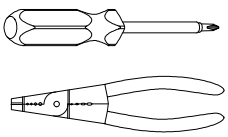
CAL-ROYAL PRODUCTS, INC. USA

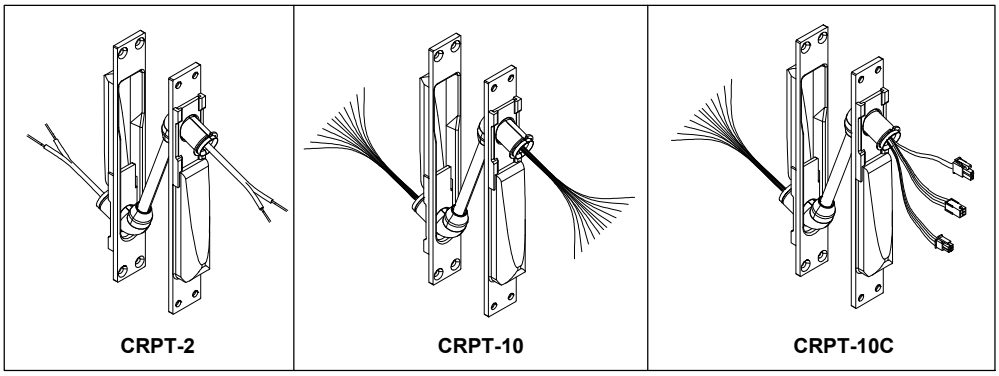
Installation Instructions

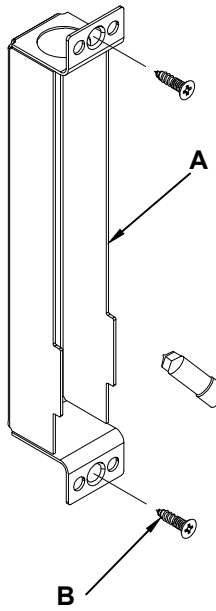
CRPT-2, CRPT-10, & CRPT-10C Electric Power Trasnfer

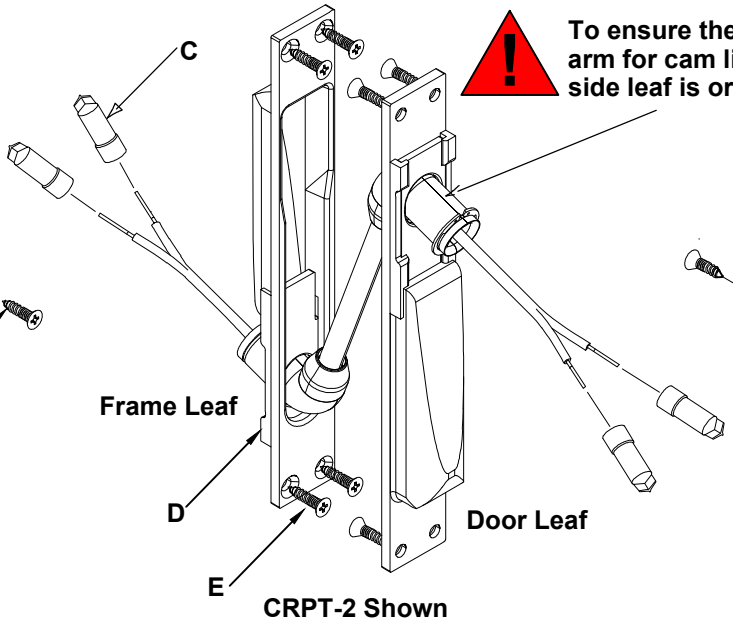
Tools for Install



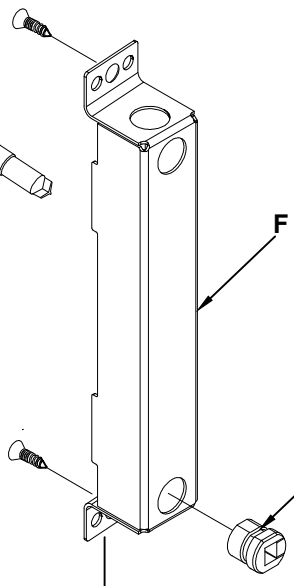
Read all Warnings Before Starting Installation!

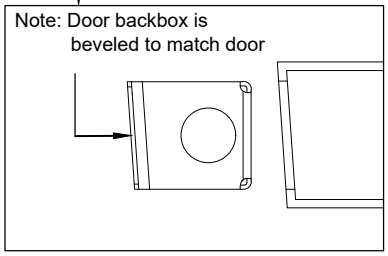






To ensure the maximum amount of travel in arm for cam lift hinges, install CRPT so door side leaf is oriented with knuckle on top.





