FIRE CURTAIN TECHNOLOGIES
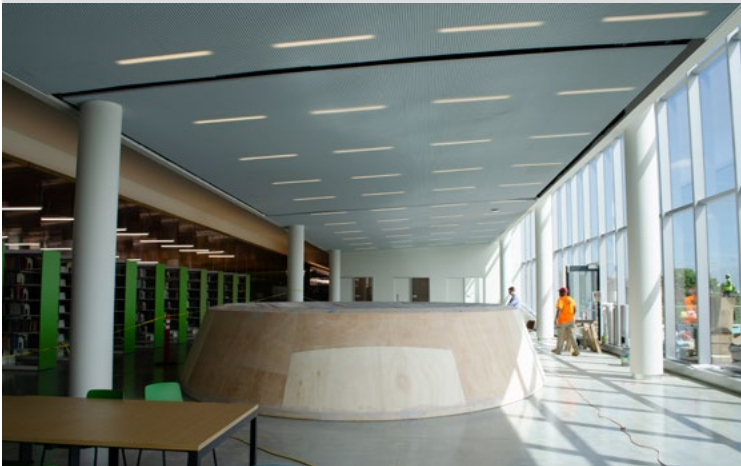## Smoke and Fire Curtains

Project: Temple University Library

Location: Philadelphia

Client: Daniel J Keating Co

Product: Automatic Smoke Curtain SM5

Application: Atrium Smoke Curtain Deployable Draft Curtain
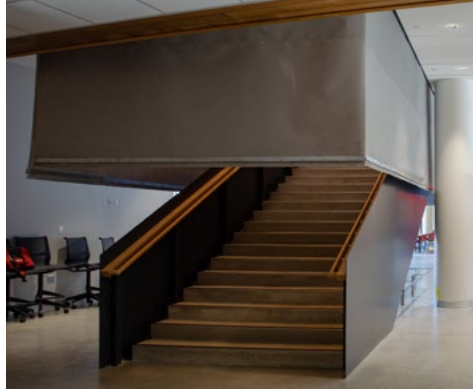
Brief:

Charles Library is the stunning centerpiece of Temple University Main Campus, located at the intersection of two primary pedestrian pathways, Liacouras and Polett walks. Temple University's goal was building a 21st century library that will redefine campus life at its optimal level and care for all of the valuable resources it will provide. The bold design promotes sustainability, such as storm water management systems and a green roof that will be one of the largest in the state.
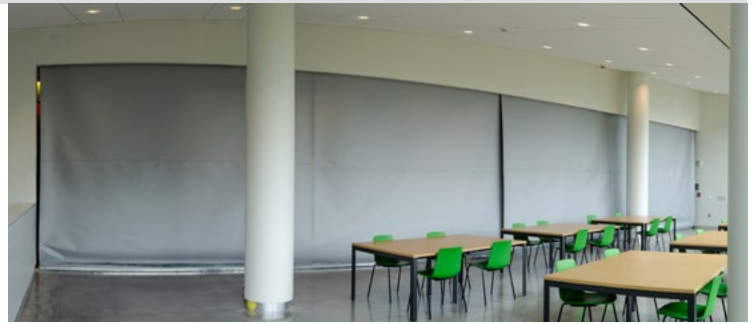
Objective:

1	Design and install a deployable smoke curtain system around the 4th floor to protect the Oculus, centerpiece of the building

2   Install a 2 hour smoke curtain around the 3rd floor stair case to protect the 4th floor from smoke vertical migration

3   Passive smoke containment by Installing a motorized smoke curtain on the 4th floor to isolate one side of the atrium

Challenge:

Charles Library's bold design includes an area called the Oculus in the 4th floor, probably the most beautiful part of the building. Here, both the false ceiling and the roof itself are slanted. Due to the nature of the building, the client was looking for a custom smoke curtain that could adapt to their design and could be installed in an angle.

Solution:

Flexibility without compromising on safety is the defining feature of the Deployable Smoke curtain SM5. The Oculus area required a custom design and Fire curtain Technologies proposed the perfect solution to overcome the angled ceiling and to satisfy code without sacrificing the design.