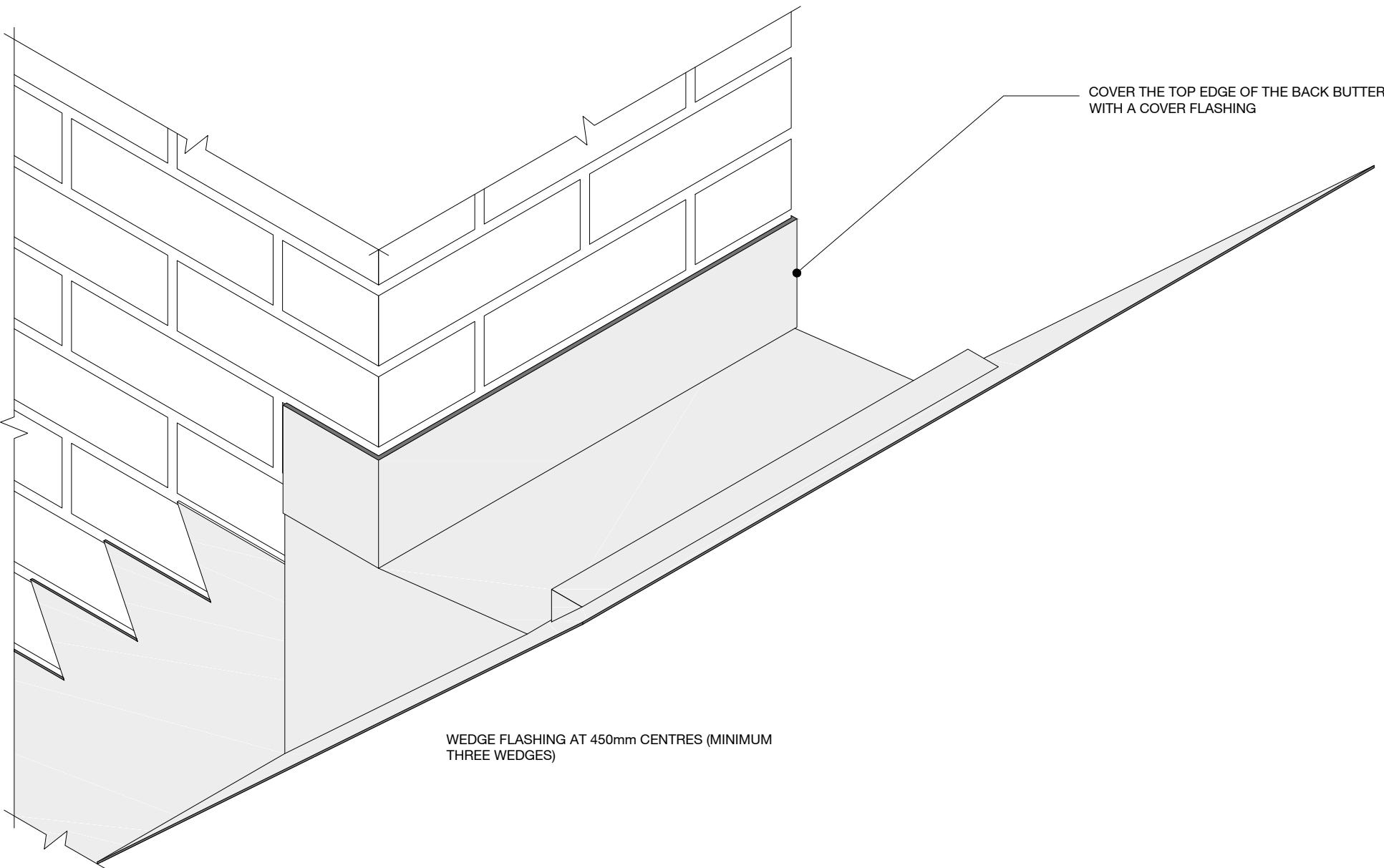
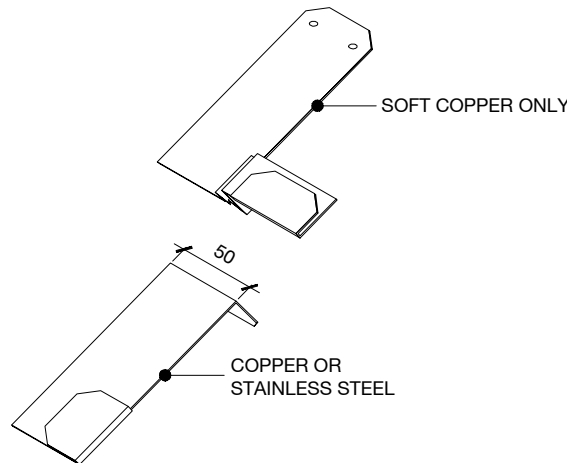
