



FORTRESS  
**POWER**  
Secure your energy



**eForce** Wall  
Mounting Kit

**Use in conjunction with the **eForce** manual**

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# 1.CHANGE LOG

VERSION	CHANGE
EFWMM-V1.0	Added Dimensions for 1-2 battery installation and Wall mounting kit Mounting Process Change
EFWMM-V1.2	
EFWMM-V1.3	

## 2.SAFETY AND PRECAUTION INSTRUCTIONS

Mounting a heavy lithium battery to a wall requires careful planning and adherence to safety standards to prevent injury, equipment damage, or property hazards. Below are detailed instructions considering best practices, code regulations, and load requirements:

### 1. Assess Wall Strength and Structure

- **Material Check:** Verify the wall material (concrete, brick, metal studs, or wood studs). Avoid mounting directly onto drywall without additional reinforcement.
- **Wall Condition:** Ensure the wall is free of cracks, moisture, or structural weaknesses.
- **Code Compliance:** Follow applicable local, regional and national building codes requirements.

### 2. Wall Mounting Hardware

- Use the included **fasteners** tailored to the wall type (e.g., anchors for concrete, lag bolts for studs).
- Avoid mounting on walls not designed for heavy loads, such as hollow drywall.
- **Use only the included brackets** rated for the battery's weight and load capacity.
- Ensure the wall structure is reinforced and capable of bearing the load safely.

### 3. Battery Position and Mounting Height

- **Height:** Install the battery at an accessible height for maintenance, typically 3-5 feet above the floor.

### Important Note

Always adhere to the installation instructions and guidelines, which are designed specifically for the battery's unique design, weight, and safety requirements.

#### Deviating from Guidelines May Lead To:



**Structural Damage:** Incorrect installation could result in the battery detaching from the wall, posing a risk of injury, death or property damage.



**Void Warranty:** Manufacturers may void the product warranty if their specified installation procedures are not followed.



**Fire Risk:** Improper mounting could compromise battery integrity, increasing the risk of fire.



**Code Violations:** Non-compliance with manufacturer specifications may lead to violations of building and safety codes.

#### Potential Hazards if failing to comply with safety guidelines and instructions:



#### **Injury or Death from Falling Battery**

The eForce battery falling from a height can cause severe injuries or fatalities.



#### **Structural Collapse Risks**

#### **Inadequate wall strength or mounting hardware failure can cause:**

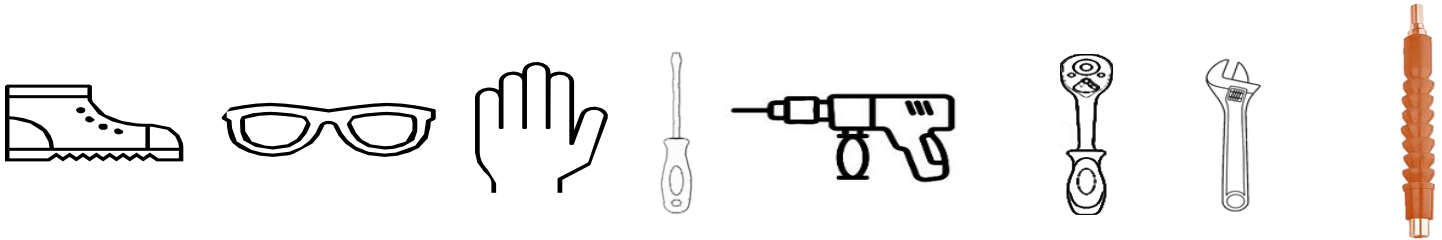
Collapse of the wall leading to injuries and damage to adjacent structures.

Equipment failure or damage to the battery.

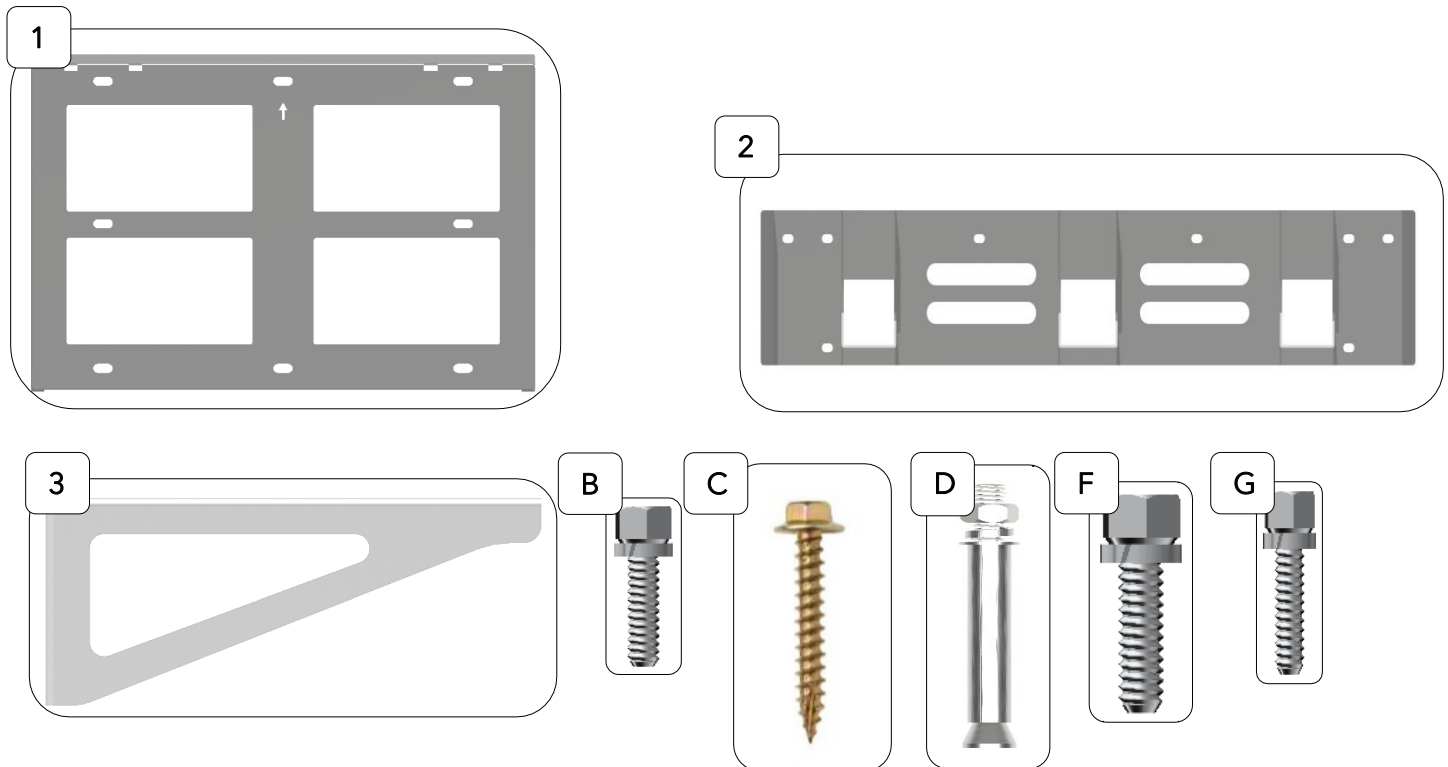
### 3. TOOLS AND MATERIALS

The following tools and materials are required and are not included:

1. OSHA approved personal protective equipment, Safety Shoes, Safety Glasses, Insulated Gloves, and Weightlifting Belt.
2. Bendable Screwdriver extension
3. Metric hex socket set
4. Metric wrench set
5. Phillip and Flat Head Screwdriver Set.
6. Power Drill and wood/concrete drill bit set



