



BARCUS STRUCTURAL
ENGINEERING

City Vocational Center *Dinuba, California*



Client / Contact

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Description

Structural analysis and design of 39,000 sq. ft. 2-story city owned vocational center, including 19,000 sq. ft. shell at 2nd story. Structural system composed entirely of structural steel, including light-weight concrete composite metal deck at 2nd floor and roof mounted mechanical penthouse. Full-height tube steel (HSS) columns allowed for unbraced parapets. Lateral force-resistant system composed of eccentric braced frames (EBF), a highly ductile system suitable for regions of high seismicity, to accommodate traditional, regular window placement by Architect which would interfere with typical concentric braced frame system.



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