



ChampionWall® Installation

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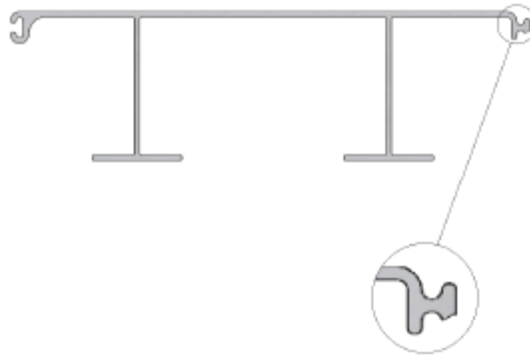


ChampionWall® Panels

PLEASE NOTE: There are no specific footing or support details shown; please refer to the plans and specifications. These installation notes are intended to be for reference only and refer more to general assembly and field fabricating of the ChampionWall product. Please rely on the project engineer for specific installation details and/or design recommendations.

ChampionWall FP475 Panel

- A. Weight: ~8 lbs./ft
- B. Width: 24'
- C. Depth: 7"

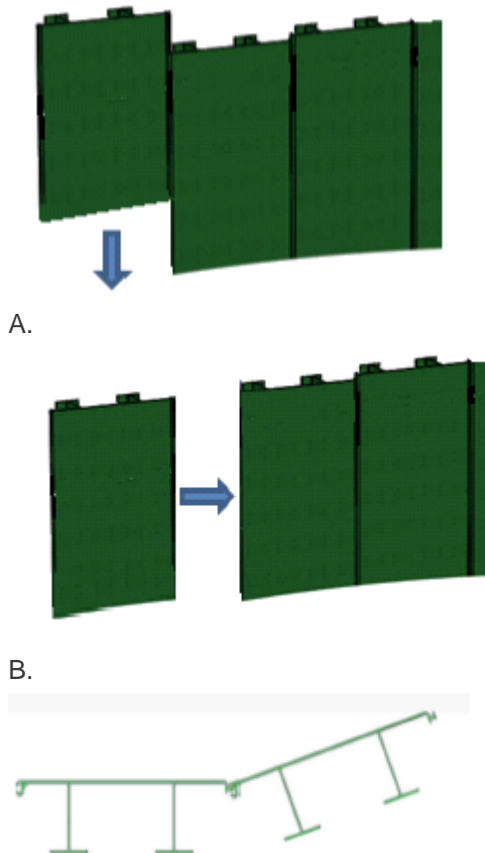


Connection Methods

- A. Slide Together
- B. Twist Lock

Sheets can be cut with standard woodworking tools. Reciprocating saws and drills are most commonly used to modify sheets if necessary.

Sheets are easily cut, drilled through, and drilled into.



ChampionWall® Typical Construction Materials & Practices

1. Design. ChampionWall is intended to function as part of a permanent and engineered system. Drainage can be impacted, and heavy wind loads generated. Always consult an engineer to determine the appropriate wall heights, embedments, and peripheral requirements based on the soil conditions, wind loads, and drainage requirements for the project.

2. Foundation & Drainage ChampionWall is typically installed by ripping a trench with a narrow bucket mounted to a mini-escavator. The trench is then typically filled with a lean mix of 2,000 psi concrete or stronger. Embedment depths, trench widths, and minimum concrete strength should be executed per engineered plans.

Drainage should be addressed to ensure that water is adequately after installation. This is typically handled through small grate boxes run through the back of the wall, and/or sub-surface flat panel or pipe drains, but is not always necessary. Drainage should be adequately tied into larger water management system.

3. Erection & Concrete

Temporary bracing is often beneficial in expediting install and ensuring a plumb wall. Many installers place the interlocked sheets in the trench, bracing them with light framing/stakes prior to concrete pour.

A pump truck aids greatly in the pouring of the concrete as it allows from easy application to both sides of the wall.

Many installers will loosen the bracing just ahead of the concrete, make micro adjustments to compensate for any differential concrete pressure, relevel, and reattach the bracing for the concrete to set up.

Staying on top of the weather can be critical. It is important to move quickly from trench to fill and during good weather windows. Wind and rain can cause many difficulties for semi-braced sheets and open trenches.

