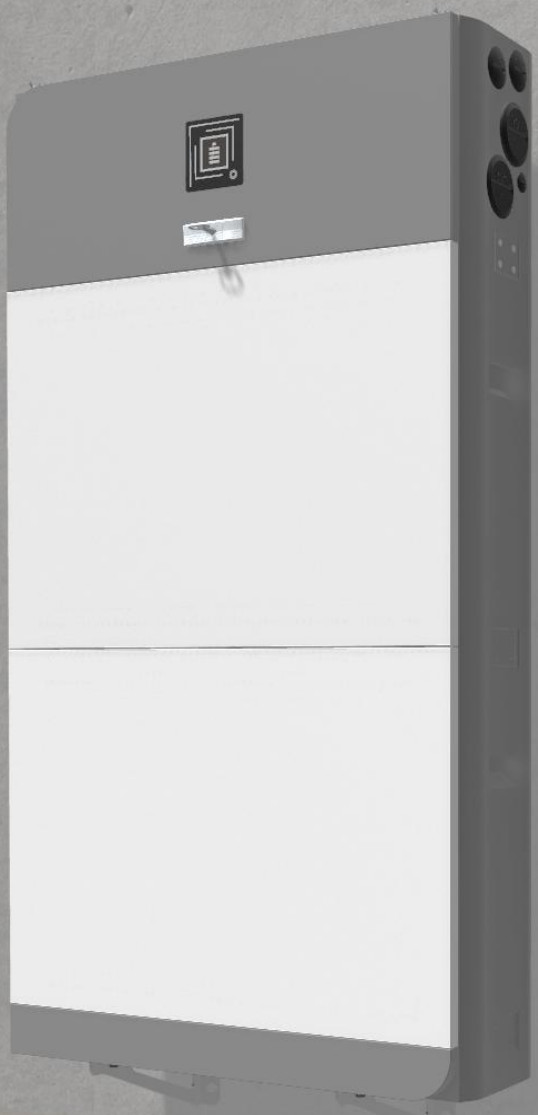
FORTRESS POWER

Secure your energy



eForce Wall Mounting Kit

Use in conjuction with the eForce manual

Table of Contents

1. Change Log

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

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:

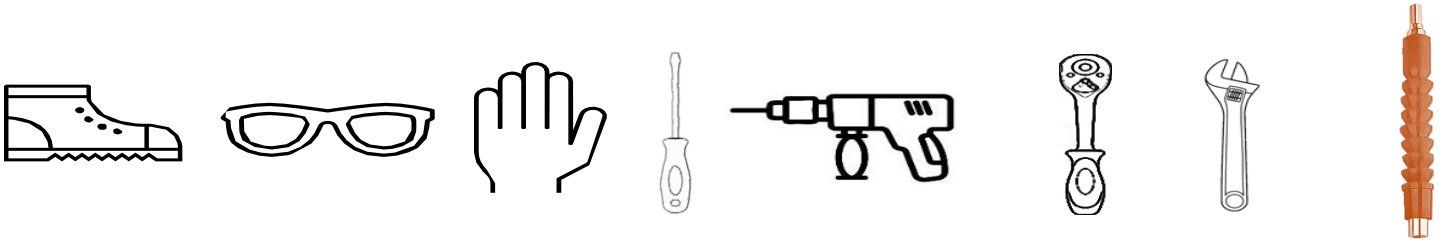
Collapse of the wall leading to injuries and damage to adjacent structures.

Equipment failure or damage to the battery.

