INSTALLATION INSTRUCTIONS

IN-WALL ACCESSORY BOX

CHIEF
Our Mounts. **Your Vision.**

PAC516
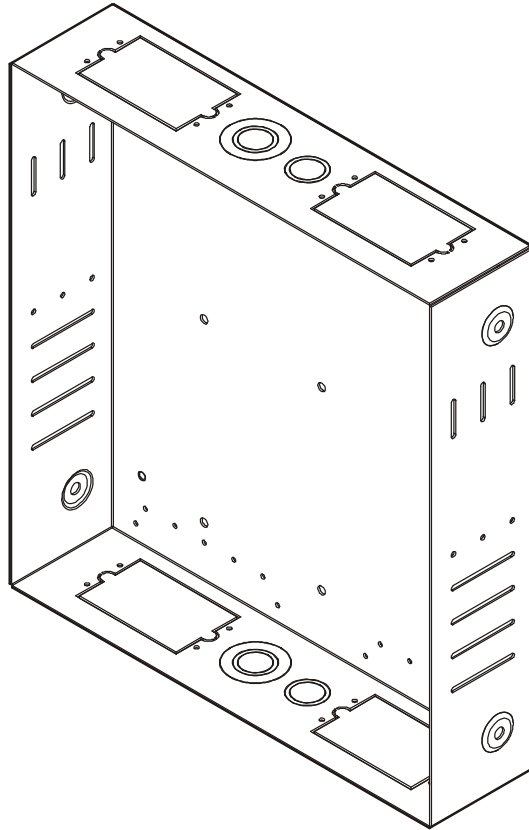
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⚠ IMPORTANT SAFETY INSTRUCTIONS

⚠ **WARNING:** A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

⚠ **CAUTION:** A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

⚠ **WARNING:** Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.

⚠ **CAUTION:** This equipment must be installed and assembled by qualified service personnel in accordance with local building codes.

⚠ **WARNING:** Failure to provide adequate structural strength for this accessory can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this accessory is attached can support the combined weight of the box and all equipment not to exceed 10 lbs (4.5 kg).

⚠ **WARNING:** Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

⚠ **WARNING:** Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.

⚠ **WARNING:** Do not use this product outdoors.

IMPORTANT ! : SUITABLE FOR USE IN OTHER ENVIRONMENTAL AIR SPACE IN ACCORDANCE WITH SECTION 300.22, (C) OF THE NATIONAL ELECTRICAL CODE.

NOTE: The equipment shall be installed and assembled by qualified service personnel.

