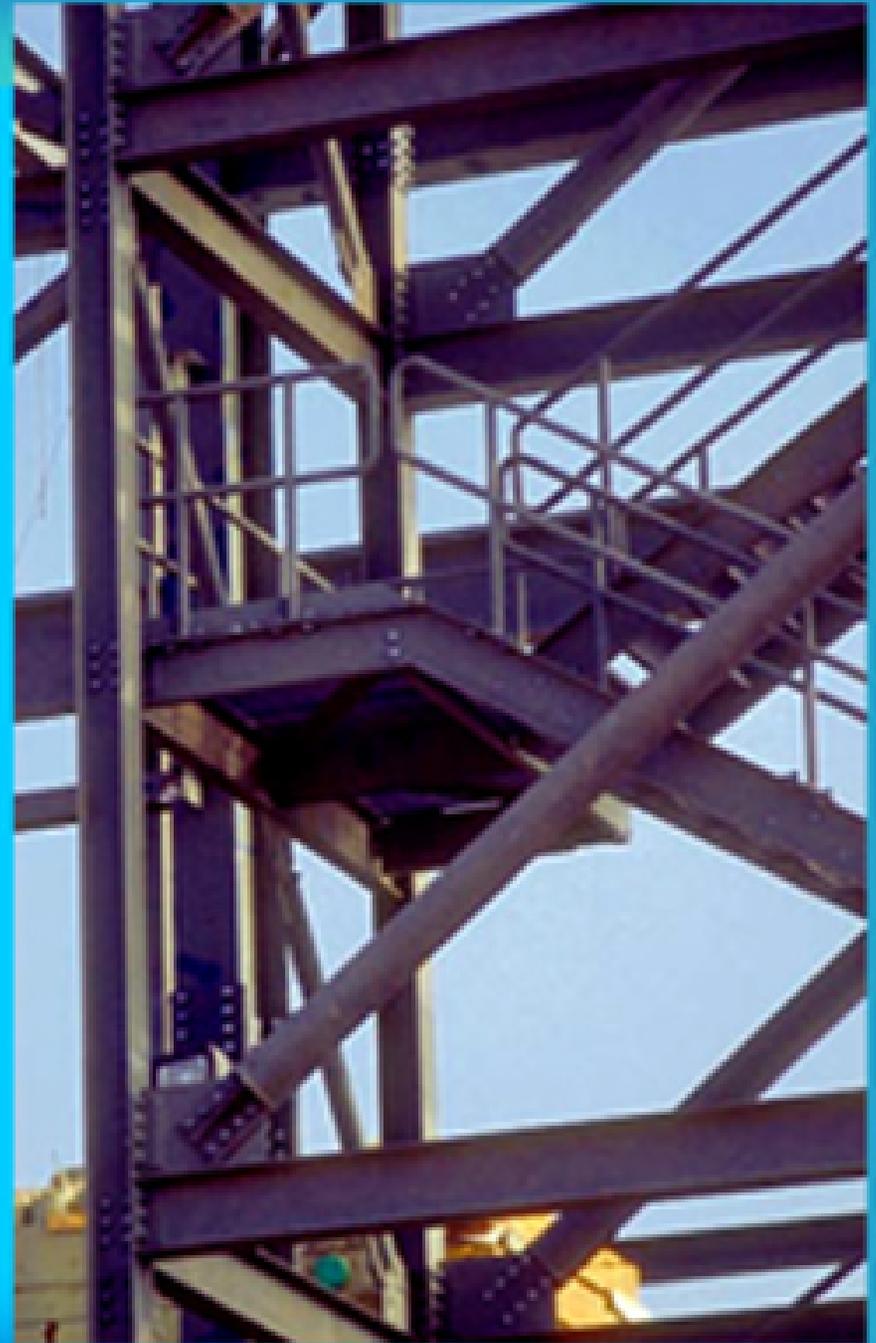


Migration Towards CIS/2

John E. Manuel
Design Supervisor



Bechtel Corporation
Houston, Texas



CIS/2 Benefits over SDNF

- Global Capability
 - Standards Referencing
- Comprehensive
 - Maps all Aspects of Structural Products
- Not Bounded by System/Software Versions
 - Step Part 21 Text Files
 - Data Repository

