

*Structural Steel...*



*Faster, better and cheaper  
through EDI*

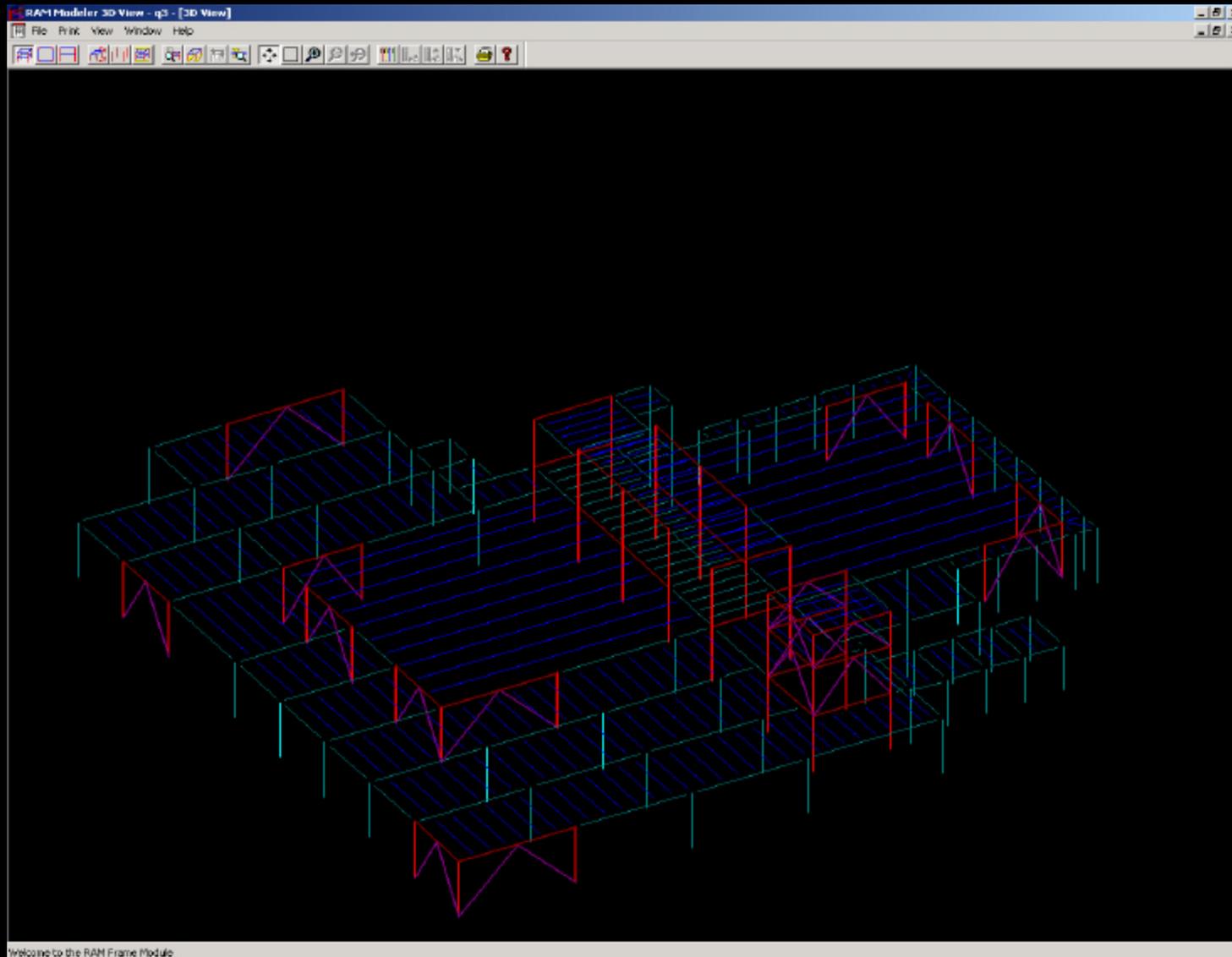
# *What Is EDI?*

- EDI stands for Electronic Data Interchange.
- It is an initiative spearheaded by AISC that will allow for the transfer of Electronic Data between software applications through a common interface known as the CIS/2 translator.

