FCTA-SERIES
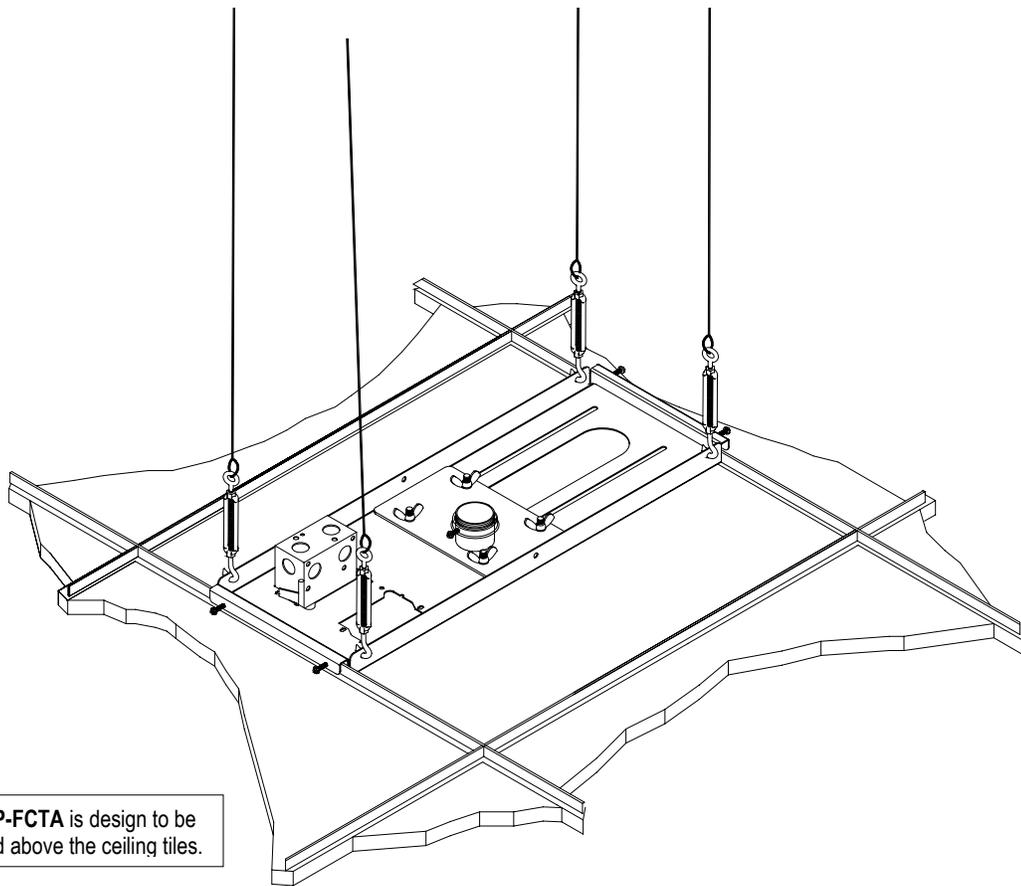## INSTALLATION MANUAL

PREMIER MOUNTS
Mounts With Muscle

PLASMA DISPLAY MOUNT MODEL

PP-FCTA

The **PP-FCTA** is design to be installed above the ceiling tiles.

Premier Mounts
Supplying the world with superior mounts

A DIVISION OF
PROGRESSIVE MARKETING PRODUCTS INC.

3130 E. Miraloma Ave. Anaheim, CA 92806 Phone: 800 368-9700 Fax: 800 832-4888

VISIT US AT WWW.PREMIERMOUNTS.COM

Contents

Safety & Precautions

WARNING Safety precaution measures must be practiced at all times during the installation of this product. Use proper safety gear and tools for the installations procedure to prevent personal injury.

WARNING!

The ceiling structure must be capable of supporting at least five (5) times the weight of projector. If not, the ceiling structure must be reinforced. Proper installation procedure by qualified personnel as outlined in the installations instructions must be adhered to. Failure to do so could result in serious personal injury.

The entire installation instructions should be fully read and understood, including all of the safety symbols and safety precautions, before beginning installation. The installation instructions should be read, understood and followed to prevent personal injury or property damage. Keep these installation instructions in an easily accessible location for future reference.
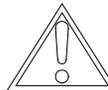
Indicates that the power plug is to be disconnected from the power outlet.

Contact Premier Mounts for any questions

Safety precautions must be taken at all times.

Warning and caution in general

Do not install near heater, direct sunlight or air conditioning or any other source of direct heat energy. Failure to do so may result in damage to the projector.