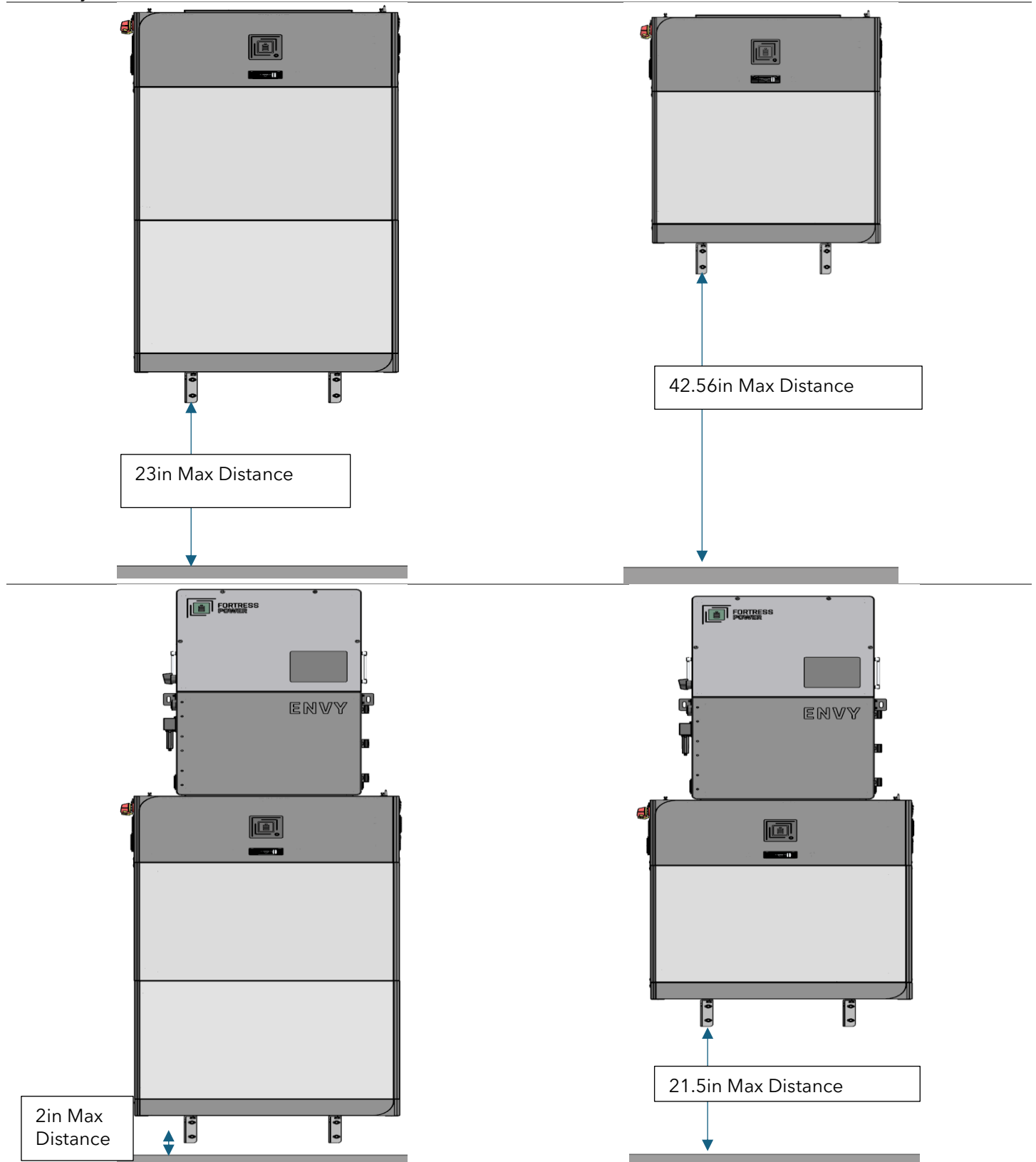
### 4. UNBOXING CHECK LIST



PART	DESCRIPTION	QTY
1	Wall Rack	1
2	Wall Hanging Panel	2
3	Shelf Bracket	2
B	5*12mm Cross Point Hexagon bolt	16
C	M8*60mm screws	12
D	M6*60mm expansion bolts	12
F	8*20mm Cross Point Hex bolt	4
G	5*20mm Cross Point Hex bolt	2

## 5. SPACING REQUIREMENTS

Consider NEC CODE SECTION 404.8(A) when wall mounting the eForce. Please follow the guidelines below. **DO NOT INSTALL** the battery system above the stipulated Height. The height reference is taken from the highest disconnect. **Do Not mount** the inverter on top of the eWay when 3 batteries are stacked vertically as it will not follow NE Code.

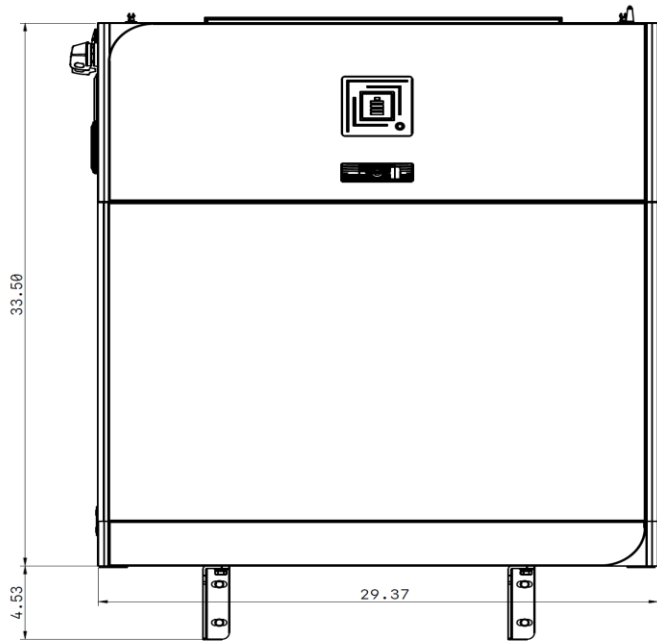


## 6. DIMENSIONS

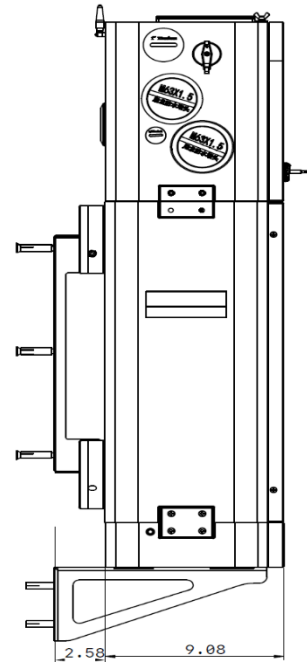
**Do Not use Wall mounting kit for 3 battery vertical installation.**

### ONE BATTERY INSTALLATION DIMENSIONS (IN)

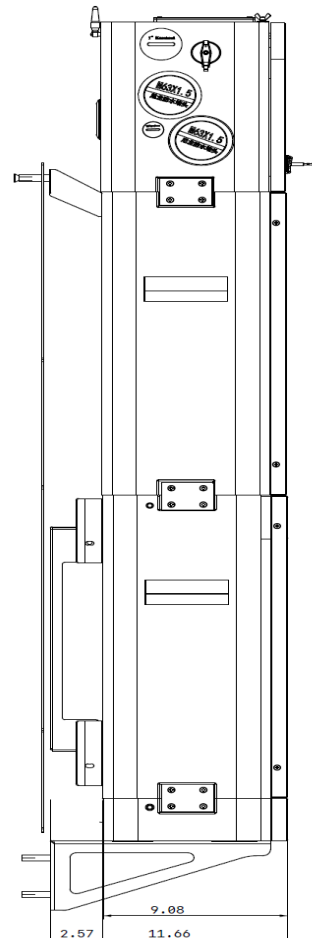
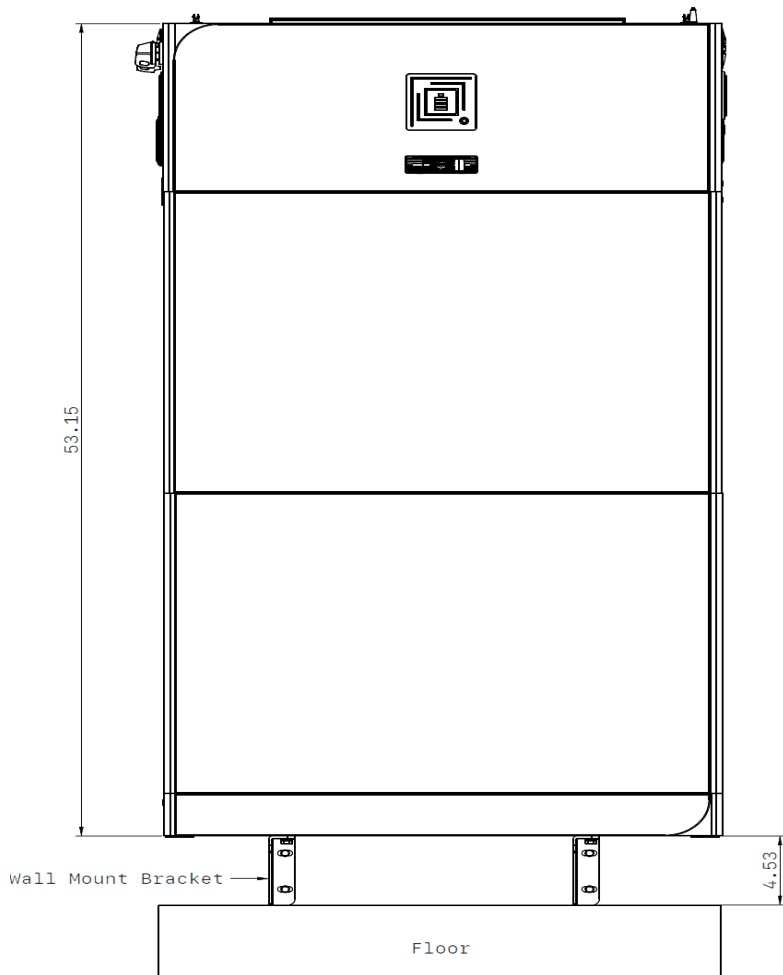
Front Side



