INSTALLATION GUIDE

FrameFrog 4 Short - 5" Opening

Model : FRG4S

FRAME FROG

Steel weld clips provided for welding to door frames

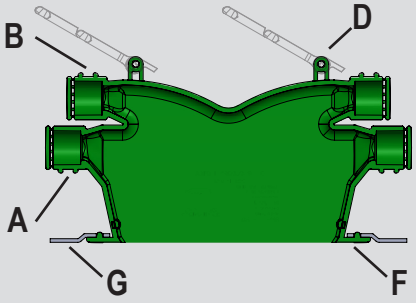
TADPOLE PRODUCTS, LLC
FRAME FROG
LISTED FRAME HARDWARE
FIRE RATING ≤ 180 MIN
CONFORMS TO:
UL 10B, UL 10C,
NFPA 252 AND
CAN/ULC S104
QAI COMPONENT
QAI FILE F466

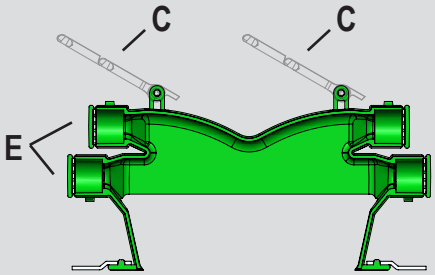
Get your Instructions Online.

SCAN ME

FrameFrog Parts Diagram

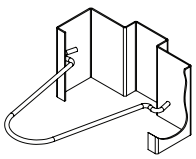
A – Port A
B – Port B
C – Wing Tabs (optional)
D – Hinge
E – Port Caps
F – Fin (use with mounting tab)
G – Weld Clips



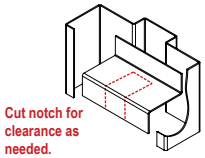


Preparing Door Frame

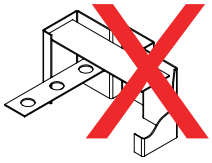
1. Provide FrameFrog where electric door hardware devices are to be installed or are planned in the future. Model FRG4S can be used for all devices that require an opening up to 5" long. Use FRG4L for larger devices such as electric power transfers (EPT).
2. Omit mortar boxes from door frame supplier where ever FrameFrog is to be installed. FrameFrog replaces the mortar box.
3. Hollow metal door frame supplier should supply wire frame type anchors for masonry frames and flush Z type anchors (notched) for drywall frames in order to provide clearance for conduits. T anchors and other shapes will conflict with the installation of conduit that is housed within the frame.



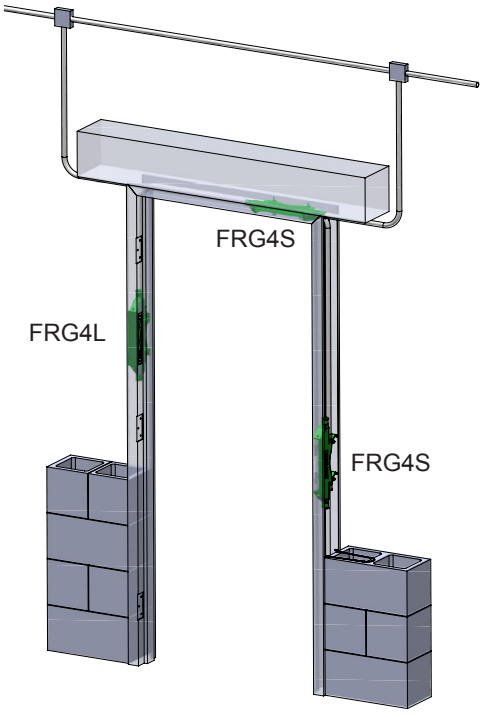
Wire Anchor



Flush Z

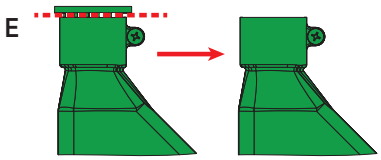


Loose T-Strap (Masonry)

