

BEIRUT'S URBAN PORT

BEIRUT'S CRUISE TERMINAL & CULTURAL MARKET



PROJECT INTRODUCTION AND ANALYSIS

INTRODUCTION

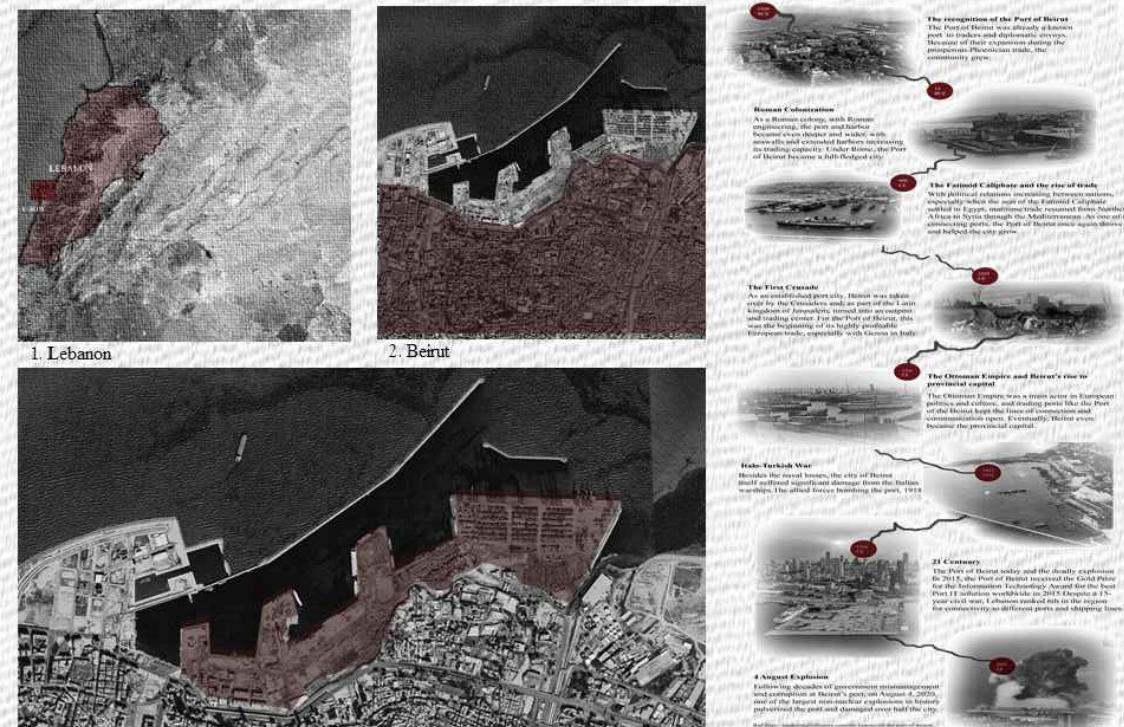
On 4 August 2020, a large amount of ammonium nitrate stored at the Port of Beirut in the capital city of Lebanon exploded, causing at least 218 deaths, 7,000 injuries, and US\$15 billion in property damage, and leaving an estimated 300,000 people homeless. A cargo of 2,750 tonnes of the substance (equivalent to around 1.1 kilotons of TNT) had been stored in a warehouse without proper safety measures for the previous six years after having been confiscated by the Lebanese authorities from the abandoned ship MV Rhosus. The explosion was preceded by a fire in the same warehouse, but as of September 2021, the exact cause of the detonation is still under investigation.



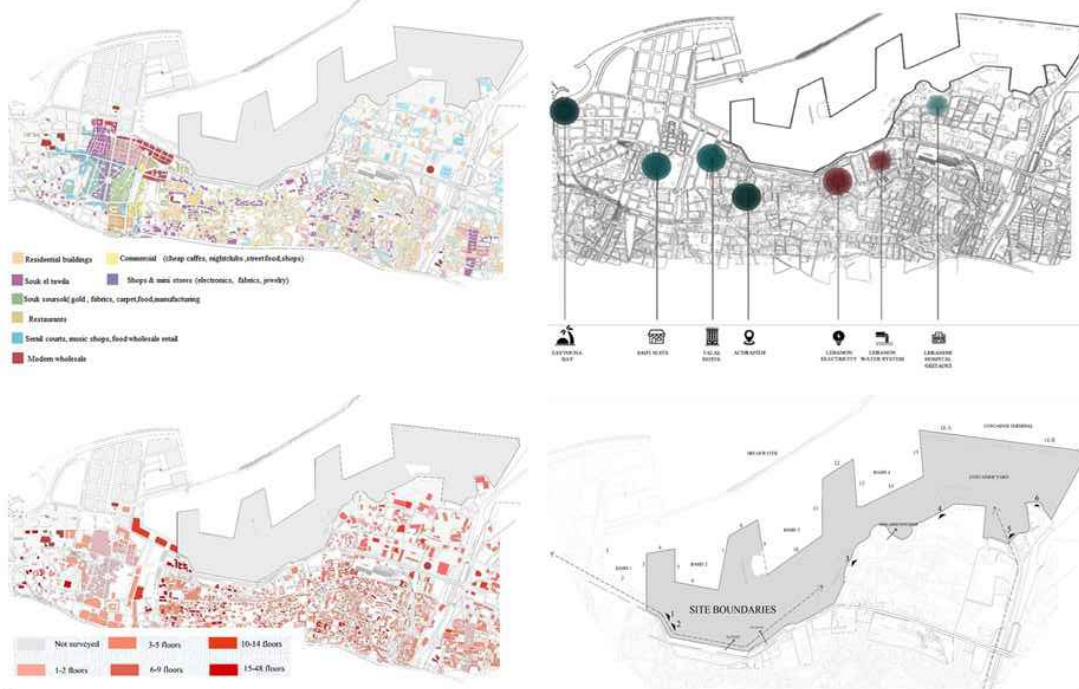
The blast physically shook the whole country of Lebanon. It was felt in Turkey, Syria, Palestine, and Israel, as well as parts of Europe, and was heard in Cyprus, more than 240 km (150 mi) away. It was detected by the United States Geological Survey as a seismic event of magnitude 3.3 and is considered one of the most powerful accidental artificial non-nuclear explosions in history.



