



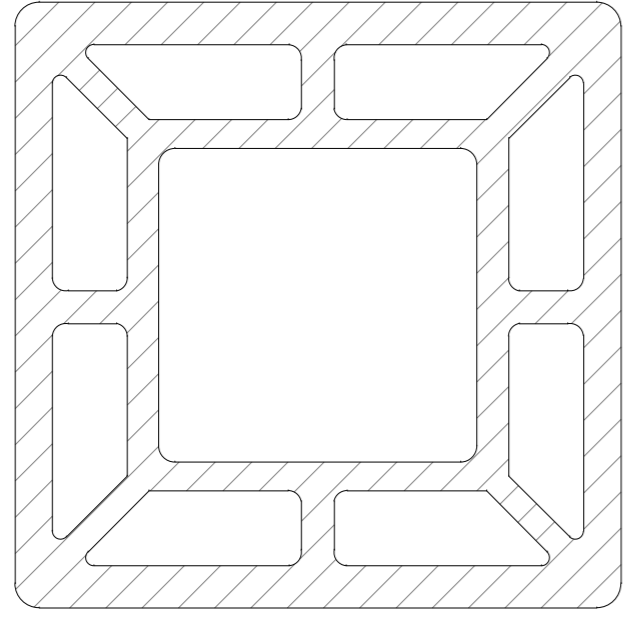
## EVERWOOD WPC-Railing



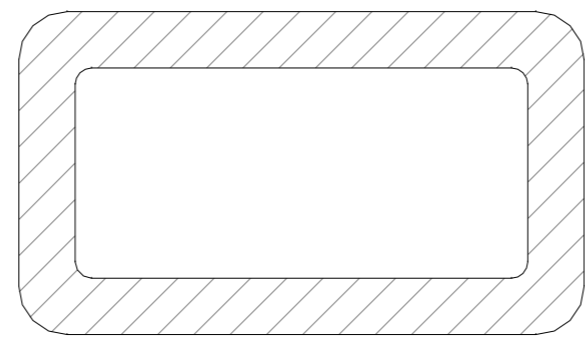
Installation Guide

**EVERWOOD**<sup>®</sup>  
EVERLASTING IMPRESSIONS

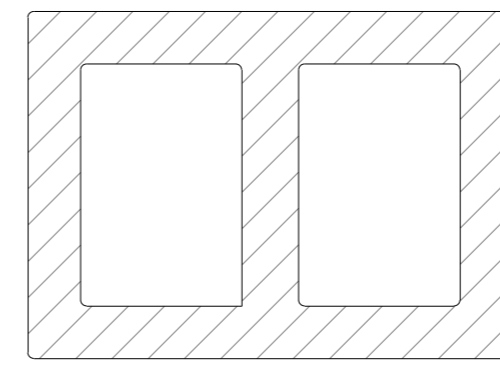
## RAILING PROFILES



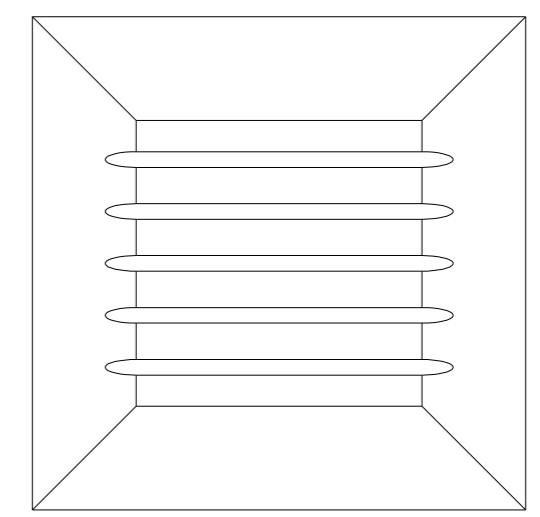
FLEXON  
EWD75X75



FLEXON  
EWD70X40

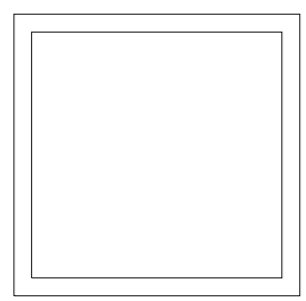


FLEXON  
EWD60X42



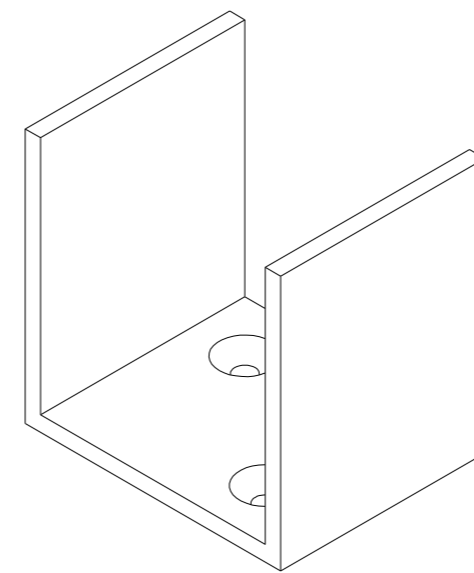
END CAP  
EWD95X95

## RAILING MS TUBE

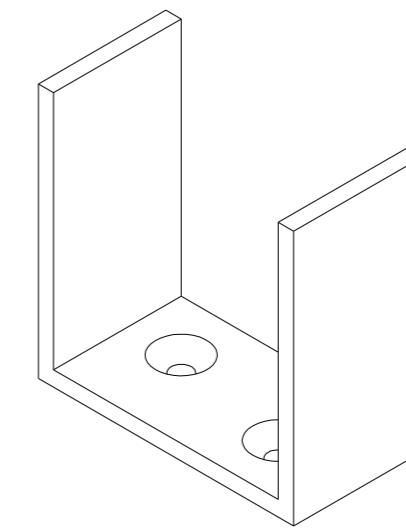


MS TUBE  
38X38X2.5MM TKH

## RAILING CLIPS

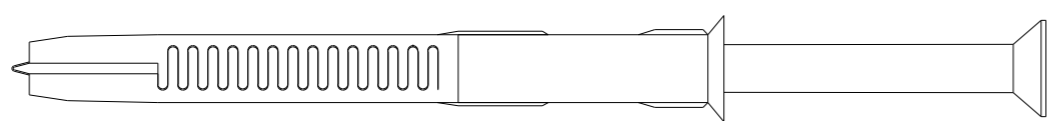


EWDRC2

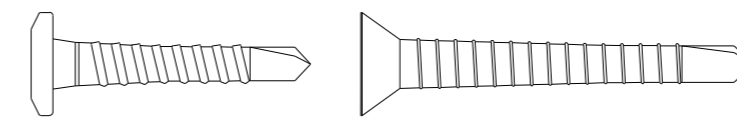


EWDRC3

## RAILING ACCESSORIES

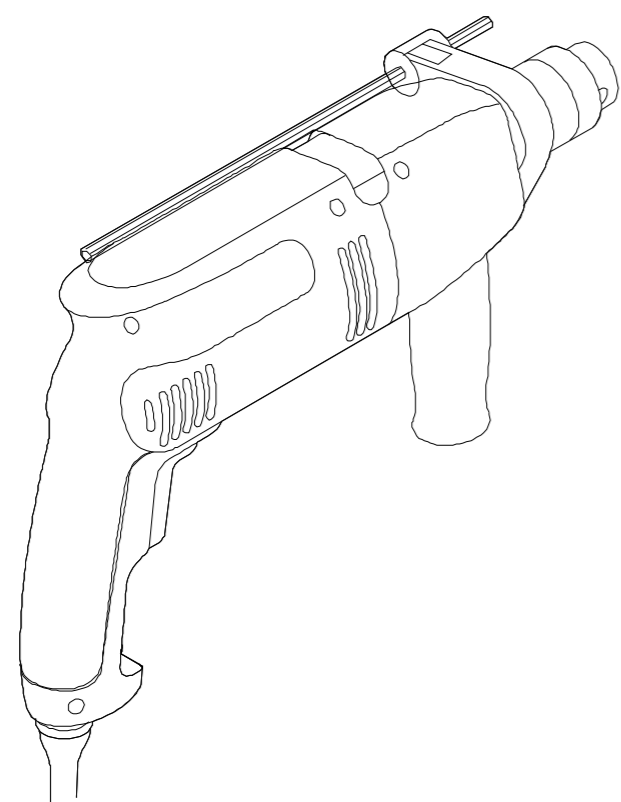


FISCHER - SXR10/80

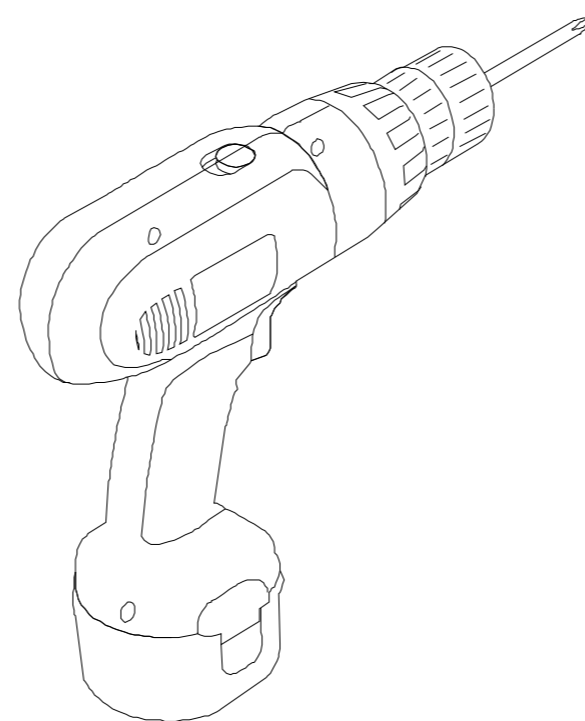


CORROSHIELD SCREWS  
10X25 WH / 10X38 CSK

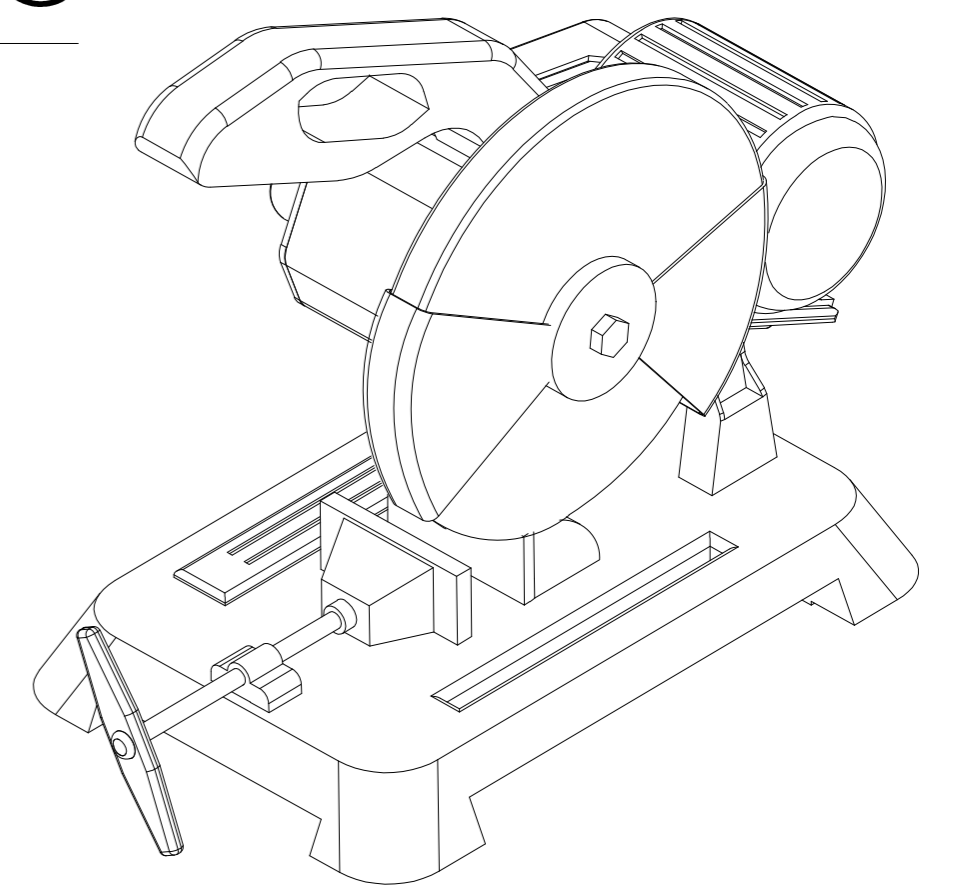
## TOOLS AND SAFETY EQUIPMENTS



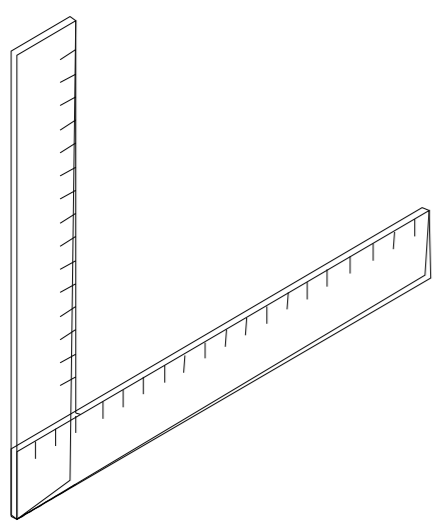
HEAVY DUTY  
HAMMER DRILL



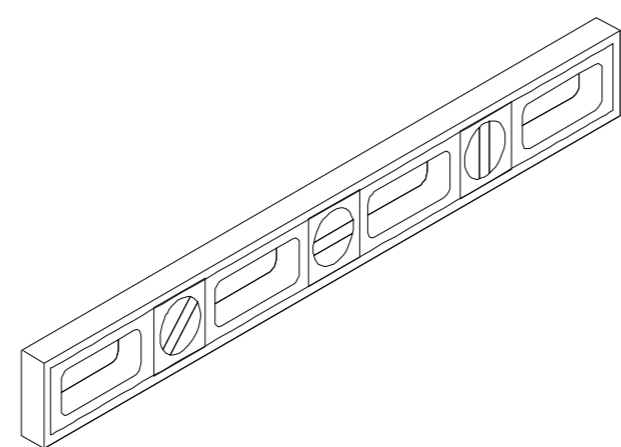
CORDLESS DRILL



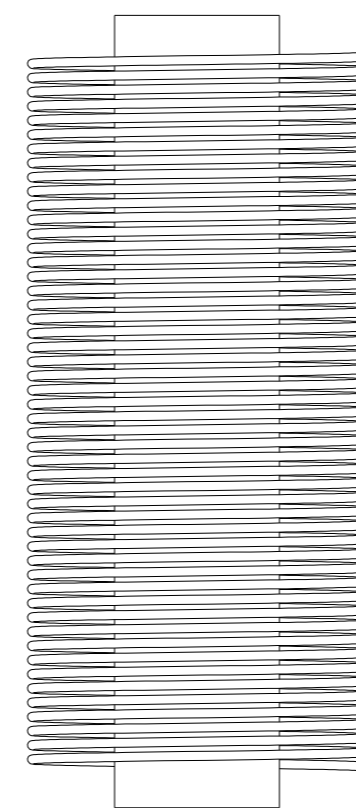
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SAW



