

# Great Park Ice & FivePoint Arena



a **NUCOR** company



## LOCATION

Irvine, CA

## SIZE

212,000 sf

## ROOF SYSTEM

Nucor SR2 Insulated Metal Roof Panels

## WALL SYSTEM

Nucor ST40 and DM40 Insulated Metal Wall Panels

## BUILDING END USE

Ice Arena & Sports Complex

This incredible facility features three indoor NHL-regulation ice rinks and one Olympic regulation rink. The rinks serve as the training facility for the professional NHL team, the Anaheim Ducks®, and offer public skating, skate lessons, curling, youth and adult hockey. Additionally, there is an in-house pro shop, indoor gym, restaurant, and bar and café within the facility.

It consists of two Nucor pre-engineered metal buildings, and a connecting building. One of the buildings, housing the Olympic-size rink and two NHL rinks, is a 221' x 423' x 35' clear span structure. The other, an arena with an NHL rink and 2,500 seat capacity, is also a clear span building measuring 168' x 282' x 38'. Due to housing four ice rinks and keeping the building at a constant 55 degrees in Southern California, the facility was designed similar to a cold storage facility by utilizing Nucor ST40 and DM40 Insulated Metal Wall Panels to keep the interior temperature at that temperature. In addition, a steel buckling restrained brace system was utilized for this large of a facility. The braces are steel tubes that have a bar inside encased in concrete that create the brace.