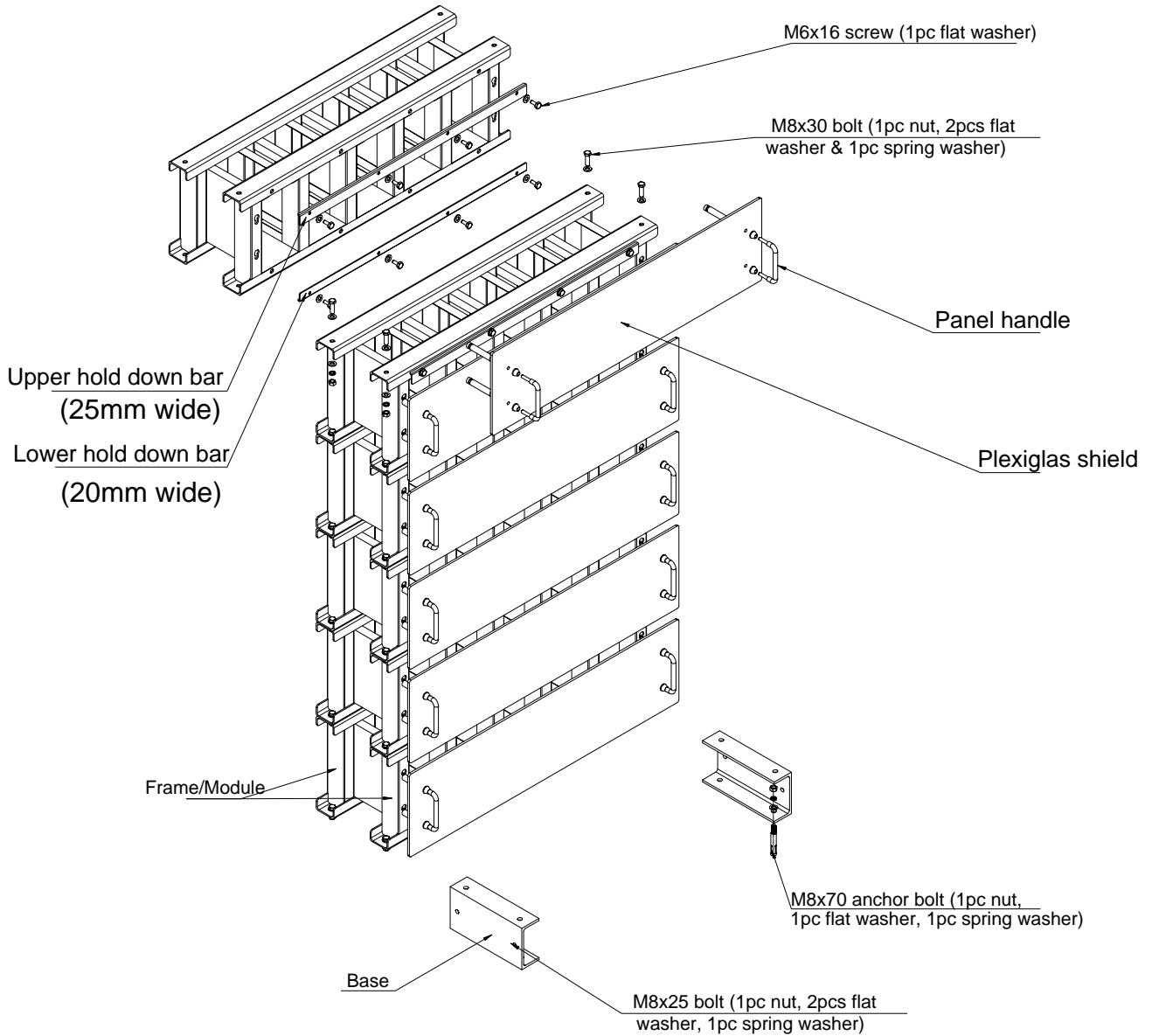


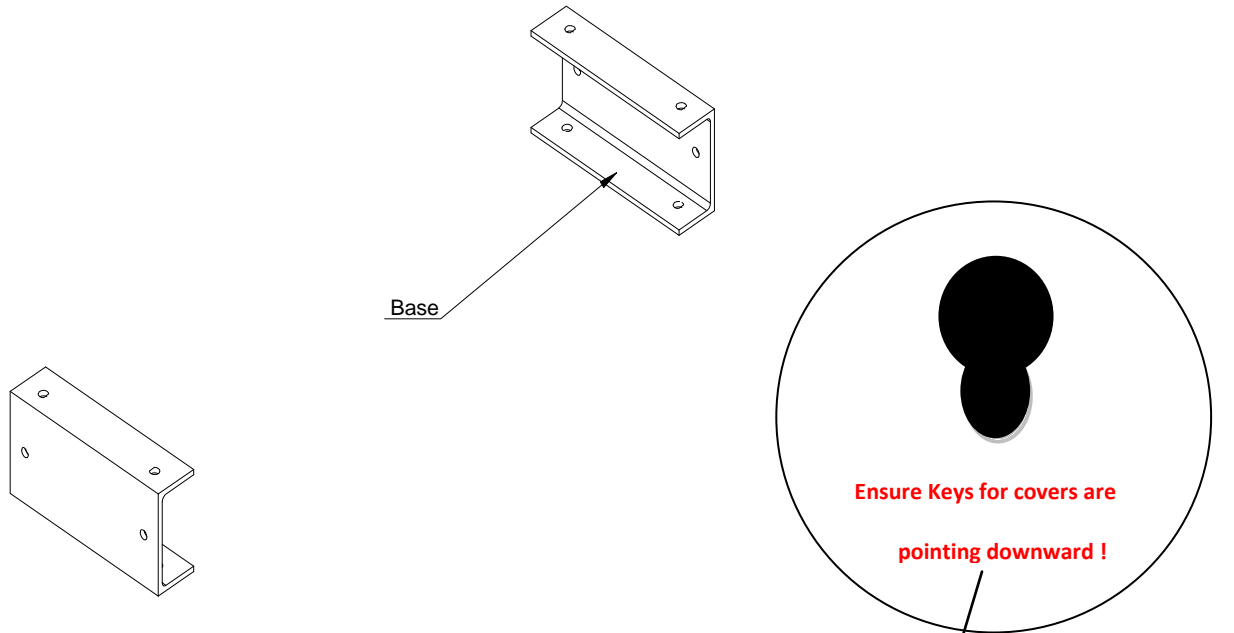
# HORIZONTAL RACK INSTALLATION INSTRUCTIONS

## 1. Horizontal