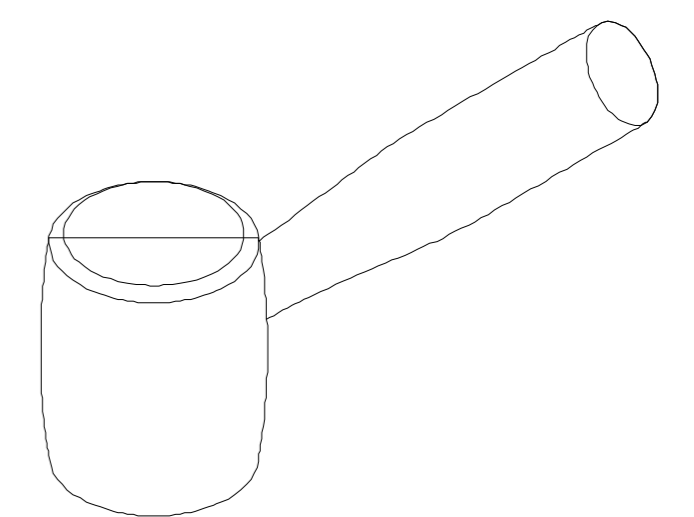
L-SQUARE



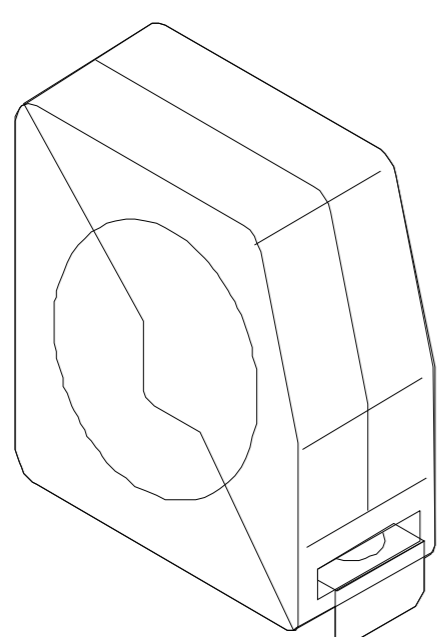
SPIRIT LEVEL



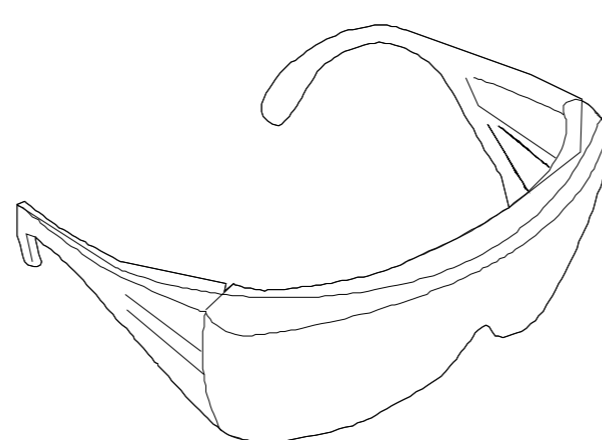
LINE THREAD



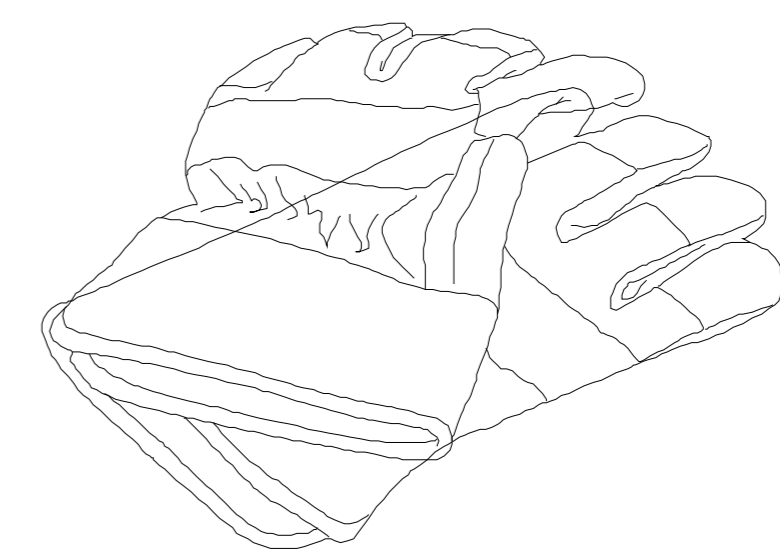
RUBBER  
HAMMER



TAPE MEASURE



SAFETY GOGGLES



SAFETY GLOVES

# GENERAL INSTALLATION INSTRUCTIONS

Key points to be followed before and during the installation process:

1. Store the Everwood WPC material in a clean area on a flat surface with support for the entire plank. Do not provide intermediate support that can lead to the profiles bending. Planks should not be stored in direct sunlight and not in the proximity of fuels other flammable materials or electrical main boxes.
2. Before Installation, please carefully check the material notifying any damage, manufacturing defects, extreme colour variations, etc. Complaints will not be accepted once profiles are cut, sized or after installation.
3. Please always check you project / shop drawings in respect to site conditions, to verify that the received material is adequate to complete the project undertaken.
4. It is recommended to acclimatize the material to the site temperature for at least 48 hours before installation. Recommended site temperature at the time of installation should be above 20°C degrees.
5. Everwood WPC profiles should be handled with care to prevent any damage before or during the installation. Profiles should be lifted along their whole length and not slid on each other, which may cause scratches. Use clean hands free from dirt, oil or grease while handling Everwood WPC profiles.
6. Everwood WPC profiles contain a majority of wood content and therefore are susceptible to expansion both in linear & lateral directions. Dimensional shrinkage and expansion is an inherent characteristic of wood composites, and it is therefore highly recommended that the profiles are not installed other than as specified. The linear thermal expansion of Everwood WPC profiles is 1.00 mm dimensional change per meter for every 10° C degrees increase or decrease in temperature. Please ensure to leave adequate expansion gaps for thermal dimensional changes.
7. Please ensure other mechanical, civil, landscape work carried out near your Everwood WPC installation does not accumulate any dirt, dust or other debris on or between the profiles. Do not use adhesives, stickers or other material that will stain and immediately remove paint, concrete or other residues immediately.
8. Please visit [www.everwoodwpc.com](http://www.everwoodwpc.com) for care and maintenance instruction of your Everwood WPC profiles and installations.
9. Everwood WPC warranty will be rendered null and void as a result of improper handling incorrect installation or wrong use of the product. Please ask for our warranty terms if required to better understand the limitations of the warranty.
10. WARNING: It is to be noted that failure to strictly comply with all criteria of recommended expansion gaps, spans, fixed / floating points for application of Everwood profiles can cause misalignment of joints and even deformation of the profiles itself.

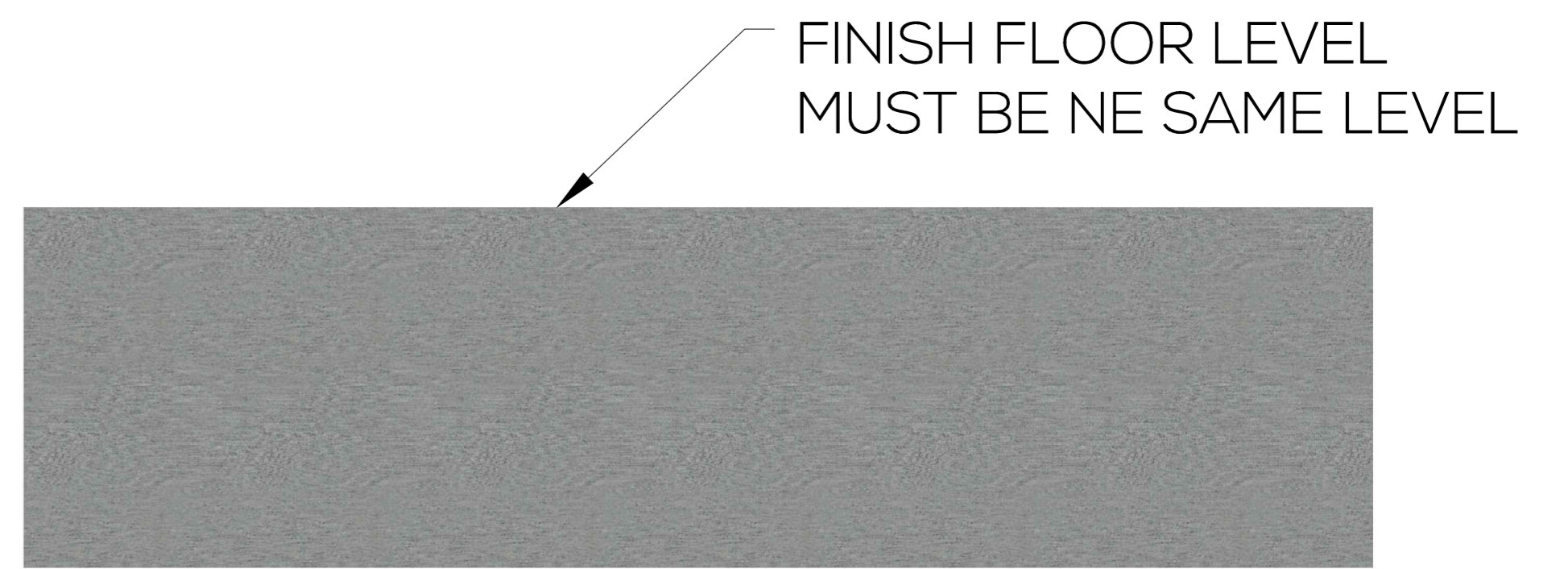
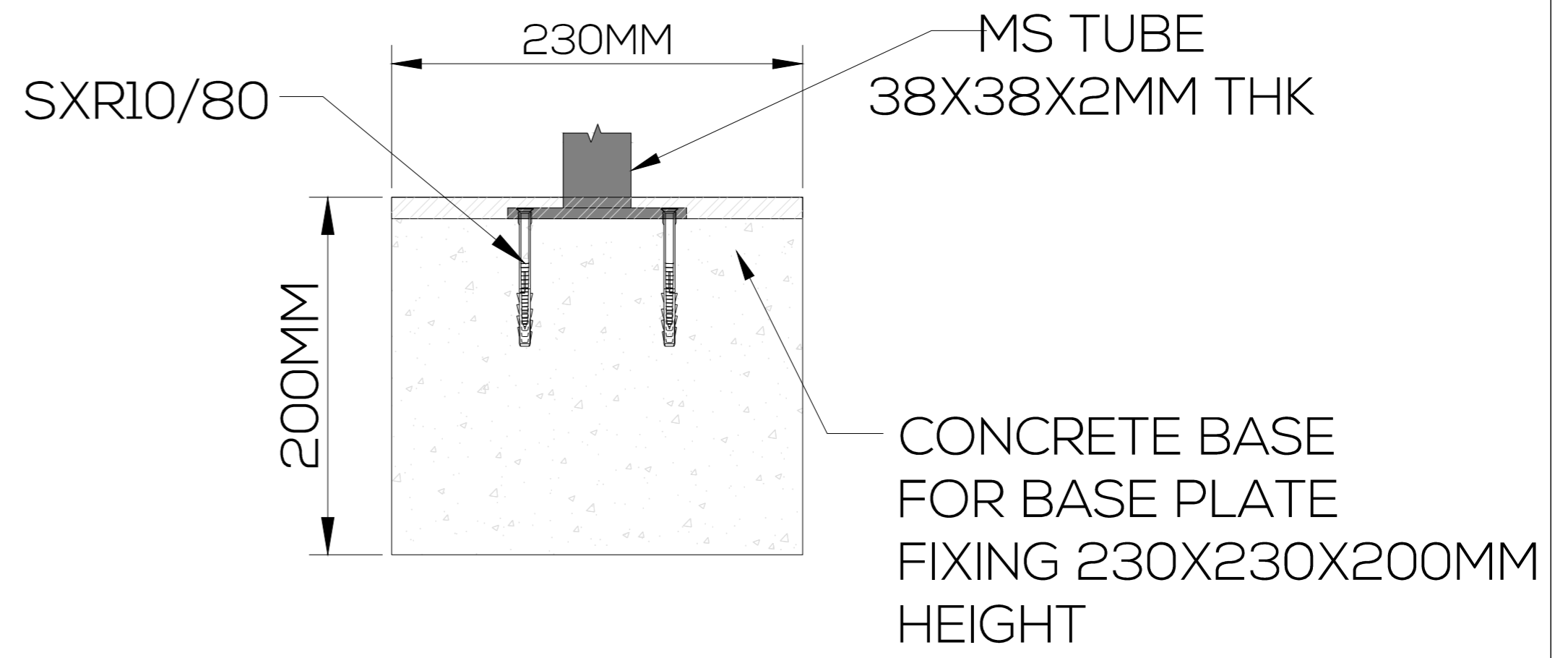
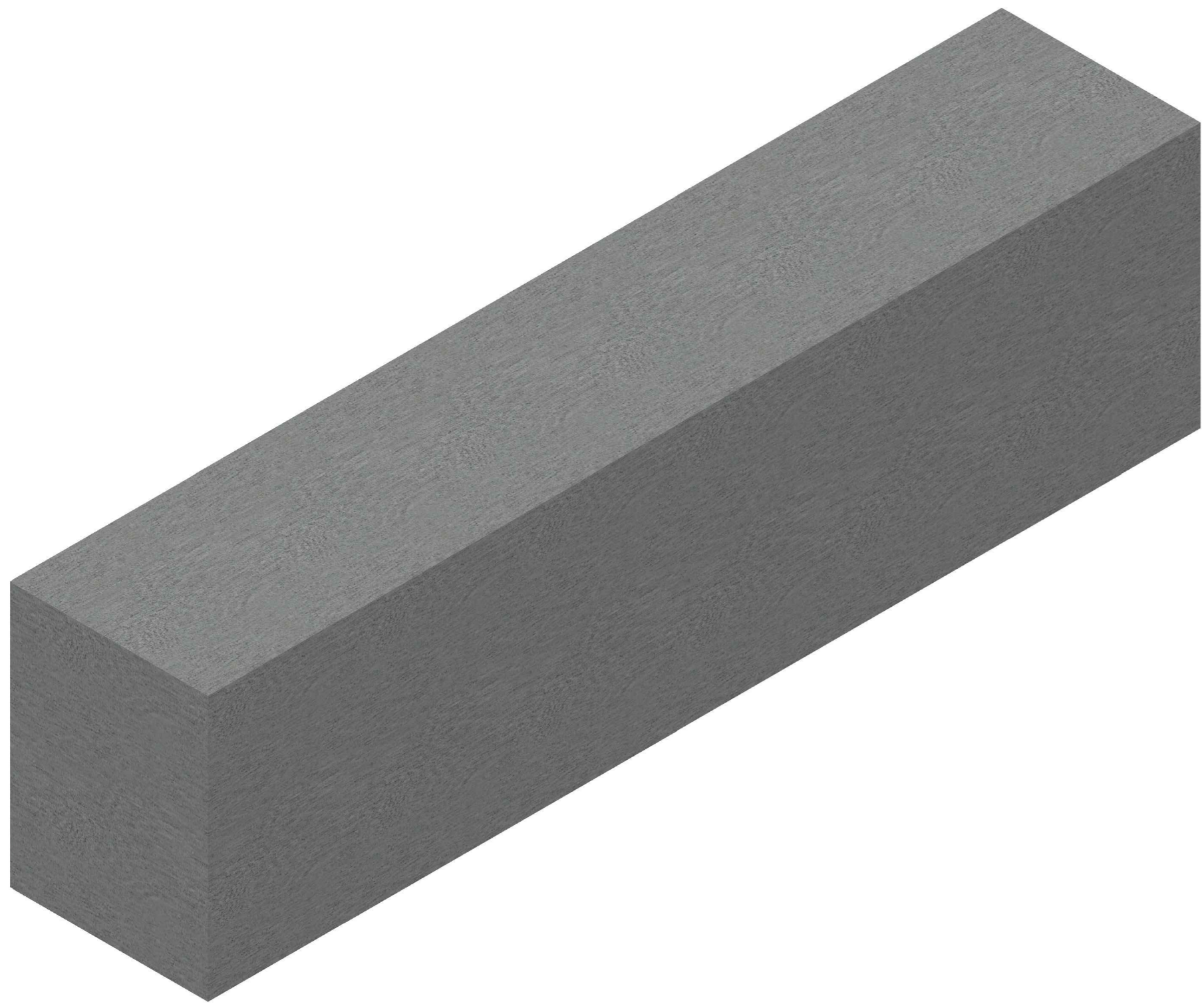
## IMPORTANT NOTES

To ensure that you get the best out of using Everwood wpc products, it is highly recommended to use only the highest quality / grade of fittings & fixtures while installing our products. Everwood only specifies industry leading brands of other components as specified below:

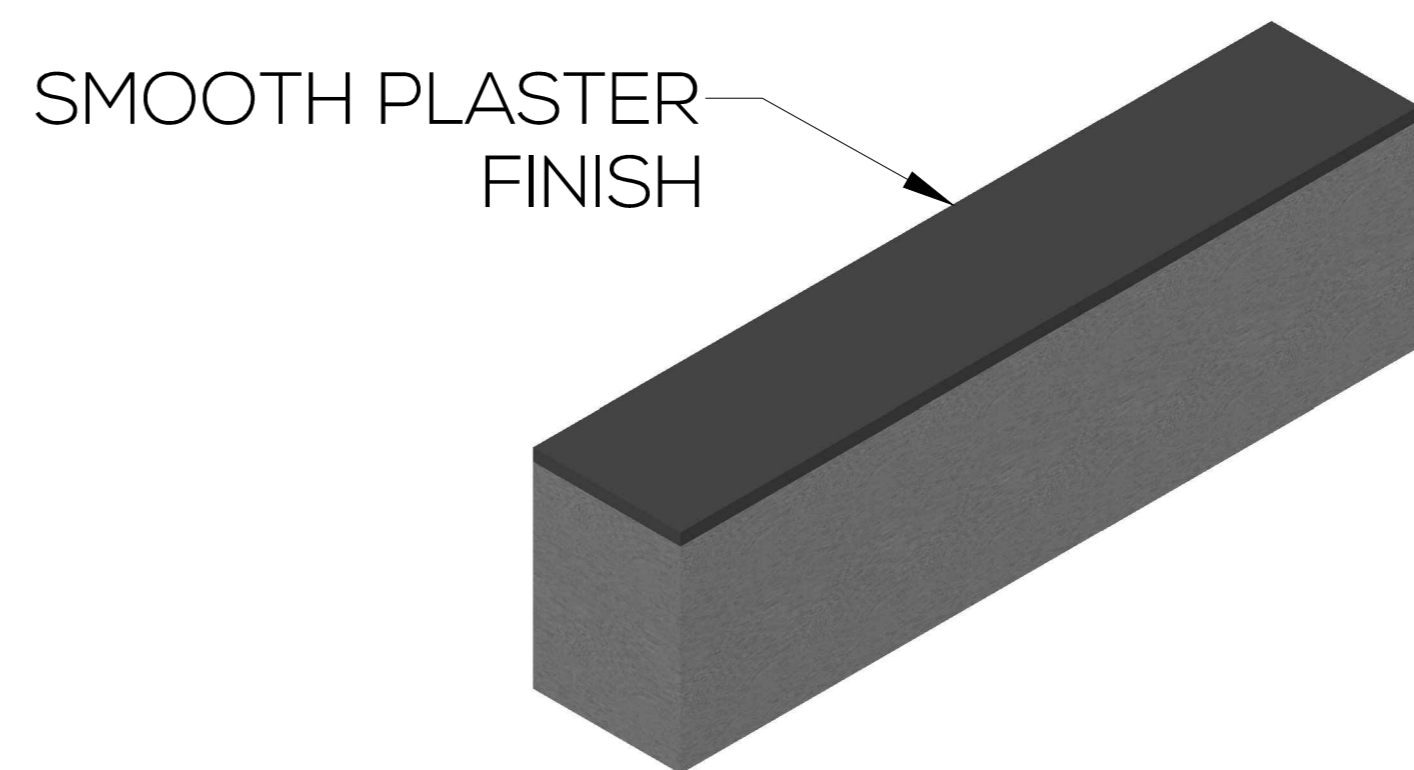
1. Aluminium : Virgin extruded T5 / T6 hardness
2. Fixtures : Everwood specified SS304 / pa grade clips and fixtures or anti-corrosive aluminum fixtures
3. Fasteners : Bosch / fischer / equivalent brands of anti-corrosive expansion anchors & fasteners.
4. Screws : Corrosheild or equivalent countersunk, waferhead anti-corrosive screws please note that warranty of installations does not hold valid if deviations are made from installation material specifications as outlined by Eeverwood wpc
5. Mild steel : All ms tube or other sections used for Everwood wpc profiles including for pergolas & fins re-inforcement inserts and fixtures are to be of isi grade steel, mandatorily treated with 2 coats of pu anti-corrosive primer and 2 coats of pu paint (only for exposed use).

# SITE PREPARATION DETAIL

1

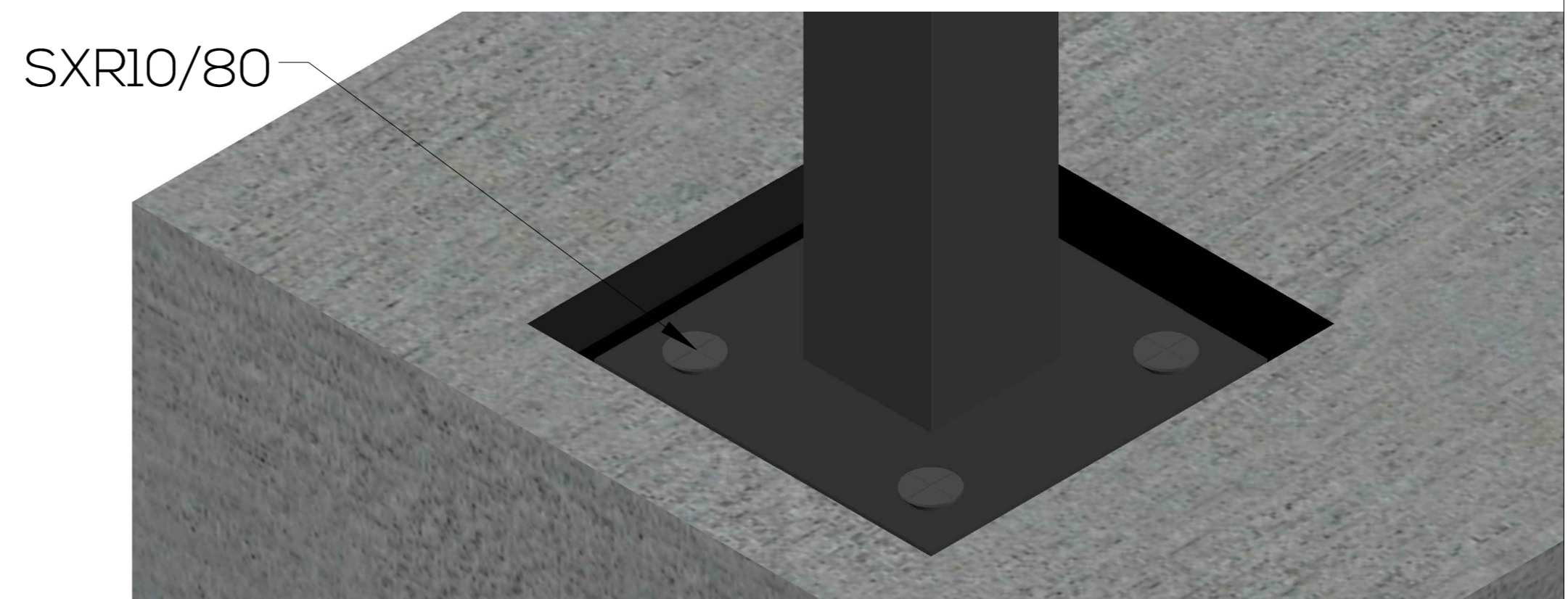
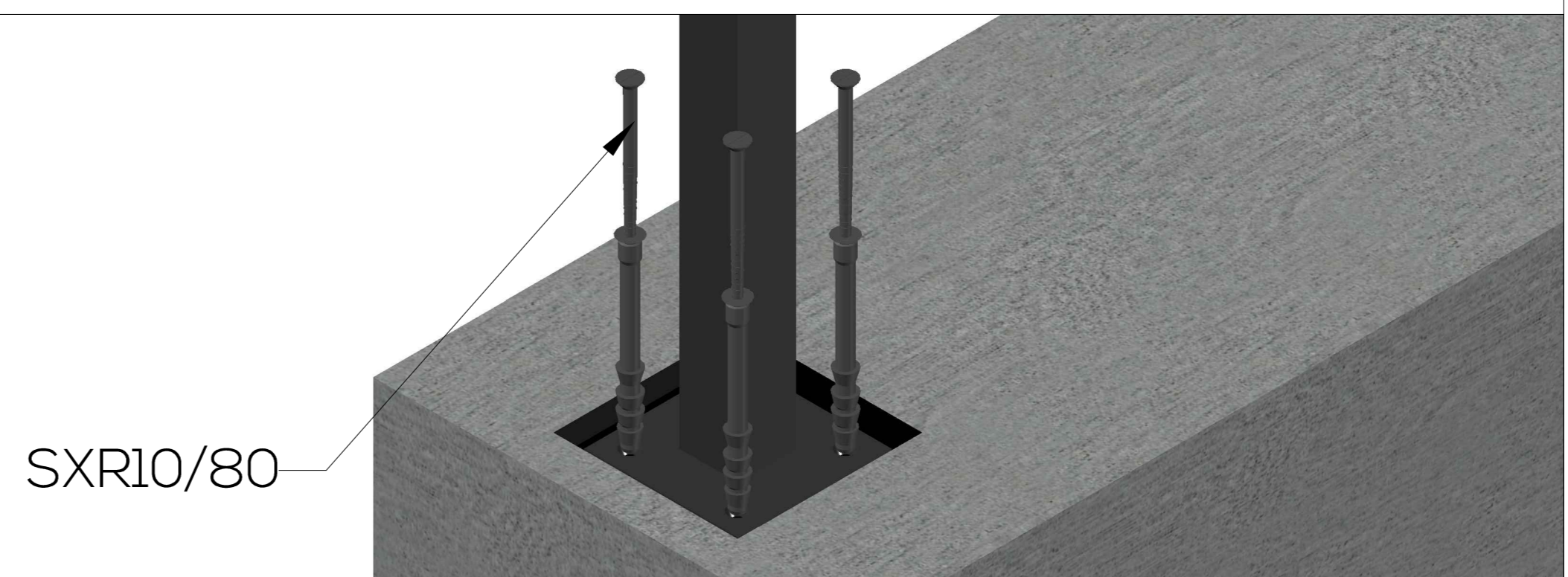
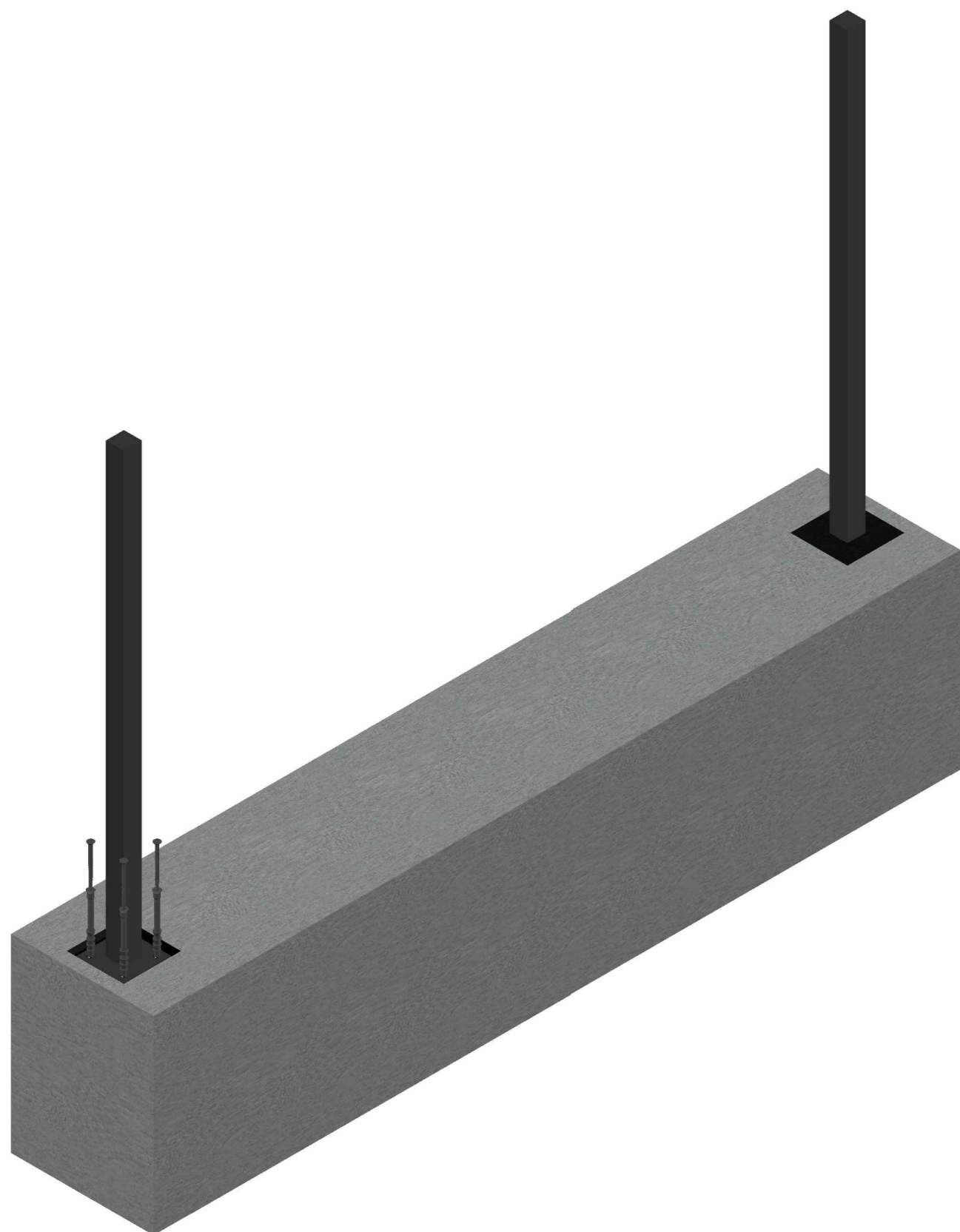


MAKE SURE THAT THE AREA / STRUCTURE ON WHICH THE RAILING IS TO BE INSTALLED IS MADE OF A CONCRETE AND LEVELLED WITH A 25MM COAT OF PLASTER OVER THE BASE. THE WALL / SURFACE SHOULD BE ATLEAST 200MM WIDE TO FIX THE POST FRAME BASE PLATES AND ADEQUATELY STRONG FOR EXPANSION ANCHORS.

