

EasyClean & EasyClean+ LST Radiant Skirting Heating Installation Instructions

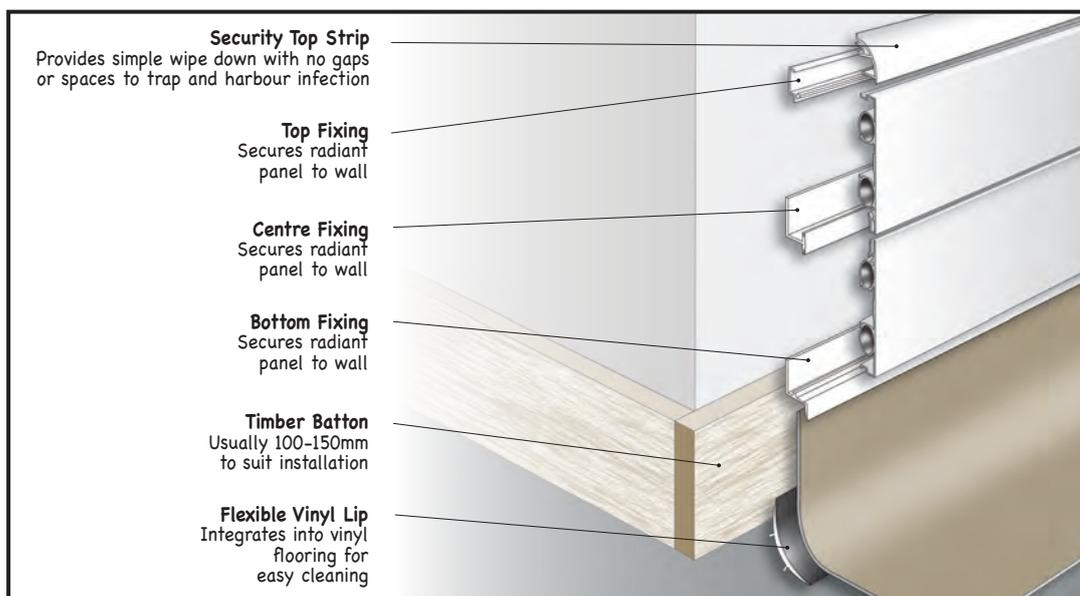
Follow these instructions to ensure a simple, safe and secure installation of your EasyClean heating system.

Your ThermaSkirt system must be cleansed and protected by a corrosion inhibitor suitable for aluminium radiators, as required by BS 7593:2006 'Code of Practice for treatment of water in domestic hot central heating systems'. DiscreteHeat recommends our own TS3 Cleanser and TS5 Inhibitor or Scalemaster CM5 or CM10.
FAILURE TO PROTECT YOUR SYSTEM WILL INVALIDATE YOUR WARRANTY

Before you start:

Recommended order of installation.

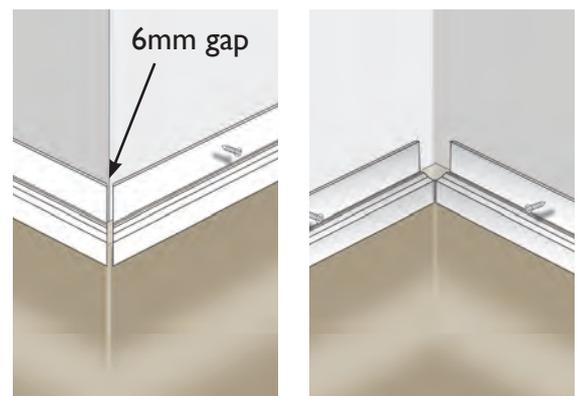
1. 1st fix feed and return pipework in accordance with attached template (P6, 7 & 8) and with reference to the timber ground/base.
2. Installation of 22mm (or 19mm –see below) Timber ground of height to suit specification usually 100mm (4") or 150mm (6").
3. Flooring – usually vinyl of 2~3mm onto 38mm radius floor coving.
4. Wall covering – usually 2mm vinyl from 1.2m high down to timber ground.
5. EasyClean installation. See the following instructions.



