

8'-0" J CHANNEL @ 6" A.F.F. RANGE VENTILATLION RADIAL DIFFUSER (SEE MECH. DRAWINGS) 7'-4" 3'-8" SEE TROY COVERAGE SHEET A4 FOR DETAIL

STN

REAR WALL

**ELEVATION** 

SHEET# 3 OF

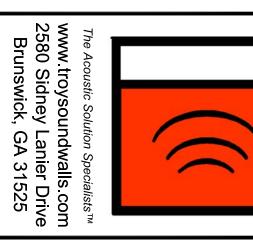
DRAWN BY- SLM **REAR WALL** DATE- 5-29-13 SECTION SCALE- AS NOTED

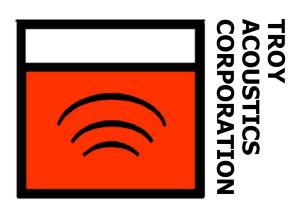
**REVISIONS:** 

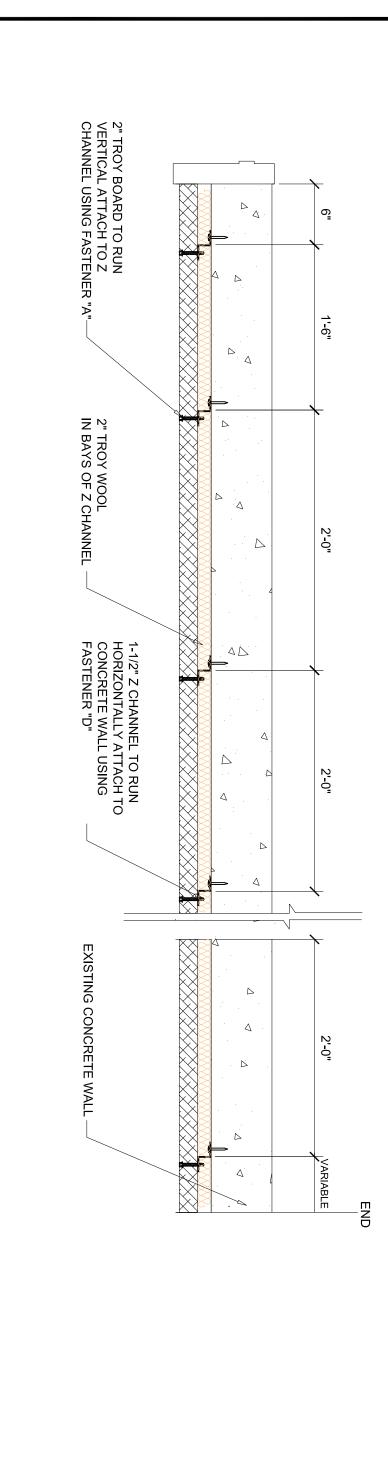
RECOMMENDED GENERIC DRAWINGS

TACTICAL

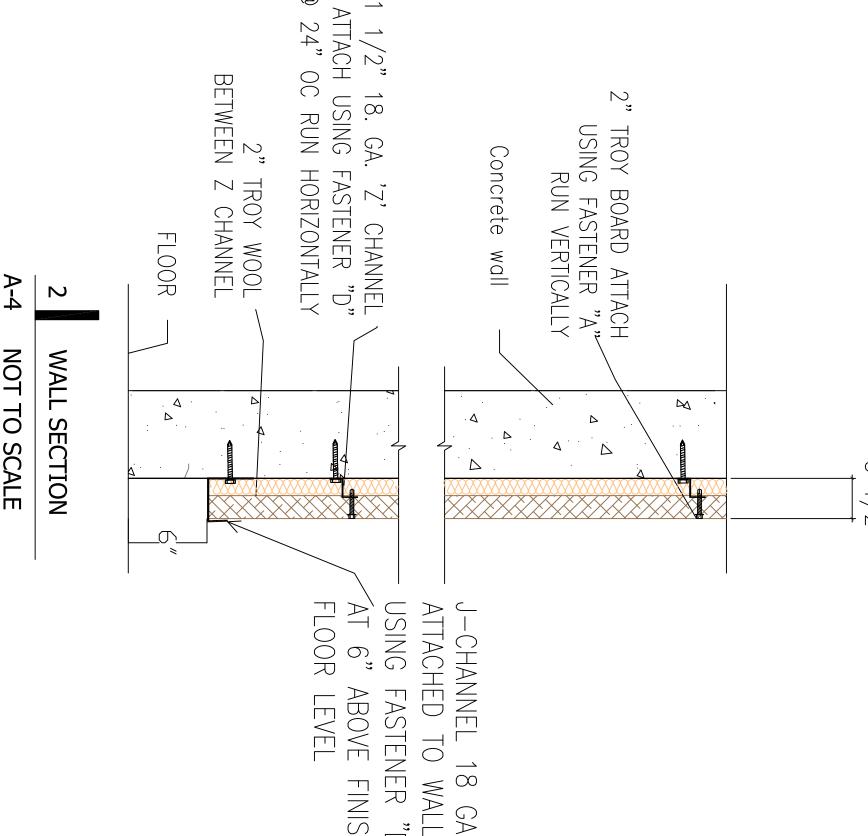
10 LANE RANGE

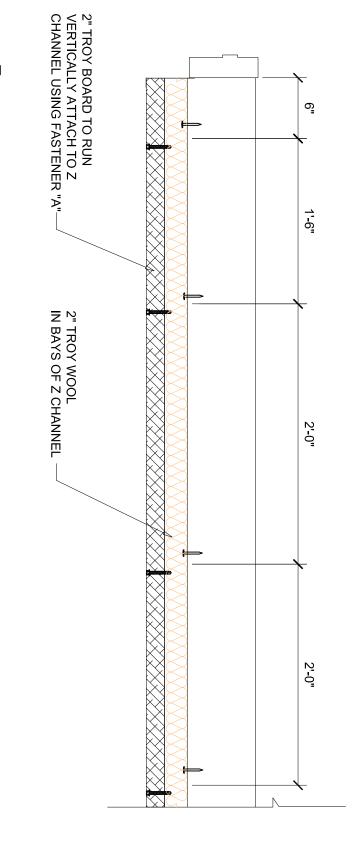






**NOT TO SCALE** SIDEWALL DETAIL -**TOP VIEW** 





 $\omega$ **NOT TO SCALE** REAR WALL DETAIL **TOP VIEW** 

Wall Install Procedure (Troy Board HORIZONTAL finish)

the same method \* Note if "J-channel" is called out, it should be installed before furring channels in

- Attachment of furring channel to wall is per detail provided. The furring are attached to all walls to be covered with Troy System. On the sidewalls and starting from left to right, lay out for the furring will run VERTICAL. Spacing for furring strips is 2' o.c. Start layout at 6" floor, or start of treatment, for first furring channel. Then follow spacing channel channels of 2' o.c.
- Attachment of 2" Troy Wool to wall surface using a spray adhesive (3M-90 or equal). The spray adhesive is to hold the Troy Wool in place until the Troy Board material is attached. The 2' width of the Troy Wool should fit snug in the bays of the furring channel. Use a 10" serrated bread knife to cut the Troy Wool. Cover entire designated surface with Troy Wool.