NOTE: Knockouts are provided for ease of installation. Any unused knockouts that have been punched are to be closed up with a metal plug.
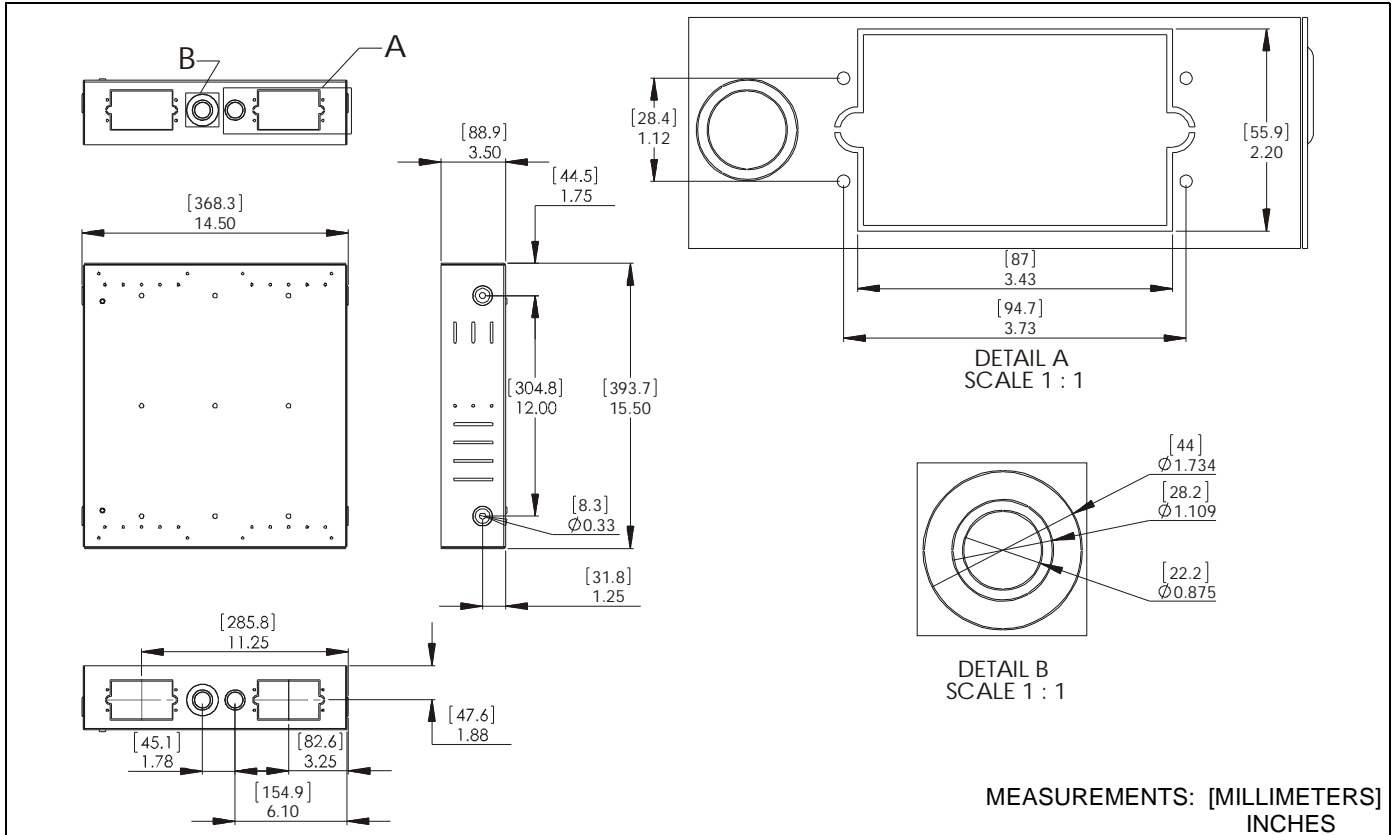
NOTE: The maximum specified ambient temperature of the cabinet system is 40° - 120^oF (4° - 49^oC).

NOTE: Spacings - Minimum spacings between the Accessories and components and the housing for Information Technology Communication Equipment shall be maintained for safe operation of the equipment when installed in accordance with the National Electric Code, ANSI/NFPA 70-1999. Refer to communication equipment manufacturer's specifications for minimum spacings.

