Construction of the Science Building

The First Project Slab Pour

Issue 4  11/29/2012

Up to Date

- Area D steel 100% complete
- CMU load bearing walls at Auditorium Lecture Hall 100%
- Domestic water connection completed
- Primary electrical feed to building completed

In the Now

- Area C Steel erection 70%
- Area D MEP elevated deck prep
- Slab on grade prep and forming Area D
- Area A deep underground MEP utilities
- Penthouse structural curbs and housekeeping pads pour 11/30
- Steam line ongoing

A Look Ahead

- Area B steel
- Slab on grade pours area D
- Building temp power
- Exterior skin mock-ups
- Exterior masonry and framing area D
- Area D roofing prep and install

Above: Concrete workers place and finish the penthouse slab, which required 133 cubic yards to be pumped up 4 stories

Left: The primary electric line is being fed through the conduit and around the building. This will also be the source of temporary power to the building during construction

The Breakdown

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Man-hours</td>
<td>39,000 hrs</td>
</tr>
<tr>
<td>Concrete</td>
<td>1,450cy</td>
</tr>
<tr>
<td>Decking</td>
<td>110,000 sf</td>
</tr>
<tr>
<td>Steel</td>
<td>1,500 pcs</td>
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</tbody>
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Above: Steel workers erect areas C and B steel. This picture is from the West end of area D looking at the East side of area C

Below: The Breakdown table showing the man-hours, concrete, decking, and steel used in the construction.