



FAQ Frequently Asked Questions

Guaranteed solution in writing

Q. We must meet a local noise ordinance in order to get our permit. How can I be guaranteed to meet that requirement?

A. Ask about our guaranteed acoustic solution design services. This is fee based and is directly related to site specific conditions. Shop drawings are provided and installations must be made in accordance to Troy engineered drawings. You may require pre- and post-testing in order to make this determination. On an indoor single firing line range, typically, use of 5/8" gypsum board, full coverage of 6" Troy Wool and Troy Board on your sidewalls and entire roof deck, coverage on your safety ceiling and drop ceiling behind the safety ceiling, will meet most city requirements. Since most ordinances require testing at your property line (if required), we would base our designs on property line testing based on your zoning classification.

Windows in the shooting range

Q. I have a lot of glass on the back wall of my range. Is there anything we can do to decrease the noise?

A. Yes. When you place your order with us we can send some cost saving ideas on how to install the glass to cut down the noise. Many of the ranges we see use ballistic glass in addition to our cost-saving acoustic suggestions. We do not supply any of the glass products.

Edge Metal

Q. Should I use edge metal around windows and doors?

A. Yes, it is recommended



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Canopy question

Q. We have a canopied outdoor range, with a back wall. I couldn't find any info on your website. What can we do to get rid of the echoing sound?

A. Canopies can be easily treated. We recommend at a minimum to use 1" Troy Board and 6" of Troy Wool. The installation would vary depending on the construction of your Canopy. If you are also concerned about the noise leaving the canopy you may want to use 5/8" hardee board (or something similar) flush mounted right against your roof deck, then put in the Troy System. You should also cover your back wall with 2" Troy Board and 2" Troy Wool using standard 1.5" z-channel or furring strips.

Shoot house

Q. We have a shoot house with rubber wall and a pole barn roof deck. Is there anything we can do to get rid of or reduce the reverb?

A. Yes. The only suggestion we would make is to put the Troy System 1" Troy Board and 6" Troy Wool in the roof deck. This will help reduce the noise bouncing off the deck.

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Pricing:

Q. How does your pricing work and what does it include?

A. The price is \$7.75 a square foot:

It includes the Troy Wool, Troy Board and Fasteners as shown below. You must tell us what type of wall you have so that we know what type of fasteners we should supply.

The Part #'s are shown below.

Part #	Troy System Description	Typically used on
TBWF-1-B	Troy System 1" Board (2' x 8'6" or 16.75 sq. ft. per board) and 2" Wool with 10 - 2" Fasteners (for use on wood or metal furring/z-channel – please specify)	Baffles, Safety Ceiling
TBWF-2-B	Troy System 2" Board (2' x 8'6" or 16.75 sq. ft. per board) and 2" Wool with 10 - 3" Fasteners (for use on wood or metal furring/z-channel – please specify)	Sidewalls
TBWF-2-6-B	Troy System 2" Board (2' x 8'6" or 16.75 sq. ft. per board) and 6" Wool with 10 - 3" Fasteners (for use on wood or metal furring/z-channel – please specify)	Sidewalls for isolation
TBWF-1-6-B	Troy System 1" Board (2' x 8'6" or 16.75 sq. ft. per board) and 6" Wool	Sub-ceiling for absorption and isolation

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Additional materials:

Q. Do we need to buy additional materials for the installation?

A. Yes, however they will vary depending on your specific requirements.

If you ordered this Part #	Then these are additional materials you may require.	Typically used on
TBWF-1-B	<p>Trim metal: <i>Although not noted trim metal is recommended around doorways and windows or room openings</i></p> <p>1-1/2" standard z-channel or fire rated furring strips: is used with 2" wool. The z-channel/furring strips must be installed 2' on center. Horizontal or vertical installation is directly related to your baffle dimension. Ask your baffle manufacturer if they can provide the z-channel or furring strips.</p> <p>Either weld z-channel or bolt on furring components: This component is typically supplied by your baffle or safety ceiling manufacturer</p> <p>Spray adhesive: makes it easier to install the Troy Wool</p> <p>Paint: 3 coats of Latex acrylic paint with an airless sprayer</p>	Baffles, Safety Ceiling
TBWF-2-B	<p>SAME AS TBWF-1-B</p> <p>1-1/2" standard z-channel or fire rated furring strips: is used with 2" wool. The z-channel/furring strips must be installed 2' on center. Horizontal or vertical installation is directly related to your baffle dimension. Ask your baffle manufacturer if they can provide the z-channel or furring strips.</p> <p>Either weld or fasten z-channel or bolt on furring components: This component is typically supplied by your baffle or safety ceiling manufacturer</p> <p>J-Channel: recommended for use along the bottom of the side or rear wall where system is installed 6" off the floor for easier vacuuming in the range.</p> <p>Spray adhesive: makes it easier to install the Troy Wool</p> <p>Paint: 3 coats of Latex acrylic paint with an airless sprayer</p>	Sidewalls
TBWF-2-6-B	<p>5/8" Gypsum board (recommended) but not required This board should be applied directly to the concrete wall. Use spray adhesive to hold board in place, then use nail gun to shoot into place</p> <p>6" Steel Studs or 6" wood fire rated sleepers (if allowed by Fire Marshal) and fasteners for studs or sleepers</p> <p>J-Channel: recommended for use along the bottom of the side or rear wall where system is installed 6" off the floor for easier vacuuming in the range.</p> <p>Spray adhesive: makes it easier to install the Troy Wool</p> <p>Paint: 3 coats of Latex acrylic paint with an airless sprayer</p>	Sidewalls for isolation
TBWF-1-6-B	<p>2' x 2' commercial grade grid supported every 4' in both directions.</p>	Drop ceiling for absorption

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Q. What is your shipping policy?

A. All f.o.b. Brunswick, GA shipments are sent most economical truck prepaid and added. You will be charged prior to shipment. Typically shipments are made on a flatbed truck. However smaller shipments may need to go on a consolidated shipment.

Q. Can I pick up the material at your Brunswick facility? If yes, how is it packaged?

A. Yes, you can pick it up at our Brunswick GA facility. All shipments are packed to the nearest half or full pallet.

Troy System Component	Full Pallet	Pallet dimension
1" Troy Board with fasteners	40 sheets (2' x 8'6" or 16.75 sq. ft. per board) 10 - 2" Fasteners (for use on wood or metal furring/z-channel – please specify)	2' x 9'
2" Troy Board with fasteners	20 sheets (2' x 8'6" or 16.75 sq. ft. per board) and 2" Wool with 10 - 3" Fasteners (for use on wood or metal furring/z-channel – please specify)	2' x 9'
2" Troy Wool	1 bale or 320 Sq. Ft.	4' x 4'
6" Troy Wool		4' x 4'

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