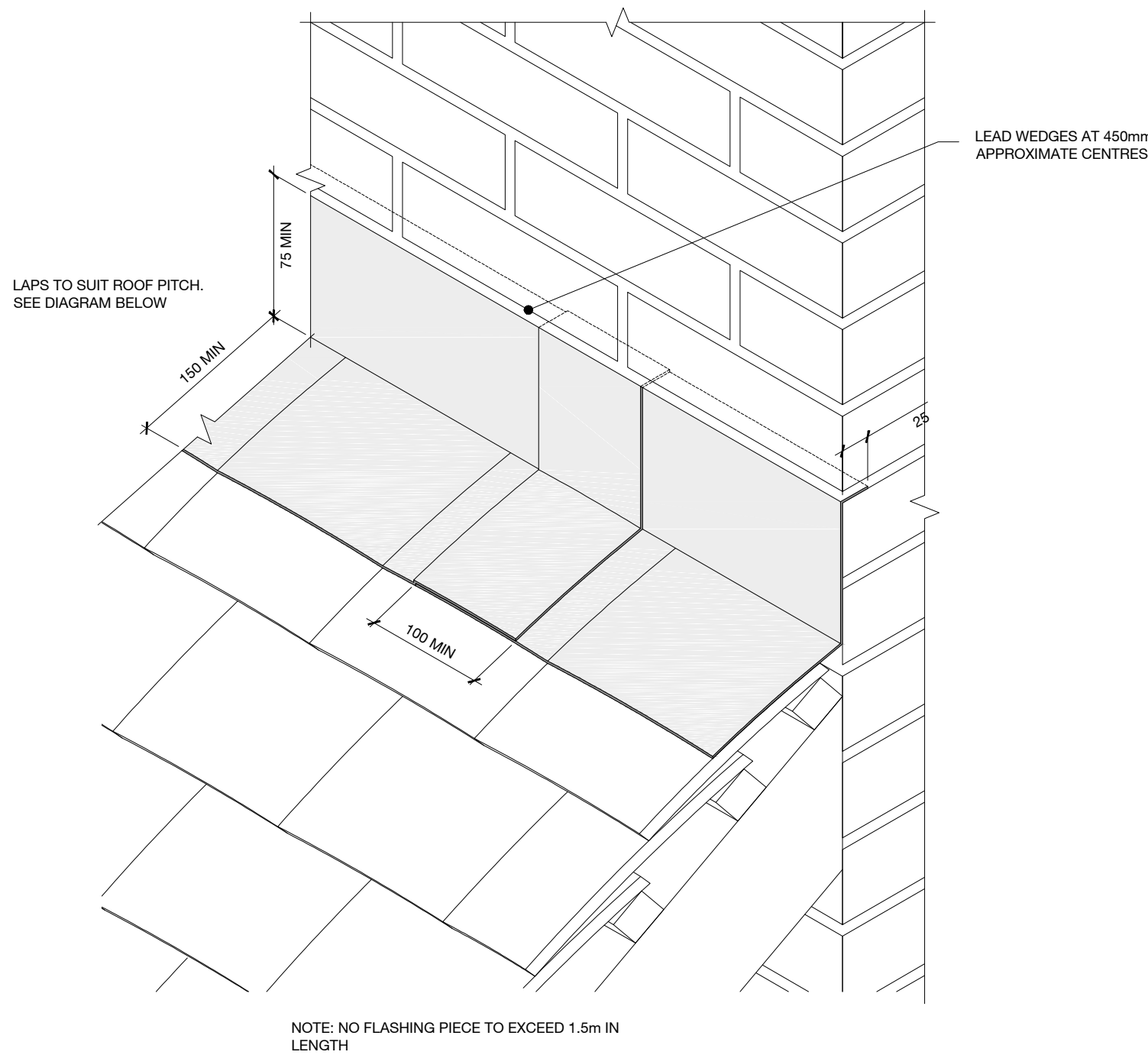


