

# CABLES LOW BIAS CABLE SYSTEM

## LOW BIAS CABLE SYSTEM



### DIAMOND DESIGN

The cables in the Low Bias Cable System form a diamond shaped pattern on all four sides of the air-supported building so that a significant portion of the dome's structural load is carried by the exterior cable system versus the fabric, itself.

### ENHANCED SUPPORT VS. RADIAL SYSTEMS

Arizon's Low Bias System offers a 160 MPH wind design vs. the 140 MPH wind design of most radial systems and a 25 psf snow load vs. the 5 to 7 psf snow loads common for radial designs.

### EFFICIENT SNOW SHEDDING

Arizon's Low Bias Cable System is designed with severe winter weather in mind. The Low Bias design offers a considerable advantage in structural stability during heavy snowfalls versus radial designs, and allows for more efficient snow shedding versus full bias designs that contain extra cabling that can trap heavy snow and prevent it from sliding off of the building.

### LOW BIAS CABLE SYSTEM

#### CODE COMPLIANCE

Meets IBC Codes; 20 times the minimum safety factor required by code.

#### WIND DESIGN

160 MPH

#### SNOW LOAD

25 psf

#### SNOW SHEDDING DESIGN

Optimal. Design allows for efficient shedding of heavy snowfall, while offering increased structural stability. No need to climb structure during storm to clear snow.

#### STRUCTURE TYPE

Seasonal or Permanent Applications

#### DESIGN SHAPE

Diamond crossing pattern that offers both radial and lateral support.

### EFFICIENTLY SHEDS SNOW IN BLIZZARD CONDITIONS



**NO NEED TO CLIMB BUILDING  
TO REMOVE SNOW**

**ARIZON**<sup>®</sup>  
BUILDING SYSTEMS

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