A) Securing the bottom hygienic mounting rail

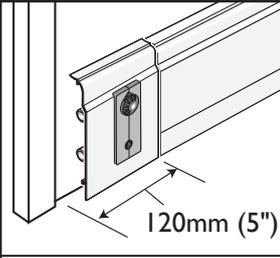
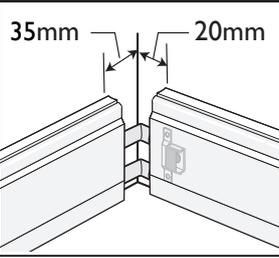
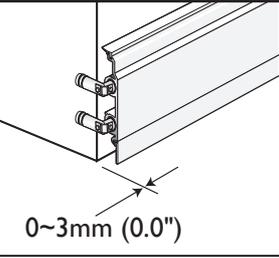
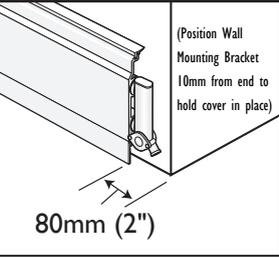
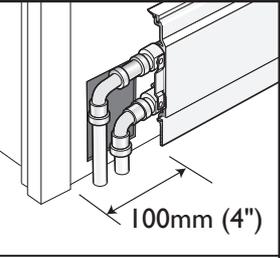
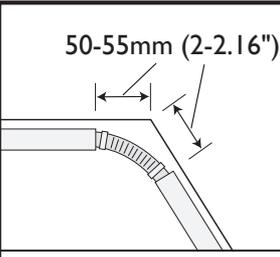
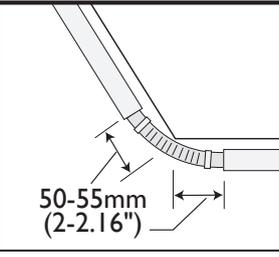
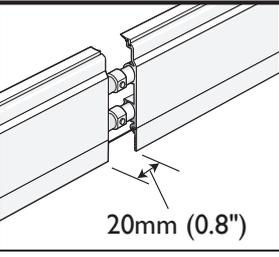
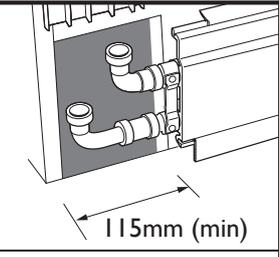
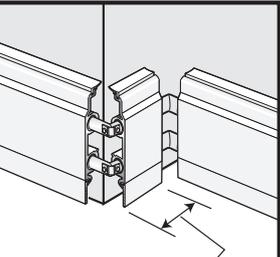
Using the extruded 6m lengths, cut to size. In internal corners, there is no need to mitre the ends, but leave no more than a 25mm (1") clearance from end to wall. External corners should be mitred, but avoid creating a sharp edge by leaving a 6mm (1/4") gap which will be sealed with anti-pick mastic.

Secure the bottom rail to the wall at regular intervals (800 ~1,000mm / 3'~3'3") along the length and no more than 150mm (6") from any end, using appropriate screws and rawlplugs if required. If specified, the bottom seal edge can be bonded to the flooring for a perfect hygienic barrier.

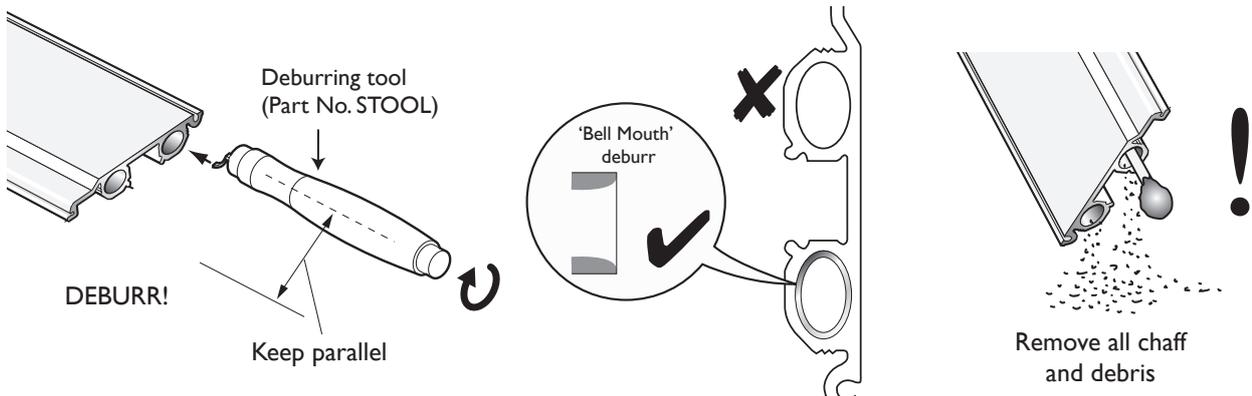


B) Cutting the EasyClean radiant panels to length

Use the following cutting allowances for the various connectors and joints to calculate the correct length of each panel.

