CHECKLIST #0465 FOR THE APPROVAL OF: SCREEN ENCLOSURES

- ❑ Basic Requirements Checklist.
- ❑ One set of the manufacturer's 'approval document'.
- ❑ Calculations verifying that product including footing and anchorage can withstand all applicable forces set forth in the FBC.
- ❑ The following calculations for the structural integrity of the product subject to a design pressure per chapter 20 of the Florida Building Code.
  a) Bending, shear, axial and combined stresses on the frame,
  b) Mansard splice calculation to determine the moment capacity,
  b) Deflection limits on the frame,
  d) Foundation support and overturning of the entire structure,
  e) Loading on fasteners and connectors.
- ❑ One set of manufacturer's design drawings marked and verified by the testing laboratory.
- ❑ A statement signed by a company official, on company stationary, certifying that he/she is a screen enclosure fabricator (see definition), include a clause stating that the fabricator will notify BNC, should the status as a fabricator changes.
- ❑ Inspection by the Product Control Section of fabricator's facilities

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

- ❑ *Gutter test to determine the deflection and deformation of supper gutter.*
  a) Anchor 20' length of supper gutter to 2" wood fascia.
  b) Install 2 screen beam 20' long spaced at 7' o.c. along the fascia.
  c) Two set ups are required; one using a horizontal beam connection and another using a mansard beam connection.
  d) All connections to be as shown on engineer's details.
  e) Apply a downward load of 212 lb./ ft. along entire length of the two beams for 5 minutes.
  f) The maximum deflection/deformation of the gutter shall be measured and located.
  g) Repeat the test 3 times on each beam.
  h) Reset the gutter beam connection inverted to the fascia.
  i) Repeat the test 3 times on each beam again.
- ❑ *Mansard splice load test to determine moment capacity. This test is required if the mansard splice does not contain a top and bottom strap.*
- ❑ *Cable assembly test determining tension capacity.*

DEFINITION OF A SCREEN ENCLOSURE FABRICATOR

An individual / company who:

1. Cuts all the required pieces for the installation of the structure,
2. Provides and stores all the required material for the proper installation of the structure,
3. Provides, stores and identifies all the required connectors needed for the structure,
4. Identifies, with the individual /company's name, each structural member (extrusion),
5. Has the proper facilities to carry out all above cited functions,
6. Has a quality control program to assure that the fabrication complies with the NOA.