

# SoFi Stadium

## Los Angeles, California

### Triple Pendulum™ Isolators and Cross-Rail Pendulum Bearings Designed for Optimal Seismic Protection of Stadium Roof Structure

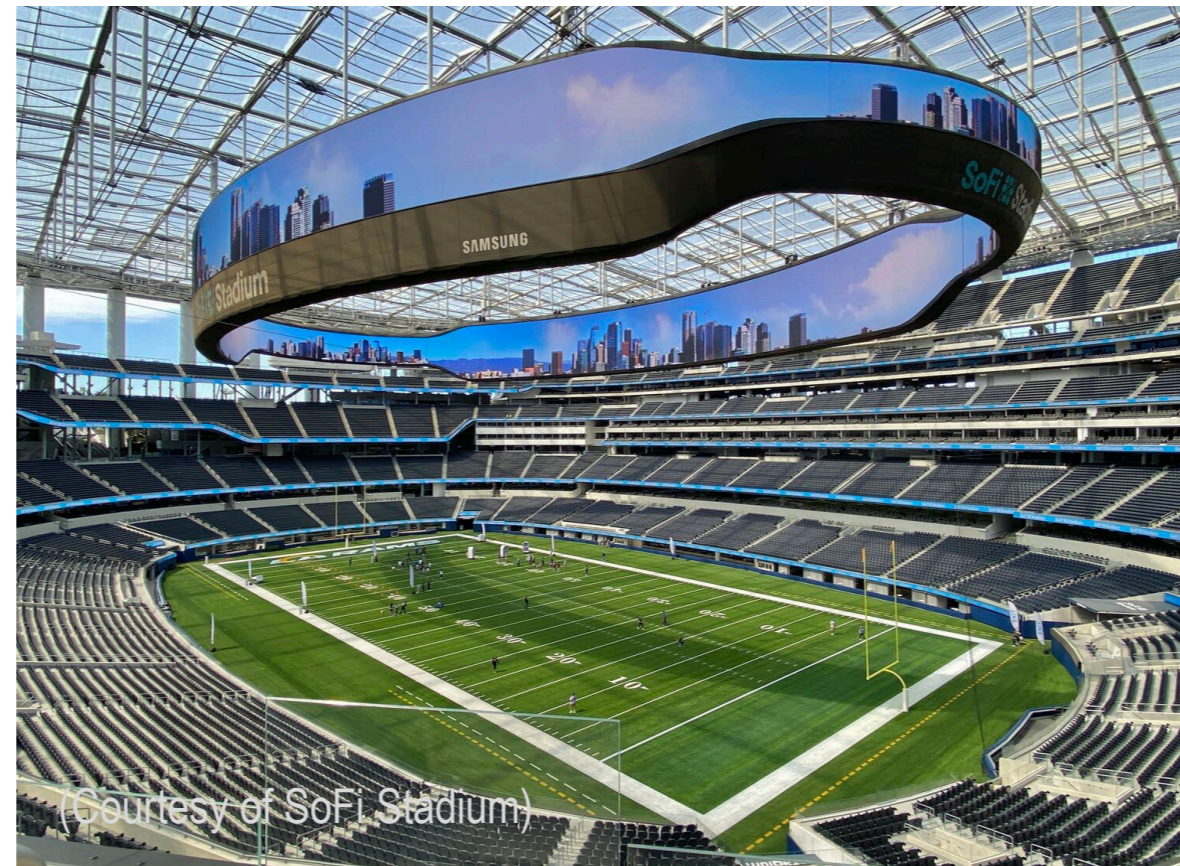
(Courtesy of SoFi Stadium)

The massive, sail-shaped, transparent ETFE roof forming part of the new SoFi stadium in Los Angeles in close proximity to the Newport-Inglewood fault is seismically protected using an array of devices, engineered, manufactured, and tested by Earthquake Protection System, Inc.

These include a total of 48 massive Triple Pendulum™ isolators at blade column tops with 80 in. (2.0 m) displacement capacity, 5 second isolated period, and 6,000-kip (27 MN) bearing capacity; Cross Rails Pendulum Bearings at each of the 4 canopy corners with 80 in. (2.0 m) displacement capacity and high tensile capacity to prevent wind-induced uplift; and large Articulated Spherical Bearings supporting the steel superstructure at select locations.

