

# *The Intelligent Workplace* Structure





Modular components



Minimum packaging



4 day erection process



Modular structural bays



Bolted connections



Internalized structure - Stressed-skin roof and facades without penetration



Nucor-Yamato 100% recycled steel; Prefabricated modular trusses & columns

## Intelligent Workplace Structure

- **Provide Spatial Adaptability with Individual Access to the Natural Environment**

- Increased periphery
- Column-free interiors
- Reconfigurable, modular components

- **Optimize Design/Engineering to Reduce Material Use**

- Use of recycled materials
- Low-waste manufacturing
- Open web deep trusses for system integration and reduced material
- Prefabrication and increased modularity to reduce waste
- Design for assembly/disassembly for re-use and/or recycling

- **Maximize Speed of Constructability, No-waste Construction Processes**

- Truss and column prefabrication, modularity, bolted not welded
- Table structure for ease of erection
- Four-day assembly without on-site waste
- Floor assembly process

- **Design/Engineer Interfaces with Enclosure, Infrastructure & Interior Systems**

- Open web trusses for large mechanical ducts, open pathways, full access
- Secondary floor structure for telecommunications, open pathways, full access
- Structural frame supports uplighting, power distribution and distributed sensors
- Structural frame coordinated with enclosure, interior and infrastructure systems
- Internalized structure, wrapped by enclosure to eliminate thermal bridging, minimize dimensional change and increase longevity