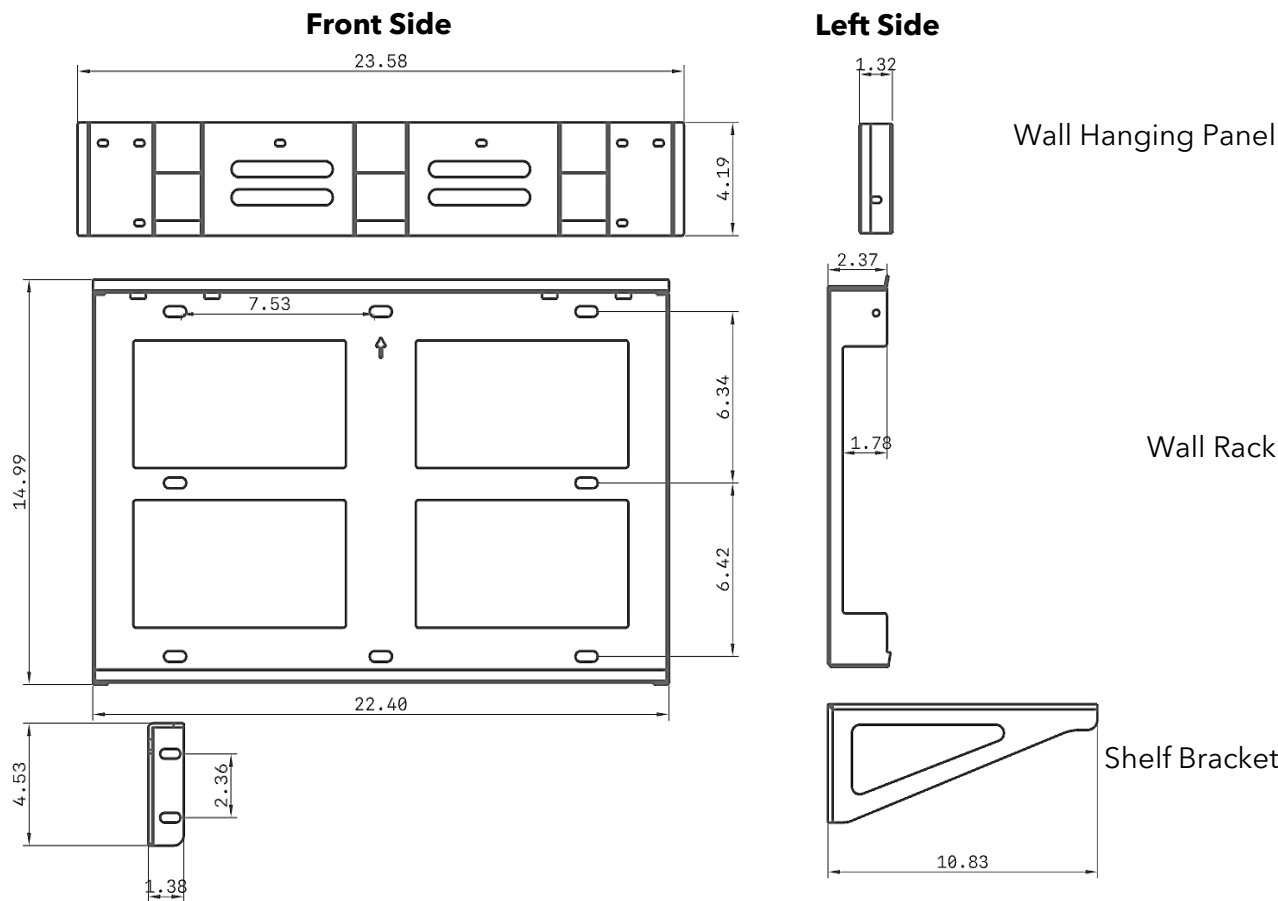
Left Side



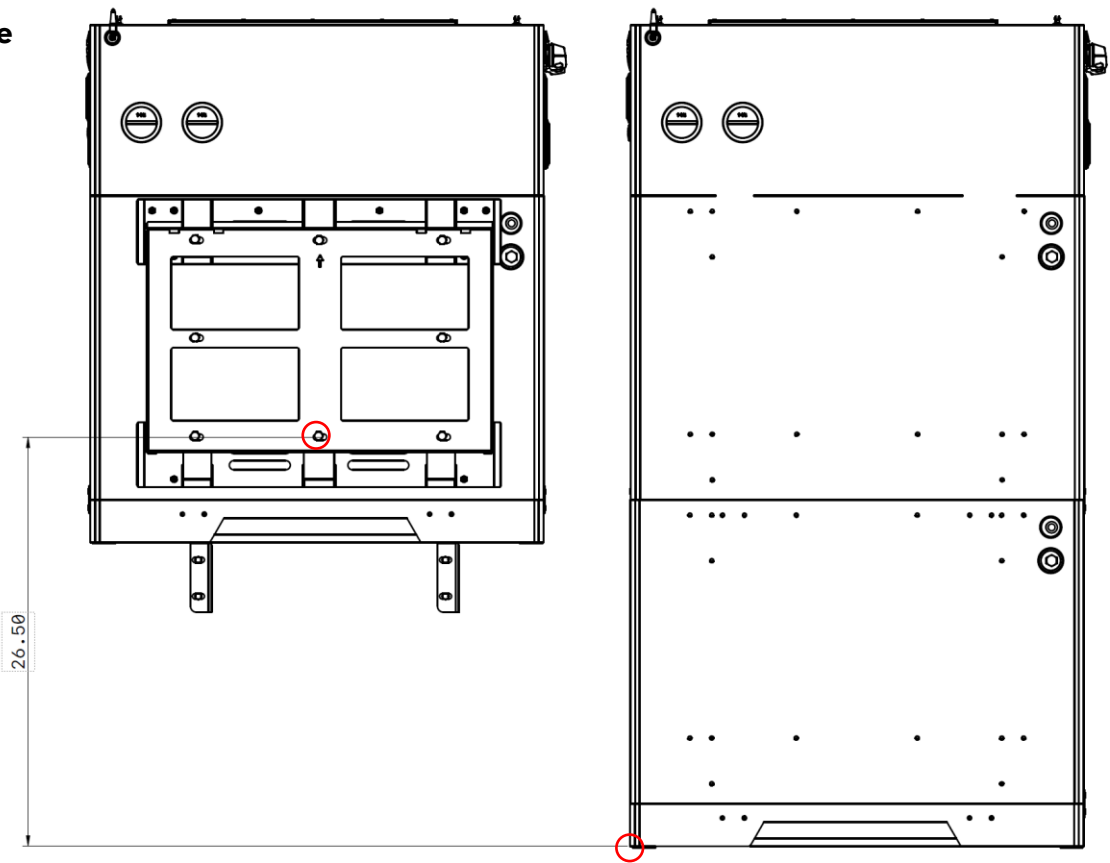
### TWO BATTERY INSTALLATION DIMENSIONS (IN)



BRACKET KIT DIMENSIONS (IN)