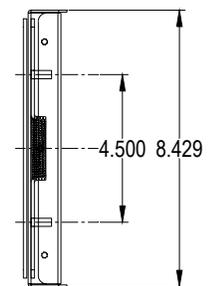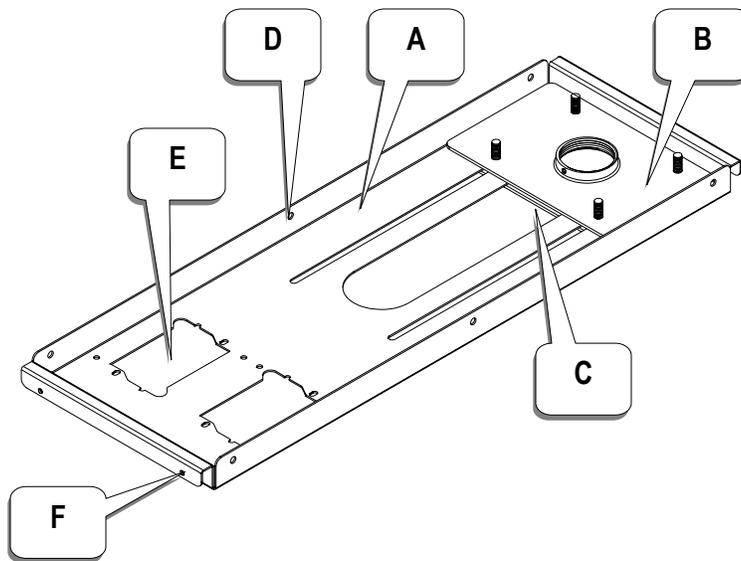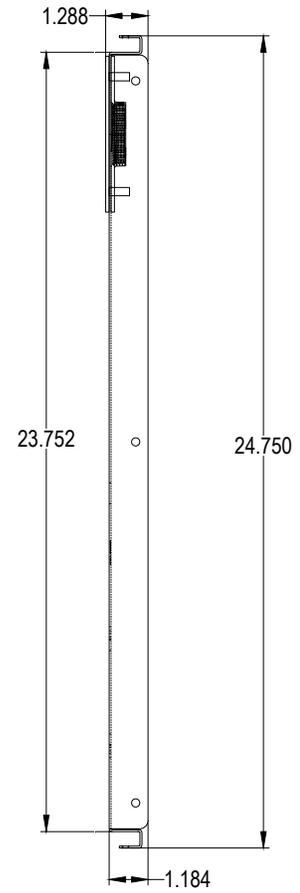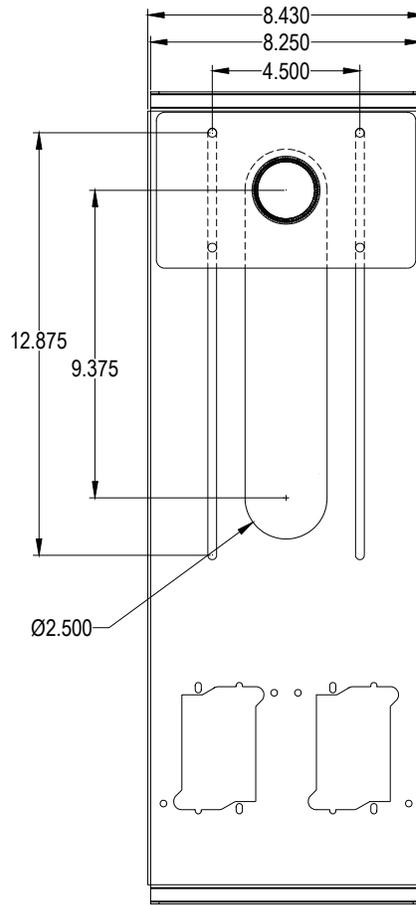A qualified person should always perform the installation work.

