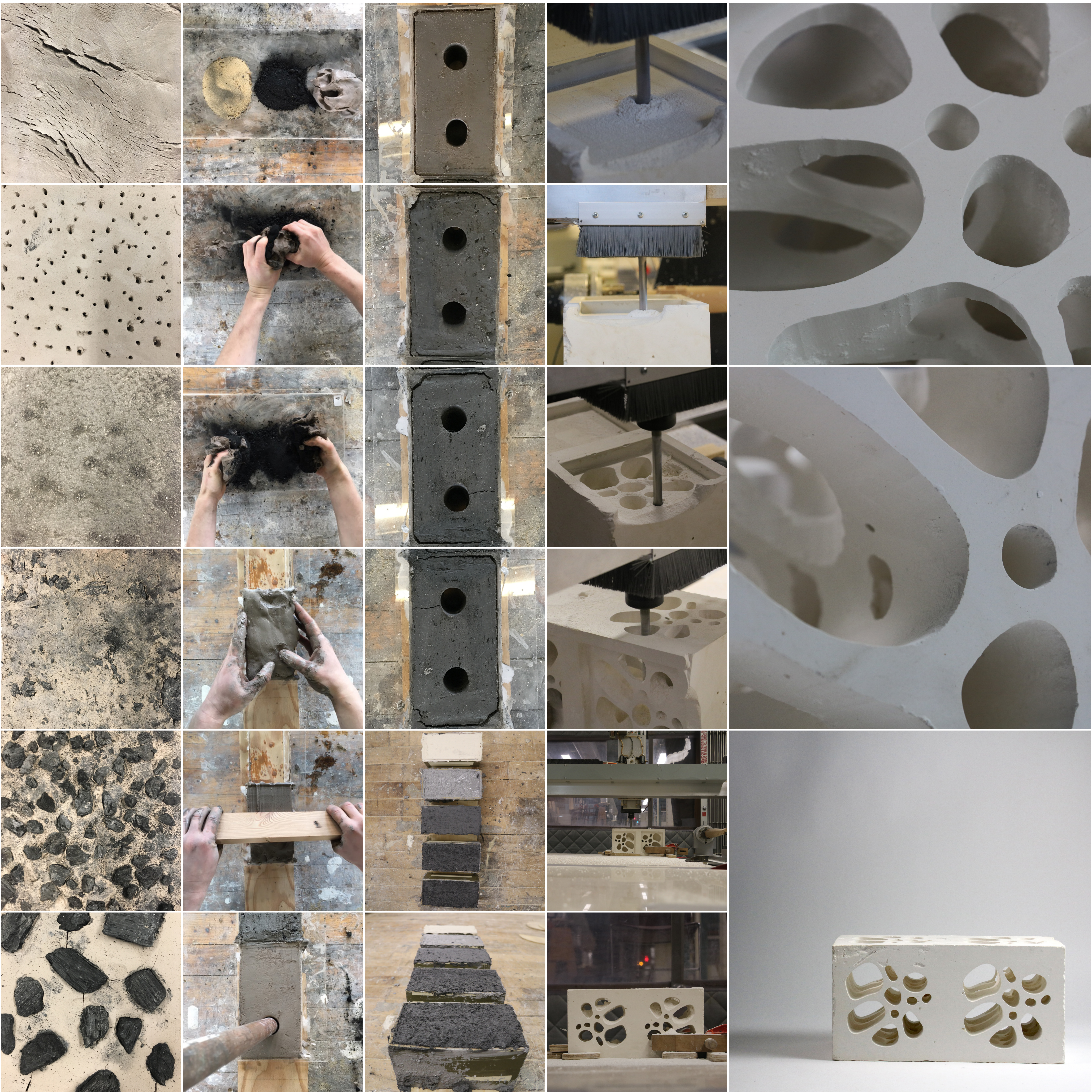


AN ARCHITECTURE OF CARBON

BIOCHAR AS BUILDING MATERIAL



1. Material Test: Clay Structural Failure
2. Material Test: Porosity of Biochar-Infused Clay
3. Material Test: Biochar Fine Particle Surface Treatment
4. Material Test: Biochar Fine Particle Clay Infusion
5. Material Test: Biochar Medium Particle Clay Infusion
6. Material Test: Biochar Large Particle Clay Infusion

1. Brick Making: Sand, Biochar, Clay
2. Brick Making: Material Hybrid
3. Brick Making: Material Mixing
4. Brick Making: Mould Fitting
5. Brick Making: Form Shaping
6. Brick Making: Dry-Aid Perforations

1. Material Test: 1:4 Biochar to Clay Ratio
2. Material Test: 1:2 Biochar to Clay Ratio
3. Material Test: 1:1 Biochar to Clay Ratio
4. Material Test: 2:1 Biochar to Clay Ratio
5. Material Test: 0:1, 1:4, 1:2, 1:1, 2:1
6. Material Test: 0:1, 1:4, 1:2, 1:1, 2:1

1. BioBrick: Initial CNC Milling
2. BioBrick: Initial CNC Milling
3. BioBrick: CNC Milling Along Vertical Axis
4. BioBrick: CNC Milling Along Horizontal Axis
5. BioBrick: Final Pass
6. BioBrick: Completed CNC Milling

1. Detail: Microbial Channels
2. Detail: Microbial Channels
3. BioBrick: Final Prototype 20cm x 20cm x 40cm