

Tower Cantilevers

CUSTOMER INFORMATION SHEET



We cannot offer detailed guidance or component lists for cantilevers because situations vary so widely. We can only advise in general terms. Beyond that it is a matter of carefully trying out probable solutions.

The general principles of cantilevering with DIY steel towers are shown here.

Always tie structure to the building (maybe through a window onto a stout brace across the aperture) and where possible add stabilisers to the main tower for stability.

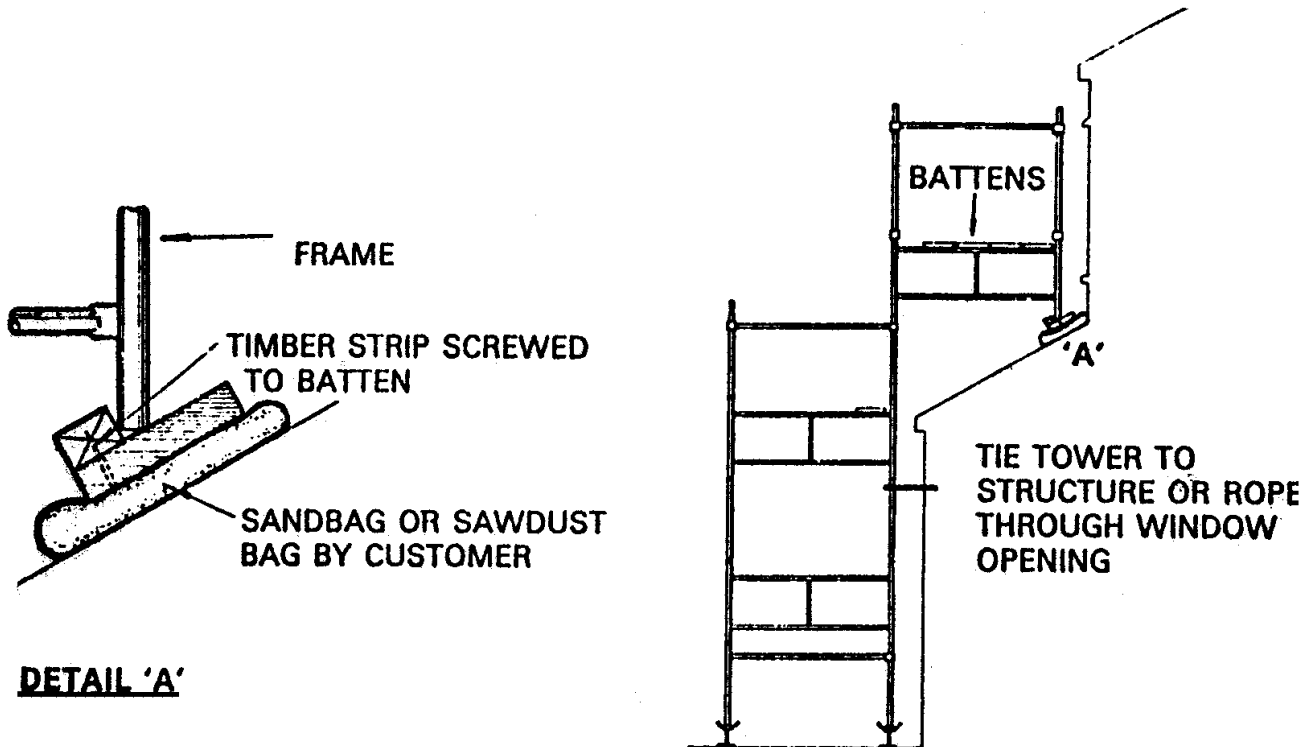
Always proceed with great caution and do not take risks with your safety.

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SUGGESTED METHOD OF OBTAINING ACCESS TO A DORMER WINDOW OR SIMILAR

It is very difficult to give really useful advice on the construction of cantilevers because the circumstances vary so widely.

The general principles are advised here. A tower is partly assembled in the normal way then continued by erecting the cantilever section from just the inner two vertical tower columns, with the two new columns resting on the roof. The cantilever can be made from frames which are the same dimensions as the main tower or smaller or larger, depending on the depth required.

Obviously GREAT CARE must be taken to ensure the structure remains safe & stable. Adding stabilisers to the main tower or tying-in to the building are normally essential safety precautions. Ties can be through a window onto a stout beam braced across the aperture or onto eye-bolts which are secured in the brickwork with expansion anchors.

The use of Adjustable Bases either under the main tower or cantilever or both is usually helpful in ensuring the cantilever section rests firmly on the building.

Some form of padding is normally required on the roof as shown in Detail "A".

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and scaffold towers



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