Diagrams

SPECS

PART#:
PP-FCTA False ceiling mount

COLOR:
White

A. Ceiling main plate

B. 1½" (NTP) adapter plate

C. Ceiling stud plate

D. (6) Turnbuckle mounting points

F. (4) Securing points

E. (2) Electrical cut outs

8.430

8.250

4.500

1.288

12.875
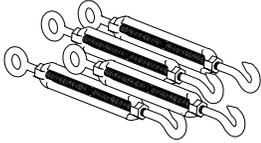
9.375

23.752

24.750

Ø2.500

1.184

D

A

B

E

C

F

4.500   8.429

Parts List

Phillips screwdriver, Pliers, Wire cutters
 (Other tools required depending on the installation environment)

HARDWARE
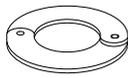
¼"-20 Turnbuckles

10/32 x ½"
Phillips hex
head screws

¼"-20 Wing nuts

14 (GA)
Galvanized
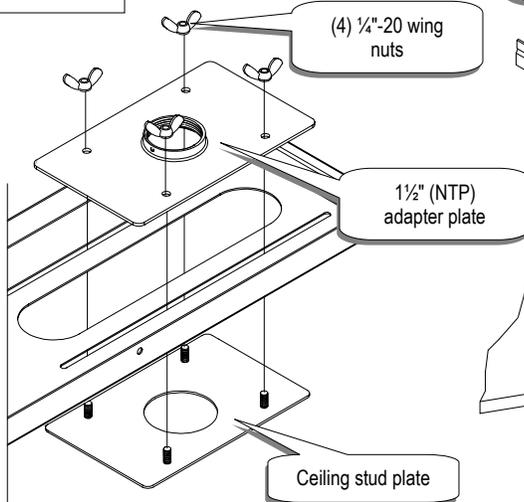steel wire

¼" x 3"
Lag bolts

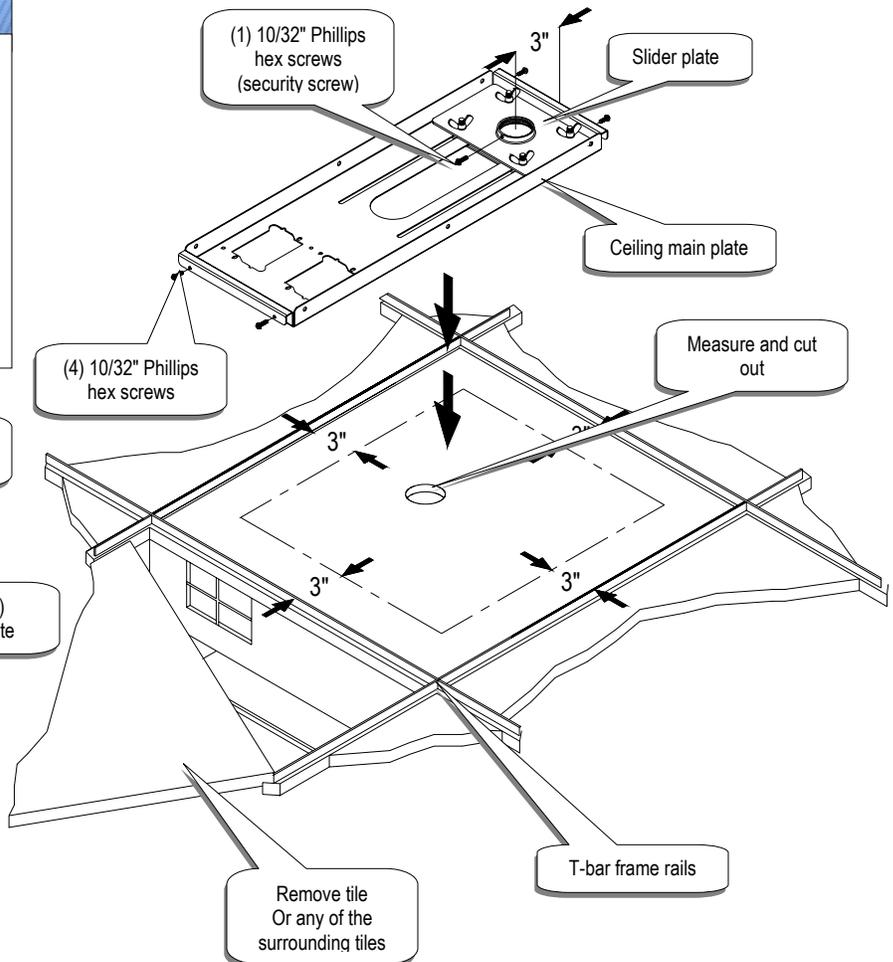Escutcheon ring

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Plate assembly

Step 1
NOTE: Read all cautions and warnings before continuing.
Assemble the plate together. Pre-set all the 10/32" screws two
(2) on both outer ends of the plate and one (1)
found on the 1½" (NTP) nipple.
 Observe the room and the ceiling; find the proper location for
the projector placement and lightly mark the bottom of the tile.
Remove any of the 24" x 24" or 24" x 48" tiles that are
surrounding the marked tile. Measure 3" from the edge of the
t-bar to the inside of the tile. The hole excepting the pipe
should be cut anywhere inside the square. Place the ceiling
plate on the t-bar rails. See figure 1.