rack diagram for AGM Racks

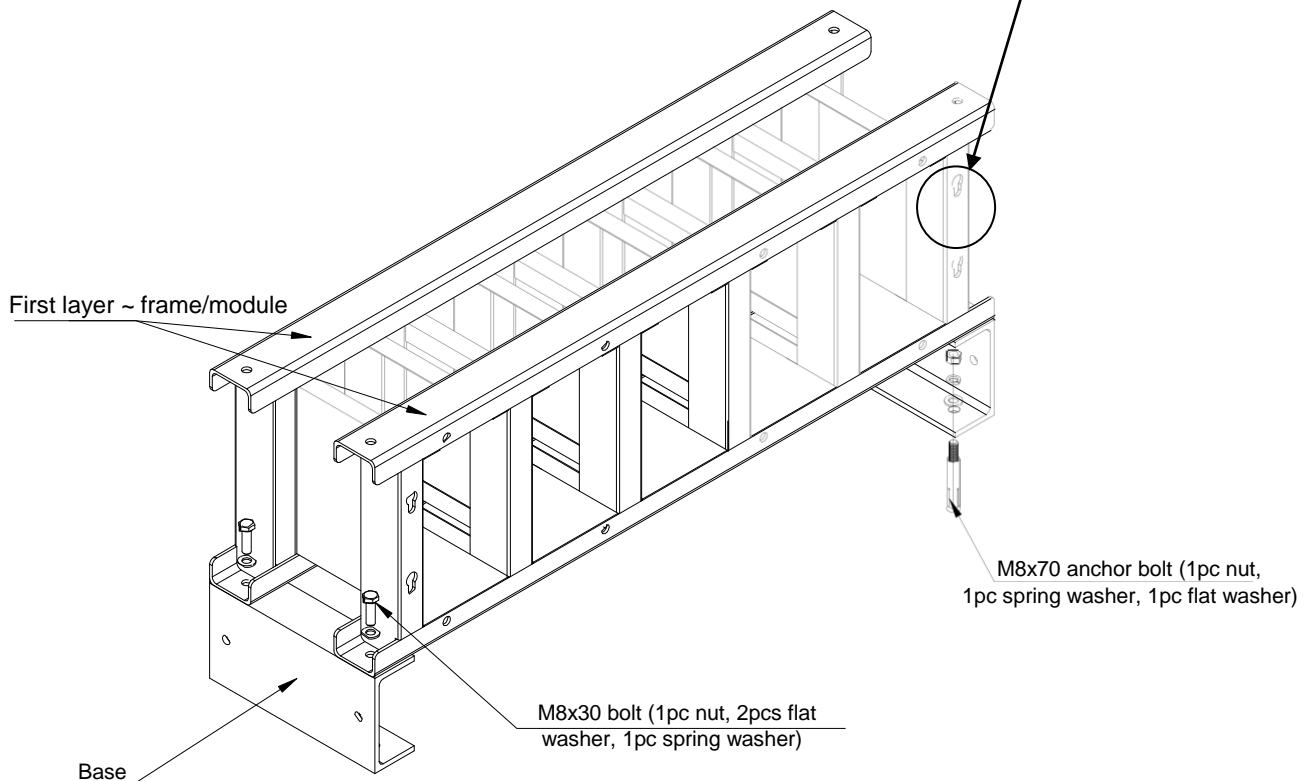


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## 2. Installation