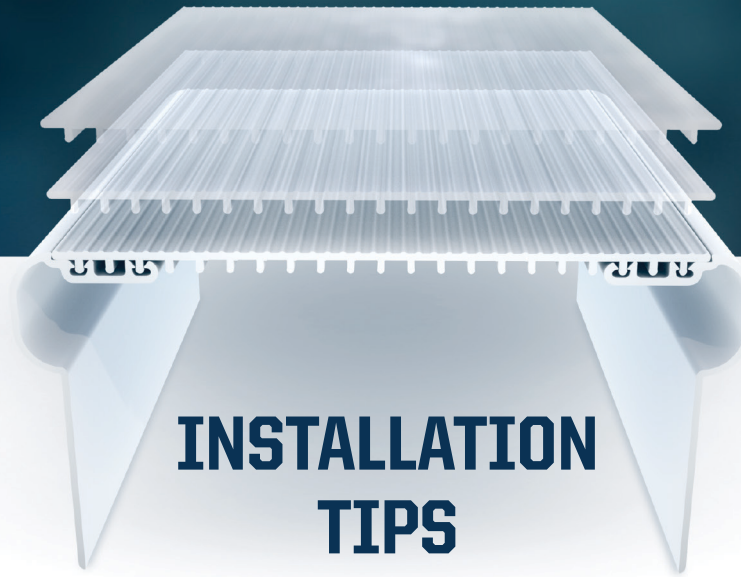










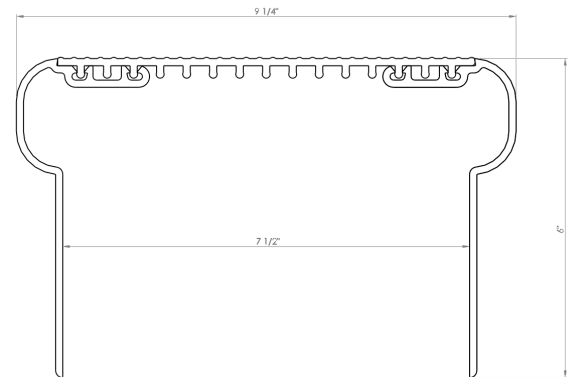


INSTALLATION TIPS

CHAMPIONWALL

▲ READ COMPLETELY BEFORE STARTING.

- Ensure you have all of your parts, tools and other materials.
- These tips require the installer to have carpentry skills.
- There are many ways to cap a wall. VersaCap can be customized to meet most scenarios.
- ChampionWall VersaCap comes 1/2" oversized as standard to accommodate imperfect construction and up to a 600' diameter arc. For wider or narrower caps, contact your local representative.



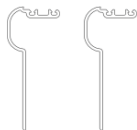
MATERIALS

INCLUDED

Center - 10':



Sides (x2) - 10':



Screws (x10):



Spacers (x10):



VersaCap Expansion
Joint Cover:



SUGGESTED

Philips Head Screw Driver



Drill + 5/16" Bit



Measuring Device



Rubber Mallet



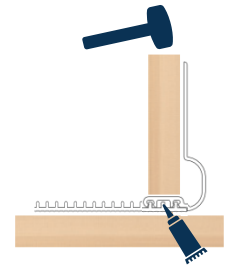
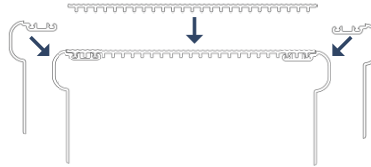
OPTIONAL

Construction Adhesive



01. Assemble Cap:

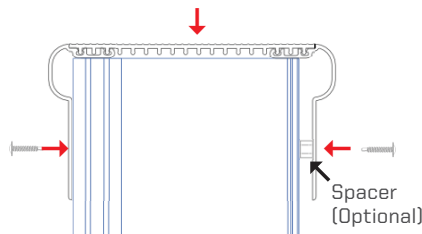
- The top and side pieces are designed to permanently snap-fit together.
- DO NOT STAGGER CENTER & SIDE PIECES**
Ensure that the top and side sections are flush and snap the 3 pieces together.
- A hard surface, blocking, and rubber hammer are recommended for clean and secure snap-fit.
- Under particularly abrasive/restrictive conditions or large temperature swings, outdoor construction adhesive in the joint is recommended.