Figure 1

(4) ¼"-20 wing
nuts

1½" (NTP)
adapter plate

Ceiling stud plate

Loosely install the plates

(1) 10/32" Phillips
hex screws
(security screw)

3"

Slider plate

Ceiling main plate

(4) 10/32" Phillips
hex screws

Measure and cut
out

3"

3"

3"

3"

Remove tile
Or any of the
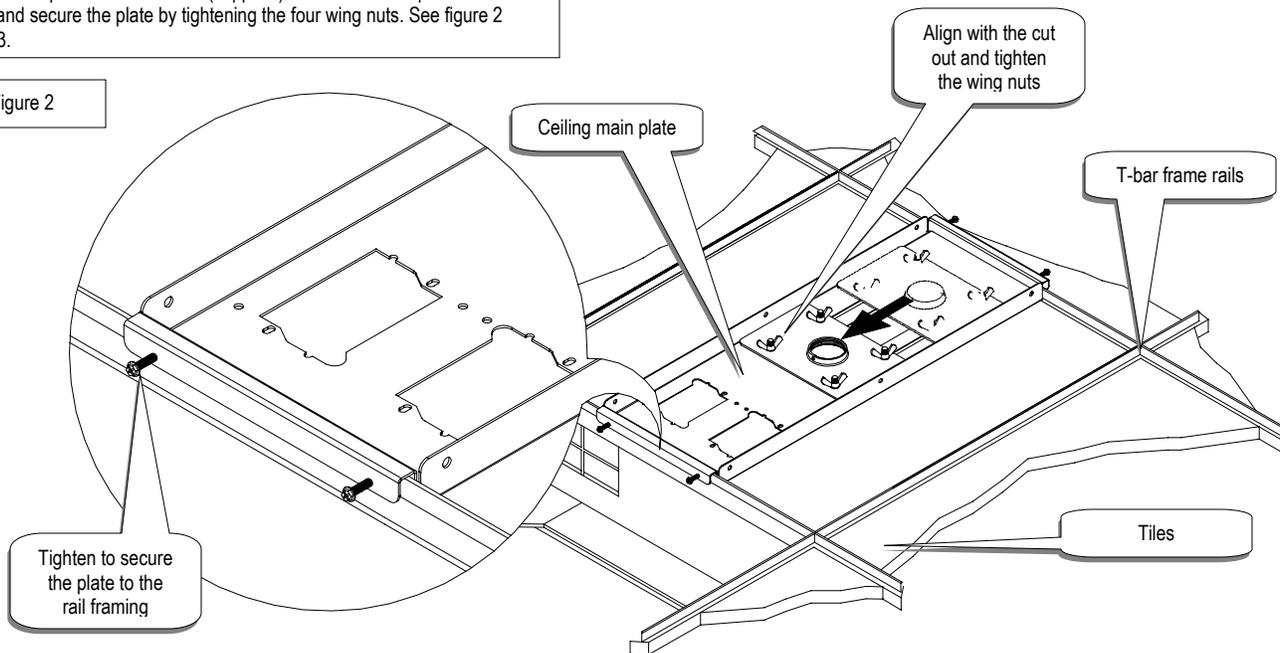surrounding tiles

T-bar frame rails

Securing the plate

Step 2

Cut a hole on the marked tile where the 1½" (NTP) close nipple or pipe (optional) will be secured to the plate. Position and slide the stud plate to the hole and secure the ceiling plate to the rails by tightening the four (4) 10/32" Phillips hex head screws (supplied). Center the stud plate to the hole and secure the plate by tightening the four wing nuts. See figure 2 and 3.