steps for Horizontal racks



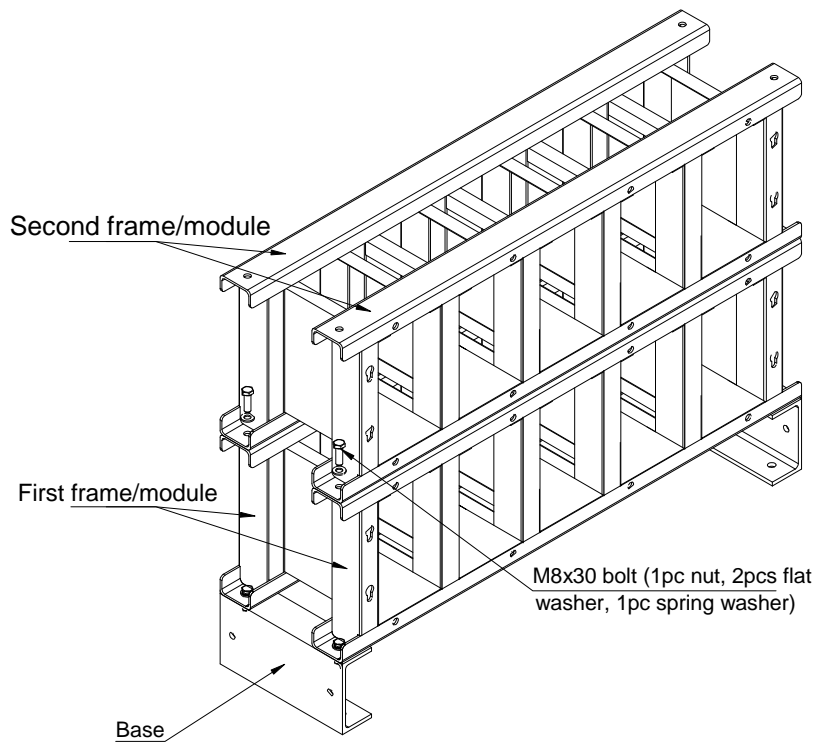
STEP 1: Place the two module bases up-right (as above picture);



