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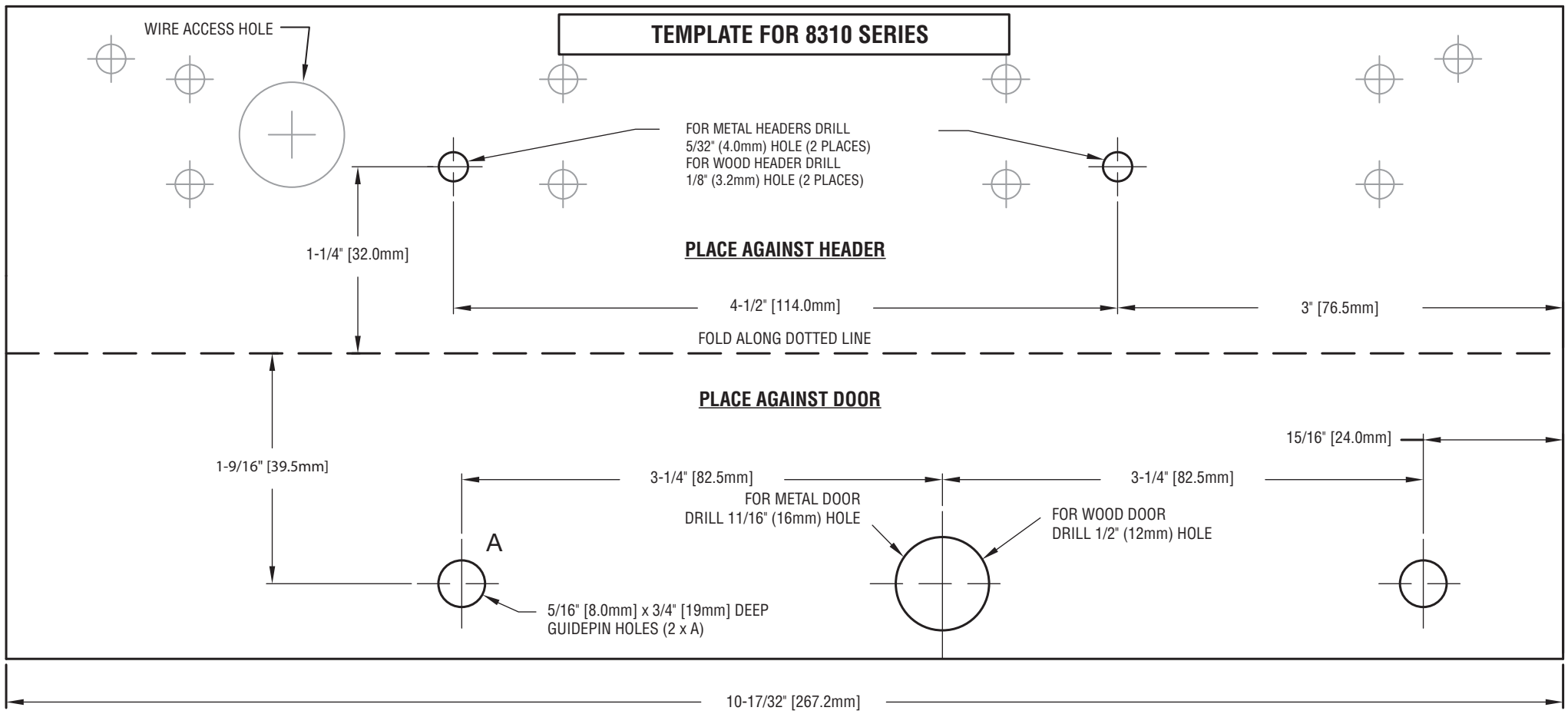

MOUNTING INSTRUCTIONS FOR 8310 SERIES

Installation of this product should be done by an experienced installer with knowledge of this product.

Step 1a) **Read Pre-Installation Instructions.**

Step 1b) **Prepare Door & Frame**
Fold template on dotted line above.
Place against closed door and header with allowance for Allen key clearance from the edge.
Drill the 3 holes in the door and 2 holes in the header as indicated.
NOTE: Different hole sizes required for the different materials.
Do not use as a doorstop. This will void warranty.

Step 1c) **Mount Armature Plate**
Position bolt with rubber head through the armature plate.
Add 3 washers (steel - rubber - steel) onto bolt.
Carefully apply thread locking compound to exposed thread.
While aligning pins secure armature plate to door by threading into sexnut.
NOTE: Do not over tighten armature plate. It must remain moveable to allow surface alignment with Electromagnetic Lock face.

Step 1d) **Mount Electromagnetic Lock**
Remove anti-tamper and cavity screw from front of lock.
Remove electromagnetic lock from mounting bracket by loosening captive screws and sliding off keyholes.
Attach bracket to header with the 2 roundhead screws provided through the slots.
NOTE**:** Do not over tighten these screws as the bracket may need adjustment.
Slide electromagnetic lock onto mounting bracket keyholes.
Engage 1 captive screw at each end through bottom to fix lock position on bracket.
Adjust alignment to ensure full contact of magnet with armature plate.
Carefully remove electromagnetic lock without shifting mounting bracket.
Secure mounting bracket in position with the 11 TEK™ screws.
Drill ¾" (19mm) wire access hole using mounting bracket as a guide. Tip the electromagnetic lock to expose the 4 captive mounting screws. Carefully apply thread locking compound to exposed threads.
Slide the electromagnetic lock onto mounting bracket keyholes.
Secure with 4 captive mounting screws.

When properly installed, the ends of the armature plate allow a slight movement but the plate will feel secure when grasped at the bolt. There should be no movement to the mounting bracket or housing of the electromagnetic lock.

NOTE: UL AND ULC LISTED ELECTROMAGNETIC LOCKING DEVICES MUST BE USED WITH UL OR ULC APPROVED POWER SUPPLIES. (RCI OFFERS A FULL LINE OF POWER SUPPLIES) RCI'S 8310 ELECTROMAGNETIC LOCKING DEVICES ARE cULus LISTED (ISSUE 632C) AND MEET NEW YORK CITY MEA AND CALIFORNIA STATE FIRE MARSHALL SPECIFICATIONS.

WARNING: Improper installation, maintenance, inspection or usage of the product or any related accessories or parts may cause the electromagnetic lock, armature plate and associated hardware to disengage and fall, causing serious bodily injury and property damage. Rutherford Controls Int'l Corp. will not be liable to the installer, purchaser, end user or anyone else for damage or injury to person or property due to improper installation, care, storage, handling, maintenance, inspection, abuse, misuse or act of God or nature involving this product or any related accessories or parts.

T83158

DO NOT SCALE
For dimensional purposes only

RCI® RUTHERFORD CONTROLS

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