Figure 2

Align with the cut out and tighten the wing nuts

Ceiling main plate

T-bar frame rails

Tiles

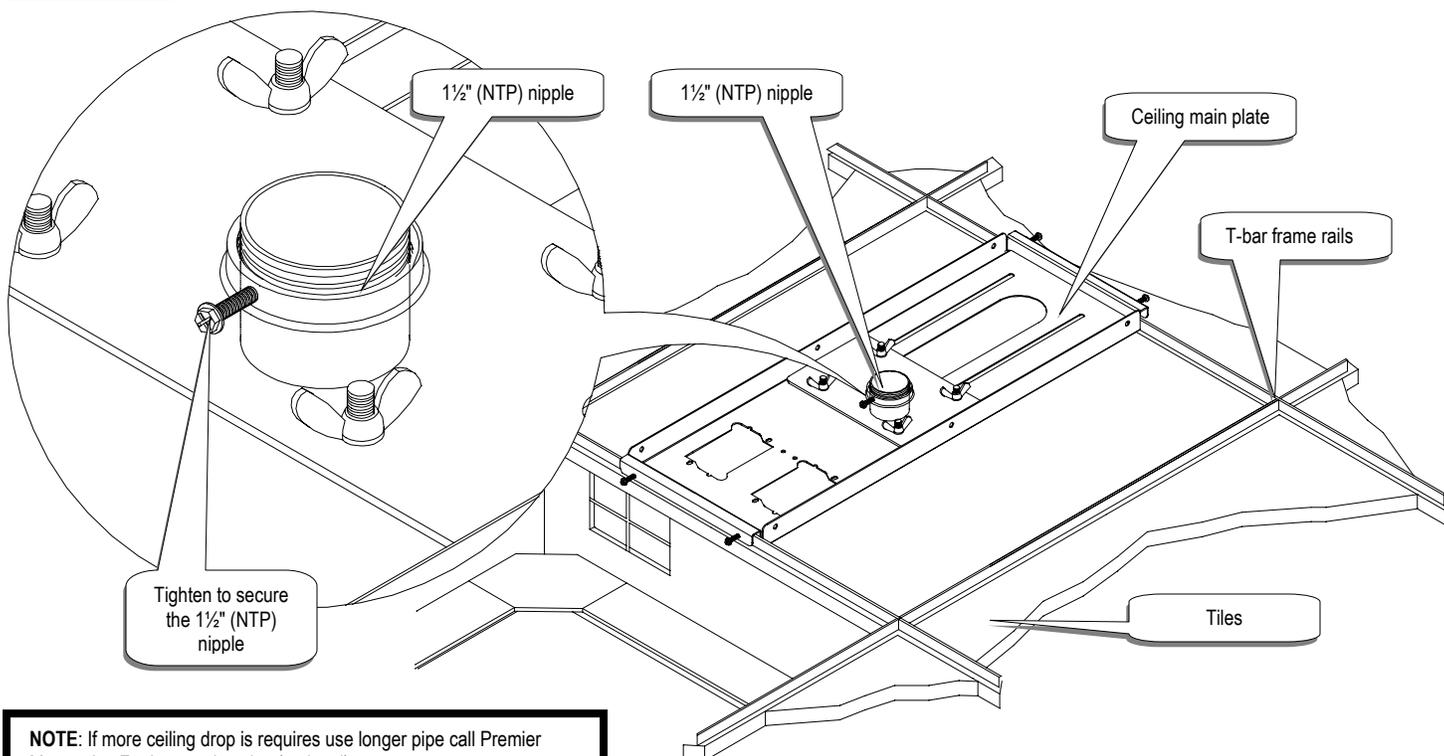Tighten to secure the plate to the rail framing

Step 3

Secure the 1½" (NTP) nipple to the ceiling plate and secure the nipple by using one (1) 10/32" Phillips hex head screw (supplied) to the stud plate.
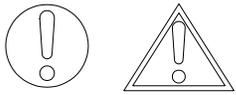
CAUTION: The main ceiling plate has to rest on the t-bar main frame. Use the four (4) 10/32" x ½" Phillip head screws to secure the plate. Failure to do so may result in the instability of the plate.

Figure 3

1½" (NTP) nipple

1½" (NTP) nipple

Ceiling main plate

T-bar frame rails

Tiles

Tighten to secure the 1½" (NTP) nipple

NOTE: If more ceiling drop is requires use longer pipe call Premier Mounts Inc For longer pipe size (optional).

CAUTION: The 10/32" x ½" Phillip hex head screw must be used to stabilize the 1½" (NTP) nipple or optional pipe.

