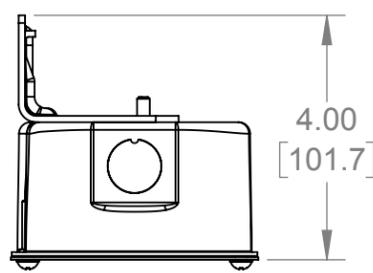
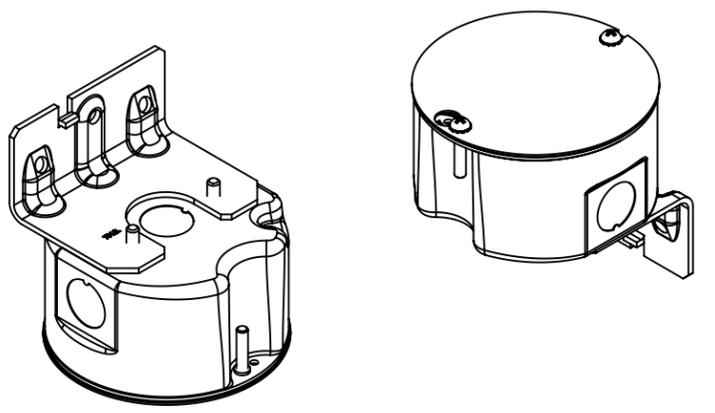
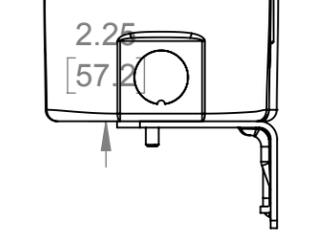


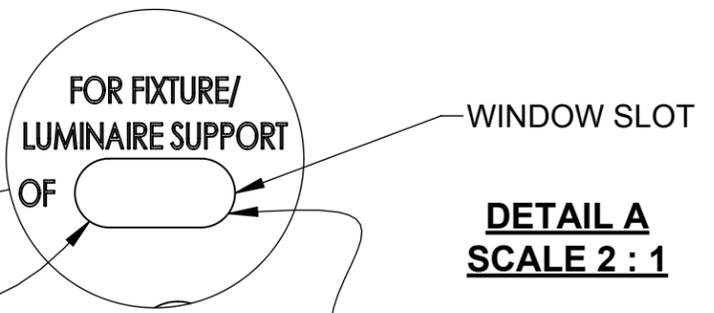
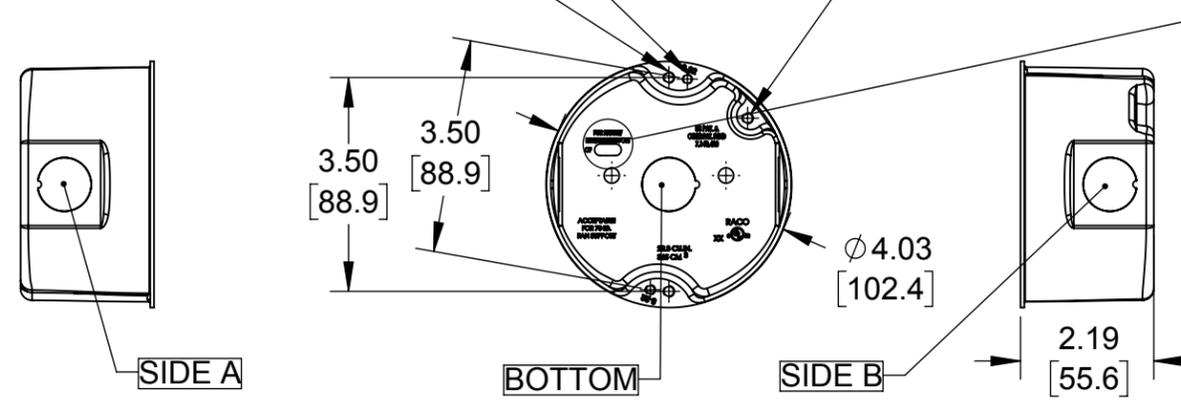
NEW WORK HEIGHT



OLD WORK HEIGHT



- 2-#8-32 TAPPED HOLE
- 2-#10-32 TAPPED HOLES
- #10-32 TAPPED HOLE (GROUNDING)



- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS]
 2. BOX VOLUME: 22.3IN³ [365 CM³]
 3. FAN SUPPORT-OLD & NEW WORK OF 70LBS [31.75KG]; FIXTURE SUPPORT-OLD WORK 70LBS[31.75KG] / NEW WORK 150LBS[68.03KG]
 4. cULus® LISTED

LIST OF PARTS

DESCRIPTION	MATERIAL	FINISH
CEILING BOX	STEEL	GALVANIZED
INSTRUCTION SHEET	PAPER	N/A
HARDWARE PACK	SEE BELOW	SEE BELOW
SET-BACK TAB	STEEL	GALVANIZED
FLAT COVER	STEEL	GALVANIZED
FAN BOX SCREW	STEEL	ZINC
MOUNTING BRACKET	STEEL	GALVANIZED

HARDWARE PACK

BRACKET TO JOIST SCREW	STEEL	ZINC
MOUNTING BRACKET TO BOX SCREW	STEEL	ZINC
GROUND SCREW	STEEL	ZINC/GREEN
NON-METALLIC CONNECTOR	POLYCARBONATE	BLACK

KNOCKOUTS

TRADE SIZE	LOCATION	QTY.
1/2" KO	SIDE A	1
1/2" KO	SIDE B	1
1/2" KO	BOTTOM	1

INITIAL RELEASE	N.S.	10/29/2015
SYM.	REVISION DESCRIPTION	APP DATE

THE DESIGN AND DIMENSIONS OF THE PRODUCT SHOWN ON THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT NOTICE

TITLE:
4" ROUND CEILING BOX 2-1/8" DEEP

<p>TOLERANCE UNLESS OTHERWISE SPECIFIED</p> <p>.XX DECIMAL ±.015 .XXX DECIMAL ±.005 ANGLE ±2°</p>			<p>RACO South Bend, Indiana</p>		<p>SCALE: 1:3</p>
DRAWN BY:	J.R.	DATE:	10/29/2015		
APP. BY:	N.S.				

INSTALLATION INSTRUCTIONS FOR RACO® Cat. #'s 294, 294-1, 294X and 294XL

2-1/8" Deep ceiling box, 22.3 Cubic Inch Capacity

New Work Maximum Support: Fan – 70 lbs., Fixture – 150 lbs.

Old Work Maximum Support: Fan – 70 lbs., Fixture – 70 lbs.

U.S. Patent 7,148,420 & other Patent Pending

For use with new and old construction applications.

Mounts on side of joists.

Includes mounting holes for fan or fixture.

Use disposable steel protection cover for mudding / painting operation.

Cover will protect wiring while router is used to cut drywall.

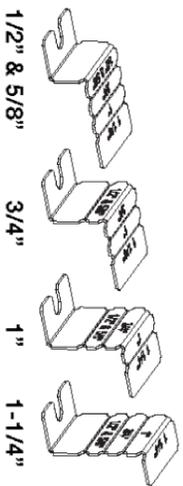
NM connector slides up cable and snaps into knockout from inside box - perfect for old work. Maximum NM cable is 10-3 with ground.

Use ONLY RACO® supplied screws to mount fan.

Included:

Steel Box; Disposable Steel Protection Cover, Mounting Bracket, 2 x #12-24 (Grade 5) mounting bracket screws, 2 x #10-32 (Grade 5) Fan mounting screws, 3 x wood screws, 1 x ground screw, 1 x nonmetallic cable connector, and 1 x set-back tab.

Installation Instructions: New Construction



- Bend set-back tab for drywall thickness as shown.
- Assemble Mounting Bracket to box using #12-24 screws (provided) through bottom of box.

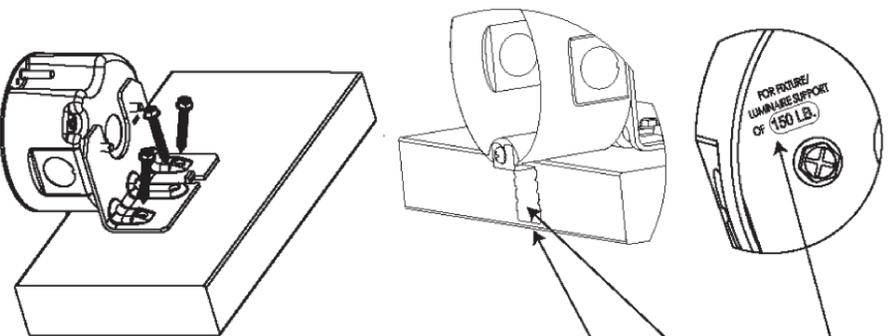
- Make sure load rating of 150 LB. is viewable through window slot in bottom of box.
- Assemble Locator Bracket to box by attaching under ear screw.