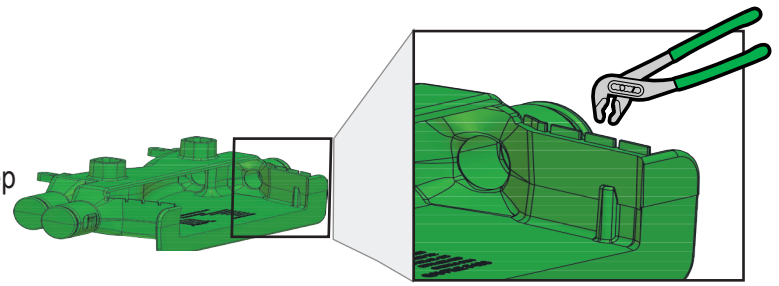


FrameFrog Preparation

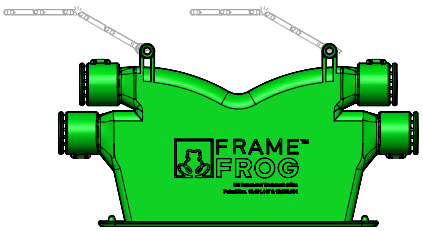
1. Remove port caps (E) where conduit is to be connected. Use pliers or flathead screwdriver to pry cap off of port. Leave all other caps in place for connection by others in the field, and to prevent mortar from entering FrameFrog. Tape or seal caps if needed to prevent high slump mortar from entering FrameFrog.



2. Optional Prep: Remove back side “Teeth” with pliers for clearance where required for thicker hardware prep (for example, hinge preps).

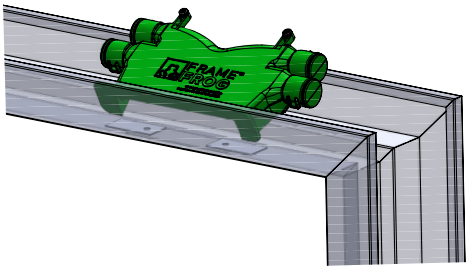


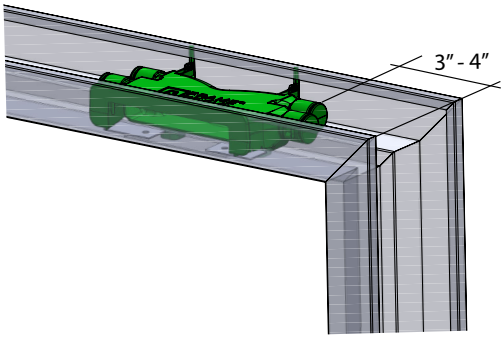
3. Optional Prep: If using optional Wing Tab (C) for field installation, remove excess portion for corresponding depth of frame and discard.



FrameFrog Installation

1. Insert FrameFrog by placing the tab under the back hem of the frame and rotating down into the frame to cover the door hardware prep.
2. Once FrameFrog is in the door frame, slide into position where opening is centered on the hole in the door frame.
3. For units at the head of the frame, verify that Rear Port is set back approximately 3”- 4” from the outside corner of the frame.
4. When located properly, a standard sweep conduit will drop down into the side of the frame and avoid conflict with future construction.

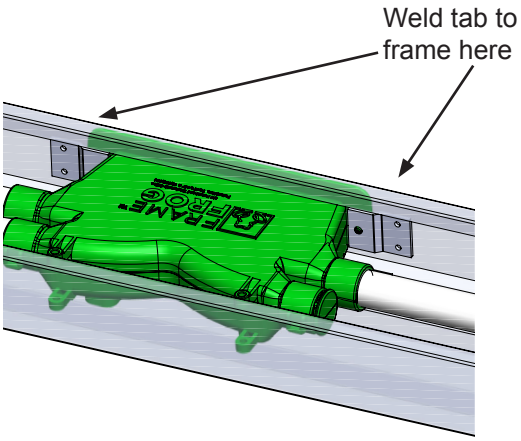




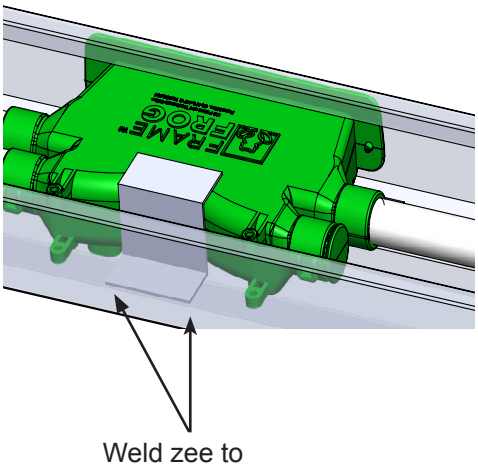
Connecting To The Frame

SHOP CONNECTION

1. OPTION 1: Use included weld clips. Place weld clip over fin at each end of FrameFrog and insert button through hole in the tab. Clamp tab to inside of frame and tack weld in place.