				
TRV Feed/return	Internal corner	External corner	Return manifold	Non TRV feed & return / threshold kit
				
Odd angle - internal	Odd angle - external	In-line joint (> 6m walls)	Door architrave kit	Minimum active length = 55mm (2.16 inch)

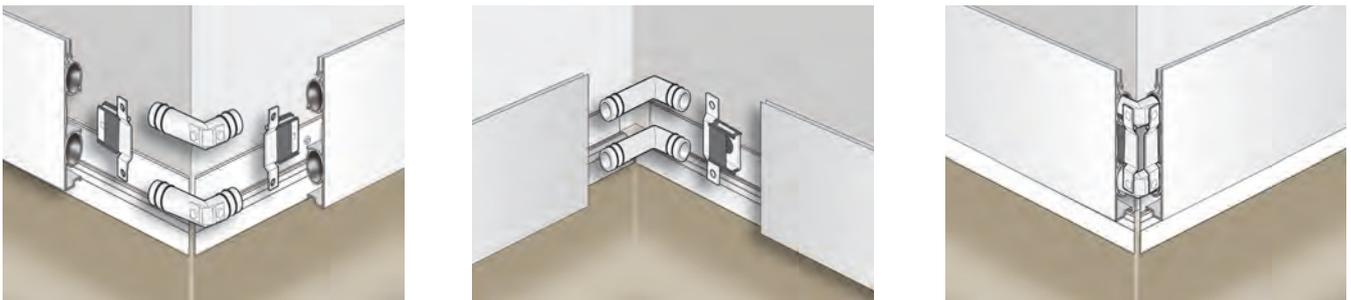
Deburring the panels



C) EasyClean+ installation Only (For EasyClean, please go to Section G)

NOTE: EasyClean+ lower panel is mounted 'upside down' with the open edge upwards, in order to receive the upper section.

With the appropriate connectors (and clip) inserted, locate the bottom radiant panel onto the bottom mounting rail, and move onto the next panel, working away from the feed and return point. Ensure that when connecting corners and in-line joints the connector clip is properly located onto the 'pegs' of the moulded fitting.



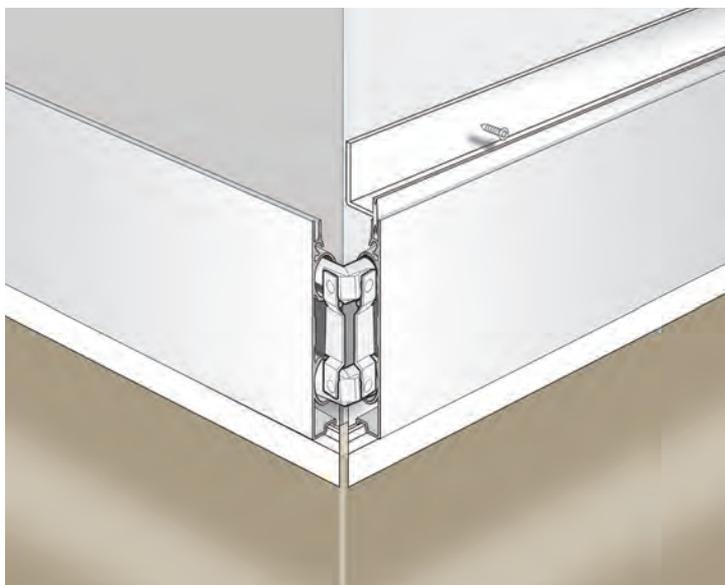
TIP: If any of the mounting rails interfere with the elbows or return manifold, then the mounting rail can be nibbled away using pincers.

E) Fixing the intermediate mounting rail. (EasyClean+ only)

With all the lower radiant panels installed and connected, cut the 6m lengths of the intermediate mounting rail to suit.

