

PART I – GENERAL**SUMMARY**

Extent of insulation work is shown on drawings and indicated by provisions of this section.

Applications of insulation specified in this section include the following:

- Perimeter insulation
- Blanket insulation
- Safing insulation
- Sound attenuation insulation
- Roof insulation is specified in Single Ply Membrane Roofing Section.

SUBMITTALS

Unless otherwise noted, the contractor shall prepare all shop drawings, product literature, etc. only as required to properly coordinate and construct the project.

Review of submittals by the Professional of Record is limited to specific shop drawings as called for in the Project Manual.

PRODUCT HANDLING

Delivery and Storage: Keep materials under cover and dry. Protect against exposure to weather and contact with damp or wet surfaces.

PART II – PRODUCTS**INSULATING MATERIALS**

General: Provide insulating materials, which comply with requirements indicated for materials, compliance with referenced standards, and other characteristics.

Preformed Units: Sizes to fit applications indicated, selected from manufacturer's standard thicknesses, widths and lengths.

Perimeter insulation shall be extruded polystyrene foam insulation. Thicknesses as shown on the drawings.

The thickness shown on the drawings (6") is for Foil-Faced Batt Insulation with an RSI 3.34 (R value of 19 (R-19)). Verify with manufacturer that (6") thickness is adequate to achieve RSI 3.34 (R-value of 19).

Safing Insulation: Provide mineral fiber safing insulation, regular color, unfaced, thickness indicated or required. See drawings for locations.

Sound attenuation blankets shall be Noise barrier batts, Type 1, Unfaced 89 mm (3-1/2") thick.

Refer to Material and Product List on Drawings for additional information.

AUXILIARY INSULATING MATERIALS

Mechanical Anchors: Type and size indicated or, if not indicated as recommended by insulation manufacturer for type of application and condition of substrate.

Insulation Mastic: As recommended by insulation manufacturer for securing batts to surfaces shown on drawings.

Acoustical Sealant: Acoustical Sealant Type as recommended by manufacturer for condition.

PART III – EXECUTION**INSPECTION AND PREPARATION**

Required Installer to examine substrates and conditions under which insulation work is to be performed. As satisfactory substrate is one that complies with requirements of the section in which substrate and related work is specified. Obtain Installer's written report listing conditions detrimental to performance of work in this section. Do not proceed with installation of insulation until unsatisfactory conditions have been corrected.

Clean substrates of substances harmful to insulation or vapor retarders, including removal of projections which might puncture facings.

INSTALLATION, GENERAL

- Comply with manufacturer's instructions for particular conditions of installation in each case. If printed instructions are not available or do not apply to project conditions, consult manufacturer's technical representative for specific recommendations before proceeding with work.
- Extend insulation full thickness as shown over entire area to be insulated. Cut and fit tightly around obstructions, and fill voids with insulation. Remove projections, which interfere with placement.
- Apply a single layer of insulation of required thickness, unless otherwise shown or required to make up total thickness.

INSTALLATION OF GENERAL BUILDING INSULATION

Apply insulation units to substrate by method indicated, complying with manufacturer's recommendations. If no specific method is indicated, bond units to substrate with adhesive or use mechanical anchorage to provide permanent placement and support of units.

INSTALLATION OF SOUND ATTENUATION INSULATION

- Place sealant under track. Install acoustical insulation in between studs. Stagger wallboard joints.
- Sound blankets shall be pressed firmly in place against back of gypsum board and secured with mastic. Mastic and method of installation shall be in accordance with manufacturer's instructions. An air space shall be maintained between blankets and back surface of one partition face.
- Continuity of blankets shall be maintained. Use full-length strips where possible.
- This contractor shall consult and cooperate with tradesmen whose work precedes and follows sound blanket installation to permit the orderly and expeditious procedure in executing work of this Section.

- Upon completion, and at times when other contractors are covering work, correct loose, sagged or damaged work.

PROTECTION

General: Protect installed insulation from possible physical abuses, where possible by non-delayed installation of concealing work or, where that is not possible, by temporary covering or enclosure.

END OF SECTION