A. Frame Backbox

B. Metal - #10 x 24 -3/8" Flat Phillips Head Undercut counter sunk (4)
Wood - #10 x 3/4" Flat Phillips Head Wood Screw (4)

C. CRPT-2 - Wire Connector 12 Gauge Yellow (4)
CRPT-10 - Wire Connector 18 Gauge Violet (20)
CRPT-10C - Wire Connector 18 Gauge Violet (20)

D. CRPT Assembly

E. Metal - #10-24 x 3/4" x Flat Phillips Head Machine Screw(8)
Wood - #10 x 3/4" Flat Phillips Head Wood Screw (8)

F. Door Backbox

G. Strain Relief

General Information

The Cal-Royal Power Transfer (CRPT)

The Cal-Royal Power Transfer (CRPT)provides a wiring path from the door to the frame.

These instructions assume that a factory-prepped door and frame are being used. If the door and frame have not been factory-prepped, see the included dimensioned template.

Before beginning the installation, review “Specifications” and “Warnings”.

Specifications

Applications

CRPT can be used for:

- Door Thickness - 1-3/4” minimum
  Note: The following specifications apply to a 1-3/4” thick door.
- 0 - 180° opening with up to 5” butt hinges
- 0 - 180° opening with up to 3/4” offset pivots
- 0 - 130° opening with 5-1/2” butt hinges
- 0 - 110° opening with 6” butt hinges

CRPT cannot be used for:

- 1-1/2” offset pivots
- larger than 6” butt hinges
- pocket pivots
- swing clear hinges
- center hung door (center pivot)
- balanced door

Electrical Ratings

CRPT-2

- Two 18AWG wires
- Max. Rating: 24VDC, 5A or 120VAC NEC Class 3

CRPT-10 & CRPT-10C

- Ten 24AWG wires
- Max Rating: 24VDC, 1A

Read all Warnings Before Starting Installation!

CAUTION Do not exceed rated specifications (shown above).

CAUTION CRPT must be installed in accordance with these instructions by a qualified electrician.

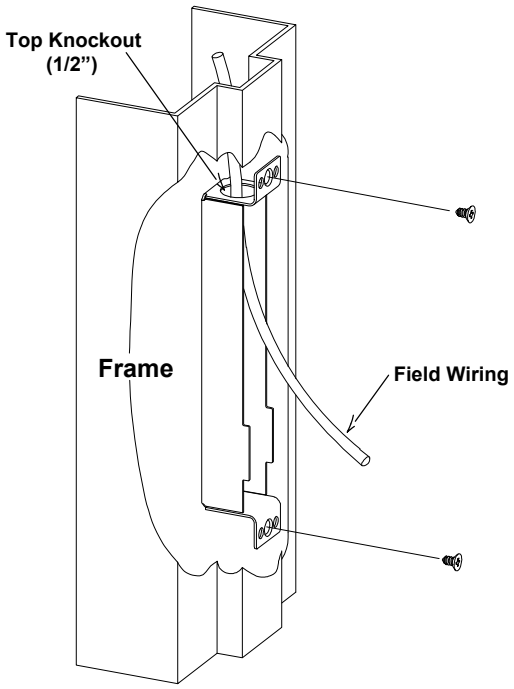
CAUTION Wiring must be in accordance with all local codes and regulations.