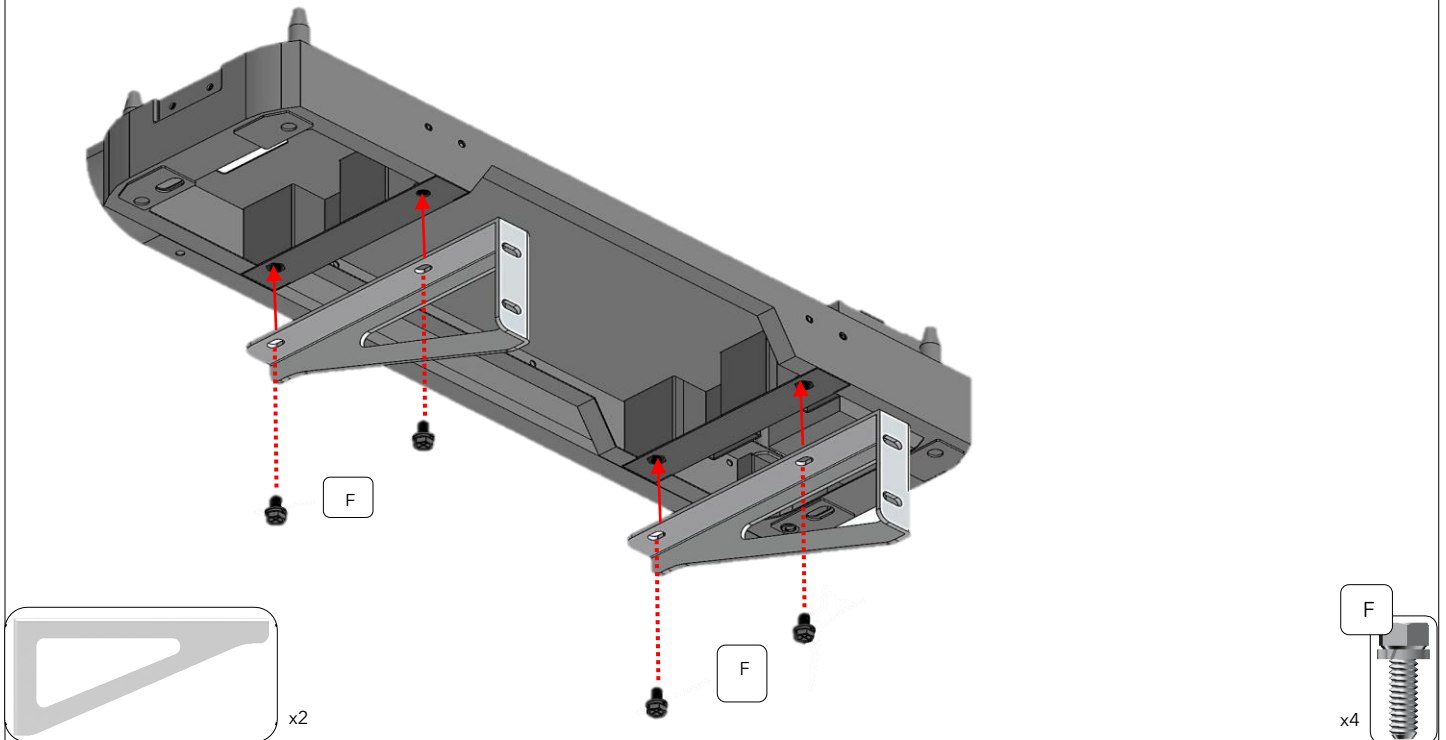


Back Side

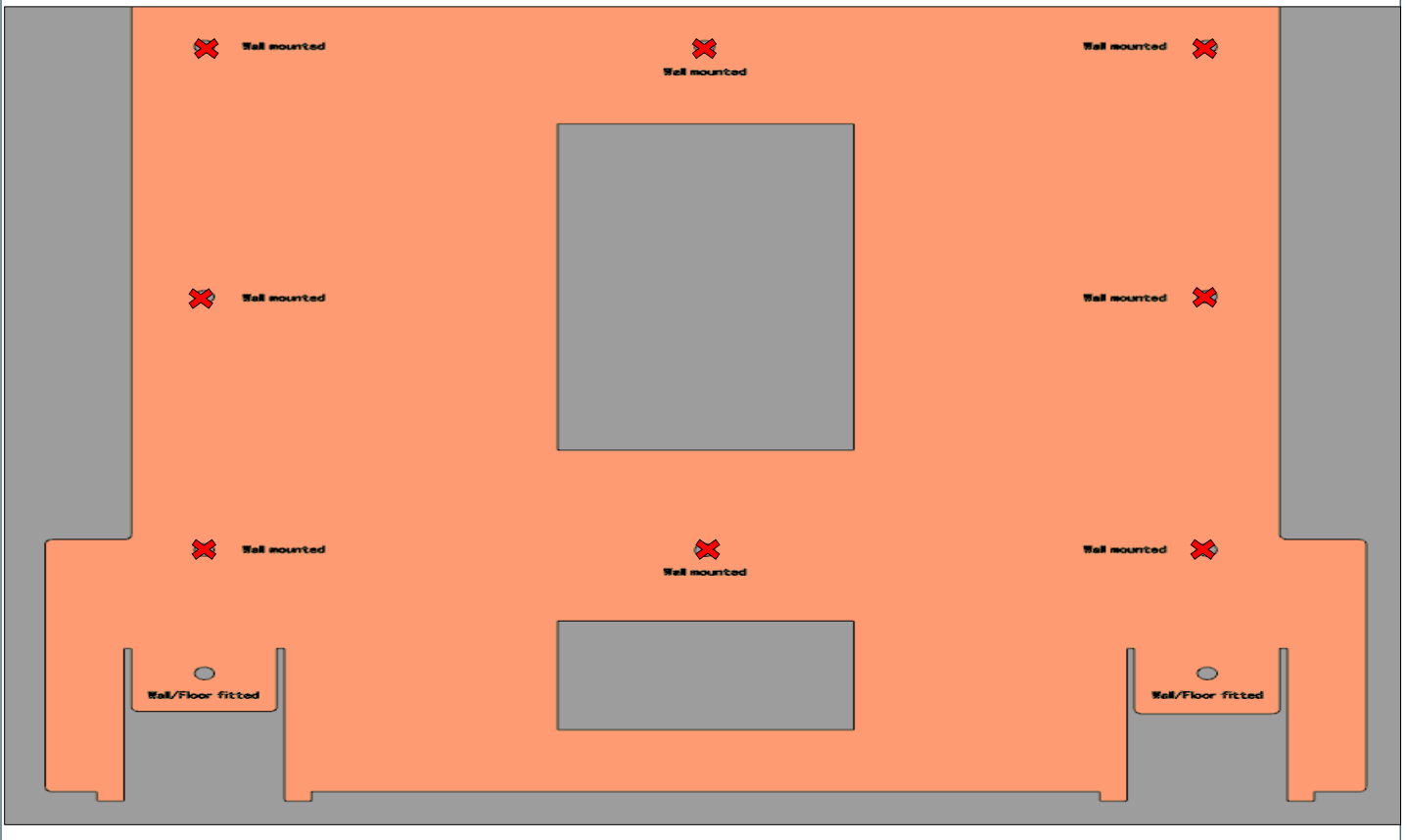


## 7. INSTALLATION

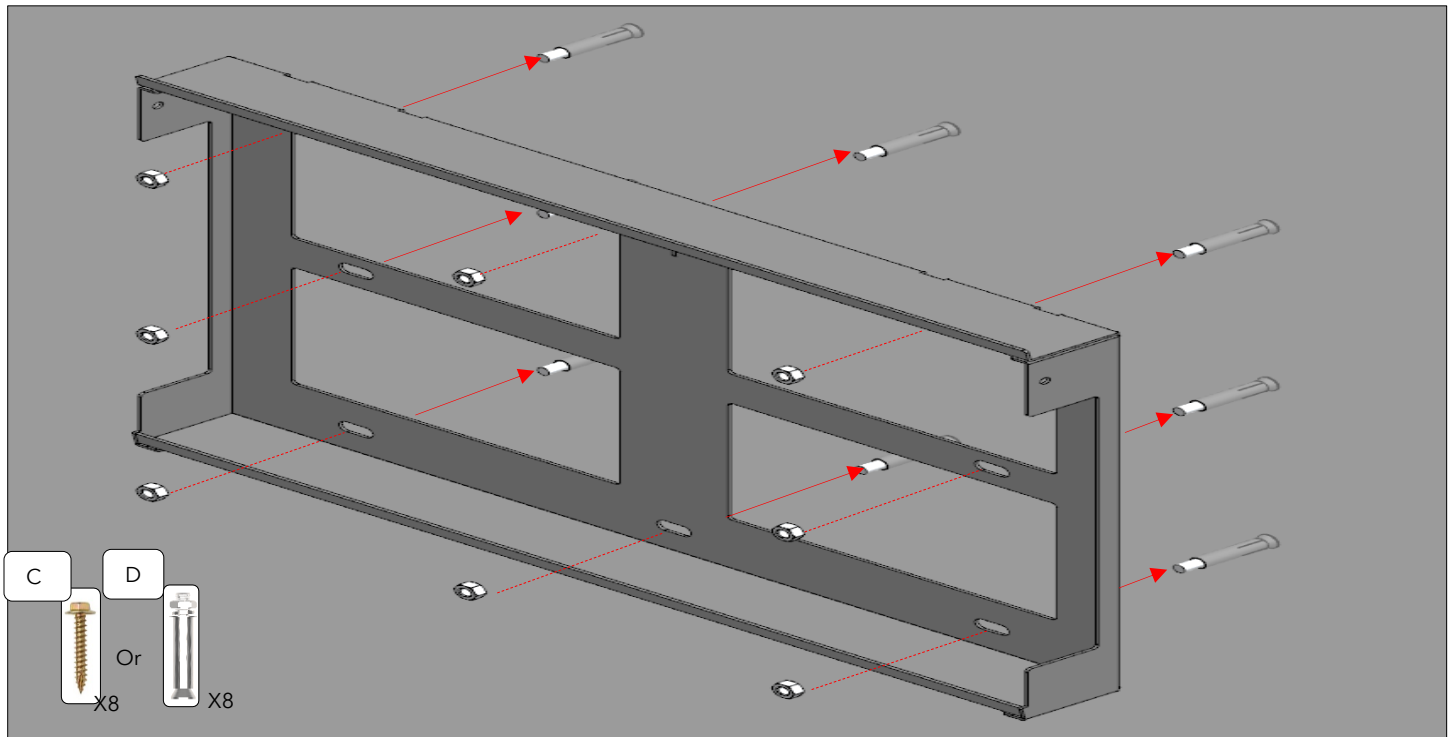
1. Mount the Shelf brackets to the base.



