



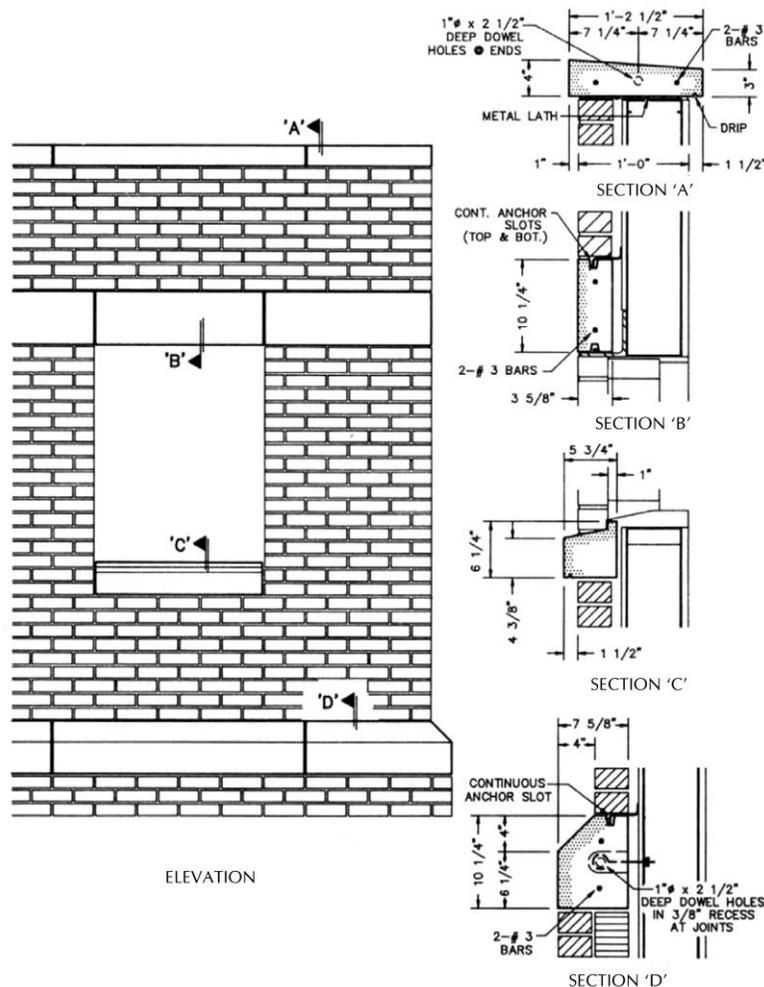
WATERTABLE, SILL, HEADER, & COPING WITH METAL STUD WALL SYSTEM ELEVATION & DETAILS

Details of anchoring with metal stud wall systems can usually be derived from the conventional methods after special attention is given to the structural considerations of this type of wall system.

Anchors tie the veneer to the backup; they must be stiff enough to resist tension and compression, but flexible enough to not resist shear. This flexibility permits in-plane differential movements between the backup and the veneer which are essential to the wall system. Lateral loads are shared by both the veneer and the backup. Therefore, corrugated metal brick ties should never be used in connecting the veneer wall to metal studs.

There should be a minimum of two anchor straps per stone and sufficient brick ties in accordance with the recommendations of your Engineer. The Brick Institute of America suggests one brick tie for each 2-2/3 sq. foot of wall area to tie back plain veneer.

Sheathing must be securely attached to both sides of the studs. Sheathing must be rigid and properly attached for it to be effective.



This Technical Bulletin addresses generally accepted practices, methods and general details for the use of Architectural Cast Stone. This document is designed *only as a guide* and is *not* intended for any specific application or project. It is the responsibility of design and construction professionals to determine the applicability and appropriate application of any detail to a specific project based on professional judgment, specific project conditions, manufacturer's recommendations and solid understanding of product characteristics. The Cast Stone Institute makes no express or implied warranty or guarantee of the techniques or construction methods identified herein. Technical references shall be made to the edition of the International Building Codes for the location of the structure, the latest edition of the TMS 402/406 Masonry Standards document and TMS 404, 504, 604 Standards for Design, Fabrication and Installation of Architectural Cast Stone.

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