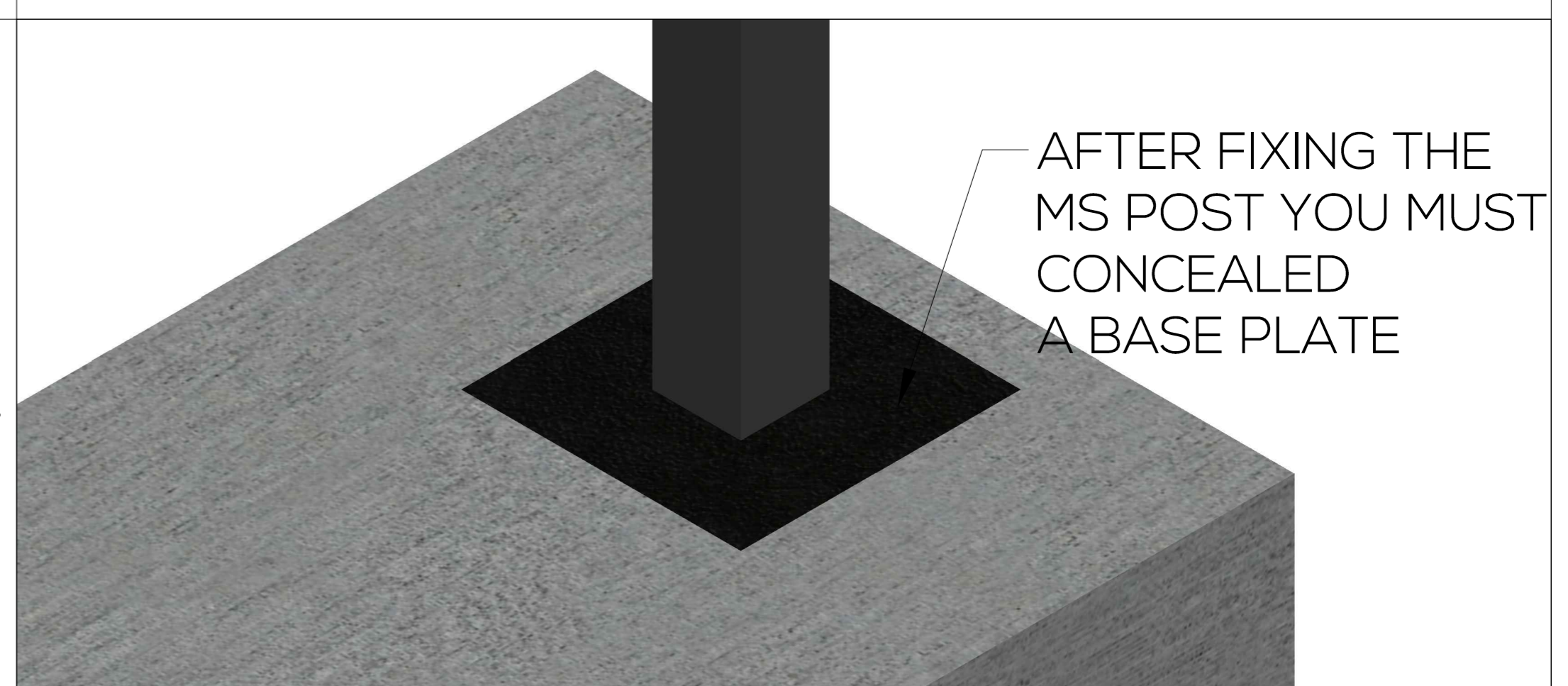


# POST FIXING DETAIL

2

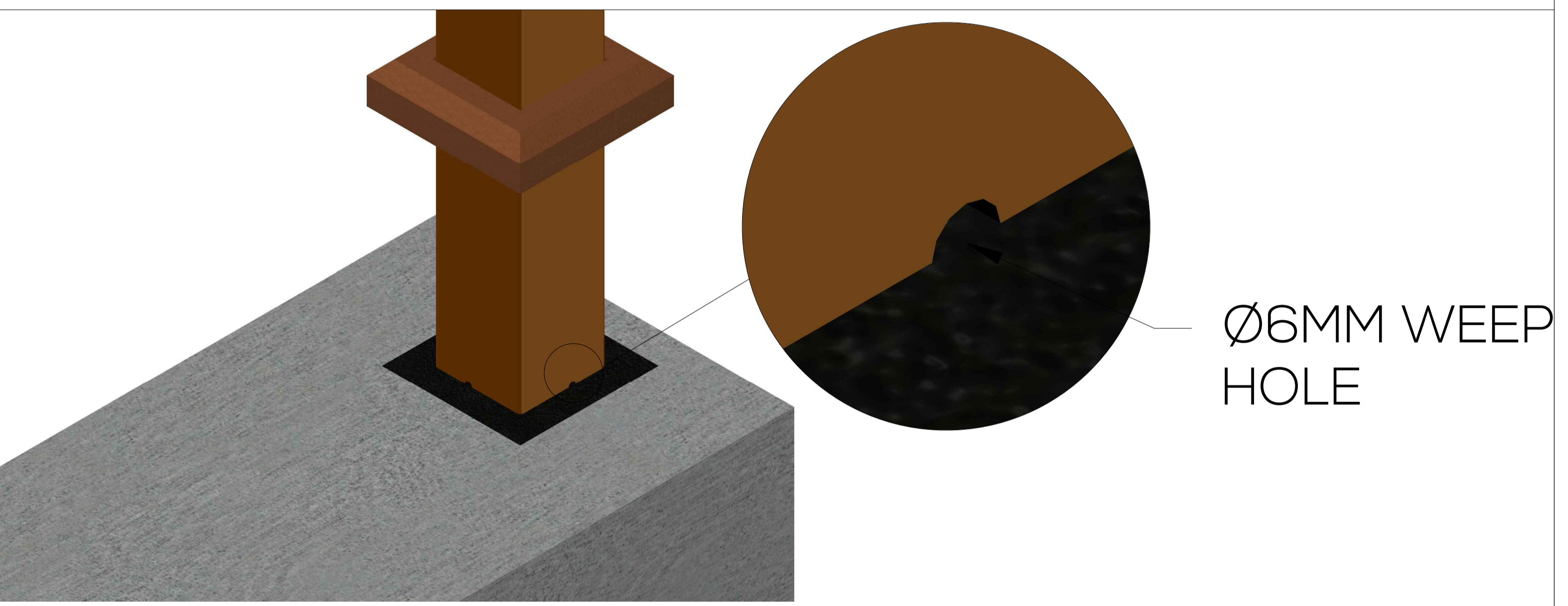
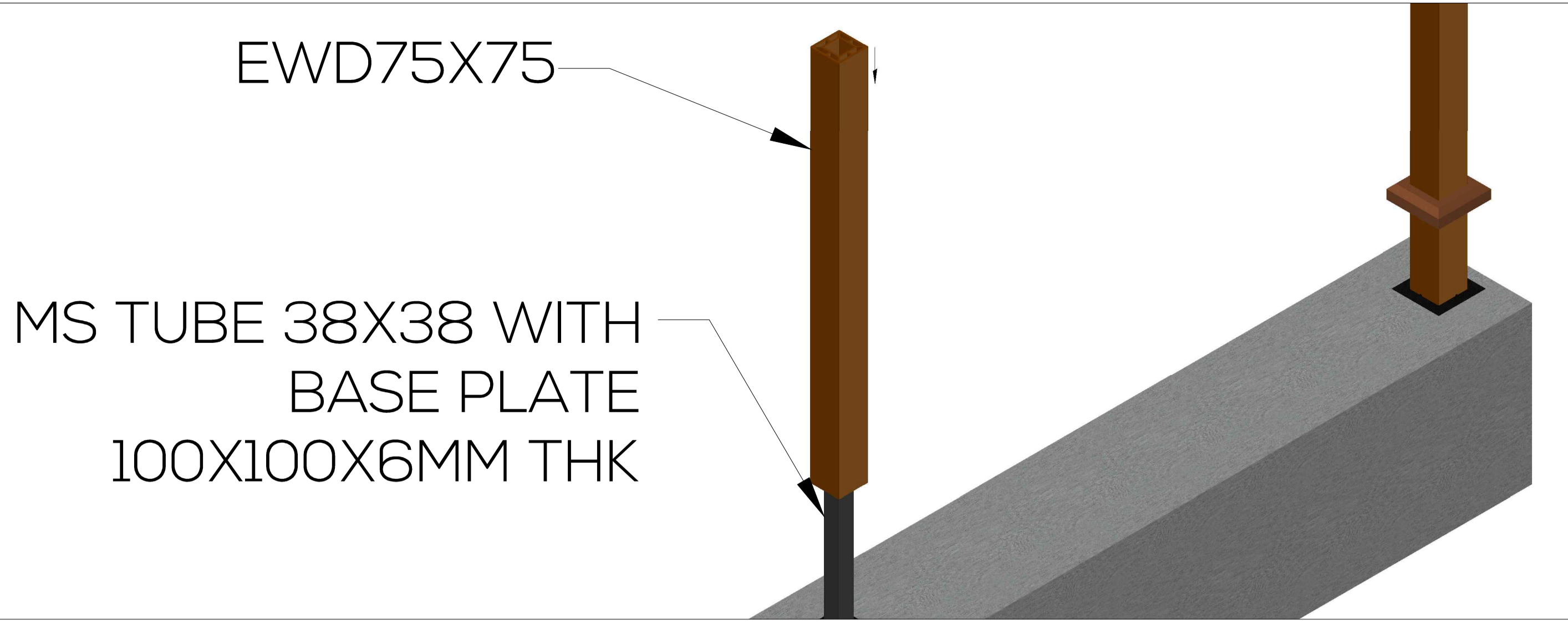
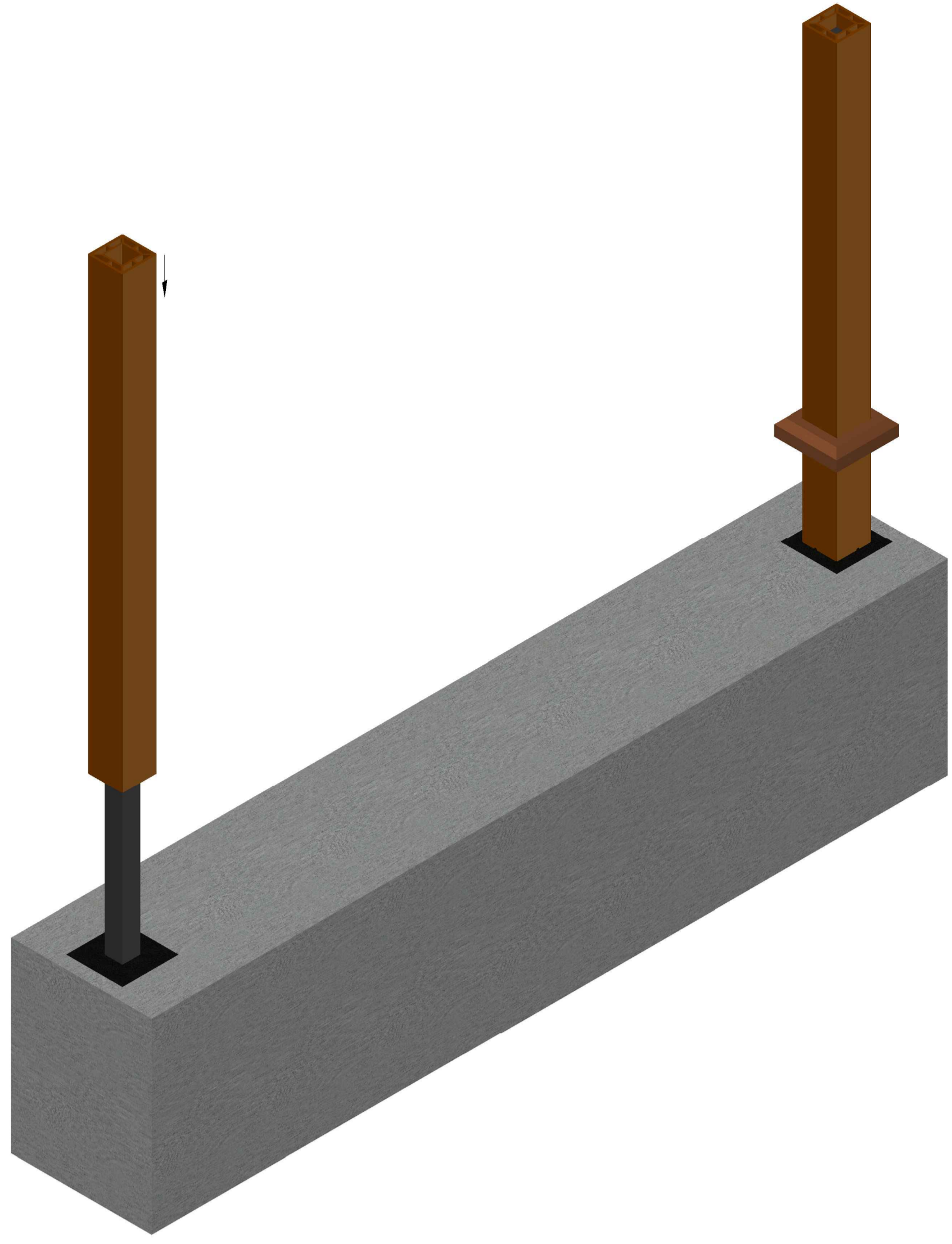


EVERWOOD WPC RAILING POSTS ARE STRUCTURALLY RE-INFORCED WITH PREFINISHED PU PRIMER COATED MS POSTS . SECURE THE BASE PLATES OF THESE POSTS TO THE FLOOR OR CONCRETE CURB WALLS WITH 4 NOS OF 80MM DEPTH ANCHOR BOLT FASTNERS. CUT OFF THE EXCESSIVE LENGTH OF THE STUDS AFTER TIGHTENING THE NUTS AND PLASTER THE PLATES IF NECESSARY.

