Building the LS17 Highway into a wall being built

Step 1, see fig 1

Insert the grub screws into the threaded inserts of the letterplate then secure to the front sleeve using the 2 nylocs.

Step 2, see fig 2

The rear chute has 2 sets of securing holes, the set required will depend on the depth of the wall. The diagram shows the set used for deeper walls. Place 2 nylon washers onto each of the 4 securing bolts and loosely screw into the securing holes. Position the washers as shown.

Step 3, see fig 3

Slide the 2 sections together ensuring that the securing bolts locate in the adjusting slots with a nylon washer either side of the section. Set the overall depth of the chute to a little larger than the thickness of the wall and lock the securing bolts up with the 5mm allan key.

Step 4, see figs 4, 5 and 6

Build the brickwork up to the levels of the chute assembly.

Use the chute assembly as a guide and cut the bricks to shape. The slope on the rear wall is not critical but the front wall needs to be reasonably good. The slope angle is 28 degrees.

Note the notch cutout on the front wall, the dimensions are shown below

• D = 15mm, the depth of the notch • H = 16mm, the height of the notch

Step 5, see fig 7

Continue to build the wall around the letter chute. Note that the gap above the top of the chute needs to be perpendicular to the wall, this is to allow the flap to open fully.

While building ensure that the chute assembly remains free and after building past the chute, release the 2 halves of the assembly and remove until the wall has set.

Step 6, see fig 8

Apply a small bead of clear silicon around the top and sides (not the bottom) of the flange on the rear section, then with the help of an assistant slide the front and rear sections together through the gaps in the wall. The securing bolts should locate in the adjustment slots of the front section. Ensure that there is a nylon washer either side of the adjustment slot as illustrated.

Step 7, see fig 9

Keeping the sections in place, tighten the 4 securing bolts.

Where the letterplate meets the wall, run a bead of clear silicon around the top and sides (not the bottom), also seal the internal join by running a bead of silicon on the inside of the chute where the front and rear sections meet.

Building the LS17 Highway into an existing brick wall

Step 1, see fig 1

Insert the grub screws into the threaded inserts of the letterplate then secure to the front sleeve using the 2 nylocs.

Step 2, see fig 10

Cut a hole 296mm high by 79mm wide at the required letterplate position as shown. Note the shape of the bottom cutout, the top should be cut perpendicular to the wall.

- A = 16mm, the height of the notch at the bottom of the cutout
- B = 15mm, the depth of the bottom notch
- C = 280mm, the distance from the top of the cutout to the top of the bottom notch
- H = 296mm, the overall height of the cutout
- W = 79mm, the overall width of the cutout

• The angle of the slope is 28 degrees

Step 3, see fig 11

Cut a hole in the rear face of the wall 283mm high by 87mm wide. The horizontal position of the rear cutout should be central to the front cutout. The vertical position is determined by the depth of the wall. For a standard double brick wall (215mm thick), the top of the rear hole will be approximately 107mm below the top of the front hole. For a standard cavity wall (280mm and shown in the illustration) the distance will be approximately 142mm.

• A = 107mm for a standard double wall • A = 142mm for a standard double wall • H = 283mm, the overall height of the cutout • W = 87mm, the overall width of the cutout

The angle of the slopes is 28 degrees. The angle of the top of cutout should follow this as close as possible. The bottom cutout is not so critical and can be perpendicular to the wall.

Step 4, see fig 2

The rear chute has 2 sets of securing holes, the set required will depend on the depth of the wall. The diagram shows the set used for deeper walls. Place 2 nylon washers onto each of the 4 securing bolts and loosely screw into the securing holes. Position the washers as shown.

Step 5, see fig 8

Apply a small bead of clear silicon around the top and sides (not the bottom) of the flange on the rear section, then with the help of an assistant slide the front and rear sections together through the gaps in the wall. The securing bolts should locate in the adjustment slots of the front section. Ensure that there is a nylon washer either side of the adjustment slot as illustrated.

Step 6, see fig 9

Keeping the sections in place, tighten the 4 securing bolts.

Where the letterplate meets the wall, run a bead of clear silicon around the top and sides (not the bottom), also seal the internal join by running a bead of silicon on the inside of the chute where the front and rear sections meet.