The \$2.6 billion stadium, inaugurated in 2020, includes a main, indoor-outdoor arena hosting up to 100,000 spectators, a 6,000-seat theater, and a 2.5-acre commercial plaza. In addition to holding prodigious sporting and musical events, the architecture award-winning venue is set to host the Opening and Closing Ceremonies of the 2028 LA Summer Olympics.

(Courtesy of Nic Lehoux/HKS)



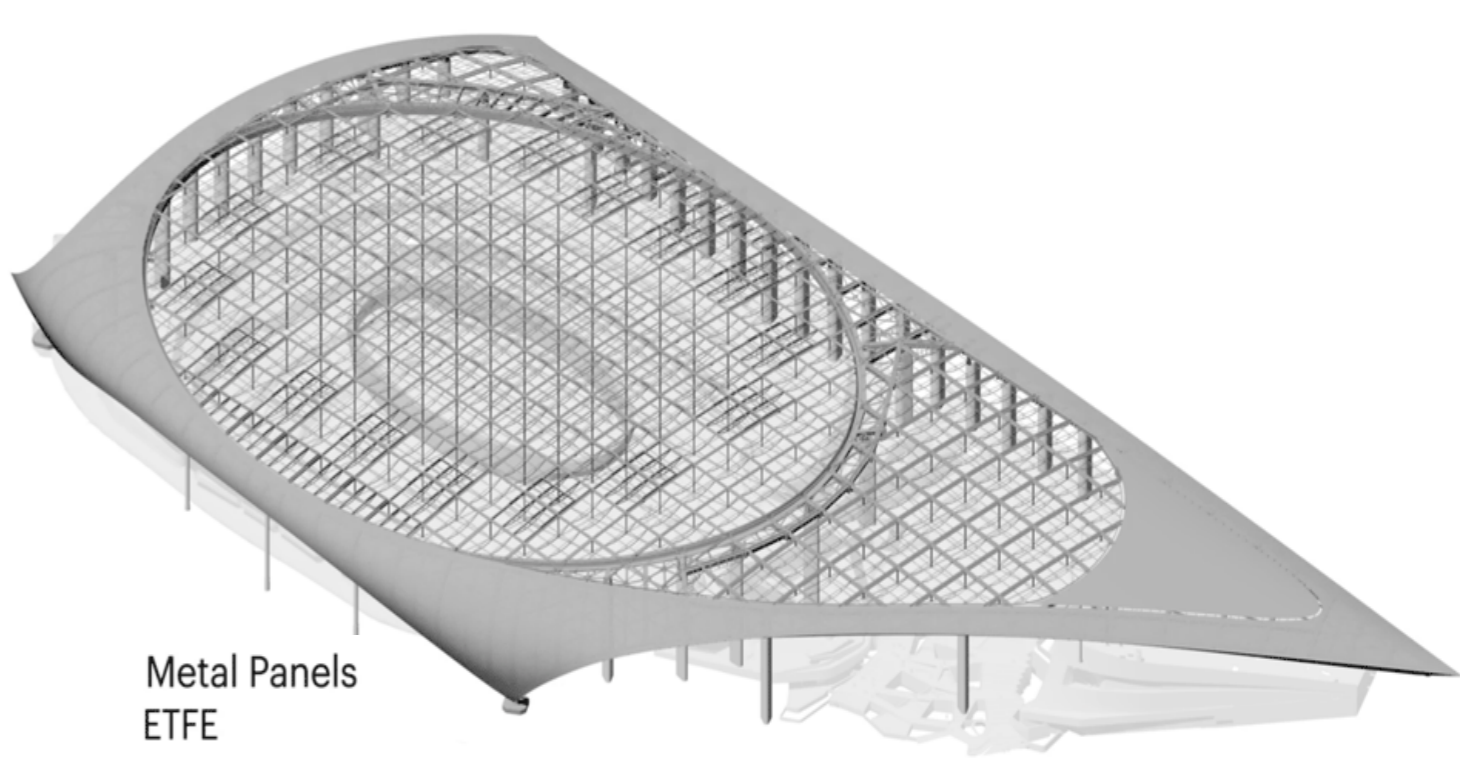
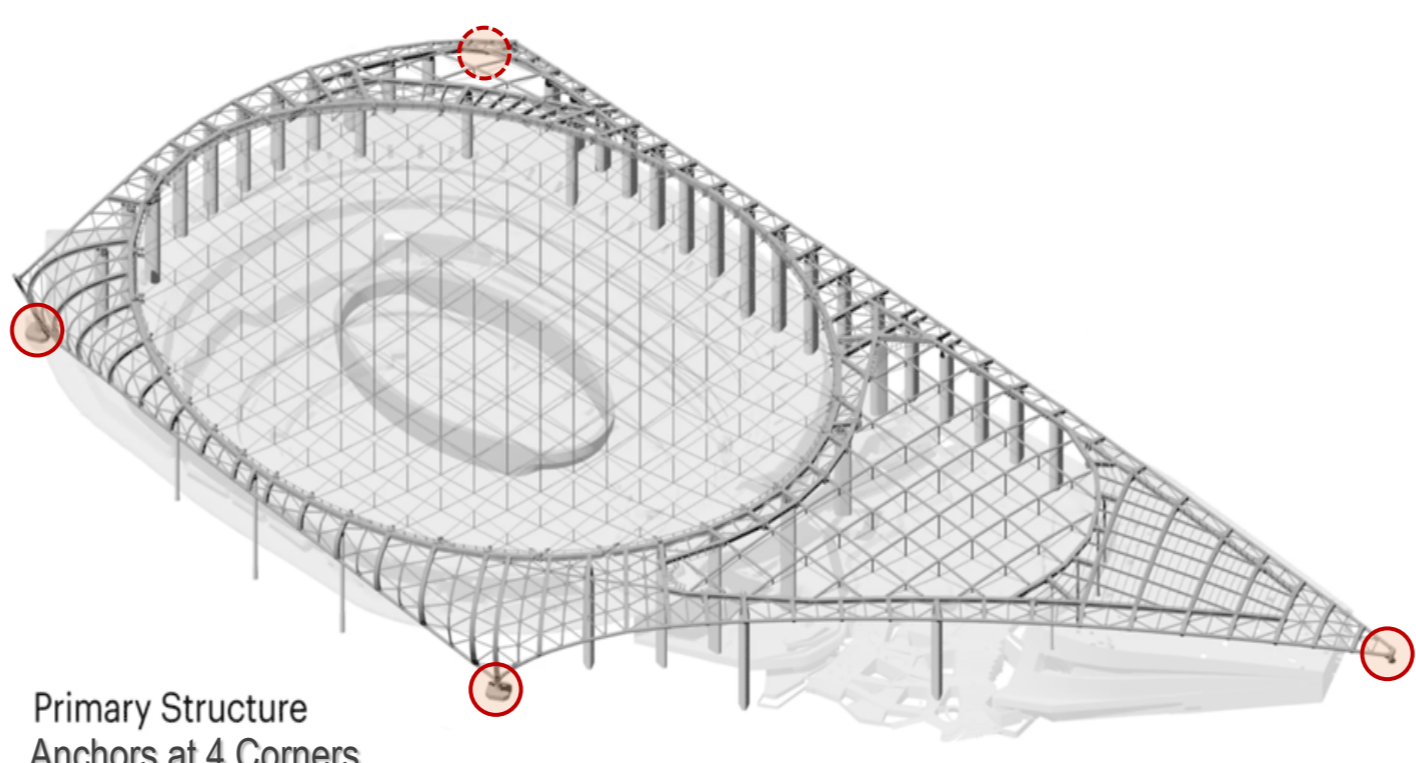
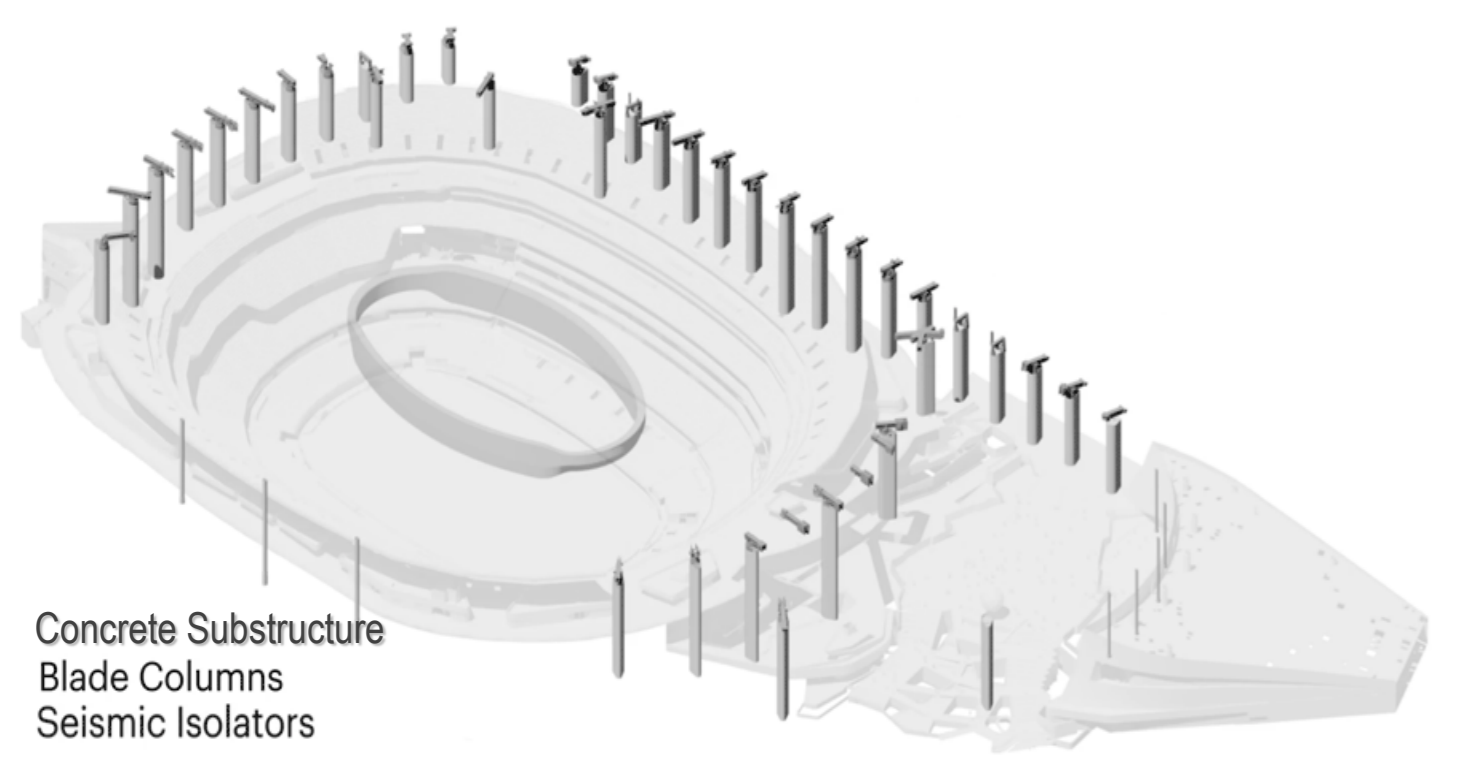
(Courtesy of SoFi Stadium)