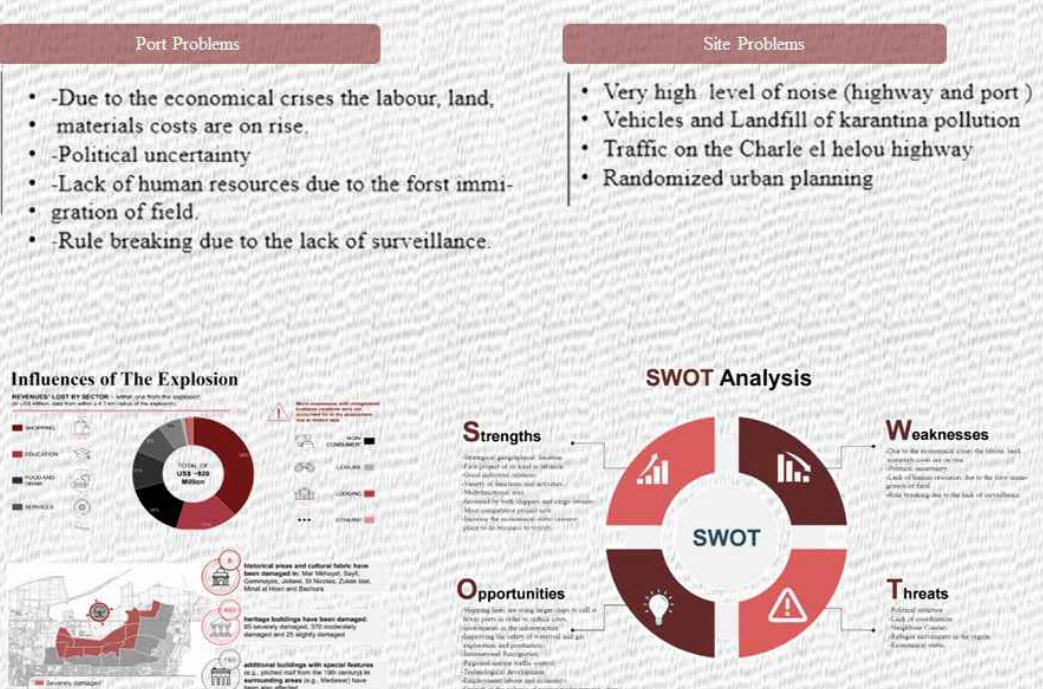
SITE LOCATION



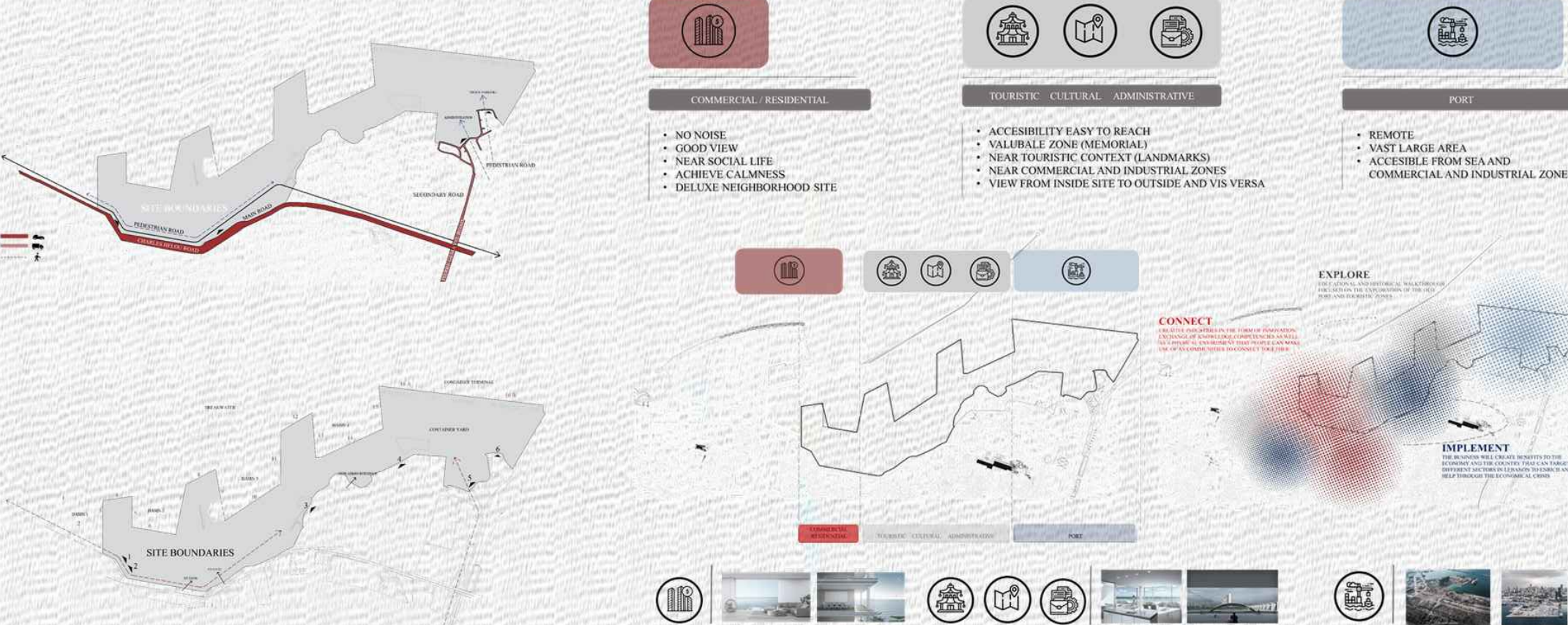
SITE CONTEXT (NEIGHBORHOOD)



