

Facade Investigation // Durable & Low Maintenance

Site Material Exercise

Technical Studies II

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Tower of London

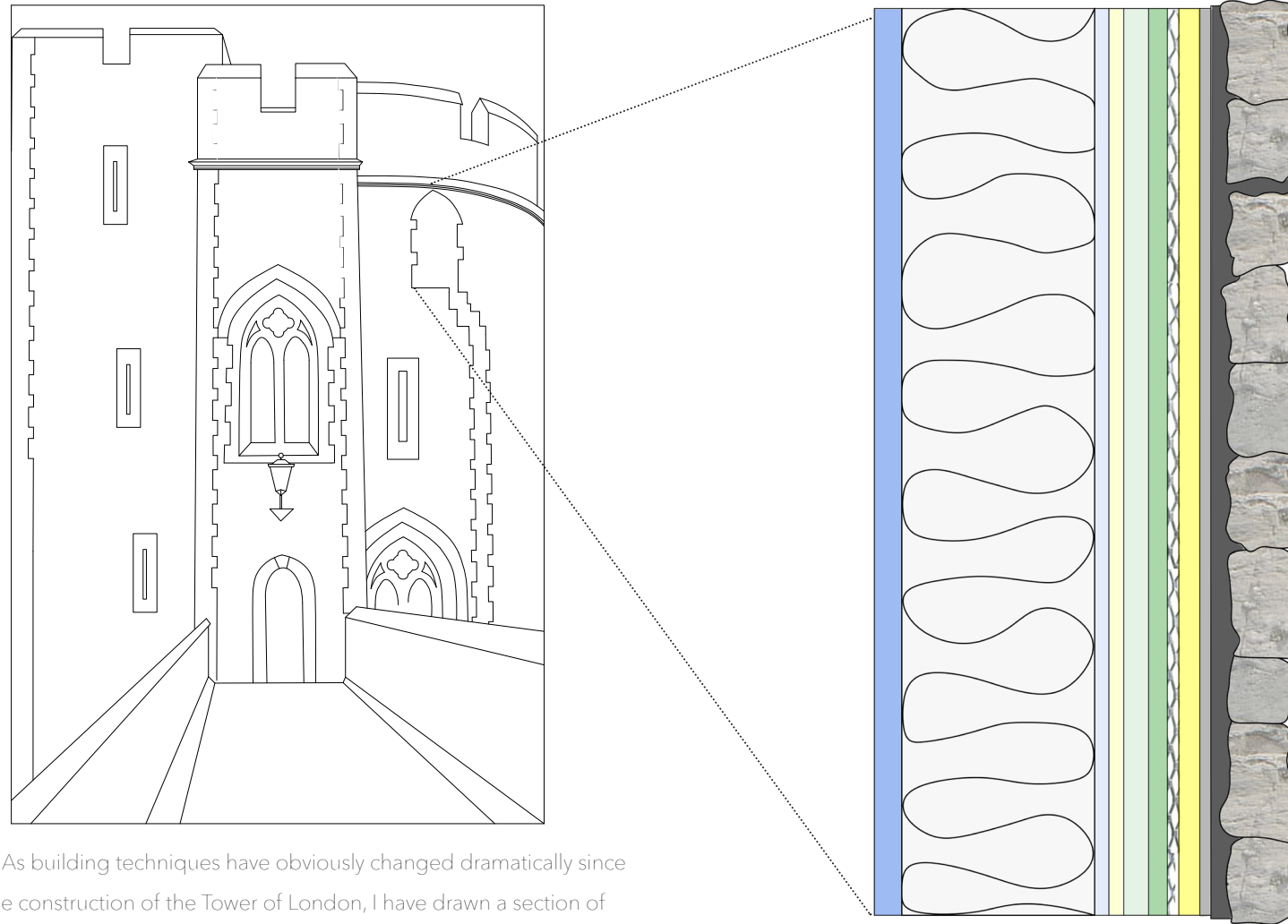
London, EC3N 4AB

Built // White Tower - 1078

Inner Ward - 1190

Rebuild - 1285

- Stone Veneer
- Mortar Joint
- Mortar Setting Bed
- Scratch Coat
- Metal Lath
- Weather Resisting Barrier
- Sheathing
- Metal Studs
- Rigid Insulation
- Insulation
- Interior Finish



* As building techniques have obviously changed dramatically since the construction of the Tower of London, I have drawn a section of today's methods applied to a structure with stone facades.



Material // Kentish Ragstone



Caen Stone



Portland Stone

Durability //

Stone is arguably the traditional building material of Great Britain. Stonehenge, of a quartzitic sandstone, dates back to about 1800 BC. The pyramids in Giza, burial chambers in the UK and temples in Malta were all built from stone over 4000 years ago and are still standing- a lasting testament to its durability.



Maintenance //

In regards to the materials maintenance, it is a natural product which weathers and wears over time, but most 'repairs' and adjustments are for aesthetic purposes (ie. weather & Polluted conditions etc)

