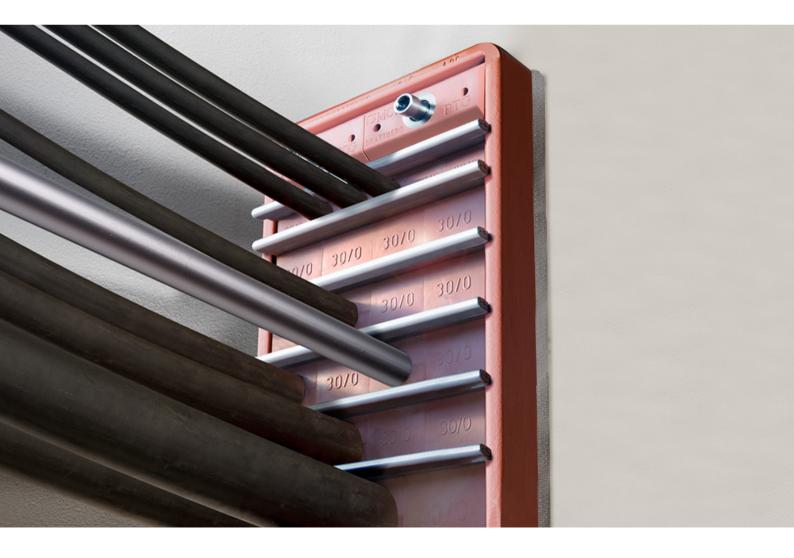
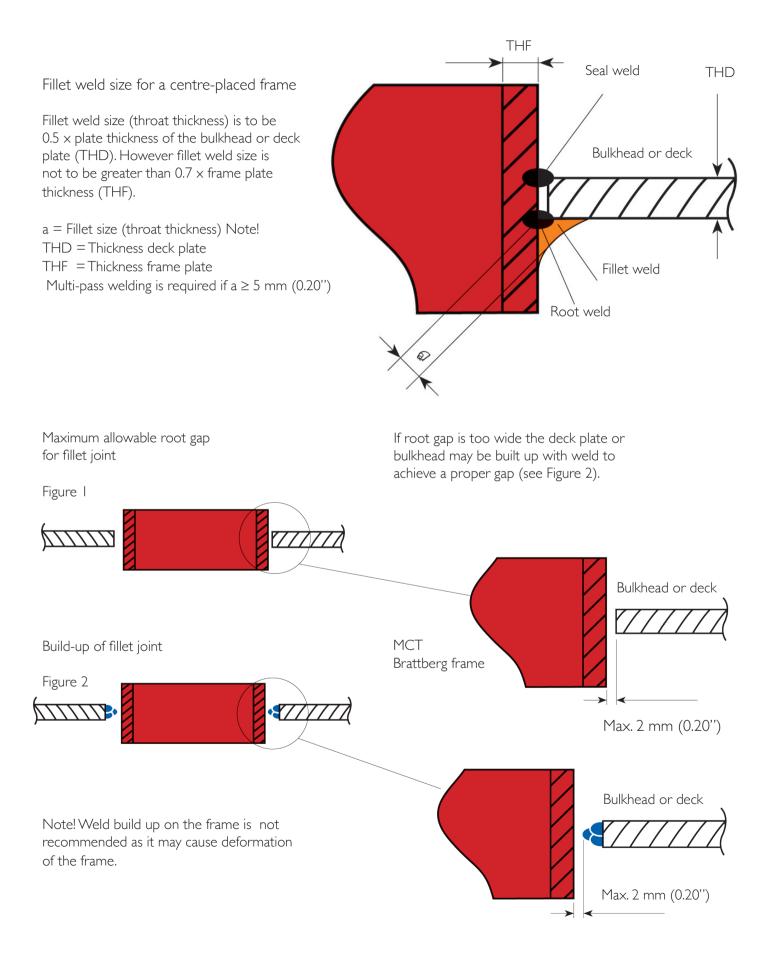


# Welding Instruction and Bult-in Instruction



Welding sequence of a two-pass fillet shall be performed in the following steps Stop point with minimize heat input. I – Fix with tack weld points, maximum 150 mm (5.90'') between. Root weld 1.1 Root weld 2.1 Tack weld Fillet weld 1.2 Fillet weld 2.2 2 – Root weld 1.1 and 2.1 MCT Brattberg 3 - Fillet weld 1.2 and 2.2frame Opposite Opposite 4 – Seal weld 3 and 4 -Tack weld side 3 side 4 Weld pass 4 is not to be started until weld 2 and 3 are completed! Tack weld А ۷ Bulkhead Start point or deck 1.1 1.2 2.1 2.2 Bulkhead Three different welding sequences or deck Bulkhead or deck 2.2 1.2 1.1 2.2 2.1 1.1 1.2 Bulkhead or deck 5mm (0.20'')min clearence for sayplates



## 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 polystyrene casting form simplifies fixing when casting and provides the necessary clearance (fig. 5).

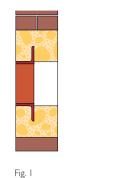
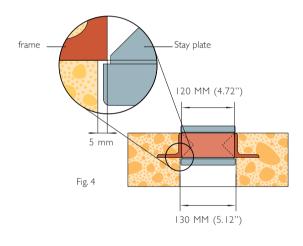


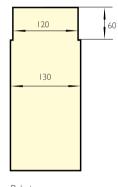


Fig. 2



Fig. 3





Polystyrene casting form Fig. 5



MCT Brattberg's expanded polystyrene casting form.





Counter frame

STOS

Fig.6

**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 different standard 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 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.

Wall thickness mm(inches)		
Counter frame/type	Min	Max
I	80 (3,15")	110 (4.33'')
2	110 (4.33'')	50 (5,9 '')
3	50 (5.9 '')	190 (7.48'')

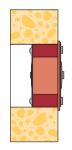
Counter frame



Fig. 7

**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.



RGG frame

Lycron sealing strip

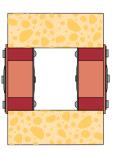


Fig. 9

Fig. 10





MCT Brattberg's casting form.



www.mctbrattberg.com

MCT Brattberg AB SE-371 92 Karlskrona Sweden Phone: +46-455 37 52 00 Fax: +46-455 37 52 90 E-mail: info@mctbrattberg.se Website: www.mctbrattberg.se MCT Brattberg Ltd Commerce Street Carrs Industrial Estate Haslingden Lancashire BB4 5JT England Tel: +44 - 170 624 4890 Fax: +44 - 170 624 4891 E-mail: info@mctbrattberg.co.uk MCT Brattberg Inc 3332 Spring Stuebner Rd. Suite G, Spring,TX 77379 USA Mobile: +1 346 260 9124 Email: sales@brattberginc.com MCT Brattberg Australia Pty Ltd Level 2, Margaret Graham Building Lot Fourteen Ia Frome Road Adelaide, SA 5000 Australia Phone: +61 (0)44 710 4422 Email: info@mctbrattberg.com.au

#### We have representatives in:

Austria - Australia - Bulgaria - Brazil - Canada - China - Croatia - Denmark - Egypt - Finland - France - Germany - Greece - Hong Kong - Hungary - Iceland - India Indonesia - Ireland - Israel - Italy - Japan - Korea - Malaysia - Netherlands - New Zealand - Norway - Oman - Philippine Islands - Poland - Portugal - Qatar Romania - Russia - Saudi Arabia - Singapore - Spain - South Africa - Switzerland - Taiwan - Turkey - Thailand - UAE - Ukraine - United Kingdom - USA

Visit our website or contact MCT Brattberg for details of your nearest distributor.