


Structural Steel...




*Faster, better and cheaper
through EDI*

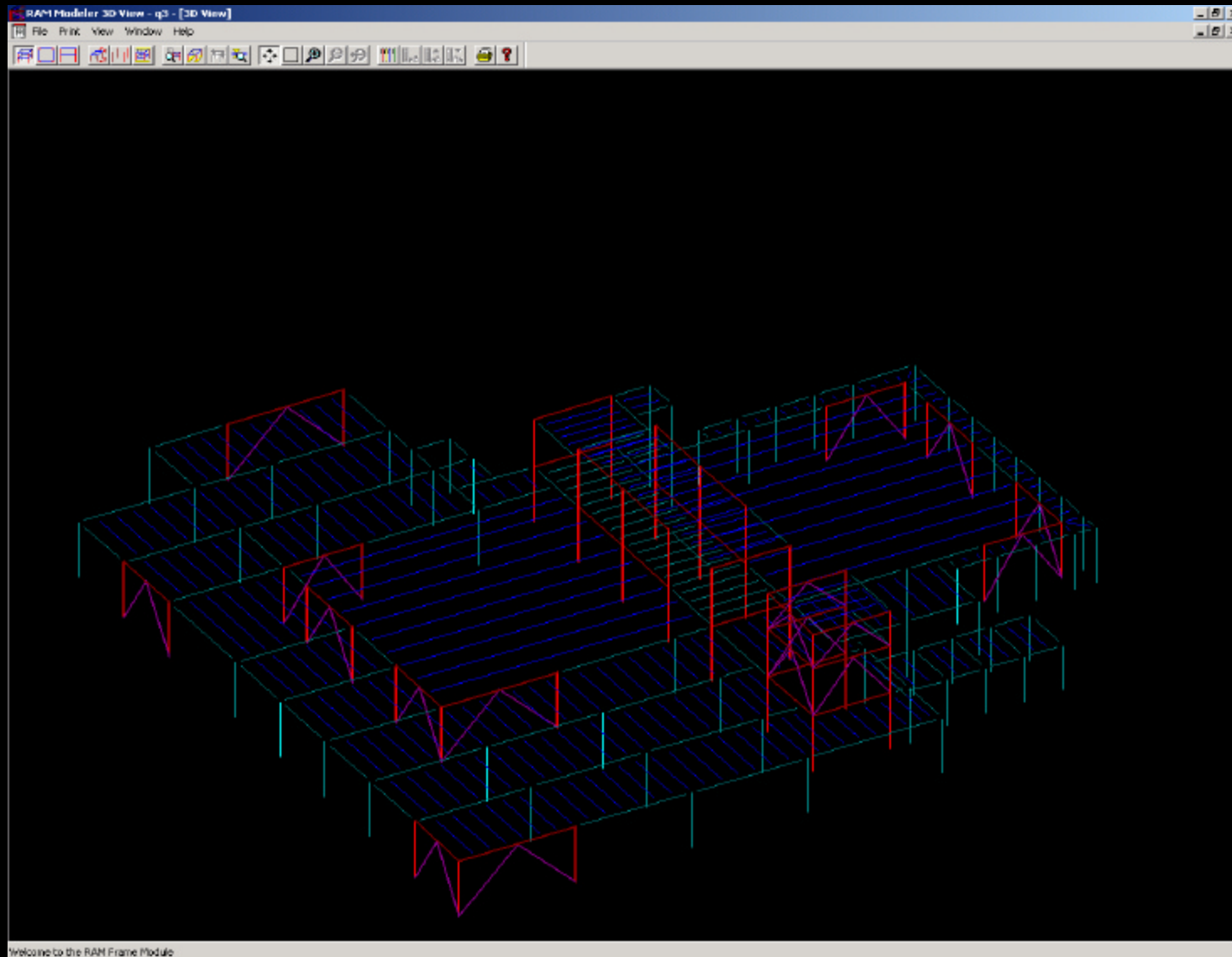
What Is EDI?