 $\circ$ 

1/4" X 2" LAG SCREW USED FOR CEILING APPLICATIONS

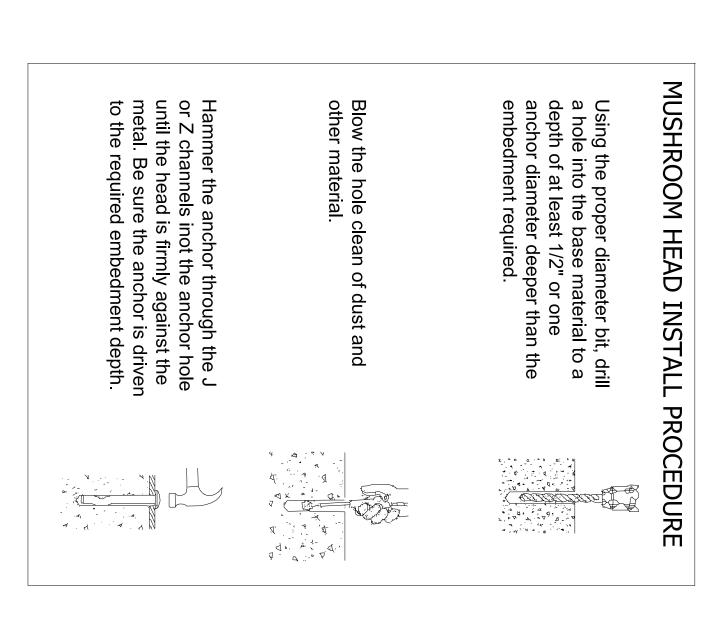
- 3. Start layout of Troy Board perpendicular to furring channel. Start the first course with the end (2' width side) of Troy Board flush against wall and the top side of Troy Board MUST BE LEVEL. DO NOT RELY ON FLOOR TO BE LEVEL. All cuts will be on floor side, thus leaving factory side for second course to set upon. DO NOT INSTALL CUT SIDE UP. Using the supplied Troy Board fasteners, attach Troy Board to furring strips with fasteners every 11.8" per Troy Board. Troy Board is a finish acoustic material. Make sure joints are tight. Troy Board is to be installed without edges damaged. Troy Board may be cut using a circular saw, hand saw, or reciprocating saw type. The Troy Board is manufactured with Portland cement; thereby dust will be created when using a
- The Troy Board material is 8'-6" long and WILL NOT fall on lay out of the furring strips. Therefore, attach two (2) additional furring strips, no longer than 8" ea, to wall surface located at end of Troy Board. These furring channels will keep the Troy Board flat and even from end to end. Spacing of furring channels at end of Troy Boards are to be at least 12" apart from each other, with 4" under the Troy Board just installed, and the other 4" is for the attachment of the next Troy Board
- manner cut in around angled baffles. The piece should be of a triangle shape. This shape to be cut out of a Troy Board in one piece. The triangular shaped piece is to be attached to the furring strips with the smaller point located to the lowest baffle point and the larger portion of the triangular shape to finish flush and plum with the baffle or safety ceiling to its left. Continue installation of Troy Board material as per plans and details In same

ABOVE FINISH

FASTENER "D"

 $\stackrel{\longrightarrow}{\infty}$ 

GAUGE



#### **FASTENERS**

 $\triangleright$ 

#14 X 3 " SELF TAPPING HEX HEAD SCREW USED TO FASTEN BOARD TO Z-BAR

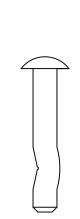
#14 X 2 " SELF TAPPING HEX HEAD SCREW USED TO FASTEN BOARD TO Z-BAR

 $\Box$ 



1/4" X 1 1/2" MUSHROOM HEAD SPIKE USED TO FASTEN Z-BAR, J CHANNEL & CLIPS TO CONCRETE STRUCTURE

 $\Box$ 





Ш

**ABBREVIATIONS** 

(N) NTS OC SQ STAGG ₩ TWP BLKG CMU AFF ΑB ANCHOR BOLT
ABOVE FINISHED FLOOR
BLOCKING
CONCRETE MASONRY UNIT
EXISTING
GAUGE NOT TO SCALE
ON CENTER
SQUARE
STAGGERED
TROY BOARD™
TO BE DETERMINED
TROY WOOL™
TYPICAL NEW NOT **WITH** 

GENERAL NOTES

ALL CONDUITS, JUNCTION BOXES, ELECTRICAL BOXES AND PANELS ARE TO BE SURFACED MOUNTED TO THE TROY SYSTEM  $^{\rm TM}$ . NO CUT OUTS FOR THESE TO BE PERFORMED. (U.O.N)

SCREWS USED TO FASTEN TROY BOARD  $^\mathsf{TM}$  ARE TO LIE FLUSH WITH THE PANEL.

VOIDS PAINT INSTRUCTIONS: USE AN AIRLESS SPRAYER WITH ACRYLIC LATEX BASE PAINT (2 - 3 COATS MAX). DO NOT FILL IN

INSTALLATION OF PANELS SHOULD BEGIN WITH A 2'-0" X 8'-6" PANEL ON THE BOTTOM INSIDE CORNER OF WALL CONTINUING DOWN THE END OF RANGE.

THICK TROY BOARD™ USED FOR WALLS

1" THICK TROY BOARD $^{TM}$  USED FOR BAFFLES AND CEILING UNLESS OTHERWISE NOTED.