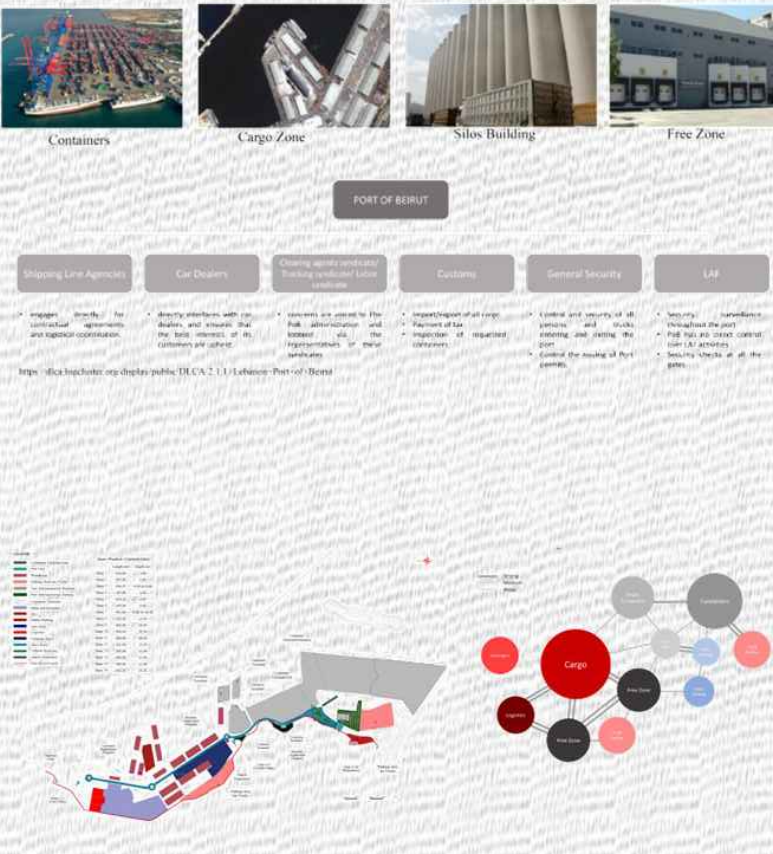
MACRO SITE PERCEPTION



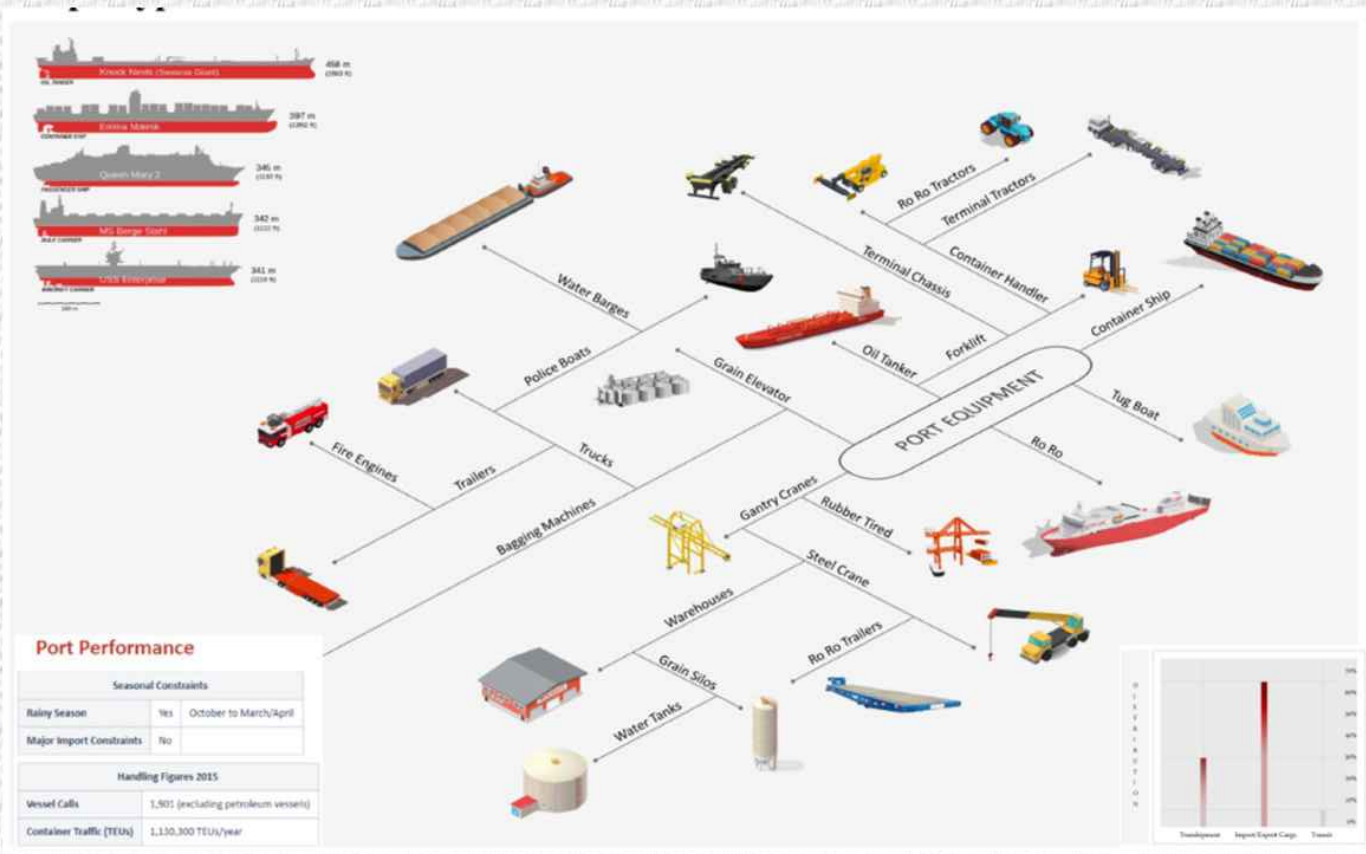
