



CASE STUDY 130

66 STORY SKYSCRAPER PARKING STRUCTURE

CHALLENGE

This 66-story mixed-use building is home to a number of prestigious establishments including department stores, a hotel, up-scale shops occupying six floors and luxury condominiums.

Virtually all shipments and deliveries of any consequence enter through a loading dock and large door on a side street. At 24' x 16', just covering this door opening presents a sizeable problem. Since the door is the "mouth" of this building, it has to be big enough to accommodate a variety of truck loads. Consequently, the longer this large door is left open, the greater the loss of energy.

Wind gusts whistling through the skyscraper canyons, coupled with low winter temperatures caused energy costs to skyrocket. And these powerful winds caused their current sectional style garage door to operate very slow.

Another major problem that building management experienced was massive repair bills in the first year of operation. Accidents resulting from vehicular collisions amounted to \$40,000 during that year. These accidents had a common pattern: As the door opened, approaching vehicles would speed toward the opening thinking the way was clear, when in actuality, the door was not completely up. The result was door damage, downtime and massive energy loss as the door remained open while being serviced.



EXTERIOR ROLL-UP DOOR FOR QUICK OUTSIDE ACCESS AND HIGH SECURITY

SOLUTION

Working with the local ASI distributor, the fragile existing sectional door was replaced with a high speed Marathon **Hydrarol** hydraulic powered door.

This change has solved the doorway problems at this facility. The maintenance expense has been eliminated. Operating four times faster than the old door means that the doorway is fully accessible in just seconds. Along with the ability to avoid accidents, the speed of the door enables efficient handling of the several hundred truck trips through the doorway that occur daily.

In addition to high speed, the **Hydrarol** has other features that made it the ideal solution.

(continued on reverse)

SOLUTION (Cont.)

Unlike fabric doors that could deliver the necessary speed, the **Hydrarol** curtain is comprised of rigid slats. Each slat has an exterior aluminum shell and interior PVC shell to provide protection against criminal intrusion. And, what about those winds? A fabric door would become a huge



sail, slowing down considerably with a wind speed of over 25 mph. The **Hydrarol** door is designed to withstand high winds, thanks to its nylon windlocks and the door's rigid slats. Weather protection is provided as the **Hydrarol** is weathersealed along its entire perimeter. Plus, each slat is insulated to R-8.

With the wind factor and level of activity in and out of this facility, tremendous demands are put on the door operator, but the **Hydrarol's** patented hydraulic operator is specifically designed to take it. Warranted for five years, the U.L. listed operator is maintenance free, a major benefit, considering the amount of traffic the door is expected to handle. Because of the unique design of the **Hydrarol**, the operator delivers superior performance without the trauma of the high winds preventing the door from operating properly.

CASE STUDY 130

EXTERIOR ROLL-UP DOOR FOR QUICK OUTSIDE ACCESS AND HIGH SECURITY

The door is actuated by remote control from the security office. Problems at the main doorway can throw off the schedules of a number of businesses in this building. The **Hydrarol** roll-up door has provided one less thing to worry about.

ASI Technologies, Inc.
5848 N. 95th Court • Milwaukee, WI • 53225
(414)464-6200 • FAX (414)464-9863 • (800)558-7068
www.asidoors.com • e-mail: info@asidoors.com