Z-CHANNELS ON BAFFLES RUN LONGITUDINALLY (UP AND DOWN RANGE). TROY BOARD™ WILL RUN ACROSS (LEFT T

MATERIALS

TROY WOOL™ TROY BOARD™

SHEET #

4

QF

 $\infty$ 



WALL **DETAILS** 

DRAWN BY- SLM DATE- 5-29-13 SCALE- AS NOTED

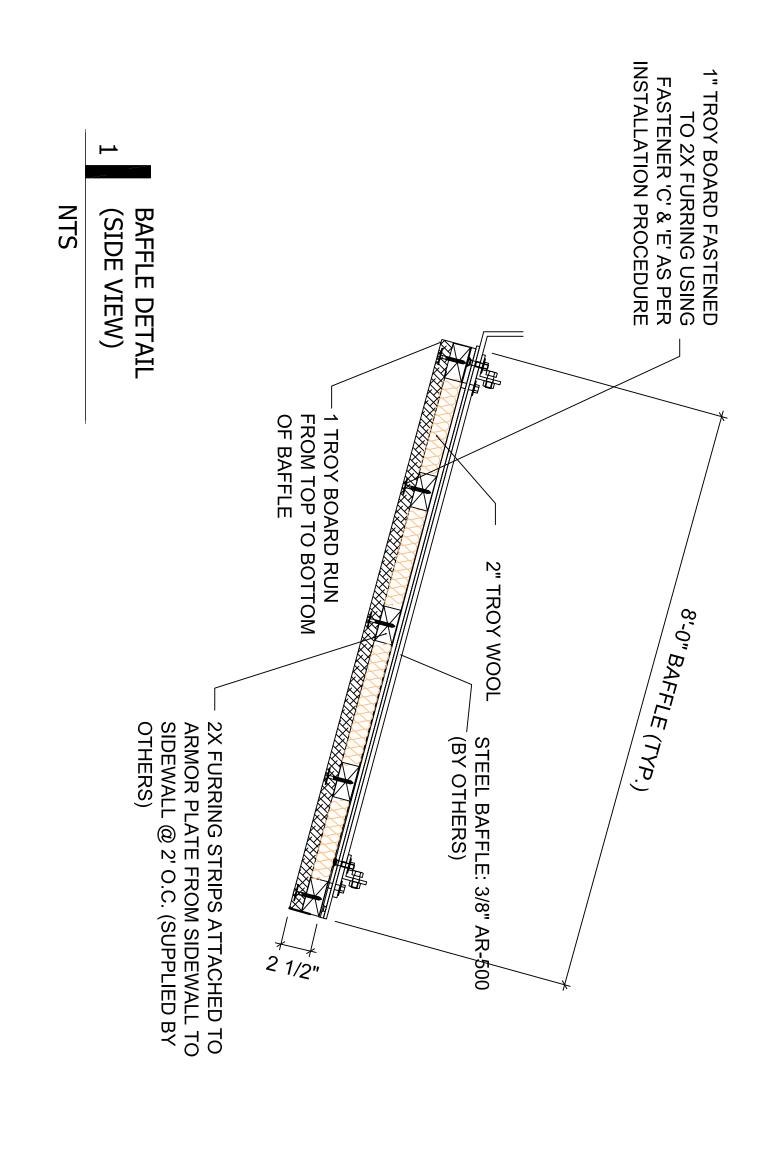
RECOMMENDED GENERIC DRAWINGS **TACTICAL** 10 LANE RANGE

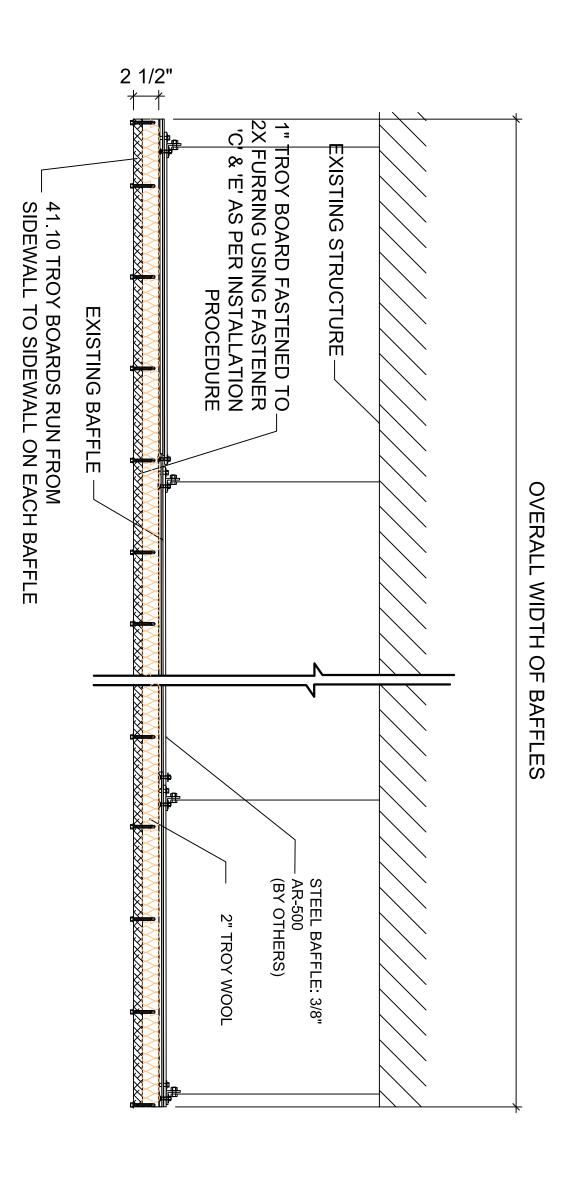
TROY
ACOUSTICS
CORPORATION

www.troysoundwalls.com 2580 Sidney Lanier Drive Brunswick, GA 31525

Tel. (818) 376.8490 (800) 897.3306 Fax. (818) 376.8495

**REVISIONS:** 





2 NOT (TOP EDGE VIEW) BAFFLE DETAIL TO SCALE

# Baffle Install Procedure (with furring supplied by Troy Acoustics)

- Attach 2" Troy Wool to underside of baffle using a spray adhesive (3M-90 or equal) to hold TROY Wool until TROY Board material is installed. Use a 10" serrated bread knife to cut the Troy Wool to fit snuin the bays of the furring channels. snug
- Install layout of Troy Board perpendicular to furring channels with 2' width end flush against wall. Use GALVANIZED fasteners(10 per board) as supplied. Troy Board should be installed in a running bond method with the second course started with a half board.
- The Troy Board is a finished acoustic material which can be carbide saw or hand saw. Make sure joints are tight. cut with
- Masks or respirators should be used. Dust resulting from sawing is portland cement and wood fibers.