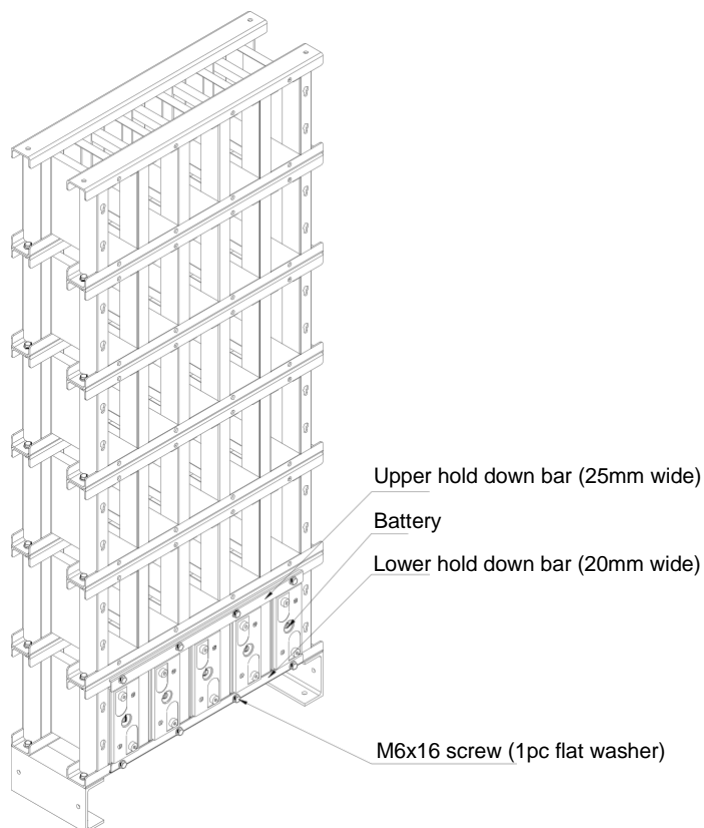
STEP 2: Put the first frame/module on the bases and use M8x30 bolts to attach the frame to the bases (as pictured above - bolt/flat washer/frame/base/flat washer/spring washer/nut).

STEP 3: Move the rack to the desired final location and mark the location of the four anchors. Move the rack out of the way. Using an impact drill, drill anchor holes 55mm deep at the marked locations and drive the M8x70 anchor bolts into the hole. Place the rack over the anchor bolts and use the supplied hardware to anchor the rack - (nut/spring washer/flat washer/base/anchor bolt).

STEP 4: Place the second frame/module on top of the first one. Use M8x30 bolts to attach the second frame to the first one (as pictured below - bolt/flat/frame/frame/flat/spring/nut).