Installation

1 Use Template from Back Page to Verify Preparation

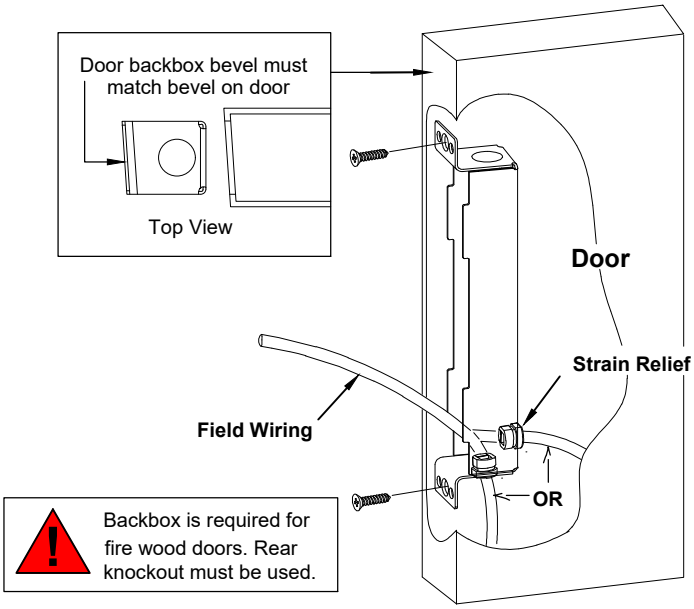
2 Mount Frame Backbox

A. Remove knockout from top
B. Install 1/2” conduit, if used
C. Pull 5” of field wiring through knockout

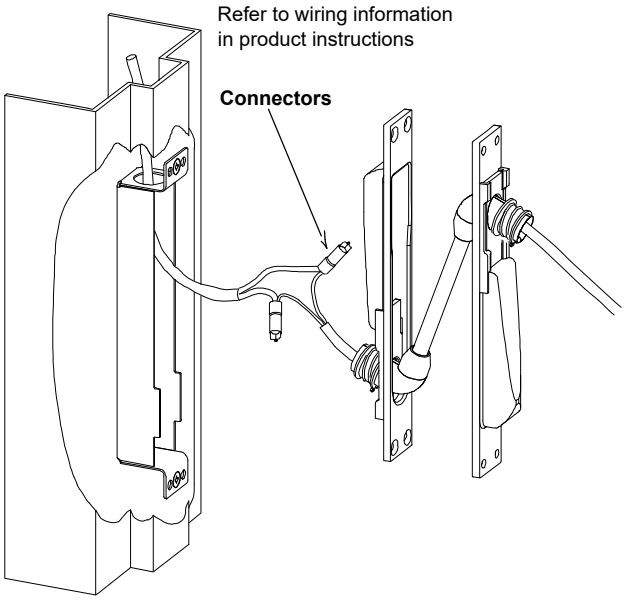


3 Mount Door Backbox

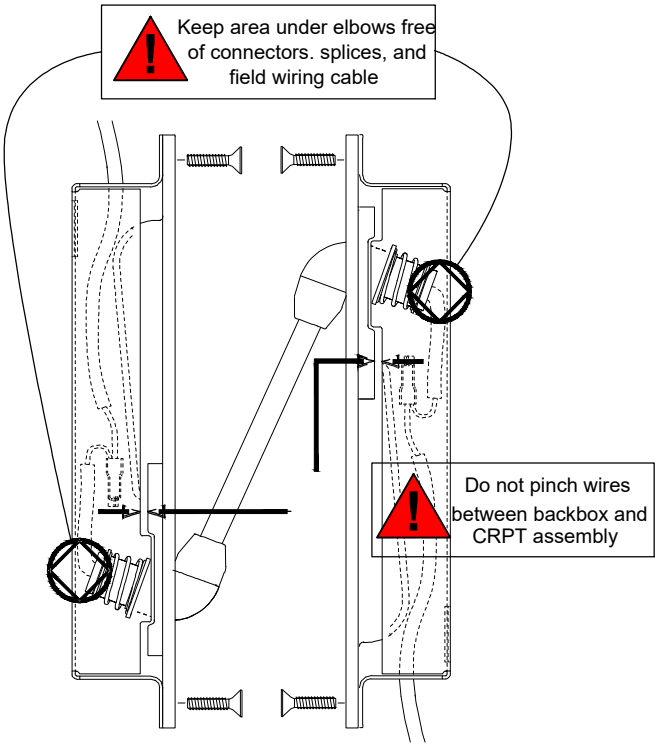
A. Ensure backbox bevel matches door bevel
B. Remove knockout: - from bottom for metal doors
- from back for wood doors
C. Pull 5” of field wiring through knockout
D. Install strain relief