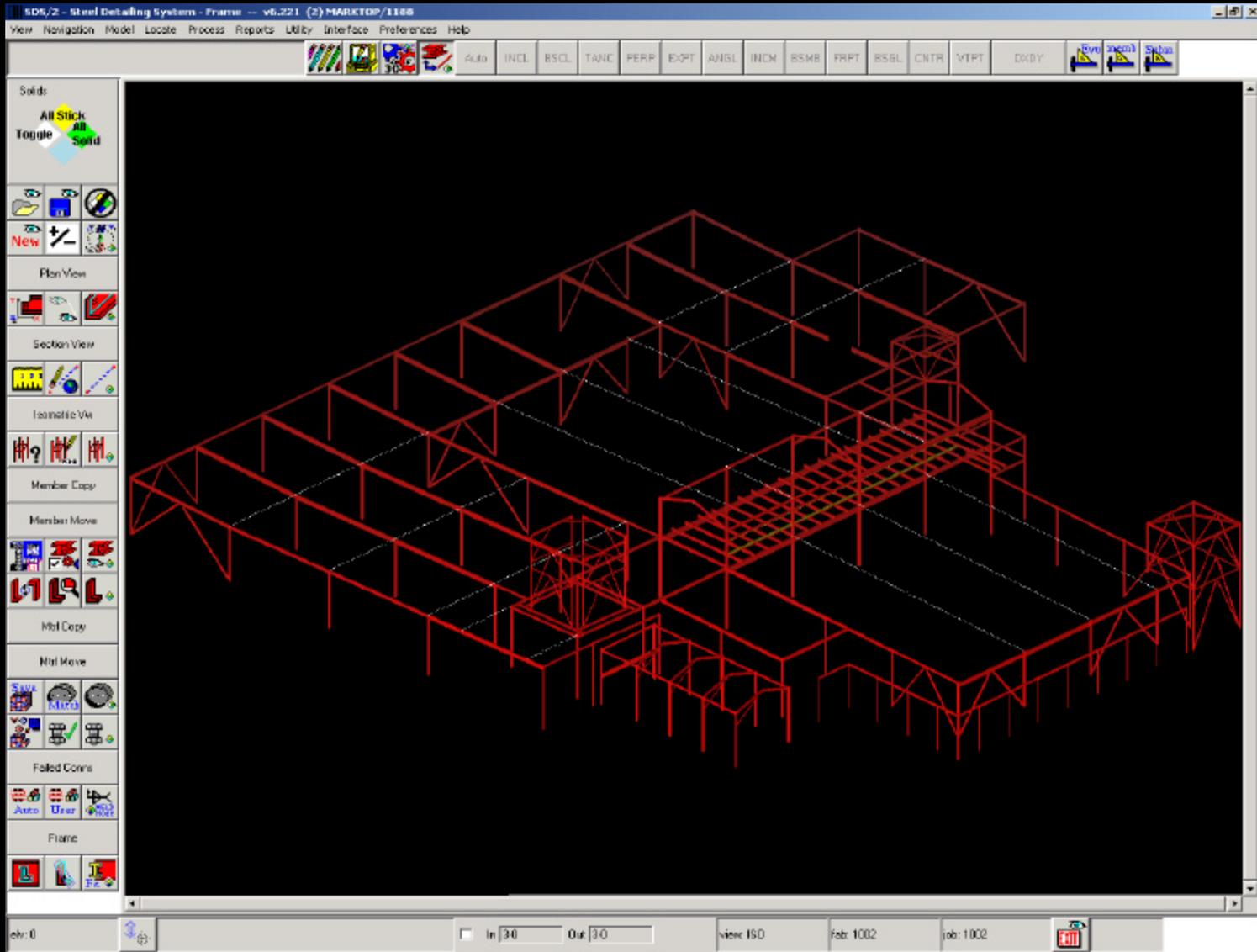
# *What does EDI do?*

- It takes several individually good tools (software applications) and makes them even better.

*It turns this...*



*Into this...*



*resulting in this...*



*EDI will make it happen...*

- Faster
- Better
- Cheaper

# *How does EDI make it happen faster?*

- Eliminates redundant effort of creating the same model over and over again within different applications.

# *Casino Project*

- 
- 85,000 s.f. Structural Steel Braced Frame
  - Multiple levels
  - Extremely fast schedule.

# *Casino Project Timeline*



- Completed Design on March 7, 2001
- Started Erection on March 26, 2001 (Detailed and fabricated in 19 calendar days).
- Completed Erection of Frame on April 11, 2001. (Erected in 16 calendar days)

# *How does EDI make it better?*

- Provides an accurate transfer of sizes and locations of members, thus reducing detailing errors.