Caution: **Disconnect power supply.**

- Remove desired knock out in bottom or side of box.
- Position box to required set-back by using formed set-back tab. Make sure set-back tab is held firmly to joist.
- Mount bracket to joist using 3 wood screws provided. Screws should be fully embedded but not over tightened.
- Remove set-back tab and discard.
- Insert nonmetallic sheathed cable through knockout. Slide NM connector up cable and snap connector into knockout.
- Use ground screw (provided) and connect ground wire.
- Fasten Steel Protection Cover in place to protect wiring.

Mounting Fan or Fixture

- Remove and discard steel protector cover.
- For mounting fan or fixture over 50 lbs. use 10-32 screws (provided).
- For fixture weighing less than 50 lbs. use 8-32 screws (provided with fixture).
- Wire according to local code requirements.

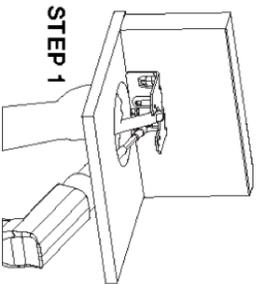


**OLD WORK INSTALLATION INSTRUCTIONS FOR RACO® Cat. #'s 294, 294-1, 294X and 294XL
SUITABLE FOR 70 LBS. FAN AND 70 LBS. FIXTURE IN OLD WORK**

MOUNTING CONFIGURATIONS

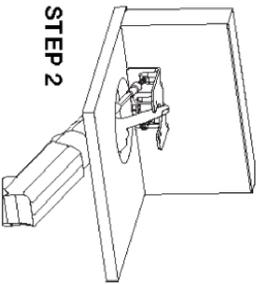
2-1/8" DEEP CEILING BOX 22.3 CUBIC INCH CAPACITY

U.S. PATENT 7,148,420 and other Patent Pending



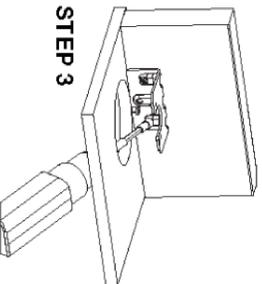
STEP 1

- **Caution: Disconnect power supply and remove existing box.**
- Remove Mounting Bracket from box.
- Position Mounting Bracket as shown in Step 1 against joist and drywall as shown. Position bracket so center of bracket is along center line of opening and hold down to pre-drill starting holes. Next start wood screw provided in hardware pack. Do not drive all the way in.



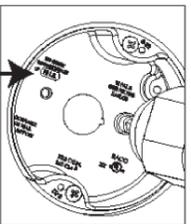
STEP 2

- While still holding down Mounting Bracket, drive second wood screw until tight as shown in Step 2.
- Drive first wood screw tight as shown in Step 3. Screws should be fully embedded but not over tightened.



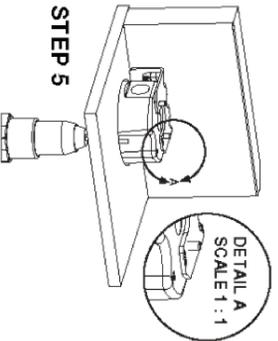
STEP 3

- Remove desired knockout and insert nonmetallic sheathed cable (maximum NM cable 10-3 with ground) through knockout. Mount box to bracket using two #12-24 screws (provided). Make sure load rating of 70 LB. is viewable through window slot as shown in STEP 4. Slide NM connector onto cable and snap connector into KO.



RATING WINDOW
STEP 4

- Tighten box mounting screws as shown in Step 5.
- Use ground screw provided and connect to ground wire.
- Use 10-32 screws provided for fans and fixtures weighing over 50 lbs.
- Use 8-32 screws (usually provided with fixture) for fixtures weighing less than 50 lbs.



STEP 5

- Discard Disposable Steel Protection Cover and Locator Bracket.
- Wire according to local codes requirements.