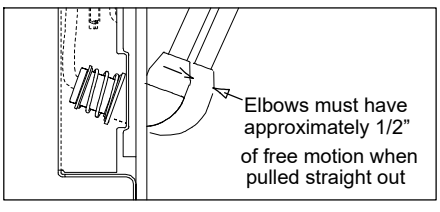
4 Connect Wires



5 Mount EPT Assembly

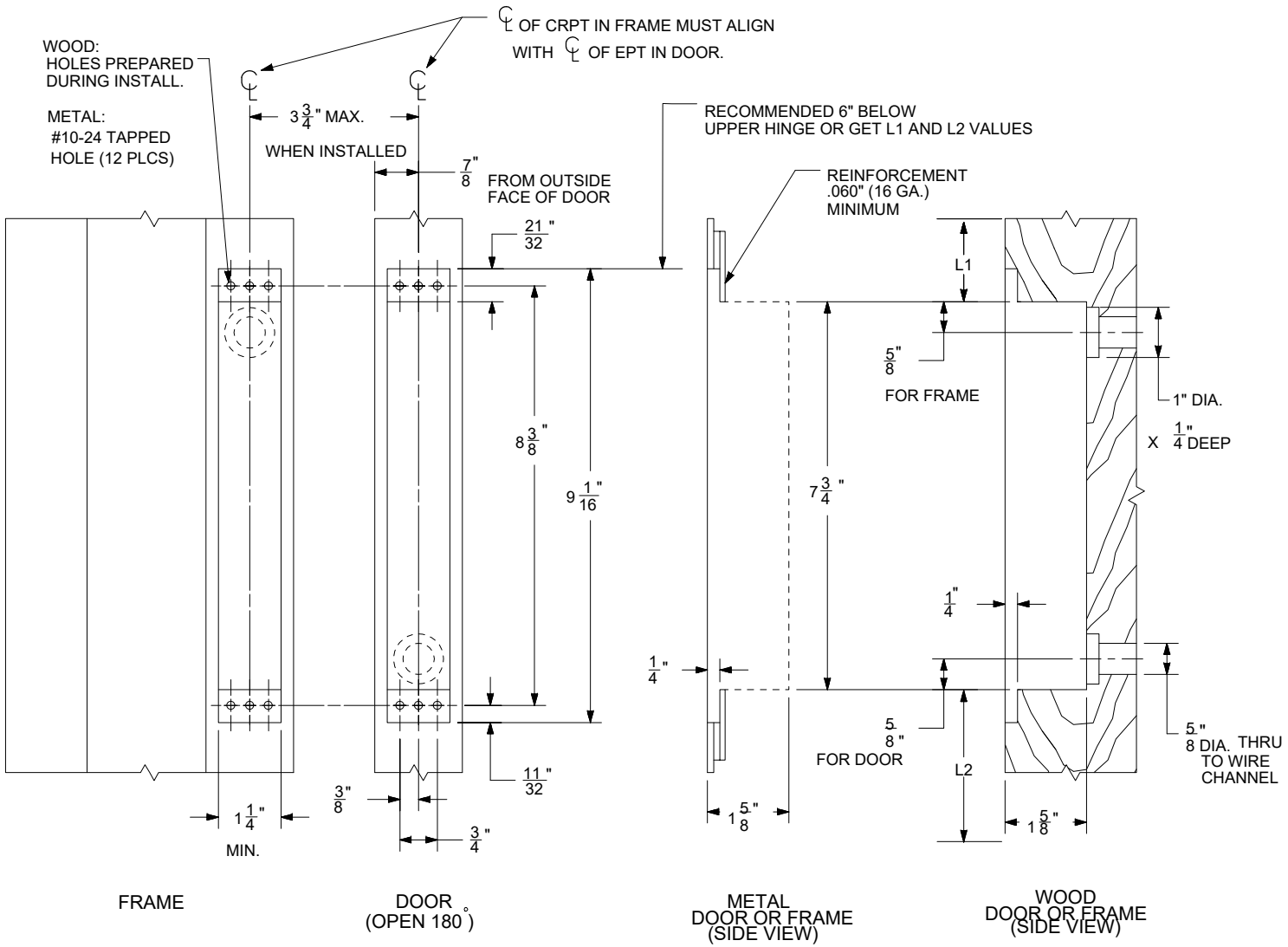


Verify that door opens and closes properly without binding and that electrical components function



Template

Note: This drawing is not to scale



LOCATION OF TOP HINGE FROM TOP DOOR

	DOOR SIZE		
	6'8"	7'0"	8'0"
MANUFACTURER	A		
AMWELD	7 3/8"	7 3/8"	7 3/8"
CECO	6 5/8"	6 5/8"	6 5/8"
CURRIES	4 7/8"	4 7/8"	4 7/8"
DKS	7 3/8"	7 3/8"	7 3/8"
FENESTRA	5 1/8"	5 1/8"	5 1/8"
KEWANEE	7 1/4"	7 1/4"	7 1/4"
MESKER	4 7/8"	4 7/8"	4 7/8"
PIONEER	4 7/8"	4 7/8"	4 7/8"
REPUBLIC	7 3/8"	9 3/8"	4 7/8"
STEELCRAFT	7 3/8"	7 3/8"	7 3/8"

L1 = A + H + 6 21/32"

L2 = D - L1 + 7¾"

A = REFER TO TABLE
D = DOOR HEIGHT
H = HINGE HEIGHT

L1 = LOCATION FROM TOP OF DOOR
L2 = LOCATION FROM BOTTOM OF DOOR

*ALL DIMENSIONS ARE TYPICAL