



BARCUS STRUCTURAL  
ENGINEERING

# EOC/LCC Neighborhood Youth Center

*Fresno, California*



### Client / Contact

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### Description

Structural analysis and design for three building neighborhood youth center. The first a 17,000 sq. ft. recreation building, including a 10,000 sq. ft. CMU gymnasium designed as “essential facility.” Structural systems included architecturally exposed open-web bow trusses and open-web steel joist roof systems over light-wood framed and CMU shearwalls respectively. The second, a 16,600 sq. ft. single story administration building with light-wood framed walls supporting engineered lumber joists and architecturally exposed engineered lumber open-web bow trusses and wood panel diaphragms. A vocational building utilizing a prefabricated metal building interior was also predesigned and specified, including a partial mezzanine.



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