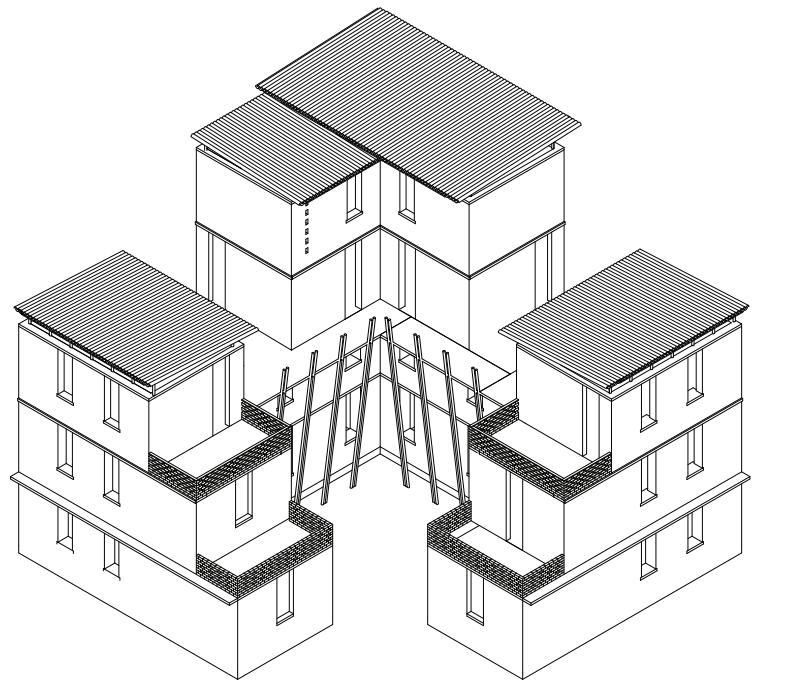
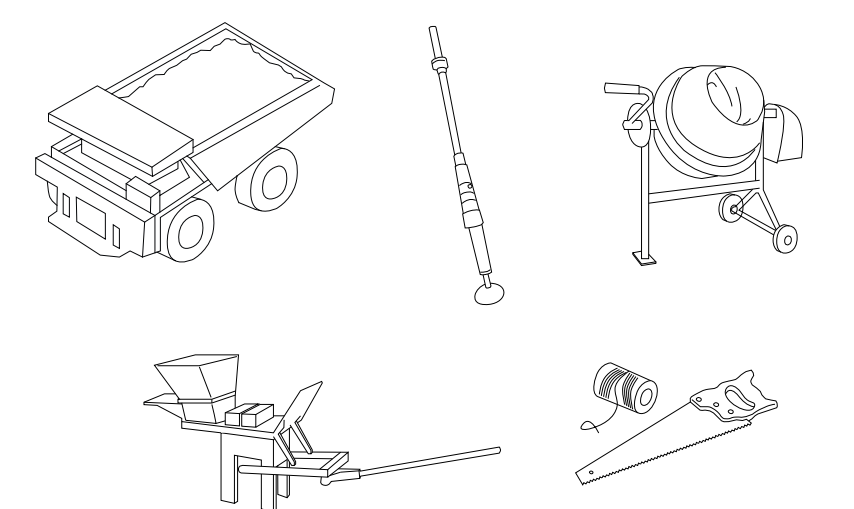
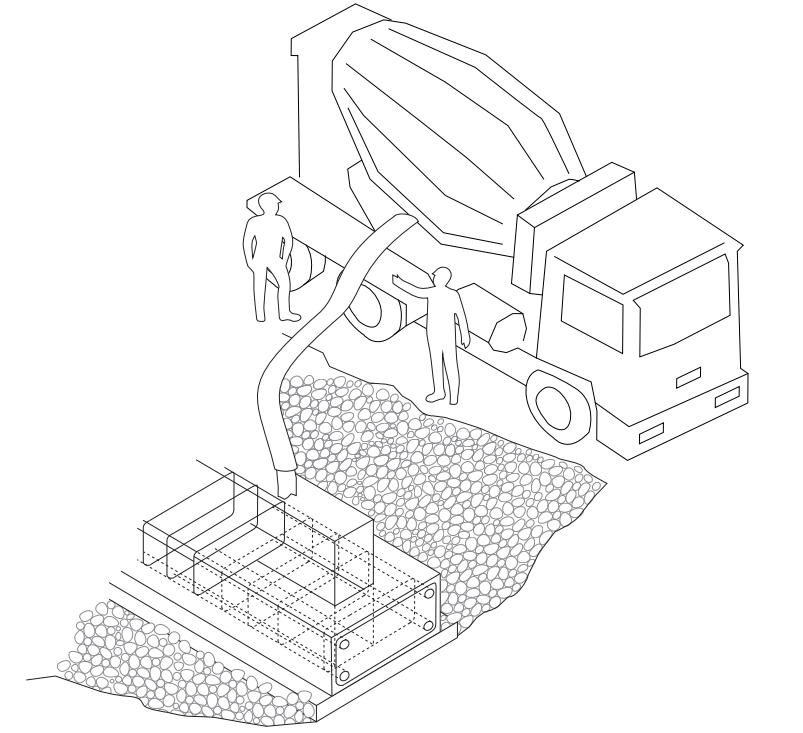
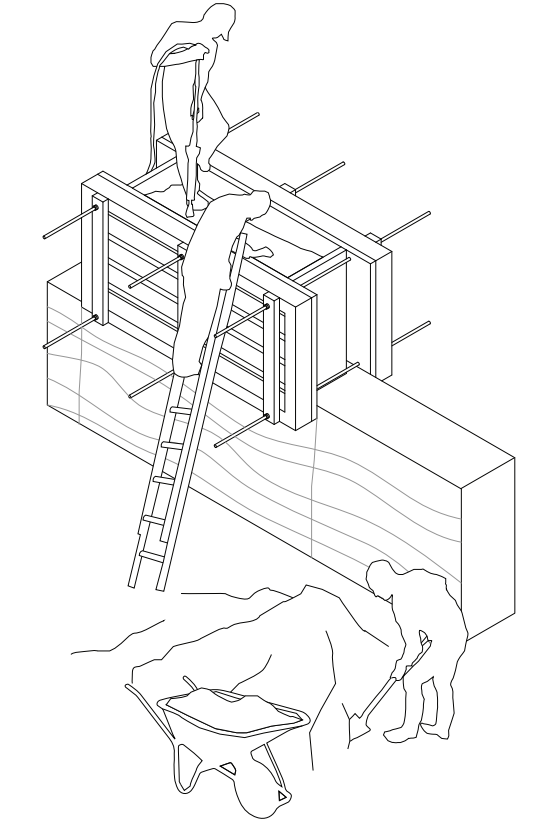
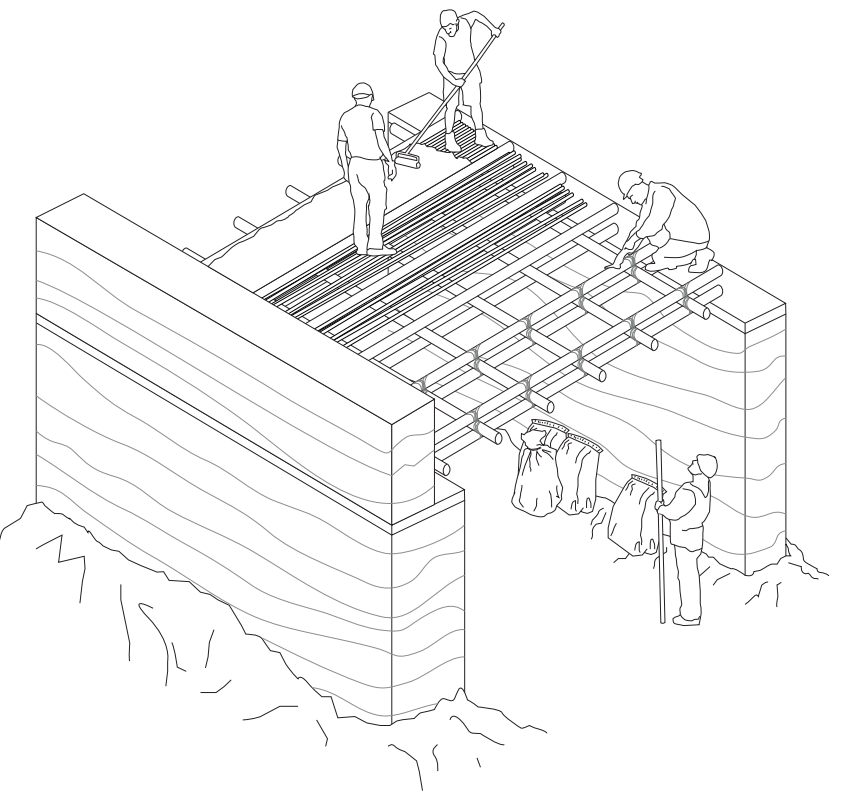
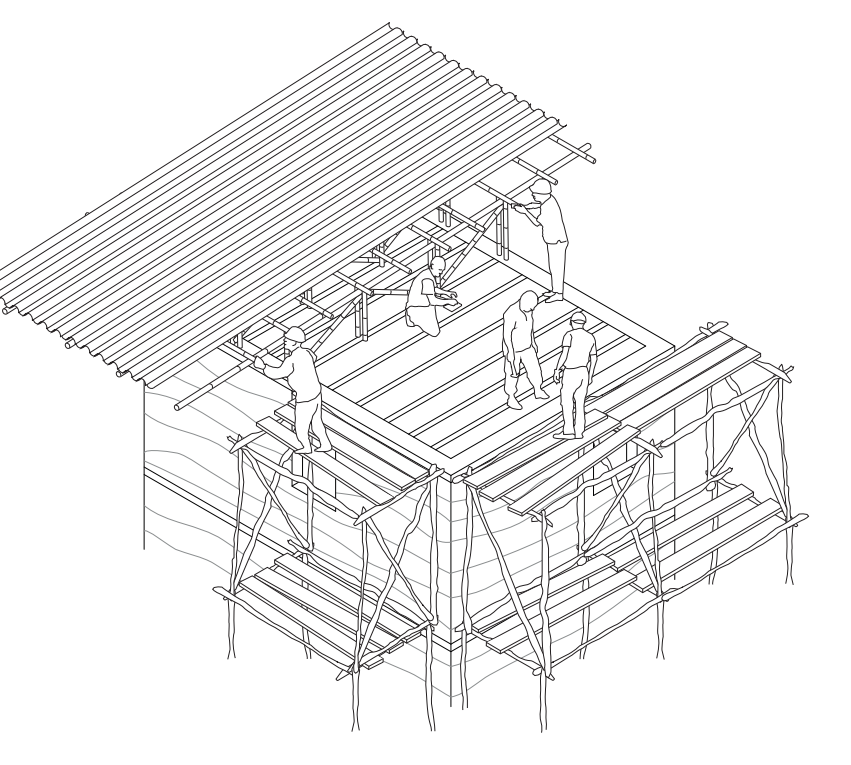
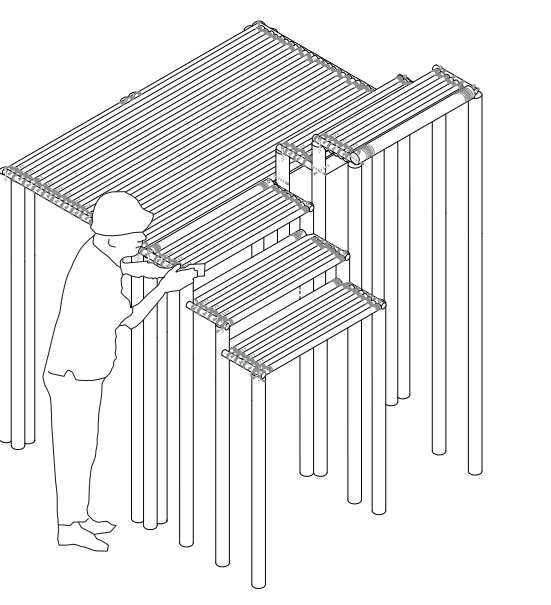

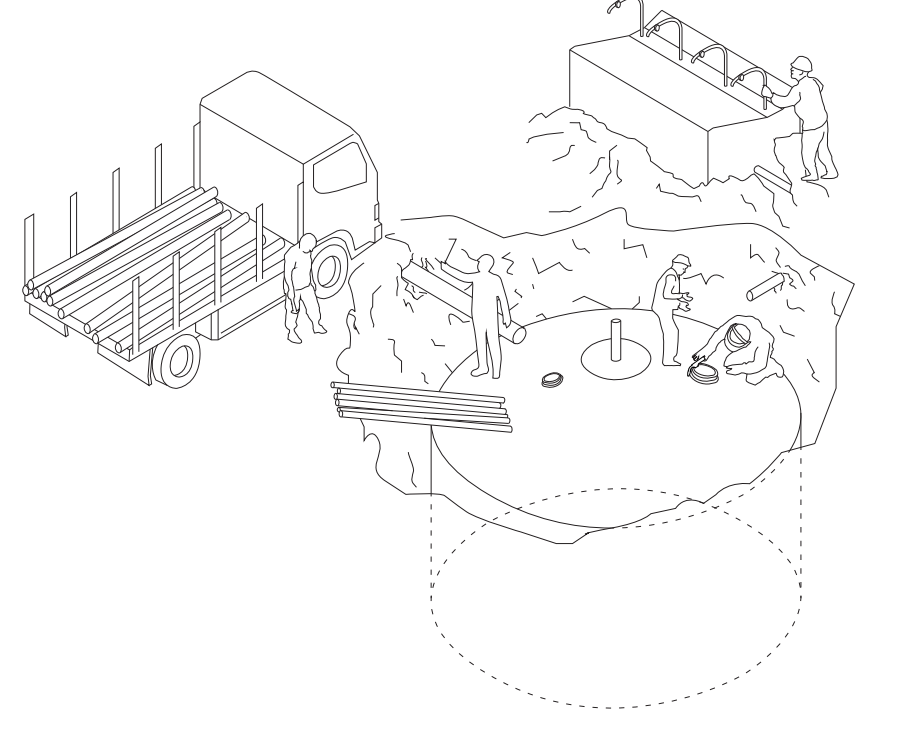
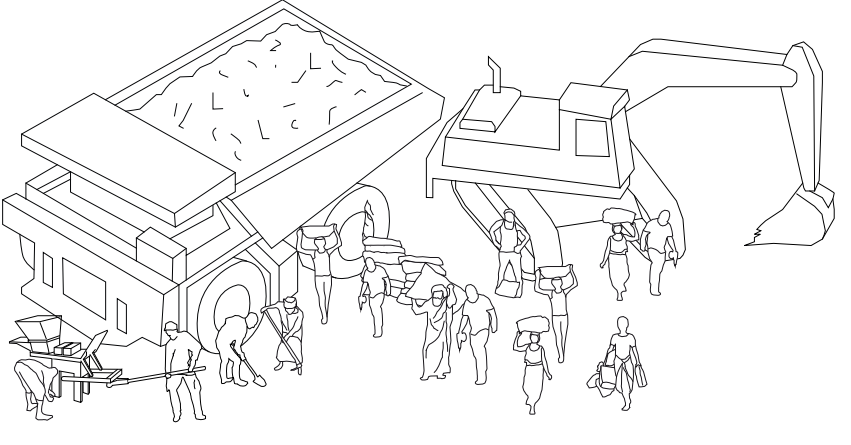
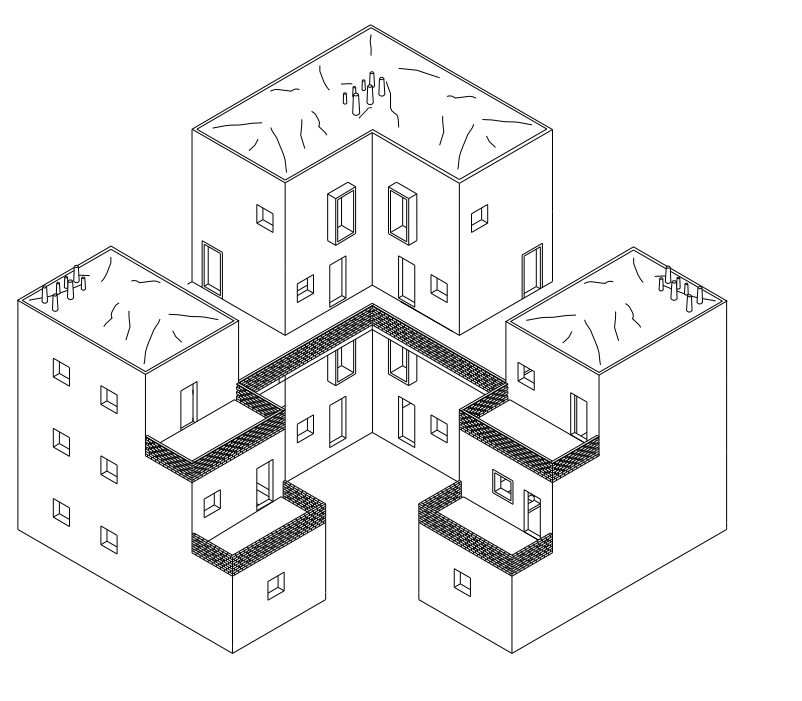
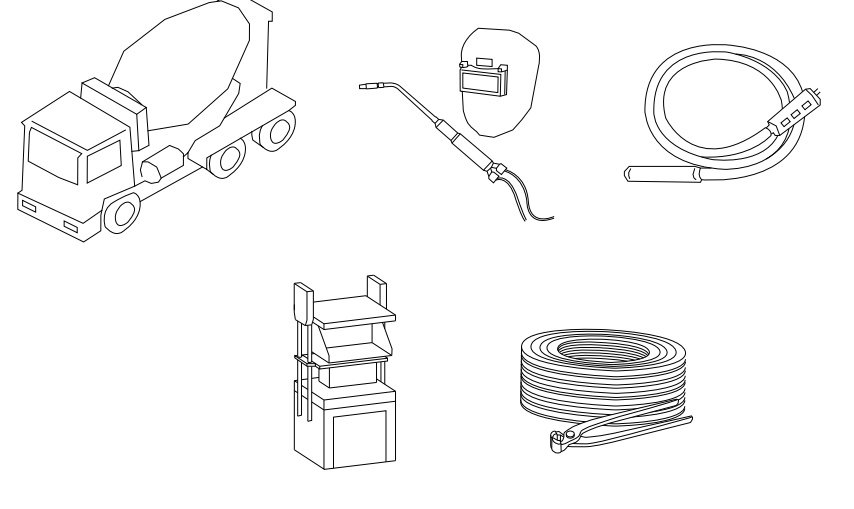
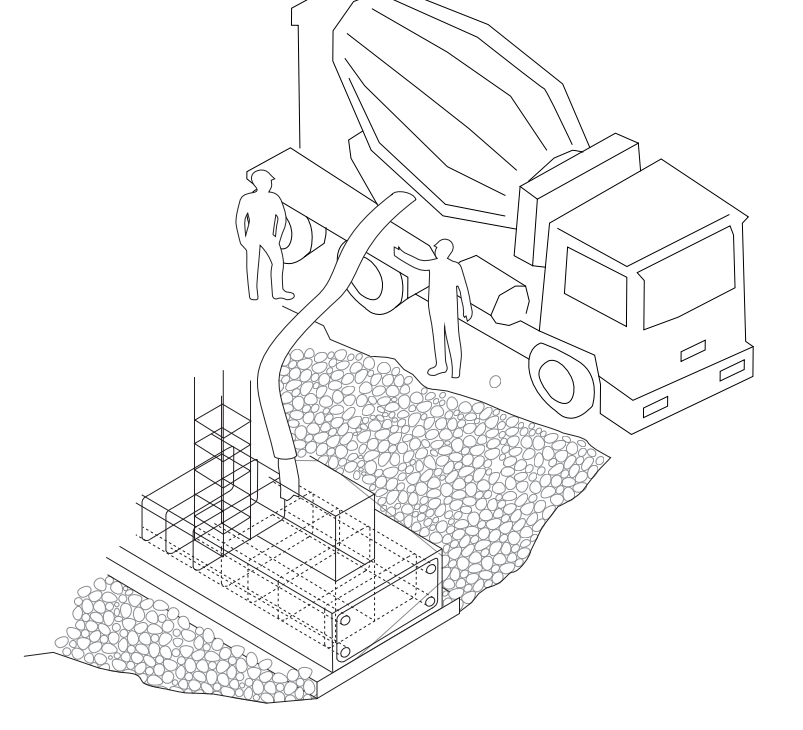