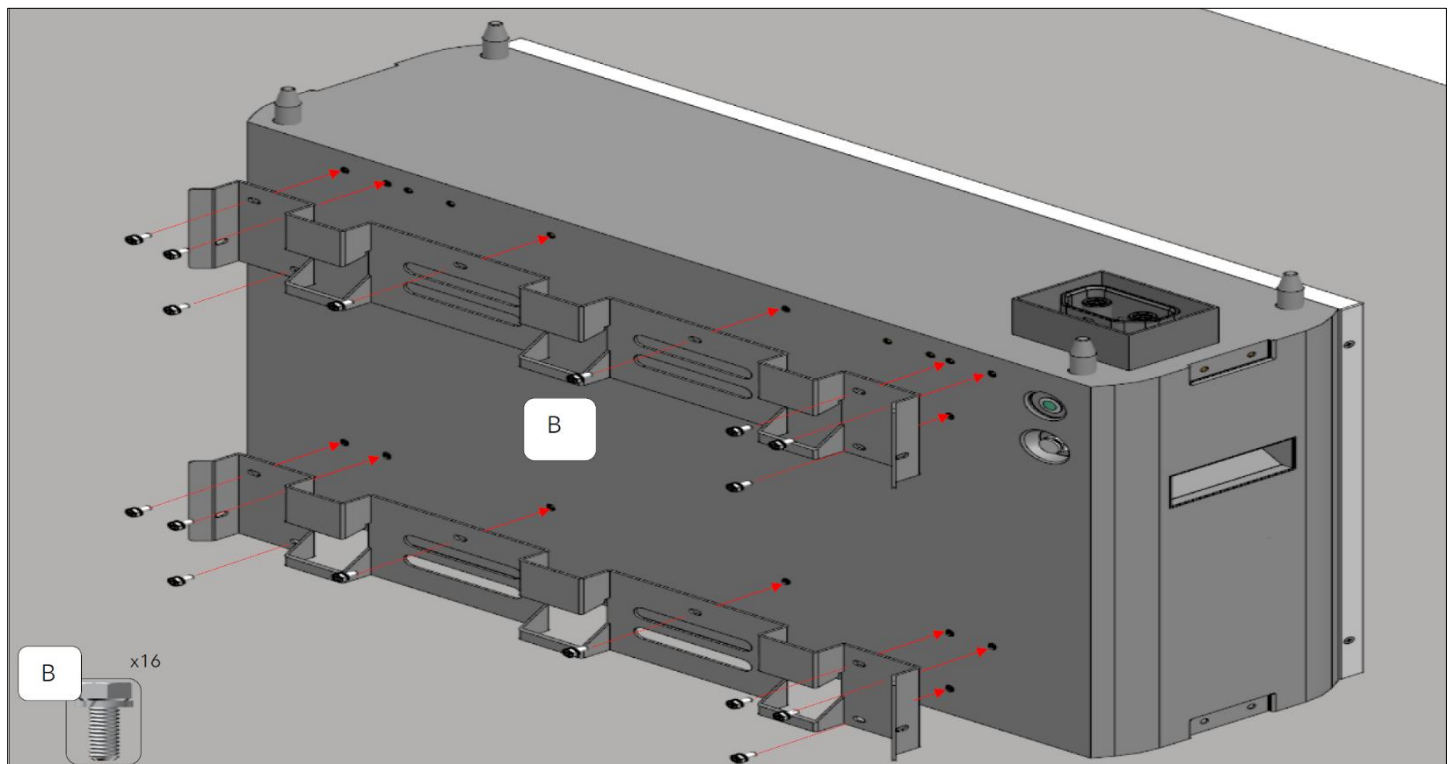
2. Using the template included in the eWay, align the bottom holes pressed against inside the wall fitted bracket.
3. Make sure the template is leveled and mark the holes labeled **WALL MOUNTED**.
4. Remove the template and drill the corresponding holes.

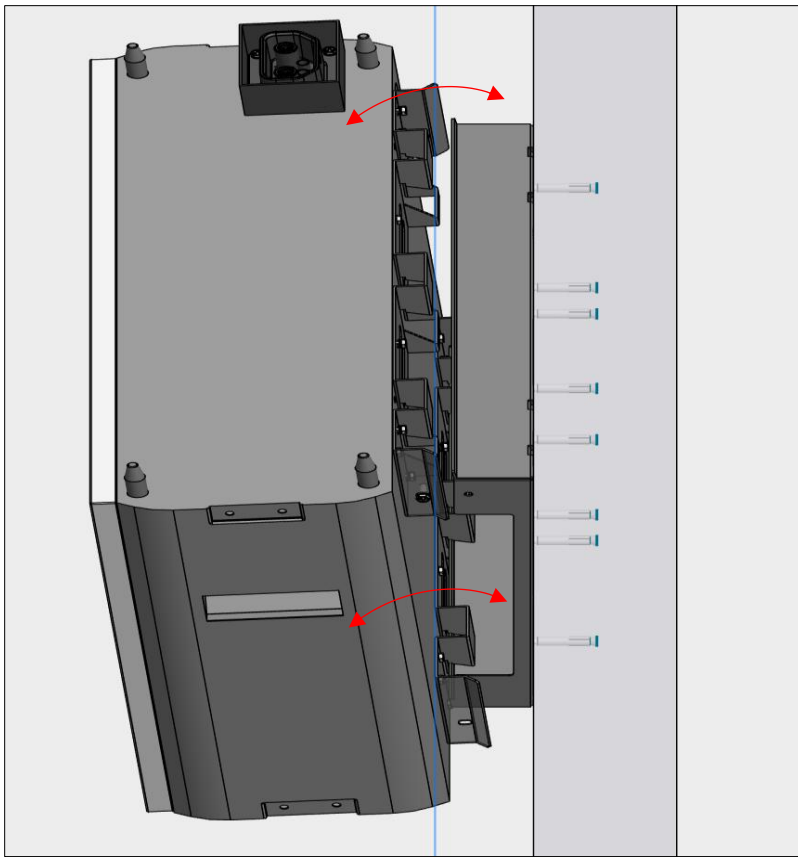


5. Screw the wall rack to the wall.



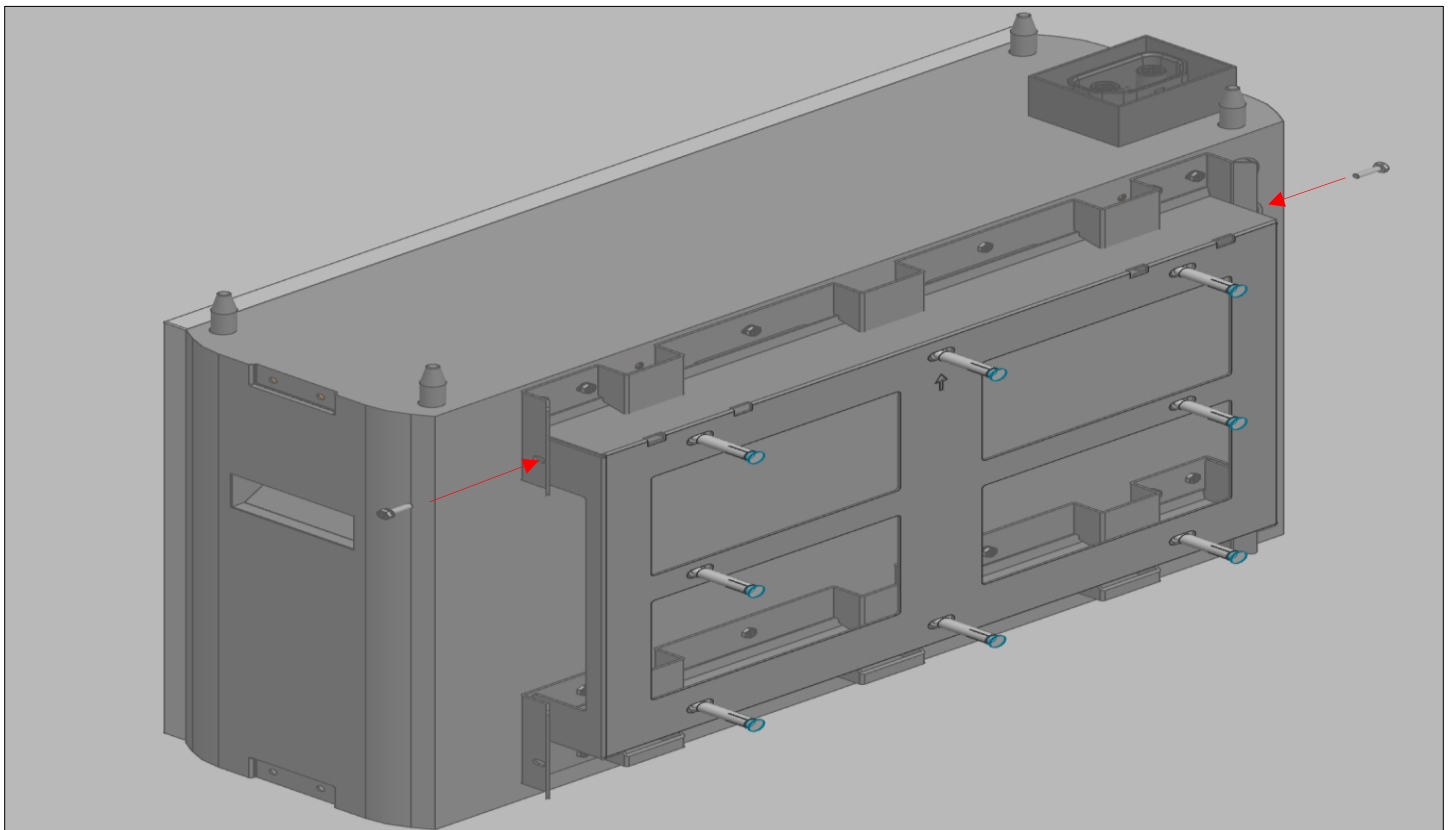
6. Screw the wall hanging panels to the back of the battery.