With the 'long leg' up, gently tap the rail into the groove on the upturned EasyClean panel, using a soft face mallet or similar.

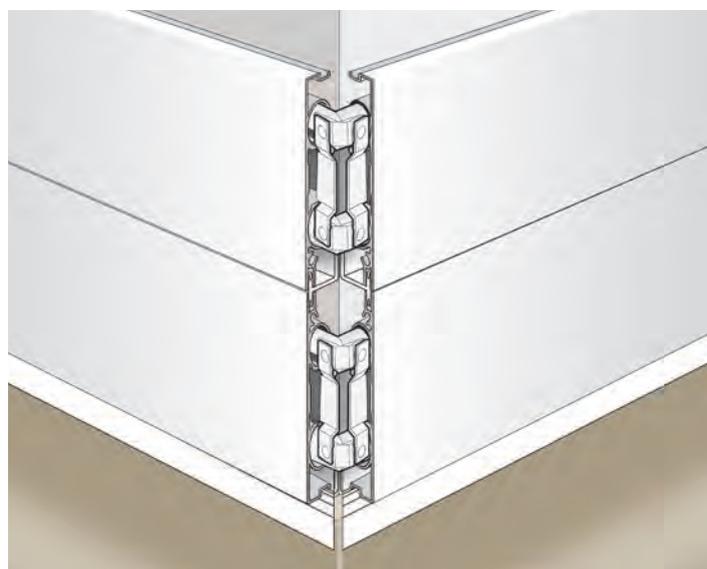
When clipped into the groove, secure the intermediate rail to the wall every 1,000mm (3'3") or so using suitable screws and fixings.



F) Installing the upper (EasyClean+ only)

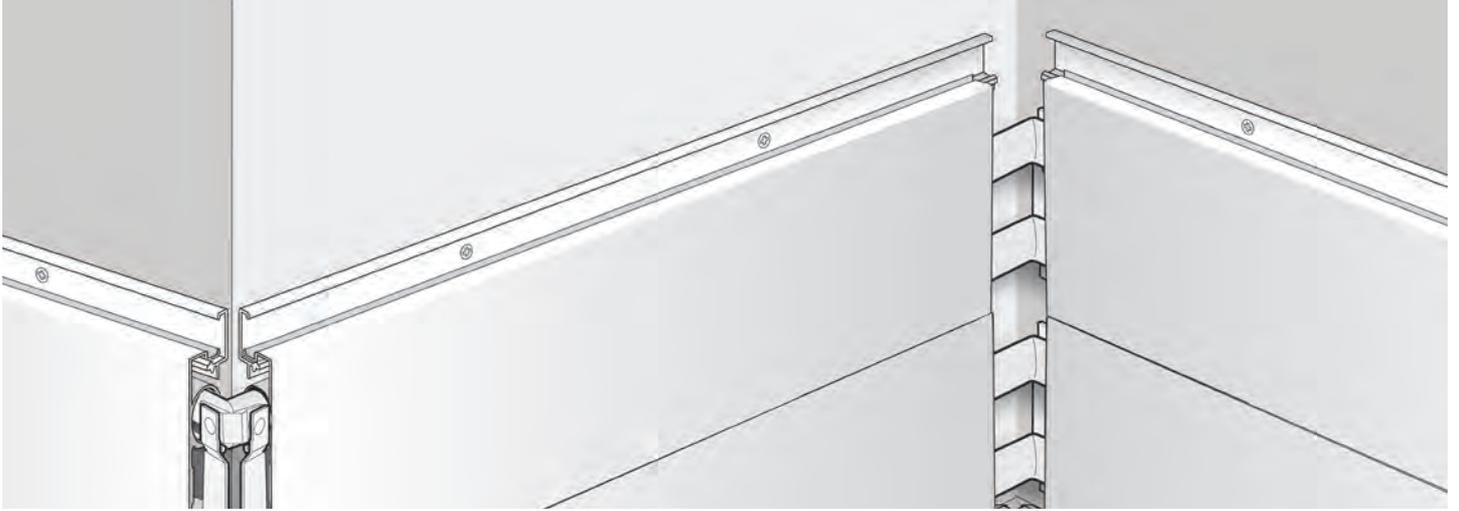
Using the cutting allowances from Section B, cut the upper EasyClean radiant panels and deburr properly. In the same way as in Section C, with the appropriate connectors and clips inserted, install the sections starting from the feed and return point, and moving around the room. Connect sections together before fully locating down onto the mounting rail.