- 
- A decorative graphic consisting of a horizontal bar with a color gradient from dark purple on the left to bright yellow on the right, ending in a pointed, comet-like shape. The bar is surrounded by several semi-transparent, overlapping layers of the same shape, creating a sense of motion or depth.
- 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.

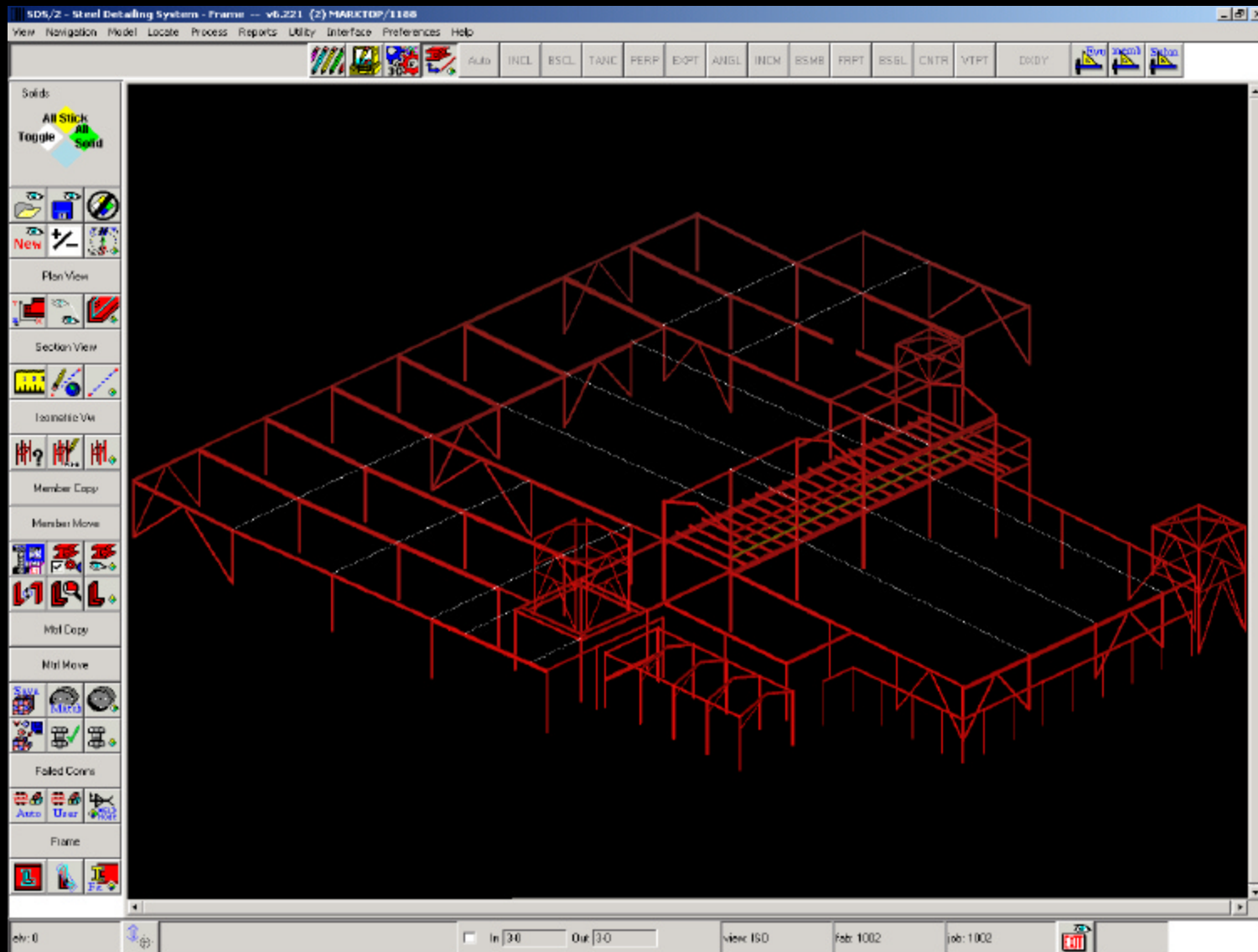
What does EDI do?