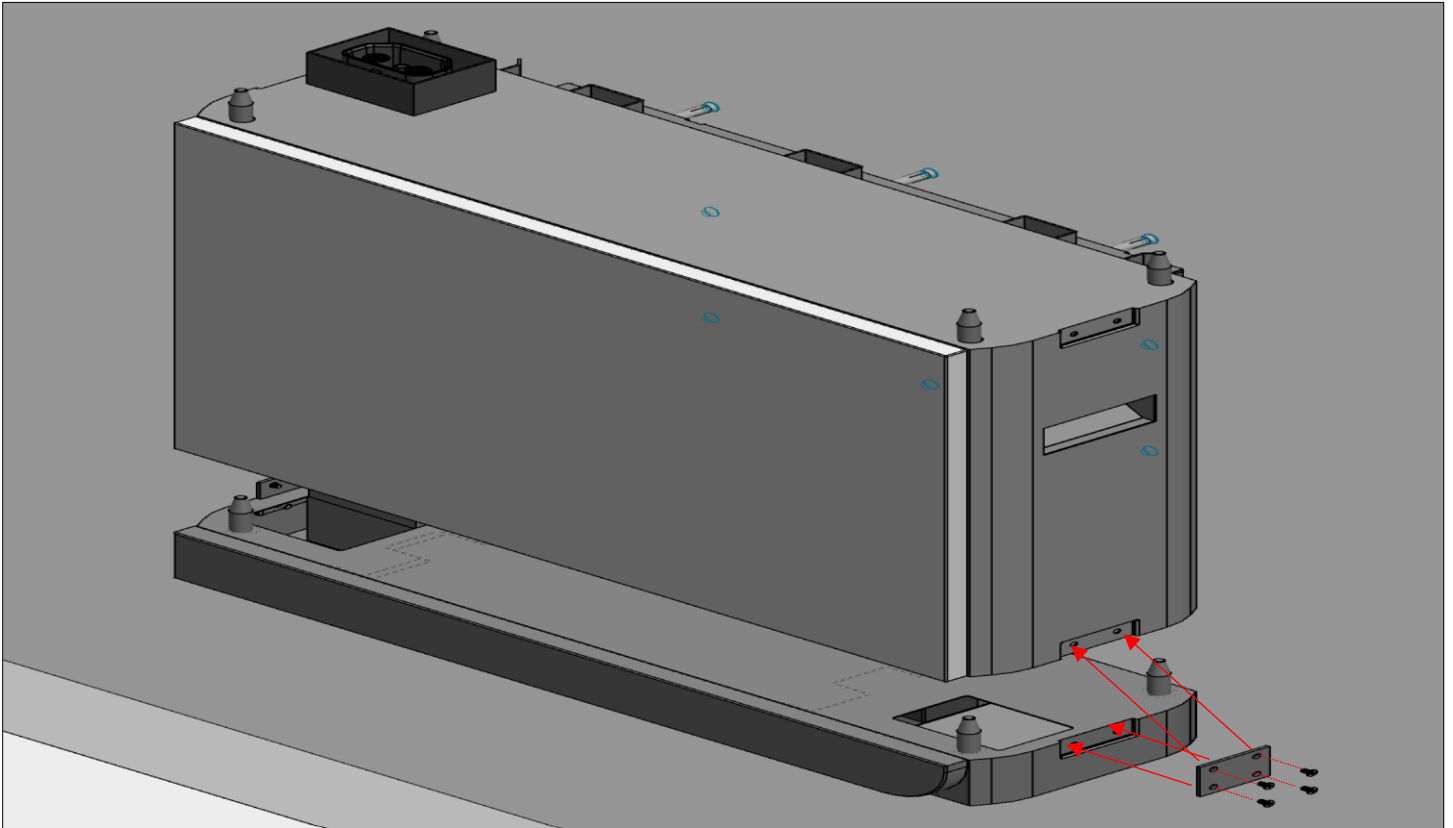


7. Using proper Team Lift or machinery, carefully lift the battery and align it with the mounting bracket. The top and bottom hooks on the bracket should correspond to the designated mounting points on the battery. Tilt the battery slightly forward (as shown by the red arrows in the diagram) and insert it into the hooks on the wall bracket. Push the battery back so that it sits securely in place.

8. Screw the side bolts to secure the side of the wall mounting panel brackets



9. Join the base with the bottom of the eForce battery and secure using the side braces and screws. **Make sure they are firmly screwed in.**

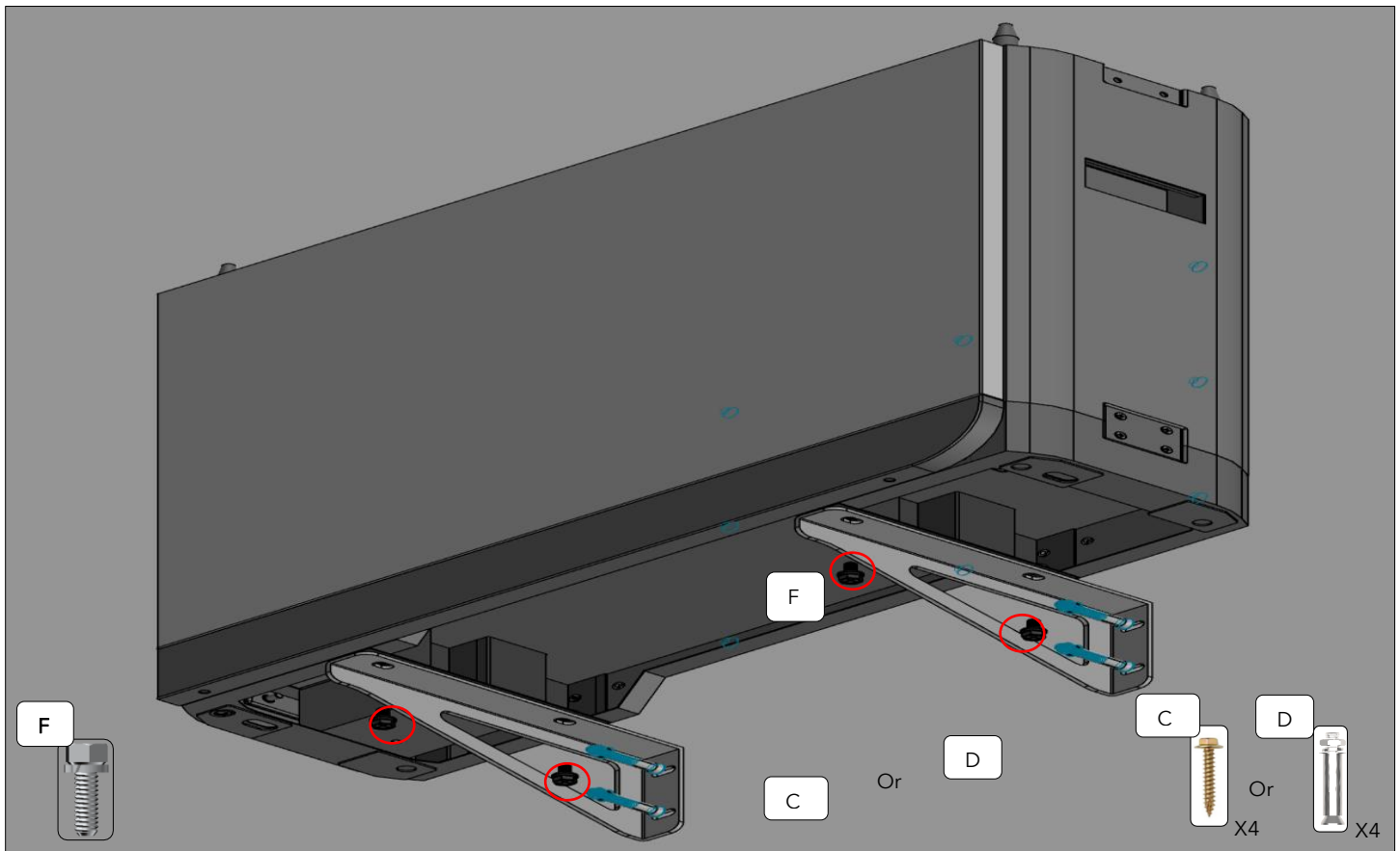


10. Join the shelf brackets and mark the wall holes to be drilled. Remove the shelf bracket

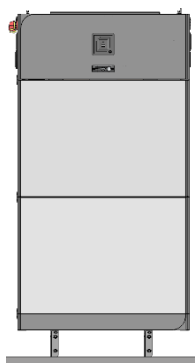


11. Drill and join the base to the bottom of the eForce battery Make sure the side brackets are firmly tightened. Secure shelf bracket to the wall.