## *How does EDI make it cheaper?*



- Reduces detailing and checking hours.
- Reduces back charges and lost time due to detailing errors. “If it is right in the model, it is right in the field.”
- Reduces costs to the general contractor and owner by enabling erection to be completed earlier than by conventional methods.

*Are there any additional  
benefits?*

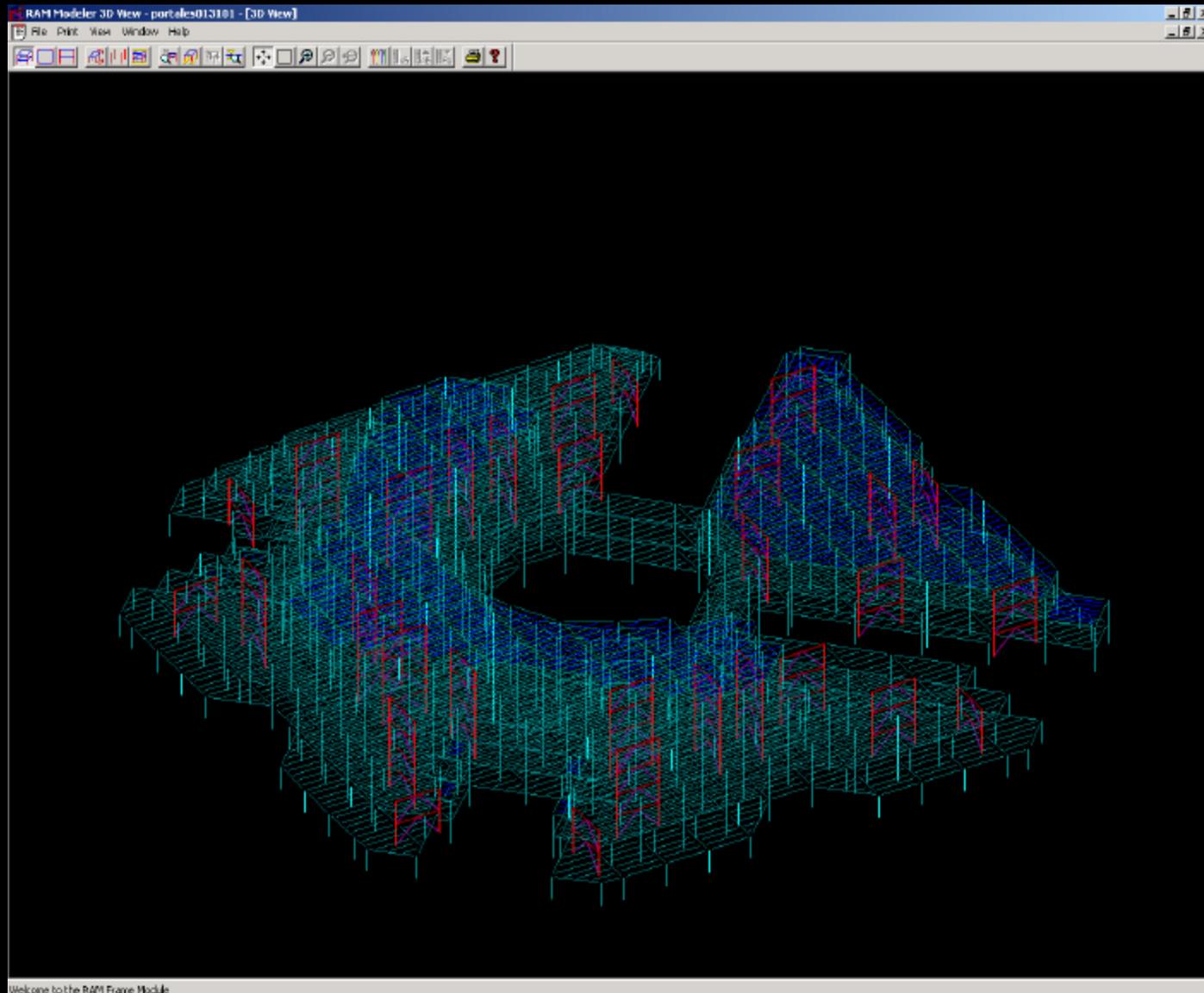
Youbetcha.....It will help  
you sell more steel!



