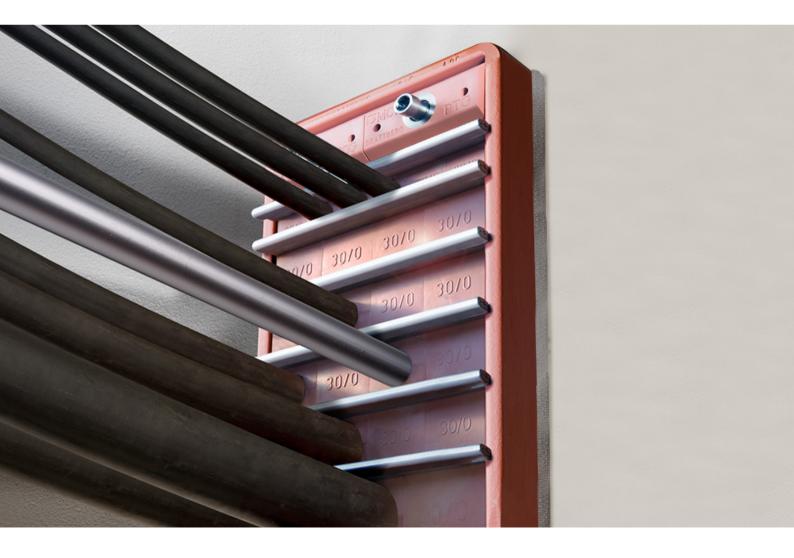


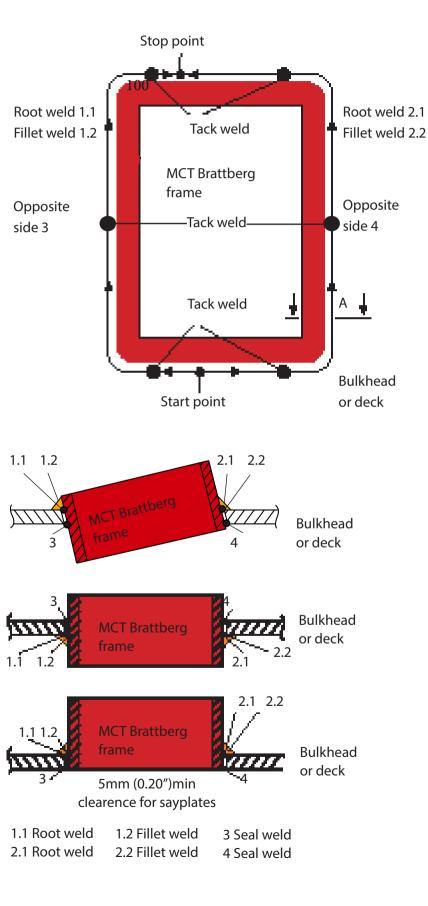
Welding Instruction and Bult-in Instruction



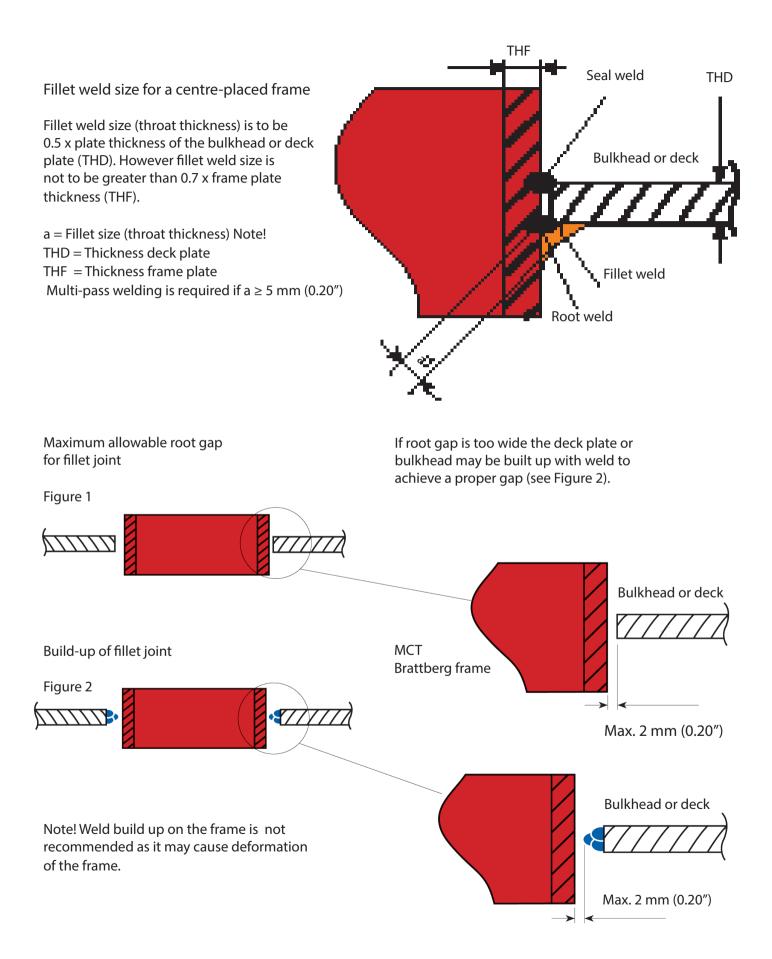
Welding sequence of a two-pass fillet shall be performed in the following steps with minimize heat input.