5

Step 4
NOTE: The electrical installation should be done in according to local codes and regulations.
Cut the tile where the electrical base box is going to be secured. Using (commercially available) hardware depending on electrical installation environment, Install the electrical box and secure it to the plate. Make all electrical connections at this time.
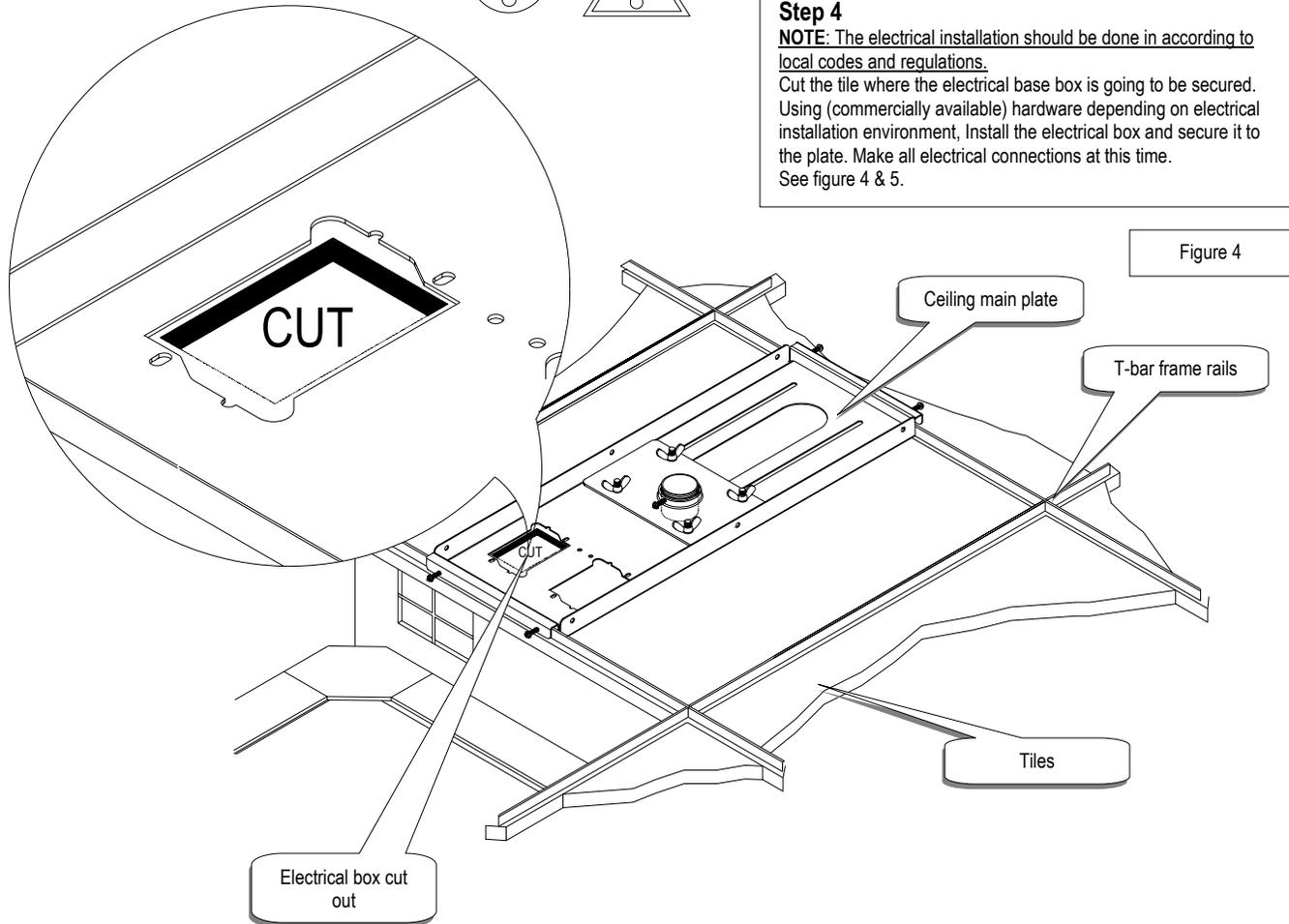See figure 4 & 5.