#### **FASTENERS**

 $\triangleright$ 

- #14 X 3 " SELF TAPPING HEX HEAD SCREW USED TO FASTEN BOARD TO Z-BAR
- #14 X 2 " SELF TAPPING HEX HEAD SCREW USED TO FASTEN BOARD TO Z-BAR

 $\Box$ 

1/4" X 2" LAG SCREW USED FOR CEILING APPLICATIONS 

 $\circ$ 

1/4" X 1 1/2" MUSHROOM HEAD SPIKE USED TO FASTEN Z-BAR, J CHANNEL & CLIPS TO CONCRETE STRUCTURE

 $\Box$ 





Ш

## **ABBREVIATIONS**

- AFF BLKG CMU (E) ΑB ANCHOR BOLT

  ABOVE FINISHED FLOOR

  BLOCKING

  CONCRETE MASONRY UNIT

  EXISTING

  GAUGE

  NEW

  NOT TO SCALE

  ON CENTER

  SQUARE

  STAGGERED

  TROY BOARD™

  TO BE DETERMINED

  TROY WOOL™

  TYPICAL

  WITH
- (N) NTS OC SQ STAGG ₩T WT MT QBI

### GENERAL NOTES

ALL CONDUITS, JUNCTION BOXES, ELECTRICAL BOXES AND PANELS ARE TO BE SURFACED MOUNTED TO THE TROY SYSTEM  $^{\rm TM}$ . NO CUT OUTS FOR THESE TO BE PERFORMED. (U.O.N)

SCREWS USED TO FASTEN TROY BOARD  $^{\mathsf{TM}}$  ARE TO LIE FLUSH WITH THE PANEL.

VOIDS PAINT INSTRUCTIONS: USE AN AIRLESS SPRAYER WITH ACRYLIC LATEX BASE PAINT (2 - 3 COATS MAX). DO NOT FILL IN

INSTALLATION OF PANELS SHOULD BEGIN WITH A 2'-0" X 8'-6" PANEL ON THE BOTTOM INSIDE CORNER OF WALL CONTINUING DOWN THE END OF RANGE.

THICK TROY BOARD™ USED FOR WALLS

1" THICK TROY BOARD  $^{\text{TM}}$  USED FOR BAFFLES AND CEILING UNLESS OTHERWISE NOTED.

