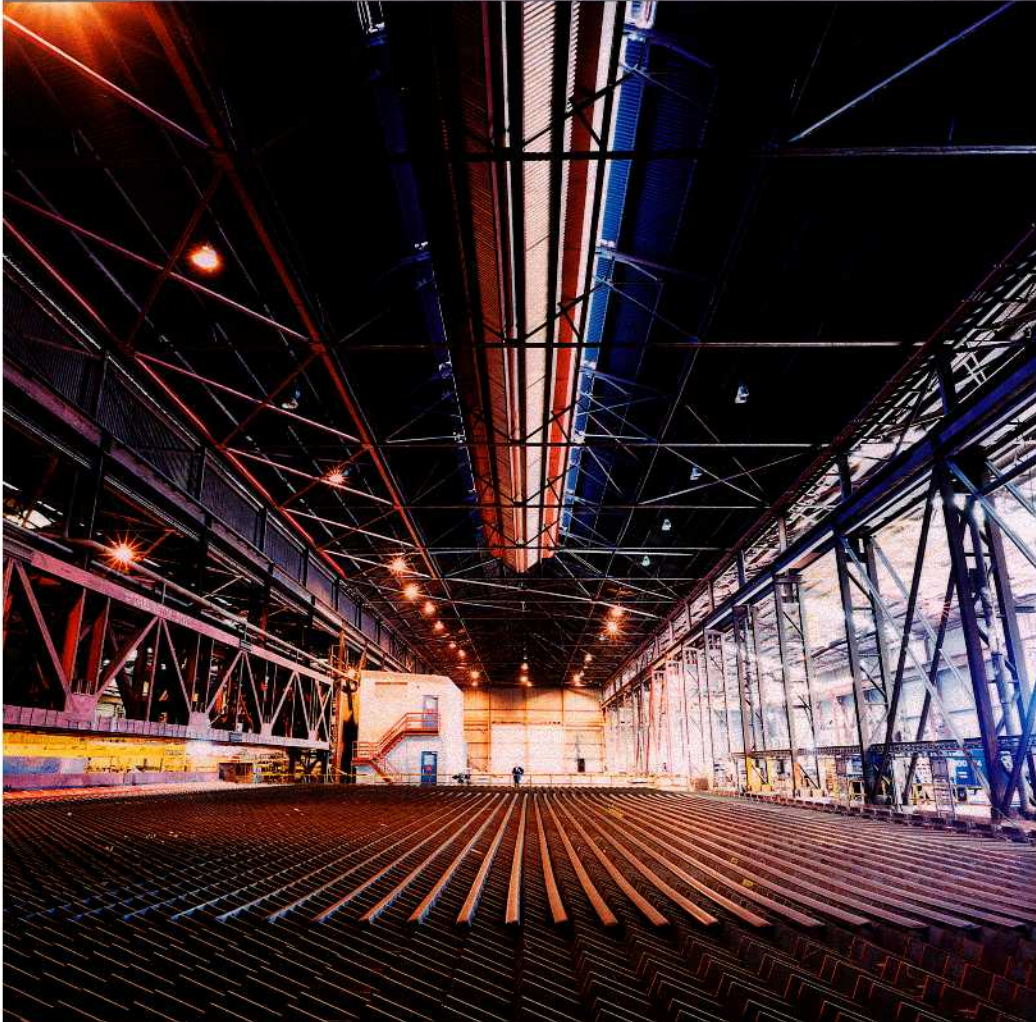


STRUCTURAL COOLING BED DESIGN



OBJECTIVE: To design and install a cooling bed to improve quality and product range with no production down-time

SOLUTION: The new cooling bed was installed and commissioned with no unscheduled mill delays. To accommodate the new bed, the team had to remove 180' of building columns and replace them with a 180' bridge truss. The existing equipment was temporarily supported—in full operation—while the new foundations and equipment were installed. An innovative within-the-roof monitor eliminated wind and snow loads. The new 168' x 90' cooling bed can handle angles, channels, flats and beam products up to 12" wide and 160' long. By the second shift, the new bed was already in full production.



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