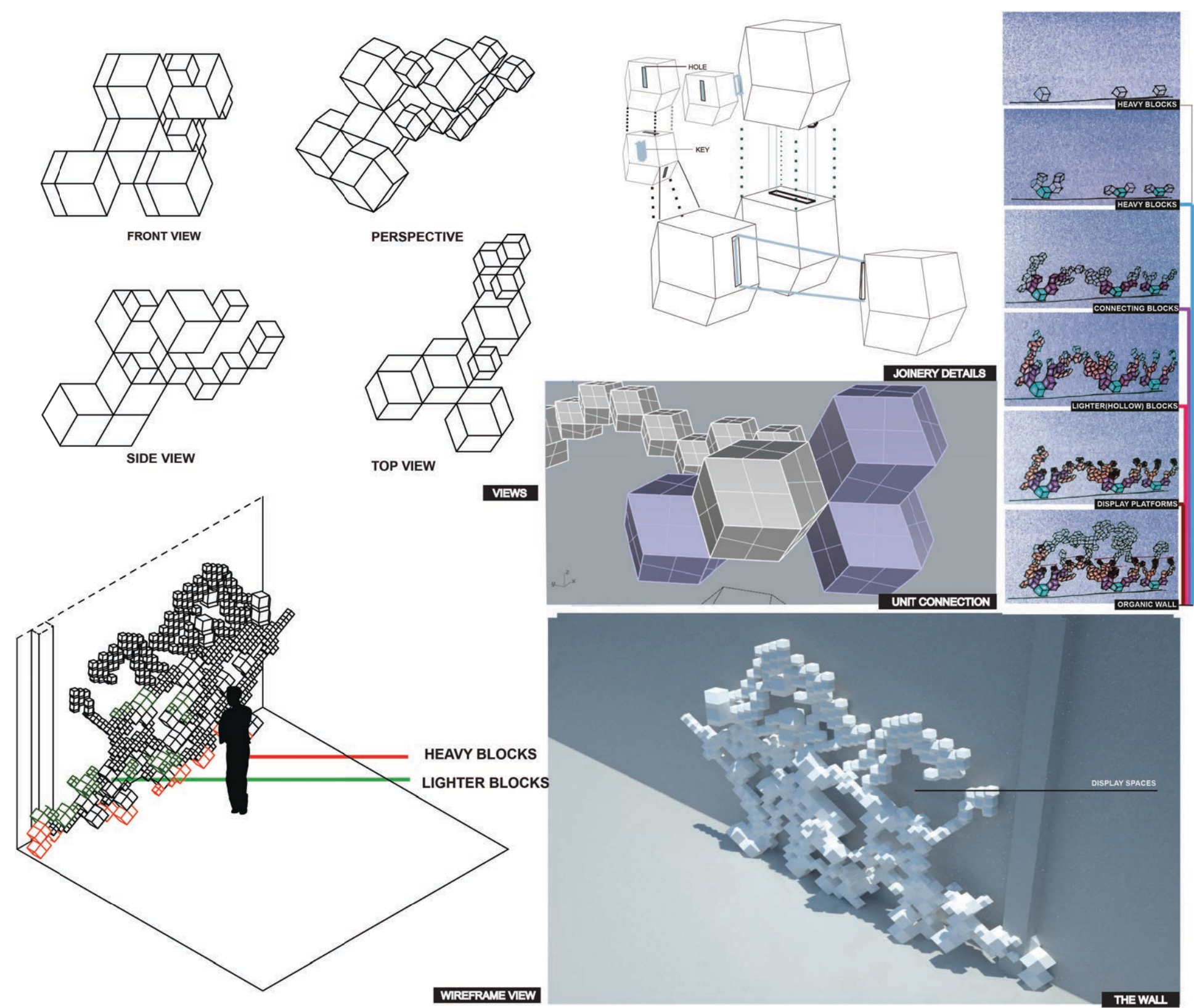


DIGITAL FABRICATION - Project No2 (milling machine)



When we began to come up with the design of our proposed brick for the wall we decided to go for a simple geometrical volume in order to have the possibility to expand it within the space. So, we decided to go for a basic octahedron. The volume of the octahedron seemed ideal for us, as we had the possibility to easily expand it in the x, y and z axis and experiment with different flows when we connected each part to each other. In addition to that, we experimented with the octahedron by altering its scale to different parts of the wall trying to generate different spatial conditions; like a shelter, an exhibition space, a meeting place and a work area for the students. After observing the brick proposal that won the competition we decided to take advantage of the brick's geometrical shape and character. So, we have concluded that we want to highlight the central point of the brick in order to make more intense the curvature of its shape by adding a radial texture. Ultimately, we have used a different scale of the radial texture on the two sides of the brick trying to generate a visual differentiation to the texture of the brick.

Name	Status	Tool	Cut Feed	# of GOTOs	Machine Time
Setup 1					
Horizontal Roughing	Clean	BallMill 12mm	5000.00 mm/min	13109	55.70 min
Parallel Finishing	Clean	BallMill 12mm	5000.00 mm/min	7321	7.01 min
Radial Machining	Clean	BallMill 6mm	5000.00 mm/min	23074	7.49 min
Radial Machining	Clean	BallMill 6mm	5000.00 mm/min	12283	4.20 min
				Sub-total	1 hr 14 min