Z-CHANNELS ON BAFFLES RUN LONGITUDINALLY (UP AND DOWN RANGE). TROY BOARD™ WILL RUN ACROSS (LEFT TO

MATERIALS

TROY WOOL™ TROY BOARD™

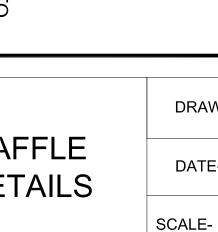




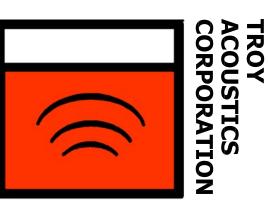
5

유

 $\infty$ 



RECOMMENDED GENERIC DRAWINGS **TACTICAL** 10 LANE RANGE



www.troysoundwalls.com 2580 Sidney Lanier Drive Brunswick, GA 31525

Tel. (818) 376.8490 (800) 897.3306 Fax. (818) 376.8495

SHEET# Ū

**BAFFLE DETAILS** 

DATE- 5-29-13

DRAWN BY- SLM SCALE- AS NOTED

**REVISIONS:** 

#### 1" TROY BOARD FASTENED TO 2 X FURRING USING FASTENER 'C'&'E' AS PER INSTALLATION PROCEDURE. (SIDE SAFETY CEILING DETAIL 2 1/2" 4'-0" BEHIND FIRING LINE VIEW) TROY BOARDS RUN | FROM FRONT TO BACK ON SAFETY CEIL|NG **≢ILING STRUCTURE** 12'-0' (TYP.) SAFETY CEILING FIRING LINE 2X FURRING STRIPS ATTACHED TO ARMOR PLATE FROM SIDEWALL TO SIDEWALL @ 2' O.C. SUPPLIED BY OTHERS STEEL SAFE CEILING: 3/8 (BY OTHERS " AR-500 1/2"

#### 2 1/2" †† 1" T 2 X AS ROY BOARD FASTENED TO FURRING USING FASTENER 'C'&'E' PER INSTALLATION PROCEDURE. 1 TROY BOARDS RUN FROM FRONT TO BACK ON SAFETY CEILING CEILING STRUCTURE EXISTING SAFETY CEILING OVERALL WIDTH OF SAFETY CEILING STEEL SAFETY CEILING: 3/8" / (BY OTHERS) 2" TROY WOO 'AR-500

# SUSPENSION WIRE

SCALE: 1/4' =

1'-0"

STANDARD COMMERCIAL ACOUSTICAL ABSORPTION CEILING **GRADE 2X2** II E

**NOT TO SCALE** 

NOTE:

COMMERCIAL TILE GRID (SUPPLIED BOTHERS) 2'X2' OR 2'X4'. GRID MUSBE SUPPORTED EVERY 4' IN EACH DIRECTION. TROY BOARD NOMINALLY 2'X8'6" MUST BE SINGLE SAW CUTTO FIT GRID. OR 2'X4'. GRID MUS-EVERY 4' IN EACH BOARD NOMINALLY

MUST

2

(END VIEW)

NOT TO SCALE

SAFETY CEILING

DETAIL

# Safety Ceiling Install Procedure (with furring supplied by Troy Acoustics)

**FASTENERS** 

 $\triangleright$ 

#14 X 3 " SELF TAPPING HEX HEAD SCREW USED TO FASTEN BOARD TO Z-BAR

TROY
ACOUSTICS
CORPORATION

or equal). The spray adhesive is to hold the Troy Wool in place until the Troy Board material is attached. The 2' width of the Troy Wool should fit snug in the bays of the furring channel. Use a 10" serrated bread knife to cut the Troy Wool. Cover entire designated surface with Troy Wool.

2. Start layout of Troy Board perpendicular to furring channel. Start the first course with the end (2' width side) of Troy Board flush against wall. Using the supplies Troy Board fasteners, attach Troy Board is a finish acoustic material. Make sure joints are tight. Troy Board is to be installed in a staggered seam

 $\Box$ 

#14 X 2 " SELF TAPPING HEX HEAD SCREW USED TO FASTEN BOARD TO Z-BAR

completed. Troy Board may be cut using a circular saw, hand saw, or reciprocating saw type. The Troy Board is manufactured with Portland cement, thereby dust will be created when using a circular saw. method. i.e. As you start with the first course with a full sheet, the second cours will start of with a half sheet. The pattern should look like masonry blocks once d course

 $\bigcirc$ 

1/4" X 2" LAG SCREW USED FOR CEILING APPLICATIONS

www.troysoundwalls.com 2580 Sidney Lanier Drive Brunswick, GA 31525

The Troy Board material is 8'-6" long and WILL NOT fall on lay out of the furring strips. Therefore, attach two (2) additional furring strips, no longer than 8" ea, to ceiling surface located at end of Troy Board. These furring channels will keep the Troy Board flat and even from end to end. Spacing of furring channels at end of Troy Boards are to be at least 12" apart from each other, with 4" under the Troy Board just installed, and the other 4" is for the attachment of the next Troy Board.