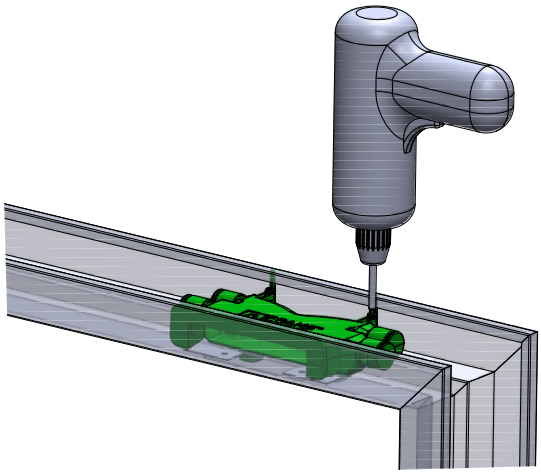


2. OPTION 2: FrameFrog can be welded to the frame with your own steel brake formed zee clip. (Zee clips not provided).



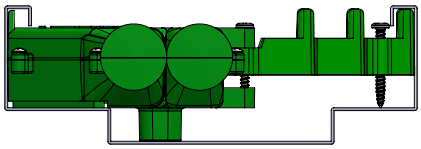
FIELD CONNECTION

1. Assemble wing tabs and hinge screws (sold separately) to hinges located on FrameFrog.

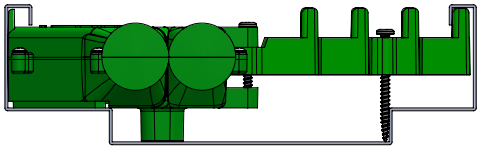


2. For door frames wider than 6 3/4", the wing tab contains a pilot hole for additional support by inserting a #6 screw as show. (Support screws are not provided). For 7 3/4" frames, use 1 1/2" screw; for all others, use 2" long screws.

7 3/4" Wide Frame



Frames Wider Than 7 3/4"



3. Caution: DO NOT over tighten screws and tear plastic pilot hole of the wing tab. Use low speed, and stop once FrameFrog is tight.

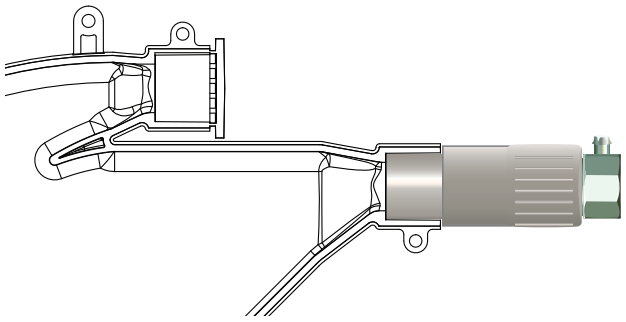
Connecting Electrical Metal Tubing (EMT)

Short 1/2" PVC Conduit

Threaded 1/2" PVC Connector

Threaded 1/2" EMT Connector

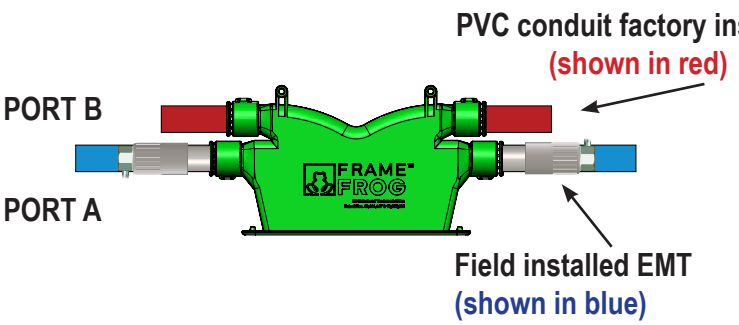
PARTS NEEDED

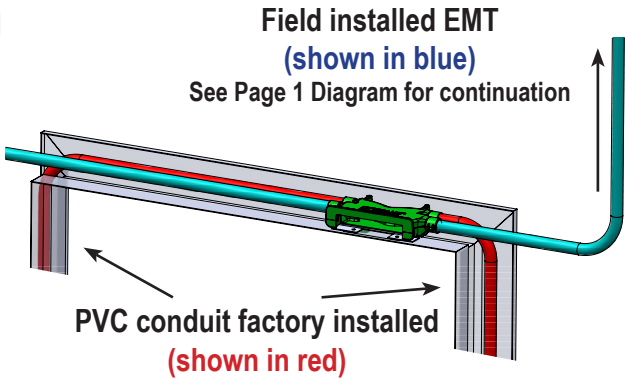


PARTS ASSEMBLED

Recommended Conduit Configuration

While there are multiple conduit configurations available, we recommend that FrameFrog and PVC conduit that resides in the frame be installed at the shop using a consistent convention of pathways such as the basic configuration demonstrated here. This will prove to be beneficial when running wires at the time when FrameFrog and conduits are concealed from view. By connecting **Port B** to **Port B**, you will know that these pathways remain within the door frame. This reserves **Port A** for attaching conduit in the field that will exit the frame and extending to various remote locations, such as card readers, above ceiling power supplies, etc..



