CHECKLIST #0220 FOR THE APPROVAL OF: GARAGE DOORS

- ❑ Basic Requirements Checklist.
- ❑ One set of the manufacturer's 'approval document' including:
  - a. Door details with all dimensions including width and height,
  - b. Section of all structural components with dimensions, ASTM A446 grade and yield strength of panel or slats,
  - c. Details of installation, corresponding with test specimen and calculations,
  - d. Forces acting on supporting frame, and
  - e. Required slip and wind-lock frequency for roll-up doors.
- ❑ Calculations verifying the tested anchoring method of door assembly to the structure.
- ❑ 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.

- ❑ Impact test per TAS 201. (Report penetration and rupture).
- ❑ Cyclic test per TAS 203 (Report status of anchorage & operability of door).
- ❑ Uniform static air test per TAS 202. Report recovery after half test load (95% to 100% required), full test load (80% minimum required), and operability of door before and after testing. TAS 202 must include Forced Entry Resistance Testing. A 300 lb load shall be applied in the upward or opening direction at door's mid span, within six (6) inches from the bottom. Load shall be held for 30 seconds.
- ❑ Tensile test of Door panel or slat per ASTM E-8 or equivalent.
- ❑ If metal is not galvanized with a coating of minimum G-90 per ASTM A-525, then test for evaluation of painted panels on a minimum of 3 samples per ASTM D1654 (ASTM B117) for 1000 hrs. A control set of galvanized specimens shall also be simultaneously tested under the exact conditions for comparison purposes.

Notes:
1. If product has a plastic component, add the requirements of the plastic checklist.
2. Maximum allowable cycle time for doors over 75 ft^2 = (Area of Specimen - 75) x (F) + 3. For sectional doors F = .06, for rolling door F = .35.
3. The minimum skin thickness for single skin garage doors is 24 ga (.0209 in), and 26 ga (.0159 in) for double skin (FBC, Section 2222.4.3).