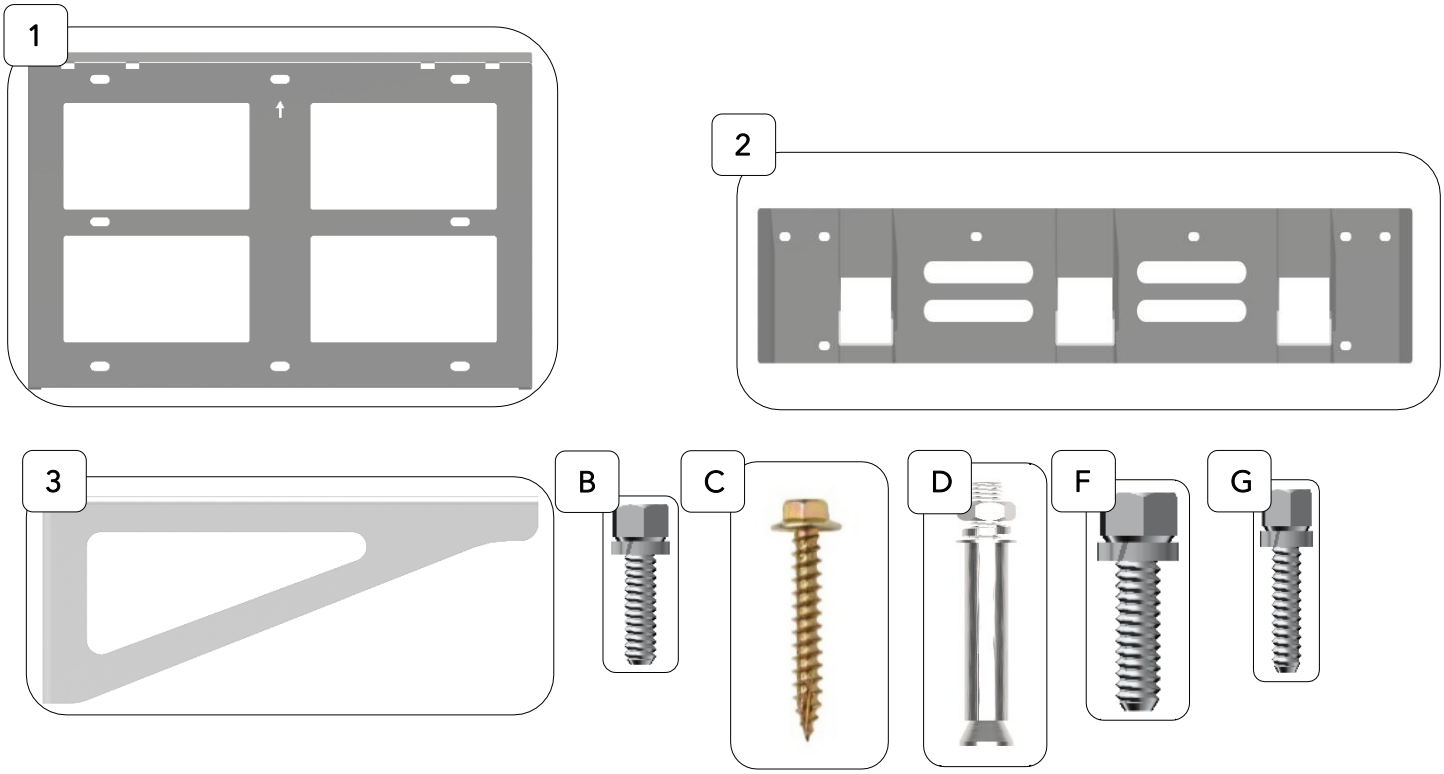
3. Tools and Materials

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



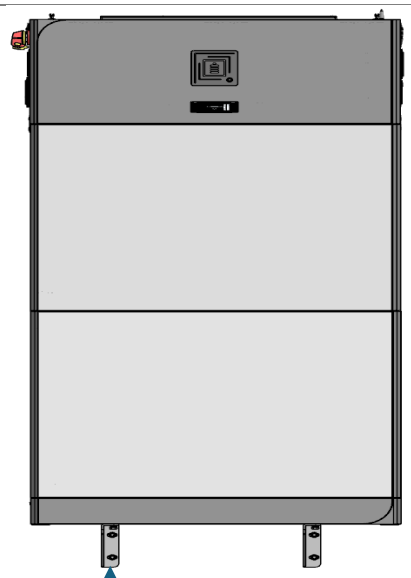
4. Unboxing Check List



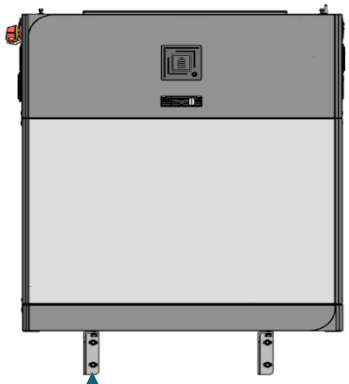
PART	DESCRIPTION	QTY
1	Wall Rack	1
2	Wall Hanging Panel	2
3	Shelf Bracket	2
B	5*12mm Cross Point Hexagon bolt	16
C	M8*60mm screws	12
D	M6*60mm expansion bolts	12
F	8*20mm Cross Point Hex bolt	4
G	5*20mm Cross Point Hex bolt	2

5. Spacing Requirements

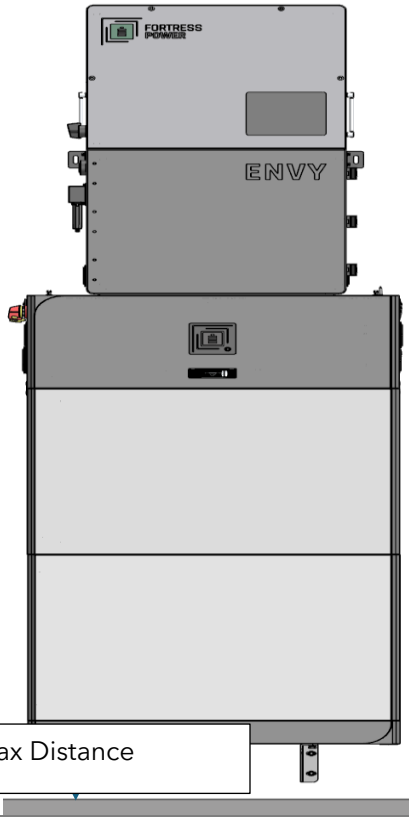
Consider NEC CODE SECTION 404.8(A) when wall mounting the eForce. Please follow the guidelines below. **DO NOT INSTALL** the battery system above the stipulated Heigh. The height reference is taken from the highest disconnect. **Do Not mount** the inverter on top of the eWay when 3 batteries are stacked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



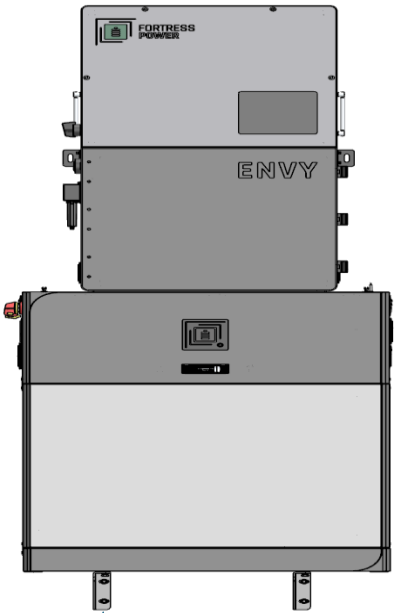
23in Max Distance



42.56in Max Distance



2in Max Distance



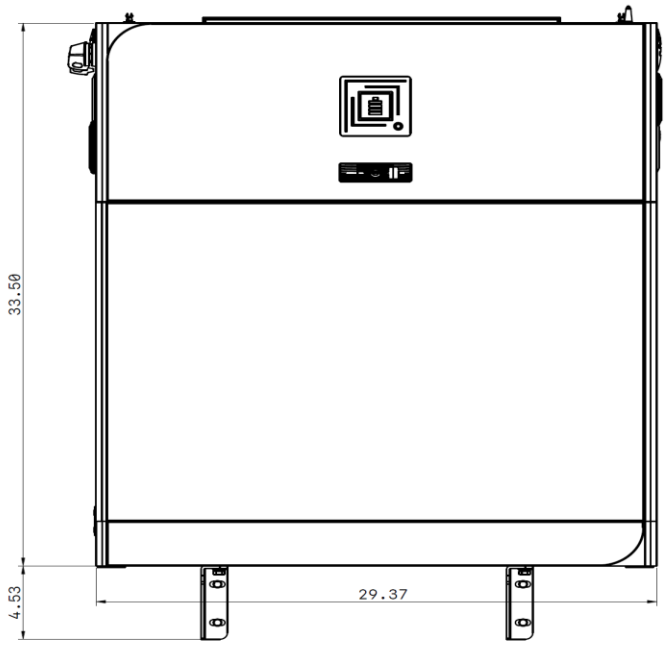
21.5in Max Distance

6. DIMENSIONS

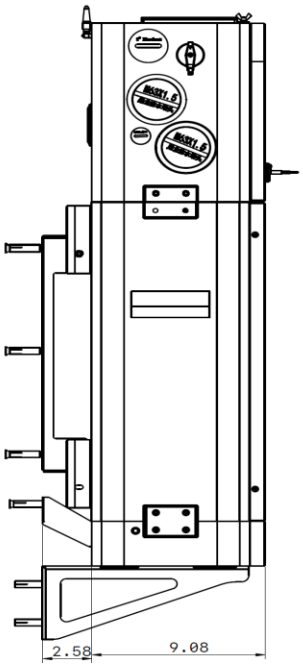
Do Not use Wall mounting kit for 3 battery vertical installation.

