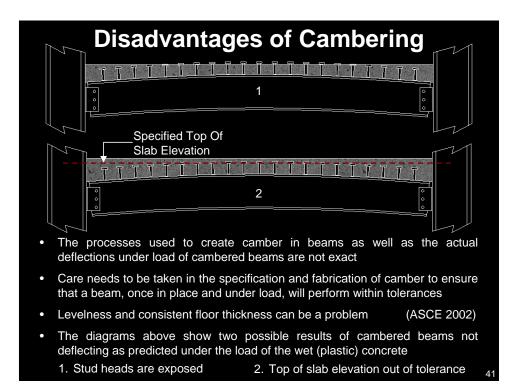
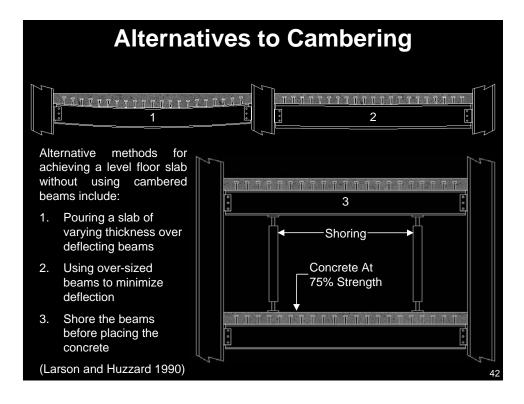
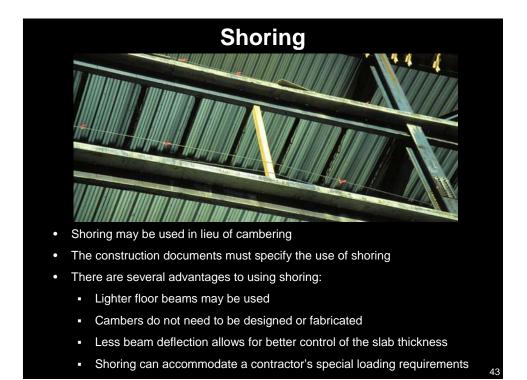
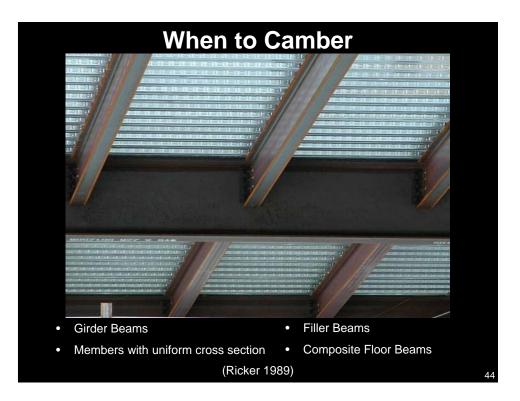


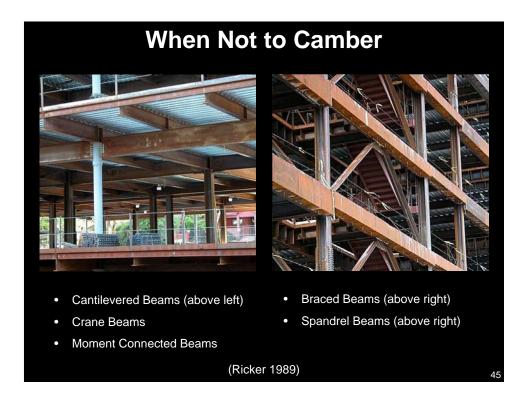
- moment connections (above left), camber should not be used in moment connected beamsBeams with simple framing connections (above right) may be cambered
- Beams with simple framing connections (above right) may be cambered because the end rotational resistance of a simple connection is small in comparison to that of a moment connection

