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A. Interior:

1. Refer to Interior Finish Specification table for product selection and requirements.

2. Description: Fiber reinforced plastic coated panels, 0.09 inch thick.

3. Physical Characteristics: Meet the following minimum characteristics:

a. Flexural Strength: 8,500 psi per ASTM D 790.

b. Tensile Strength: 5,000 psi per ASTM D 638.

c. Surface burning characteristics in accordance with ASTM E 84 for Class C finish:

d. Flame Spread: Less than 200.

e. Smoke Density: Less than 450.

f. United States Department of Agriculture (USDA): Approved for incidental food contact.

A. Examine surfaces and adjacent areas where products will be installed and verify that surfaces conform to product manufacturer's requirements for substrate conditions.

B. Beginning of installation indicates acceptance of substrate conditions.

A. Prepare substrate for product installation in accordance with manufacturer's published instructions.

A. FRP Panels:

1. Install FRP wall panels in accordance with manufacturer's published instructions.

2. Prefit each wall panel before securing in place. Cut panels with carbide-tipped power saw or swivel-head shear.

3. Provide manufacturer's recommended spacing between abutting panel ends, edges and trim. Provide minimum 1/8 inch space around pipes, electrical fittings, obstructions and other items penetrating panels. Fill joints with sealant.

4. Install panels with edges vertical and plumb. Use maximum length pieces to provide minimum number of end joints.

a. Align panel to panel vertical joints at inside and outside corner conditions.

5. Substrate: Apply adhesive to substrate and to panel backs as recommended by manufacturer with V-notch spreader. Provide 100 percent coverage of adhesive.

6. Install accessory panel trim pieces concurrently with installation of panels. Miter cut accessory panel trim at corners to provide smooth transition. Set trim attached to adjacent panel ends and edges and seal with sealant.

a. Install aluminum edge trim where panels abut ceramic wall tile in toilet airport entrances as shown on Drawings.

7. Seal corner seams, base and ceiling junctures, and junctures between panels and wall with sealant. Remove excess sealant during installation.

8. Provide sealant around all openings, corners, and joints.

2. FIELD QUALITY CONTROL

A. Inspect installation, accessories, and fastening to substrate.

07210 - BATT INSULATION, SPRAY INSULATION AND VAPOR BARRIER.

SUMMARY

A. Section Includes:

1. Batt Insulation.

2. Board Insulation.

REGULATORY REQUIREMENTS

A. Fire-Test-Response Characteristics: Provide insulation and related materials with the fire-test-response characteristics indicated, as determined by testing identical products per ASTM E 84 for surface-burning characteristics and other methods specified. Identify materials with appropriate markings of applicable testing and inspecting agency.

A. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination."

A. Provide R-19 minimum insulation at walls or horizontal planes separating unconditioned attic space from conditioned space.

1. SOUND ATTENUATION BATTS: "Knauf", "Certainteed", or equal. 4" thick and 6-1/4" thick.

2. SOUND BOARDS: 440 Homasote / Micore #300 board, 1/2" thick

3. TAPERED RIGID INSULATION: Refer to Roof Spec section.

4. VAPOR BARRIER: Reinforced foil scrim facing, 0.04 vapor transmission, equal to FSK50A by Tago Technology Corp.

5. VAPOR BARRIER TAPE: Aluminum foil tape, 1-7/8" wide x 50 yard rolls, equal to "3M Foil Tape 3381".

6. RIGID FOUNDATION INSULATION: Type IV extruded polystyrene, minimum 2" thickness.

A. Batt Insulation:

1. Verify adjacent materials are dry and ready to receive installation.

2. Verify mechanical and electrical services within walls have been installed and tested.

B. Board Insulation:

1. Verify substrate and adjacent materials and insulation boards are dry and ready to receive insulation and adhesive.

2. Verify insulation boards are unbroken, free of damage.

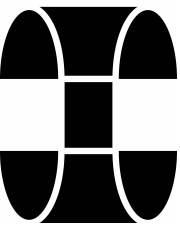
A. Install batt insulation in accordance with manufacturer's instructions, without gaps or voids.

B. Trim insulation neatly to fit spaces. Use batts free of damage. Fit insulation tight in spaces and tight to exterior side of mechanical and electrical services within the plane of insulation.

C. Install insulation with factory applied membrane facing warm side in winter of building spaces. Lap ends and side flanges of membrane. Attach insulation in place to framing; tape seal butt ends and lapped side flanges. Tape seal tears or cuts in membrane.

A. Coordinate with concrete Sections in Division 3 of the specifications for timely placement of insulation board.

B. Install two layers of insulation board in areas beneath freezers. Refer to Drawings for locations and details.



04/20/2026

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