SITE CIRCULATION



ZONING ANALYSIS



SHIPS TYPES & DIMENSIONS



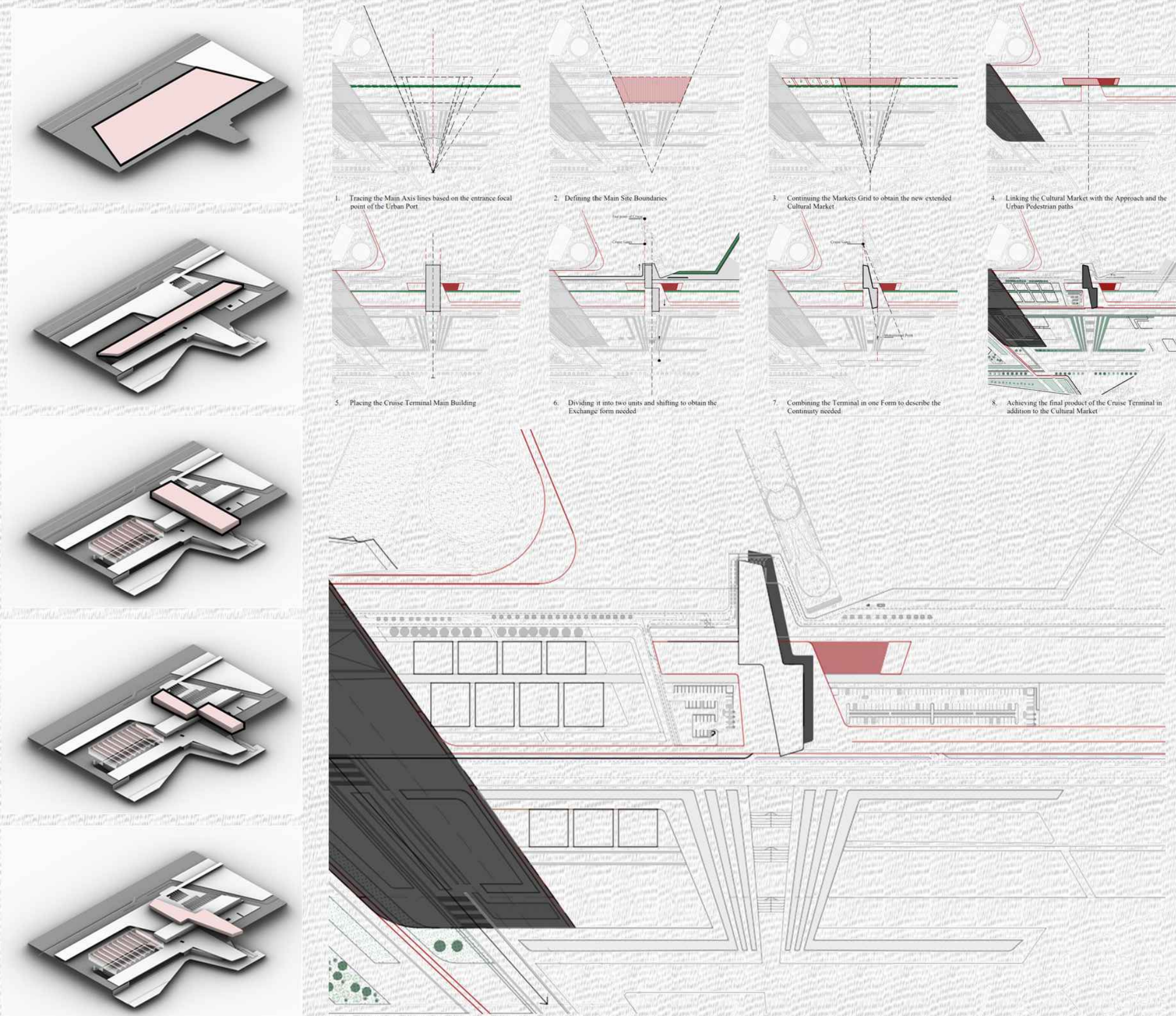
DESIGN CONCEPT

