

SECTION 07213
BATT AND BLANKET INSULATION

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Above ceiling batt insulation.
- B. Wall batt insulation.
- C. Metal building insulation.
- D. Sound attenuation batts.

1.2 REFERENCES

- A. ASTM C665 - Mineral Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.

1.3 PERFORMANCE REQUIREMENTS

- A. Materials of this section shall provide continuity of thermal barrier at building enclosure elements.

1.4 SUBMITTALS

- A. Provide data on product characteristics, performance criteria.

PART 2 - PRODUCTS

2.1 MANUFACTURERS - INSULATION MATERIALS

- A. Owens-Corning Corporation
- B. Certain-Teed Corporation
- C. Manville Building Materials Corporation
- D. Knauf
- E. Celotex

2.2 MATERIALS

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- A. Above Ceiling: Fiberglass batts, 24" x 48" (nominally) with vapor barrier one side, R-value as shown but not less than 30, flame spread per ASTM E84. Insulation to be suspended between trusses and secured in place with twisted wires and plastic mesh or chicken wire.
- B. Sound Attenuation Batt Insulation: 3-1/2" thick at interior, faced one side friction-fit fiberglass insulation with R-value as called for on the drawings equal to Knauf Quiet Therm. Material shall be full 16" wide. Extend up to juncture with ceiling so as to provide a complete unbroken insulation envelope. Take care to cut and fit without compressing insulation at bridging and other interrupting members. Place insulation on exterior side of all water piping in walls. Fill space around door frames, etc., with insulation before closing.
- C. Metal Stud Cavity - Kraft faced fiberglass insulation - sized to fit stud. Material shall be full 16" wide. Extend up to juncture with ceiling so as to provide a complete unbroken insulation envelope. Take care to cut and fit without compressing insulation at bridging and other interrupting members. Place insulation on exterior side of all water piping in walls. Fill space around door frames, etc., with insulation before closing.

PART 3 - EXECUTION .

3.1 EXAMINATION

- A. Verify that substrate, adjacent materials, and insulation are dry and ready to receive insulation.

3.2 INSTALLATION

- A. Install insulation in accordance with manufacturer's instructions.
- B. Trim insulation neatly to fit spaces.
- C. Fit insulation tight in spaces and tight to exterior side of mechanical and electrical services within the plane of insulation. Leave no gaps or voids.
- D. Install with factory applied membrane facing warm side of building spaces.
- E. Fasten in place as per manufacturer's recommendation.
- F. Tape seal butt ends, lapped flanges, and tears or cuts in membrane.
- G. Fill tightly all voids around window or door frames, between closely spaced framing members and generally in any gaps in exterior wall and ceiling insulation systems.

END OF SECTION