12. Use the following guides to determine the configuration of the installation.

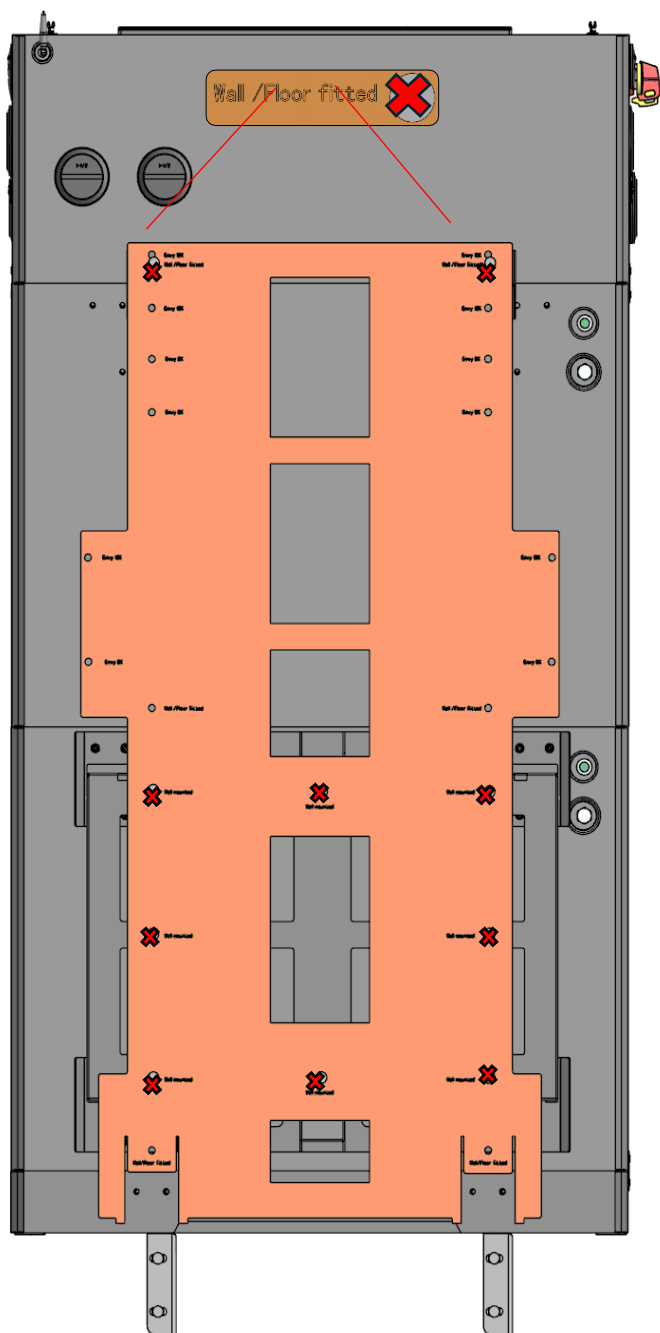


## 2.1 OPTION 1: INSTALL 2 eFORCE BATTERIES WITH eWAY

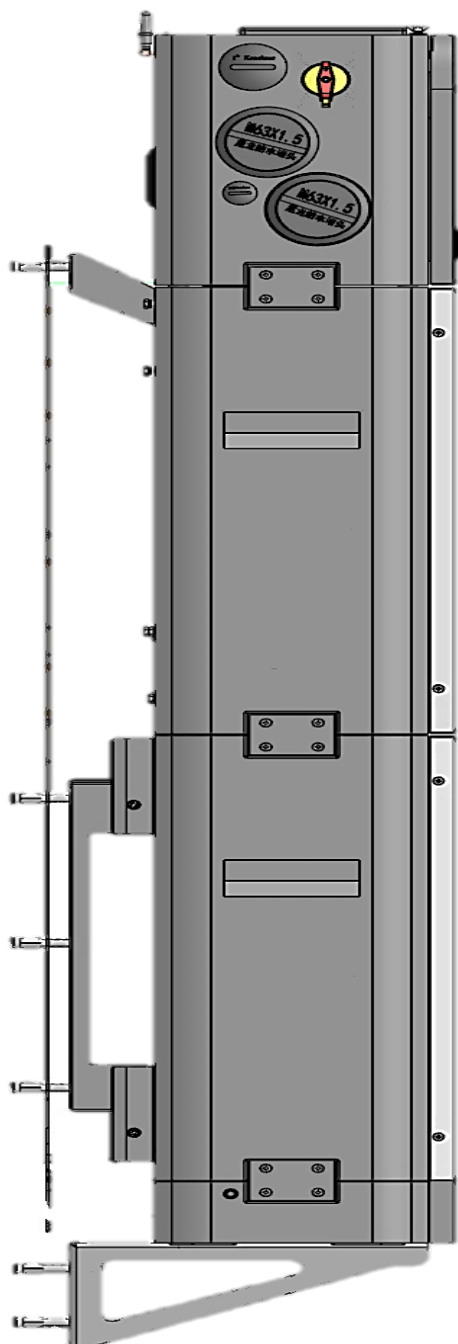


The images provided below illustrate the precise locations where holes should be marked, depending on the specific configuration of your system. It is essential to use only the template included with the eWay, as shown in the image below. Please note that the images also showcase installed components behind the templates, offering a clear example of how the system should appear once fully installed.