Schedule Reductions

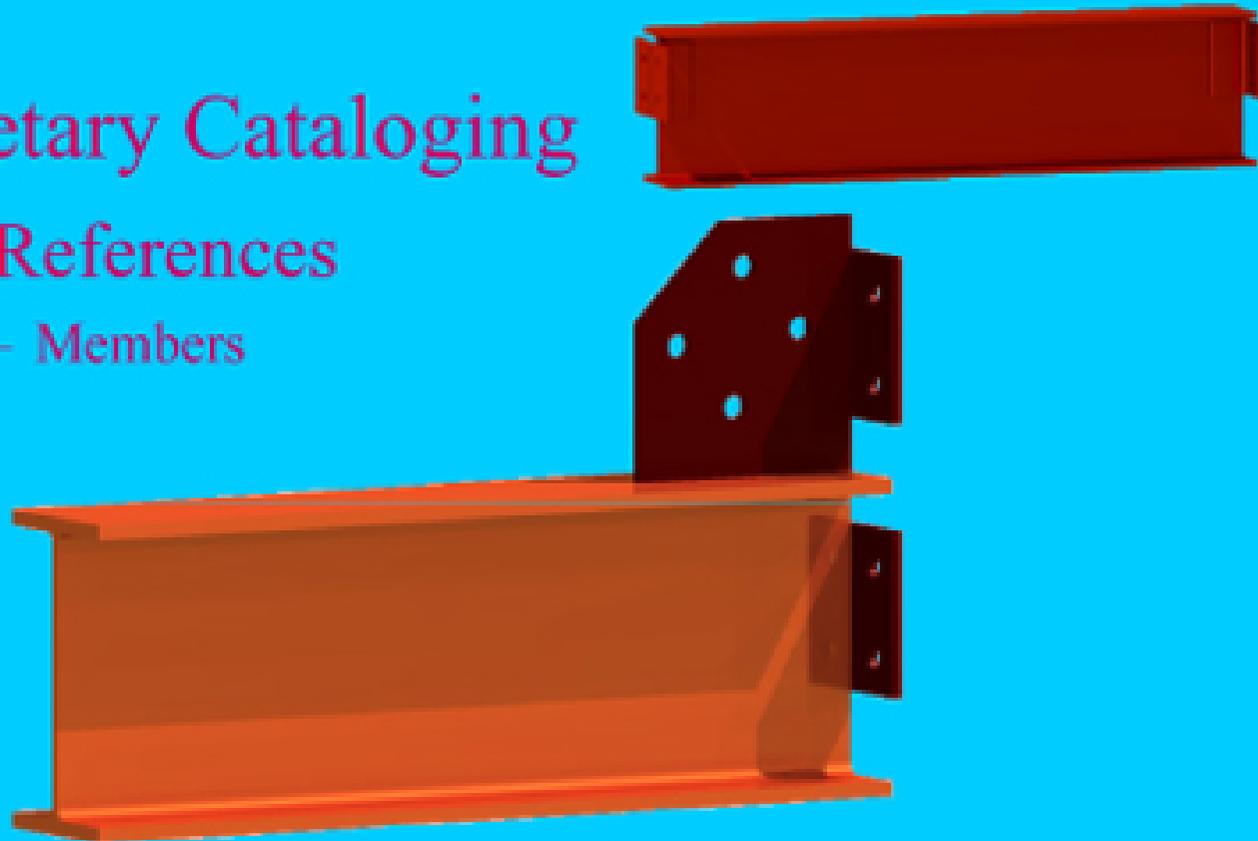
- Proprietary Cataloging
 - Part References