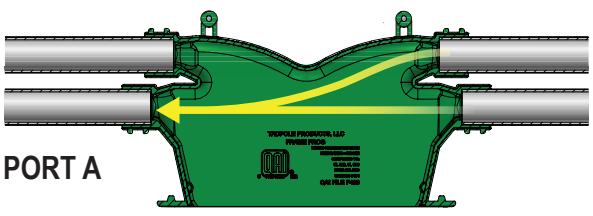


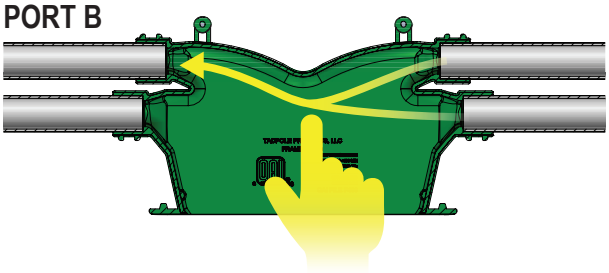
FrameFrog Use

1. Once door frame, FrameFrog, and walls are all in place, an electrician's fish-tape can be used to fish and pull wires from any location in the frame. Insert fish-tape into opening of frame and FrameFrog, and direct fish-tape side to side to enter the desired port and conduit.

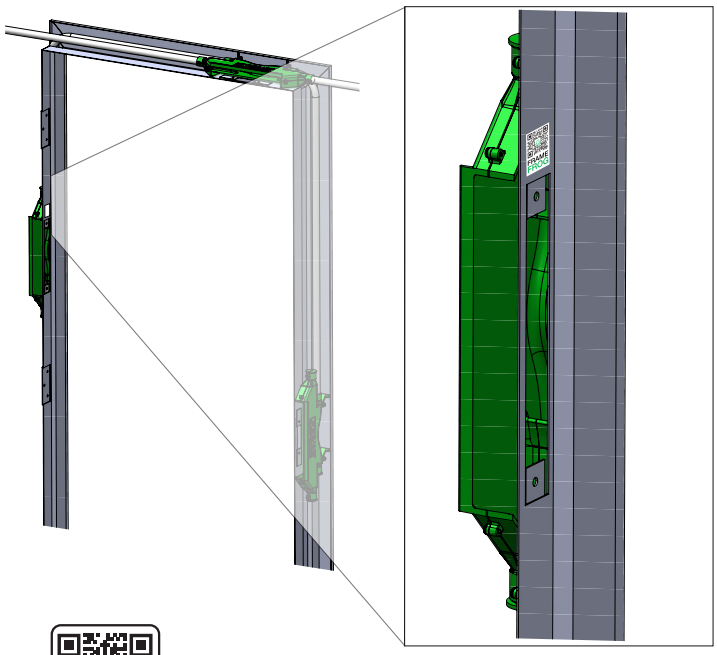
2. It is highly recommended to use a fiberglass fish-tape. Flat metal fish-tapes do not bend equally in all directions, and can reduce the ability to control the fish-tape's path.

3. When pushing a fish-tape through a FrameFrog to a location further downstream, the fish-tape will naturally enter Port A and exit the frame. In order to direct the fish-tape to enter Port B and remain in the frame, simply use index finger to push the fish-tape behind the divider, and continue pushing.





Door Frame QR Code Label Location



Apply QR Code Decal on Hinge Side at Face of Door Rabbet

Cautions

1. FrameFrog should be used in conjunction with a qualified electrician.
2. Tape or otherwise seal all openings of the remaining port caps to keep high slump mortar from entering FrameFrog.
3. Once installed in the frame, fill all voids between FrameFrog and the door frame that might allow high slump mortar to enter.
4. When attaching PVC conduit to FrameFrog, use Multipurpose Adhesive made for bonding PVC to ABS Plastic.
5. FrameFrog should only be used for wiring systems of less than 30 volts.
6. Limited for “Class 2 Single Source” power supplies only.
7. Convert conduits that exit the frame to EMT when required by codes.
8. Comply with all authorities having jurisdiction as well as all National, State, and Local Building Codes.

TADPOLE PRODUCTS, LLC
FRAME FROG
LISTED FRAME HARDWARE
FIRE RATING ≤ 180 MIN
CONFORMS TO:
UL 10B, UL 10C,
NFPA 252 AND
CAN/ULC S104
QAI FILE F466

FRAME FROG

US Patent and Trademark Office
Patent Nos. 10,411,447 & 10,855,064
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