SECTION 08500C -- WINDOWS

PART 1 - GENERAL

1.01 This section includes general criteria for all windows including aluminum, steel, wood and plastic.

1.02 In historic buildings new windows are required to match originals as best as possible to accommodate insulated glass in order to achieve energy efficiency.

1.03 Window mock-ups in the wall system are required for all new buildings, complete window upgrade projects and other significant projects specified by a Brown University Project Manager.

1.04 One operating sample of the window for demonstration purposes is required for all new buildings, complete window upgrade projects and other significant projects specified by Brown University Project Manager.

1.05 Factory tests including R-value, U-value and Low E coating are required on all windows.

1.06 Whenever possible hose-stream and infiltration tests shall be performed on mock-ups and representative samples before caulking takes place.

1.07 The owner shall bear costs of test, inspections or approvals. If testing fails to comply with requirements established by the contract documents, all costs made necessary by such failure including those of repeated procedures shall be at the contractor’s expense.

1.08 RELATED WORK

A. Section 00100 General Conditions for as-built samples
B. Section 08100 Metal Doors and Frames
C. Section 08400 Entrances and Storefronts
D. Section 08900 Curtain Walls

PART 2 - PRODUCTS

2.01 All storefront, curtain wall, windows and doors listed shall be by the same manufacturer and supplier.

2.02 All buildings that are not historic in nature require 1” double pane, insulated, clear-float glass with a low e coating.
2.03 In significant historic buildings 5/8” insulated glass with authentic divided light shall be used unless otherwise approved by a Brown University Project Manager.

2.04 Single hung windows shall be used in dormitories.

2.05 Bottom sash only shall be operable.

2.06 Avoid casement and awning windows; however, whenever used stoppers are required.

PART 3 - EXECUTION

3.01 Jamb liners are required on all windows that are not historic; for historic windows use block and tackle.

3.02 All habitable buildings, dorms and rentals, shall have accessible security grills/screens on the ground level.

3.03 At least one break away shall be installed in every sleeping quarter and area of congregation, ie. lounges. This does not include kitchen or laundry facilities.

END OF SECTION