

SECTION VIII

STANDARD AND EQUIVALENT STRUCTURAL SECTIONS

8-1. GENERAL. The repair of damaged stringers, stiffeners, and clips frequently requires the use of extruded or formed sections as reinforcement or replacement members. This section lists extrusions and formed sections and permissible substitutions.

8-2. EXTRUDED SECTIONS. The extrusions used are identified by both North American standard numbers and ALCOA dia numbers. The North American numbers are prefixed by the letters NA and the second figure is always "E". Where no North American standard exists, the extrusion is identified by the ALCOA number. The letter "T", which is suffixed to all North American standard extrusion numbers, indicates heat-treated material. All extrusion members with the prefix "K" or "L" are ALCOA die numbers. Some types of extrusions may not be available for repairs and, in such instances, formed sections fabricated from sheet stock may be substituted.

The material specification of all extrusions is QQ-A-354, and all formed sections is AN-A-13.

8-3. ROLLED SECTIONS. The rolled sections used are identified by North American standard numbers. The North American numbers are prefixed by the letters NA and the second figure is always "S". Substitutions fabricated from sheet stock are listed for the rolled sections.

WARNING

All extruded and formed sections of 24 S0 used for repair, must be heat-treated to 24 ST in accordance with instructions given in the general manual for structural repair, AN01-1A-1.