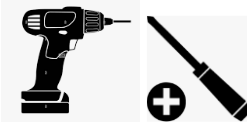# Stacking Multiple BSR-44-BT Racks
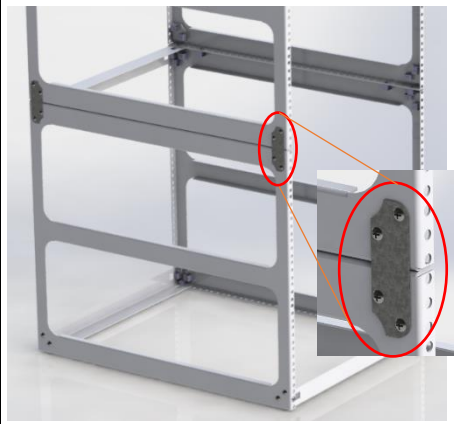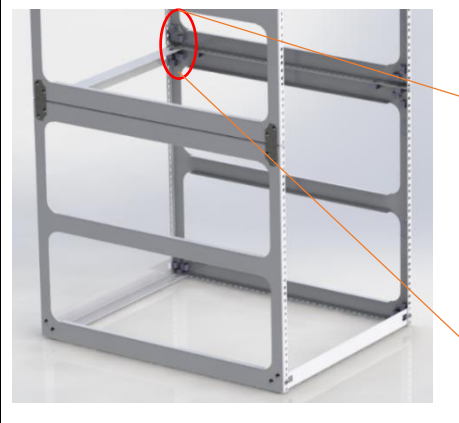
Tools: #3 Philips screwdriver or power screwdriver set to 9 in*Lb. torque (#9)
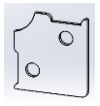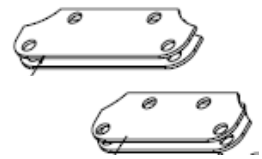
Prior to stacking, each unit should be completely assembled
The following process should be repeated for every new level added to the stack

1		Determine which panel space height you need for each Basic unit **BSR-44-BT**. To prepare for stacking remove the 4 top screws from the bottom unit and the 4 bottom screws from the stacked unit. **Note:** all stacked units must be the same panel height.
2		Place the 2 **BSR-44-BT** basic units on top of each other and **attach them together** using 4 screws **# 7346** and 4 clip nuts **#295** on the **fourth hole** (4) from each corner along the mating flanges of the side panels **44-S-BT**. **Note**: you may need a hand #3 Philips screw driver. The brackets installed in step 4 below will insure stability
3	 ⊘ = minimum required cross beams	As an option, if you would like the maximum panel space, you can remove the front cross Beams **44-BM-BT** except for numbers 1 and 12 in drawing at left. You can also remove either numbers 10 or 7 and numbers 6 or 3. **Note**: At least one cross beam **44-BM-BT** at each level must remain in the rear.

Number of Basic units	Keep cross beam number	optional cross beam number
1	1,2,3,4	
2	1,2,7,8, (3 or 6)	4,5,(3 or 6)
3	1,2,11,12, (3,7 or 6,10)	4,5,8,9, (3,7 or 6,10)

4		If using the rack in the horizontal position (17.5"/ 10 U) add mounting brackets **44-LMB-BT** on the outside of the side panels near every corner where 2 side panels rest on top of each other (see photo left). If using the rack in the vertical position (21.0"/12 U) add the shorter mounting brackets **44-SMB-BT**. See step 5 for final install information **Note:** For the rear holes, you will need to remove the side screws to attach the outside bracket but you will not need to use the internal bracket **44-IMB-BT**. Reuse those same screws
5		On the inside of rack, you will attach an internal connecting bracket **44-IMB-BT** on the inside front to mate with the brackets used above. **Note**: you will need to use an internal bracket **44-IMB -BT** anywhere a cross beam **44-BM-BT** is missing.

The above process should be repeated for every new level added to the stack the number of recommended connecting parts is listed below:

Number of Basic units *BSR-44-BT*	cross-beams *44-BM-BT* + 8 Clip nut *#295*	internal brackets *44-IBM-BT* + 2 Clip nut *#295*	external brackets (Long *44-LBM-BT* for 10 U or short *44-SBM-BT* for 12 U)
1^^	4	0	0
2^^	5-6	4-6	4
3^^	6-8	8-12	8

^^max equipment weight is 300 lb. for any single column