



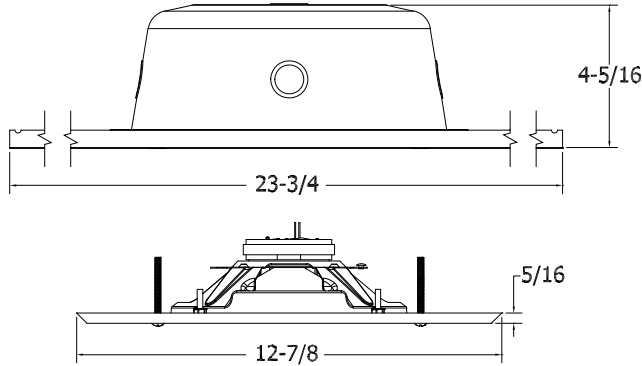
# Quam

## **SOLUTION 1** 8" Loudspeaker Assembly with Baffle, Back Can Universal Transformer and Tile Bridge

## **SOLUTION 2** 8" Loudspeaker Assembly with Baffle, Back Can Universal Transformer, Tile Bridge and Volume Control

**01****LOUDSPEAKER ASSEMBLIES**

### **0104.1 – INSTALLER PACKAGE** For Lay-In Ceiling Tile Installations



EXPLODED VIEW FOR CLARITY  
Baffle, speaker and transformer are assembled

#### **GENERAL DESCRIPTION**

The Quam SOLUTION 1 is the components required for a pair of completely assembled loudspeakers. Speaker/ dual-voltage transformer/ baffle is pre-assembled; additional labor and assembly required on site.

Quam SOLUTION 2– as above, with volume control in center of loudspeaker baffle. Adjustment by supplied knob or screwdriver adjust with knob removed.

Baffle finish: White baked epoxy hybrid.

Shipped as a complete pair in one carton

#### **INTENDED USE**

Indoor environment, downward-firing installed in a 24" wide drop-tile ceiling  
Program Material: Paging and background music

#### **SYSTEM COMPONENTS**

Loudspeaker	8C10PAX
Transformer	TBLU-5W, 25/70.7V, 5-taps at -3 dB levels
Baffle	BR8WS
Volume Control SOLUTION 2 Only	VC– Continuous
Back Can	ERD8U, UL Listed-UUMW
Tile Bridge Support	SSB-3

#### **AUDIO SPECIFICATIONS**

Speaker Size	8" frame
Average Sensitivity	95 dB-SPL, 1W/1M
Loudspeaker Power Rating	20W-RMS, EIA 426A Standard
Calculated Maximum System Output	102 dB-SPL, 5W/1M
Magnet Type, Weight	BeFe Ceramic, 10 oz. Nominal
Frequency Response:	60Hz - 17 kHz EIA 462A Standard
Nominal Coverage Angle	90° Included Angle, -6 dB / 2 kHz, Half space
Audio Connection	7" color-coded pigtails, tinned and pre-cut
Electrical Access	5x 1/2"/3/4" conduit knock-outs spaced 90° apart, one on top

Recommended construction sequences, installation instructions and A&E Specifications are available in various formats on the Quam Architects' and Engineers' Resources CD or on the web at: [www.quamspeakers.com](http://www.quamspeakers.com)

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**SSB-2 Loudspeaker Assembly Support (Tile Bridge) for Ceiling Tile Installations**  
**For all QUAM 8" Loudspeakers and others.**

**INTENDED USE:**

Indoor environment, mounted parallel to floor plane in a 24" wide suspended ceiling tile grid.

Used with compatible round and square baffles with stud or screw mount.

Select your installation option from the list below:

**1. BACKBOX and ROUND or SQUARE Baffle Installation:**

- Refer to back box instructions for details

**Complete Tile preparation and Baffle installation with either instructions #2 or #3**

**2. ROUND Baffle Installation without back can:**

- Cut 8-1/2" square hole in tile using tile bridge as a template as shown **Figure A**.
- Position tile bridge on TOP of tile, legs like: **Λ**
- Bend 8x locator tabs around tile in opening
- Install speaker /baffle on opposite of ceiling tile and fasten to tile bridge/tile assembly with 4x #8-32 screws provided with speaker/baffle assembly.