NOTE: This In-Wall Cabinet System is for use with ITE or Audio/Video equipment only.
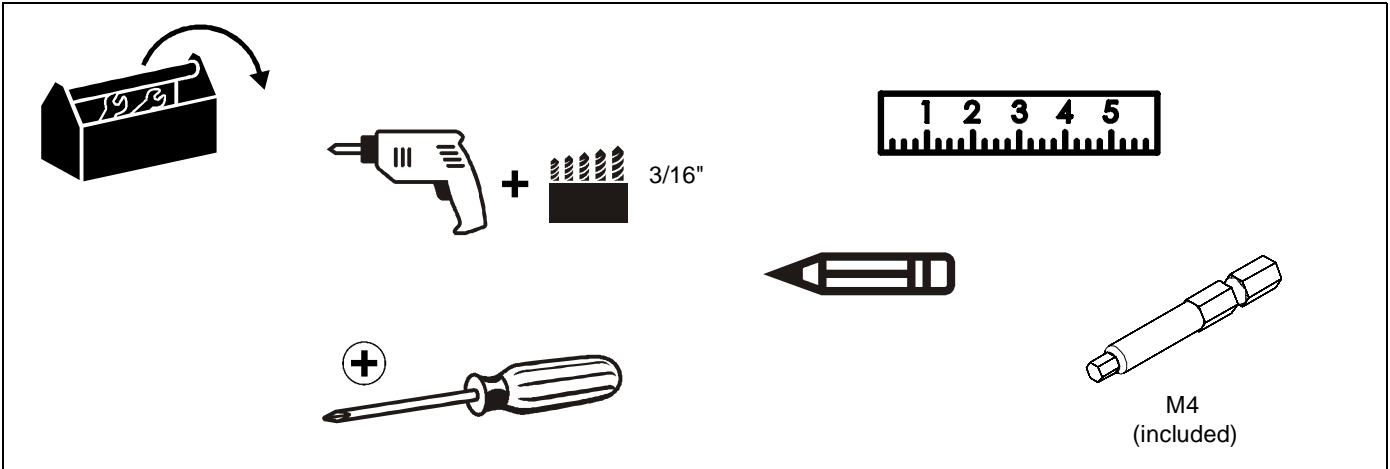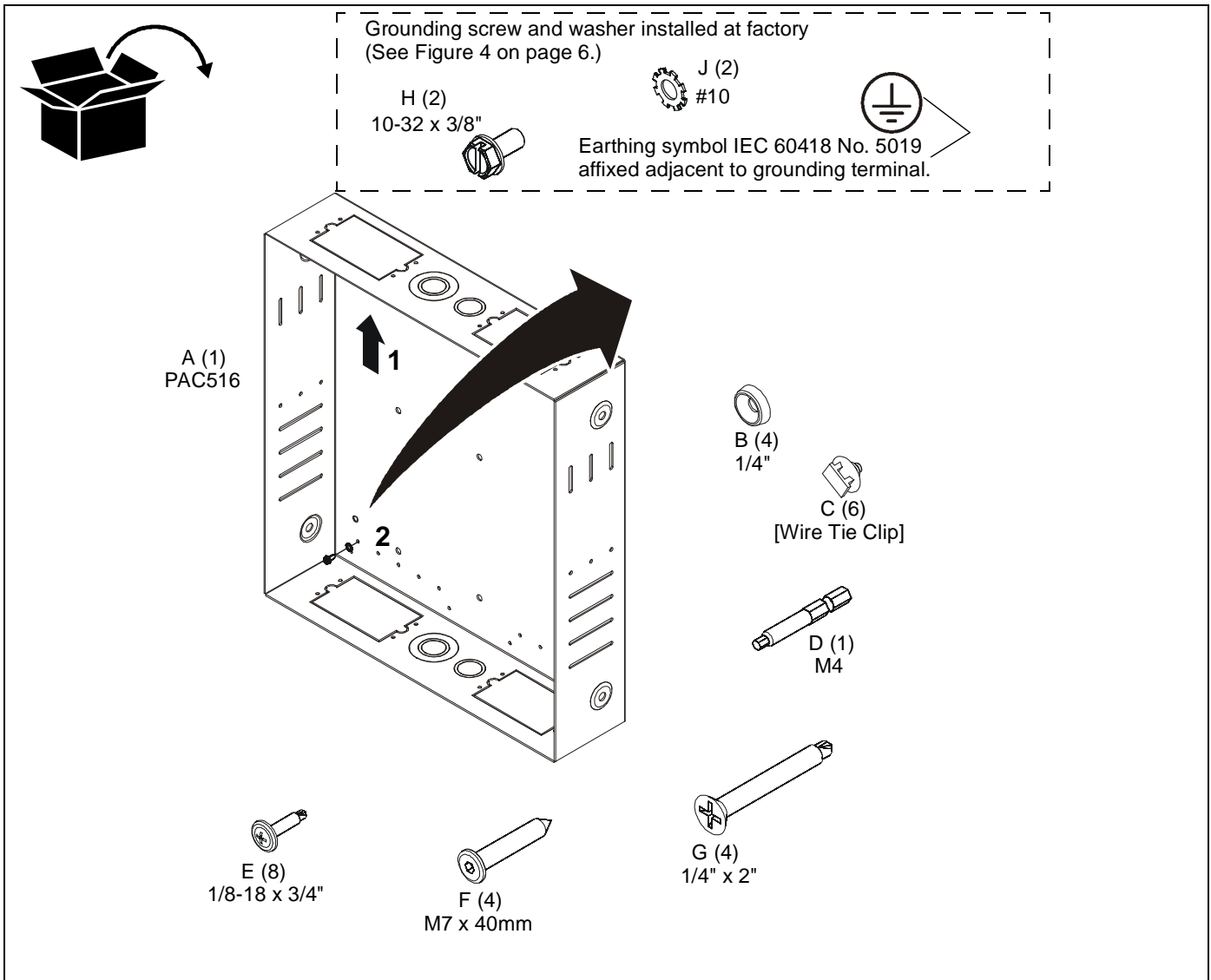
--SAVE THESE INSTRUCTIONS--