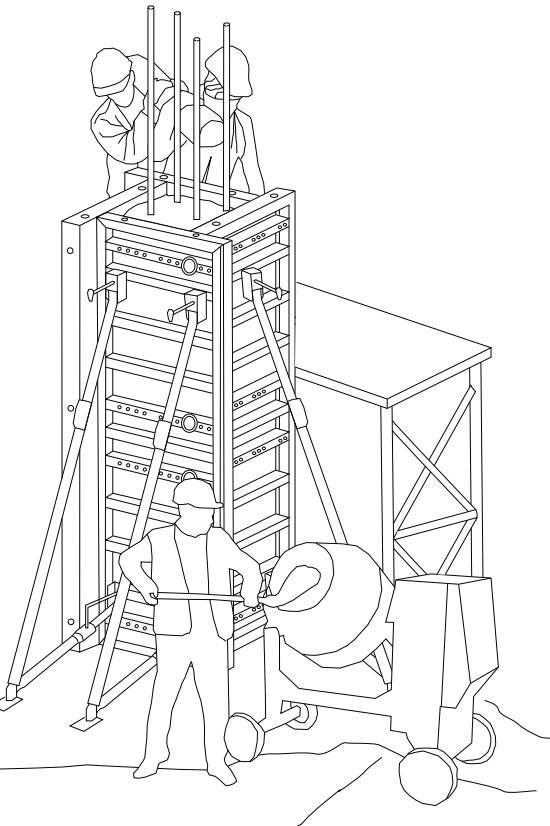
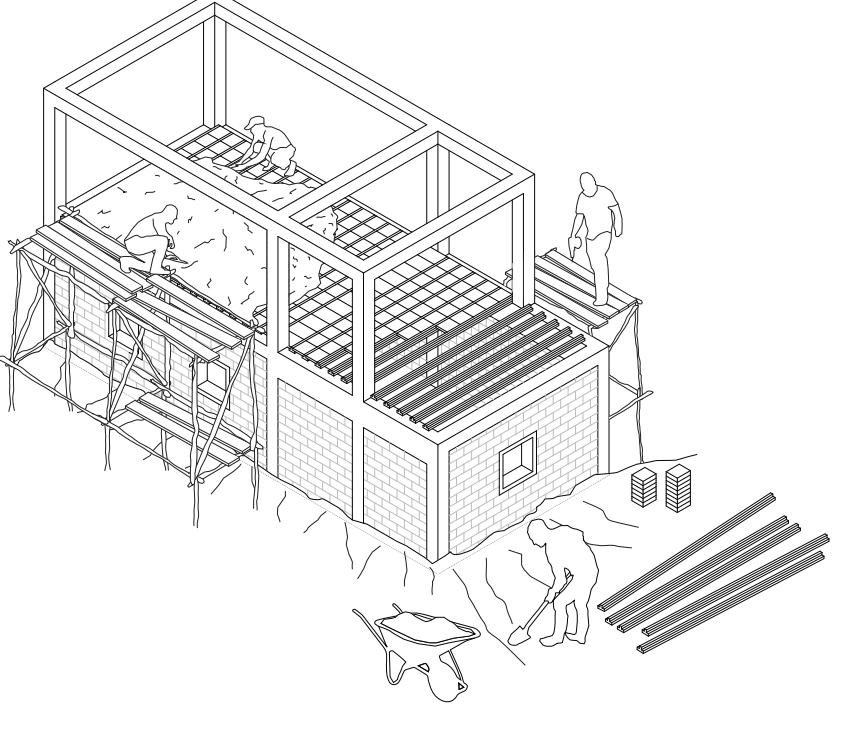
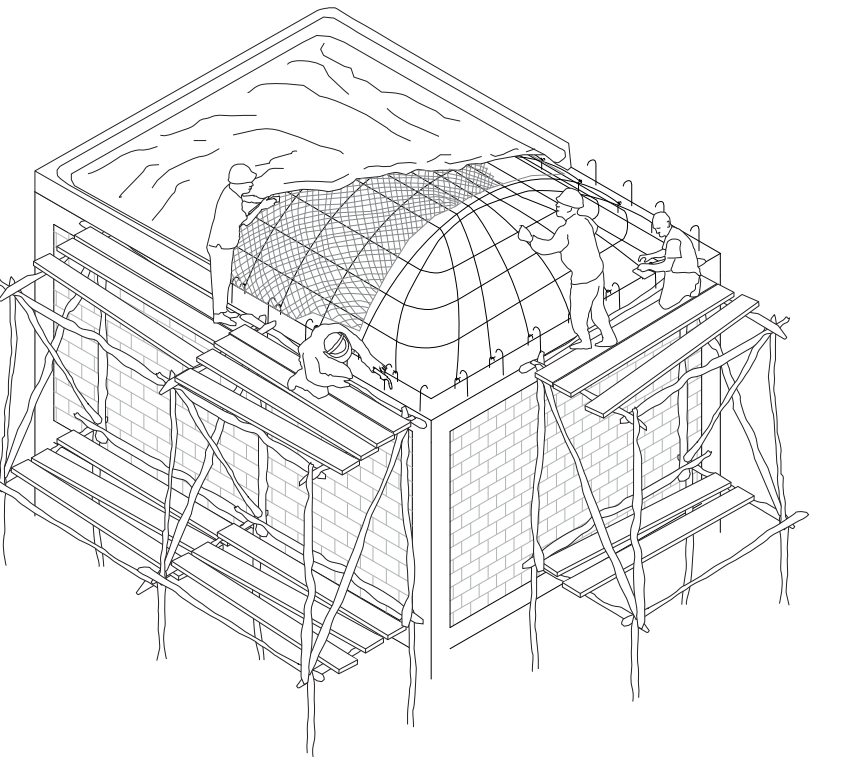
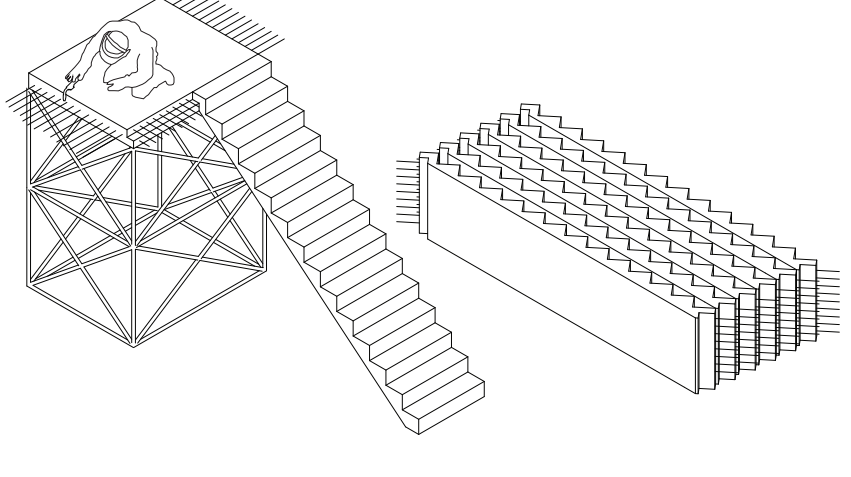

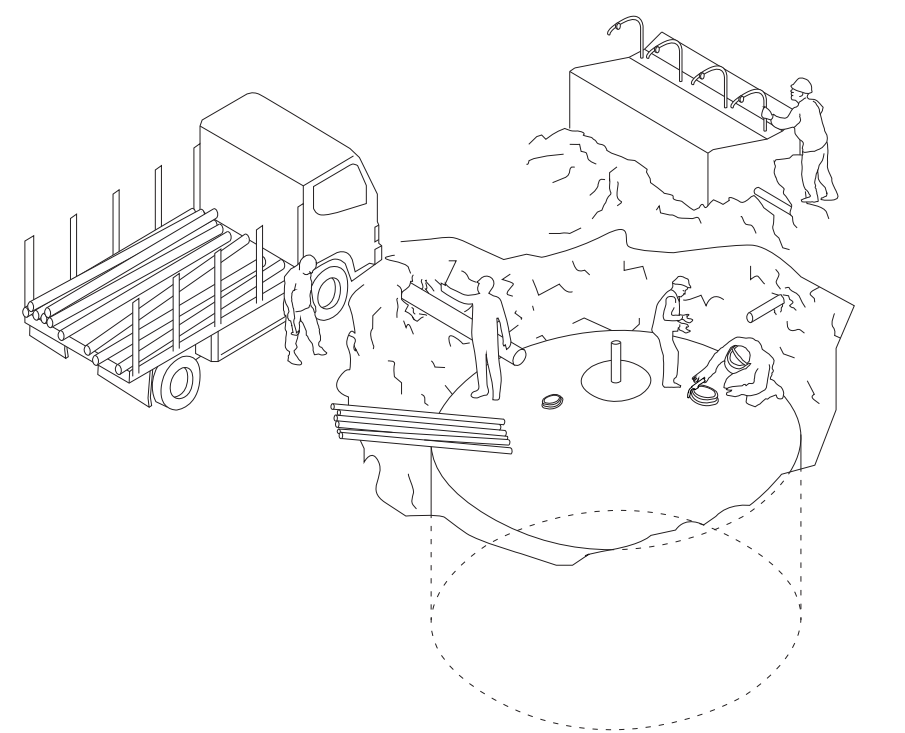
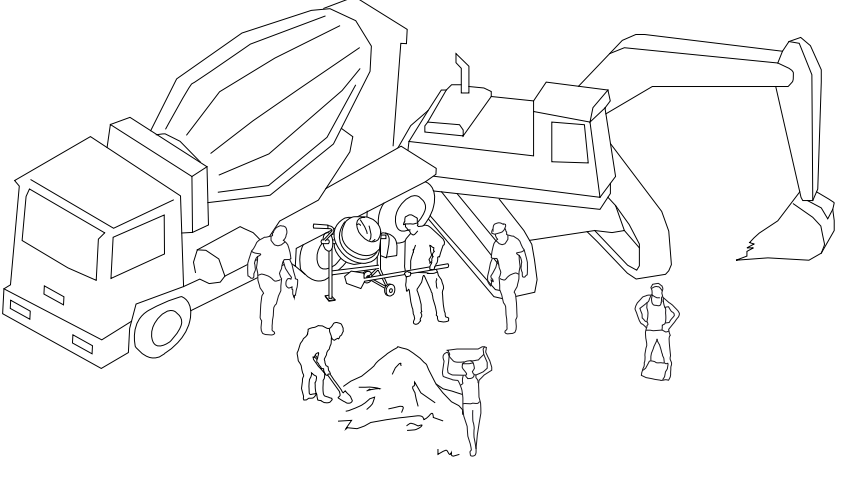
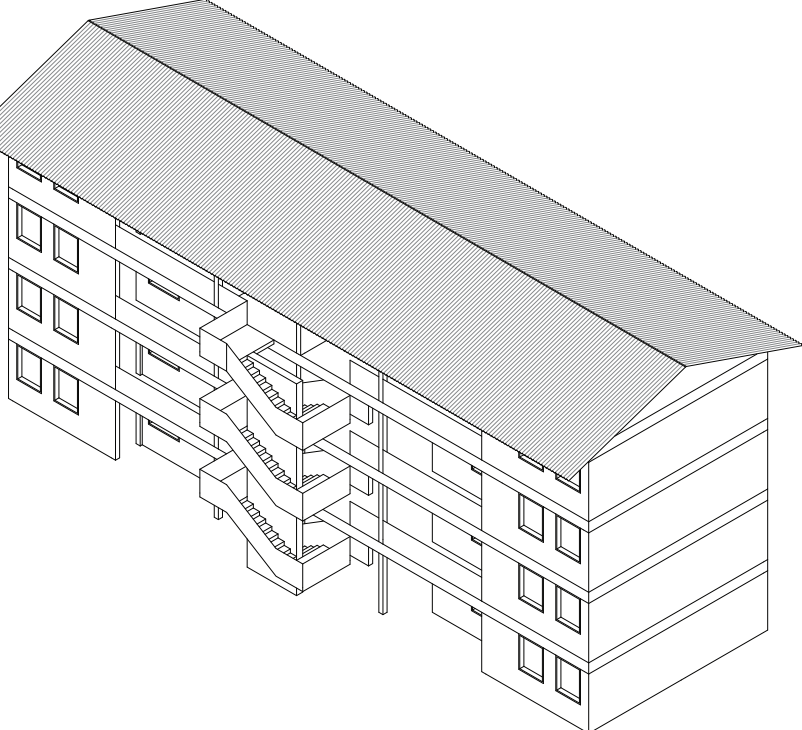
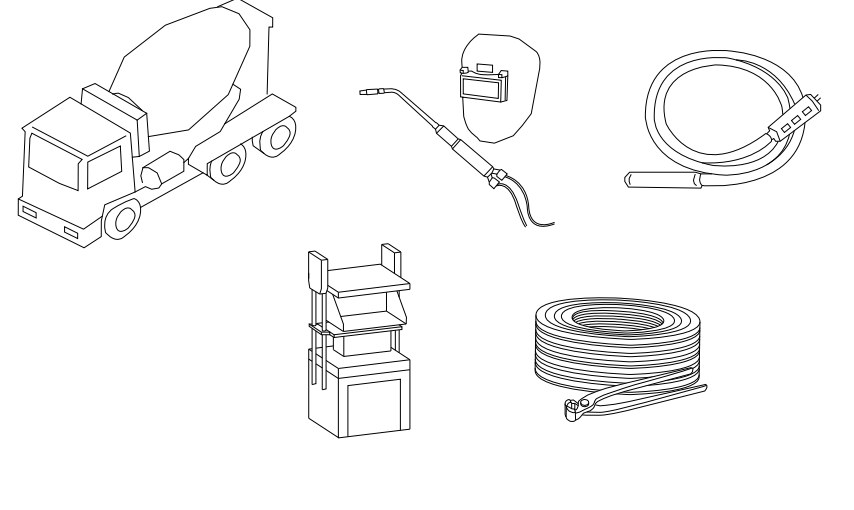
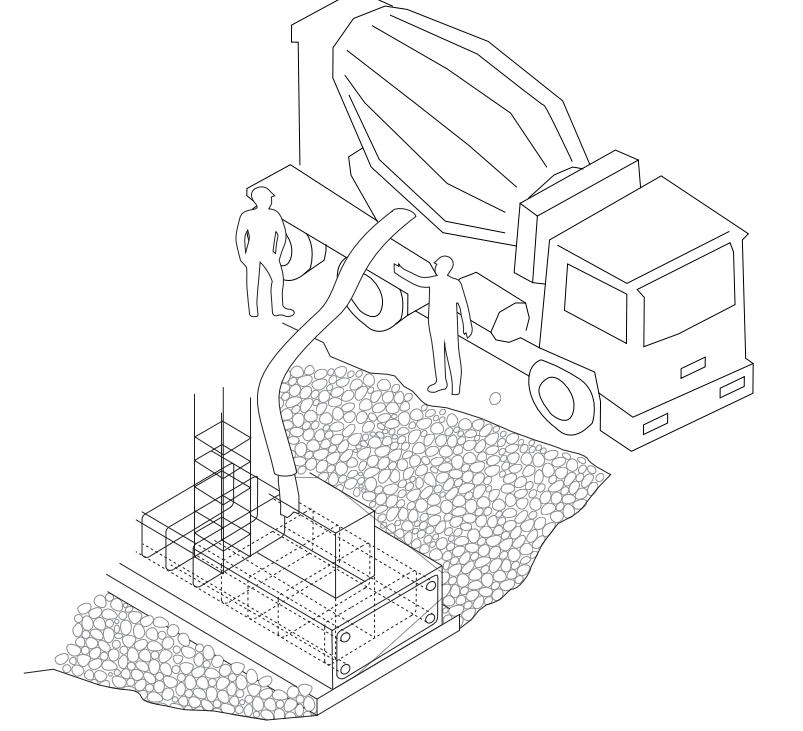
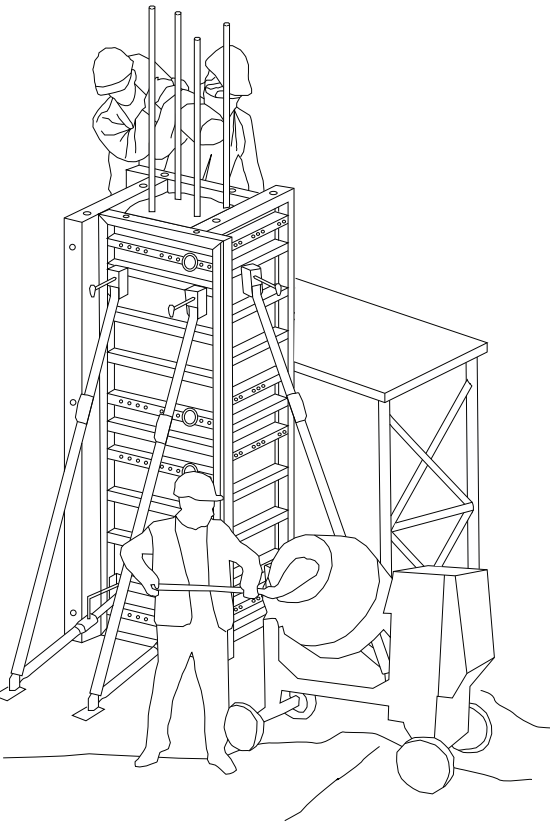
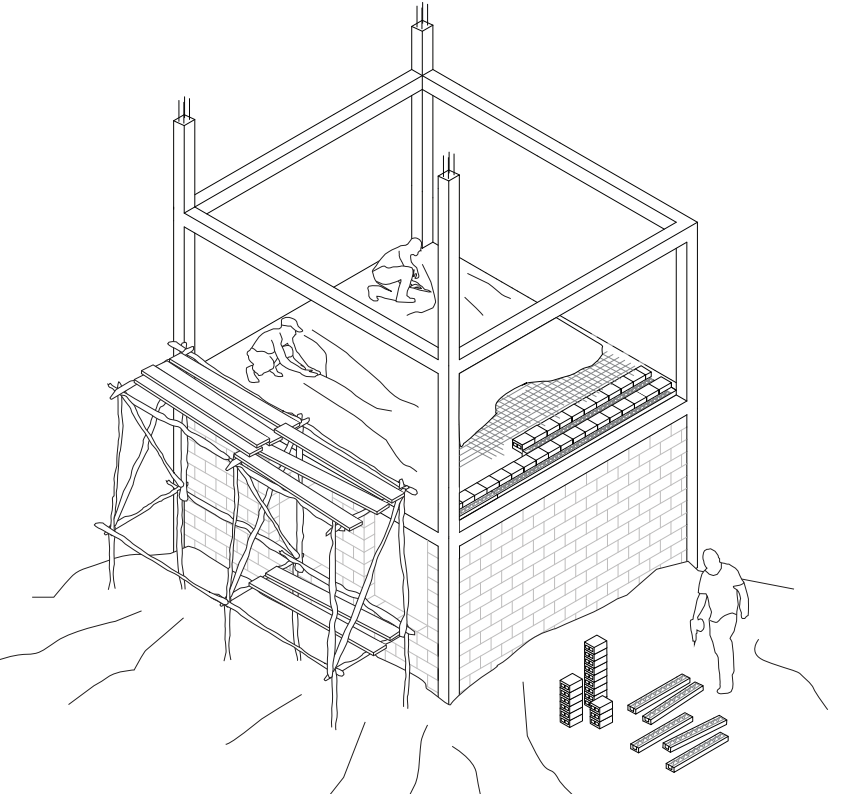
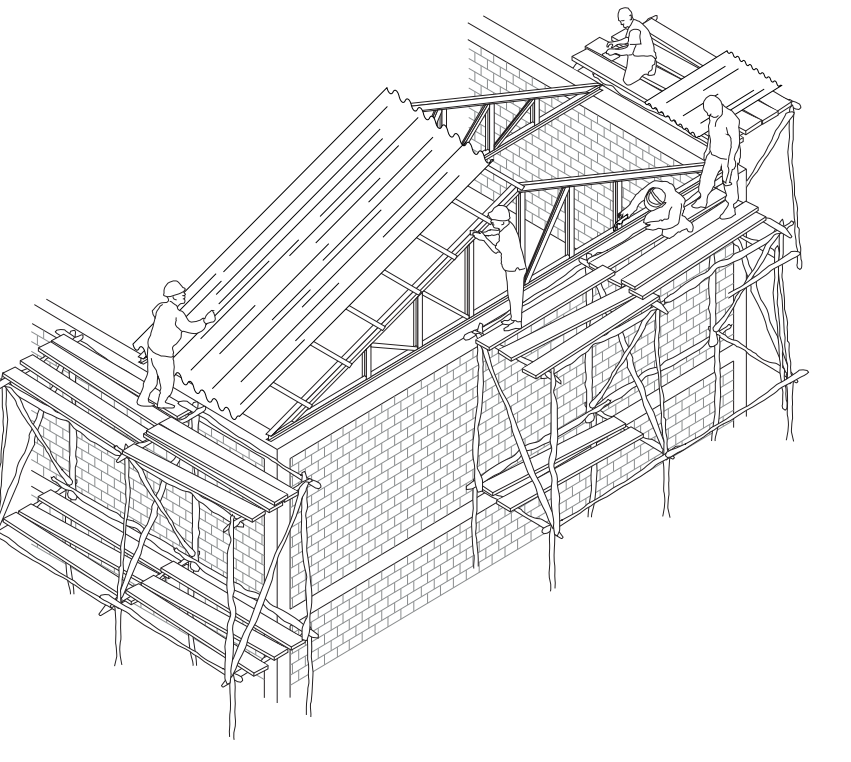
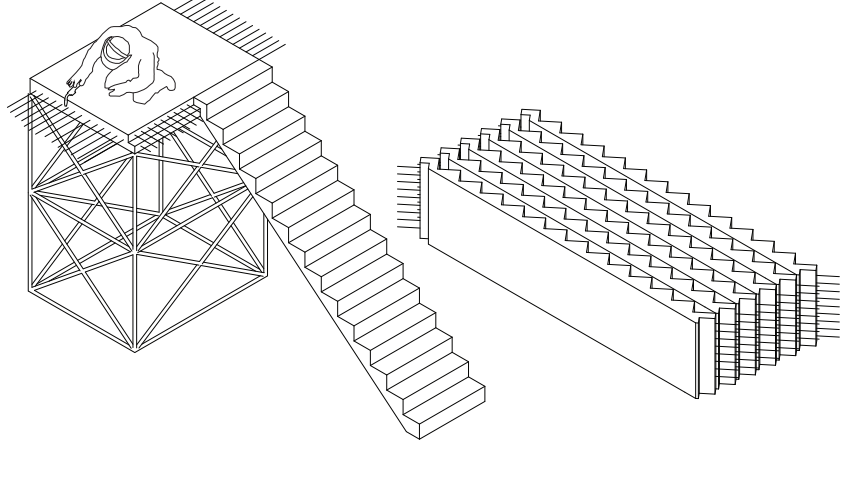