CONCEPT DIAGRAM



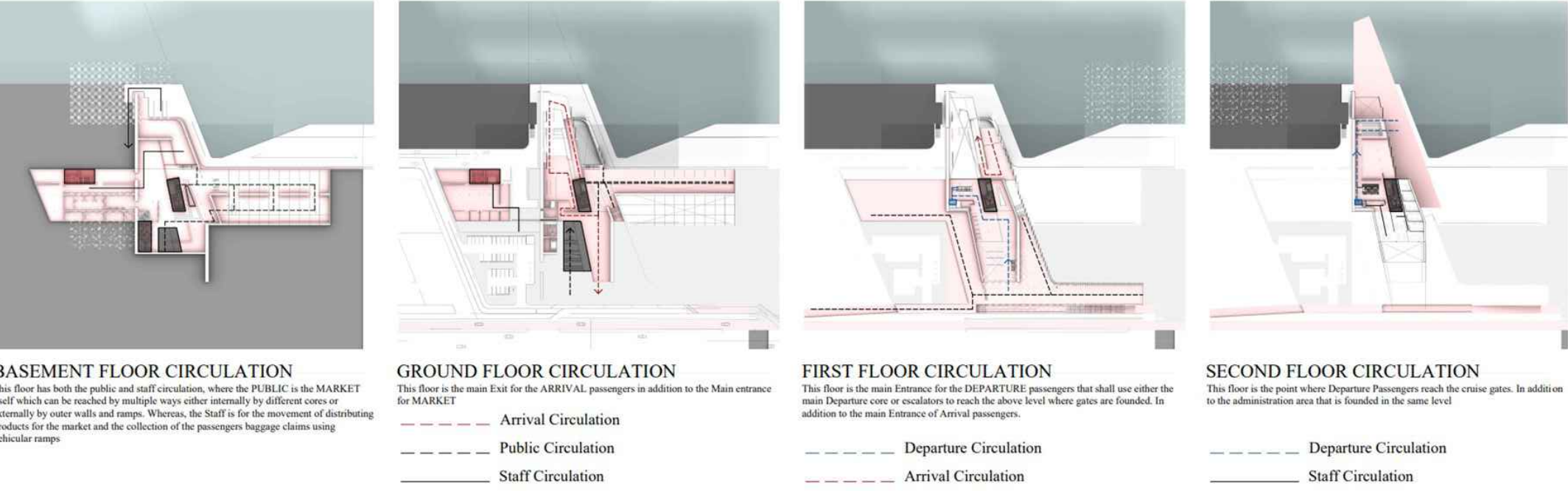
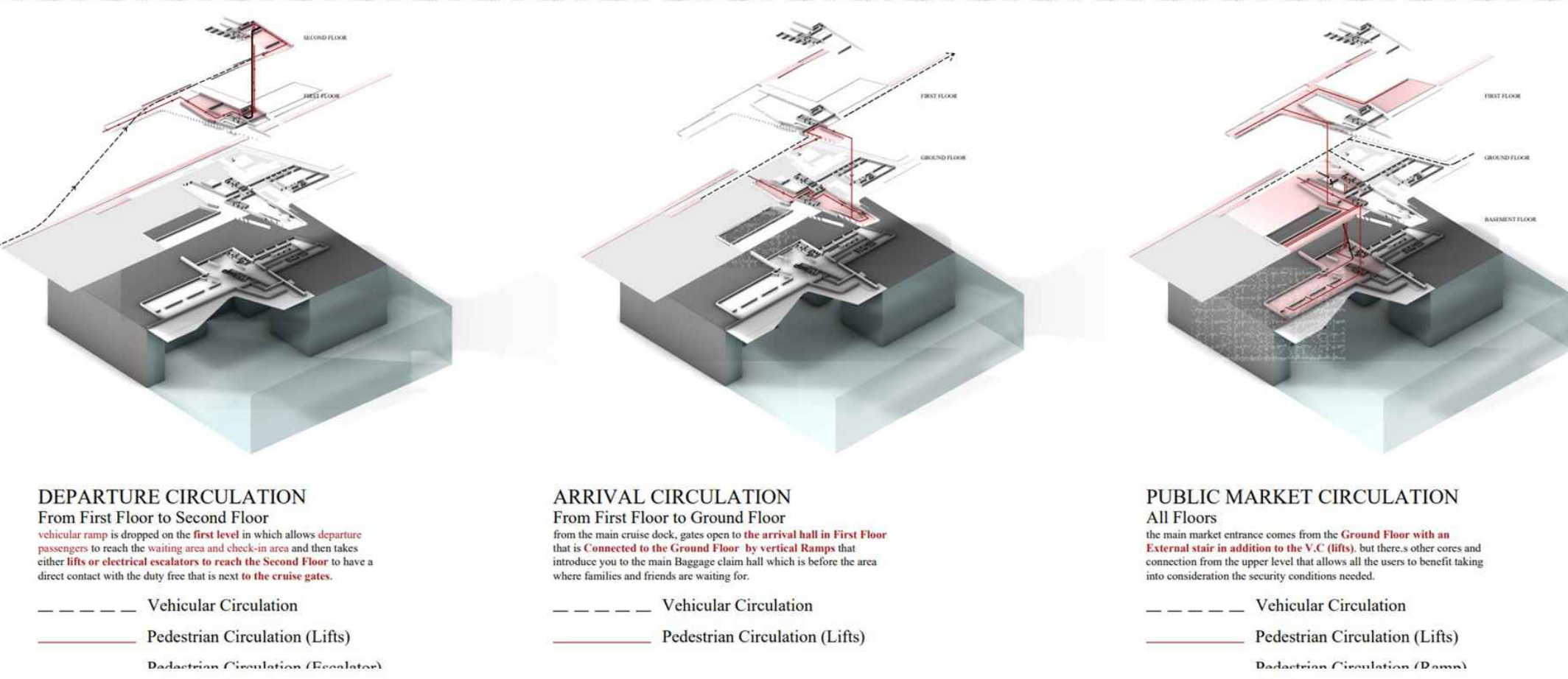
IDEA DEVELOPMENT

