

Fun Construction Facts: David H. Murdock Core Laboratory Building

- Approximately 250,000 lbs. of marble were used in the project.
- The type of marble on the floor and walls is a variety of Calacata marble. The medallion is made with several different marble types such as: Crema Marfil, Empress Green, Verde Luchenza, Giallo Luchenza, Carrara & Rosa Levanto.
- The pediments over the top of the doors in the atrium weigh 3800 lbs. and are each cut from a single piece of stone.
- There are over 1.5 million bricks in the Core Laboratory Building.
- Each exterior column on the 2nd floor weighs over 60,000 lbs.
- The building is over 450 feet long, or the size of 1 ½ football fields.
- It is approximately 92 feet from the first floor to the base of the painted dome and over 150 feet to the top of the copper dome including the cupola and finial.
- The building is approximately 300,000 square feet or almost 60,000 square feet per floor.
- There have been over 43,000 construction workers working on the campus buildings with over 930,000 man hours on the Core Lab Building alone. It would take one person working 40 hours a week over 447 years to build this building by themselves.
- There have been materials used from four of earth's continents and from sixteen different countries. Those countries are: USA, Canada, Brazil, Argentina, France, Germany, Switzerland, Mexico, China, Japan, Thailand, Ireland, India, Turkey, Sweden and Finland.
- There are 180 steps from the roof to the sub-basement or NMR level.
- There are over 220 windows on the fourth floor alone.
- Over 15,000 cubic yards of concrete were used for the building.
- There are over 23,039 pieces of structural steel in the building, weighing over 2,200 tons or 4,400,000 pounds.
- 312 miles of electrical wiring not including the phone and data wiring that have been used.
- During construction, 8,000 temporary lights that took 80,000 feet of string lights were used. After completion, there are 5,372 light bulbs in the permanent lighting.
- There was a heavy emphasis on recycling materials from original mill structures: 10,000,000 bricks; 1,500,000 board feet of heart pine timber; 300,000 lbs. of copper; 26,500,000 lbs. of steel, and more than 700,000 tons of concrete.