ONE BATTERY INSTALLATION DIMENSIONS (IN)

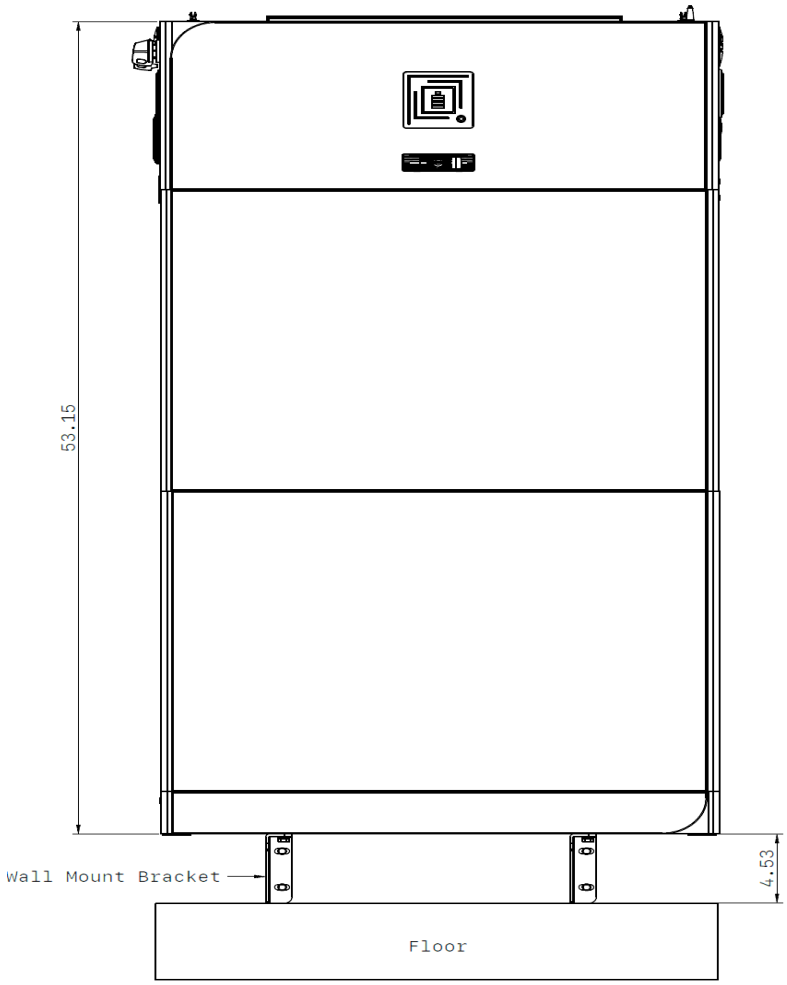
Front Side

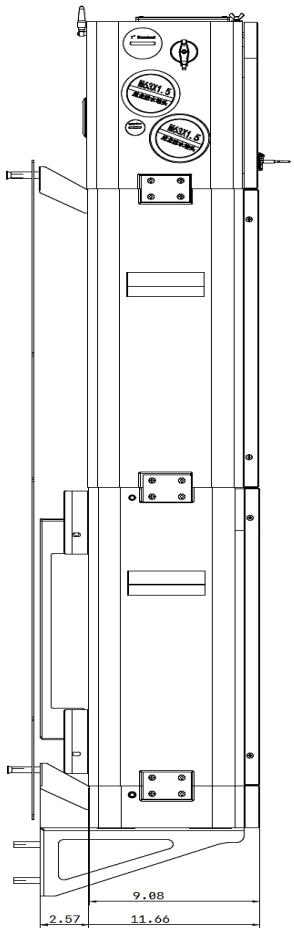


Left Side



TWO BATTERY INSTALLATION DIMENSIONS (IN)

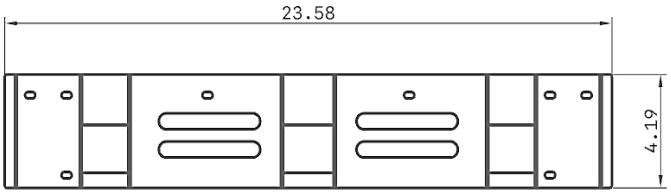




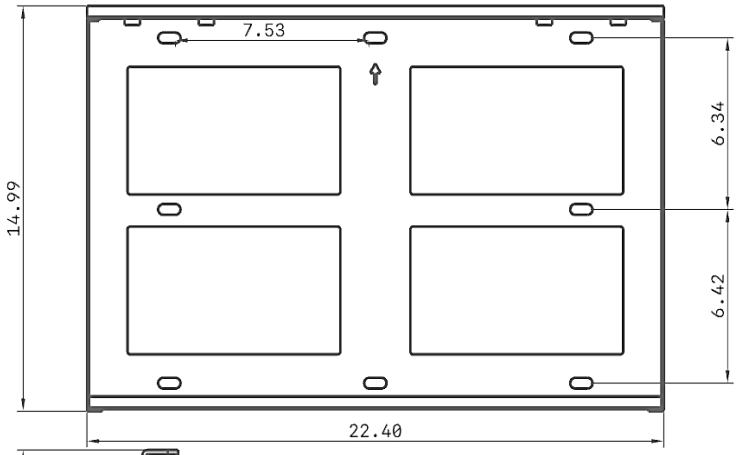
BRACKET KIT DIMENSIONS (IN)