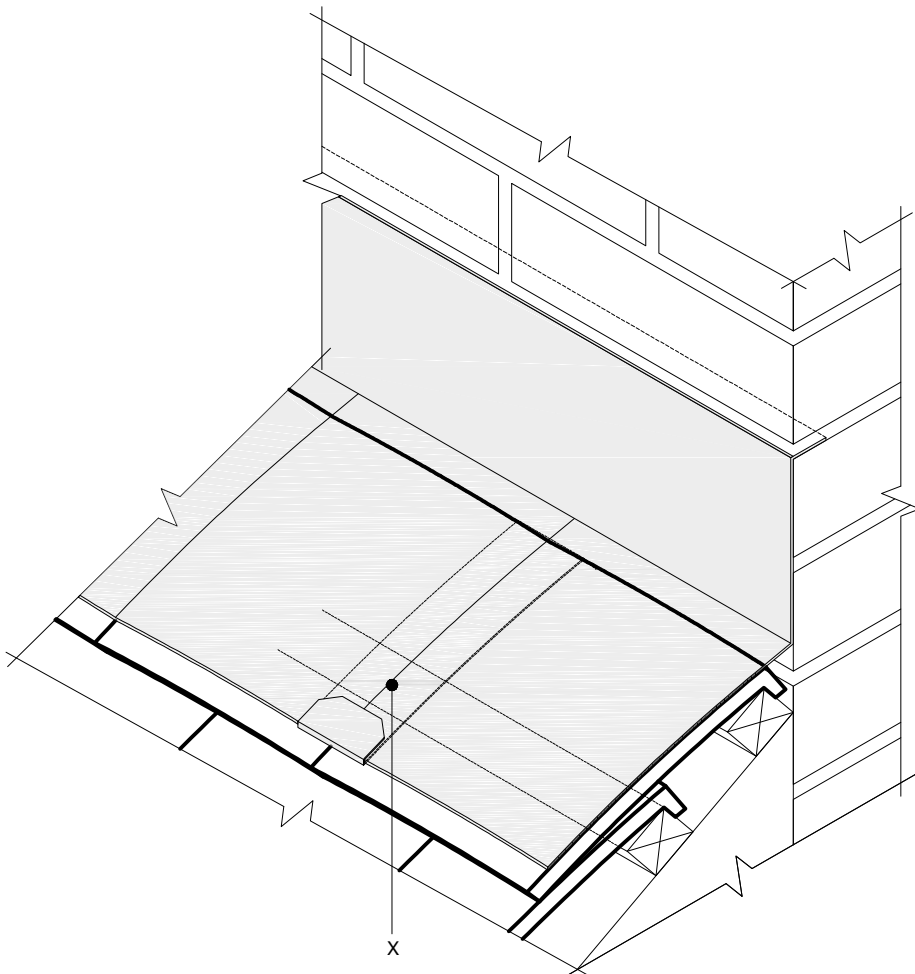
SPECIFICATION AND DESIGN CONSIDERATIONS		Thickness of lead sheet for various uses											
		Type of Application		Sheltered/Moderate Exposure		Severe Exposure		Historic/Listed Buildings					
				BSEN12588 code No.		BSEN12588 code No.		BSEN12588 code No.					
Durability of lead will depend upon the thickness and size of the piece of lead sheet, see Table 3, 5, 6 and 7.													
When specifying thickness, also make allowances for :													
-	anticipated life of building concerned (longer the life, heavier the code)												
-	bossing or dressing												
-	vulnerability to wind lift												
-	mechanical wear due to foot traffic												
-	risks of moss or lichen growth.												
The use of thicker lead in longer pieces can be more economical than using thinner material with additional joints, particularly when detailing gutter linings.													
Consider ventilation of the void between the substrate and insulation. Refer to Building Regulations and British Standards for guidance.													
Current British Standard relevant to the installation of Leadwork is BS6915 2014													
If considering Lead Sheet for damp proof course both sides must be treated with bitumastic paint. All lead sheet should comply with BSEN12588 : 2006 rolled lead sheet for building purposes.		BSEN12588	Table 3 Flat Roofs		Table 5 Pitched Roofs		Table 5 Pitched Roofs		Table 6 Vertical Cladding		Table 7 Gutter Linings		
			Roof slopes above 10° up to and including 60°		Roof slopes above 60° up to and including 80°								
			Maximum spacing of joints with the fall mm	Maximum distance between drips mm	Maximum spacing of joints with the fall mm	Maximum distance between drips mm	Maximum spacing of joints with the fall mm	Maximum distance between drips mm	Maximum spacing of joints with the fall mm	Maximum distance between drips mm	Maximum length between drips mm	Maximum overall girth mm	
			Code No										
			4	500	1500	500	1500	500	1500	500	1500	1500	750
			5	600	2000	600	2000	600	2000	600	2000	2000	800
			6	675	2250	675	2250	675	2250	600	2000	2250	850
			7	675	2500	675	2400	675	2250	650	2250	2500	900
			8	750	3000	750	2500	750	2250	700	2250	3000	1000