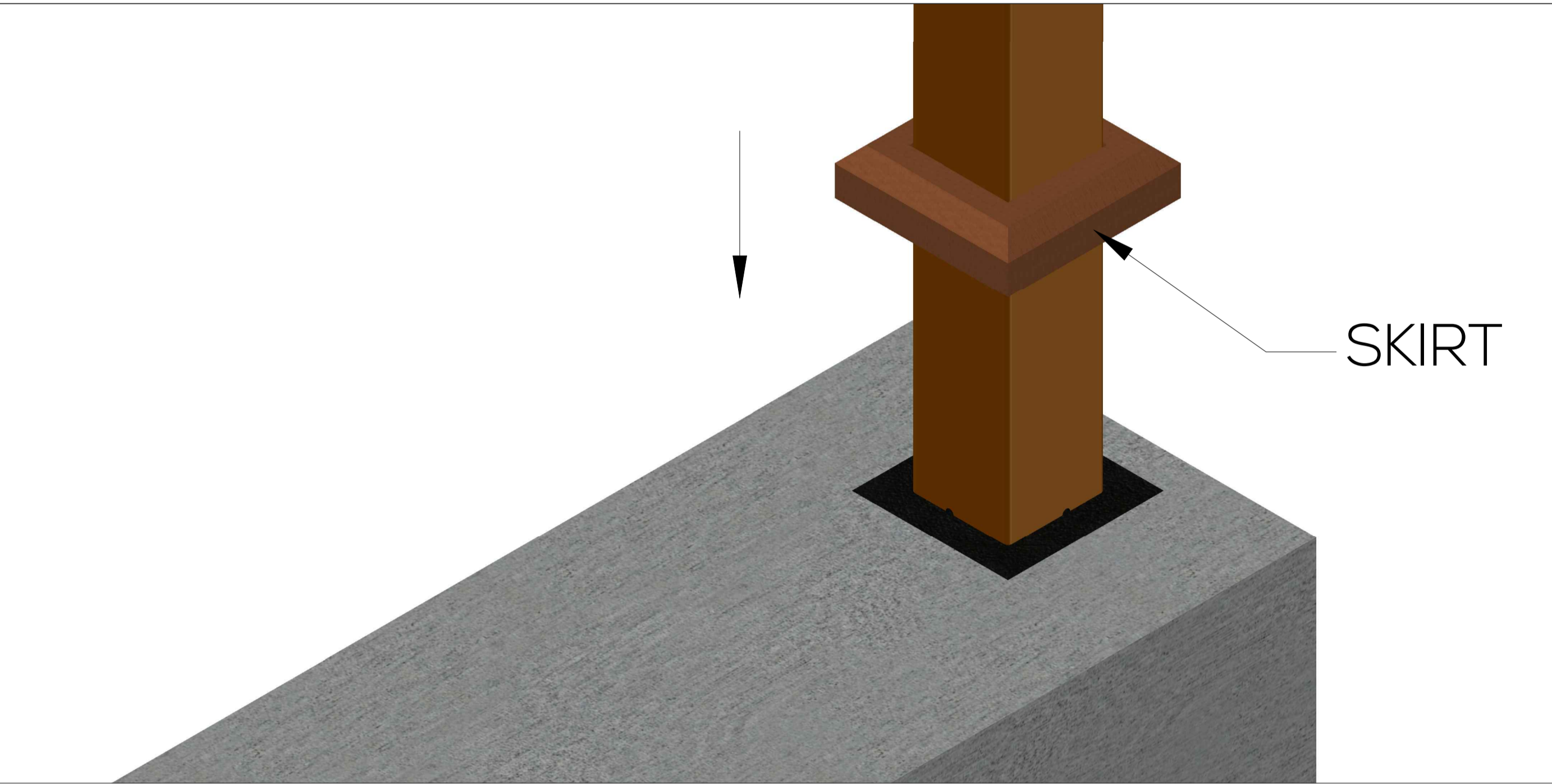


# WPC POST FIXING DETAIL

3

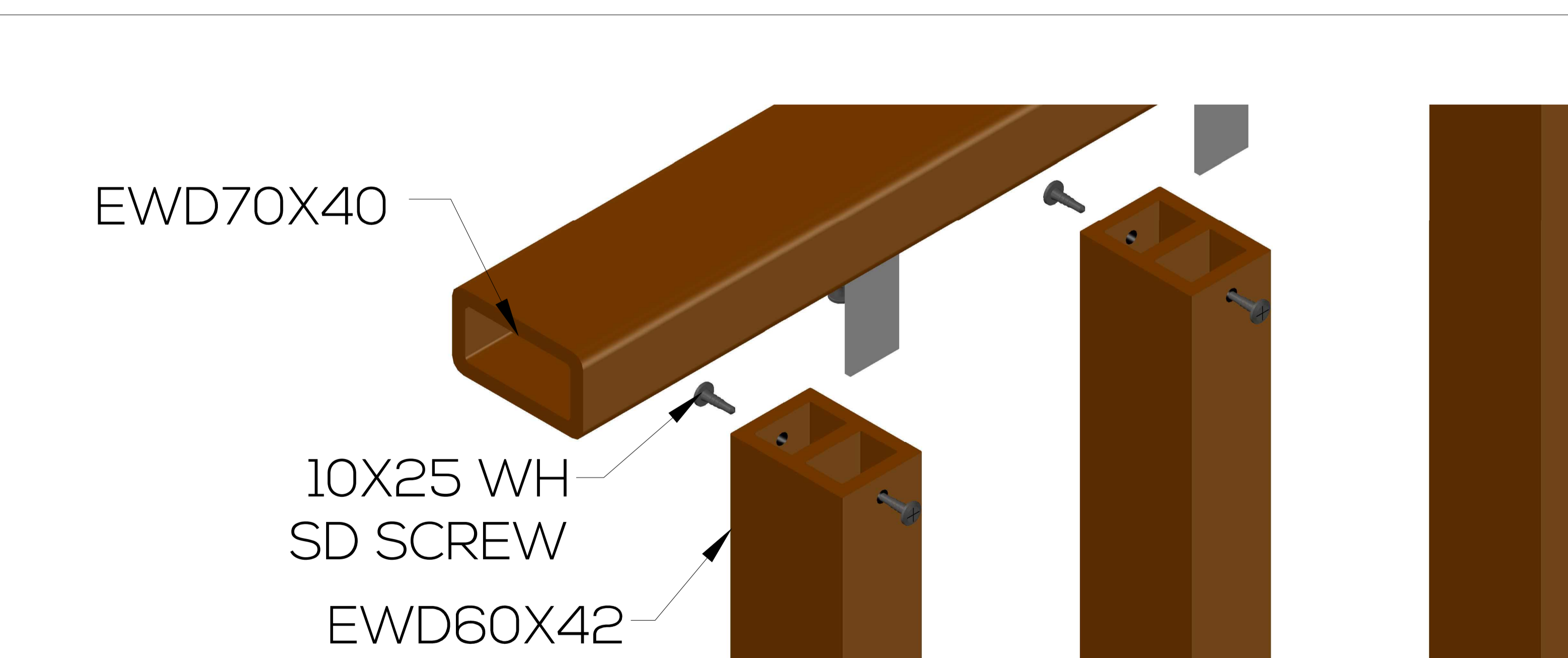
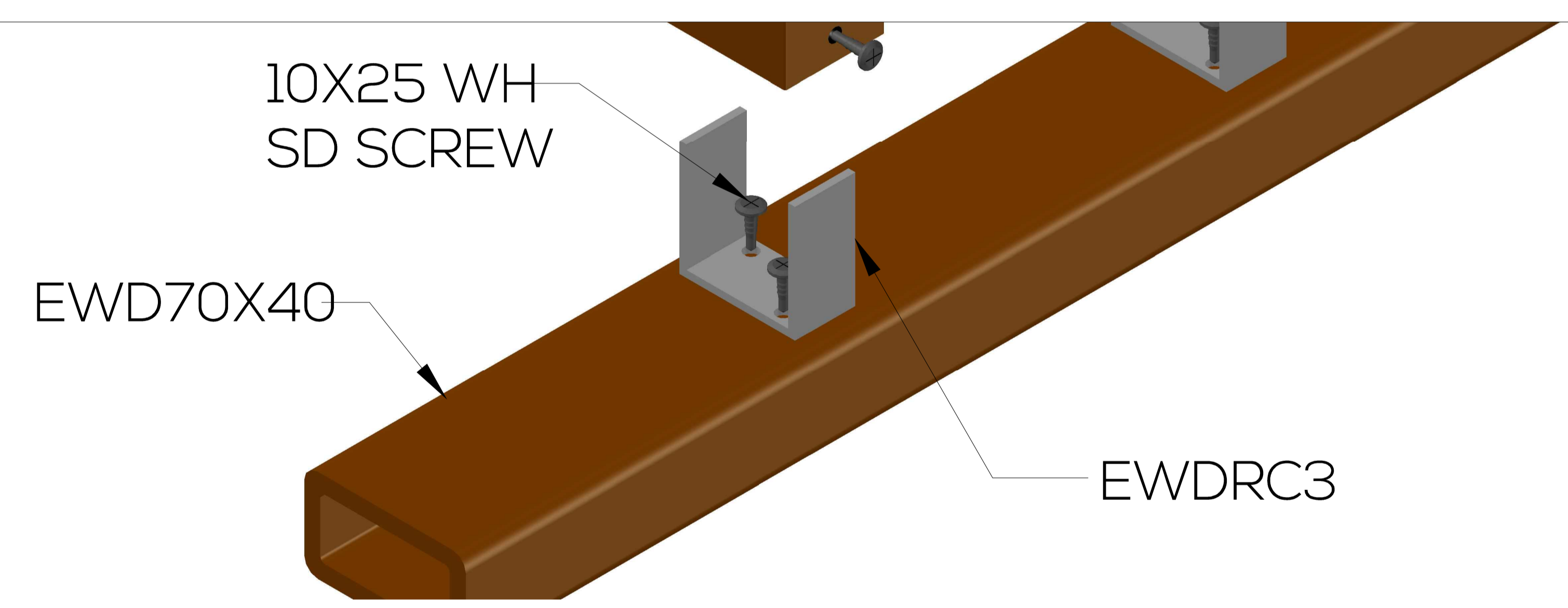
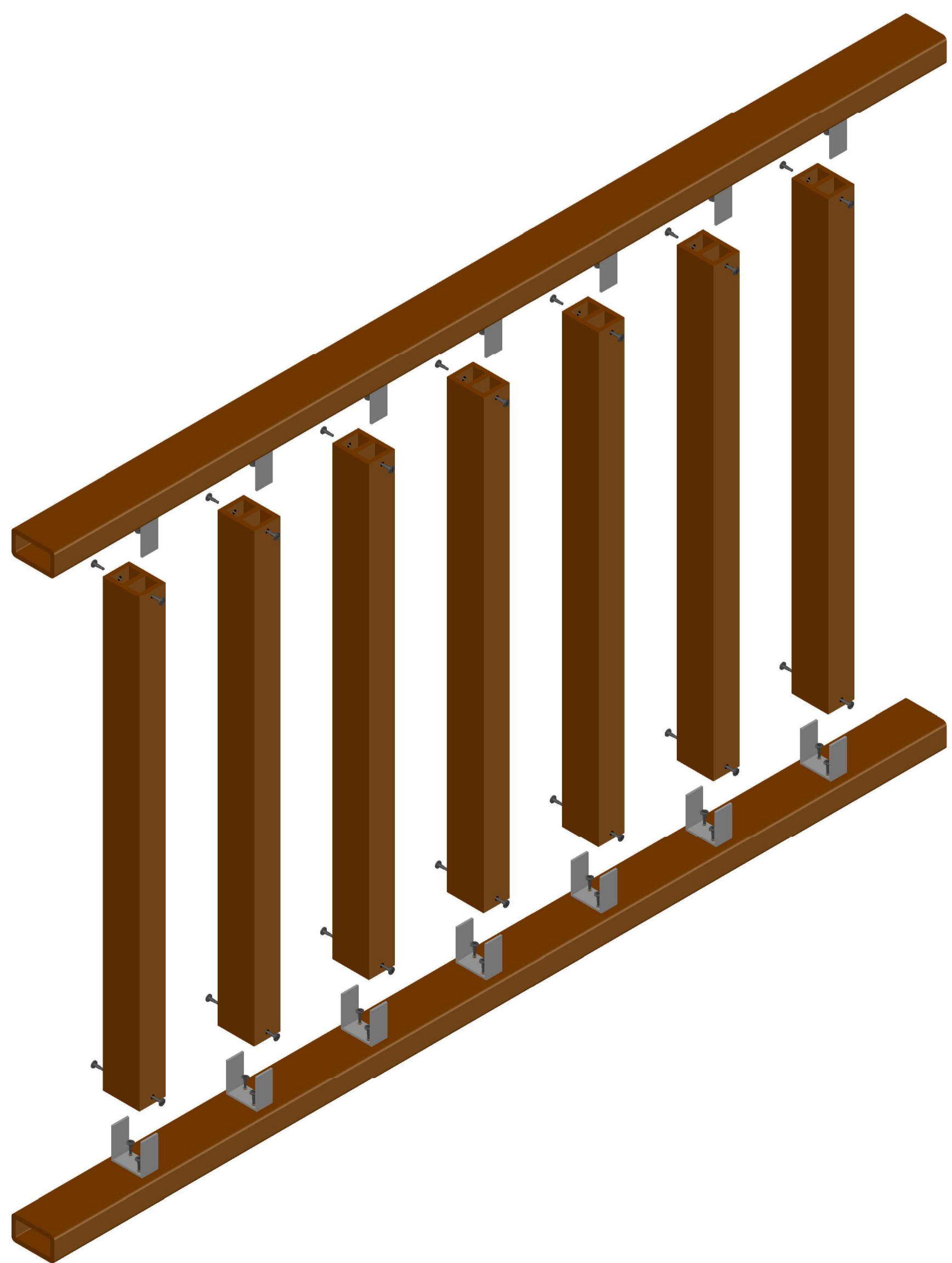


AFTER THE MS POSTS ARE SECURED TO THE BASE STRUCTURE, INSERT THE WPC RAILING POSTS ONTO THEM. ENSURE TO MAKE 6MM DIAMETER WEEP HOLES AT THE BOTTOM OF THE WPC POSTS AND FIX THE ALUMINUM SKIRTS AS SHOWN TO COVER THE MS BASE PLATES.

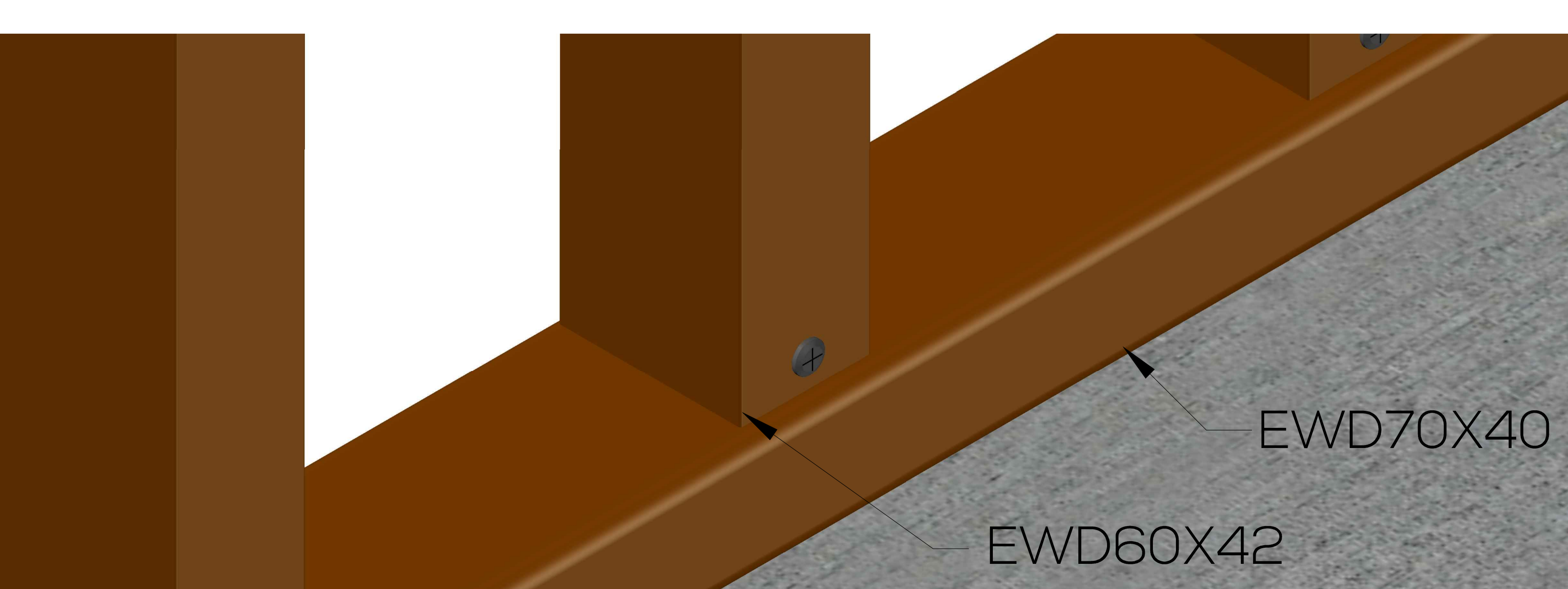


# RAILING MODULE ASSEMBLY

4

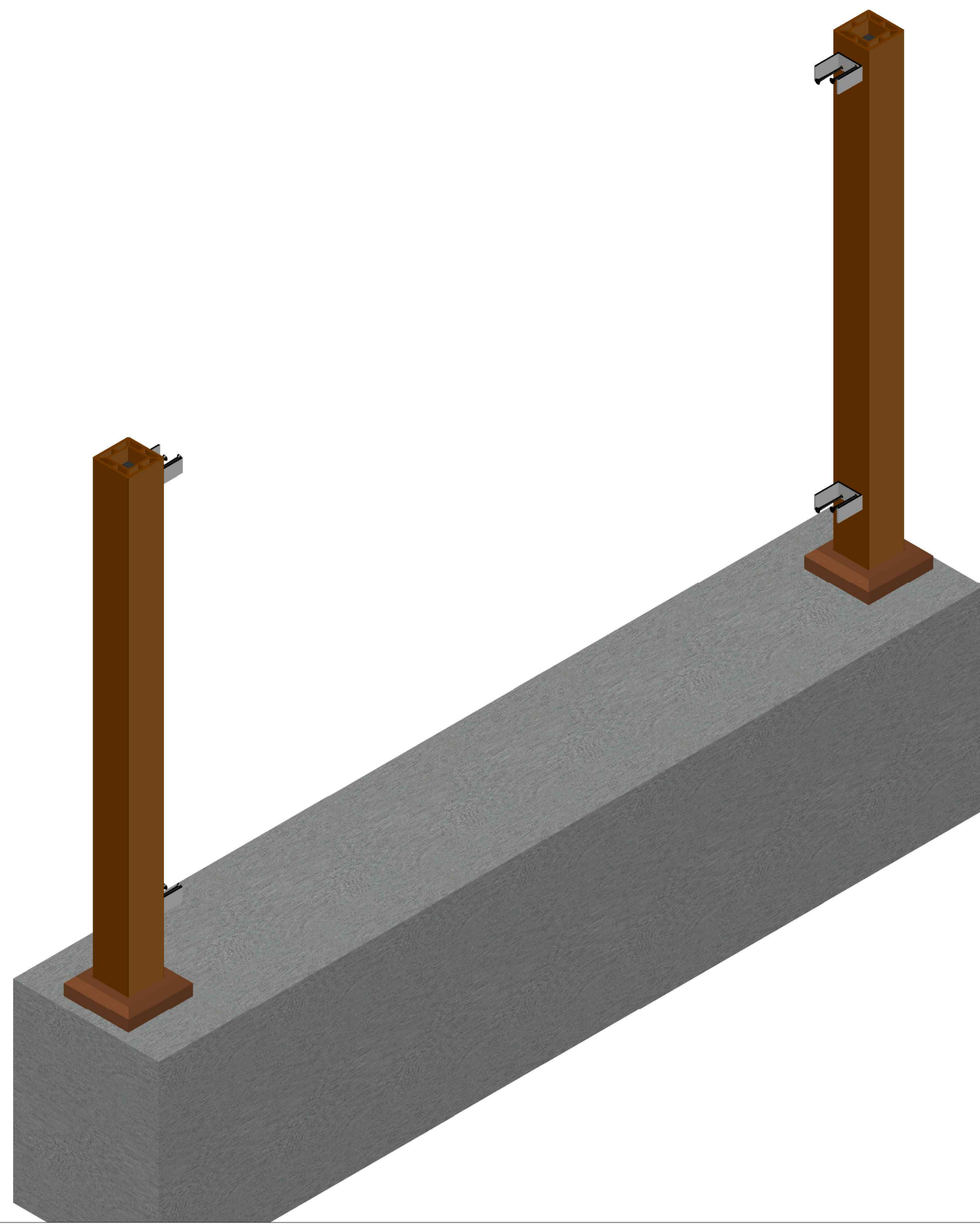


ASSEMBLE THE RAILING MODULE AS SHOWN USING THE NECESSARY ALUMINUM TENONS FASTENED TO THE HORIZONTAL AND VERTICAL WPC PROFILES DEPENDING ON THE RAILING DESIGN.

