VULKA

FIRE EQUIPMENT

VTS Field Guide:

Garage/Roll Up Door

SAFETY PRECAUTIONS

ALWAYS Use Personal Protective Equipment

Always wear appropriate P.P.E. including helmet, gloves, and eye protection when setting up and operating this equipment. Wear hearing protection during the operation of powered equipment.

Never Exceed Weight Limitations

Weight limitations for this equipment are available in this guide. Under most circumstances, this equipment can support 1500 pounds, inclusive of the weight of lumber/sheathing/materials used.

Never Use Damaged Parts

If a part is bent, cut, dented or otherwise damaged, DO NOT use that part. Replacement parts are available by contacting support@vulkafire.com. Paint/powder coat chipping and scratching are expected during normal use and will not affect the equipment operationally.

Always Use Official Vulka Parts and Hardware

Only use parts and equipment designed for this product. Using anything other than Vulka Fire Equipment approved parts will void the warranty and could lead to failure of the system and subsequent injury. Replacement parts are available by contacting support@vulkafire.com.

Do Not Practice Techniques You Have Not Been Trained On

Firefighting is a dangerous job and the techniques involved could lead to injury, even in a controlled environment, if executed poorly or improperly. Always ensure that instructors are trained and competent in the subject matter being practiced and are appropriately trained to instruct.

Do Not Operate Power Tools or Equipment You Are Not Familiar With

Always follow the manufacturer's recommended operating procedures and safety precautions when using power tools and equipment. Failure to do so could result in injury.

Always Use Fall Protection When Operating at Height

Most configurations of this system will not place the user above 4' off the ground. If using a configuration that places personnel above 4', ensure fall protection is provided per OSHA requirements.

Overview

The Vulka Training System provides a an easy configuration for simulating cutting a roll-up/garage door.

Tools & Materials

The following parts and materials will be needed:

- (1) VTS Unit
- Lumber for framing the garage. Size will be based on desired size of simulated garage door and corrugated metal sheet size, typical (4) 2x4x96 studs will work.
- Screws for attaching lumber to brackets. Metal to wood roofing screws (#8-#14, 1.5” length) are recommended since they provide a gasket to cushion the metal bracket.
- Screws for attaching lumber to lumber. Drywall/wood screws (2” or greater) are typically okay.
- Corrugated metal for garage door or roll-down gate cutting simulation, typically 8’ length.
- Power drill with bits for roofing screws and drywall screws above.
- A-frame ladder
- 3/8” hex key (*included in Convenience Pack Add-on)*
- Rubber mallet (*included in Convenience Pack Add-on*)

Set Up

This Field Guide will cover how to set this configuration up properly:

- Set up tube and brackets
- Attach lumber
- Attach corrugated metal

See below for more detailed steps and diagrams.

Set Up Time

Set up time should take approximately 10-15 minutes with at least 2 people.

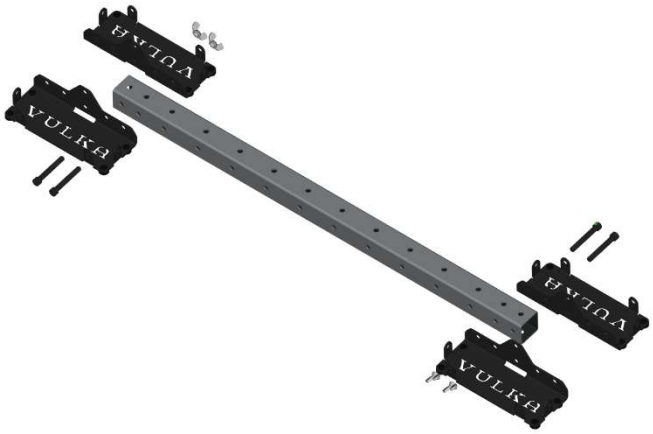
Inserting and Securing Bolts

When securing bolts with wing nuts, bolts should only be hand tight. Using a 3/8” hex key will help snug the bolts tight and reduce play in the system. **Do not overtighten the bolts or use any powered tools on the bolts.** Overtightening the bolts could lead to permanent bending of the brackets and difficulty removing the bolts. Though uncommon, a bolt may require light tapping with a rubber mallet when inserting or removing due to slight hole size variance and/or powder coating thickness – if this is needed, be sure to use as little force as necessary to get the bolt through.

