

## **MCC 3000 frame assembly - installation instructions**

A – Standard bus bars for phases A, B, and C

1. Remove the lateral panels (1) in Fig.1 if existing
2. Remove the starters ahead of the principal horizontal bars, the access plate to the isolation screen (2) and/or the metal plate inside the vertical wire-guide.
3. Assemble the sections using the existing 5/16" bolts, washers and nuts (Fig.3). Apply a torque of 27 Nm.
4. Join the bars (4) [Fig.1] using the couplers, the lock-washers, the washers and the 3/8" bolts [Fig.2].
5. The torque for each bolt should amount to 38 Nm.
6. Reinstall the access plates and the wire-guide plates prior to reinsert the starters.
7. For the horizontal bars at 2000 and 3000 A, use the isolations screens and the wireline sockets in order to wrap the bar couplings.
8. All above assemblies are illustrated in Fig.5.

B – Neutral bus bar (optional)

1. If a neutral bus bar exists, it is situated in the horizontal wire guide, behind the metal screen.
2. Remove the metal screen by unscrewing the four screws.
3. Join the neutral bus bars using the same technique as described above for bus bars A, B and C.
4. Reinstall the metal plate.

C – Neutral bus bar (standard)

1. The neutral bus bar can be situated in the lower horizontal wire guide. Alternatively, it can be situated in the upper horizontal wire guide.
2. Remove the 1/4"-20 screws and reinstall the bars connector with the same hardware.
3. Apply a torque of 12 Nm.

Fig.1 Vue de face = face view

Fig.2 Vue de haut = view from above

Fig.3 Rondelles plates = plain washers, rondelle de blocage = lock- washers

Fig.4 Attache de cable = cable socket, écran isolant = isolation screen

Fig.6. eclisse = splice-plate, rondelle plate = plain washer, rondelle Belleville = spring washer.