MATERIALIZATION & DIGITAL FABRICATION

EXPLODED DIAGRAM OF THE TANKS COMPOSITION

1. CONCRETE SUPPORTING LAYER
2. EPS LEVELS AND STABILISING LAYER
3. INSULATION LAYER
4. POLYETHYLENE SHEET - FINAL SHELTERING AND WATERPROOF LAYER

VARIOUS TANKS GEOMETRIES
TANKS SHUTTLE GEOMETRIES

TANK FABRICATION PROCESS:
1. GEOMETRY SUBDIVIDED INTO COMPONENTS
2. COMPONENTS ASSEMBLED IN 3D BLOCKS
3. COMPONENTS INTO THE BEAMING BOX
4. PRET-a-CUT LIGHT LAY OUTS
SECOND COMPONENT SHAPE
COMPOSITES ASSEMBLED INTO FINAL GEOMETRY

VIEW OF DIFFERENT LIGHT SHAPES GENERATED FROM THE PATTERN

FIG. 20

View of the finished structure in the context of the construction site.