Outdoor Construction Adhesive (Optional)

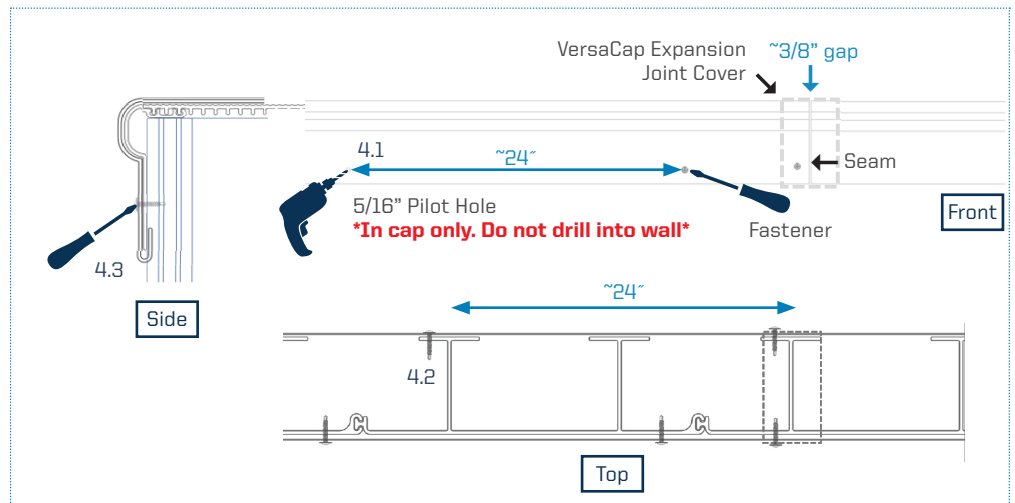
02. Place & Secure Cap:

- Offset the cap such that the entire run is straight and level, then secure cap at the desired location to the wall.
- Spacers are provided to span any small gaps between cap and Panel.
- Vinyl can expand and contract in large temperature swings. Leave a $\sim 1/4$ " gap between each 10' cap section installed at room temperature.



~5/16" OVERSIZED HOLES SHOULD BE DRILLED INTO THE CAP *ONLY*

- so fasteners are spaced on $\sim 2'$ centers, staggered on each side, in contact with an adjacent sheet flange. [2.1]
- Once the cap has been pre-drilled and placed in its final, straight and level position, install provided fasteners to secure cap. [2.2]
- Secure expansion joint cover with a screw on each side, attached to one cap section only. Do not connect to adjacent cap section for freedom of expansion/contraction. [2.3]



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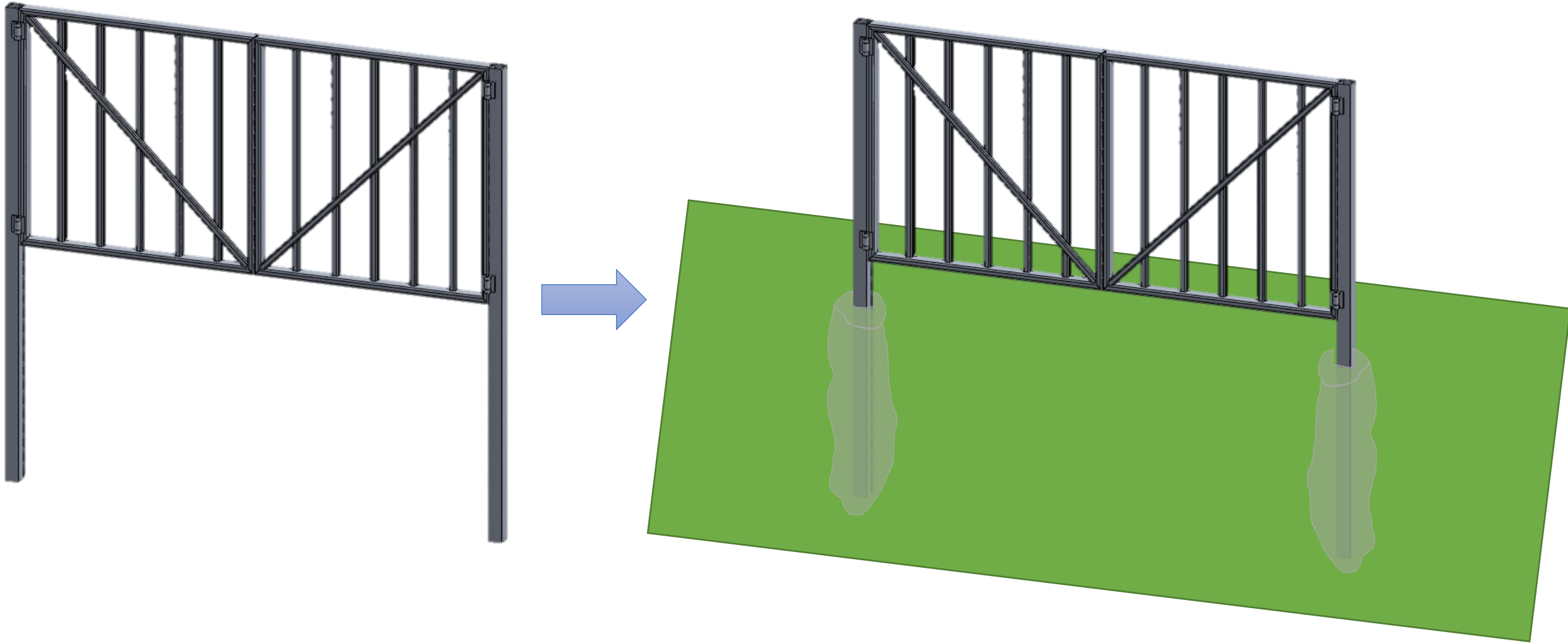
Gate Installation (Optional)



