

# 08 45 00 – Translucent Panel Assemblies

## DIVISION 8 - Openings



### STATEMENT OF PURPOSE & BACKGROUND

- Scope:
  - Insulated translucent sandwich panel system for exterior applications, including wall assemblies and roof/skylight assemblies as shown on drawings or specified.
  - See Section 08 63 00 for Metal Framed Skylights with glass glazing.
- Statement of goals:
  - Provide consistent, high quality materials that:
    - Meets district standards for maintenance and cleanability.
    - Supports district goals for energy efficiency by reduced heat gain/heat loss.
    - Supports district goals for daylighting.
- Revision history of section:
  - 12/4/18 (date of adoption)

### OUTLINE SPECIFICATION

- Part 1 General
  - Provide consistent, high quality products that conform to the International Building Code and all applicable local codes.
  - Warranty: 10 year limited warranty covering separation of faces from grid core and abnormal color change of exterior face.
  - Roof/Skylight systems may be sloped, vaulted or pyramidal complying with manufacturer's standard configurations and size limitations.
- Part 2 Products
  - Acceptable Manufacturers:
    - Kalwall Corporation
    - Major Industries Inc.; Guardian 275 System
    - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
  - Components:
    - Sandwich panels to be flat fiberglass reinforced translucent face sheets laminated to a grid core of interlocking aluminum I-beams.
    - Polycarbonate, acrylic or other thermoplastic faces are not acceptable.
    - Typical sandwich panel assembly shall be 2-3/4 inches thick.
    - Incorporate thermally-broken frames where required.
    - Panels shall have a range of grid patterns available for selection.
    - Roof/Skylight system shall meet Class A and UL 790 requirements.
    - Framing to be extruded aluminum with 300 series stainless steel screws for aluminum closures.
    - Aluminum Finish: Clear Anodized.
- Part 3 Execution
  - Per Consultant and / or manufacturer specification.
  - Perform water infiltration tests per AAMA 501.2. Repair or replace work that does not pass testing, or that is damaged by testing and retest work.
  - Clean inside and outside of panel/skylight systems immediately after installation.

End of Section