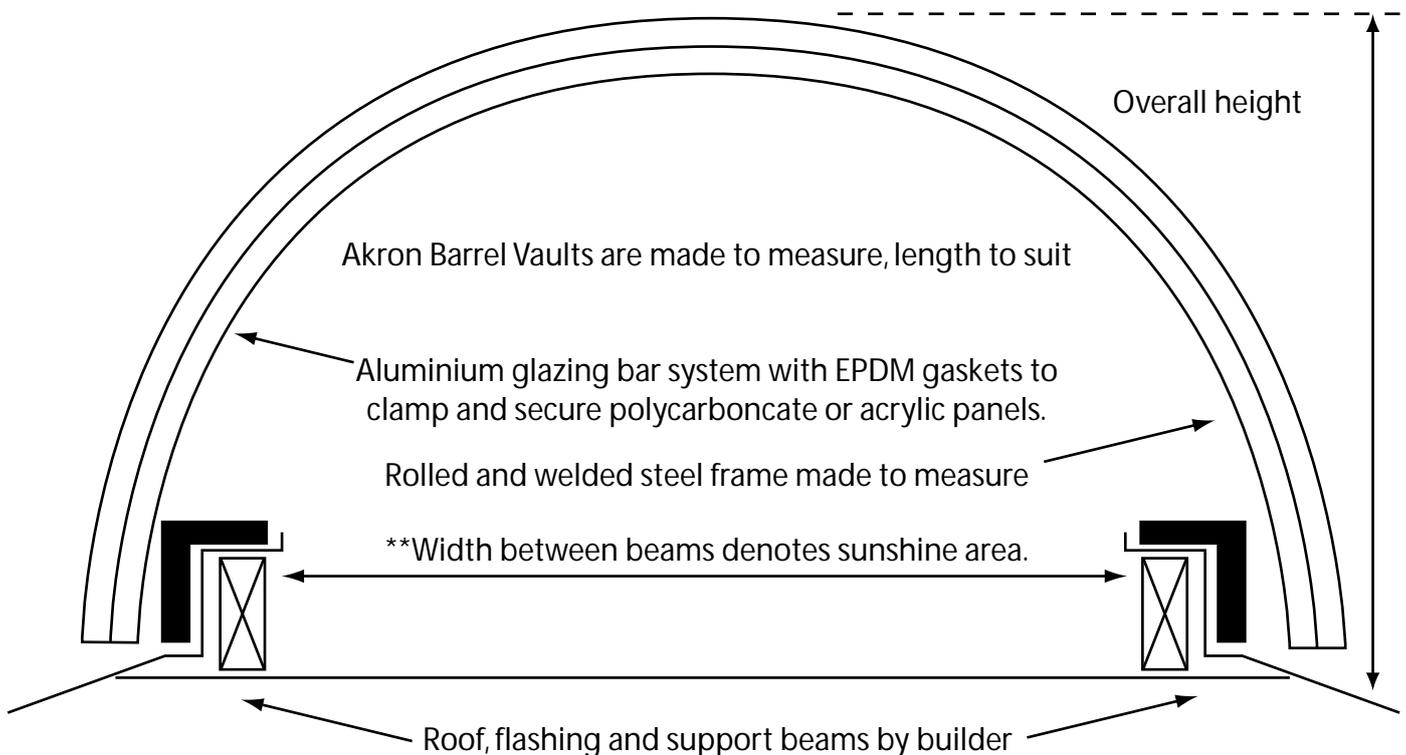


BARREL VAULTS

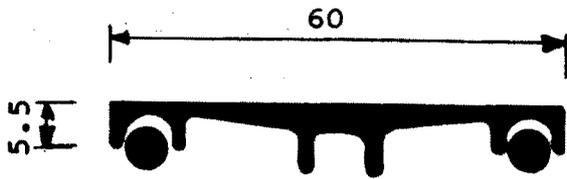
Architects need to allow brightness & sunshine into rooms to enhance the WELL BEING of the people inside. The main purpose of skylights is to allow sunshine into a building to improve the WELL BEING & attractiveness of each room by allowing sunshine & brightness into dark areas of small & large rooms. A Barrel Vault is generally semi circular skylight which covers an aperture in a roof & allows light into the building. The Barrel Vault is generally a large curved structure made to measure to suit the customer (any length & any width & any height) & is supported off the building frame above the roof. Half circle profiles are generally used but Akron can make to measure any height combinations as requested. The rolled steel frame is welded to a support frame in our factory & galvanised & powdercoated to suit your colours. Aluminium glazing bars with neoprene gaskets are then fitted over the frame to hold the Polycarbonate or acrylic or glass sheets in place. The aluminium top glazing bar is then `Tek `screwed down to secure the opal or clear or tinted grey sheets in place.



Our crane truck then lifts the entire assembly onto your roof & Akron then flashes around to make water tight. Some common sizes are 1m x 2m, 2m x 3m, 3m x 4m, 4m x 5m, 5m x 6m, 6m x 7m, 7m x 8m. Akron previously has installed Barrel Vaults 22m x 12m and 3m x 32m.

Extrusion Sections

ALUMINIUM - ANODISED OR ANY COLOUR
POWDERCOATED



CB10

Glazing Gaskets

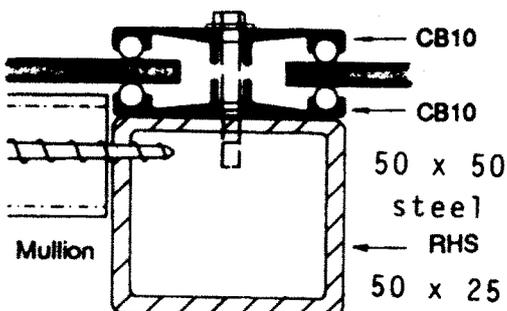
Structural Variations



DOUBLE BACK METHOD
FOR SPANS UP TO 1200mm WIDE
USE 3 OR 4.5mm ACRYLIC

Glazing Gaskets

Structural Variations



4.5 OR 6.0mm THICKNESS
FOR SPANS UP TO 2.4m USE
50 x 25 RHS STEEL HOOPS.
FOR SPANS OVER 2.4M USE
50 x 50 SHS ROLLED HOOPS
AND HIGH TENSILE TEK SCREWS