DESIGN PROCESS

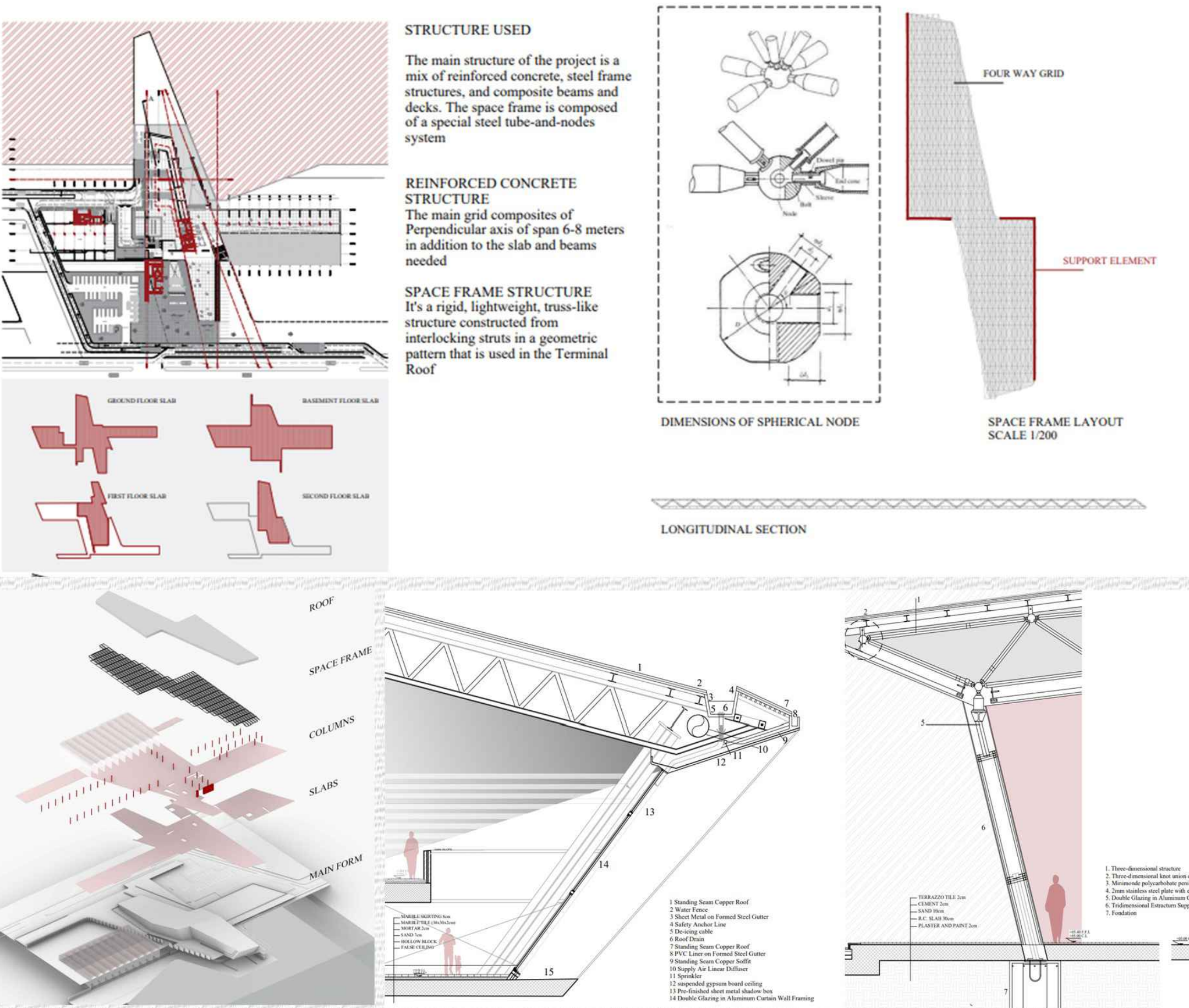


PROJECT DIAGRAMS

EXPLODING DIAGRAM

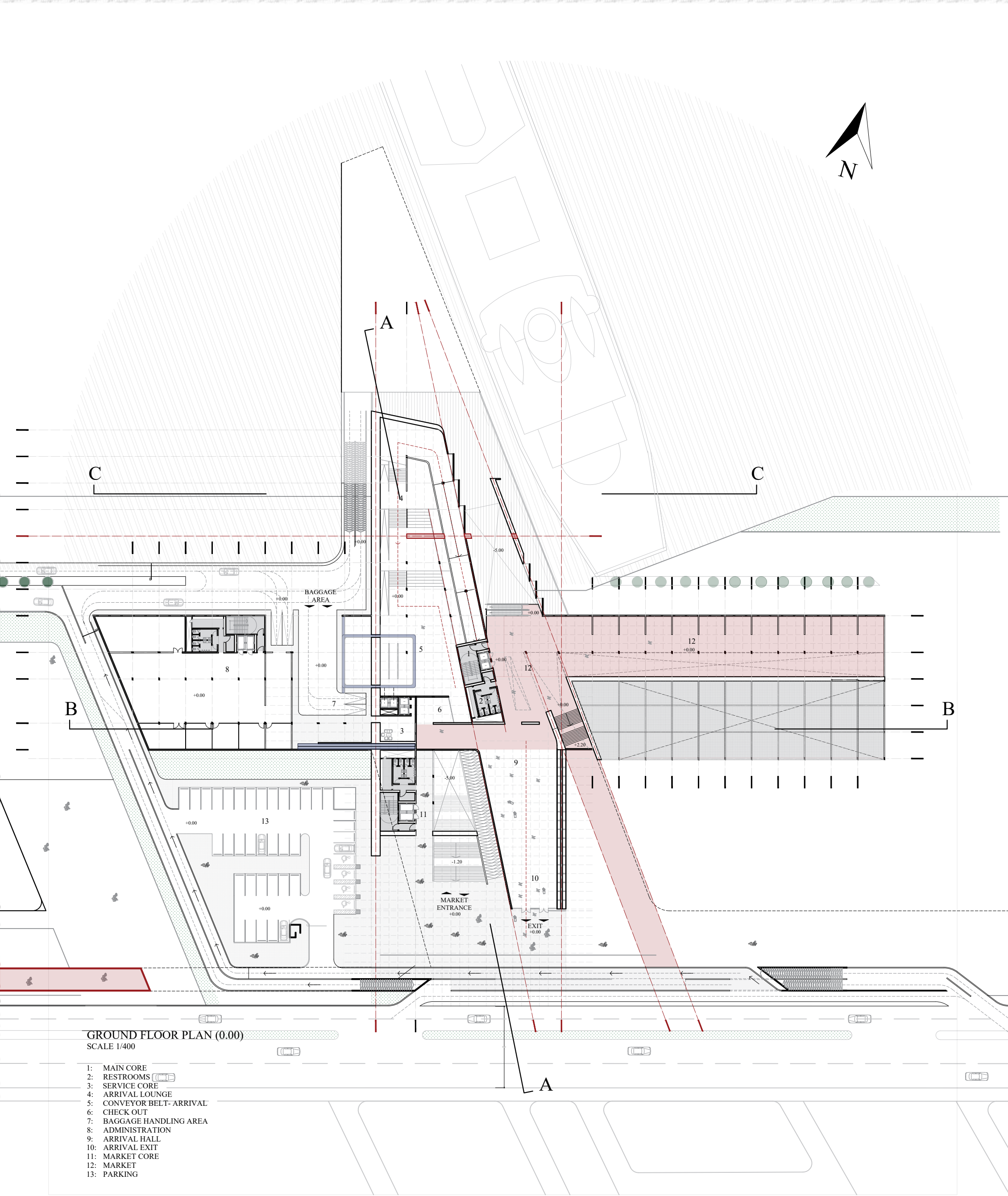


STRUCTURE DIAGRAM

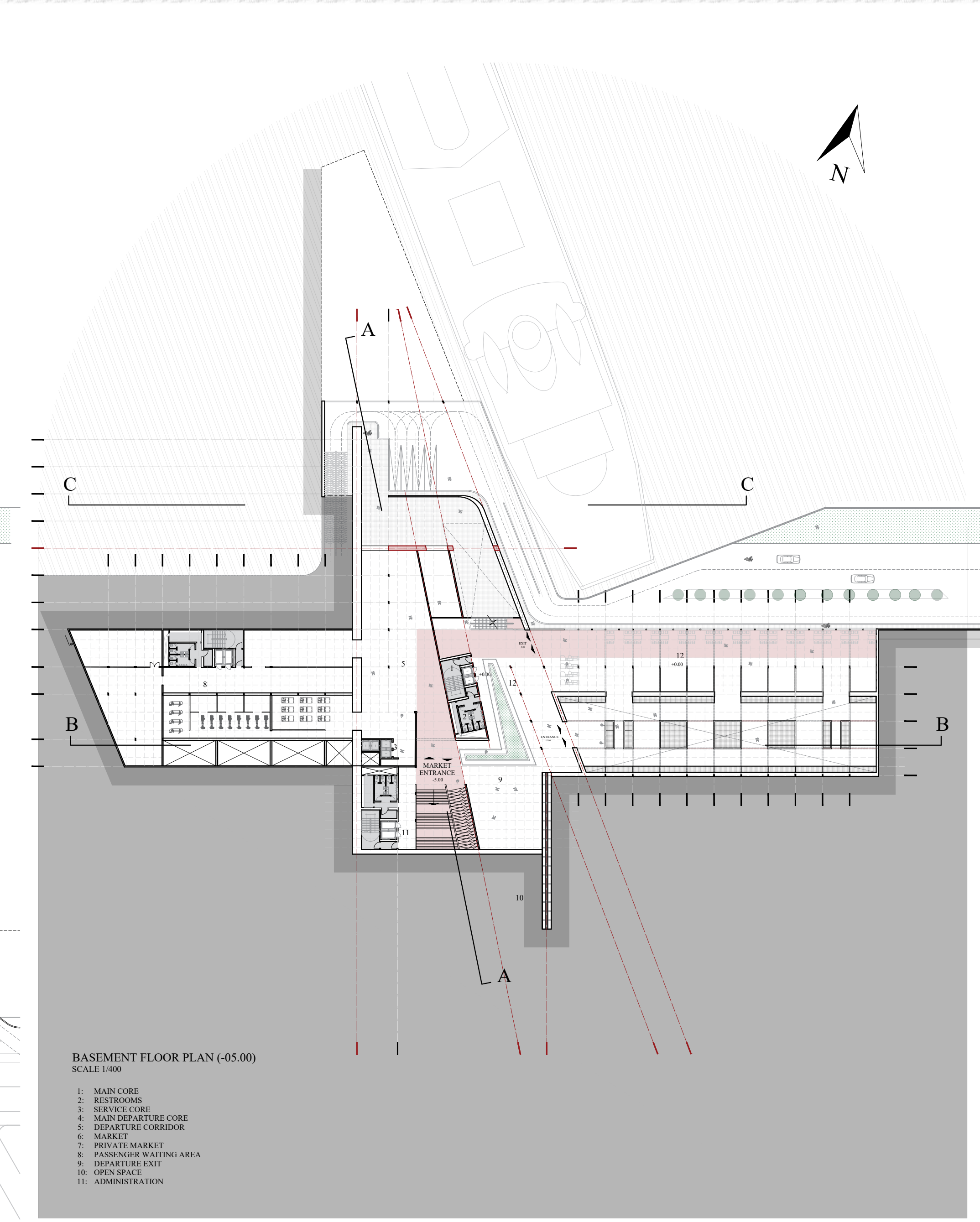