DIMENSIONS

[368.3] 14.50
[88.9] 3.50
[44.5] 1.75
[28.4] 1.12
[55.9] 2.20
[87] 3.43
[94.7] 3.73

DETAIL A
SCALE 1 : 1

[304.8] 12.00
[393.7] 15.50
[8.3] Ø0.33
[31.8] 1.25

[44] Ø1.734
[28.2] Ø1.109
[22.2] Ø0.875

DETAIL B
SCALE 1 : 1

[285.8] 11.25
[47.6] 1.88
[45.1] 1.78
[82.6] 3.25
[154.9] 6.10

MEASUREMENTS: [MILLIMETERS]
INCHES

LEGEND

	Tighten Fastener
	Apretar elemento de fijación
	Befestigungsteil festziehen
	Apertar fixador
	Serrare il fissaggio
	Bevestiging vastdraaien
	Serrez les fixations

	Pencil Mark
	Marcar con lápiz
	Stiftmarkierung
	Marcar com lápis
	Segno a matita
	Potloodmerkteken
	Marquage au crayon

	Loosen Fastener
	Aflojar elemento de fijación
	Befestigungsteil lösen
	Desapertar fixador
	Allentare il fissaggio
	Bevestiging losdraaien
	Desserrez les fixations

	Drill Hole
	Perforar
	Bohrloch
	Fazer furo
	Praticare un foro
	Gat boren
	Percez un trou

	Phillips Screwdriver
	Destornillador Phillips
	Kreuzschlitzschraubendreher
	Chave de fendas Phillips
	Cacciavite a stella
	Kruiskopschroevendraaier
	Tournevis à pointe cruciforme

	Hex-Head Wrench
	Llave de cabeza hexagonal
	Sechskantschlüssel
	Chave de cabeça sextavada
	Chiave esagonale
	Zeskantsleutel
	Clé à tête hexagonale

TOOLS REQUIRED FOR INSTALLATION

3/16"

M4
(included)

PARTS

Grounding screw and washer installed at factory
(See Figure 4 on page 6.)

J (2)
#10

H (2)
10-32 x 3/8"

Earthing symbol IEC 60418 No. 5019
affixed adjacent to grounding terminal.

A (1)
PAC516

1

2

B (4)
1/4"

C (6)
[Wire Tie Clip]

D (1)
M4

E (8)
1/8-18 x 3/4"

F (4)
M7 x 40mm

G (4)
1/4" x 2"

INSTALLATION

The PAC516 is intended for use in installations where the wall surface has not been finished and the structure (studs) is exposed. The PAC516 requires the wall be finished around the opening of the box after the box has been installed.

⚠️ **WARNING:** IMPROPER INSTALLATION CAN RESULT IN DEATH OR SERIOUS PERSONAL INJURY! This accessory should be installed by qualified personnel.

PAC-516 Site Preparation

Locate and Prepare Mounting Site

1. Identify a suitable wall location for the accessory.

IMPORTANT ! : The PAC516 is designed for in-wall installation between two wood or steel studs, 16" on center. Inadequate space will remain on each side between studs for electrical wires/cables, plumbing, ductwork, or insulation. Locate accordingly!