Ш

FENDER WASHER USED FOR CEILING APPLICATIONS

 $\Box$ 

1/4" X 1 1/2" MUSHROOM HEAD SPIKE USED TO FASTEN Z-BAR, J CHANNEL & CLIPS TO CONCRETE STRUCTURE

Tel. (818) 376.8490 (800) 897.3306 Fax. (818) 376.8495

#### DROP DOWN 24"X24"X1" 6"TROY WOOL ABOVE TROY CEILING BOARD PANELS PANEL $\sim$

#### RECOMMENDED GENERIC DRAWINGS **TACTICAL**

ALL CONDUITS, JUNCTION BOXES, ELECTRICAL BOXES AND PANELS ARE TO BE SURFACED MOUNTED TO THE TROY SYSTEM  $^{\rm TM}$ . NO CUT OUTS FOR THESE TO BE PERFORMED. (U.O.N) **REVISIONS:** 

GENERAL NOTES

**WITH** 



BLKG
CMU
(E)
GA
(N)
NTS
OC
SQ
STAGG
TB
TW
TYP
W

NEW

NOT TO SCALE
ON CENTER
SQUARE
STAGGERED
TROY BOARD™
TO BE DETERMINED
TROY WOOL™
TYPICAL

AFF

ANCHOR BOLT
ABOVE FINISHED FLOOR
BLOCKING
CONCRETE MASONRY UNIT
EXISTING
GAUGE

**ABBREVIATIONS** 

10 LANE RANGE

DRAWN BY-SLM DATE- 5-29-13 SCALE- AS NOTED

X 8'-6"

SCREWS USED TO FASTEN TROY BOARD  $^{\mathsf{TM}}$  ARE TO LIE FLUSH WITH THE PANEL.

PAINT INSTRUCTIONS: USE AN AIRLESS SPRAYER WITH ACRYLIC LATEX BASE PAINT (2 - 3 COATS MAX). DO NOT FILL IN VOIDS.

**CEILING DETAILS** 

1" THICK TROY BOARD  $^{\text{TM}}$  USED FOR BAFFLES AND CEILING UNLESS OTHERWISE NOTED.

THICK TROY BOARD™ USED FOR WALLS

Z-CHANNELS ON BAFFLES RUN LONGITUDINALLY (UP AND DOWN RANGE). TROY BOARD™ WILL RUN ACROSS (LEFT T

INSTALLATION OF PANELS SHOULD BEGIN WITH A 2'-0" PANEL ON THE BOTTOM INSIDE CORNER OF WALL CONTINUING DOWN THE END OF RANGE.