Front Side

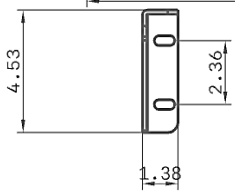
Wall Hanging Panel



Wall Rack



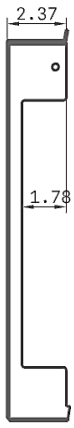
Shelf Bracket



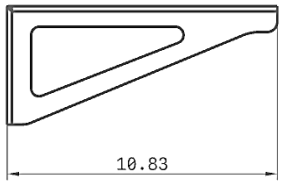
Left Side

Wall Hanging Panel

Wall Rack

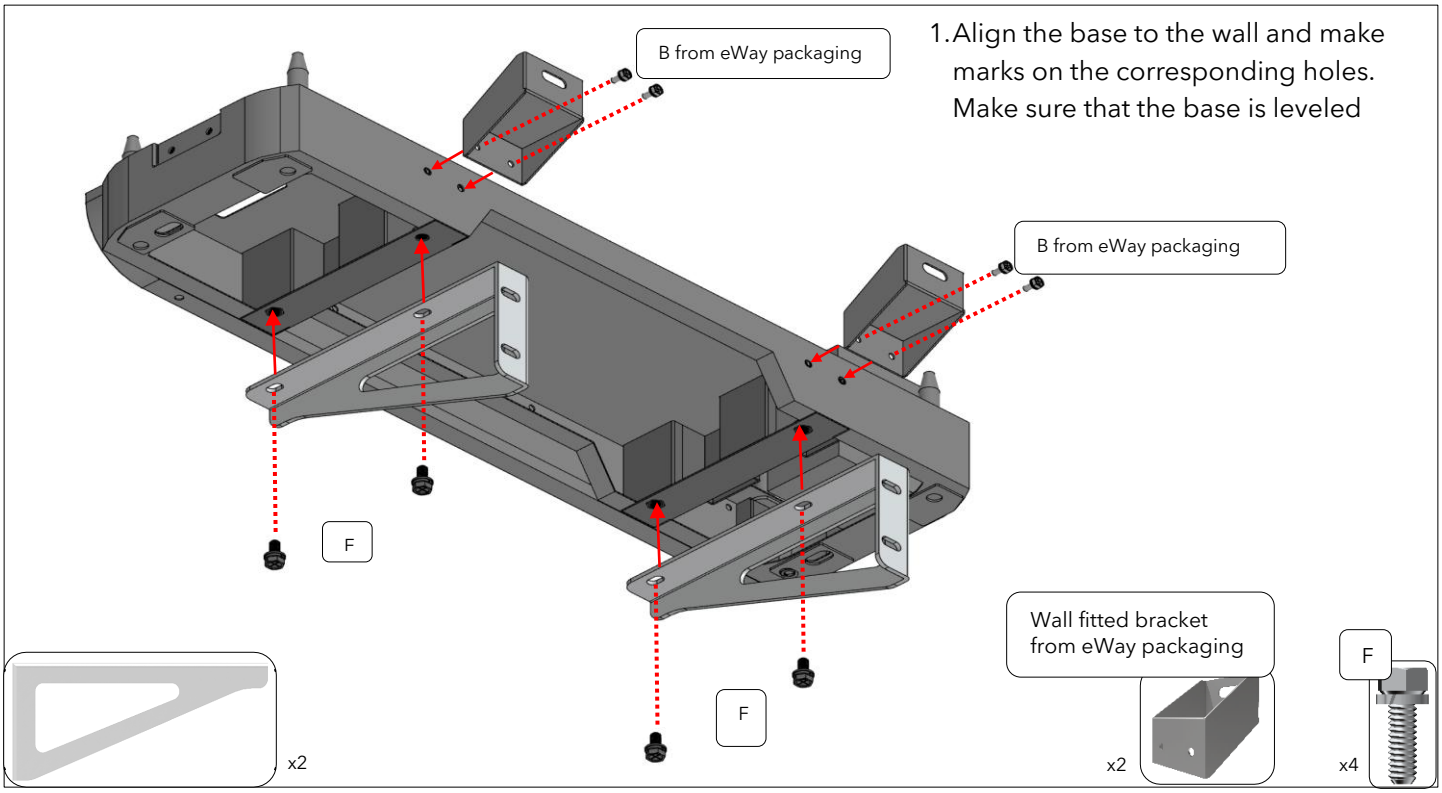


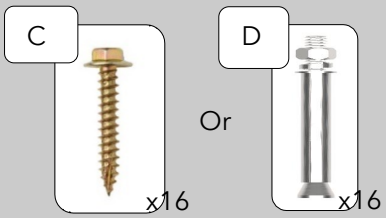
Shelf Bracket



7. Installation