PLANS

GROUND FLOOR PLAN

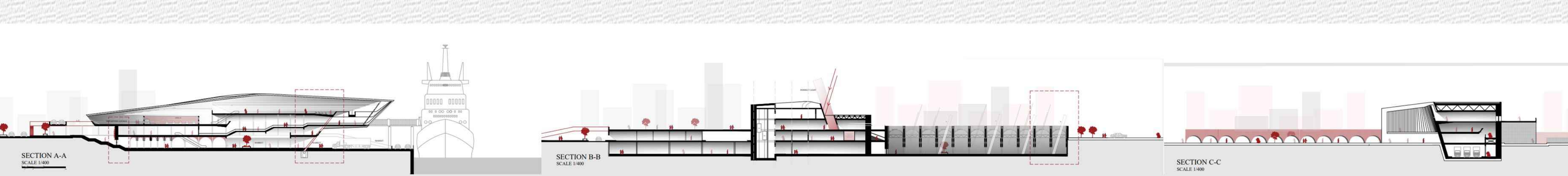


BASEMENT FLOOR PLAN

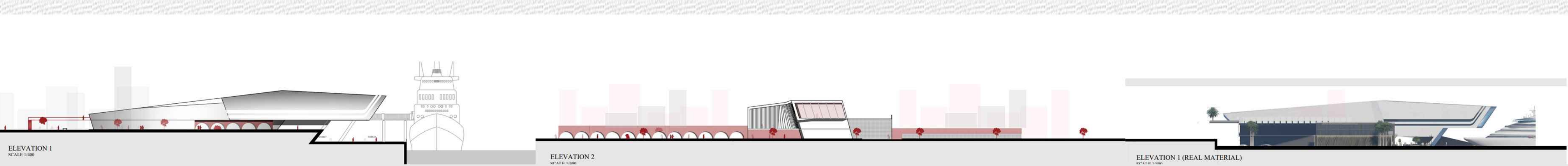


SECTIONS AND ELEVATIONS

SECTIONS

