



PROJECT:

Phoenix Sky Harbor International Airport Rental Car Center

ARCHITECT/DESIGNER:

TranSystems Corporation, an EA Firm

PRODUCT:

Steel Ceilings, Inc.

PROJECT SUMMARY:

Serving the third-largest airport rental car market in the United States, this center has combined the appeal of the indigenous desert with the practicality of traffic flow. This 150,000 square-foot customer service center, situated on top of a 5,600-car multi-level parking garage, serves as an airport hub for 13 rental car agencies.

Ten thousand square feet of metal ceilings were used on the outside entry canopy and center lobby. Four sizes of ceiling panels were perforated in varying shapes and groups of five, using the Fibonacci number system; the resulting light pattern mimics the leaves of Arizona's palo verde tree.

Product description

The Steel Ceilings torsion spring metal pan system has proven to be an excellent choice for those seeking a fully accessible, yet concealed, system. It affords the end user 100% direct access into the plenum at any point in the ceiling, without the use of special tools. Panels have a heavy-duty torsion spring that's secured to an alignment clip on the upturned flanges of the metal panels. The spring engages into a concealed slotted T-bar suspension system, assuring positive alignment. This system is just one of several metal ceiling and wall systems available from Steel Ceilings. Panels may be made in the traditional 2' x 2' size, or in varying shapes, curves or three-dimensional shapes.

Acoustical performance

Sound absorption results for Steel Ceiling Products range from .70 NRC to .95 NRC, depending on the perforation pattern and type of acoustical backing material used.

Fire performance

Flame spread: <25. Smoke developed: <25.

Metals and finishes

Metal of steel, aluminum or stainless steel is available. A powder paint finish or a variety of natural metal finishes can be used, such as anodized, brushed aluminum, copper steel, brass steel, chrome steel or stainless steel.

Perforation patterns

A full range of perforation patterns is available with or without a plain border. Patterns can be provided in round, square or oblong holes in various diameters and sizes.

Sustainability

All materials are 100% recyclable with a high initial recycled content.