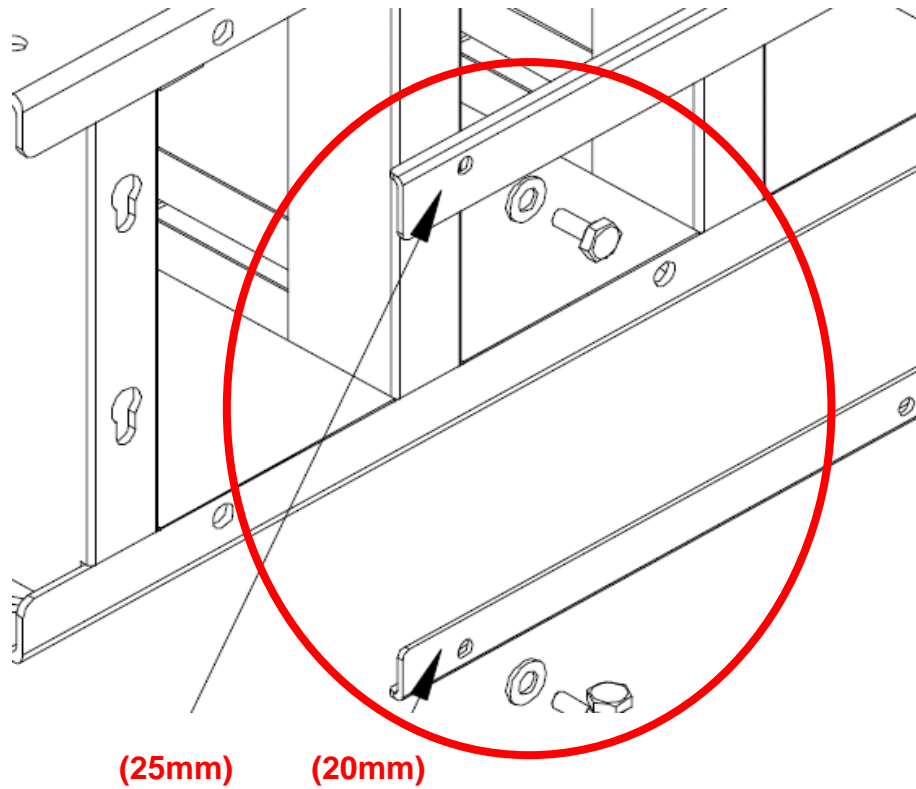


STEP 5: Place the 3rd, 4th, 5th and 6th frame/module on the frames/module below until all frames are installed (make sure all hardware is tight!!!)

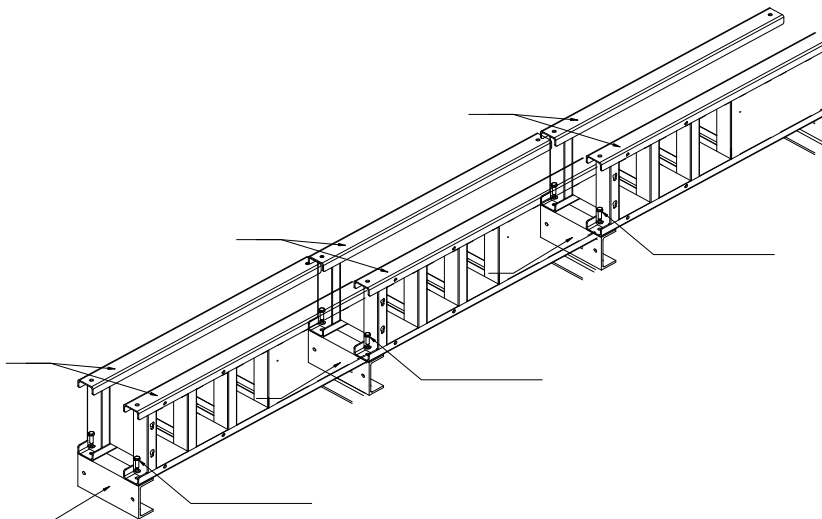


STEP 6: Using the connection diagram or rack drawing, install the batteries from the bottom (paying close attention to the polarity on the diagram). Use the M6x16 screws to attach the upper and lower hold down bars on the frame/module after installing each layer of batteries.

**Note: Upper hold down bar (25mm) is 5mm wider than lower bar (20mm) !**

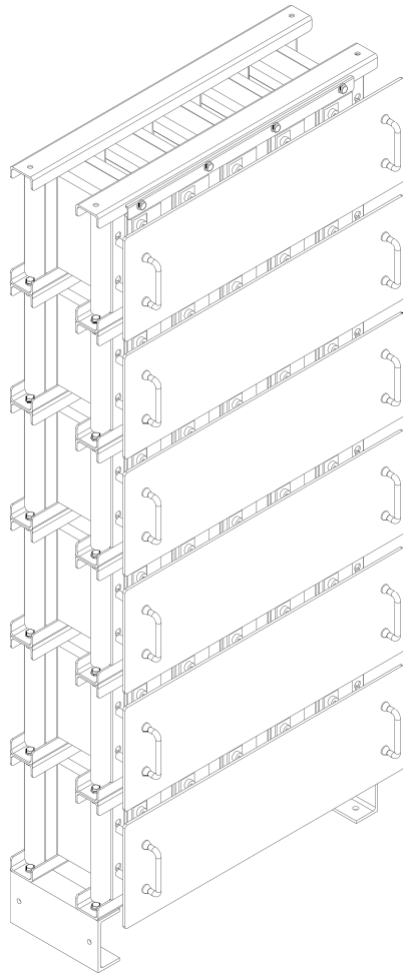


STEP 7: Install additional stacks of racks as required for the installation.



STEP 8: Following the connection diagram install the inter-cell and module to module cables.

STEP 9: Finally install the Plexiglas shields on the frames working from the bottom up.



Note: Shields are not required. The AGM rack systems are provided with insulated intercell connector cables so protection is already in place.