SECTION 07 21 00 - THERMAL INSULATION

PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

A. Design Requirements:
   1. R-value of roofs, walls, and floors shall be not less than the prescriptive requirements of ASHRAE 90.1, latest edition. Lower R-values are not permitted even if International Energy Code Compliance can be demonstrated using the energy model approach.
   2. Wherever possible continuous insulation is encouraged.
   3. Provide WUFI moisture analysis of all exterior wall and roof assemblies to determine and justify the appropriate placement of a vapor retarder within the assembly.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Insulation:
   1. Extruded-Polystyrene Board: Type IV, 25 psi.
   3. Unfaced Glass-Fiber Blanket: Type I.
   4. Closed-Cell Spray Polyurethane Foam: Type II, minimum density of 1.5 lb/cu. ft.

B. Vapor Retarders: Reinforced polyethylene.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 07 21 00