

ADDENDUM NO. 3

QUESTIONS and RESPONSES

- 3-1 Recently issued addendum-2 notes glass flooring and skylight have been eliminated, however revised A1.04 that was issued with this addendum still shows the skylight, and 1.4.2 shows the glass floor. Please clarify the extent of scope change.
Answer: The glass flooring and skylight have been eliminated. The contract documents will show this change before the contract is signed.
- 3-2 Are there any smoke dampers that require a fire alarm connection? If so, please indicate locations.
Answer: No. There are no smoke dampers specified on the project.
- 3-3 Light Fixture Schedule & Floor Plans - Fixture Type "T" is indicated on the floor plan, but not indicated on the schedule. Confirm these fixtures are to be either "T1" or "T2". Clarify accordingly.
Answer: Fixture type "T1" is located on the 2nd Floor. Type "T2" is located on the 3rd Floor.
- 3-4 Drawing E3.2 (Key Note #4) indicates a Dimming Allowance. Confirm the \$20,000.00 allowance is for both rooms #309 & #310. (not \$20,000.00 per room)
Answer: Yes, dimming allowance is for a common system to be shared by both Rooms 309 and 310.
- 3-5 Are there areas of the project (i.e. Room 116A Paint Booth), that require any additional hazard classification/rating (explosion-proof wiring/raceways)?
Answer: Only the paint booth. In addition to Fire Alarm, junction boxes and wiring devices for paint booth installation shall be explosion proof.
- 3-6 Drawing E3.1 (upper left room overhang) indicates a fixture type "V". Confirm this should be type "R". If not, please clarify.
Answer: Yes, Typo. Will update fixture tag.
- 3-7 There is a Fire Command Station and Fire Fighter Hand Set indicated on drawing E5.1 (Fire Alarm Riser). Is this equipment required for this project? If so, provide locations.
Answer: No fire alarm command center. Riser diagram will be updated.
- 3-8 We have been provided information that Air Purifiers Inc has a purchase order for equipment indicated on Mechanical Drawings. Given this, Mechanical Equipment Schedules indicates various equipment (Dust Collector & Accessories, Open Face Paint Booth, Abort Gate Air Compressor, etc.) that it is unclear of GC responsibility. Please clarify responsibility of equipment as GC Furnish/Install, Owner Furnish/GC Install, etc.
Answer: Air Purifiers Inc. did have a purchase order with Two River Theater to provide and install their equipment. That purchase order has been canceled. This work is to be part of your contract with the work to be done by Air Purifiers Inc.
- 3-9 Specification Section 095200 indicates Isogrid Sound Isolation Clip for Sound Isolation Ceilings. Please indicate which ceilings are sound isolation ceilings.
Answer: CL-3, "Direct attach acoustic panel on gypsum board with acoustical suspension system" are sound attenuation ceilings.
- 3-10 Specification Section 102601 indicates Wall and Comer Guards for receiving 145. This space is not on the drawings. Please indicate where corner and wall guards are to be provided.
Answer: No wall or corner guards on this project.
- 3-11 Please provide specification and detail for the pipe grid shown on the Reflected Ceiling Drawings.

Answer: The pipe grid shall be 1½" diameter [2" O.D. maximum], schedule 40 pipe with welded connections set at the height indicated on the reflected ceiling plans and building sections. 11/S7.0 shows the pipe connection detail to the structure above. Note, this detail indicates schedule 80, it should be schedule 40.

3-12 Where is Sprayed Insulation as listed under Specification Section 072129 to be installed? Please advise. Also, can this spray insulation be applied over the intumescent coating?

Answer: Sprayed "thermal" insulation shall be used in the cantilevered section of the third floor which has spray applied low density fireproofing. Sprayed "acoustic" insulation shall also be applied at all CL-7 ceilings. Spray-applied cellulose acoustical finish, such as k-13, by International Cellulose Corporation can be used at these ceilings. The k-13 should be sprayed to a thickness of 1.5 inches in the single height spaces and 3 inches in the double height spaces.