CUT

Figure 4

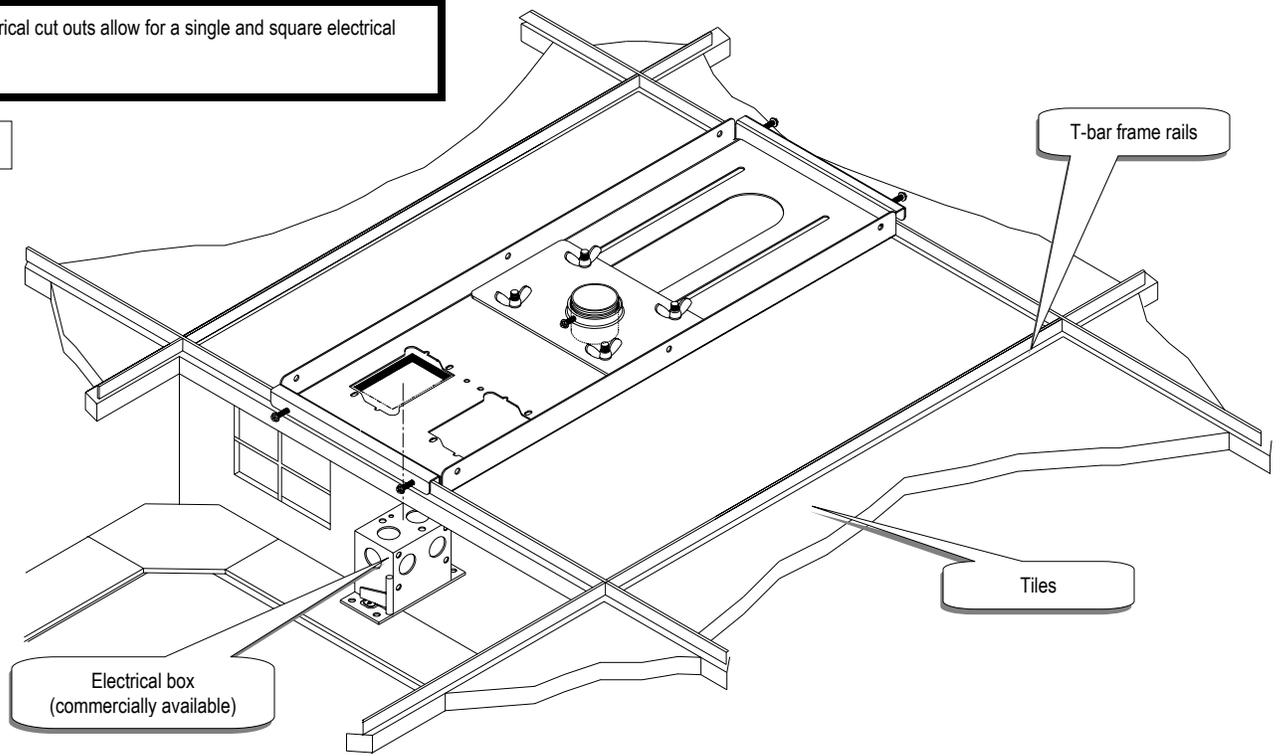Ceiling main plate

T-bar frame rails

CUT

Tiles

Electrical box cut out

NOTE: The electrical cut outs allow for a single and square electrical box installations.

Figure 5

T-bar frame rails

Tiles

Electrical box (commercially available)

6

Ceiling anchoring

Step 5

Wood joist: Secure the four (4) ¼" eye lag screws to the wood joist on the ceiling. Make sure eye lag screws are properly secured to the joist before securing the wire to the turnbuckles on the plate.

Concrete: Use (commercially available) suitable hardware depending on your installation environment. And follow the instructions below.

Truss ceiling: Use (commercially available) suitable hardware depending on your installation environment. And follow the instructions bellow.

Loop the wire through the eye lag screws, anchors, or truss and twist the wire at least five (5) times itself to secure it. Run the other end of the wire through the turnbuckle and twist the wire at least five (5) times around itself to secure it. See figure 6 & 7.

CAUTION: The final loop on the wire has to tightly bend and secured to the wire to prevent the wire from untwisting itself. Twist the turnbuckles to fine tune adjust.

CAUTION: Recheck all hardware and installation for proper tightness and security and replace the tile.

Figure 6

Concrete

Wood joist

Truss

14 (ga) Wire
Tightly secured

Figure 7

CAUTION: Loop the 14 (ga) wire at least 5 times around itself. The final loop has to be secured to prevent the wire from becoming untied.
Do this for the eye lag screws and turnbuckles

