

ANDREW GOODWIN DESIGNS
DESIGN | ARCHITECTURE | PLANNING

MEMORANDUM

Date: 8/26/2024
Project: 378 Royal Theater Subject: Project Estimate

Memo: #002

Please find attached additional specification section:

09 81 33 Acoustical Insulation, Sealants, and Accessories

SECTION 09 81 33 ACOUSTICAL INSULATION, SEALANTS AND ACCESORRIES

PART 1 - GENERAL

1.1 RELATED WORK

- A. Requirements: Provide acoustical insulation, sealants and moldable putty pads in accordance with Contract Documents.
- B. Related Sections.
 - 1. Section 09 2900 – Gypsum Board Assemblies.
 - 2. Section 09 2216 – Non-Structural Metal Framing

1.2 SUBMITTALS

- A. General: Submit the following in accordance with Section 013000 – Submittals.
- B. Product Data: Submit manufacturer's product data, specifications, typical installation details, and all other information necessary to show conformance with the Contract Documents, excluding material safety data sheets (MSDSs) for products listed below.
- C. Manufacturer's Instructions: Submit manufacturer's instructions for proper installation of products listed below.
- D. Warranty Documentation: Submit warranties signed by the manufacturer's representative with complete terms indicated for all warranties covering items furnished or installed under this specification section.

1.3 QUALITY ASSURANCE

- A. Source Limitations: Insulation and accessories must be obtained through one source from the same manufacturer (to ensure compatibility, regulator conformance and a warrantable installation).

1.4 DELIVERY AND STORAGE

- A. Delivery: Deliver in manufacturer's unopened containers fully identified with manufacturer's name, trade name, type, class, grade, and size.
- B. Storage: Store in unopened containers, off ground and protected from damage.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Unfaced Mineral/Glass Fiber Blanket/Batt Acoustical Insulation: Three-inch thick (minimum) unfaced semi-rigid mineral fiber or glass fiber blankets. Acoustical insulation to comply with ASTM C665, Type I, with maximum flame spread of 25 and smoke development of 50 per ASTM E 84.
1. Johns Manville Unfaced Fiber Glass Insulation
 2. Owens Corning Sound Attenuation Batt Insulation
 3. Certaineed NoiseReducer Insulation
 4. or approved equal.
- B. Sound Attenuating Fire Blanket Insulation: Asbestos-free mineral fiber insulation manufactured from slab and natural occurring rock and conforming to ASTM C665 requirements for Type 1 insulation.
1. Owens Corning Thermafiber SAFB
 2. Roxul Safe 45
 3. Fibrex FBX Industrial Board Insulations
 4. Or approved equal.
- C. Acoustical Sealant: Non-drying, non-hardening, non-skinning, non-staining, gunnable, synthetic rubber sealant recommended for sealing interior concealed joints to reduce transmission of airborne sound.
1. USG Sheetrock Brand Acoustical Sealant
 2. Tremco Acoustical Sealant
 3. Pecora Corp AIS-919 Acoustical Sealant
 4. or approved equal.
- D. Moldable Acoustical or Firestop Putty Pads for Electrical Outlet and AV Back Boxes: Putty pads should consist of a permanently non-hardening (intumescent compound for fire stop putty pads) 1/8-inch thick minimum moldable putty pad designed to seal the back and sides of electrical outlet and AV back boxes.
1. Non-Fire Rated Partitions:
 - (1) Harry A Lowry Outlet Box Pads.
 - (2) Dottie Sound Barrier Insulpad.
 - (3) Or approved equal
 2. Fire-Rated Partitions
 - (1) 3M Fire Barrier Moldable Putty Pads MPP+.
 - (2) Hilti CP 617 Firestop Putty Pads
 - (3) Specified Technologies SSP Firestop Putty Pads
 - (4) Kinetics Noise Control IsoBacker Putty pads
 - (5) or approved equal.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examination: Examine substrates, adjoining construction and condition under which Work is to be installed. Do not proceed with Work until unsatisfactory conditions have been corrected.

3.2 OUTLET BOX AND AV BACK BOX PADS (WALL AND SOUND CONTROL CEILINGS)

- A. Ensure that the surface of the electrical outlet and AV Back boxes are clean of dirt, rust, oil, release agents, repellants and any other substances that may affect proper adhesion.
- B. All wiring shall be completed prior to the installation of the moldable putty pads.
- C. Wrap the back and sides of the electrical outlet and AV Back boxes located within acoustic walls and ceilings with 1/8-inch moldable putty pads. The pads shall provide an airtight seal around the perimeter of the boxes.
- D. Caulk the joint between the electrical outlet and AV Back boxes and adjacent gypsum board with acoustical sealant.

END OF SECTION 09 8133