



**CHECKLIST # G.2 FOR THE VERIFICATION OF:
THERMAL RESISTANCE (R-Values)***

The following current laboratory test reports, as applicable from a recognized laboratory.

Assemblies:

- R-Value for Assemblies as per ASTM C 1363 – Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of Hot Box Apparatus.

Components:

- R-Value for a single component as per ASTM C 177 – Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of Guarded-Hot-Plate Apparatus
 - Or
 - R-Value for a single component as per ASTM C-518 – Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.
 - Or
 - R-Value for Assemblies as per ASTM C 1363 – Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of Hot Box Apparatus.
 - Or
 - R-value as per ASTM E 408 - Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter techniques.
 - Or
 - R-value as per ASTM C 687 – Practice for Determination of Thermal Resistance of Loose-Fill Building Insulation

*Thermal Resistance of Building Materials and typical construction assemblies but not limited to Insulation materials, fiberglass, wood frames, wood stud assemblies, gypsum board, air film, steel, steel frame walls, expanded polystyrene, rubber pad, concrete, concrete walls, concrete block materials, masonry, masonry walls, metal building walls, sheathing and stucco.