When complete, tap the bottom edge of the EasyClean panel onto the intermediate rail, using a soft face mallet or similar. Ensure there is no gap between the upper and lower sections.



G. Installing the top Security mounting rail (Easy Clean & EasyClean+)

Cut the 6m top mounting rails to the appropriate lengths. At internal corners a mitre is not required, but no more than 25mm (1") clearance should be allowed. At external corners it is preferable to cut to the corner. Drop the top Security rail into the top channel of the EasyClean panel, and click home. Secure the security rail to wall using appropriate fixings every 800~1,000mm (3'~3'3"), but no nearer than 150mm (6") from an end, corner or joint.



H) Installing the stainless steel covers (EasyClean & EasyClean+)

Note: It is suggested that the system be filled and pressure tested before the covers are fitted. Systems should be cleansed and inhibited to prevent chemical corrosion. (See Page 1)

COVERS MUST BE FITTED BEFORE THE TOP SECURITY CAPPING!

The stainless steel cover edges should be inserted between the bottom/top of the EasyClean panels and the bottom/top mounting rails. If the rails have been fixed correctly with a fixing screw no closer than 150mm(6") from the joint, there should be sufficient 'give' to allow the covers to squeeze in and latch on. A soft face mallet or similar may be used, but only at the folded edges of the covers and not in the middle to avoid distortion.

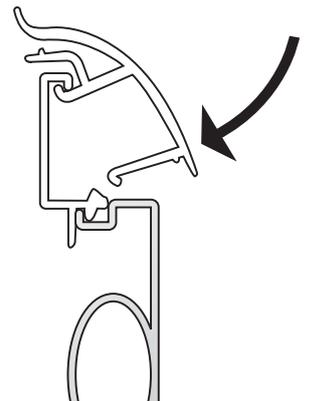
I) Fitting the top Security Capping (EasyClean & EasyClean+)

Note: It is strongly recommended that the system is filled and pressure tested before the Top Security Capping is installed. Systems should be cleansed and inhibited to avoid chemical corrosion. (See Page 1)

Cut the 6m sections to the appropriate lengths. At internal corners a small gap of up to 6mm (1/4") may be left to aid installation, which must be subsequently sealed with anti-pick mastic. At external corners a gap of 8~10mm (1/3"~3/8") should be left to avoid creating a sharp corner. This gap **MUST** be subsequently sealed with anti-pick mastic.

To install the Security capping (starting from the feed and return point)

1. Locate the top clip of the capping into the horizontal groove in the Security mounting rail.
2. Rotate the Capping to wall until the bottom clip meets the retaining groove.
3. Push hard. You will hear/feel a solid click. Work your way along the length, ensuring each section is full 'snapped' home.
4. The top edge of the capping is formed as a flexible gasket to provide a water resistant seal to the wall. Additional sealants are therefore not normally required.





J. Removing Security Capping. (EasyClean & EasyClean+)

The security capping is designed to provide a high degree of safety, security and anti-ligature. As a result removal of the Security Capping is deliberately difficult and only possible with suitable tools. Discrete recommends a flat bladed paint scraper or similar (which would not ordinarily be available to occupants).

- a) Carefully slide the paint scraper blade between wall covering and top seal
- b) Locating onto the capping moulding, push down hard &
- c) Twist the blade, using the wall as leverage to force the capping off the security rail.
- d) Repeat, moving down the length of the capping, releasing small sections at a time.
- e) Once a reasonable length (1m or so) has been released it should be possible to peel the security capping off the security rail.

K. Maintaining & Cleaning your EasyClean System. (EasyClean & EasyClean+)

The system has been designed and developed to be maintenance free. Apart from maintaining inhibitor in the system to prevent chemical corrosion, there are no parts to maintain.

Cleaning is a simple wipe down with ordinary cleaning materials such as anti-bacterial sprays, mild bleach solutions or any reasonably diluted cleansers as part of the normal cleaning cycle.

The paint finish is epoxy powder coating and so is resistant to all but the most aggressive thinners and paint strippers. The top & bottom mounting rails are UpVC and are tolerant to all cleaning and disinfectants ordinarily found in the healthcare sector. Very aggressive chemicals and solvents such as MeK, or thinners should be avoided.