**3. SQUARE Baffle Installation without back can:**

**Figure B:** Move 'J-nuts from Pos. 1 to Pos. 2

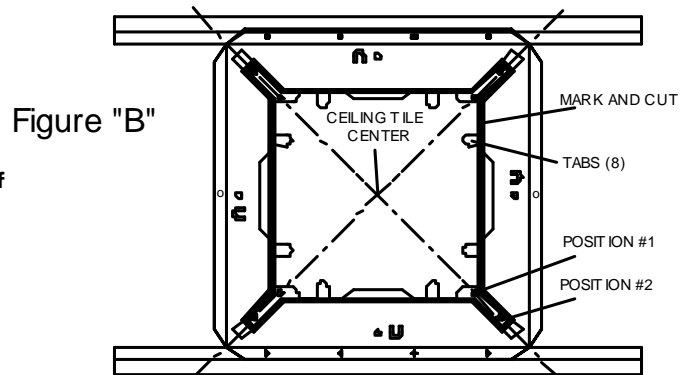
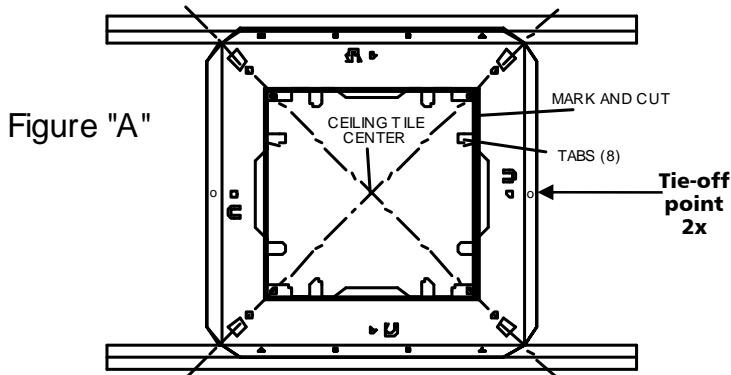
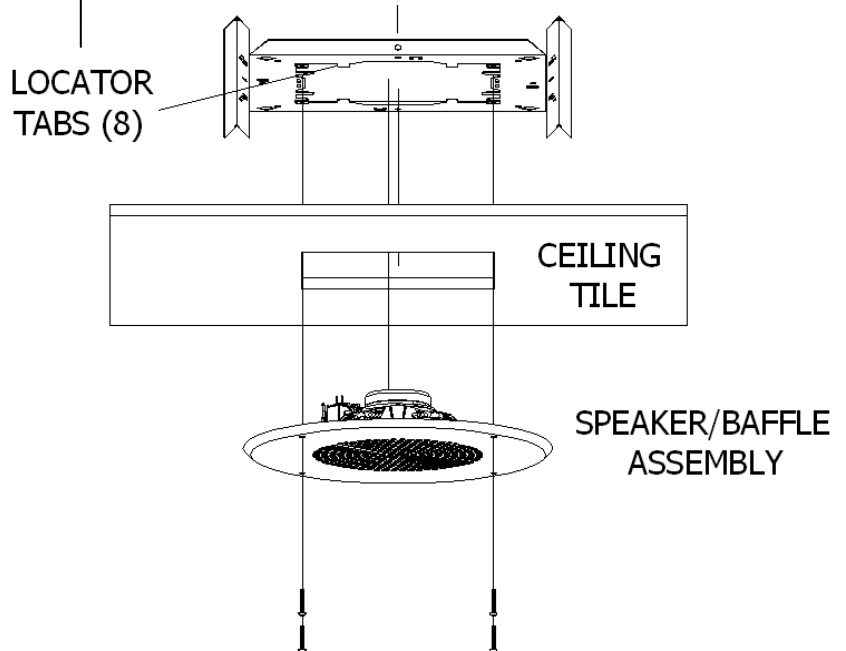
- Cut 8-1/2" square hole in tile using tile bridge as a template, with accessory cuts as shown in **Figure B** to access "J-nuts".
- Position tile bridge on TOP of tile, legs like: **Λ**
- Bend 8x locator tabs around tile in opening
- Install speaker /baffle on opposite of ceiling tile and fasten to tile bridge/tile assembly with 4x #8-32 screws provided with speaker/baffle assembly.

- Refer to loudspeaker assembly for proper termination, or go to [www.QuamSpeakers.com / Resources/ Wiring](http://www.QuamSpeakers.com / Resources/ Wiring)

- Insulate all unused taps from each other, the enclosure and electrical ground.

**NOTE! AHJ/ local codes may require tie-off to structure.** Tie-off to tile bridge frame using hole provided; see arrow on diagram.

**NOTE! AHJ/ local codes may require tie-down to grid** Create a hole in the T-bar next to the end of the tile bridge rails; secure with wire through the hole in the end of the



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