Members

Schedule Reductions

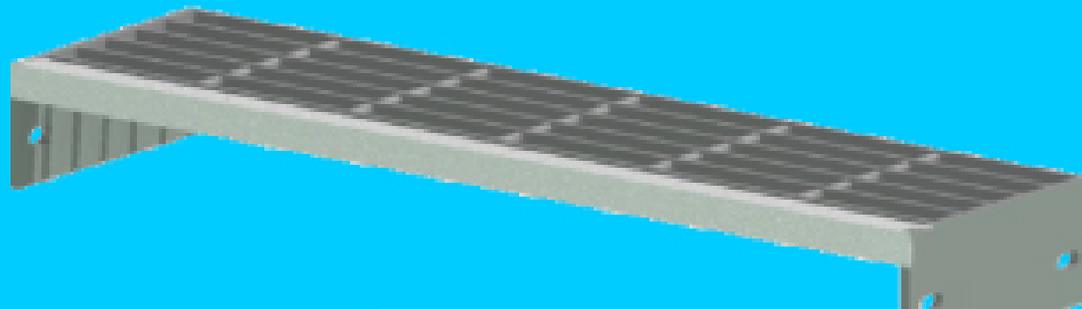
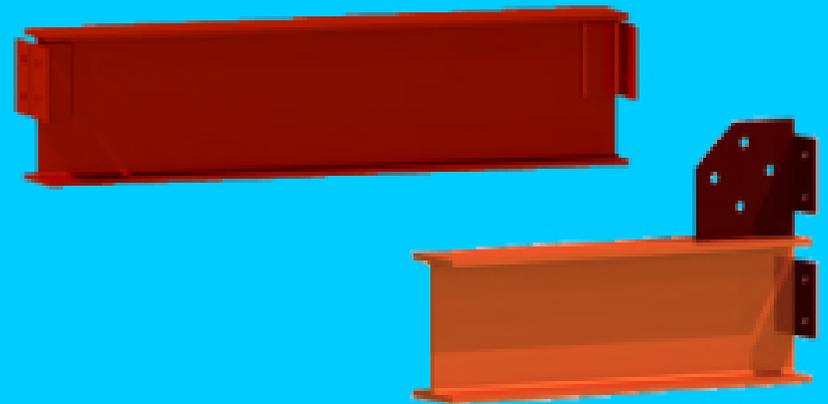
- Proprietary Cataloging
 - Part References
 - Members



Connections

Schedule Reductions

- Proprietary Cataloging
 - Part References
 - Member, End Connection



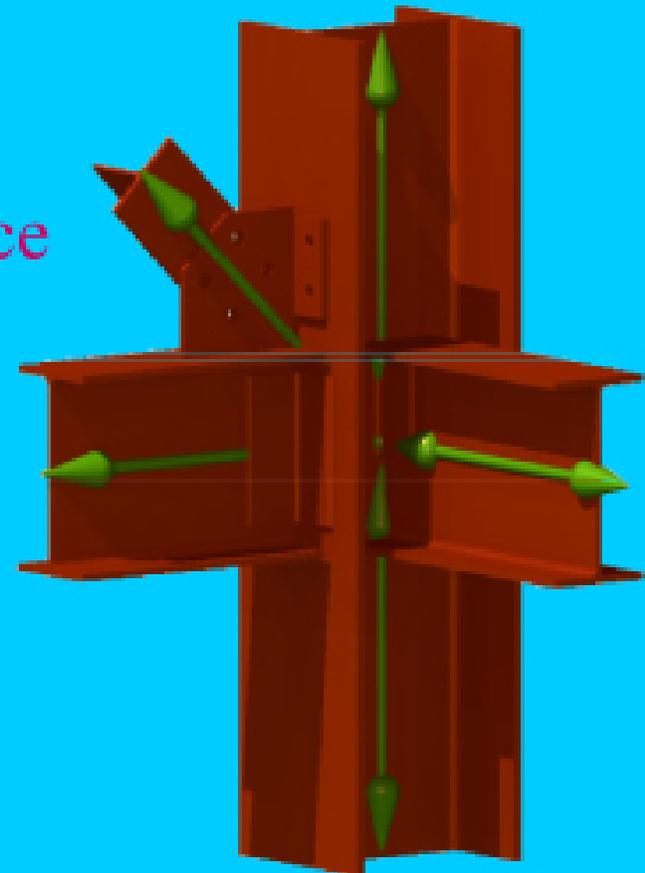
Schedule Reductions

- Proprietary Cataloging
 - Part References
 - Member, End Connection, Misc. Items
 - Industry Standard Nomenclature