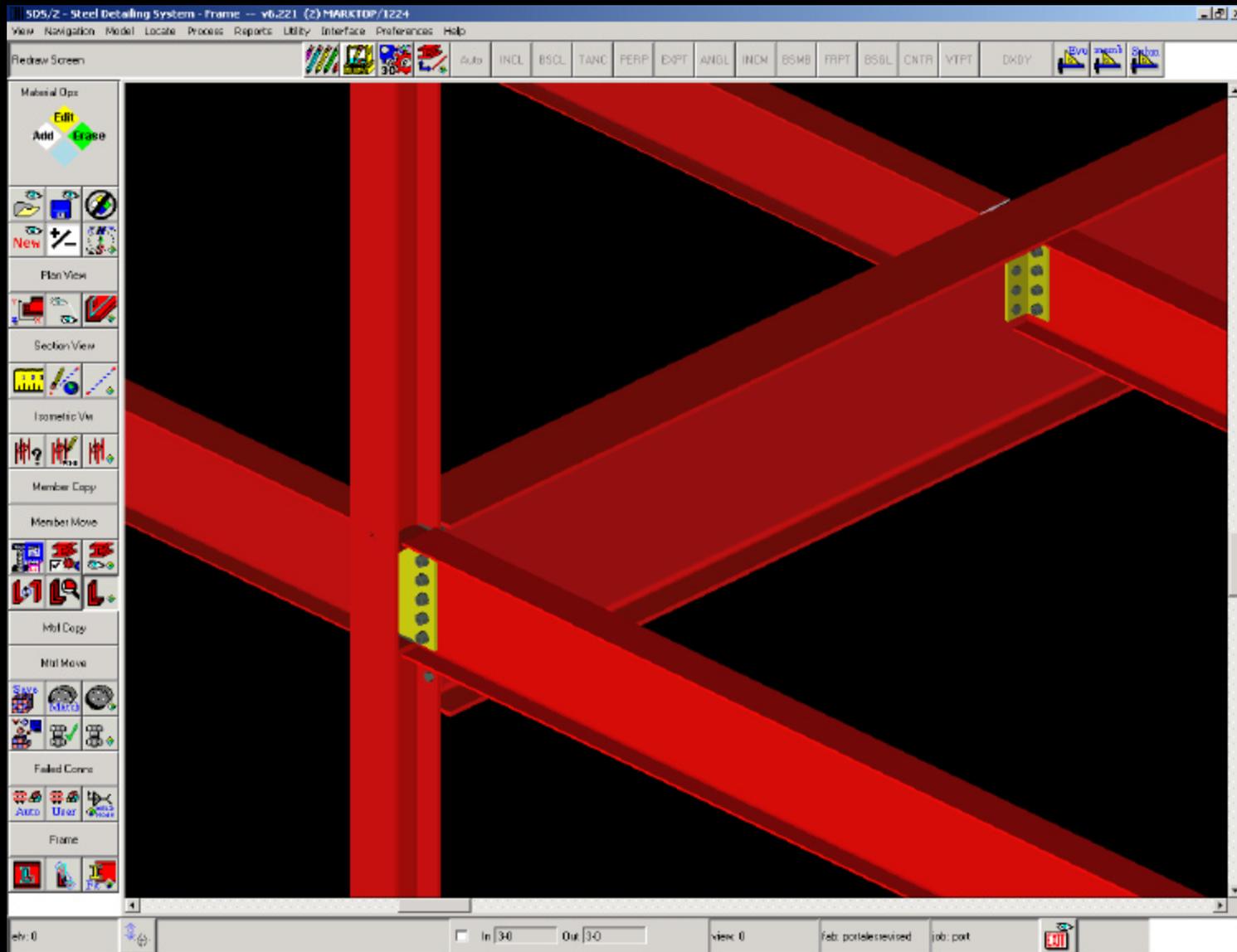
# *Project “X”*

- Originally planned as C.I.P. Concrete Structure.
- 650,000 s.f., 5 Story
- Extremely fast schedule.

# *Design Model- Project “X”*



# Detailing Model- Project "X"



## *Project “X” Timeline*



- Build Design Model (24 Hours)
- Import and process the data in the Detailing Model (5 Hours)
- Import the data from the Detailing Model into the Estimating Software (2 Hours)
- Generate GMP Pricing and Schedule (8 Hours)
- 39 Total hours from start to finish.

# *Project “X” Results*



- Approx. 2700 ton
- 6500 Main Members
- Steel Structure saves 4 months (by our estimate)
- Steel Structure cheaper overall than concrete.

*In the end...*



EDI is the mechanism that will help our industry produce structures faster, better and cheaper.