

**CHECKLIST #0275 FOR THE APPROVAL OF:
 SKYLIGHTS**

- ❑ Basic Requirements Checklist.
- ❑ One set of the manufacturer's 'approval document' including:
 - a) Extrusion and/or typical section with details, properties and all dimensions as read by the laboratory with a caliper,
 - b) Assembly details, including reinforcements, and
 - c) Fastener and connecting details including size and location, corresponding with test and calculations.
- ❑ For cluster or monumental skylight units, calculations are required for structural integrity of the assembly with loads according to FBC chapter 16 indicating:
 - a) Aluminum stresses according to The Aluminum Association Specifications,
 - b) Steel stresses according to AISC Steel Construction Manual,
 - c) Deflection for load carrying members not to exceed L/180,
 - d) Design of plastic materials in accordance with chapter 26 (HVHZ) of the FBC,
 - e) Capacity and load documentation of anchors used. Anchor verification required for all cases.
- ❑ 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 TAS201.
- ❑ Air infiltration, uniform static air, and water resistance tests per TAS202.
- ❑ Cyclic test per TAS203.
- ❑ Force entry resistance test required on operable skylights per ASTM F588 (Level 10) or AAMA 1302.5.

Notes:

1. If skylight has plastic as a component, add the plastic checklist to these requirements.
2. The skylights must be labeled in accordance to ANSI Z 35.1-72 Class 1.
3. TAS201 & TAS203 are applicable if skylight approval is to include impact resistance.
4. If the skylight is installed on an open structure, it is exempt from TAS201, TAS203, and the water & air tests of TAS202.
5. The following equation may be used to calculate the allowable cycle time for specimens larger than 75 ft² and with a width of more than 20 ft. and/or height of more than 8 ft.
 Maximum allowable cycle time for specimens over 75 ft² = (area of specimen – 75) x (0.06) +3 seconds
 Maximum allowable cycle time for this equation is not to exceed 10 seconds.

Revised: 12-22-10

Skylights

Internet mail address: bldgdept@miamidade.gov



Homepage: <http://www.miamidade.gov/building>