Figures 1-6

Fig 1

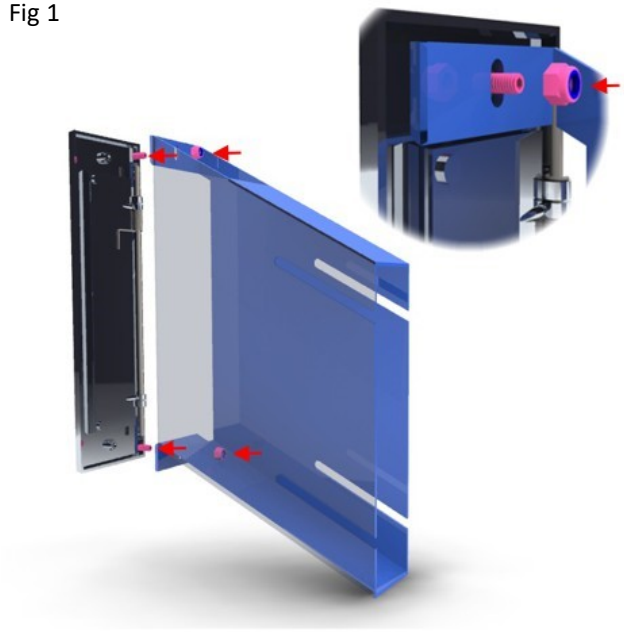


Fig 2

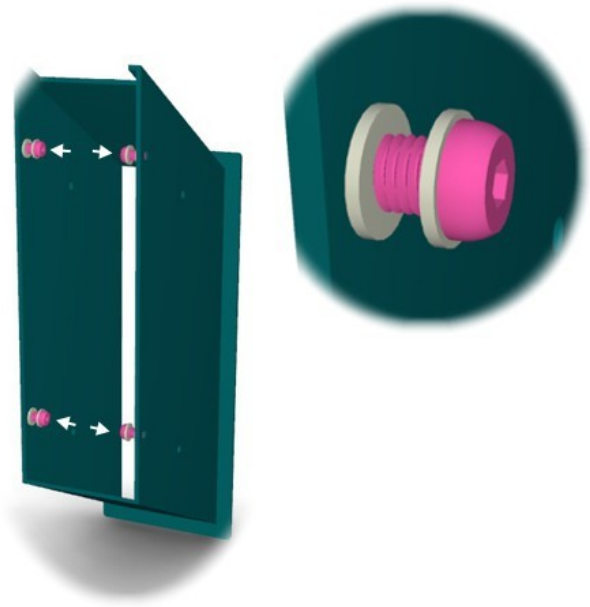


Fig 3

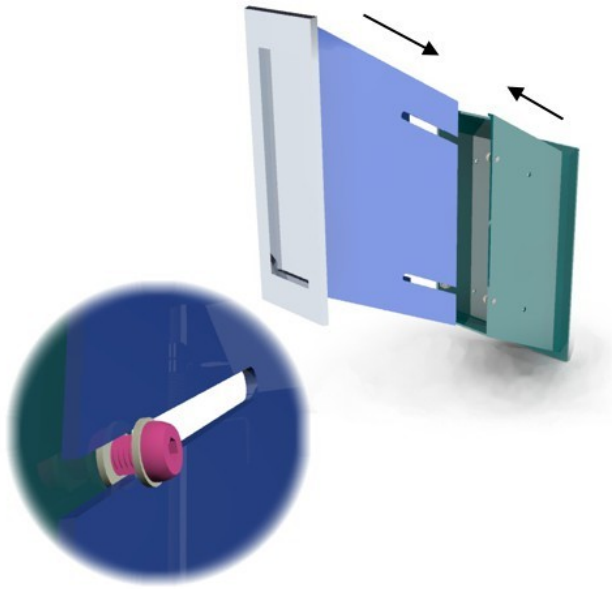


