

 Commercial Buildings

## Reference Details:

**Owner** Donald Trump/ Ruffio LLC +++ **Architect** Bergman Walls & Associates Ltd, Las Vegas, USA +++ **Sub-Contractor** Century Steel Inc., Las Vegas, USA

**DSI Unit** DSI USA, BU Monostrand, Long Beach, CA, USA

**DSI Scope** Supply of 676 tons of DYWIDAG Monostrand Post-Tensioning Systems incl. Accessories



## Flat Slab Post-Tensioning of High-Rise Building in Las Vegas using the DYWIDAG Monostrand System

### Trump International Condo/Hotel Tower, Las Vegas, NV, USA

For many years, Las Vegas has been an important market for the use of the DYWIDAG Monostrand Post-Tensioning System. The high-quality DYWIDAG Monostrand System is easily and quickly installed in flat slab construction of many hotels, residential complexes and parking structures.

Particularly in Las Vegas, investors attach great importance to the fastest possible completion of structures. For example, the new 64-story hotel owned by Donald Trump / Ruffio LLC joint venture was built in only 18 months and incorporated 488 tons of DYWIDAG Monostrand tendons. The 196 m tall building has broken records in Las Vegas. Although the Stratosphere Tower is taller, the Trump Tower is the tallest hotel on the famous Las Vegas Strip. The building includes 1,000 hotel rooms and more than 50 condos and is styled in a fashion similar to its famous brothers in New York. The best known Trump Tower, built in 1983, is situated next to the world famous jeweler Tiffany's on New York's Fifth Avenue.

Also, the new Trump Tower in Las Vegas is very luxurious. The facade, for example, is of 24 carat gold glass. The height of the building reflects the trend that can now be observed in the early 21st century Las Vegas - away from theme hotels to gold glass, gold steel and height.

DSI is proud that the well proven DYWIDAG Monostrand Post-Tensioning System manufactured at DSI's plant in Long Beach south of Los Angeles is perfectly suited for the post-tensioning of flat slabs. DSI USA also supplied 188 tons of Monostrand tendons for the 5-story parking structure of the new Trump Tower. This portion of the structure incorporated the use of beam and slab construction. The continuous review and further development of DSI Products ensures that DSI can keep pace with their customers' trends without any problems.