1. **GENERAL**
   1. **SECTION INCLUDES**
      1. Weather resistive barriers on exterior side of exterior wall sheathing.
   2. **REFERENCES**
      1. ASTM E-96-90, Water Transmission of Materials.
      2. ASTM E-1677-95, Air Retarder (AR) Material or System for Low-Rise Framed Building Walls”
      3. AATCC-127, Hydrostatic Head Test.
   3. **SUBMITTALS**
      1. Copies of test results showing performance characteristics equaling or exceeding those specified.
2. **PRODUCTS**
   1. **MANUFACTURERS**
      1. Products of following manufacturers form basis for design and quality intended.
         1. Du Pont Company, Wilmington, DE; Product: Tyvek Commercial Wrap
      2. Or equal as approved in accordance with Division 1, General Requirements for substitutions.
   2. **WATER RESISTANT BARRIER**
      1. Spunbonded olefin, Non-woven, Non-perforated
      2. Characteristics
         1. ASTM El677 Type I Air Retarder. Air leakage at 25 miles per hour wind pressure of less than 0.6 cfm per ft2.
         2. Water Vapor Transmission of greater than 20 perms in accordance with ASTM E-96-90, Method B.
         3. Water penetration resistance of 200 cm on hydrostatic head in accordance with AATCC-127.
   3. **SEALING/TAPE FASTENERS**
      1. Approved Tape Manufacturers
         1. DuPont Contractor Tape, by DuPont Company, Wilmington, DE.
      2. Recommended Fasteners for Wood, Insulated Sheathing Board, Exterior Gypsum
         1. Nails with large heads or plastic washer heads.
      3. Recommended Fasteners for Steel Frame construction
         1. Rust-resistant screws with washers.
      4. Recommended Fastening to Masonry
         1. Polyurethane or elastomeric adhesives.
3. **EXECUTION**
   1. **INSTALLATION**
      1. Install in accordance with Manufacturer’s instruction over exterior sheathing. Seal joints and penetrations through weather resistive barrier with specified tape and fasteners prior to installation of finish material. Air infiltration barrier shall be airtight and free from holes, tears, and punctures. All window and door penetrations are to be flashed and sealed per manufacturer instructions.

**END OF SECTION**