⚠️ **WARNING:** ELECTRICAL SHOCK HAZARD! CUTTING OR DRILLING INTO ELECTRICAL WIRES OR CABLES CAN CAUSE DEATH OR SERIOUS PERSONAL INJURY! ALWAYS make certain area behind mounting surfaces is free of electrical wires and cables before cutting, drilling, or installing fasteners.

⚠️ **WARNING:** EXPLOSION AND FIRE HAZARD! CUTTING OR DRILLING INTO GAS PLUMBING CAN CAUSE DEATH OR SERIOUS PERSONAL INJURY! ALWAYS make certain area behind mounting surfaces is free of gas, water, waste, or any other plumbing before cutting, drilling, or installing fasteners.

2. Using a stud sensor, locate and mark studs.

3. Center and level housing between marked studs.

4. Using housing as a template, draw pencil line completely around housing.

NOTE: Housing is designed to fit between and directly against two adjacent wall studs.

5. Using a measuring tool, measure the marked area and compare to the dimensions below. If measurements match, continue to Step 6. If not, adjust markings to match dimensions below. (See Figure 1)

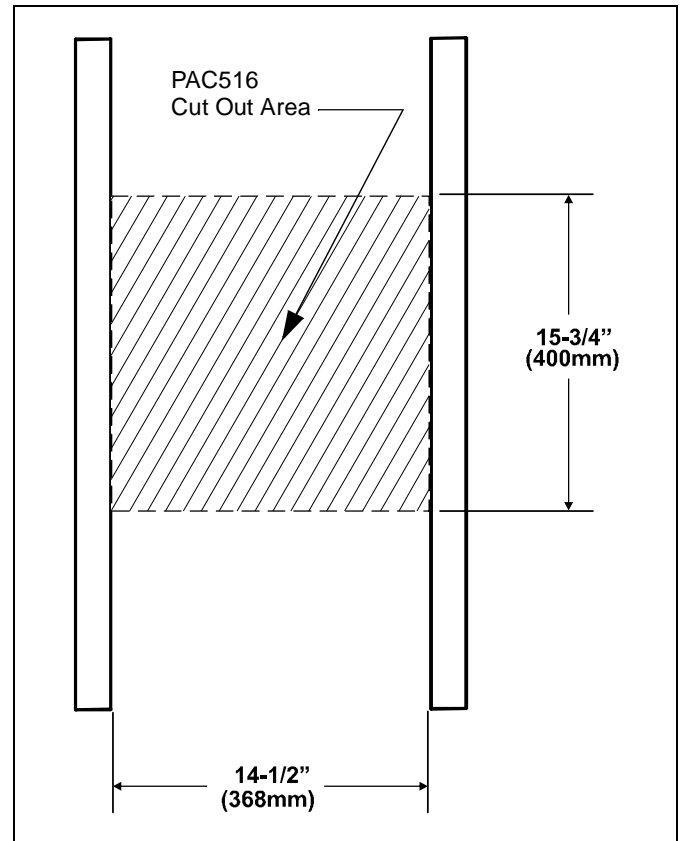6. Cut drywall on *outside* edge of line and remove.

PAC516
Cut Out Area

15-3/4"
(400mm)

14-1/2"
(368mm)