Fig 4

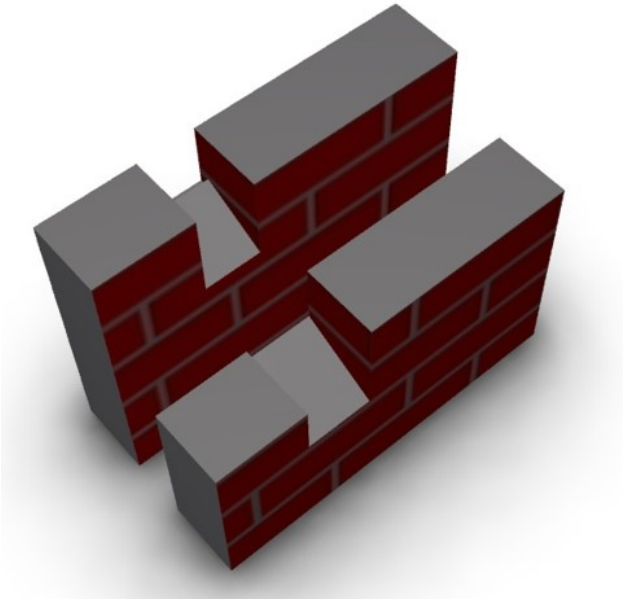


Fig 5

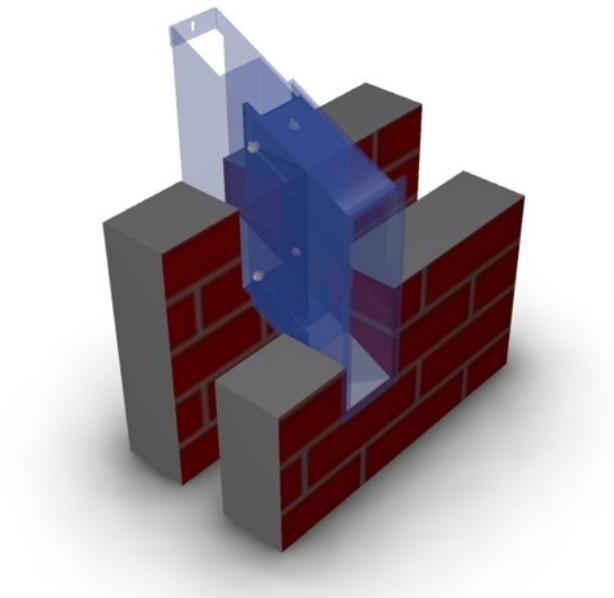
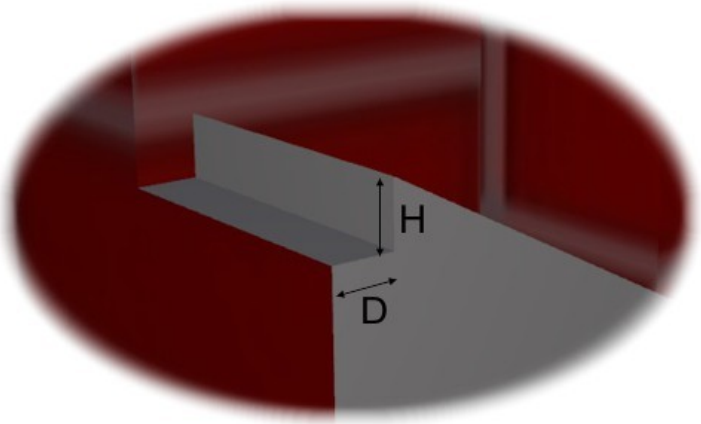


