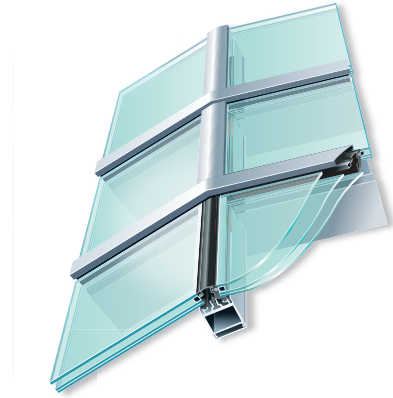


# BMS-3000 Skylight System— the custom skylight system with design versatility and ultra high-performance

Twenty years ago, we developed a totally new custom skylight system—the BMS-3000. The BMS-3000 system still represents state-of-the-art **sloped-glazing technology** and performance. The fully captured, two-sided and four-sided structural silicone glazing options for the BMS system were subjected to extensive American Society for Testing and Materials (ASTM) International and American Architectural Manufacturers Association (AAMA) air, static and dynamic water-resistance and structural load testing before being introduced to the nonresidential construction market. The BMS-3000 system also has undergone extensive **National Fenestration Rating Council (NFRC)** and **AAMA thermal testing** and can be simulated for project-specific or site-built applications.



Gaylord Texan Resort & Convention Center, Grapevine, TX  
Architect: Hnedak Bobo Group, Inc.

## Features

- Flush integral gutters of tubular framing members provide clean sight lines
- Upper gutter system conceals controlled condensation and water infiltration
- Stepped-and-overlapped guttering system prevents capillary water leakage
- Positive-stop design controls and limits lip seal pressure on glass infill
- Thermally-broken glazing clips reduce heat transfer and improve U-factors
- Glazing clips reduce amount of water infiltration and need for snap-on covers
- Unique sill design eliminates rafter anchor penetrations through base flashing



**BMS-3000 Screw-Glazed (SG)**



National Museum of the Marine Corps, Triangle, VA  
 Architect: Fentress Bradburn Architects

The Screw-Glazed (SG) version of the BMS-3000 system was developed for **high, negative wind load conditions and hurricane exposures**. The SG version also was created for projects where certain glazing consultants preferred a pressure-wall system utilizing stainless steel glazing fasteners, versus the thermally broken glazing clips of the standard BMS system. The SG system employs the same rabbet and guttering system used in the standard BMS-3000 system and is available with fully captured, two-sided and four-sided structural silicone glazing options. The SG system has been subjected to extensive AAMA and ASTM International air, static and dynamic water and structural load testing, as well as NFRC and AAMA 1503 thermal testing.

**BMS-3000 Multi-Hazard (MH)**



Aventura Mall, Aventura, FL  
 Architect: RTKL Associates

This Multi-Hazard (MH) version of the BMS-3000 skylight system was developed for high velocity hurricane regions and antiterrorism or bomb-blast resistant applications using laminated insulating glass infills. The MH system utilizes snap-on glazing caps to conceal the stainless steel glazing fasteners, similar to the SG system, and is thermally broken to reduce heat transfer. The BMS-3000 MH system incorporates **deeper glazing rabbets** for increased glass coverage and structural silicone applications to meet the Department of Defense (DoD) antiterrorism standards for buildings as contained in their Unified Facilities Criteria (UFC). The MH version can be designed for higher, project-specific blast loads using dynamic analyses.