Figure 1

Accessory Box Installation

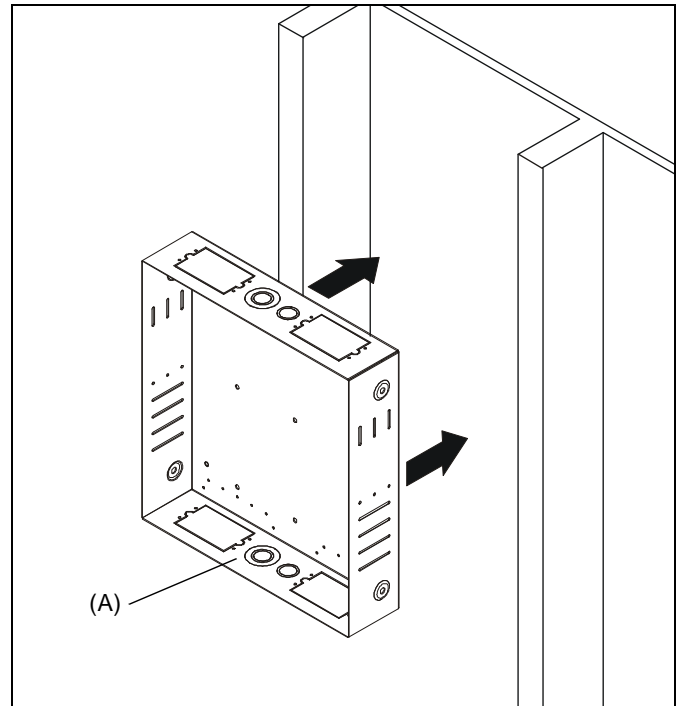1. Insert PAC516 (A) into opening. (See Figure 2)

(A)

Figure 2

5

⚠ **WARNING:** ELECTRICAL SHOCK HAZARD! CUTTING OR DRILLING INTO ELECTRICAL WIRES OR CABLES CAN CAUSE DEATH OR SERIOUS PERSONAL INJURY! ALWAYS make certain area behind mounting surfaces is free of electrical wires and cables before cutting, drilling, or installing fasteners.

2. Secure accessory box to studs by:

   WOOD STUD:

   1. Drill four 3/16" dia. pilot holes in studs at mounting holes. (See Figure 3)

   2. Install four M7 x 40mm Allen head connector screws (F) into pilot holes using an M4 Allen head drill bit (D). (See Figure 3)

   STEEL STUD:

   1. Drill four 3/16" dia. pilot holes in studs at mounting holes. (See Figure 3)

   2. Install four 1/4" countersunk finishing washers (B) and four 1/4" x 2" Phillips flat head self drilling screws (G) into pilot holes. (See Figure 3)
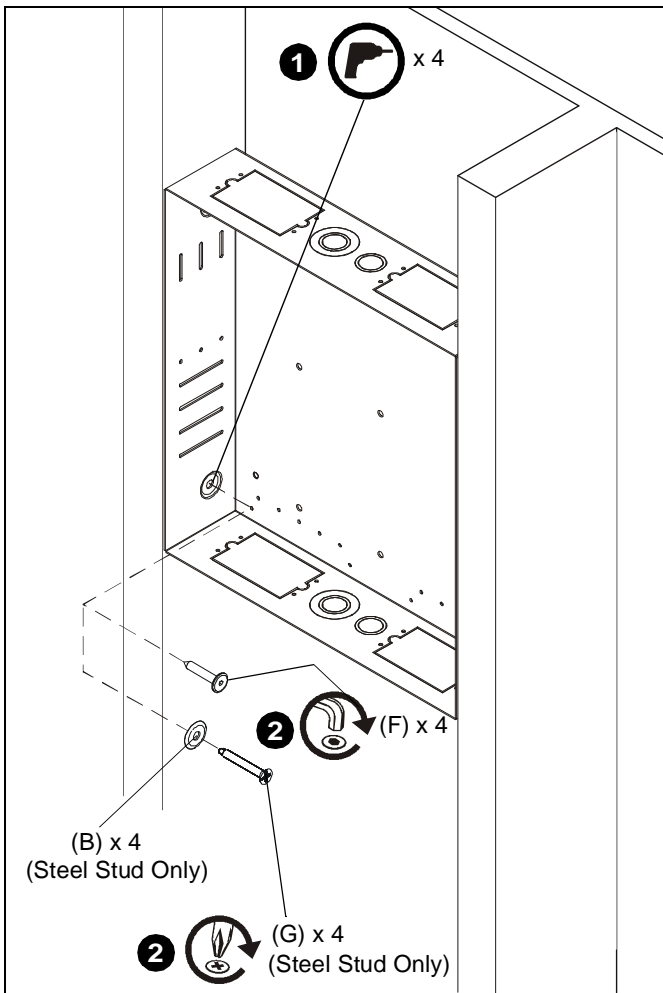