3-13 Reflected ceiling plans legend states CL-7 as "same as CL-6 with acoustic coating". Does this mean everywhere designated CL-7 is receiving sprayed cellulose fiber per spec section 072129?

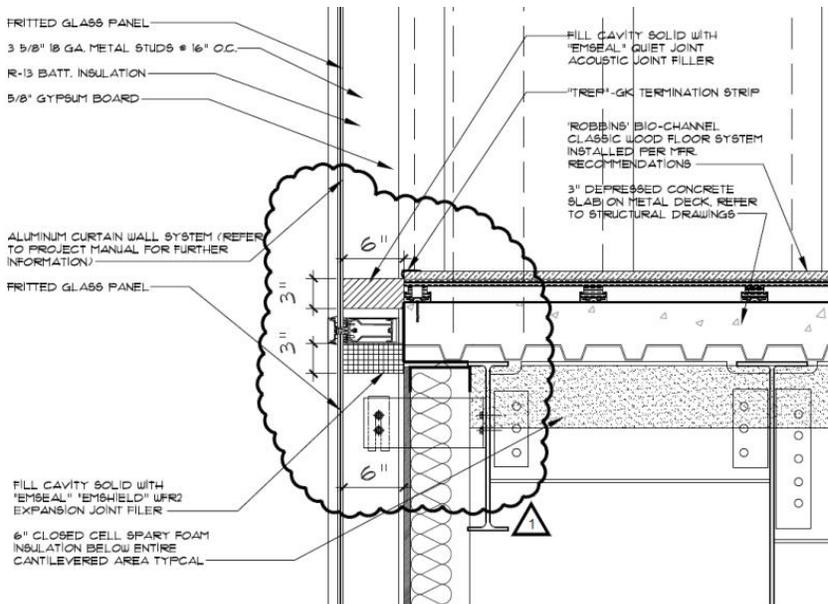
Answer: Sprayed "acoustic" insulation shall be applied at all CL-7 ceilings. Spray-applied cellulose acoustical finish, such as k-13, by International Cellulose Corporation, can be used at these ceilings. The k-13 should be sprayed to a thickness of 1.5 inches in the single height spaces and 3 inches in the double height spaces

3-14 Spec section 072129 for sprayed insulation calls for "cementitious overcoat" that appears to be over sprayed cellulose fiber. Please clarify the cementitious overcoat.

Answer: The "cementitious overcoat" is an ignition barrier that may or may not be required as part of the spray insulation system chosen. The exterior cantilever requires spray "thermal" insulation, whereas the interior spaces require spray insulation for "acoustic" purposes. Regardless, all structure is fire protected by other means, as outlined on the Fire Protection Plans.

3-15 Please provide a detail showing how to finish the space between the Curtain Wall Glass and the Floor Finish. (Example: See Detail 5/A-3.2.2 and 3/A—3.2.1).

Answer: Sheet Detail 3/A-3.2.1 does not relate to the curtain wall. Detail 5/A-3.2.2 has been clarified with dimensions and the Emseal Quiet Joint Filler technical sheet has been included.



