

South Davis Recreation Center



South Davis Recreation Center
Bountiful, Utah
183,650 Square Feet
Completed in May 2007

This recreational facility houses an Olympic size indoor hockey arena, two indoor swimming pools, two indoor gymnasiums, two indoor suspended running tracks, weight rooms, racquetball courts, and locker rooms. The roof framing is constructed of wide-flange and open-web joists and girders bearing on masonry walls, masonry pilasters, and steel columns. Portions of the building are two levels with most areas having 30'-0" plus clerestory spaces. To enclose the large open spaces, a system of masonry pilasters spaced approximately 20'-0" o.c. with 8" masonry spanning horizontally between vertical pilasters was used. A 40'-0" tall, steel clerestory frames the entry-way and is the focal point for the structure. A suspended running track extends through the clerestory. The clerestory and running track are laterally braced with vertical trusses, concentric braced frames, and special reinforced masonry shear walls.