Figure 3

⚠ **DANGER:** IMPROPER WIRING CAN LEAD TO DEATH OR SEVERE PERSONAL INJURY! Grounding must be installed by qualified personnel using a UL Recognized No. 12AWG Green and Yellow grounding wire connected to grounding lug on mount.
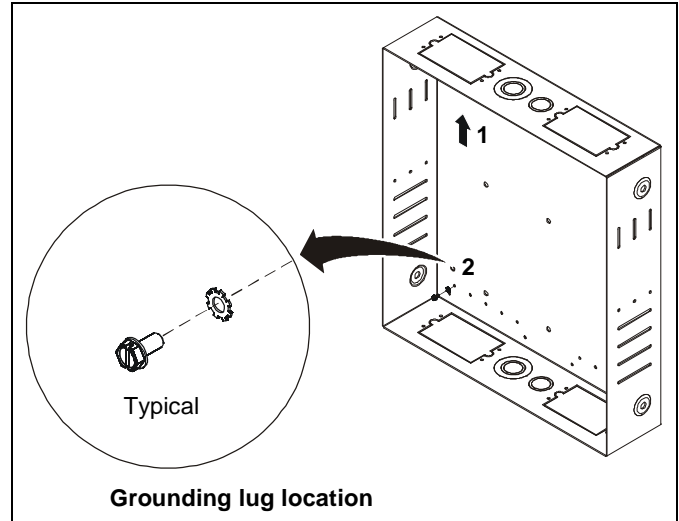

Grounding lug location

Figure 4

Installing Accessories

Accessories can be mounted directly to the PAC516 by using the mounting screws provided and the mounting holes integrated into the box.

To mount an accessory:

1. Identify area within accessory box where accessory is to be mounted.

2. Align the mounting holes in accessory with mounting holes in box.

3. Secure accessory to box using Phillips screwdriver and as many 1/8-18 x 3/4" mounting screws (E) as required. (See Figure 5)

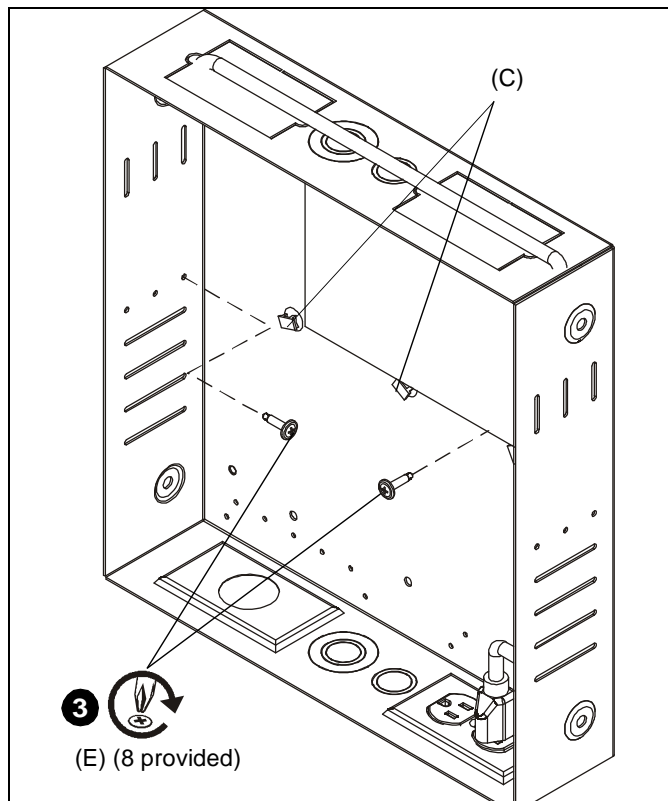4. Use the wire tie clips (C), as necessary, for cable management. (See Figure 5)

(C)

❸ (E) (8 provided)

Figure 5

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