SECTION 07 2719
PLASTIC SHEET AIR BARRIERS

PART 1 - GENERAL

1.1 SUMMARY
A. Includes But Not Limited To:
   1. Furnish and install air infiltration barriers on exterior side of exterior wall sheathing as described in Contract Documents.

1.2 REFERENCES
A. American Society For Testing And Materials:

1.3 SUBMITTALS
A. Quality Control / Assurance: Copy of test results showing performance characteristics.

PART 2 - PRODUCTS

2.1 MATERIALS
A. Air Retarder:
   1. Non-woven.
   2. Meet requirements of ASTM E 1677, Type I.
   3. Category Four Approved Products. See Section 01 6000 for definitions of Categories:
      a. Styrofoam Weathermate Plus by Dow, Chemical Co, Midland, MI www.dow.com
      b. Tyvek CommercialWrap by Du Pont Company, Wilmington, DE www.dupont.com
      c. Dri Shield by Protecto Wrap, Denver, CO www.protectowrap.com
      d. Rufco-Wrap by Raven Industries, Sioux Falls, SD www.ravenind.com
      e. Typar Weather Resistant Membrane by Reemay, Old Hickory, TN (800) 321-6271 or (615) 847-7000.

B. Sealing Tape:
   1. Type Two Acceptable Products:
      a. DuPont Contractor Tape.
      b. Rufco-Wrap Seaming Tape.
      c. Typar Construction Tape.
      d. 3M Contractor Sheathing Tape.
      e. BT20 XL Window Sealing Tape.
      f. As recommended in writing by Air Retarder Manufacturer.

C. Fasteners:
   1. Category Four Approved Products. See Section 01 6000 for definitions of Categories:
      a. Wood Framing: Corrosion resistant roofing nails with 3/4 inch 19 mm long shank minimum and one inch 25 mm diameter plastic head or Tyvek Wrap Caps. Staples are only allowed to aid in installation with permanent fasteners installed immediately thereafter.
      b. Metal Framing: Corrosion resistant, self-tapping screws and plastic washers or Tyvek Wrap Caps. Screws to be 3/4 inch 19 mm long minimum and washers one inch 25 mm diameter.
PART 3 - EXECUTION

3.1 INSTALLATION

A. Install over exterior wall sheathing.
   1. Apply specified fasteners along stud lines at 18 inches 450 mm maximum on center. Lap horizontal joints 6 inches 150 mm minimum, with upper layer placed over lower layer. Lap vertical seams 16 or 24 inches 400 or 600 mm as necessary to match framing spacing. Do not fasten at bottom where necessary to allow for installation of flashing behind air infiltration barrier at base of masonry veneer.
   2. Seal joints and penetrations through air infiltration barrier with specified tape before installation of finish material. Air infiltration barrier shall be air tight and free from holes, tears, and punctures.

END OF SECTION