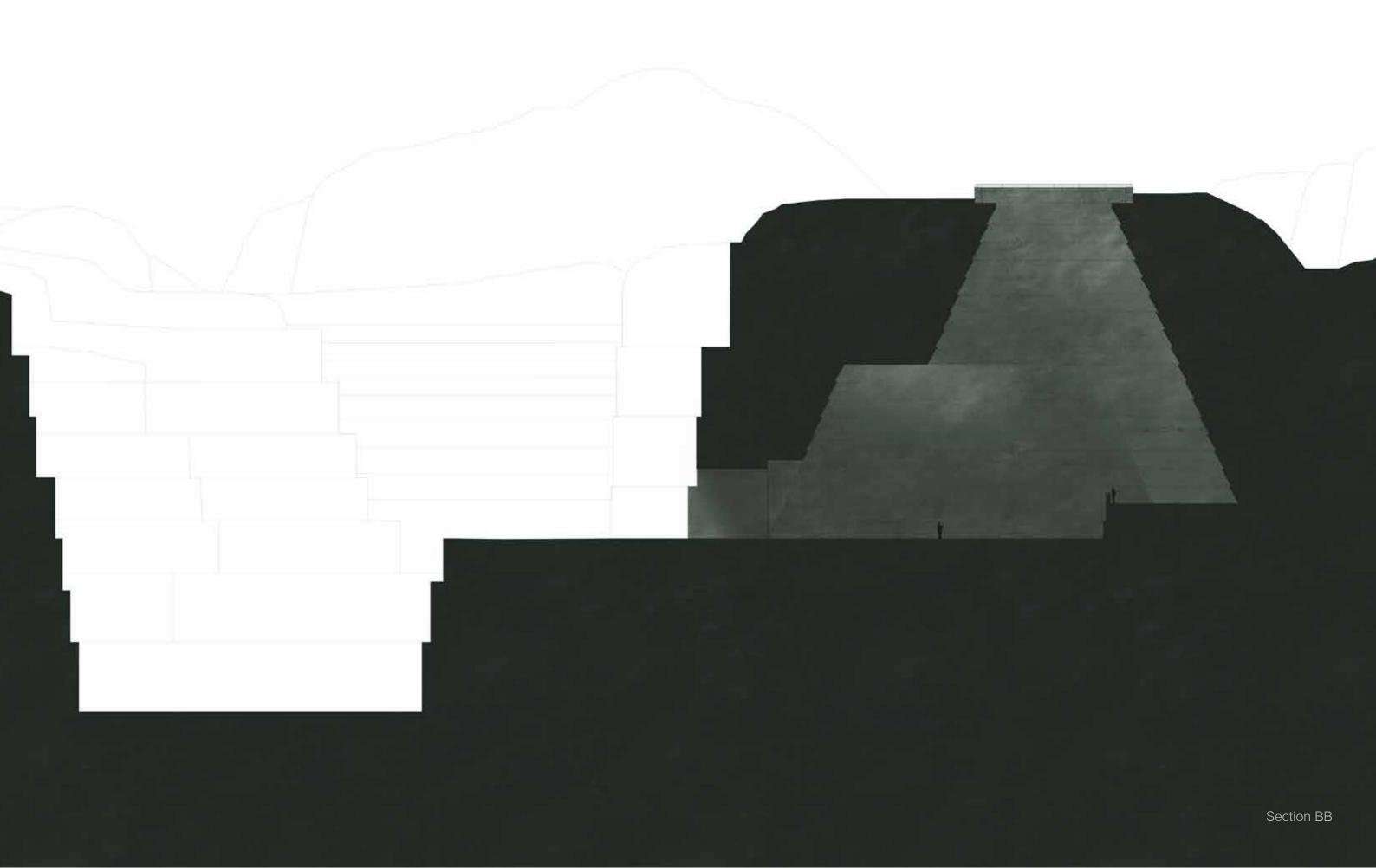
Transporting products to: Exhibition storage Outside storage