WELDED BACK GUTTER FIXED
SCALE 1:5

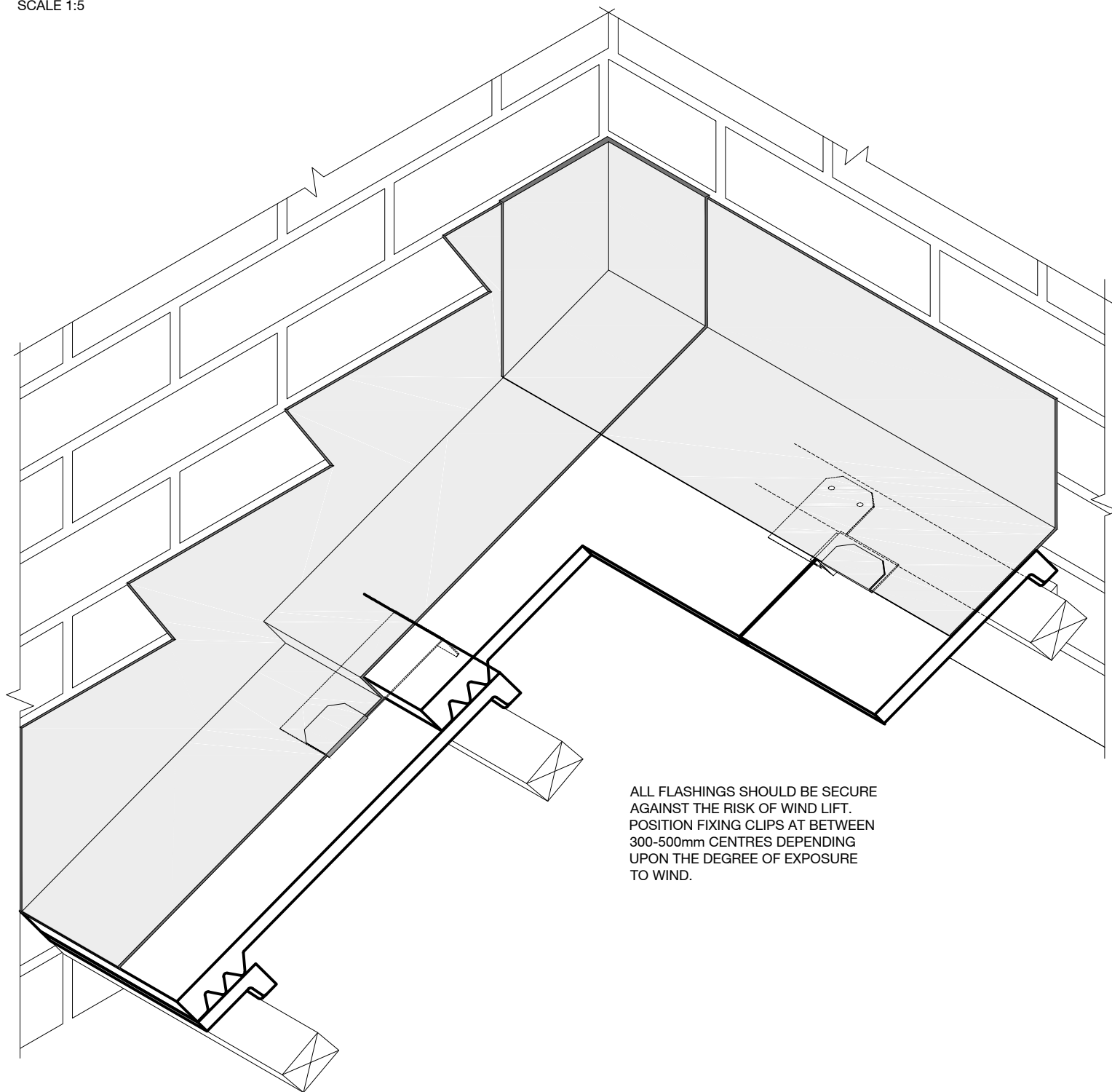


APRON FLASHING OVER SLATES OR TILES

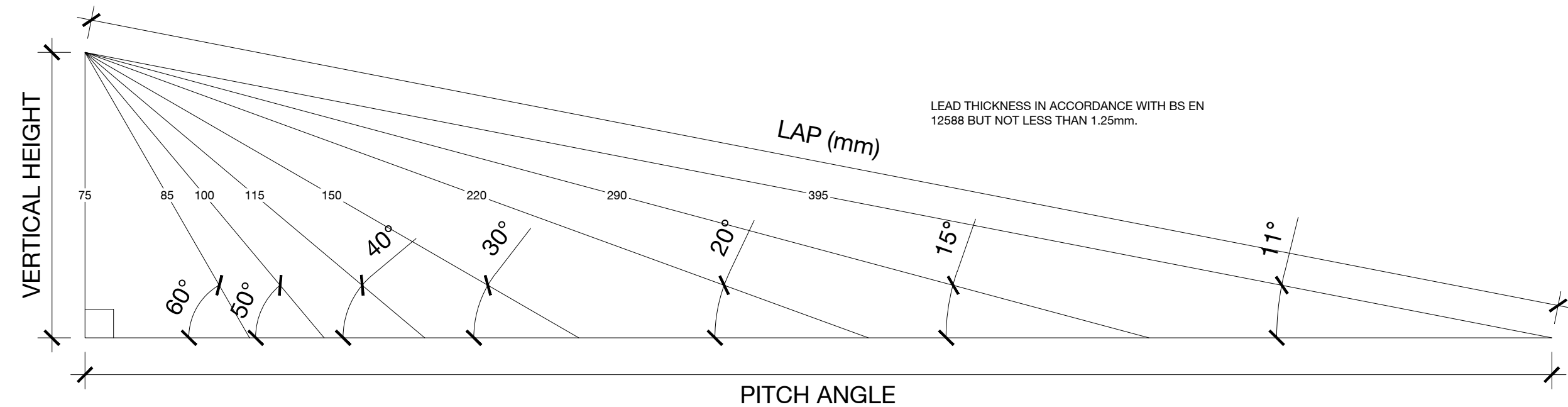


CLIP TO APRON FLASHINGS

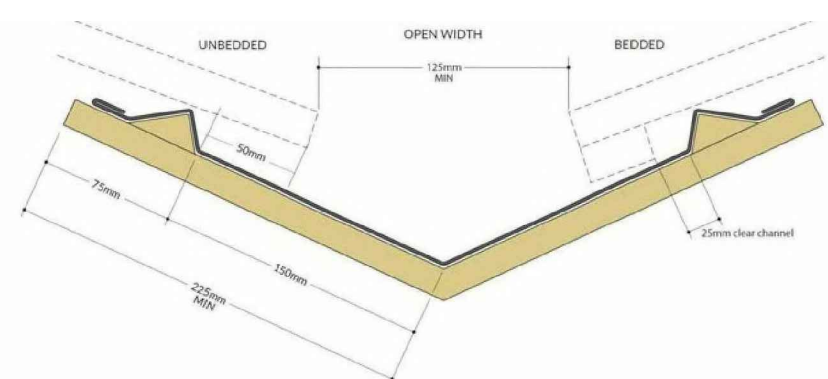
SCALE 1:5



CLIPS FOR FLASHING OVER SLATES



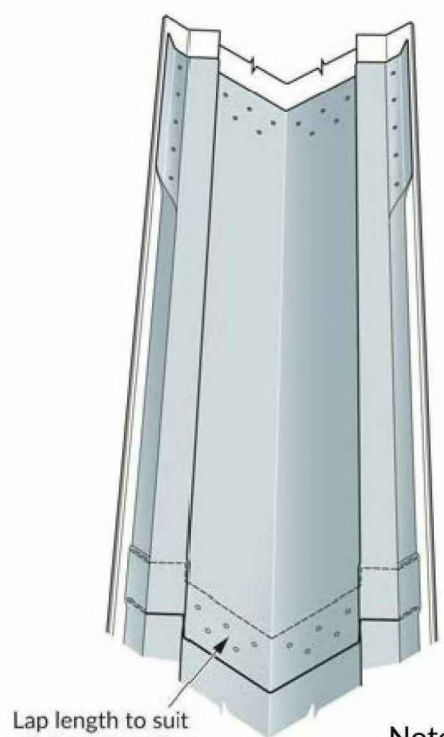
LAP DIAGRAM SHOWING
MINIMUM LAP FOR EACH
DEGREE OF PITCH
(EXTRACT FROM BS691 -
FIGURE 7)



Open Width (mm)	With bedded tiles Width of Lead to line valley (mm approx)	With unbedded tiles or slates Width of Lead to line valley (mm approx)
100	500	400
125	525	425
150	550	450
200	600	500
250	650	550

For information on the sizes of pitched valleys in relation to catchment area, it is essential to refer to Rolled Lead Sheet Manual published by the LSTA.

TYPICAL VALLEY DETAIL



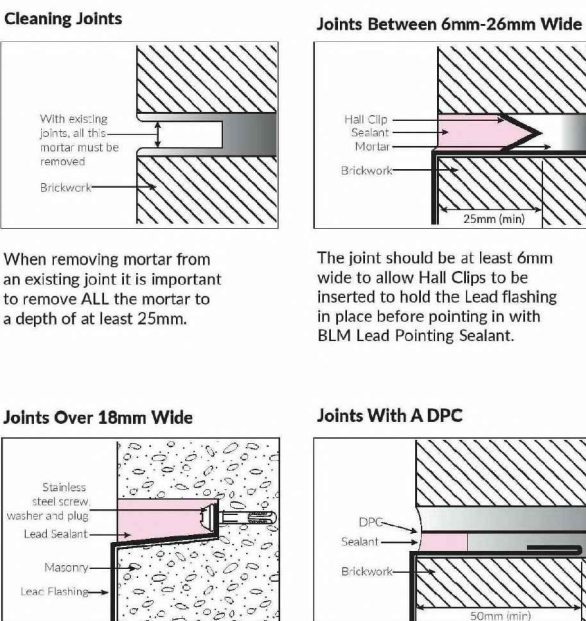