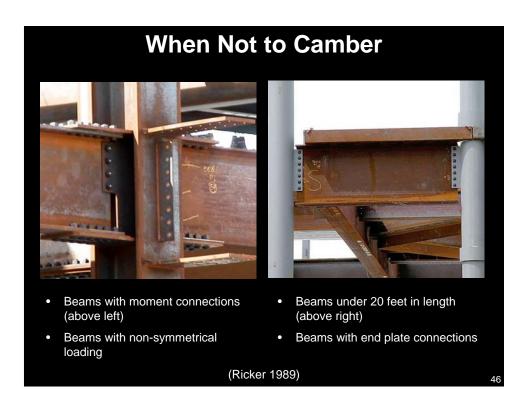


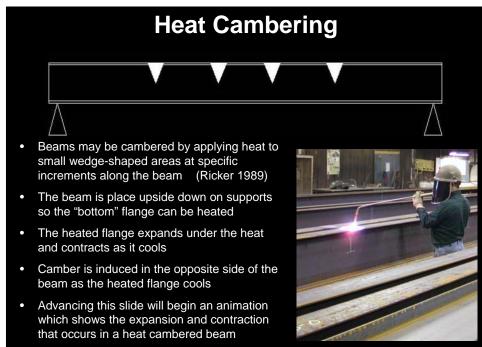




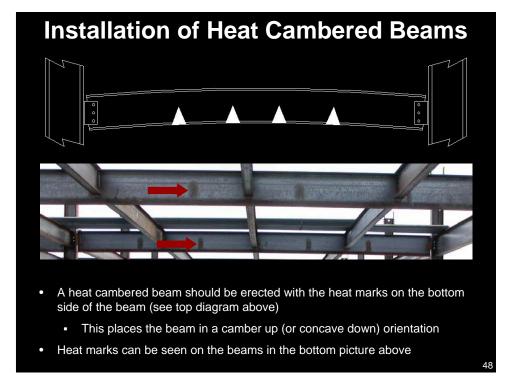


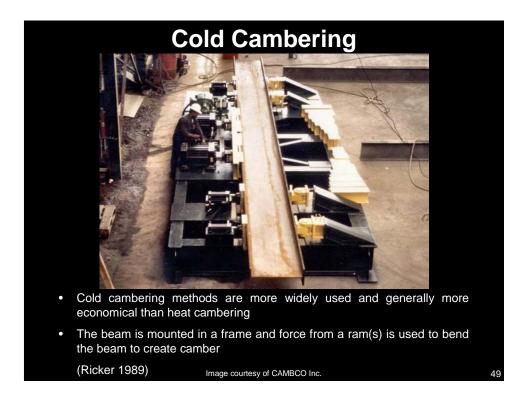


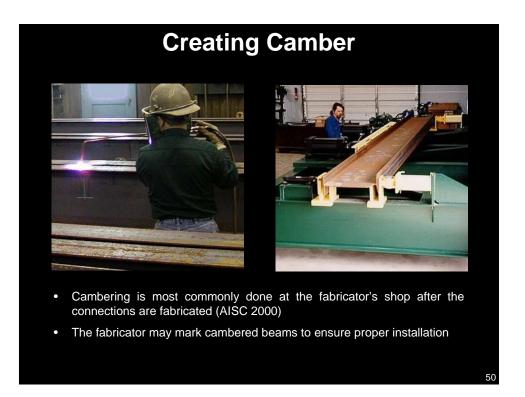


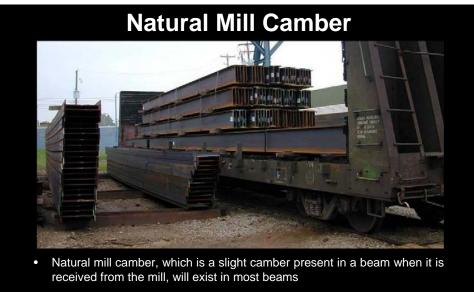


The animation will repeat after several seconds

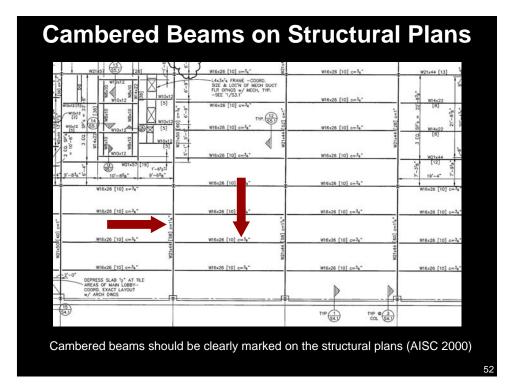


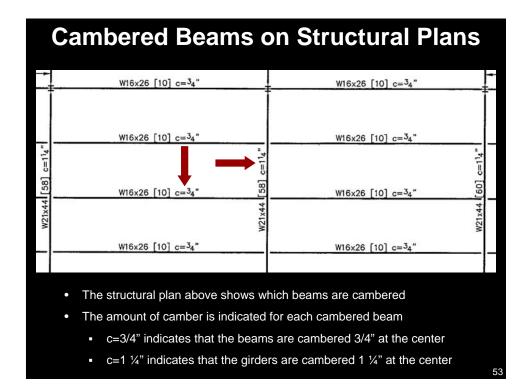


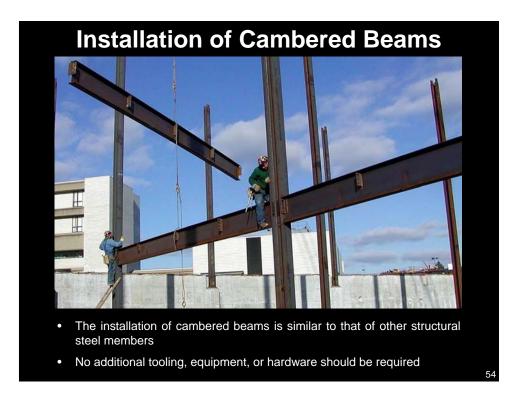


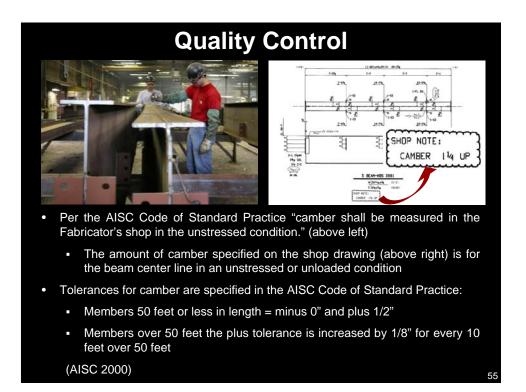


- If the natural mill camber is at least 75% of the specified camber, no further cambering by the fabricator is required
- If camber is not specified, the beams will be fabricated and erected with any natural mill camber oriented up (or concave down) (AISC 2000)