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- 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


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- 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?

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- 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!

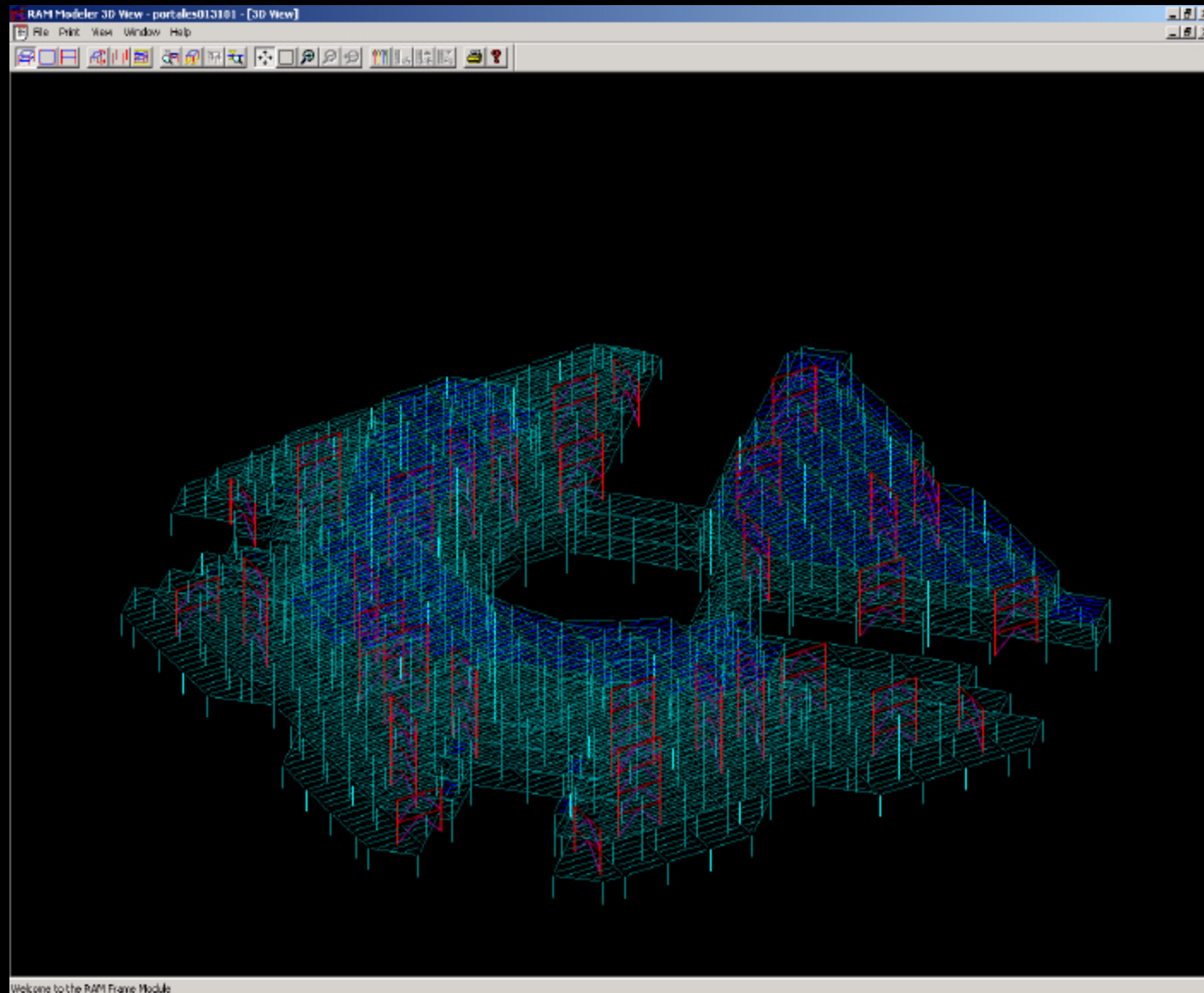


Project “X”

