

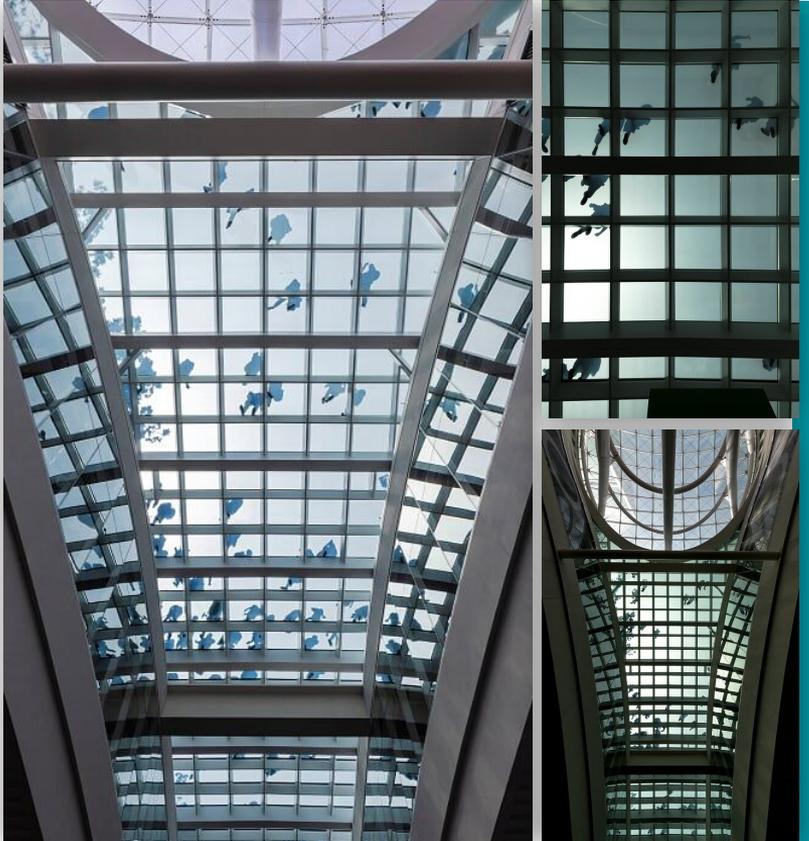
# SALESFORCE TRANSIT CENTER



**Location:**SAN FRANCISCO,  
USA**Glass Featured:**FIRE & SECURITY  
GLAZING**Market segment:**PUBLIC &  
TRANSPORT**Architect:**PELLI CLARKE PELLI  
ARCHITECTS**Frame:**SPECIAL  
CONSTRUCTION**Application:**FLOOR/  
SKYLIGHT

Within the Salesforce Transit Center, which is the central hub of San Francisco, the space is open and light-filled. Tall, structurally expressive skylights — “Light Columns” — brings sunshine deep into the building, creating a vibrant and inviting atmosphere. The focal point of STC, and the solution to achieve it, is **LITEFLAM XT 120** system; a walkable fire rated glass floor/skylight specifically developed for this project. This unitized multi-panel fire-rated glass floor system realized the Architects vision of “light columns” which flood the Grand Hall with natural light. The largest Light Column forms the central element of the 36 - meter tall

(118- feet tall) Grand Hall, STC’s primary public space. Reaching from the park, down through the bus deck and Grand Hall, and all the way to the train platforms two stories below grade, this dramatic structure will provide light and long views to all areas of the Transit Center. The specifications put forth by Pelli Clarke Pelli was the most demanding for a fire rated glass floor/ skylight to date. Some of these include: 2 hrs fire rating, blast resistant, seismic rating, live loading for foot traffic and waterproofing. It is the perfect expression of form and function.



**SALESFORCE TRANSIT CENTER**

# PROJECT KEY CHALLENGES



2 hours fire rating by UL



Live loading for foot traffic



Engineered to withstand Blast Loading



Sustainability certification, EPD and HPD certified



Seismic rated for the San Francisco area



10 year warranty

# PROJECT SOLUTION

Greenlite Glass Systems engineered and developed the following specifically for the Salesforce Transit Center:

SALESFORCE TRANSIT CENTER



Structural glass is laminated with 2 hr fire rated glass. A sacrificial sheet has been added, so the top lite can be replaced if damaged, thus reducing long term cost



Low E coatings have been applied to reduce the energy profile of the building



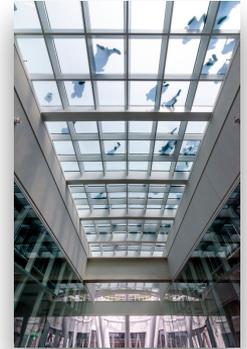
**LITEFLAM XT 120** is a life safety product made up of multi laminated glass including steel supports. It has been certified by UL to meet the strict ASTM E 119 certification as a life safety product



The assembly includes, main and secondary structural supports which are coated with intumescent paint



# PROJECT KEY ACHIEVEMENTS



- Meet energy code of San Francisco
- Pass durability and weather testing by Intertek

- Exterior 2hr fire rated walkable skylight
- Fire rated glass floor with sacrificial sheet

- Largest fire rated glass floor in North America at over 3600 sq ft
- Meeting building code and life safety requirements

# STAKEHOLDERS



**Manufacture:**  
Greenlite Glass  
Systems Inc



**Building Owner:**  
San Francisco  
Transit Authority



**Architects:**  
Pelli Clarke  
Pelli

# PROJECT QUOTES

“Greenlite Glass Systems Inc. was approached by Pelli Clark Pelli (Architect) in 2008 to assist them with their vision of “Light Columns” which bring natural light from the main level down to the grand entrance. Our LITEFLAM fire-rated glass floor system was The solution at the time but I knew the project specifications and new challenges where going to be a feat of modern glass technology that only VETROTECH could help us solve. Greenlite Glass takes great pride in being a key partner with Vetrotech in producing the focal point of is landmark project. And I could not have asked for a better project team with in the Vetrotech group. We are all very proud of our group accomplishments.”

*Ryan Dennett, Greenlite Glass Systems Inc,*