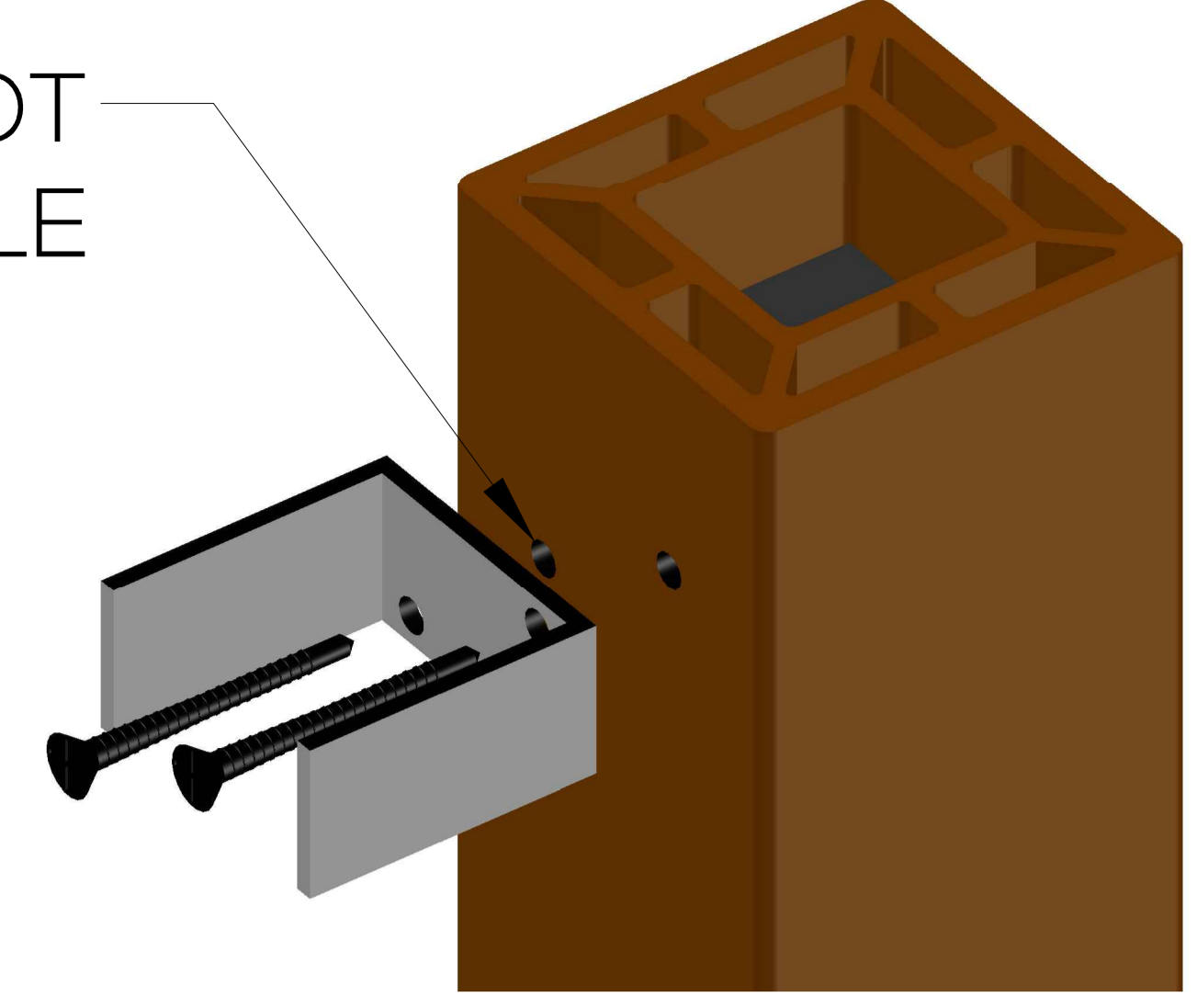


# RAILING POST CLIP FIXING DETAILS

5

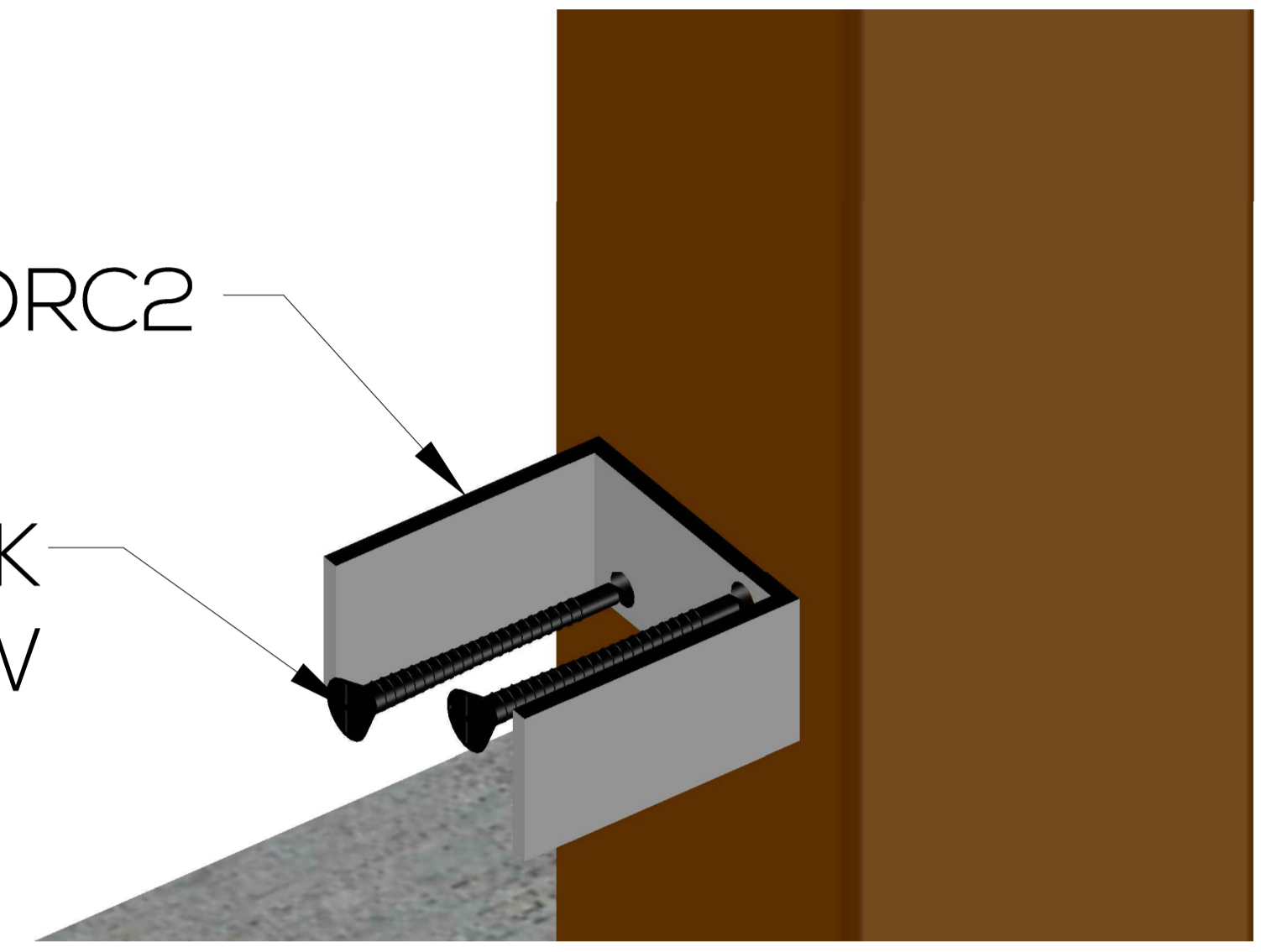


Ø6MM PILOT HOLE

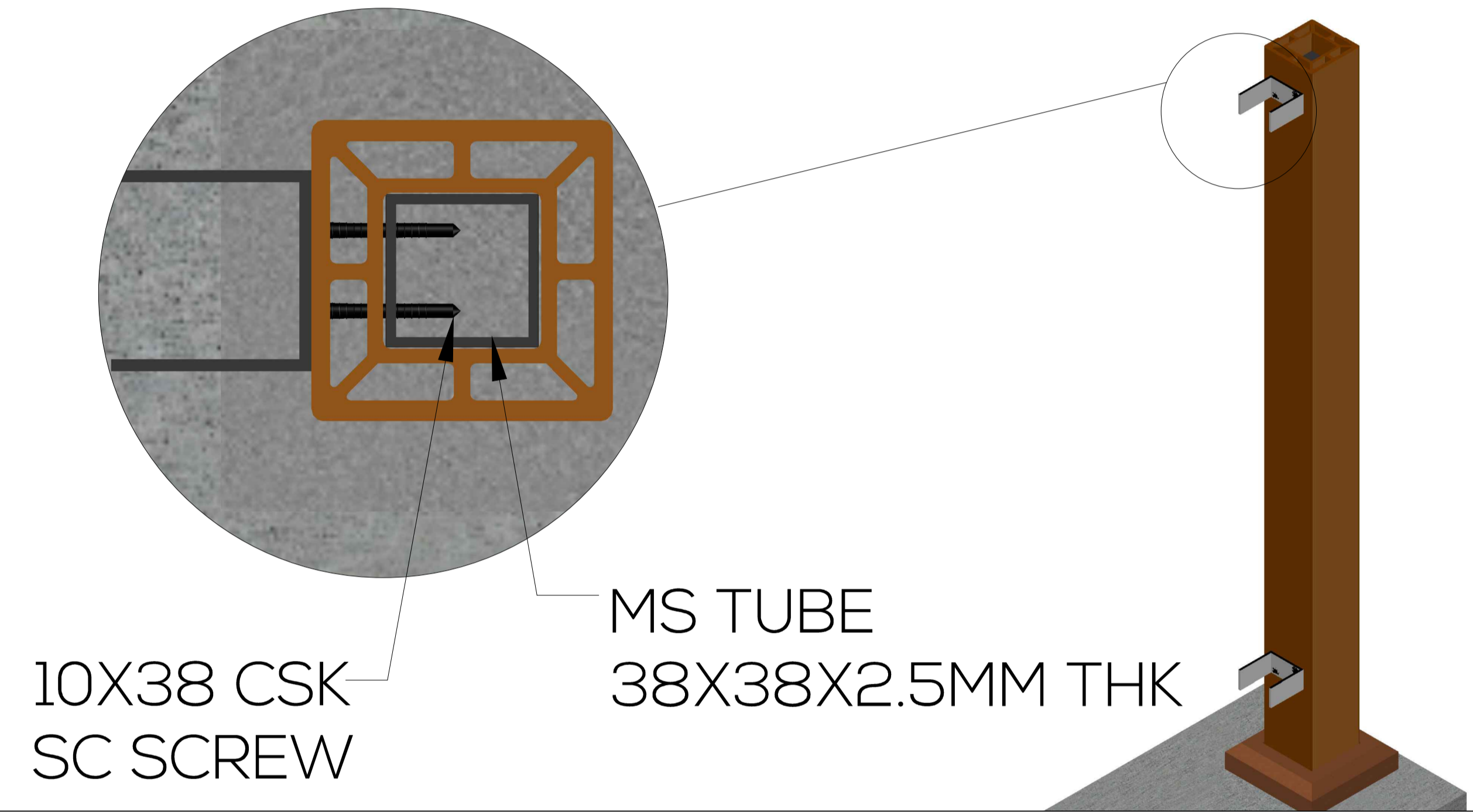


EWDRC2

10X38 CSK SD SCREW



BEFORE INSERTING THE RAILING MODULE TO THE POSTS, ATTACH THE POST ALUMINUM TENONS AS SHOWN IN THE DRAGRAM AND FASTEN THEM THROUGH THE WPC POSTS INTO THE POST STEEL INSERTS AFTER MAKING THE REQUIRED PILOT HOLES AS SHOWN HERE.