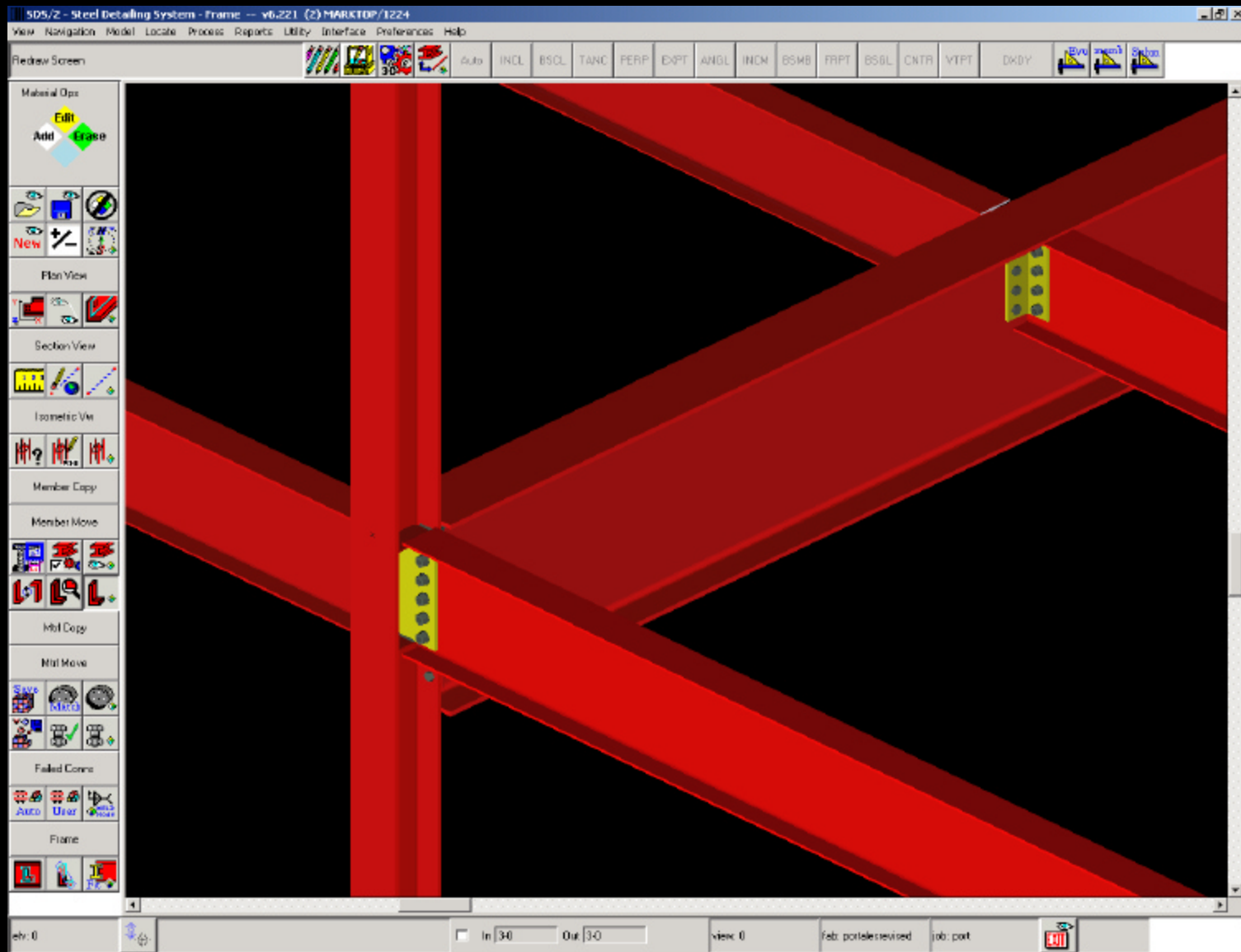


- Originally planned as C.I.P. Concrete Structure.
- 650,000 s.f., 5 Story
- Extremely fast schedule.

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.