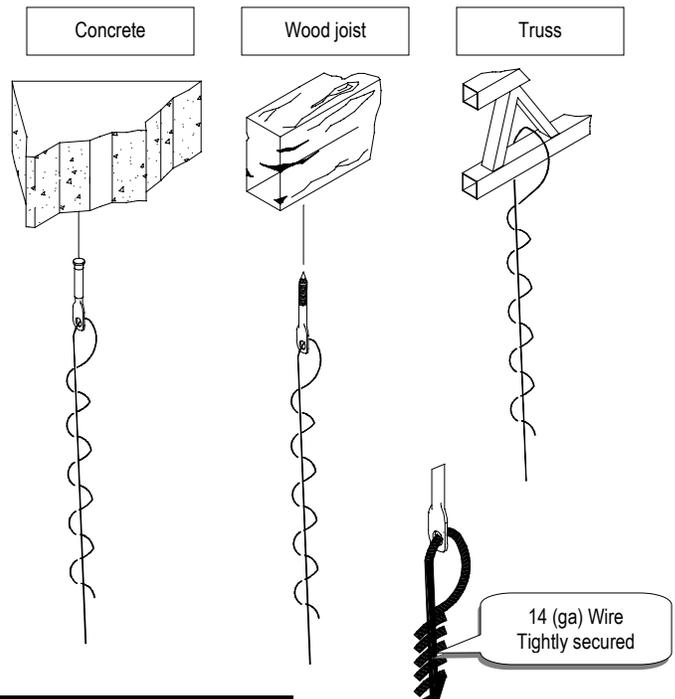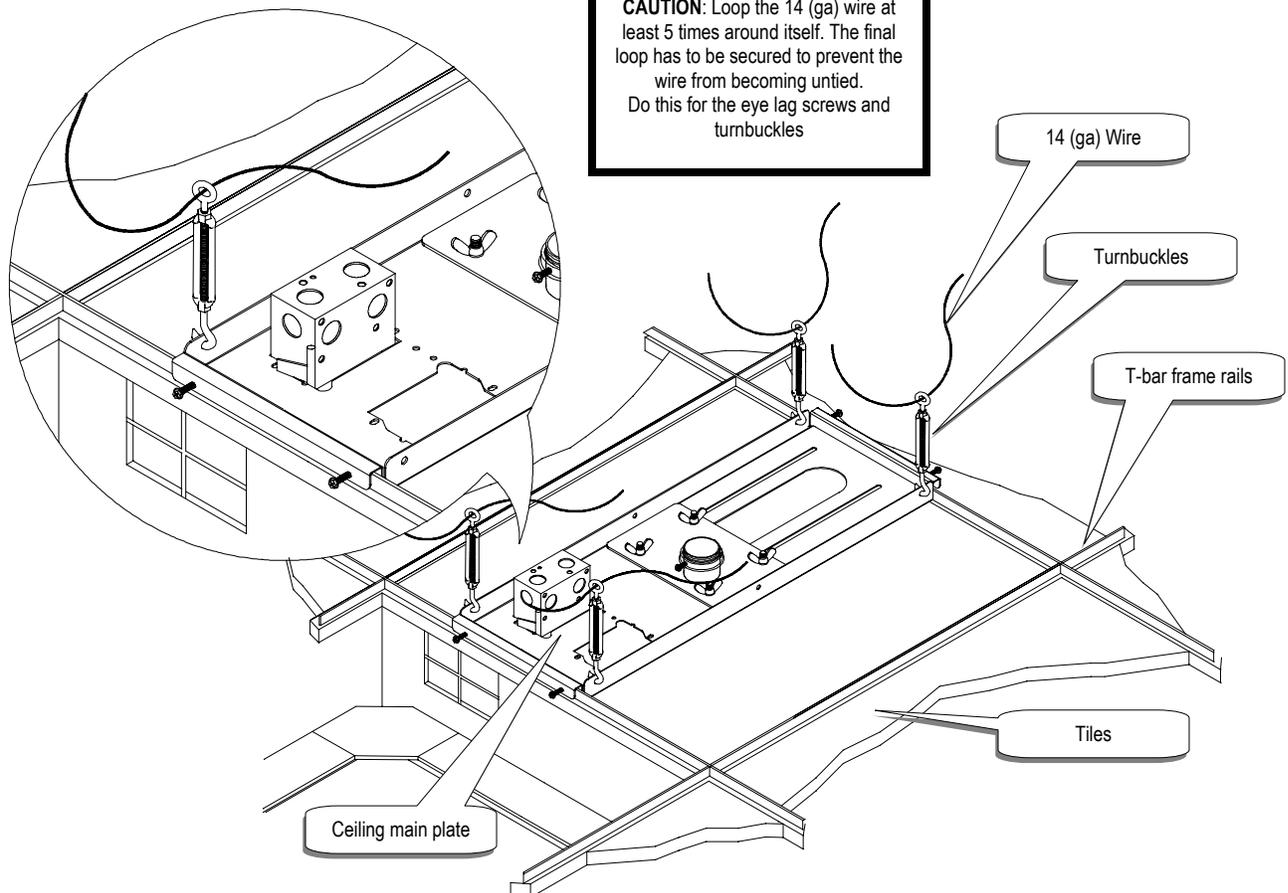14 (ga) Wire

Turnbuckles

T-bar frame rails

Tiles

Ceiling main plate

Thank you for choosing PREMIER MOUNTS INC. for your installation needs.
If you have any questions please contact PREMIER MOUNTS INC.
Information is shown on the front of this page.