- 3-16 Reflected ceiling plan A1.4.3 and building section on A3.1.1 show 'ADC silent steel model 280 curtain track, mounted flush to roof framing (typ)'. We did not see this item in the specs (we also did not see the Akon welding curtain). Are the dashed lines at the perimeter of 309 & 310 on A1.4.3 showing the extent of this track.
*Answer: Additional information for the curtain track can be found at: <http://www.automaticdevices.com/280-silent-steel/>. The dashed lines represent the extent of the track.
Additional information for the welding curtain can be found at: <https://www.curtain-and-divider.com/industrial-welding-curtains/welding-curtain-walls-2/>*
- 3-17 A2.2.13 shows a 'dye vat' at the corner of the Dye Room 312, and adds: 'see plumbing schedule'. P5.1 shows a 'gas kettle' note at the same location, and dye vat or gas kettle does not appear on the plumbing schedule. Is this an Owner furnished item? If not, please clarify the equipment to be installed here.
Answer: The item noted as a dye vat on drawing A-2-2.13 is a gas kettle. The plumbing contractor makes the gas connection to the kettle. This is an owner supplied item.
- 3-18 Regarding the lighting controls, Drawing E1.1 and the specifications indicate N-Light, but Drawing E7.0 indicates Wattstopper. Should it be assumed that all controls are N-Light and all the areas indicated to receive occupancy & vacancy sensors require a controller (0-10 volt & CAT5 cabling)? If not, please clarify.
Answer: Basis of Design Lighting Control Devices are as per the lighting control schedule on Drawing E1.1. Details were intended to be generic. Contractor shall coordinate specific system wiring diagrams with the system vendor.
- 3-19 Is this building in a designated flood zone that will require flood resistant design and construction?
Answer: The site is not located in a flood zone.
- 3-20 The Insurance Requirements issued with Addendum #1 mention a tail policy being required for the pollution Legal Liability insurance, but does not specify the length of time on the policy. Please provide.
Answer: 5 Years.
- 3-21 Please confirm the following milestone goals (as this document was issued at Pre-Bid meeting but did not see it as part of any of the Addenda issued):
May 14, 2018: Mobilization of Sitework;
July 2, 2018: Building Construction Start;
July 3, 2019: Building Construction Complete;
July 8 - July 26, 2019: Shop Move;
July 29 - Aug 23, 2019: Chavant Demo & Related Site Improvements;
August 23, 2019: Project Complete.
Answer: These dates still stand.
- 3-22 Please confirm we will be receiving a ST-5 tax exempt certificate for the project.
Answer: The successful bidder will be provided with an ST-5 tax exempt certificate.
- 3-23 Please explain the financial arrangements the Owner has made or the source of funding for this project.
Answer: Two River Theater has raised the funds for this project through private donations. There is no state or federal money involved.



TECH DATA QuietJoint

Mass-Loaded Acoustic Partition Closure



QuietJoint SHH coated two-sides
QuietJoint SHG coated three-sides

Product Description

QuietJoint is a sound, draft, heat, cold, and dust blocking acoustic partition closure and joint filler for interior, non-moving joints and gaps.

It is a non-mechanical, high-STC (Sound Transmission Class), non-invasively anchored closure that quickly and easily mates partitions to windows, mullions, or stud walls. QuietJoint also blocks sound transmission between rooms.

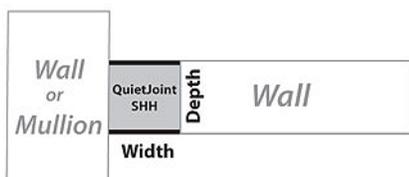
This product is colored, versatile, and ideally suited as a closure for gaps between the ends of permanent, semi-permanent, or movable partitions, window-wall, curtain-wall, head-of-wall and other conditions.

QuietJoint features a mass-loaded fire-resistant foam core coated with commercial-grade silicone. The foam core is a custom-density open-cell foam infused with a fire-resistant, acrylic-based mass-loading agent.

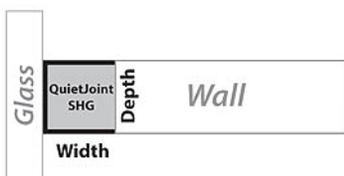
Material Configuration

QuietJoint comes coated on either 2 sides (SHH) or 3 sides (SHG).

SHH (two-sided silicone) is ideal for gaps between opaque or solid partitions, walls or mullions.



SHG (three-sided silicone) is typically used to fill gaps between the glass of curtainwall or windows on one side and solid substrates on the other. The third coating aesthetically covers the foam core so that the foam is not visible from the outside through the glass.