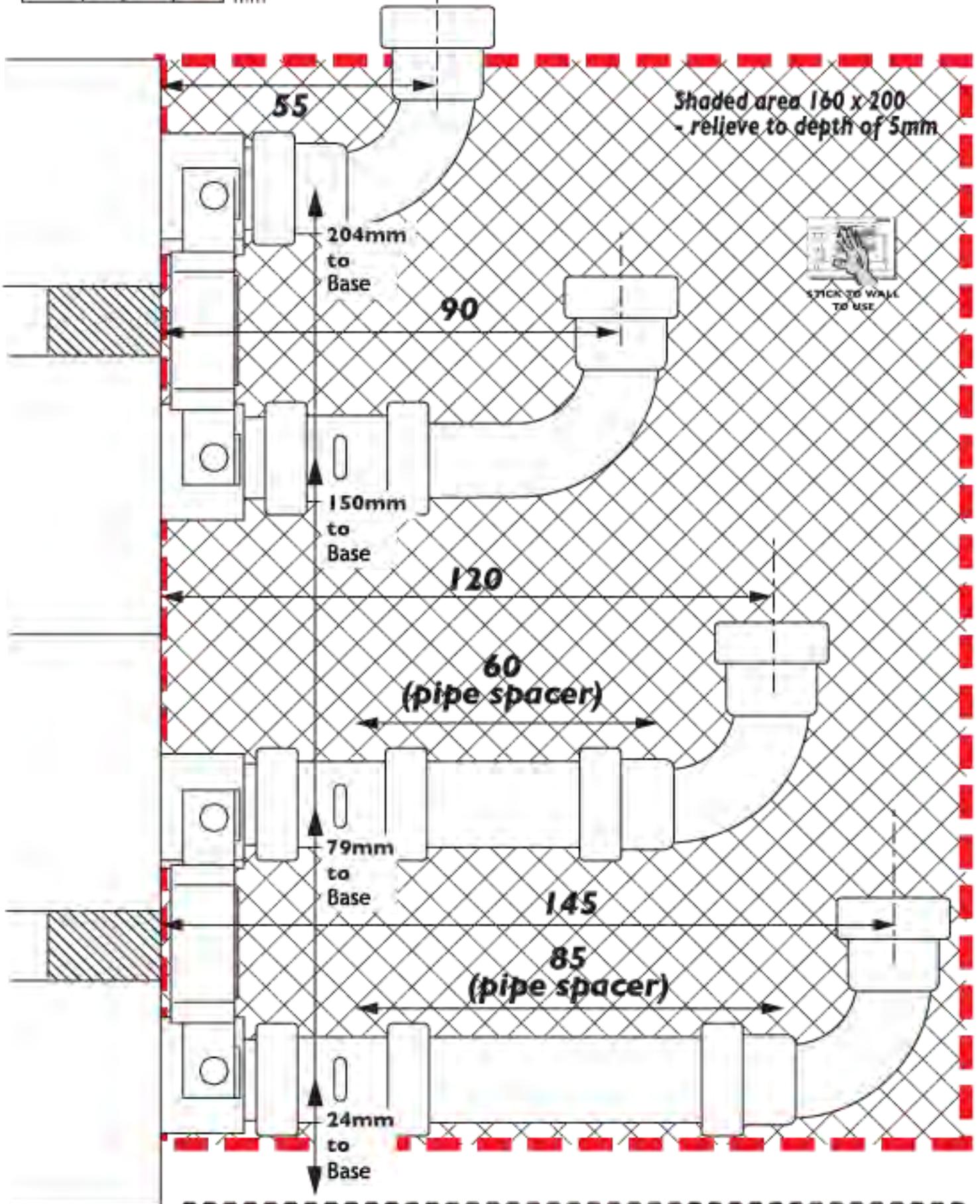
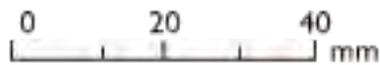


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DOUBLE DECKER INSTALLATION TEMPLATE (RH End, Vertical drop shown)

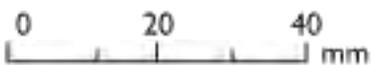
DO NOT SCALE DRG WHEN PRINTING



Vertical pipe drops shown. Reverse for through-floor feed & returns (see P2)