Schedule Reductions

- Loaded model
 - Analysis Results | Resistance



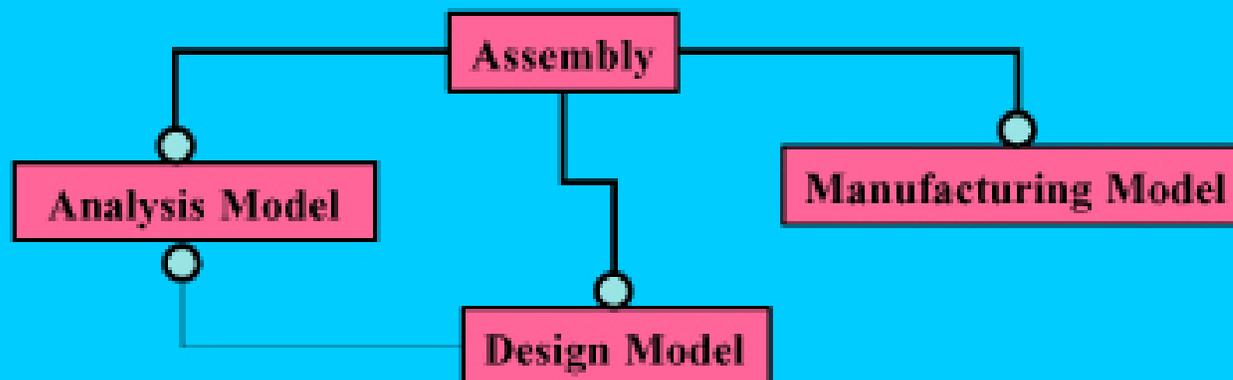
Schedule Reductions

- Proprietary Cataloging
 - Part References
 - Member, End Connection, Misc. Items
 - Industry Standard Nomenclature
- Loaded model
 - Analysis Results | Resistance



One Model Many Applications

- Mapping between
 - Analysis, Design, Manufacturing



One Model Many Applications

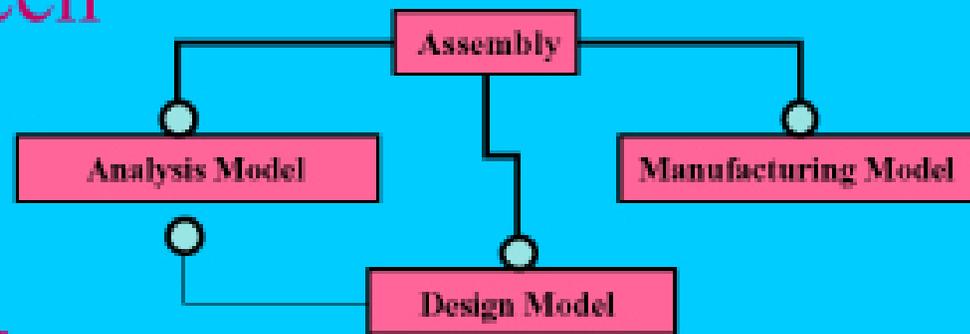
- Application By Task
 - Select The Best!



One Model Many Applications

- Mapping between

- Analysis
- Design
- Manufacturing



- Application By Task

- Select The Best!

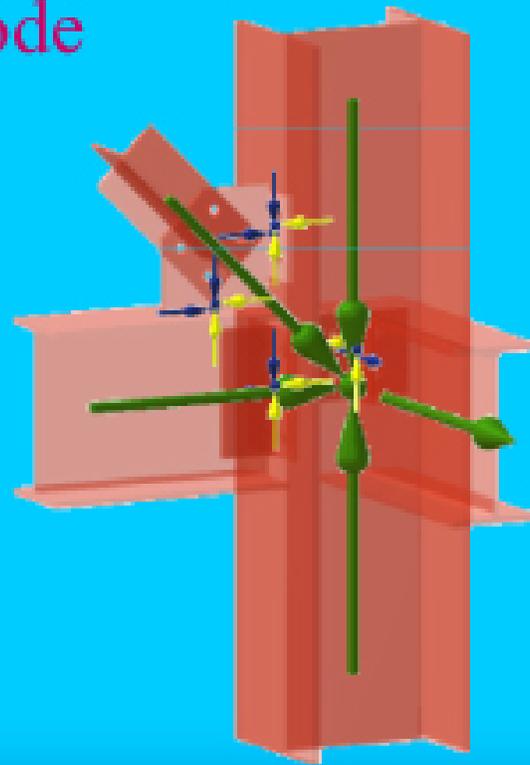


Data Management

- Managing Application
- Creation/Modification Date/Time
- Review/Approval/Lock-Out

Structural Economy

- Design Joints Systems
 - Aggregation of Members and Material about a Common Node



Call to Action

- Engineering
 - Demand Quality Translators from Vendors
- Project Management Teams
 - Implement On Your Project
- Owners
 - Rewards for Data Quality