



What are the green blocks and what are they for?

The green blocks are military surplus steel. This steel was made available to JLab at low cost. The steel was cast into blocks of several standard sizes. As the blocks are light enough to be lifted by our crane, they can easily be stacked in various configurations to meet the needs of different experiments.



Small block: 1 ton

Large block: 10 tons

Crane capacity: 20 tons



When the electron beam passes through the target, many particles are emitted. An experiment typically only looks for particles of a specific type with a narrow range of energies and directions. The many other energetic particles can both confuse the detection apparatus and cause damage to computers and other electronic equipment in the hall. The green blocks as well as other concrete blocks are used to shield the equipment from these background particles.