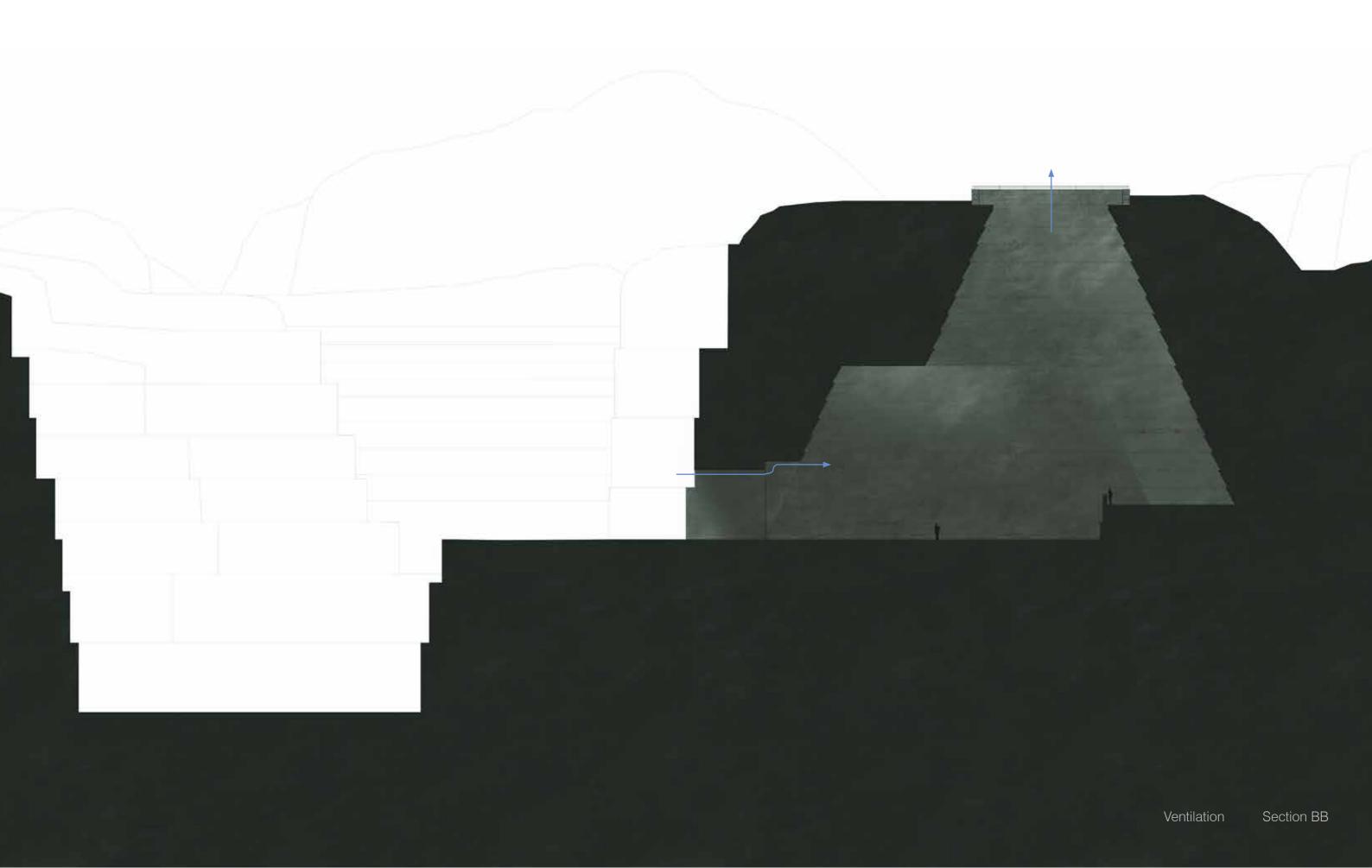


Stone transported from the factory to the buyers



- Water and septic tanks
 Storage and exhibition space
 Production hall
 Space for draining water







- Water and septic tanks
 Storage and exhibition space
 Production hall
 Space for draining water



Water path