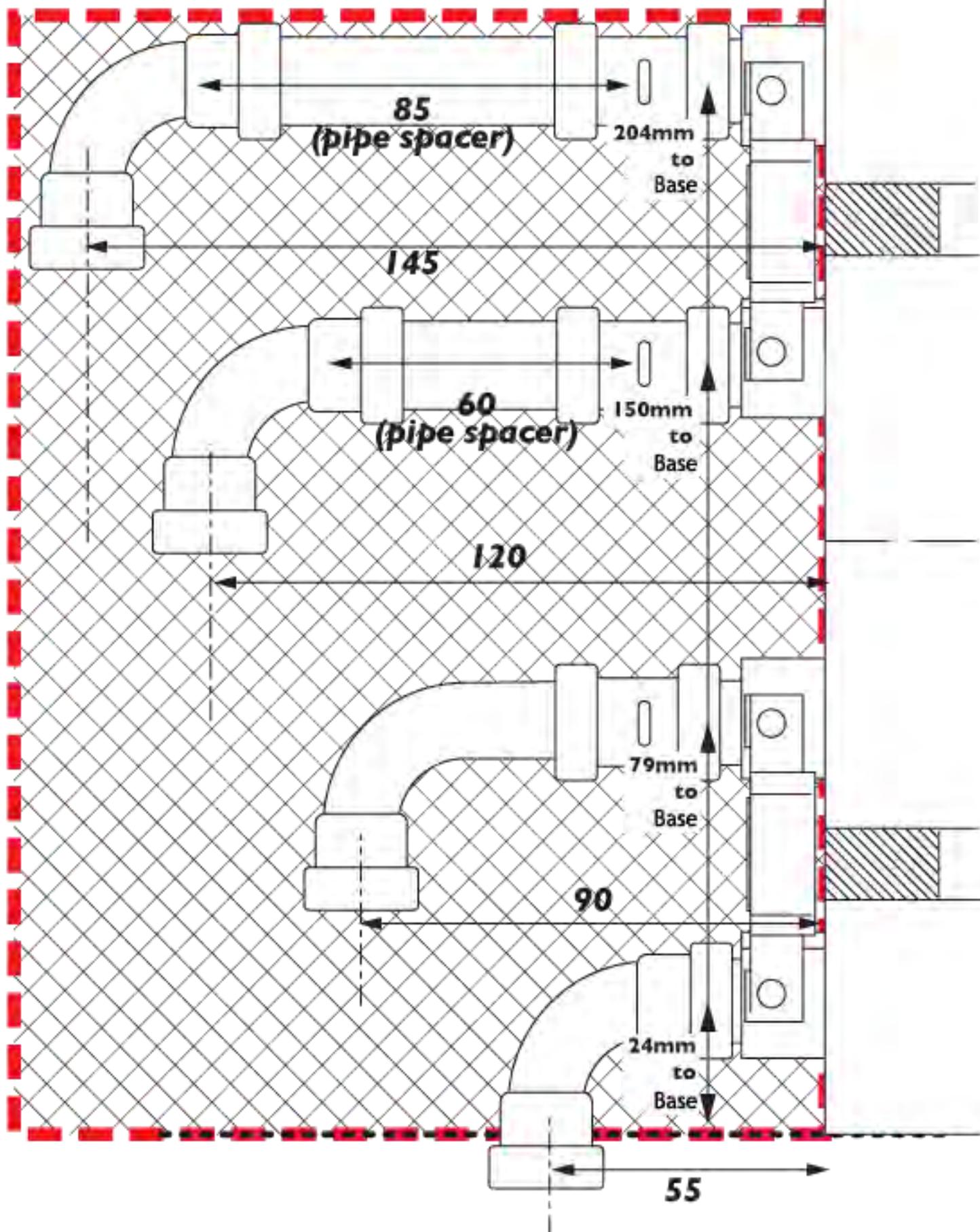
DOUBLE DECKER INSTALLATION TEMPLATE (LH End, Through floor shown)

