The following specification text has been prepared by TBM Designs to assist design professionals in the preparation of a specification section covering Invert insulated glass units with integral self-shading inserts.

Utilize these paragraphs to insert text into Specification Section 08 80 00 – Glazing or similarly titled section governing this work.

The following should be noted in using this document:

Blue text includes instructions to the design professional. Black text is intended to be inserted into a specification section.

Optional text requiring a selection by the user is enclosed within brackets and as red text, e.g.: Color: [Red.] [Black.]"

Items requiring user input are enclosed within brackets and as red text, e.g.: "Color: [\_\_\_\_]."

For assistance on the use of the products in this section, contact TBM Designs by calling 914-522-7047 or visit their website at [www.tbm-designs.com](http://www.tbm-designs.com).

PART 1 – GENERAL

SUBMITTALS

 Action Submittals:

Product Data: Manufacturer’s descriptive data and product attributes for insulated glass units.

Samples: Manufacturer’s standard color chart, for color selection.

QUALITY ASSURANCE

Retain the following for a full-scale mockup at the project site.

Mockup: [One] [\_\_\_\_] full size insulated glass [unit.] [units.]

SYSTEM DESCRIPTION

Insulated Glass Units with Integral Self-Shading Inserts:

 Provide shading while retaining maximum views.

 Self-responsive, operating without power or human intervention.

WARRANTY

Manufacturer’s standard 10 year warranty against defects in materials and workmanship in integral self-shading inserts.

PART 2 – PRODUCTS

MANUFACTURERS

Acceptable Manufacturer; Integral Self-Shading Inserts: TBM Designs, [www.tbm-designs.com](http://www.tbm-designs.com).

Substitutions: [Under provisions of Division 01.] [Not permitted.]

MATERIALS

 Insulated Glass Units with Integral Self-Shading Inserts:

 Glass: One layer [3/16] [1/4] [\_\_] inch thick clear [annealed] [heat strengthened] [tempered] glass and [3/16] [1/4] [\_\_] inch thick [annealed] [heat strengthened] [tempered] glass.

 Airspace: [5/8] [\_\_] inch.

 Spacers: Tubular [[aluminum, [black] [mill] finish,] [black thermoplastic material,] filled with desiccant.

 Total unit thickness: [\_\_] inches.

 Surface coating: Pilkington Energy Advantage on No. [3] [4] surface.

 Shading Units:

 Description: Self-shading units enclosed within insulated glass units.

 Composition: Thermo bi-metal pieces that flip when exposed to heat.

 Color: [\_\_\_\_.] [Manufacturer’s standard polished nickel.] [To be selected from manufacturer’s full color range.] [Custom colors [as indicated on Drawings.]]

 Shading unit coating: [\_\_\_\_].

 Design: [\_\_\_\_.] [Custom design to be selected.] [As indicated on Drawings.]

PART 3 – EXECUTION

INSTALLATION

Install insulated glass units in accordance with manufacturer’s instructions.