1. Align the base to the wall and make marks on the corresponding holes. Make sure that the base is leveled

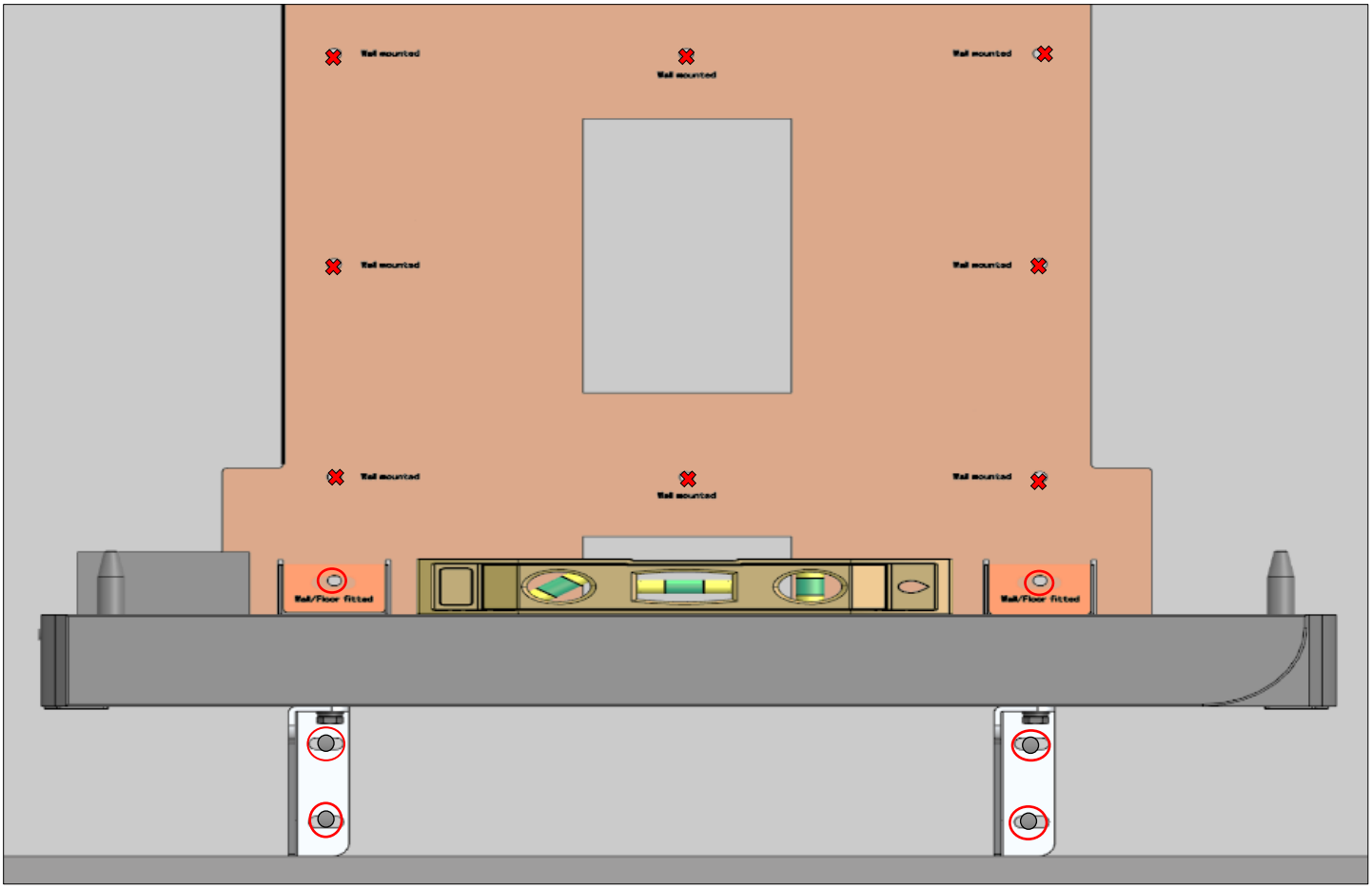




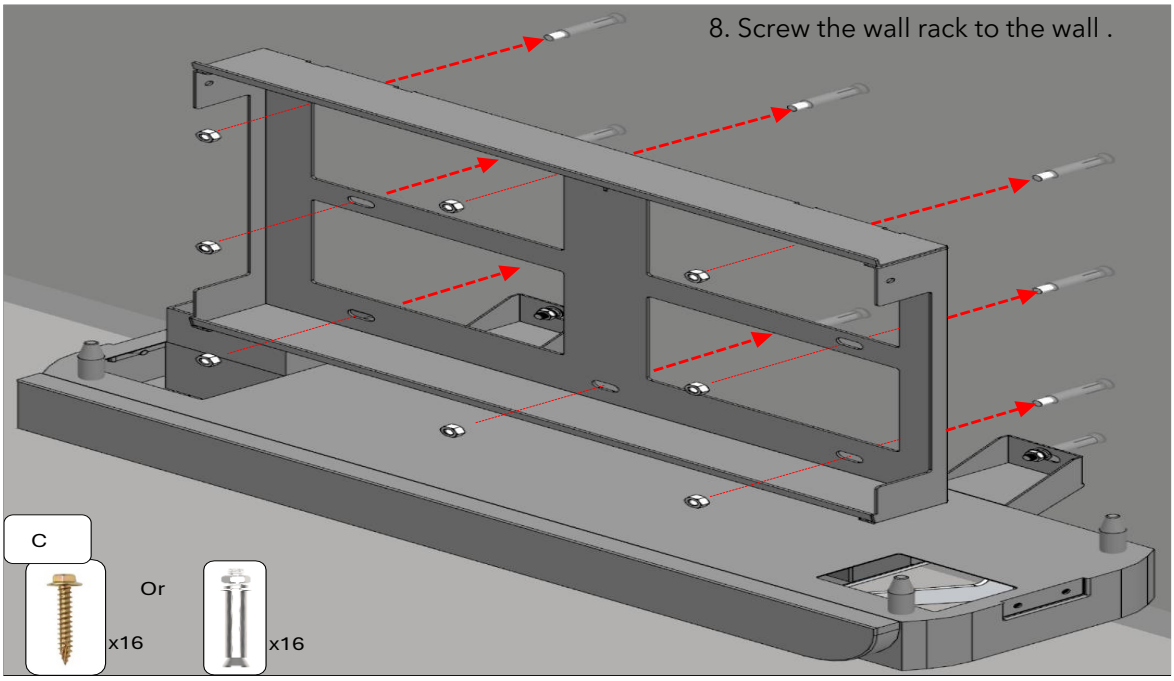
2. Align the base to the wall and make marks on the corresponding holes. Make sure that the base is leveled by using a spirit level.

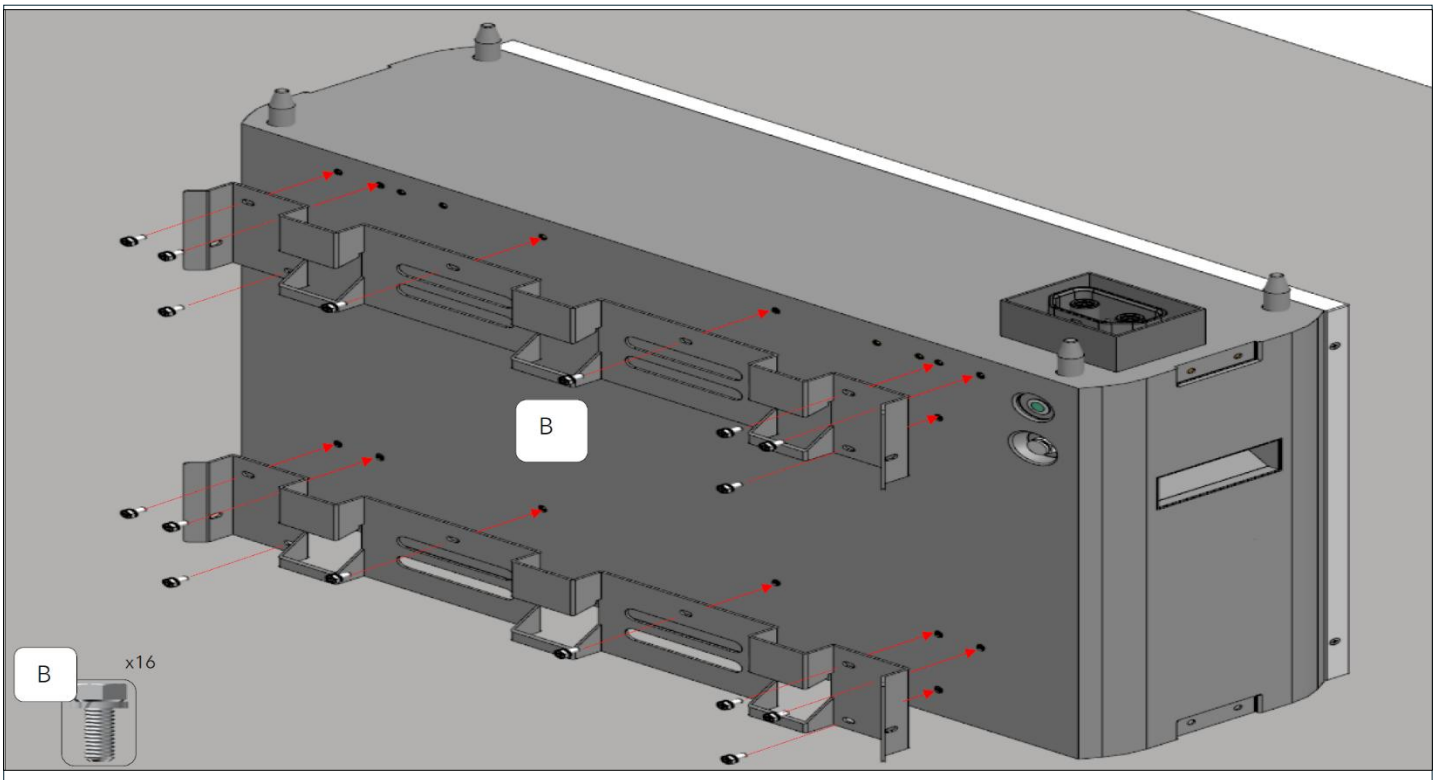
3. Drill marked holes, clear any debris and attach the shelf braket with the base.