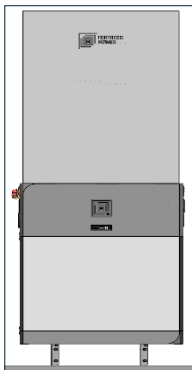
Back View



Left View

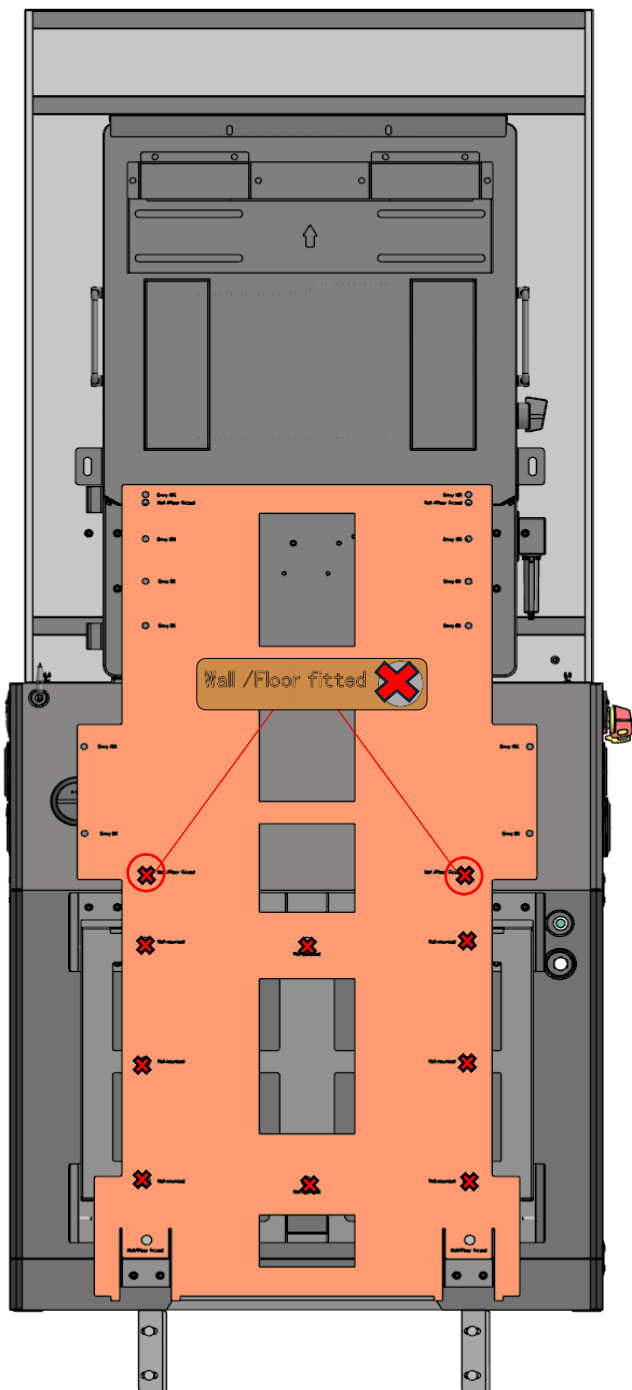


## 2.2 OPTION 2: INSTALL 1 eFORCE BATTERIES WITH eWAY AND ENVY 8kW INVERTER

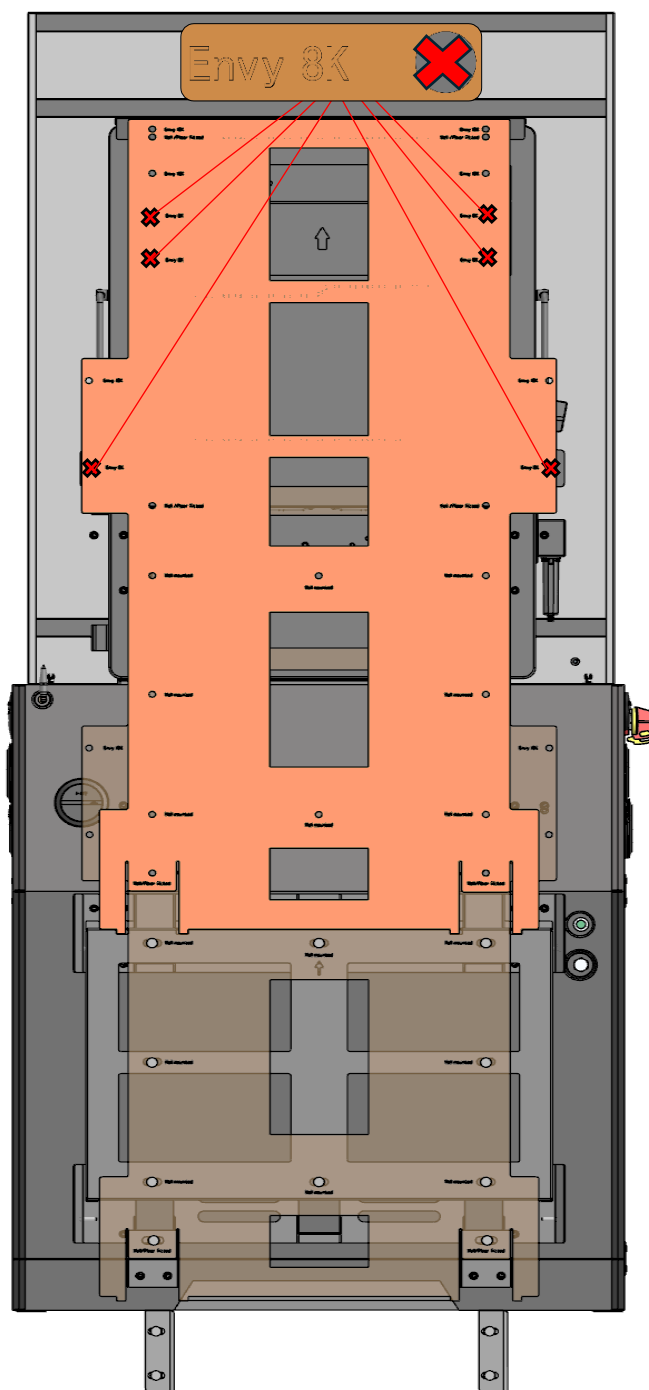


The images provided below illustrate the precise locations where holes should be marked, depending on the specific configuration of your system. It is essential to use only the template included with the eWay, as shown in the accompanying image. To ensure accurate placement, reuse the same template by repositioning it upwards to mark the additional holes. Please note that the images also showcase installed components behind the templates, offering a clear example of how the system should appear once fully installed.

Back View

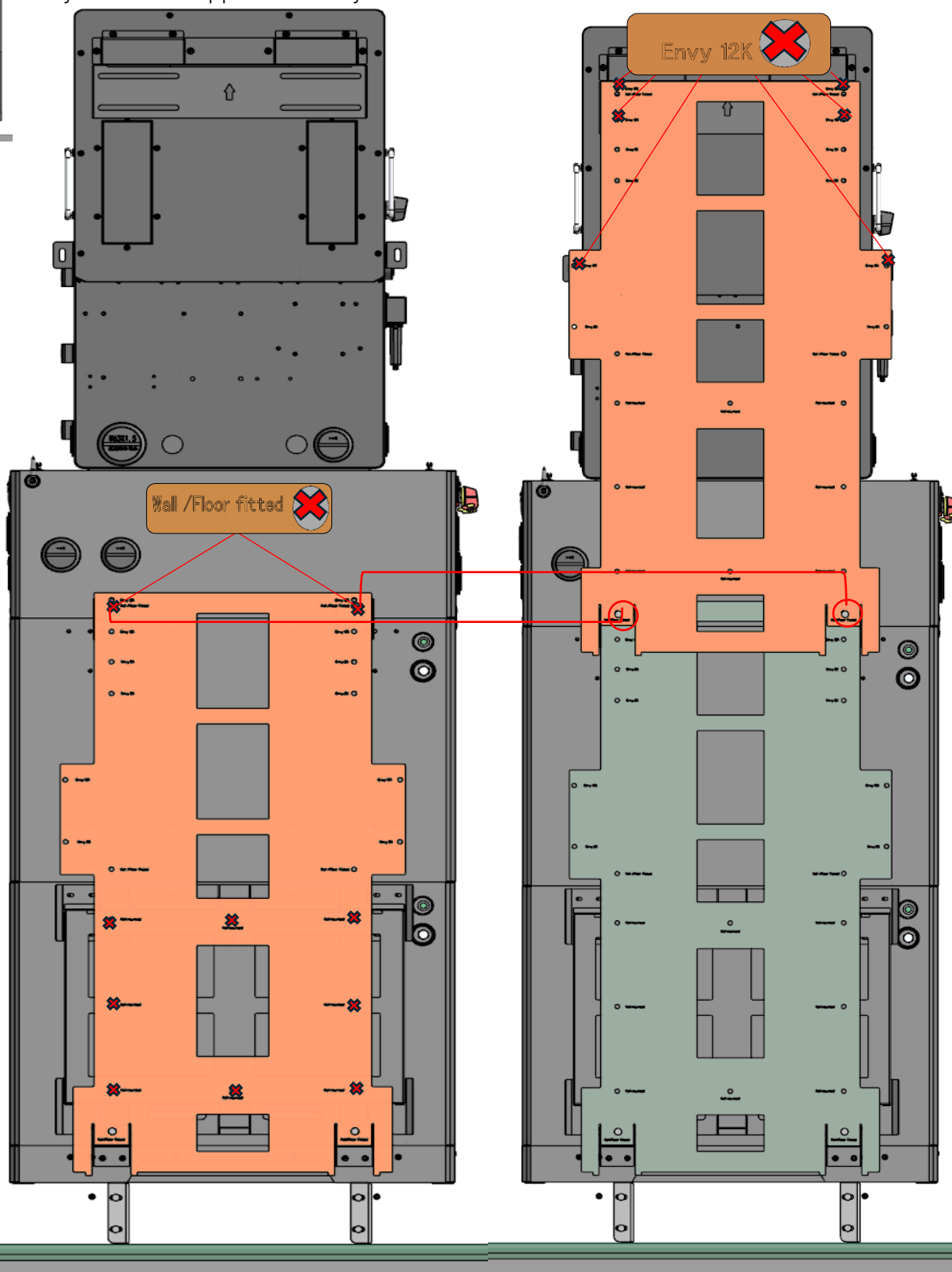
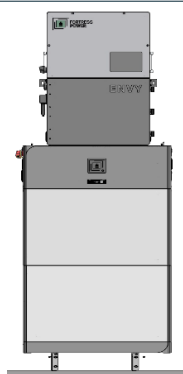


Back View

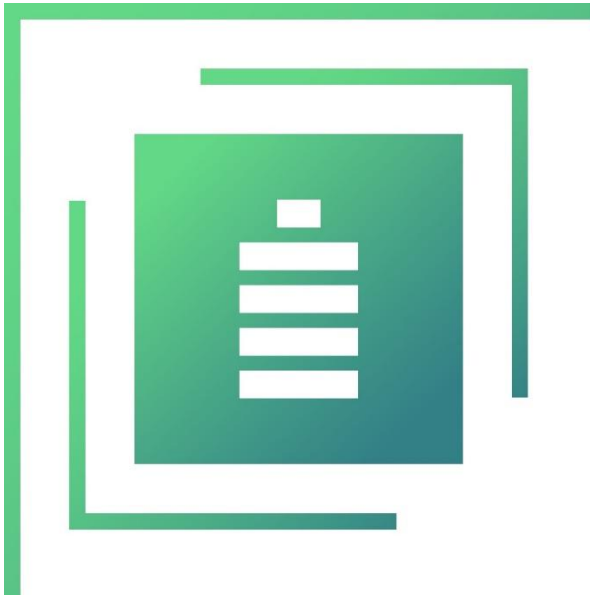


### 2.3 OPTION 3: INSTALL 2 eFORCE BATTERIES WITH eWAY AND ENVY 12kW INVERTER

The images provided below illustrate the precise locations where holes should be marked, depending on the specific configuration of your system. It is essential to use only the template included with the eWay, as shown in the accompanying image. To ensure accurate placement, reuse the same template by repositioning it upwards to mark the additional holes. Please note that the images also showcase installed components behind the templates, offering a clear example of how the system should appear once fully installed.



## 8. CONTACT INFORMATION



# FORTRESS POWER

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### For Technical Support Please Contact us at Tech-Support Contact Information

Useful Links

- Phone:  
Tech Support (877) 497-6937  
Tech Support (Spanish) (215) 710-8960
- Support Tickets: <https://www.fortresspower.com/support/>
- Warranty Submittal: <https://www.fortresspower.com/warranty/>

### Updated Documentation



### System Design Tool SCAN HERE