(Courtesy of SoFi Stadium)



(Courtesy of Flickr/Decaseconds)



**Structural System Schematics** (Source: HKS Architects)



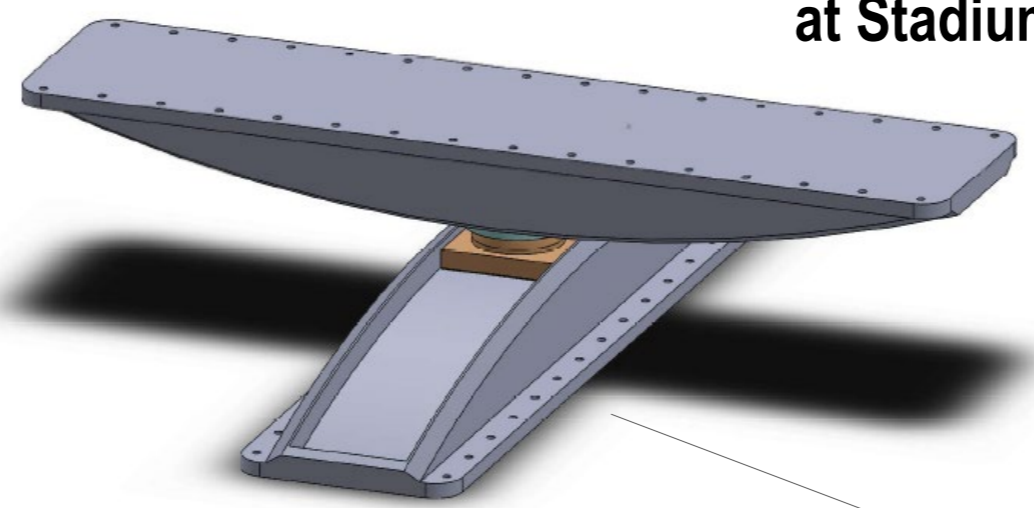
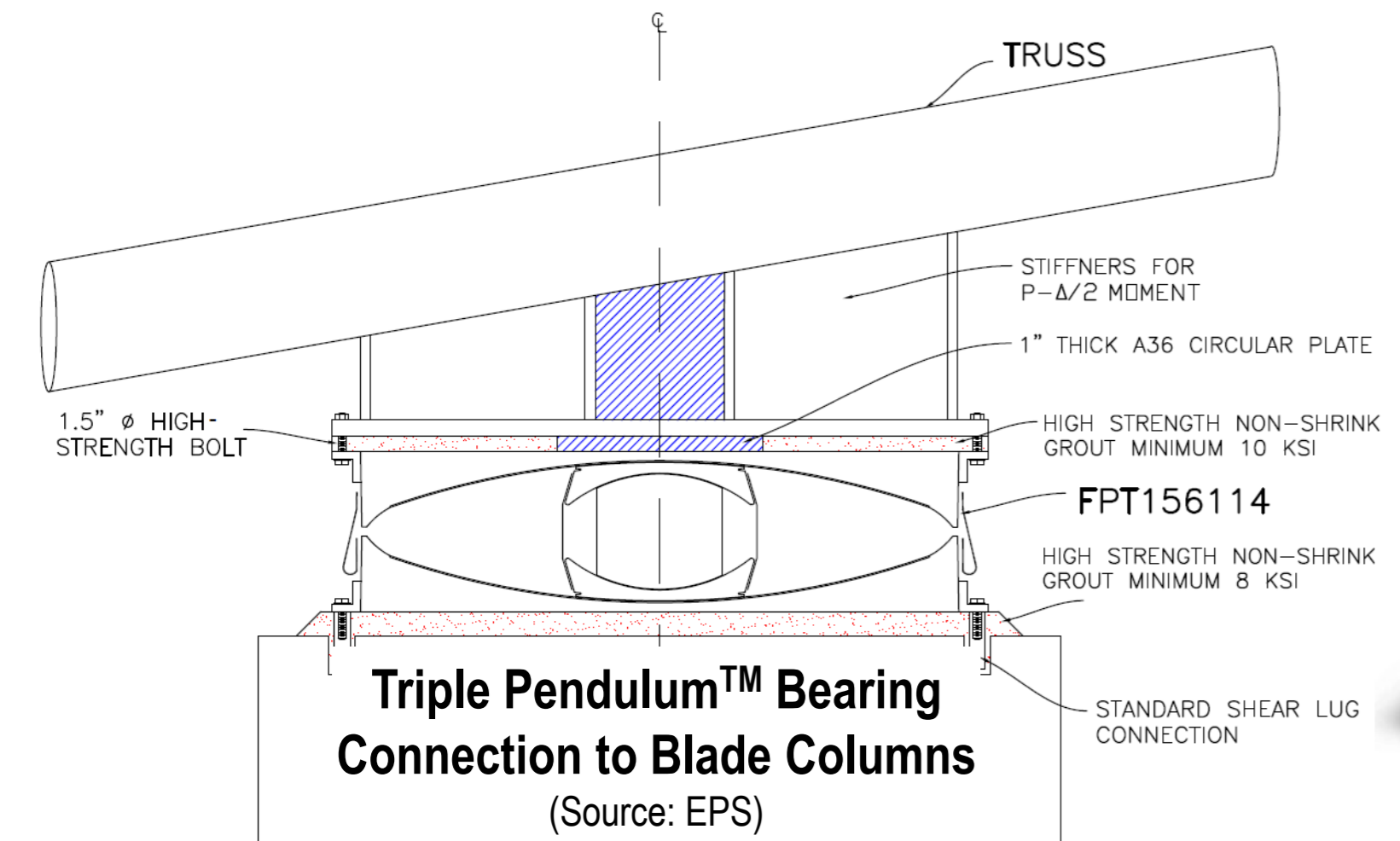
(Courtesy of Rams/Hiro Ueno)



(Courtesy of Degenkolb)



(Courtesy of SoFi Stadium/Mark Holzman Aerial Photography)



**Cross-Rail Pendulum Bearing at Stadium Roof Anchor Points**  
(Source: EPS)