4. Dependind on the wall material, use either the included anchors or the Wood Screws. **Do not attach the wall fitted brackets yet.**



5. Using the template included in the eWay, align the bottom holes pressed against inside the wall fitted bracket. Make sure the template is leveled and mark the holes labeled **WALL MOUNTED**.
6. Remove the template and drill the corresponding holes.
7. Screw the wall fitted brackets to the wall by using anchors or Wood screws.

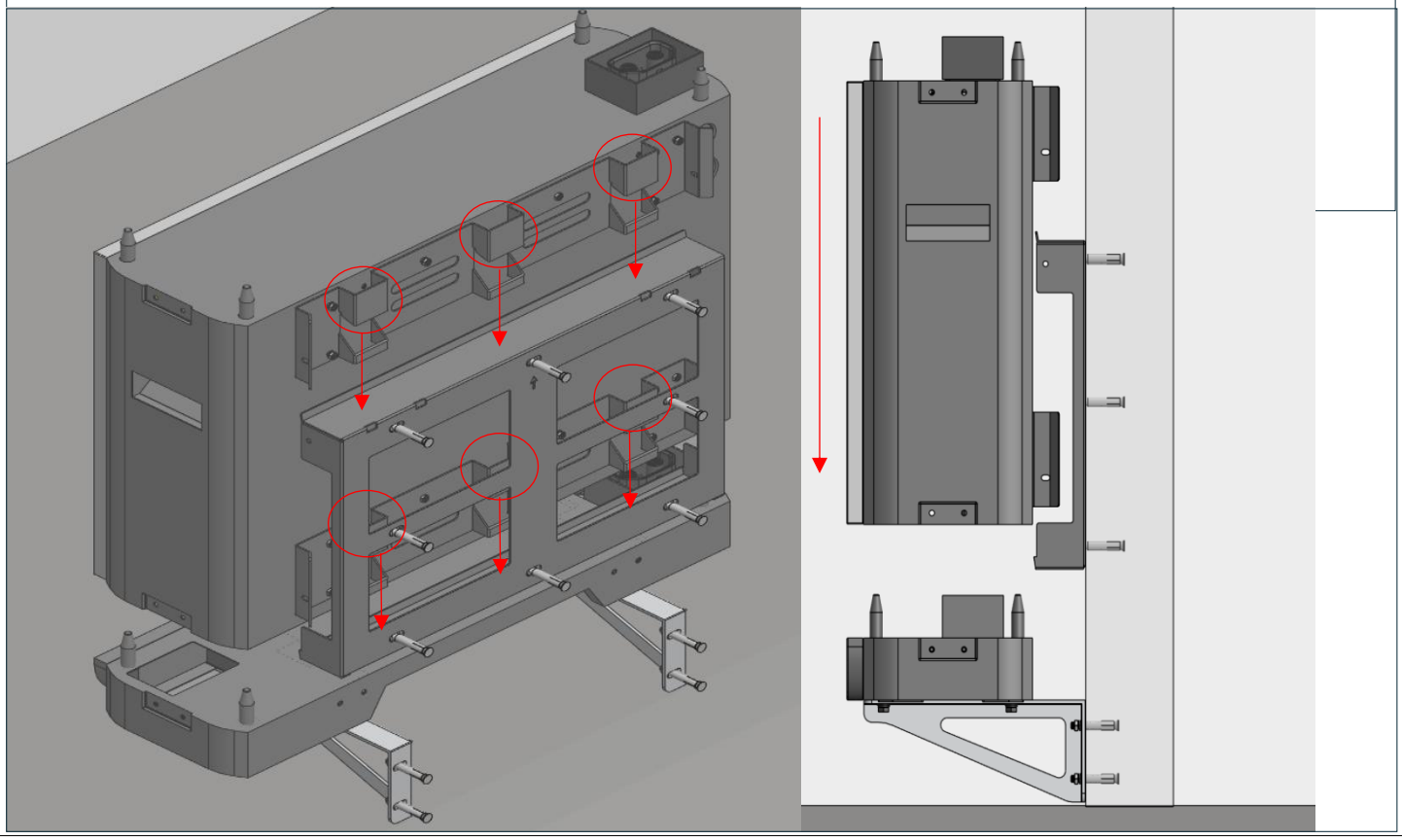




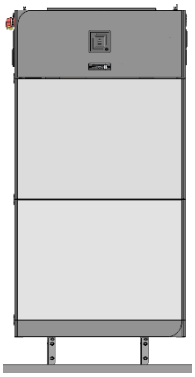
9. Screw the wall hanging panels to the back of the battery.

10. Using proper Team Lift or machinery, carefully lift the battery and hang on the wall rack. Battery bottom must be properly aligned with the bottom base.

