L40 GENERAL GLAZING

To be read with Preliminaries/General conditions.

GENERAL REQUIREMENTS

150 WORKMANSHIP GENERALLY:

- Glazing generally: To BS 6262.
- The glazing must be wind and watertight under all conditions with full allowance made for deflections and other movements.
- Panes/sheets to be within ± 2 mm of specified dimensions.
- Avoid contact between glazing panes/units and alkaline materials such as cement and lime.
- Keep materials dry until fixed. Keep insulating glass units and plastics glazing sheets protected from the sun and away from heat sources.
- Ensure that glass/plastics, surround materials, sealers primers and paints/clear finishes to be used together are compatible. Comply with glazing and sealant manufacturers' recommendations.

152 PREPARATION: Clean surrounds, rebates, grooves and beads, and prepare as specified before installing glazing.

155 GLASS GENERALLY:

- To BS 952 and the relevant part(s) of:
  BS EN 572 for basic soda lime silicate glass.
  All external glazing to be no greater than 2.0W/m2C°.
- Panes/sheets to be clean and free from obvious scratches, bubbles, cracks, rippling, dimples and other defects.
- Edges generally undamaged. Shells and chips not more than 2 mm deep and extending not more than 5 mm across the surface are acceptable if ground out.

165 THERMALLY TOUGHENED GLASS to be fixed in the following locations must be subjected to a heat soaking regime designed to reduce the incidence of failure due to nickel sulphate inclusions. All panes must be heat soaked at a mean glass temperature of 280 ± 10°C for not less than time as recommended by manufacturer for use and location. Provide certified evidence of treatment.
Locations: see schedules 1345/HR/006

181 BEAD FIXING WITH SCREWS: Space screws evenly at not more that 225 mm centres, and within 75 mm of each corner.

TYPES OF GLAZING

230 BEAD FIXED SINGLE GLAZING DOORS:

- Drawing reference: Schedules 1431/W-300.
- Pane material: Georgian Wire Safety glazing half hour fire resistant.
  Bead fixing: HW chamfered screw and pellet.
- Glazing compound: Intumescent glazing tape.
- Apply glazing compound, using distance pieces to produce not less than 3 mm finished thickness of back bedding after inserting glazing.
- Locate glazing centrally in the surround using setting and location blocks.
- Apply front glazing compound, filling all voids, and insert distance pieces. Bed beads in compound and fix securely.
- Finish visible edge of compound internally and externally with a smooth chamfer.

370 BEAD FIXED INSULATING GLASS UNITS WINDOWS AND DOORS:

- Drawing reference: Schedule 1345/HR/006.
- Pane material: Low E clear safety glazing total U value no greater than 2.0 W/m2C°.

Outer pane: 6.4 laminated.
Inner pane: 4mm toughened.
Spacer colour: To match.
Perimeter taping must not be used.

- Surround/bead: Matching PPC Aluminium.
- Glazing system: As per specialist system.
- Locate insulating unit centrally in surround using setting and location blocks.
- Install gaskets and fit beads as recommended by the frame manufacturer. Cut gasket sections over length to ensure a tight fit without gaps at corners.
- Ensure that drainage and ventilation holes are not obstructed.

505 FIRE RESISTANT TAPE/STRIP GLAZING TO SCREENS AND DOOR VISION PANELS:

- Drawing reference: Schedules 1345/HR/006.
- Fire resistance rating: 30 minutes integrity.
- Pane material: see schedule.
- Frame/Surround material: Softwood frame.
  Bead material: Softwood beads.
  Bead fixing: Screw fixing.
- Glazing system:
  Tape/Strip: Intumescent.
  Pointing sealant: Silicone.
- Installation to be carried out by a BM TRADA Certification or FIRAS registered installer in accordance with glazing manufacturer's recommendations.