This 5-story, 340,000 sq ft medical building was the first field-bolted SidePlate® project to be constructed in the upper Midwest.

**CHALLENGES**
- Tall first story heights
- Very poor soil conditions
- Extremely aggressive design and construction schedule

**SOLUTIONS**
- Stiffer SidePlate moment frames saved 6% in total steel tonnage
- SidePlate’s design assistance helped EOR meet the design schedule
- Bolted SidePlate concept saved over 2 weeks of field construction time versus a conventional welded moment frame design
FIELD-BOLTED SIDEPLATE®
MOMENT CONNECTION

For well over 20 years, SidePlate technologies have optimized steel building designs, delivering cost savings and performance. SidePlate connections are designed, they’re not a product, and they’re built by any steel fabricator. SidePlate connections reduce drift, so our lateral frames use less structural steel (and often fewer joints) than other moment frames and our field-bolted connection eliminates all field-welding. Less steel tonnage, less field labor, and structural optimization at no charge to the design team. How can SidePlate benefit you?

**R=3 Beam Assembly**
- fillet welds in shop
- short-slotted holes
- no beam section loss

**R=3 Column Assembly**
- fillet welds in shop (some stitch)
- short-slotted holes
- no column section loss

**R=3 Completed Connection**
- beam is simply lowered into place
- easier to align holes from top
- no shear tab required

Other moment connections

| Drift = 2.35” |
| Drift = 1.65” |

(800) 475–2077
(949) 238–8900
www.sideplate.com