**MATERIALS** 

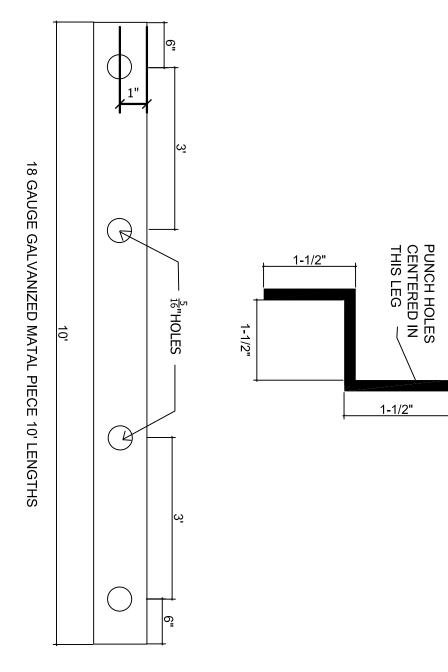
SHEET # A-6

6 OF  $\infty$ 

CONCRETE/CMU

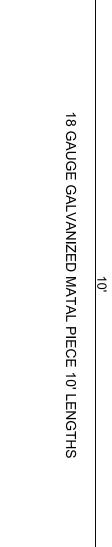
TROY WOOL™

TROY BOARD™



Z CHANNEL DETAIL

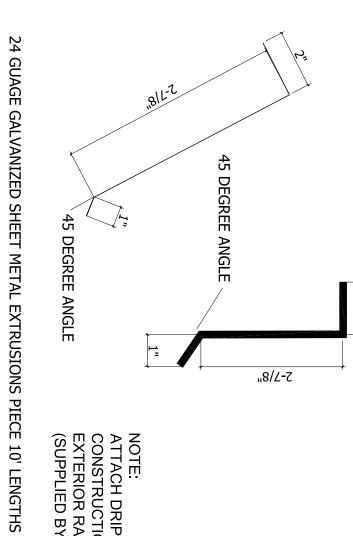




**EDGE METAL** NOT TO SCALE

24 GAUGE GALVANIZED METAL PIECE 10' LENGTHS





NOTE:
ATTACH DRIP EDGE TO BAFFLE USING
CONSTRUCTION ADHESIVE - USED IN
EXTERIOR RANGES ONLY
(SUPPLIED BY OTHERS)

**EDGE METAL** NOT TO SCALE

2

J CHANNEL DETAIL

18 GUAGE GALVANZIED METAL PIECE 10' LENGTHS

R

 $\frac{5}{16}$ "HOLES

NOT TO SCALE

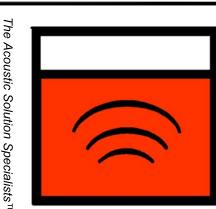
SHEET# 9  $\infty$ 

DRAWN BY- SLM **DETAILS** DATE- 5-29-13 SCALE- AS NOTED

**REVISIONS:** 

RECOMMENDED GENERIC DRAWINGS TACTICAL 10 LANE RANGE

The Acoustic Solution Specialists™ www.troysoundwalls.com 2580 Sidney Lanier Drive Brunswick, GA 31525 Tel. (818) 376.8490 (800) 897.3306 Fax. (818) 376.8495



TROY
ACOUSTICS
CORPORATION

PDFs NOT REPRODUCED TO SCALE, DO NOT ATTEMPT TO SCALE DIMENSIONS FROM THESE DRAWINGS

NOTICE OF Proprietary & Confidential INFORMATION

This drawing and the information contained herein is the sole property of Troy Acoustics Corporation and it is licensed and protected under U.S. Patent #5,661,273. Any use or reproduction in part or as a whole is strictly prohibited without the prior, written permission of Troy Acoustics Corporation. Contact:

SHEET#

**DETAILS** 

**A-8** 

QF

 $\infty$ 

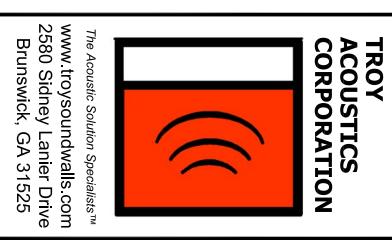
REVISIONS:

DRAWN BY- SLM

DATE- 5-29-13

SCALE- AS NOTED

**TOLERANCES NOT TO SCALE** SUBSTRATE ROUGH FINISH
TOLERANCE FOR TROY BOARD
2" TROY BOARD SHOWN SITE LINE SITE LINE 1" TROY BOARD SHOWN MAX =  $\frac{3}{8}$ ":8 FT (+/-  $\frac{3}{16}$ " =  $\frac{1}{2}$ ) FOR 2" TROY BOARD  $=\frac{1}{4}$ ":8 FT (+/- $\frac{1}{8}$ " = $\frac{\triangle}{2}$ ) FOR 1" TROY BOARD  $\frac{1}{100}$  MAX =  $\frac{1}{8}$ " (+/-  $\frac{3}{16}$ ") 9'-0" 4'-0" FURRING 2 X 4 OR
18 GAUGE METAL "Z" (TYP.) = +/- 16" PER 4'-0" FURRING 2 X 4 OR L.W. STEEL – (TYP.) FROM FIRING POSITION TOWARD TARGET BAFFLE VIEW - ELEVATION PERSCPECTIVE 2" TROY BOARD EXAMPLE BAFFLE SECTION SHOWN 1" X 2' X 8' TROY BOARD (TYP.) AR STEEL PLATE AR STEEL PLATE (TYP.) SUBSTRATE SURFACE



RECOMMENDED GENERIC DRAWINGS

TACTICAL

10 LANE RANGE

TROY BOARD TYPICAL SUBSTRATE ROUGH FINISH TOLERANCES