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

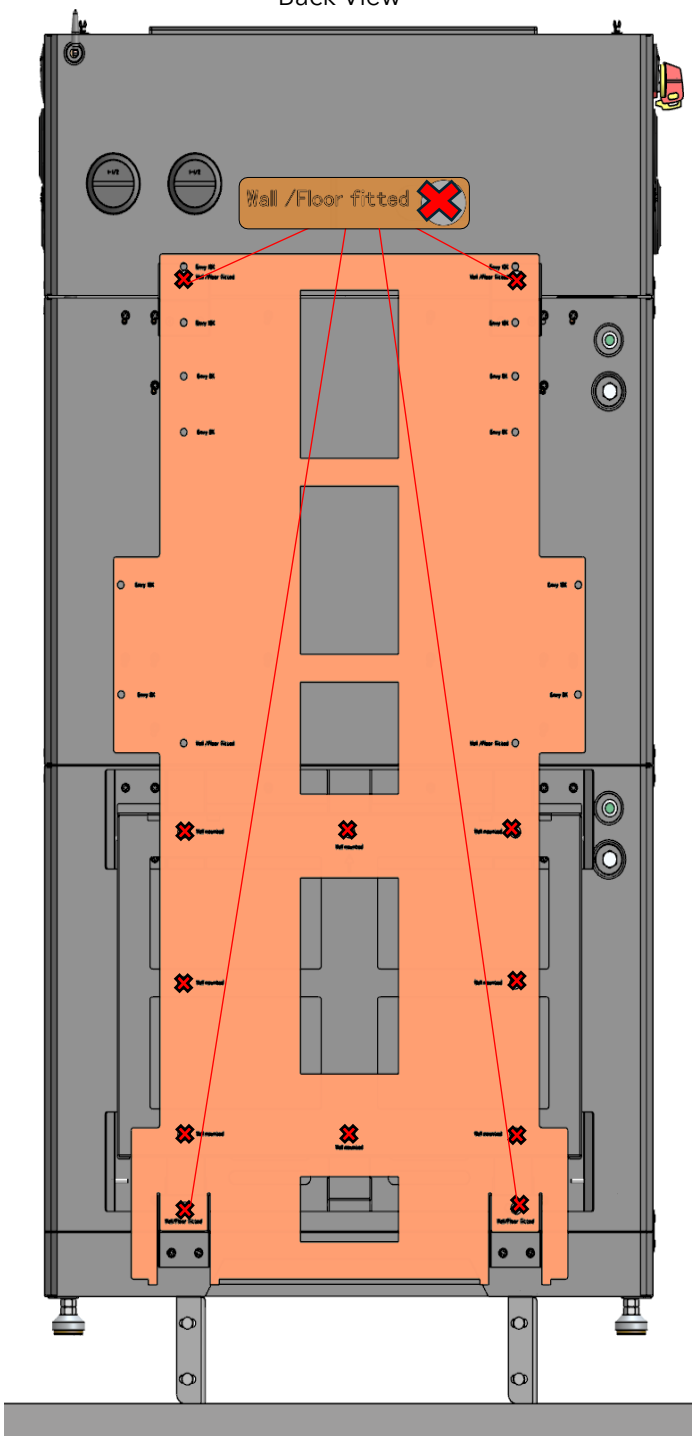


2.1 Option 1: Install 2 eForce batteries with eWay

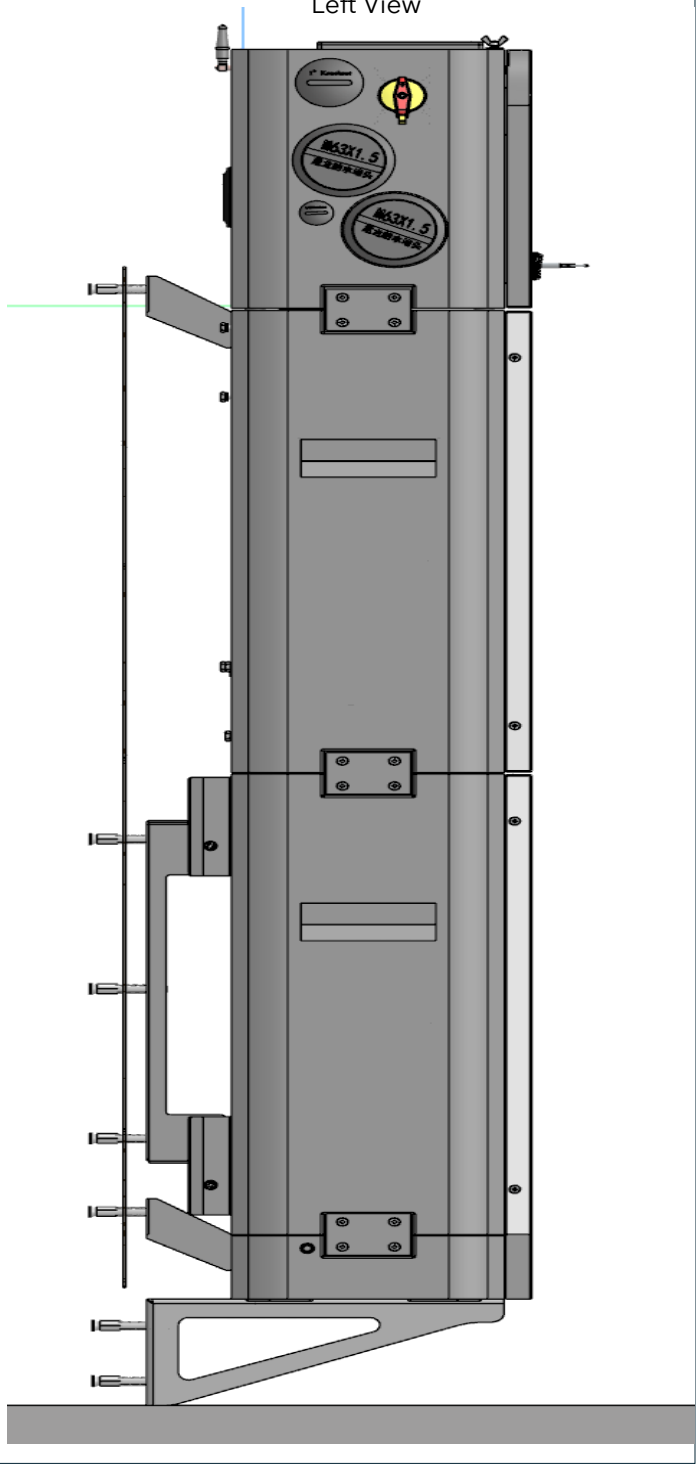


The images provided below illustrate the precise locations where holes should be marked, depending on the specific configuration of your system. It is essential to use only the template included with the eWay, as shown in the image below. Please note that the images also showcase installed components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