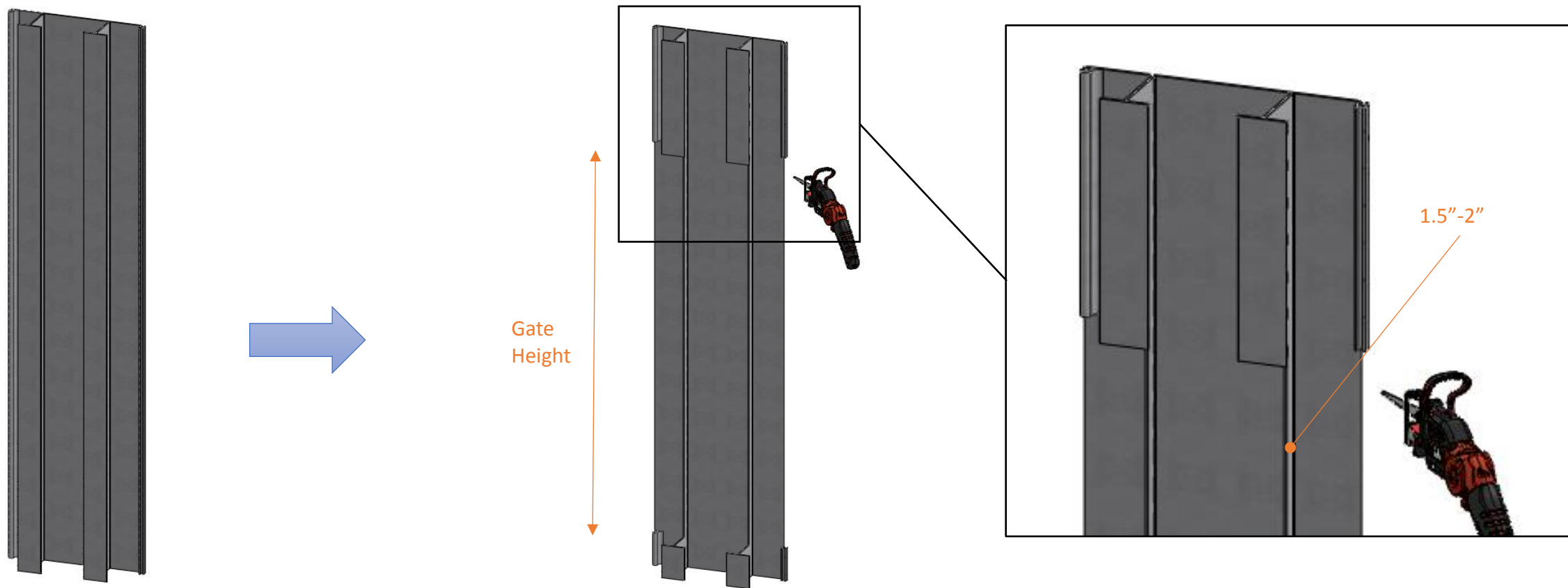
SportsEdge®

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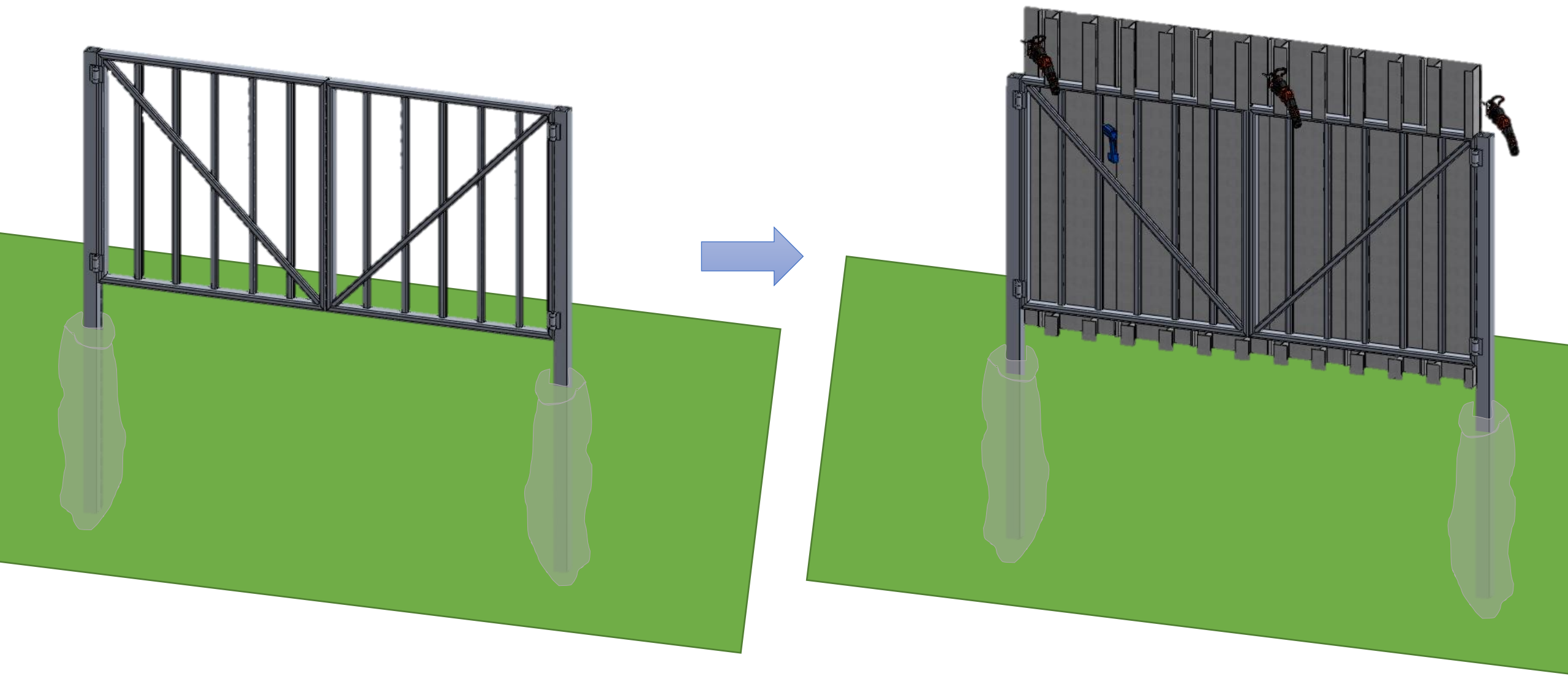
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- Set Gate Posts sufficiently into the ground and secure with concrete



- Notch out the ChampionWall legs to fully recess the gate frame while leaving 1.5"-2" leg tabs intact for attachment to gate vertical members.



- Trim ChampionWall sides and center to fit. ChampionWall Panels should interlock within each Gate Section and leg tabs should align with an outside face of Gate vertical members.
- Align remaining leg sections and attach to Gate vertical members with lag screws at top, bottom, and 2' centers.

