
**CHECKLIST #0230 FOR THE APPROVAL OF:
GLASS ENCLOSED STRUCTURES (SOLARIUMS, ATRIUMS, SUN ROOMS, AND
SIMILAR)**

- Basic Requirements Checklist.
- One set of the manufacturer's 'approval document' including:
 - a. Extrusion and/or typical section with details, properties and all dimensions,
 - b. Assembly details, including reinforcements,
 - c. Fastener and connecting details including size and location, and
 - d. Connections of panel to the structural frame.
- All glass used in the walls of these structures shall use safety glass.
- All roof sections of these structures shall be laminated glass.
- Calculations verifying tested anchoring.
- Calculations verifying aluminum stresses according to The Aluminum Association Specifications.
- Calculations verifying steel stresses according to AISC Steel Construction Manual.
- One set of manufacturer's design drawings marked and verified by the testing laboratory.

**The following current laboratory tests and test reports in compliance with protocol
TAS 301.**

- Racking test, per ASTM E-72.
- Air infiltration test, uniform static air test, and water infiltration test per TAS202. (Deflection for load carrying members not to exceed L/180).
- Impact test, per TAS 201.
- Cyclic test, per TAS 203.
- Thermal Transmittance (U-factor) per checklist G.8 (See note 2)
- Solar Heat Gain Coefficient (SHGC) per checklist G.9 (See note 2)

Notes:

1. If the system has plastic as a component, add the plastic checklist to these requirements.
2. Refer to checklist G.0 - GSA Basic Submittal Requirements for use of this checklist and applicable GSA Template.