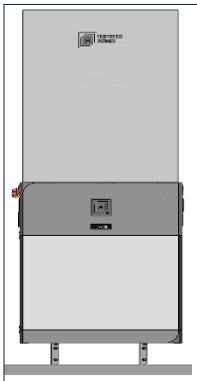
Back View



Left View

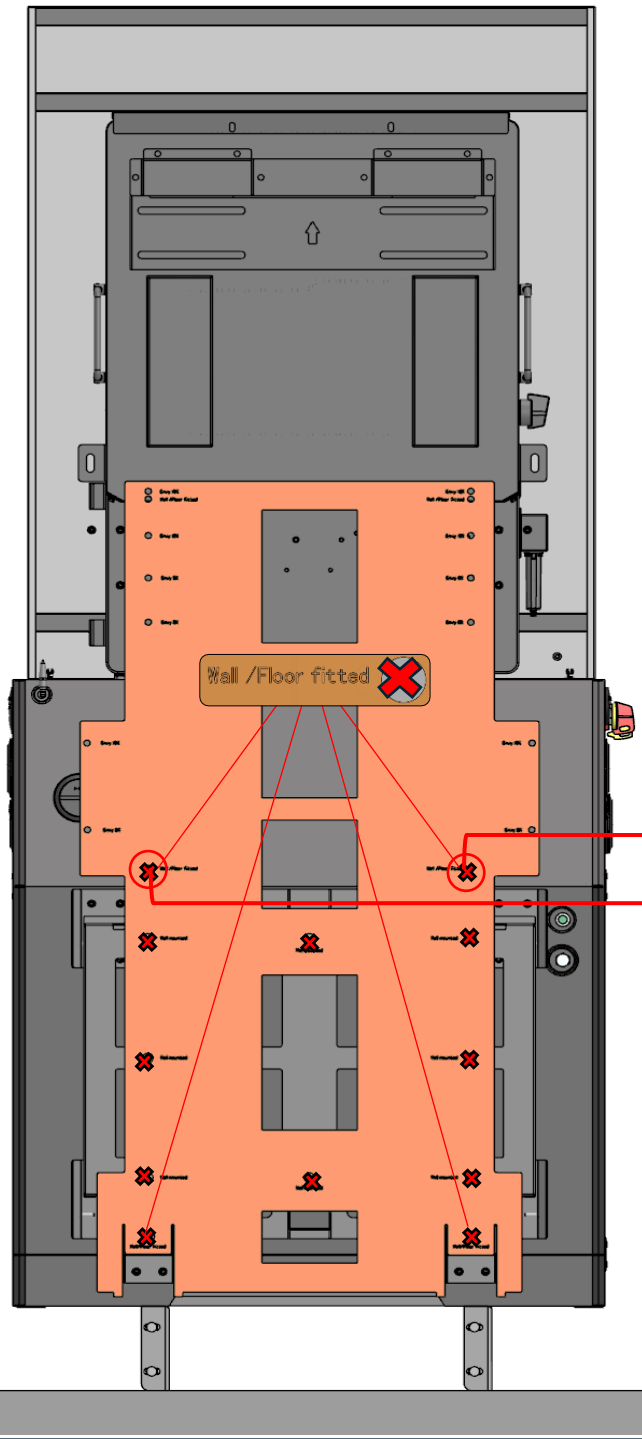


2.2 Option 2: Install 1 eForce batteries with eWay and Envy 8kW inverter

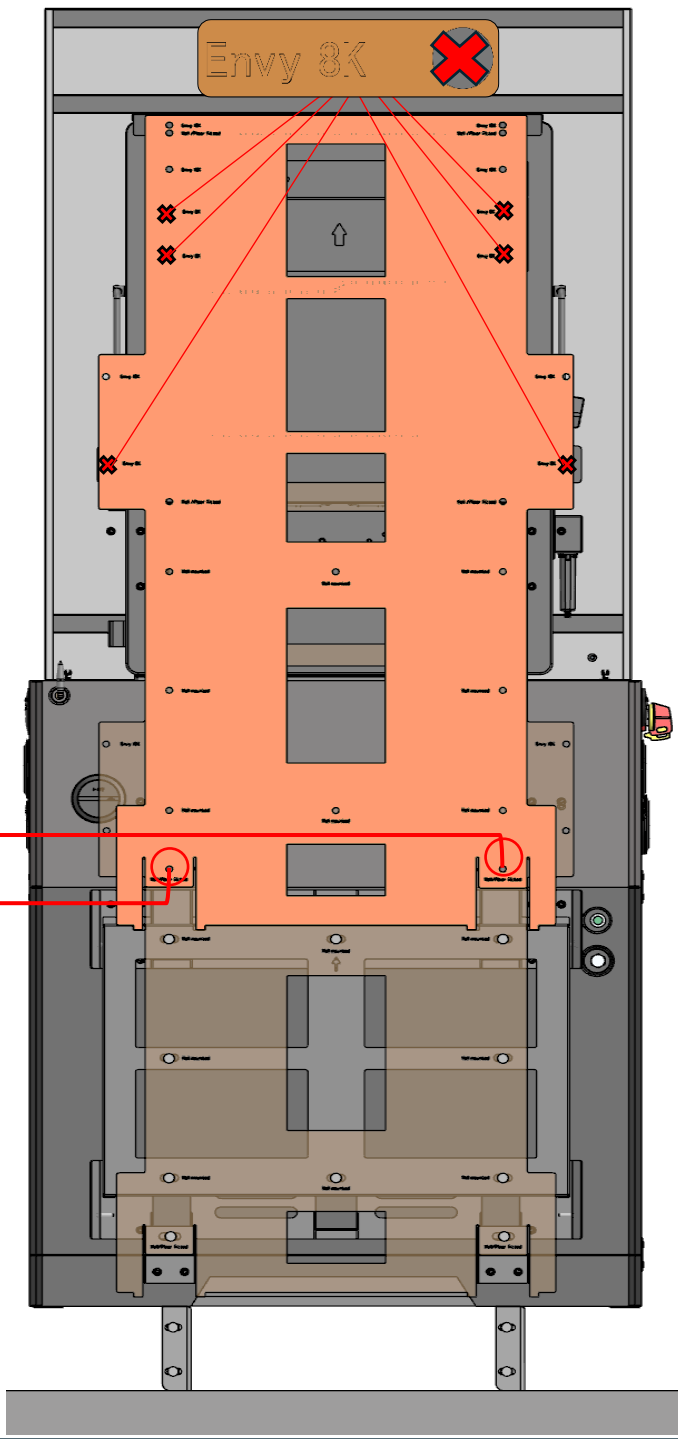


The images provided below illustrate the precise locations where holes should be marked, depending on the specific configuration of your system. It is essential to use only the template included with the eWay, as shown in the accompanying image. To ensure accurate placement, reuse the same template by 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.

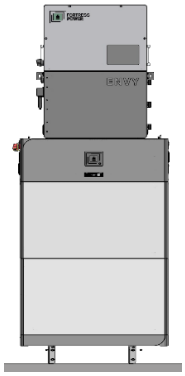
Back View



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.