

ADVANTAGES OF SONARVIEW
ELECTRICALLY POWERED ANTI-CONDENSATION GLAZING SYSTEM

Sonarview glazing has been approved by the C.A.A. for use in Airport Visual Control Rooms and programmed, independent tests have been carried out by the British Building Research Centre, B.B.A. HQ proving that Sonarview exceeds the high standards set for Visual Control Room glazing.

Sonarview overcomes the problems apparent in existing alternative glazing systems such as double windows and sealed units.

Some of the advantages of Sonarview over sealed Double Glazed Units are as follows:-

- 1 - Sonarview is an anti-condensation glass and can prevent the incidence of condensation even though it has a higher 'U' value than that of D/G units. (See enclosed detail).
- 2 - Sonarview is a safety glass (ie. laminated) and it will remain intact and serviceable in the event of fracture (no danger of falling glass).

The chemical toughening of the solar control glass overcomes the risk of breakage due to thermal stress and in the event of fracture allows partial vision. Chemical toughening of glass gives much improved optical qualities over heat strengthened glass.

With double glazed units, only annealed or fully toughened glass is available. The format has the disadvantage when fractured large pieces of broken glass become a safety hazard. The latter being unacceptable because, when damaged, vision is obscured by the formation of many small broken fragments. In addition, the "toughened" process causes optical distortion of vision through the glass.

- 3 - The laminating of the two glasses in Sonarview ensures parallelism, therefore deviated light is controlled. This high degree of parallelism cannot be achieved with double glazed sealed units.
- 4 - Due to the relatively large sizes of glass used in Visual Control Rooms there is a risk of breakage during installation caused by difficult "handling" problems. Sonarview "Edge Protection" and construction (ie. laminated) reduces this risk considerably.

It has been known for the "seal" of double glazed units to be broken during installation and this has only become apparent at a later date when condensation has appeared within the unit. The Sonarview construction system overcomes this problem.