- 1 Fix with tack weld points, maximum 150 mm (5.90") between.
- 2 Root weld 1.1 and 2.1
- 3 Fillet weld 1.2 and 2.2
- 4 Seal weld 3 and 4

Weld pass 4 is not to be started until weld 2 and 3 are completed!



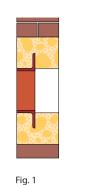
Three different welding sequences



Built-in

RGB frames can be cast directly into concrete walls or floors (figures 1 and 2). Alternatively the frames can be cast into a loose section that is built in later. When the demands for fire safety are extremely high, frames can be mounted back-toback (fig. 3). Such an installation can also be pressure tested.

For there to be sufficient space for the stay plate and compression plate there must be 5 mm (0.2") of clearance between the frame's inside and the cast hole (fig. 4). MCT Brattberg's expanded polystyrenecasting forms implifies fixing when casting and provides the necessary clearance (fig. 5).



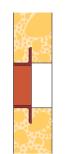
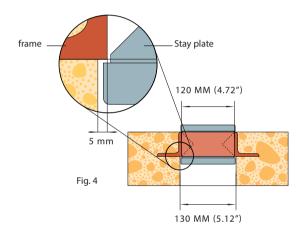
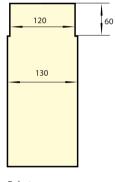


Fig. 2



Fig. 3





Polystyrene casting form Fig. 5



MCT Brattberg's expanded polystyrene casting form.





RGG frames and the flanges of the Counter frame are screwed into the wall (fig. 6). A Lycron sealing strip should be used between the wall and the flange to provide a gas tight seal. The galvanised counter frame is available with three differents tandard depths, which are suitable for the most common wall thicknesses, see below.

RGG and RGGO frames can also be bolted in place with the aid of, for example, expansion bolts. A Lycron Counter frame sealing strip or sealant is used between the frame and the wall to provide a gas tight seal. There are two ways of bolting the frames in position, (figs. 7 and 8). Where practically possible, fig. 7 should always be employed

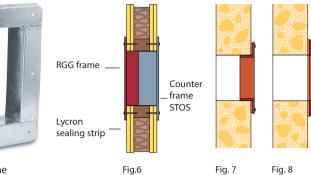
iig. /	should always be employed.	

Wall thickness mm(inches)				
Counter frame/type	Min	Max		
1	80 (3,15″)	110 (4.33″)		
2	110 (4.33")	150 (5,91")		
3	150 (5.91")	190 (7.48″)		

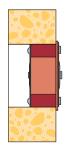
RGP and RGPO frames are installed on one side of the wall when normal demands are made for fire safety, (see fig. 9.) When the satety demands are particularly high two RGP frames are installed back-to-back (fig.10).

RGP can be installed in drilled or cast holes, or in a pipe that is cast in or bolted. Casting is made easier if MCT Brattberg casting forms are used, see picture.









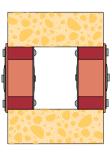


Fig. 9

Fig. 10



MCT Brattberg's casting form.



Sweden

Head office MCT Brattberg AB Phone: +46 - 455 37 52 00 Email: info@mctbrattberg.se

Address SE-371 92 Karlskrona,Sweden

United Kingdom MCT Brattberg Ltd Phone: +44 - 170 624 4890 E-mail: info@mctbrattberg.co.uk

Address Commerce Street Carrs Industrial Estate Haslingden Lancashire BB4 5JT, England USA MCT Brattberg Inc Phone: +1 346 260 9124 Email: sales@brattberginc.com

Address 3332 Spring Stuebner Rd. Suite G, Spring, TX 77379, USA

Australia MCT Brattberg Australia Pty Ltd Phone: +61 (0)44 710 4422 Email: info@mctbrattberg.com.au

Address Level 2, Margaret Graham Building Lot Fourteen 1a Frome Road Adelaide, SA 5000, Australia

United Arab Emirates MCT Brattberg UAE Dubai, United Arab Emirates Phone: +971 50 277 2151 Email: sony.jose@mctbrattberg.ae

Please visit our website for contact information to your closest MCT Brattberg representative: www.mctbrattberg.com