Additional head fixings
for pitches above 60° -
in top third of each
side only.

TYPICAL VALLEY DETAIL

Notes | Sketch schemes may be based on plan information of unknown origin and is subject to verification and survey. Contractors must verify all dimensions on site before commencing any work or shop drawings. This drawing is not to be scaled. Use figured dimensions only. Ensure digital versions are plotted at 'Actual Size'. Building areas are liable to adjustment over the course of the design process due to ongoing construction detailing developments. Subject to statutory approvals and survey. The bar above is to check that the drawing has been printed to scale.

FIXING FLASHINGS

Rolled Lead Sheet to BS EN 12588



- ## Helpful Hints
- **Most** ensure joints are thoroughly cleaned and no mortar remains
 - Individual flashing lengths should not exceed 1500mm
 - Joints under 26mm wide should be held firmly in place with clips. Clips Standard or Half Clips
 - Using Half Clips instead of Lead wedges will help to prevent the easy theft of Lead flashings
 - Use at least 1 Half Clip per size of flashing
 - Use 1 Half Clip at 450mm centres and where flashing joins flashing (where fitting inner flashings)
 - Joints over 18mm wide can also be secured with stainless steel screws and washers
 - Use BIM Lead Pointing Sealant to seal the Lead in to the masonry
 - Ensure joint is completely dry before applying the sealant
 - Cut the Sealant nozzle to suit the width of the joint
 - Minimum depth of the sealant should be no less than 10mm
 - The face of the sealant can be smoothed with a wet pointing tool