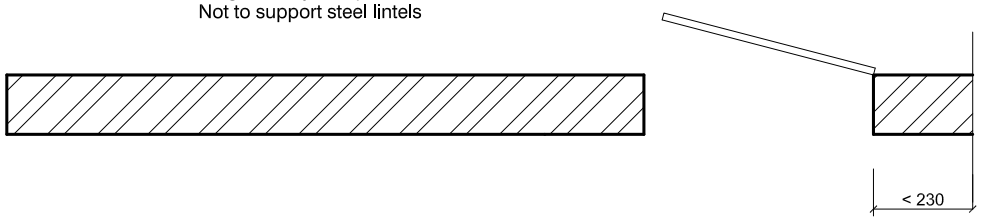
FIG. 98 PIERS & RETURNS - Brick Veneer Openings & Arches

AS

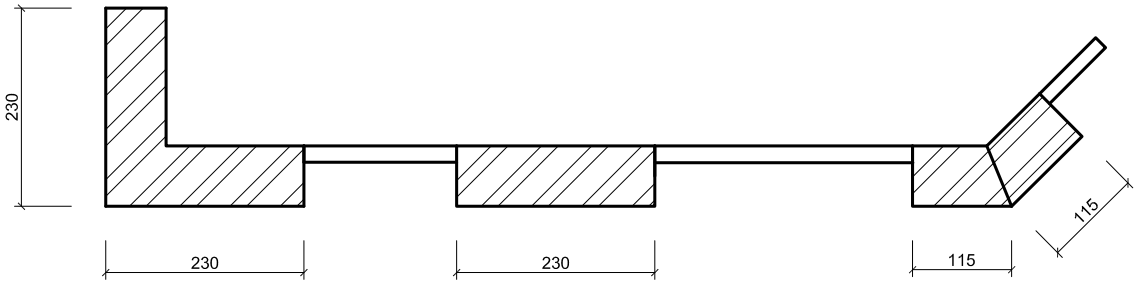
PLAN VIEW

A) Alternative solution for BCA's when piers are less than 230mm wide

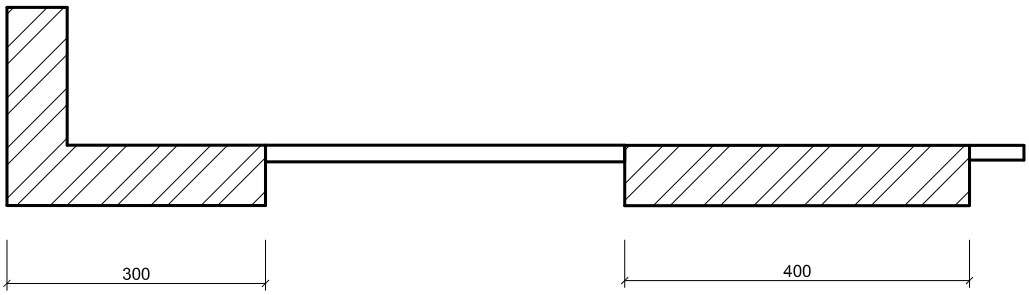
LIMITATIONS
Tie every second brick
Single storey or top floor
Not to support steel lintels



B) Bricks to be tied every second course
230mm piers are too small to support lintels which require 200mm of landing each side.Ignore pier and treat as one large opening.



C) Galvanised steel lintels may be supported on 300mm returns and 400mm piers.



NOTE: In most cases where brick veneer is tied to a timber or steel frame, it is in a non-structural situation and the width of the pier is not critical unless it is carrying a lintel load.
Where the dimension of the end support is in question, the load may be transferred to the structural frame using Shelf Angles provided the specification is followed. Alternatively, consult a structural engineer for specific design.

General Comment on Concrete Reinforced Arches

Avoid placing reinforced concrete (unless in concrete block form) between two skins of brick veneer to form arches.
This may result in long term salt problems on the surface of the bricks due to the salts in the concrete.
Consult a structural engineer as specific design is required.