Uses and Applications

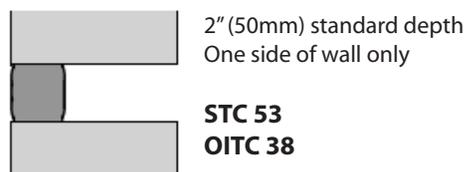
- End of partition to mullion (SHH 2-sided coating)
- End of partition to window (SHG 3-sided coating)
- End of partition to wall (SHH)
- Head of wall (SHH)
- To block any flanking path
- To fill construction-created voids and gaps

Features

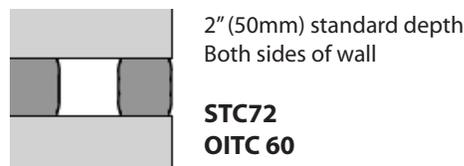
- Mass-loaded acoustic seal (STC-53, OITC-38, ASTM E-90)
- Fire-resistant (Smoke and Flame Spread Class A, ASTM E-84-12)
- Insulates (R-value 2.85/in depth, ASTM C-518-04)
- Sound attenuating
- Non-mechanical
- Non-metallic
- Rapid installation--new or retrofit
- Non-invasive anchoring
- Aesthetically and practically versatile
- Easily handles curves
- Helps control HVAC balance between rooms

Sound Attenuation

Independent laboratory tested to control passage of air-borne sound.



**When tested in a STC 56 (OITC 38) wall*



**When tested in a STC 72 (OITC 61) wall*

Independent laboratory tested to ASTM E90-09, "Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements"

Colors

- 26 Standard Colors
- Custom Colors
- Color-switching can be used with QuietJoint to coordinate with bands of color in a wall's color scheme.

Standard Sizes

Available in 1/4-inch increments for field-measured joint opening widths of 1-inch (25mm) to 6-inch (150mm). Supplied in 10-foot (3-meter) lengths which allows installation in most locations without any joints. QuietJoint is supplied in full-story, 10-foot (3-meter) lengths, and is shipped in loosely laid coils inside a cardboard box.

Joint Widths	Depth of Seal
1" - 4.75" (25 - 120mm)	2" (50mm)
5" - 6" (125 - 150mm)	3" (75mm)

Insulation Value

QuietJoint helps to control HVAC balance and energy loss between rooms.

The R-value of QuietJoint foam is R-2.848/inch of depth.

Depending on the joint size and related depth, the R-value of the material will be:

Material	R-Value (Installed one side of joint)	R-Value (Installed both sides of joint)
1" to 4 3/4" width with 2" depth (25mm to 120mm with 50mm depth)	5.696	11.39+ *
5" to 6" width with 3" depth (125mm to 150mm with 75mm depth)	8.544	17.09+ *

*Assumes installation from both sides of the wall thereby doubling the R-value. The inclusion of an air gap between the two pieces of QuietJoint will add additional insulation, effectively more than doubling the R-value.

Independent laboratory tested to ASTM C518-04 "Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus"

Installation Overview

Being careful not to stretch it, the material is laid out and cut to the desired length. Quietjoint is positioned over the joint opening and squeezed by hand to ease it into the joint. The silicone coating folds at its edges to absorb slight variations in substrates while maintaining a smooth appearance. Once in desired location, a plastic putty knife is used to tuck the edges of the silicone against the substrates to remove any wrinkles. The internal backpressure of the material mates it to the mullion or other joint faces.

Performance Limitations

Overcompressing QuietJoint can result in backpressure that could exceed the ability of certain substrates to resist this pressure. User is assumed to have tested all applications to ensure suitability for use.

Not intended for use in moving joints. Not trafficable. For watertight, moving structural joint gaps contact EMSEAL for product selection.

Availability & Price

QuietJoint is available for shipment internationally. Prices are available from local representatives and/or directly from the manufacturer. The product range is continually being updated, and accordingly EMSEAL® reserves the right to modify or withdraw any product without prior notice.