Fig 6



Figures 7-11

Fig 7

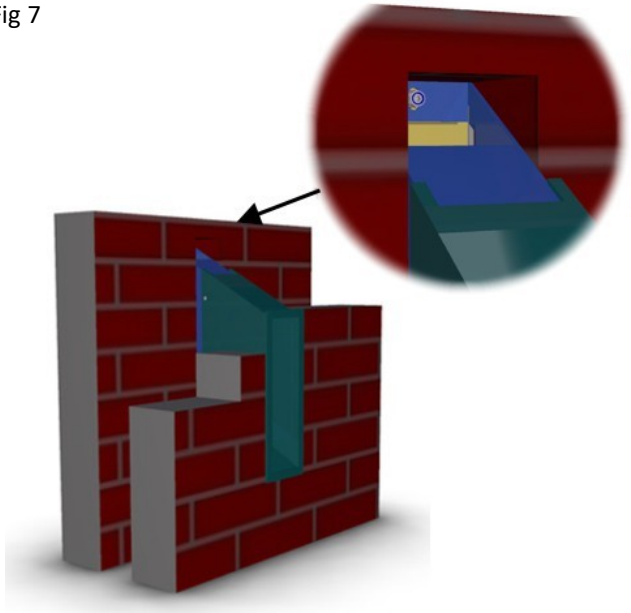


Fig 8

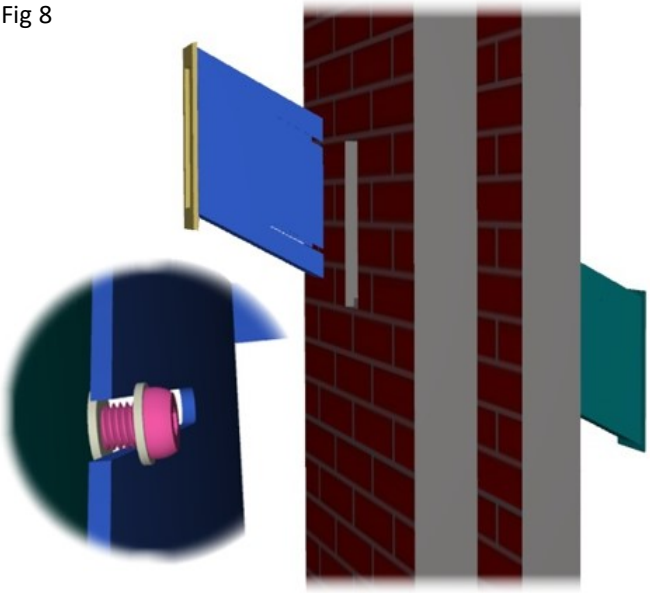


Fig 9

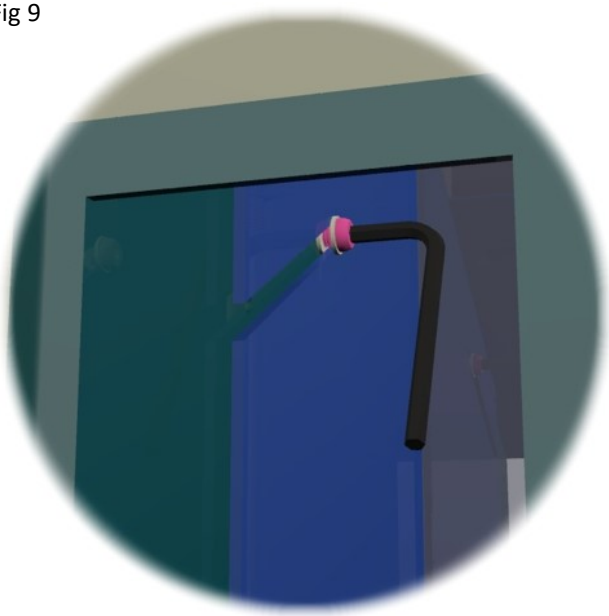


Fig 10

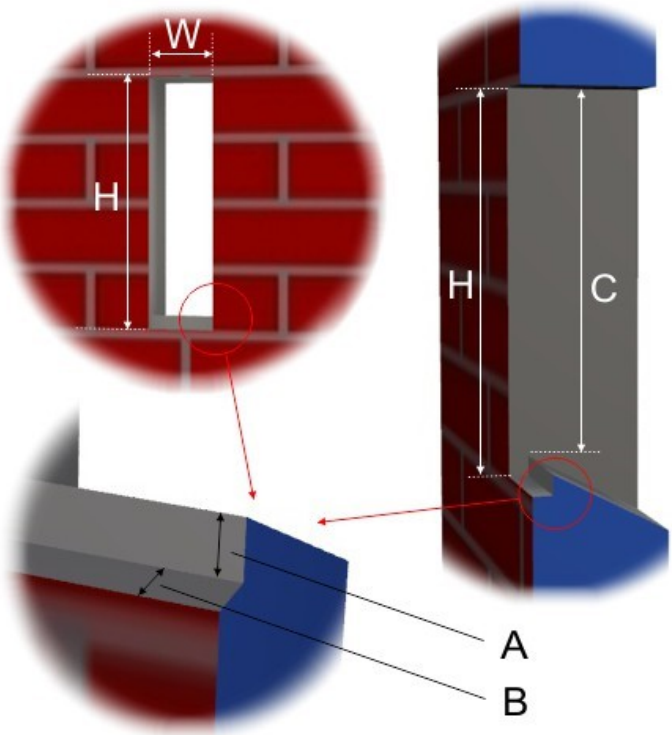


Fig 11