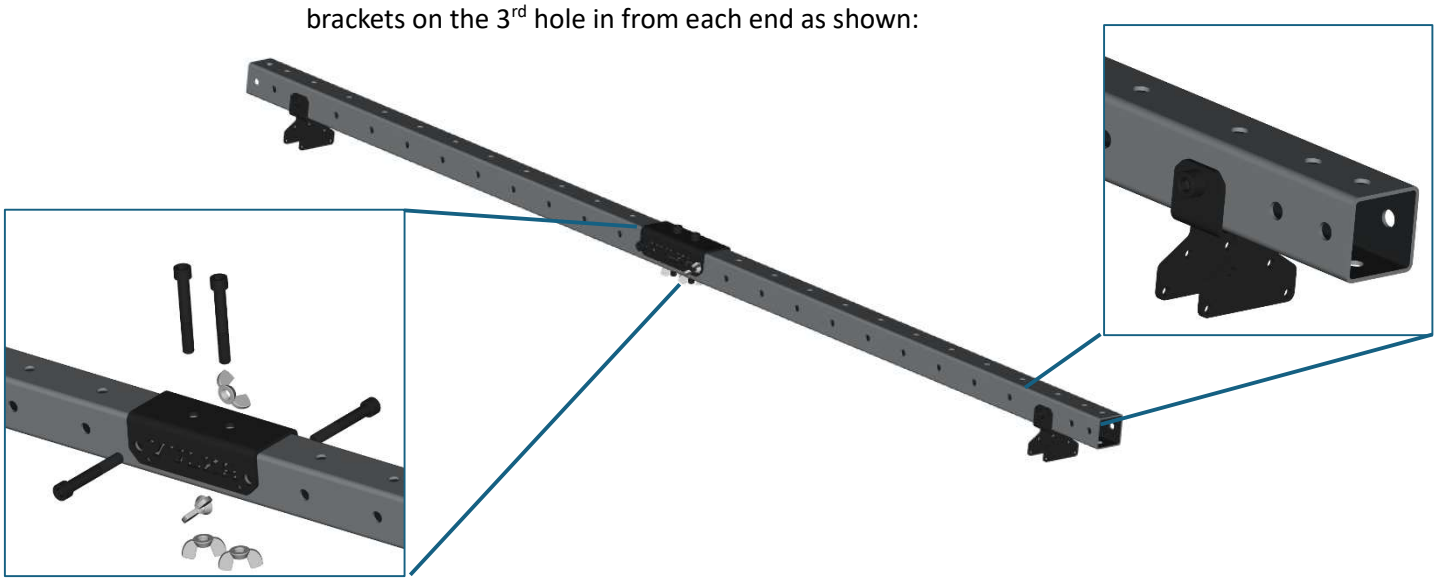
Assembly – Pitched Roof/Peaked Roof

1. Assembling the Structure

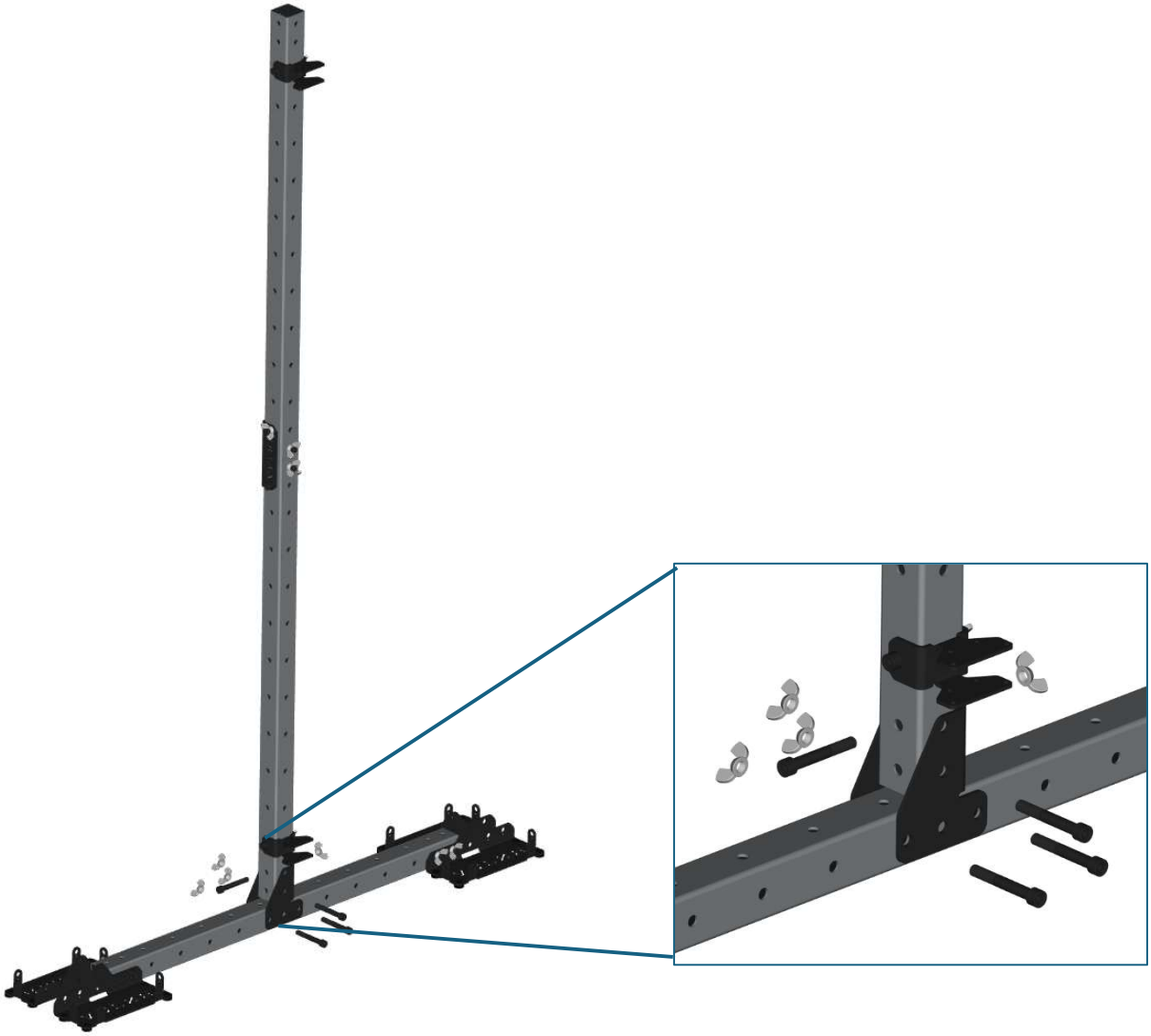
a. Assemble **(2)** base rails in the following configuration:



b. Assemble (2) 8’ length tube segments using 2 tubes and a connector bracket, adding brackets on the 3rd hole in from each end as shown:



c. Using a minimum of 2 people, connect the 8’ tube into the center holes of the base rails using an elbow, as shown (do this for each base rail):



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1. Connect the Uprights with Lumber

Using two lengths of lumber that are the same lengths as the corrugated metal segments being used, insert the lumber into the brackets horizontally and secure with 2 metal-to-wood roofing screws each. The resulting structure should look like this:

2. Add Lumber Rails

Add two more segments of lumber vertically on the edges of each side of the horizontal lumber just inserted, parallel to the tube uprights. Attach with 2” drywall or wood screws to the horizontal lumber segments to achieve the following structure:

3. Attach the Metal

Attach the corrugated metal segments to the vertical lumber rails with metal-to-wood roofing screws. The sections should overlap and be secured together with sheet metal screws at the overlap to make a single cohesive piece of metal (like a garage door).

4. Final Assembly & Check

Before use, be sure to verify that all bolts are in place and hand tight, and all lumber is secured with screws.

At this point, the VTS is ready for use. Replace the lumber if it has been compromised. Review safety precautions before training begins.

Question? Concerns? Improvements?

Please be sure to reach out to us at support@vulkafire.com !

General information and additional configurations are available in their own Field Guide. Please be sure to check vulkafire.com.

Add-ons for the VTS are also available at vulkafire.com!

END OF GUIDE