



ENDEAVOR HALL Educational Project



PROJECT DESCRIPTION:

- ◆ Evaluated two-story Intermediate Steel Moment Frame with Welded Flange Plates constructed in 1984 for seismic issues related to a conversion of the occupancy from an office building to an educational building. Upon evaluation of the structure it was determined that the story drift exceeded current adopted code allowable drift requirements, and the column and beam connections did not meet the “strong column weak beam” requirements of the code. Additionally, calculations indicated that the columns were overstressed.
- ◆ Subsequent analysis was conducted to determine how the structure could be strengthened to conformance. It was determined that with the addition of reinforced concrete masonry unit walls (CMU) strategically placed in the interior and exterior that the structure would be brought into conformance with the code prescribed requirements.



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