

Central Atrium Dome

The Dome's internal façade is hung from the main triangular cladded space trusses



A network of steel bracing cables is providing for additional lateral support to the structure of the dome above the central atrium of the mall. See Figures below.

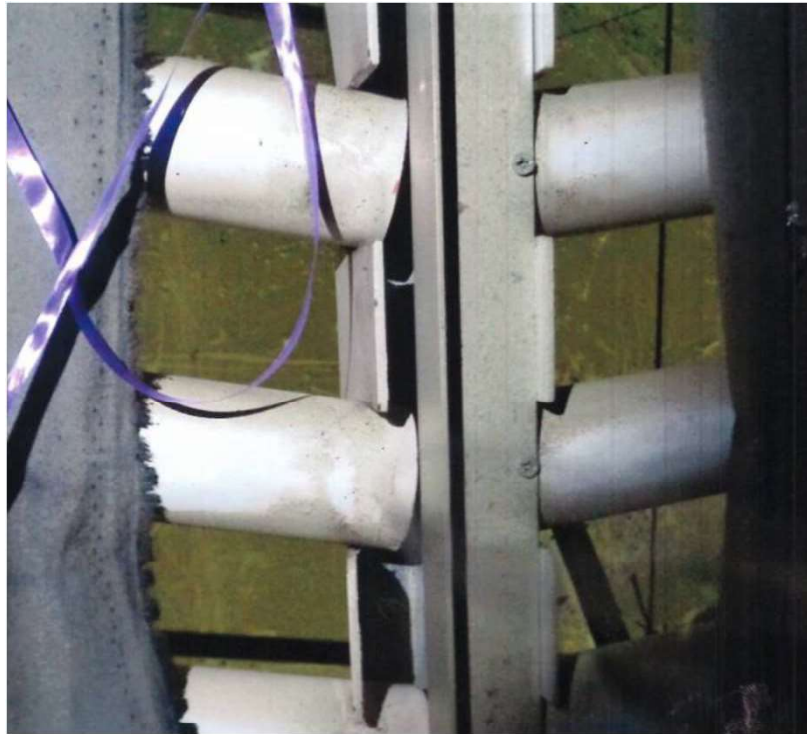




An arrangement of architectural steel or aluminum pipes is lining the inside face of the top section of the central atrium dome. The pipes located in the uppermost area are arranged horizontally while the remaining sections are arranged tangentially.



The pipes are supported at each end by steel or aluminum channels. There are numerous instances where the pipes are not connected to the rafters at these support locations and are free to be lifted out of place. Likewise, in many instances, very little bearing is observed.



The rafters that are supporting the pipes in the uppermost area (the central part of the Dome) are connected to the steel truss work of the dome via steel tie wires. These tie wires appear inadequate to provide any lateral stability because they are not braced, in the central dome area.





Side panels are covering main steel structure of the dome, internal inspection gave clear picture that some bracings are missing or they were replaced with wires