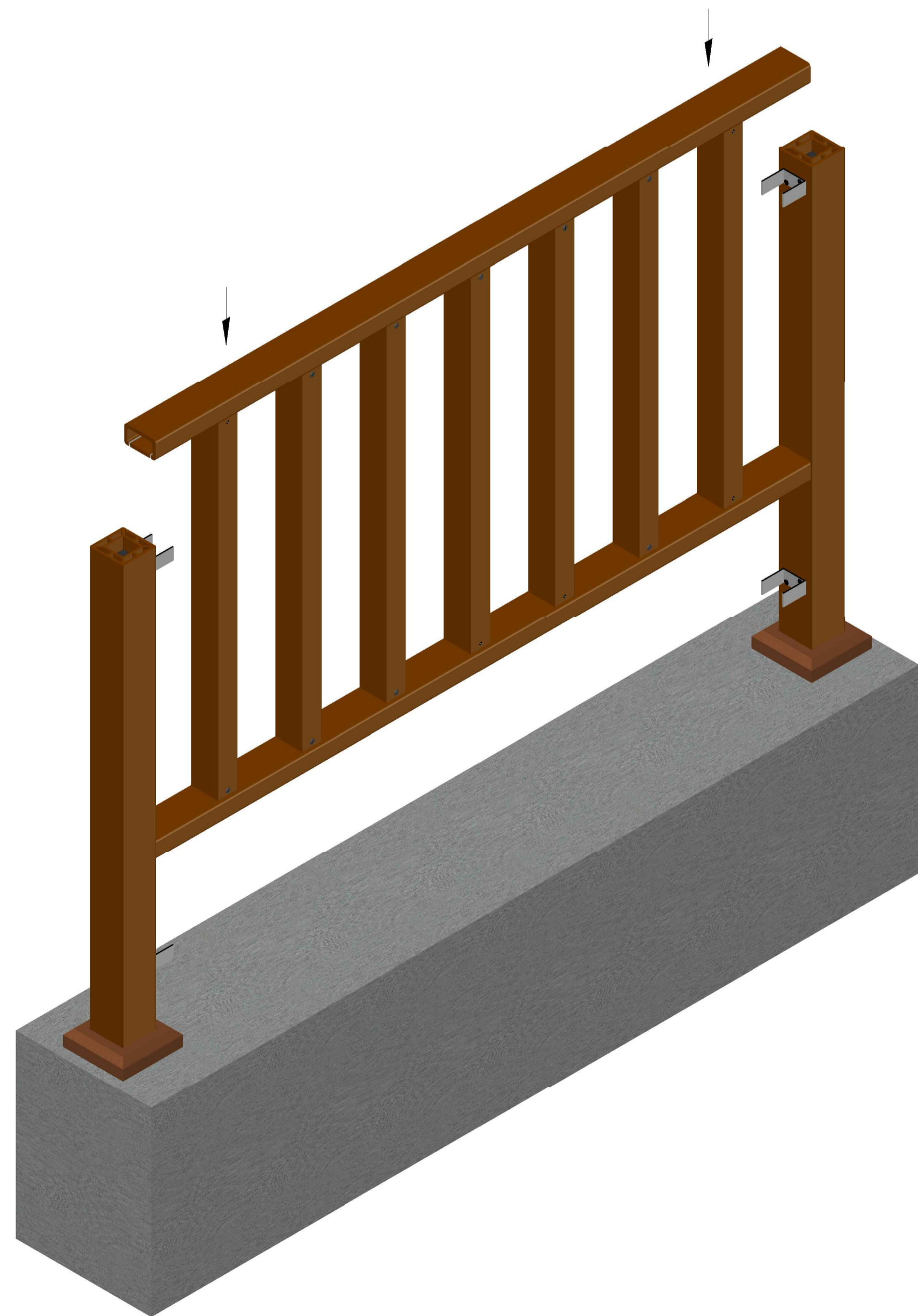


10X38 CSK SC SCREW

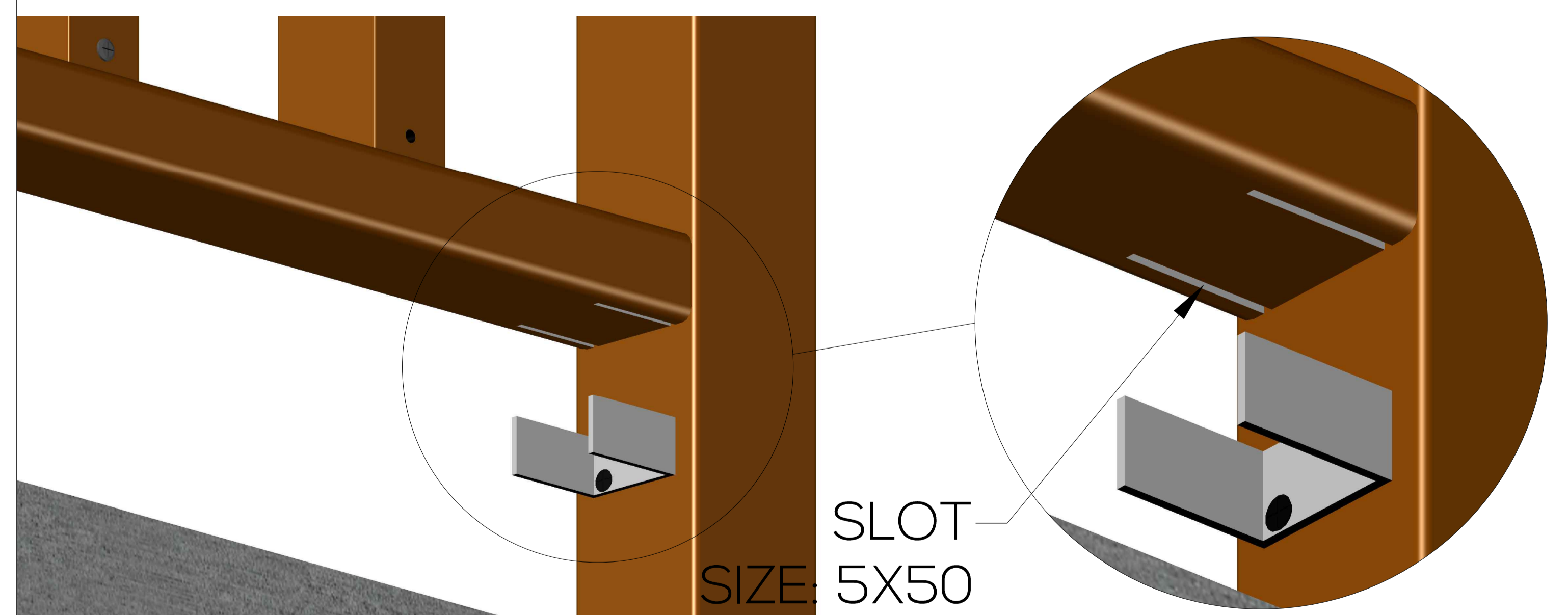
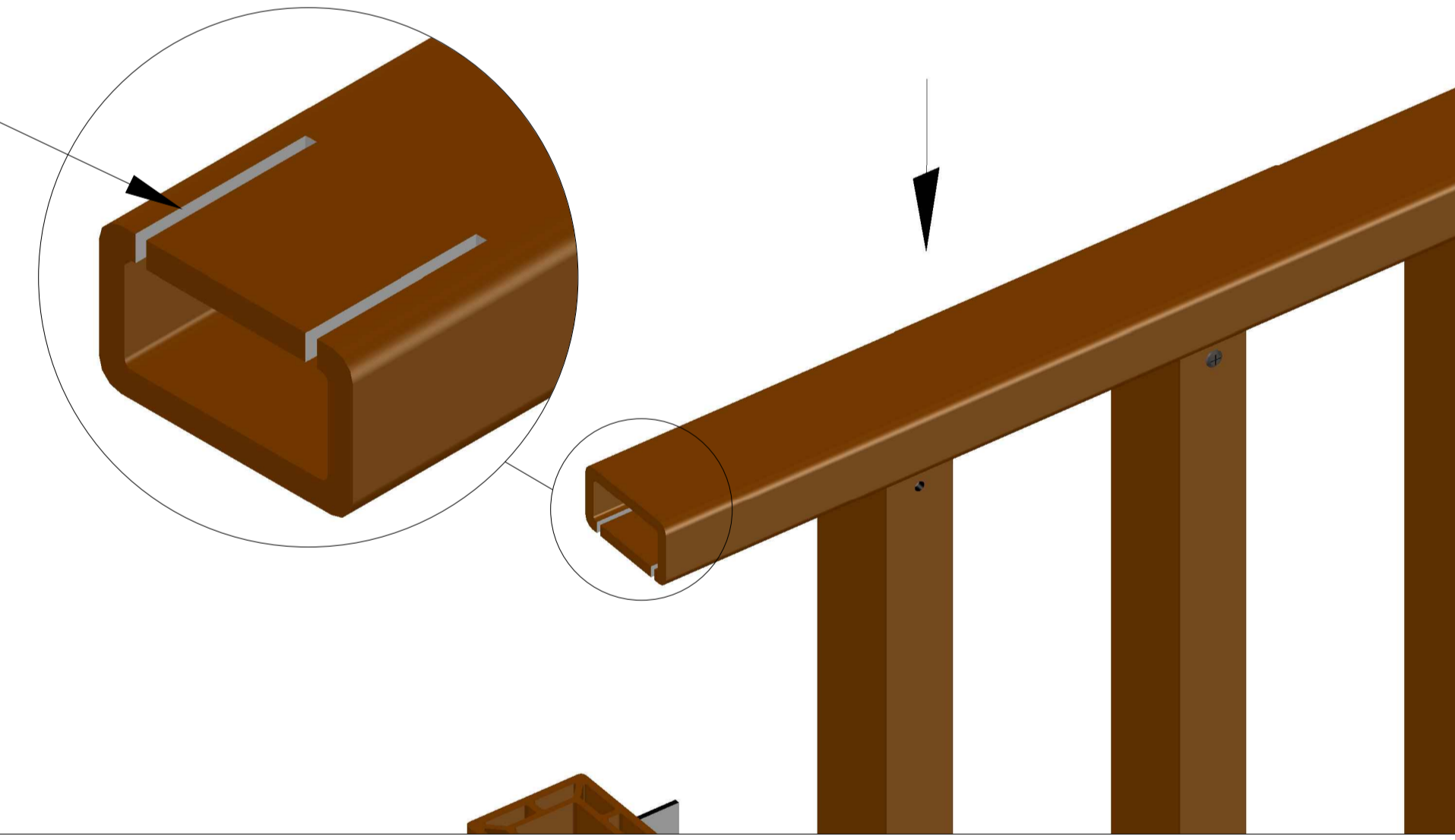
MS TUBE  
38X38X2.5MM THK

## MODULE FIXING DETAIL

6



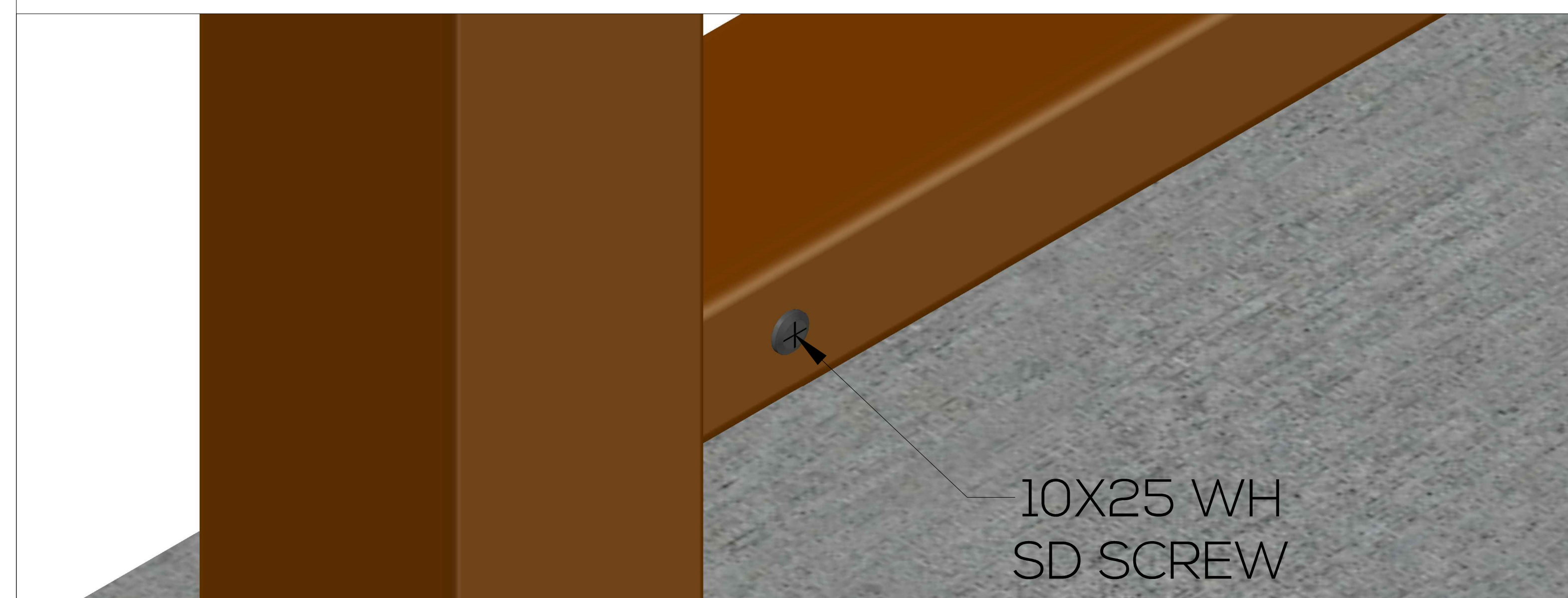
SLOT CUTTING FOR ALUMINUM "U" CLAMP  
SLOT SIZE: 5X50  
(BOTTOM VIEW OF EWD70X40)



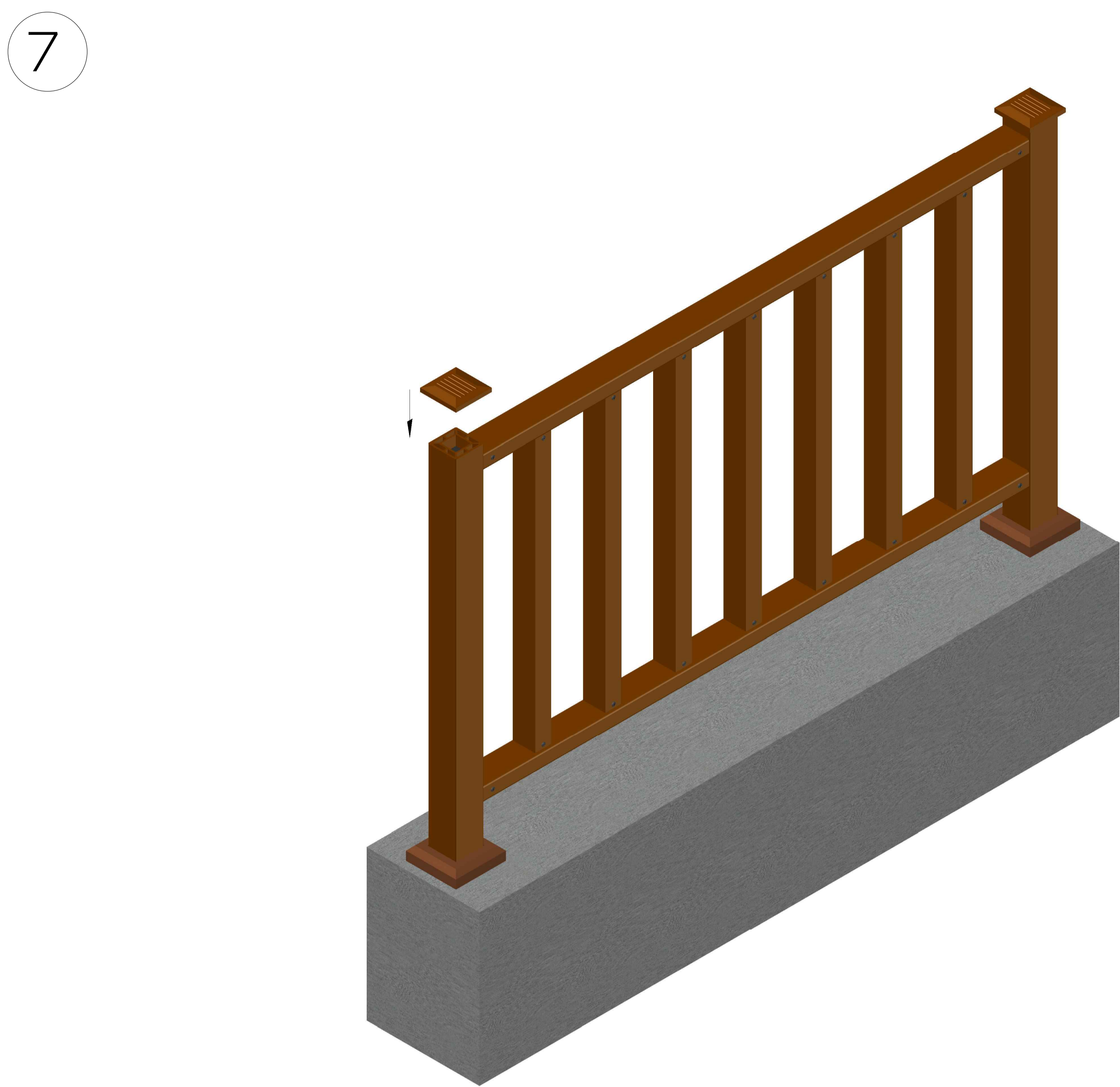
SLOT SIZE: 5X50

ONCE THE POSTS AND MODULE ARE READY, MAKE THE REQUIRED SLOTS AS SHOWN IN THE HORIZONTAL SECTIONS OF THE MODULE. THE MODULE IS THEN PLACED ON THE ALUMINUM TENONS FITTED TO THE POSTS AND FASTENED IN PLACE TO SECURE THE MODULE TO THE POSTS.