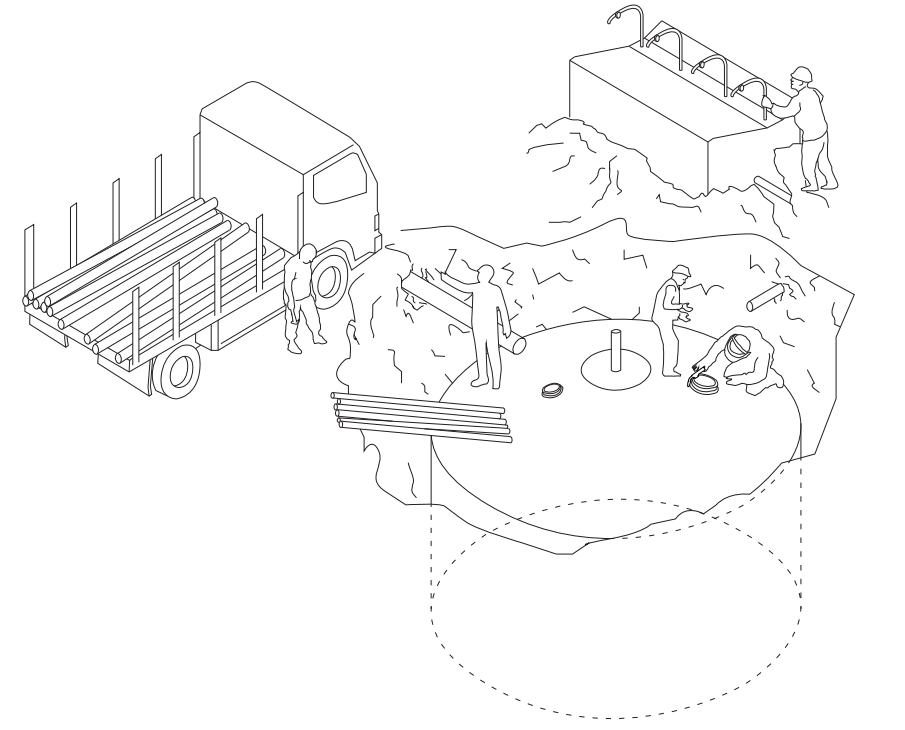
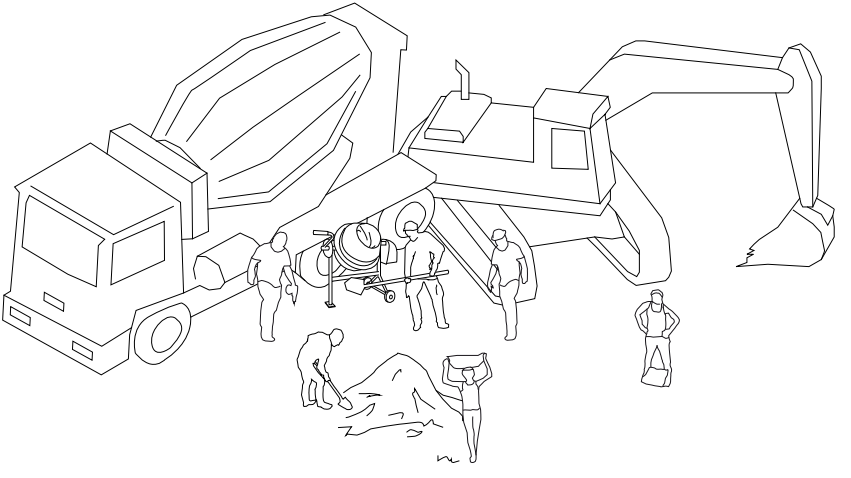
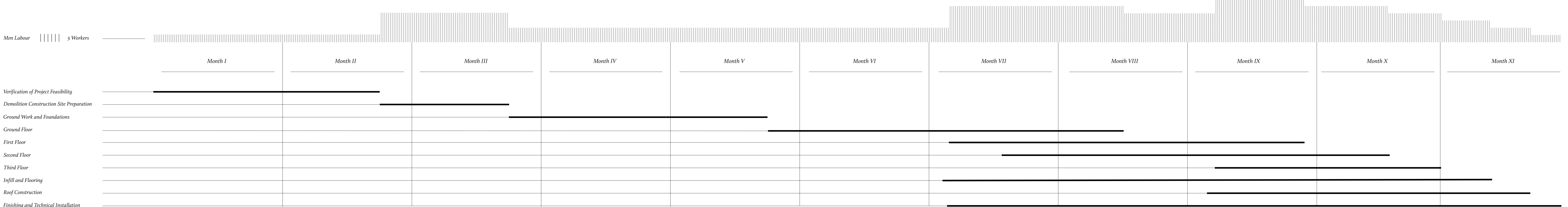
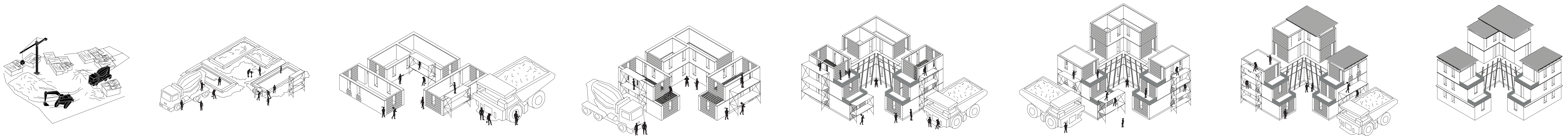
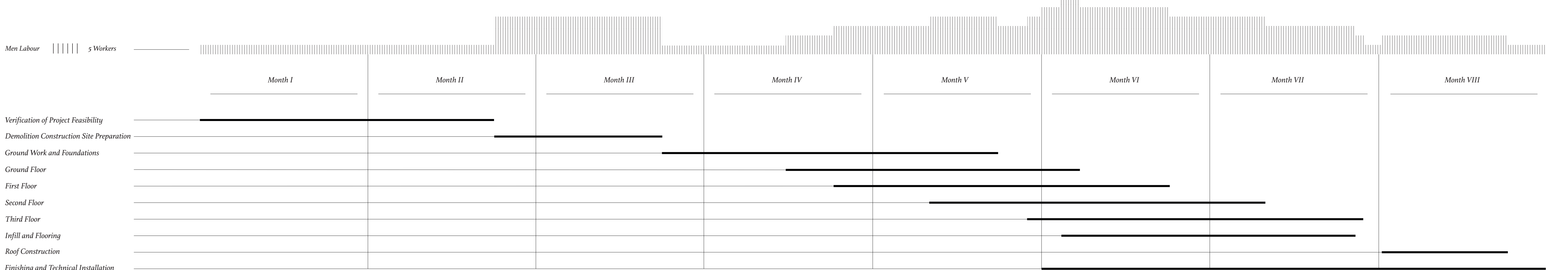
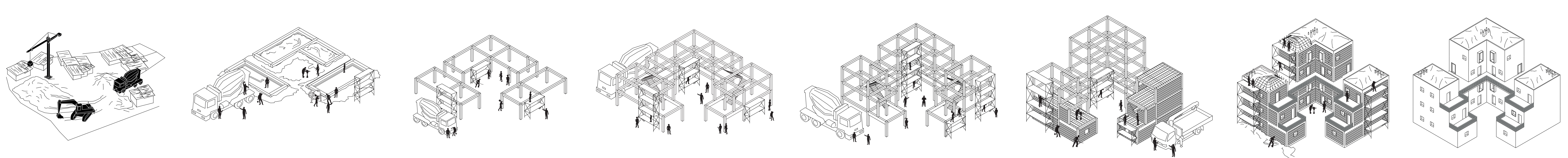


Building Construction and Labour and Skills Comparison	Tools	Foundation Comparable unit: Birr/m ²	Load-bearing Structure Comparable unit: Birr/m ²	Horizontal Slab Comparable unit: Birr/m ²	Roof Comparable unit: Birr/m ²	Stairs	Finishing Comparable unit: Birr/m ²	Technical Installation Comparable unit: Birr/Apartment	Transport and Man Labour
<p>Rammed Earth Solution 2,100 Birr/m² 90 €/m²</p> 	<p>Rammed Earth Solution I. Truck for earth transport II. Pneumatic compactor III. Cement mixer IV. Earth brick making machine V. Saw</p> 	<p>Rammed Earth Solution Total: 330,000 Birr 198 Birr/m²</p> <p>Skills •••</p> 	<p>Rammed Earth Solution Total: 750,000 Birr 45 Birr/m²</p> <p>Skills ••</p> 	<p>Rammed Earth Solution Total: 100,000 Birr 60 Birr/m²</p> <p>Skills •</p> 	<p>Rammed Earth Solution Total: 175,000 Birr 1,950 Birr/m²</p> <p>Skills •</p> 	<p>Rammed Earth Solution 18,000 Birr</p> <p>Skills ••</p> 	<p>Rammed Earth Solution Total: 160,000 Birr 96 Birr/m²</p> <p>Skills ••</p> 	<p>Rammed Earth Solution Total: 170,000 Birr 17,000 - 13,140 Birr/Apartment</p> <p>Skills •••</p> 	<p>Rammed Earth Solution 130,000 Birr</p> 
<p>Concrete Solution 3,700 Birr/m² 148 €/m²</p> 	<p>Concrete Solution I. Truck for concrete mixing II. Welding tools III. Concrete vibrator IV. Hollow blocks