DO NOT SCALE DRG WHEN PRINTING



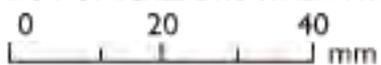
STICK TO WALL
TO USE

**Shaded area 160 x 200
- relieve to depth of 5mm**

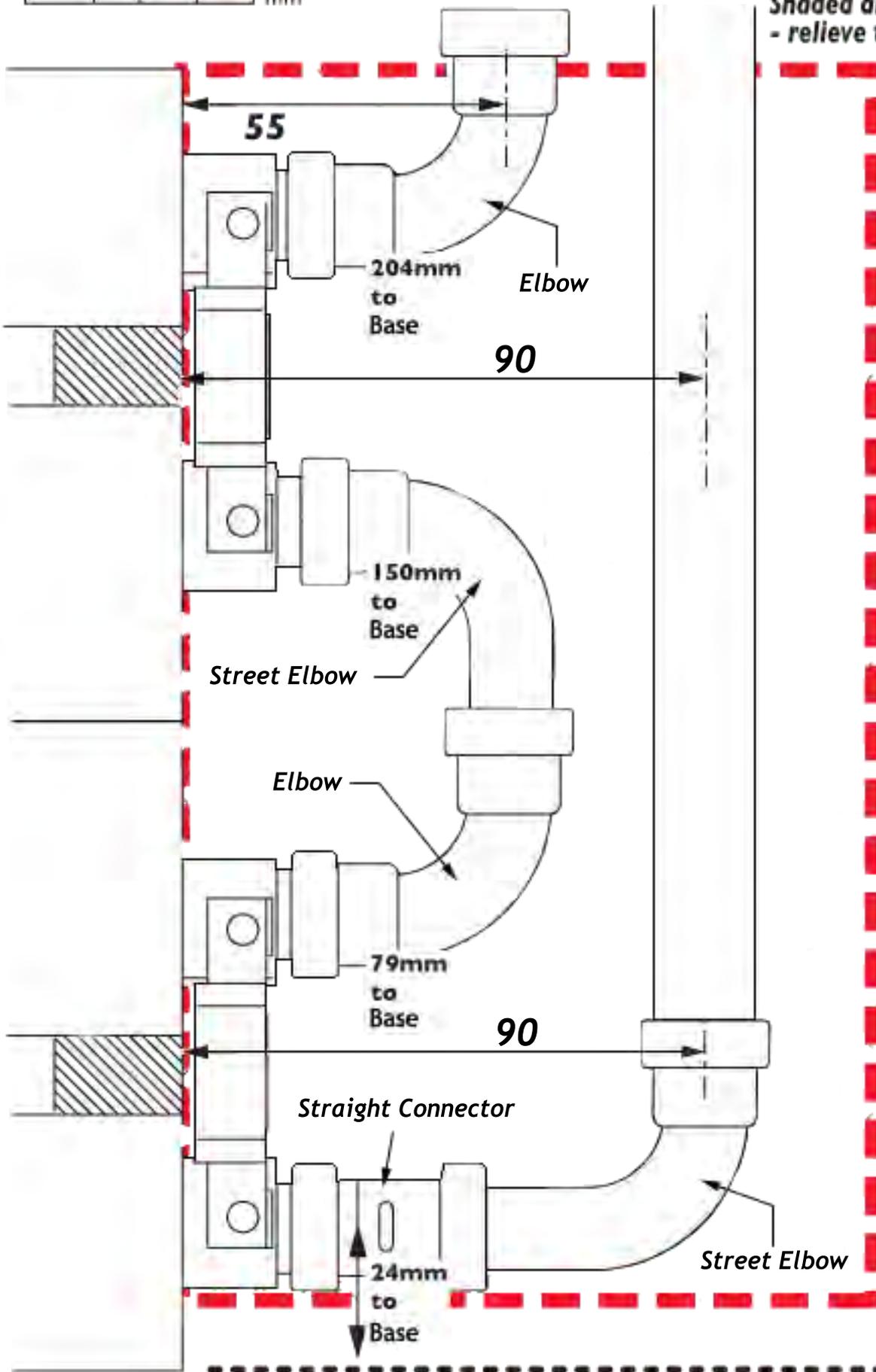


DOUBLE DECKER INSTALLATION TEMPLATE (RH End, Vertical drop shown)

DO NOT SCALE DRG WHEN PRINTING



**Shaded area 120 x 220
- relieve to depth of 5mm**



Vertical pipe drops shown. Reverse for through-floor feed & returns (see P2)