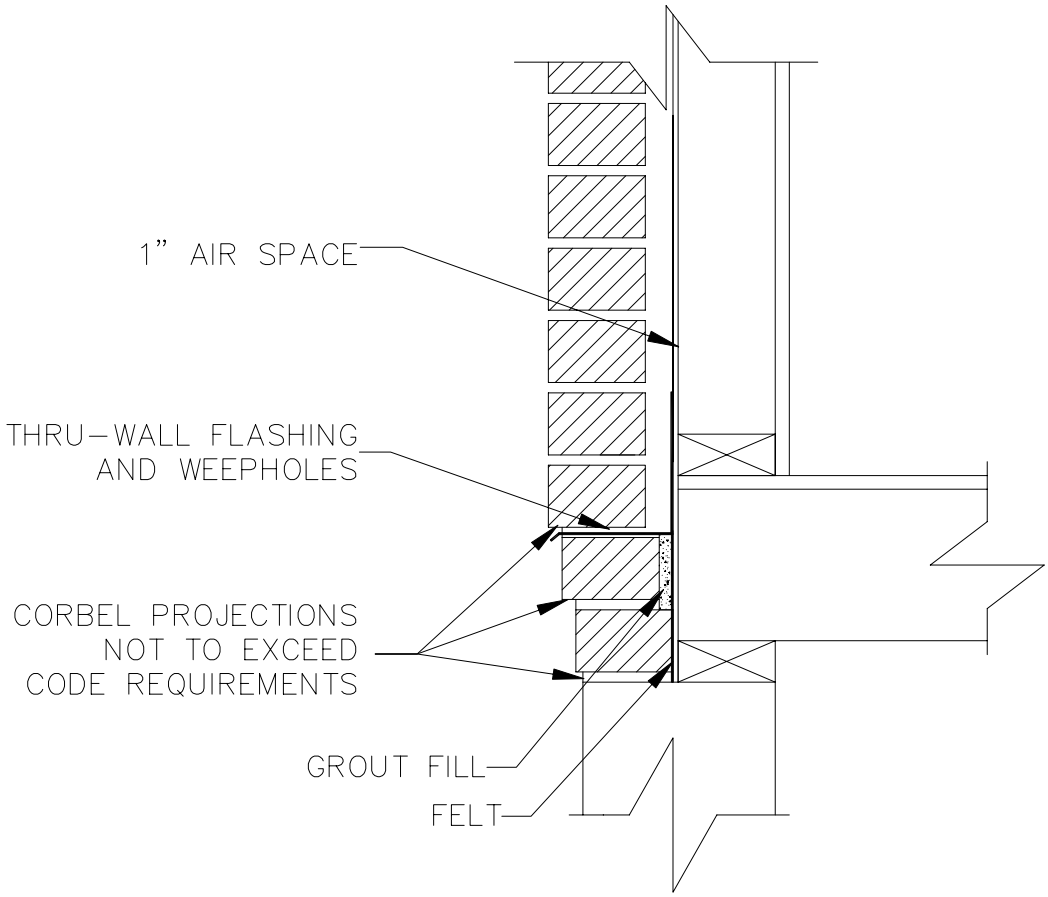
General Shale
Building The American Dream®

Corbelled Masonry

Most model building codes allow masonry veneer to be corbelled (projected out beyond the face of the wall).

These code provisions can be used to achieve planned architectural effects or to solve unanticipated construction problems such as foundation misalignment on a residential project. Generally, corbelled masonry is allowed as long as the total horizontal projection does not exceed one half of the wall thickness or each unit is not projected more than one half the unit height or one third the unit thickness. You should consult with your local code official and code reference for the specific requirements on your project.



Code References

ACI 530-95

9.9.4 Corbelling

Max Projection of Total Corbel ½ x Wall Thickness
Max Projection of a Single Unit ½ x Unit Height
Max Projection of a Single Unit ⅓ x Unit Thickness

IBC 2000

2104.2 Corbelled Masonry

Max Projection of Total Corbel ½ x Wall Thickness
Max Projection of a Single Unit ½ x Unit Height
Max Projection of a Single Unit ⅓ x Unit Thickness

BOCA 1993

2112.2 Corbelled Masonry

Max Projection of Total Corbel ½ x Wall Thickness
Max Projection of a Single Unit ½ x Unit Height
Max Projection of a Single Unit ⅓ x Unit Thickness

IRC 2000

R606.3 Corbelled Masonry

Max Projection of Total Corbel ½ x Wall Thickness
Max Projection of a Single Unit ½ x Unit Height
Max Projection of a Single Unit ⅓ x Unit Thickness

R 606.3.1 Support Conditions

Total horizontal corbel for veneer <2”

Max Projection of Total Corbel ½ x Wall Thickness
Max Projection of a Single Unit ½ x Unit Height
Max Projection of a Single Unit ⅓ x Unit Thickness