making machine V. Rebars</p> 	<p>Concrete Solution Total: 130,000 Birr 89 Birr/m²</p> <p>Skills •••</p> 	<p>Concrete Solution Total: 255,000 Birr 175 Birr/m²</p> <p>Skills •••</p> 	<p>Concrete Solution Total: 205,000 Birr 140 Birr/m²</p> <p>Skills •••</p> 	<p>Concrete Solution Total: 180,000 Birr 3,331 Birr/m²</p> <p>Skills ••</p> 	<p>Concrete Solution 45,000 Birr</p> <p>Skills ••</p> 	<p>Concrete Solution Total: 180,000 Birr 124 Birr/m²</p> <p>Skills ••</p> 	<p>Concrete Solution Total: 175,000 Birr 17,500 - 12,500 Birr/Apartment</p> <p>Skills •••</p> 	<p>Concrete Solution 125,000 Birr</p> 
<p>Condominium Blocks 3,800 Birr/m² 150 €/m²</p> 	<p>Condominium Blocks I. Truck for concrete mixing II. Welding tools III. Concrete vibrator IV. Hollow blocks making machine V. Rebars</p> 	<p>Condominium Blocks Total: 210,000 Birr 78 Birr/m²</p> <p>Skills •••</p> 	<p>Condominium Blocks Total: 180,000 Birr 130 Birr/m²</p> <p>Skills •••</p> 	<p>Condominium Blocks Total: 475,000 Birr 160 Birr/m²</p> <p>Skills •••</p> 	<p>Condominium Blocks Total: 1,330,000 Birr 4,650 Birr/m²</p> <p>Skills •••</p> 	<p>Condominium Blocks 45,000 Birr</p> <p>Skills ••</p> 	<p>Condominium Blocks Total: 605,000 Birr 205 Birr/m²</p> <p>Skills ••</p> 	<p>Condominium Blocks Total: 140,000 Birr 10,652 Birr/Apartment</p> <p>Skills •••</p> 	<p>Condominium Blocks 170,000 Birr</p> 

Building Construction Time Estimation
Rammed Earth Solution



Building Construction Time Estimation
Concrete Solution



Building Construction Time Estimation
Condominium Blocks