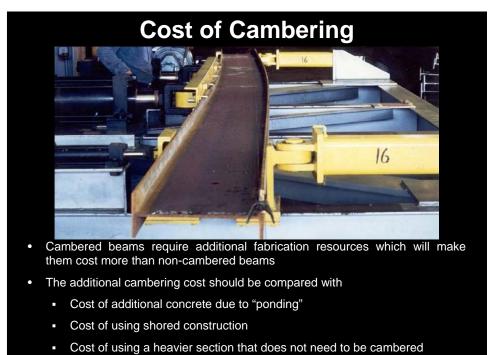
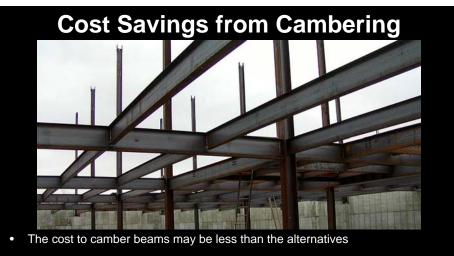


Image courtesy of CAMBCO Inc.



- A cost comparison can reveal the savings associated with the use of cambered beams
- Larson and Huzzard (1990), in their study of cambered beams and uncambered beams found a cost savings of approximately 4%
 - A 30' x 30' bay size was used
 - Filler beams were spaced at 10' o.c.

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- There will be an increase in fabrication duration for structural steel to account for time required to create camber in beams
- The amount of time required to create camber is dependent on a fabricator's internal scheduling and fabrication methods

59