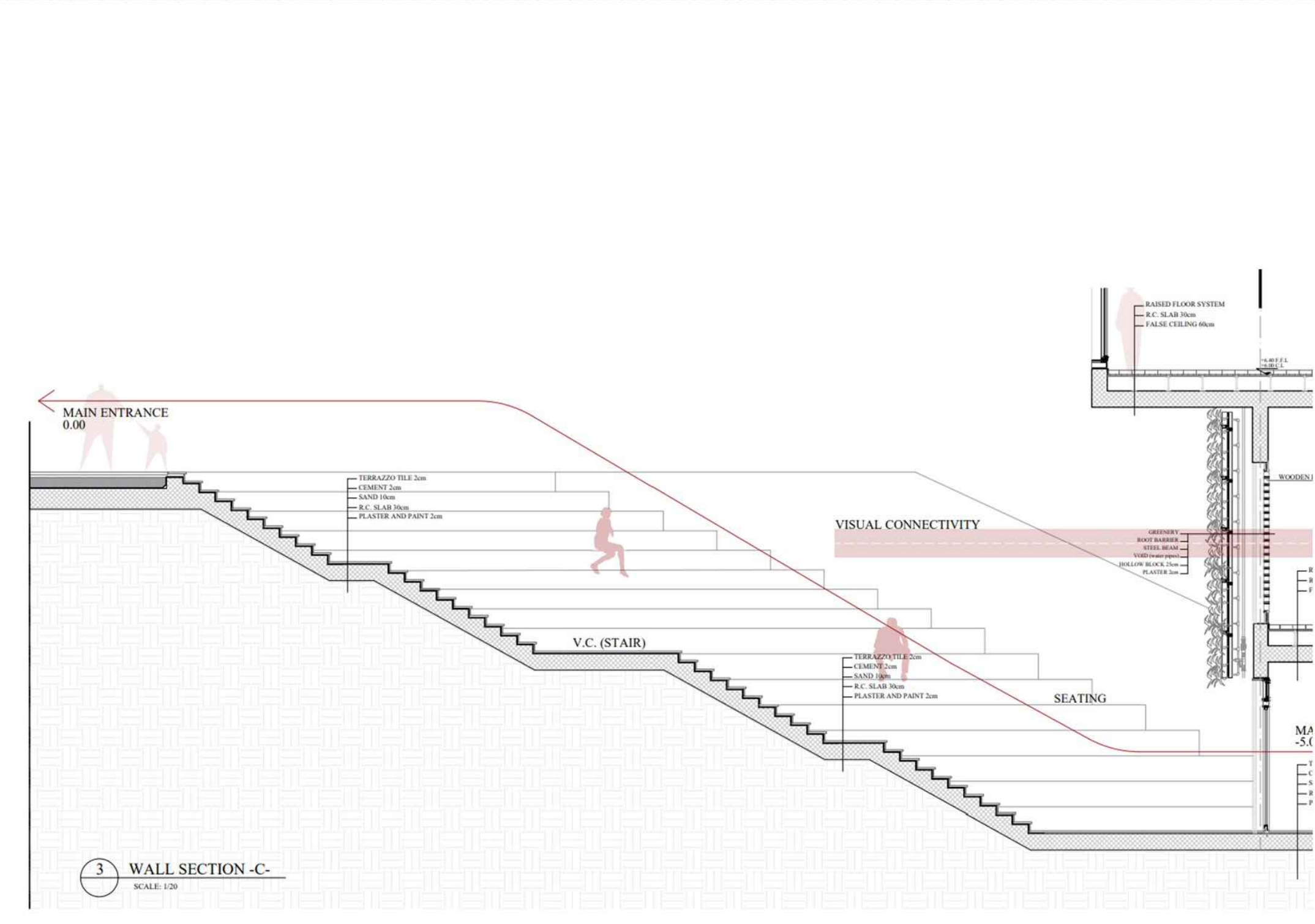


MARKET CONCEPT

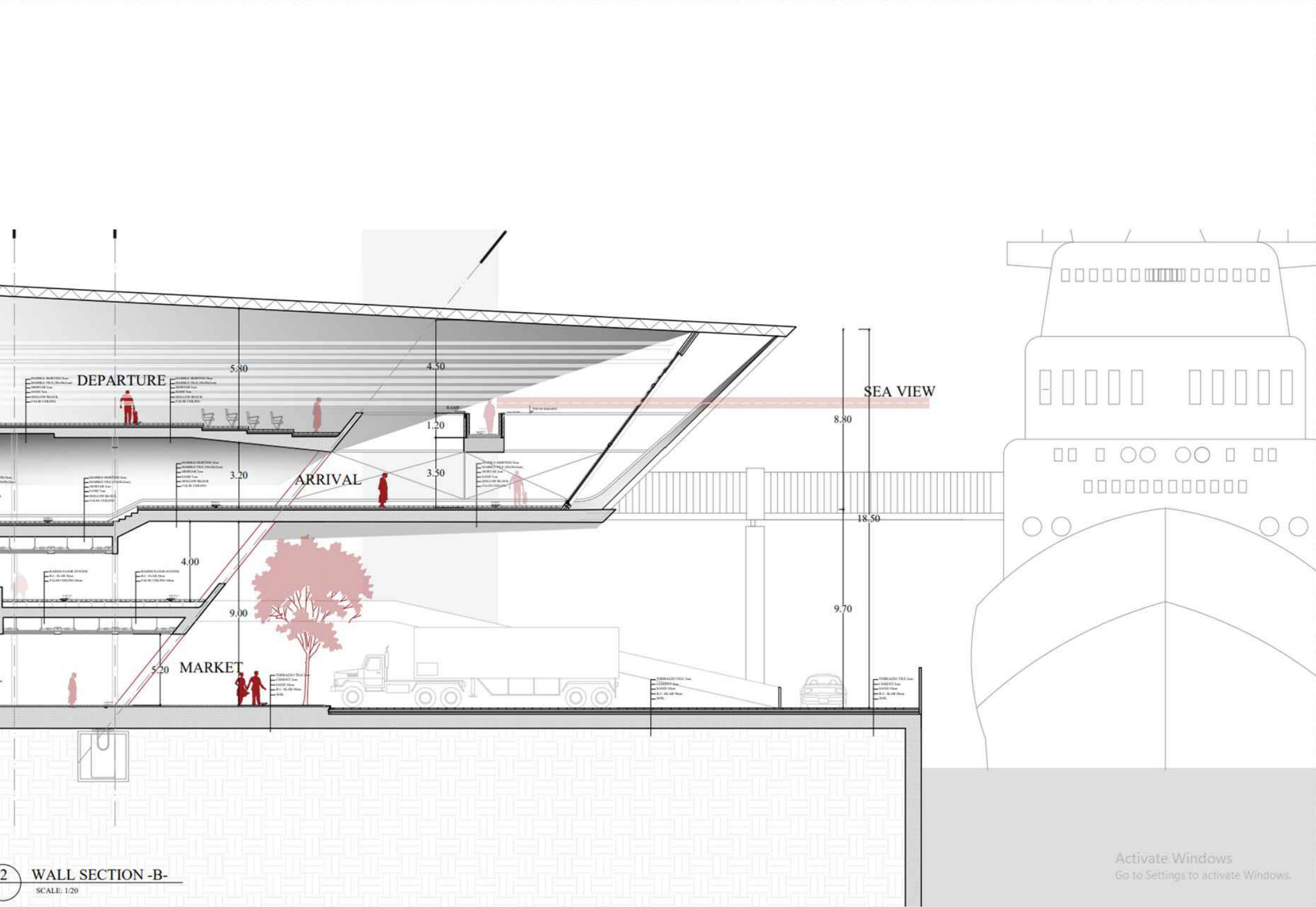


DETAILING DIAGRAMS

ENTRANCE WALL SECTIONS



CANTILEVER WALL SECTION



PERSPECTIVES