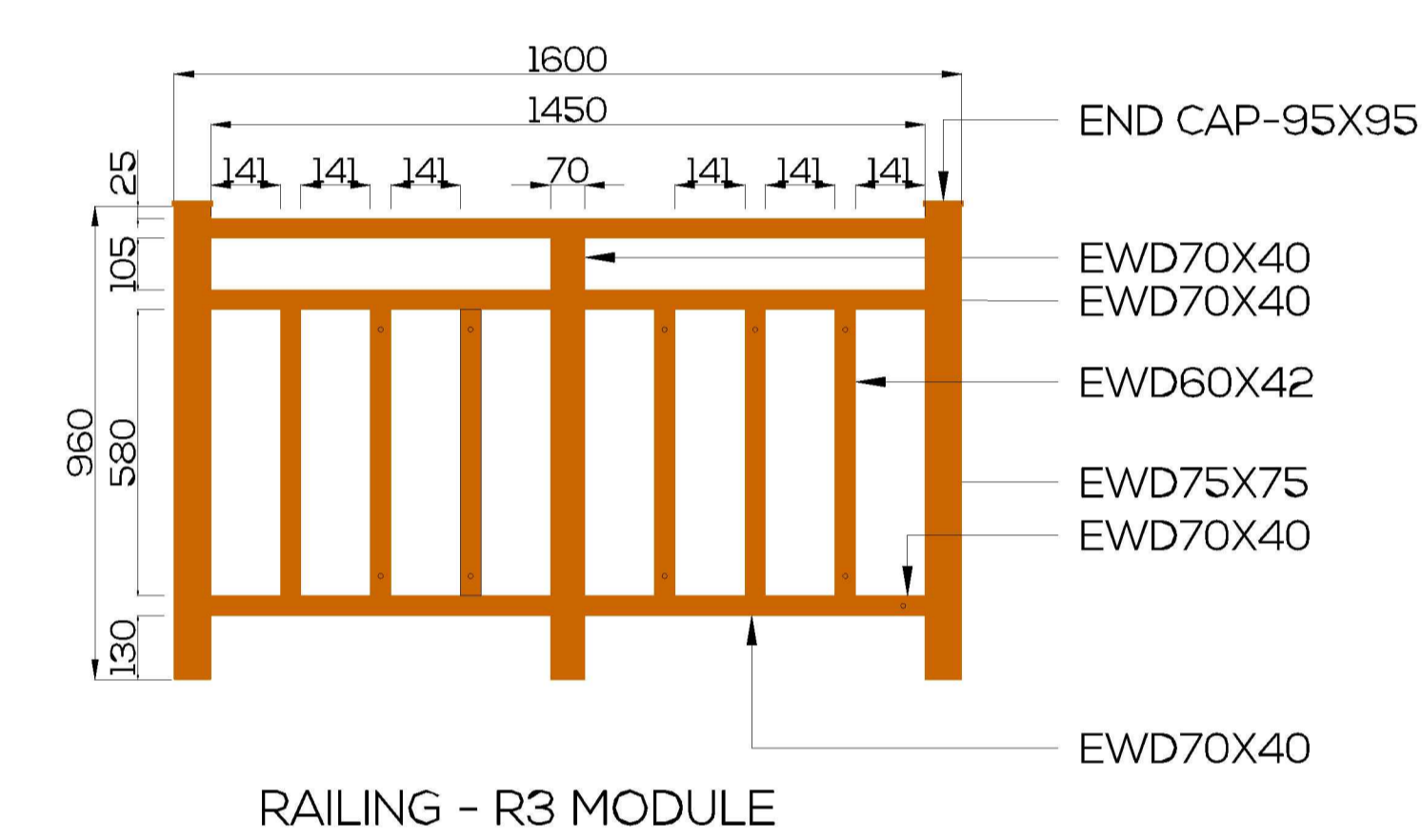
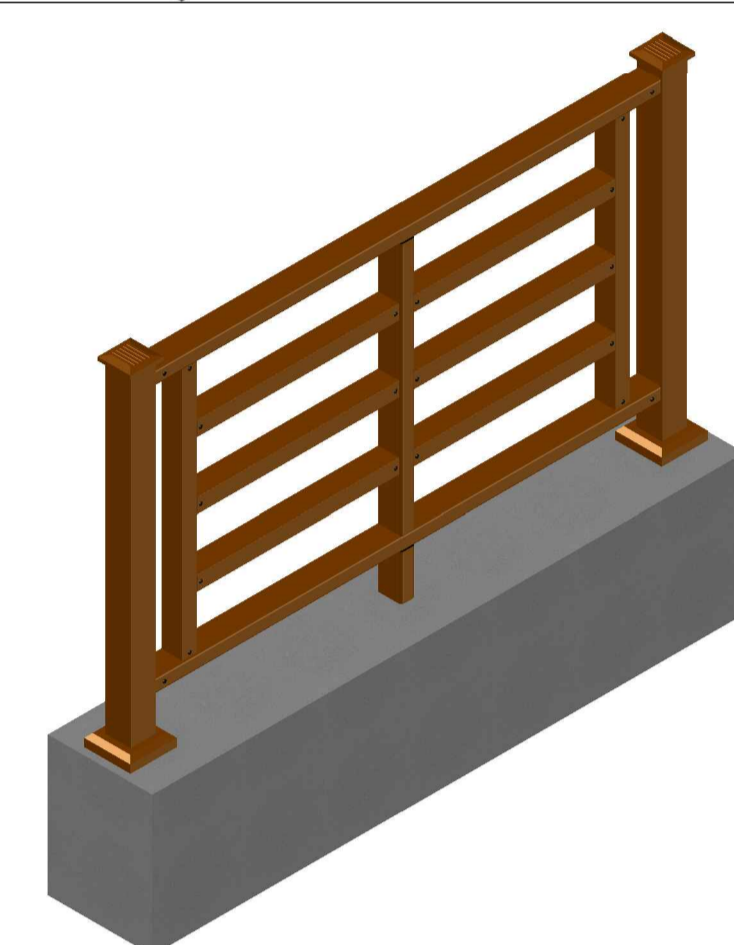
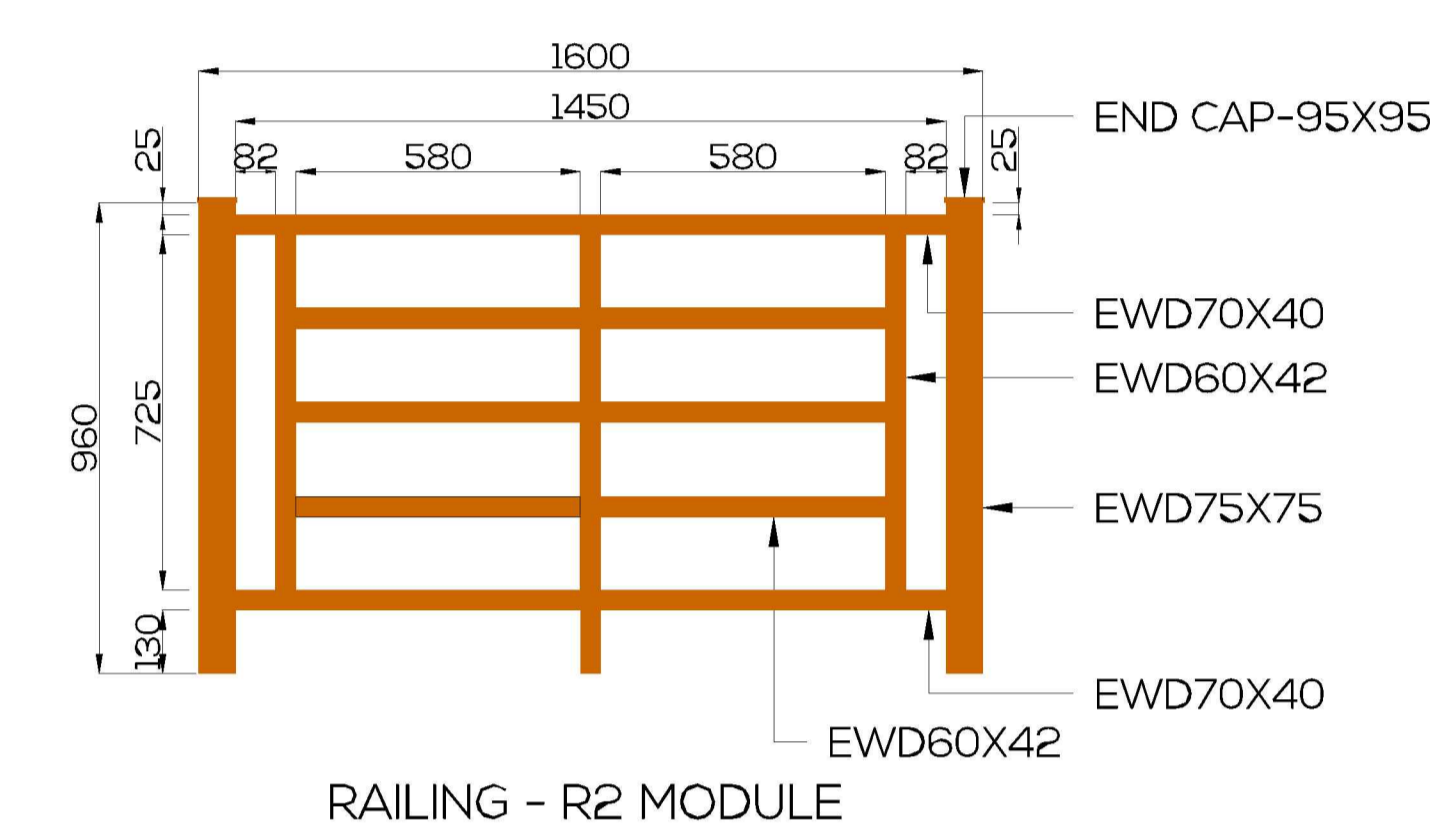
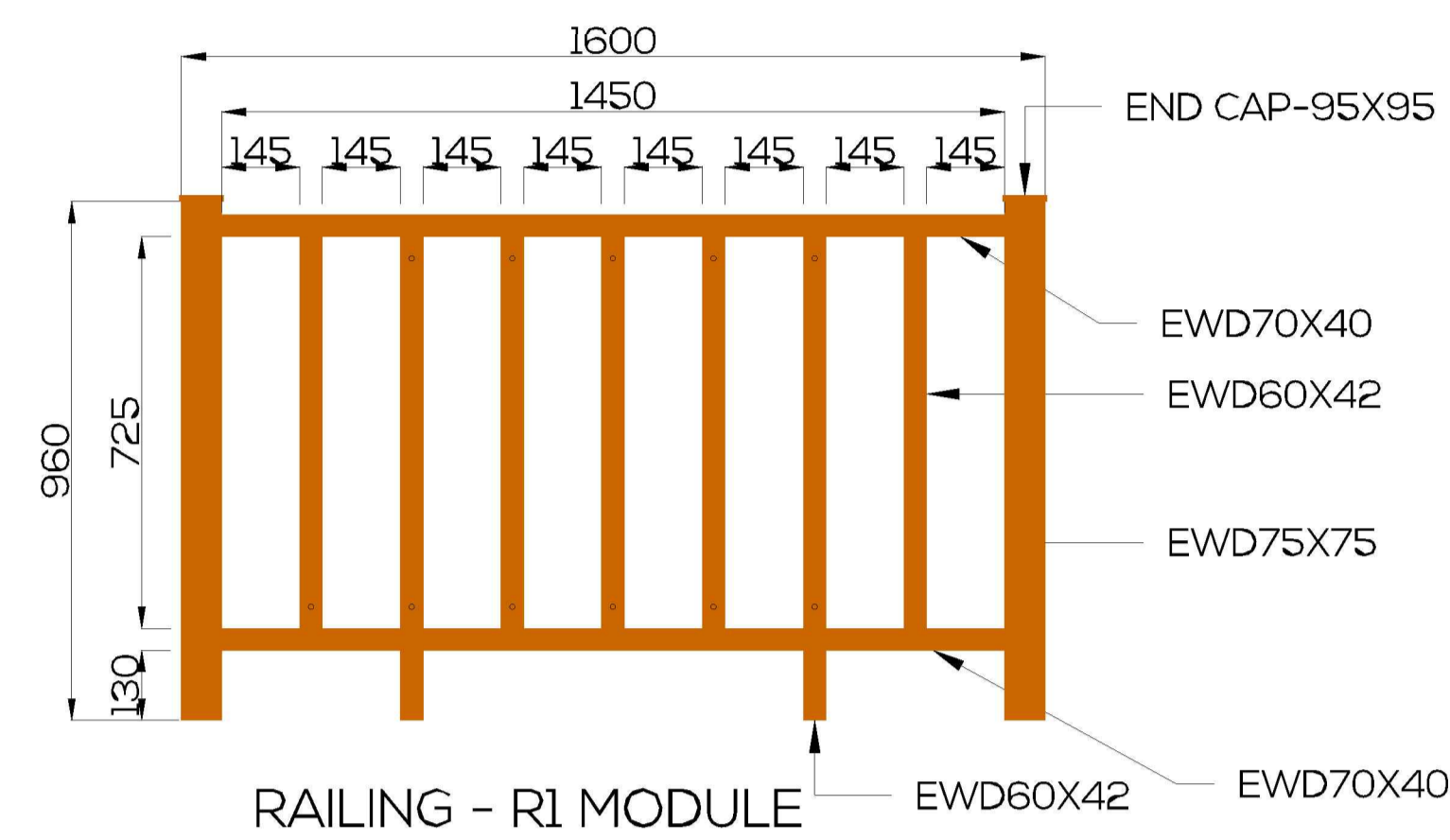
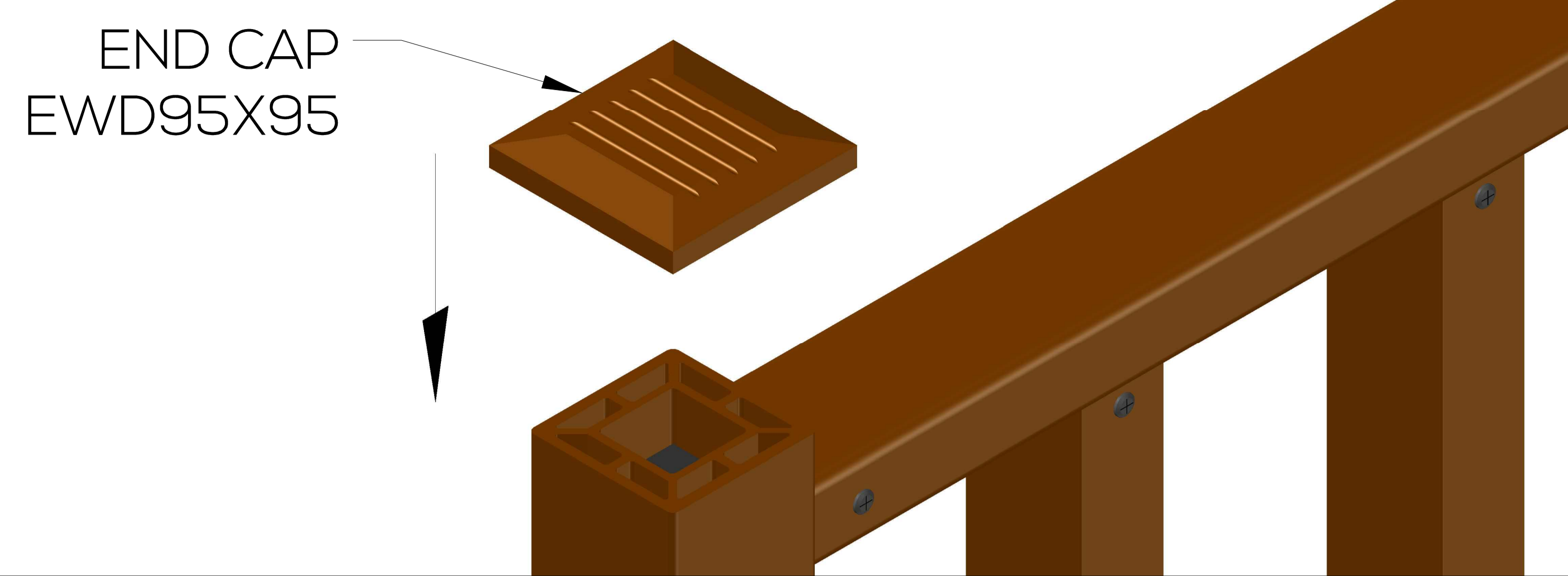
10X25 WH SD SCREW



# TOP CAP FINISHING DETAILS



APPLY A HIGH GRADE BONDING ADHESIVE TO THE BASE OF THE RAILING CAP AND INSERT IT INTO THE TOP OF THE RAILING POST. ALLOW ADEQUATE TIME FOR THE ADHESIVE TO CURE. PLEASE ENSURE TO CHECK ALL THE FASTNERS AND TENON STABILITY BEFORE HANDING OVER THE SITE.



## DO'S

1. HAVING TAKEN DELIVERY OF YOUR BOARDS / PROFILES, WE RECOMMEND YOU ALLOW THEM A DAY TO ADJUST TO THE EXTERIOR AMBIENT TEMPERATURE AND CONDITIONS BEFORE STARTING WORK.
2. YOUR COMPOSITE BOARDS AND PROFILES CAN BE WORKED WITH NORMAL WOODWORKING TOOLS AND RECOMMEND USING A WOOD SAW WITH A FINE-TOOTH BLADE TO CUT BOARDS TO SIZE.
3. WHEN CUTTING, CARE SHOULD BE TAKEN TO ENSURE THE BOARDS ARE PROPER SUPPORTED.
4. ALWAYS FINISH BURRS OR UNFINISHED CUT EDGES WITH SAND PAPER TO SMOOTHEN SURFACES AND EDGES.
5. WPC EXPANDS AND CONTRACTS WITH TEMPERATURE CHANGE. PLEASE ENSURE TO MAINTAIN 6-8 MM GAPS FROM FLOORS WALLS, CEILING AND BETWEEN PANELS TO ALLOW FOR DIMENSIONAL CHANGES.
6. ALWAYS USE ANTI-CORROSIVE HARDWARES, FIXTURES AND FASTNERS WHILE INSTALLING YOUR WPC.

## DONT'S

1. WE DO NOT RECOMMEND INSTALLING WPC IN VERY HOT OR COLD WEATHER. DO NOT USE CHISELS OR OTHER SHARP TOOLS THAT REQUIRE IMPACT WHILE WORKING WITH WPC, ALWAYS USE A SAW.
2. DO NOT USE NAILS TO FASTEN WPC. ALWAYS USE SELF DRILLING SCREWS.
3. NEVER OVERTIGHTEN FASTNERS OR SCREWS WHILE INSTALLING WPC.
4. DO NOT USE STRONG CORROSSIVE CHEMICALS OR BLEACH TO CLEAN WPC.