

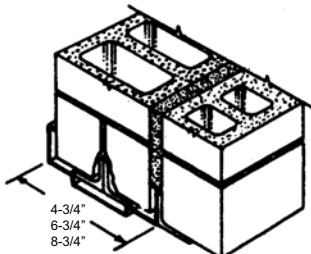
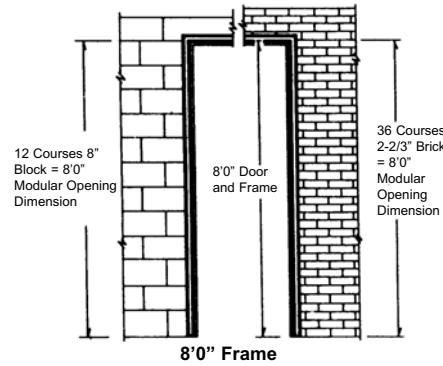
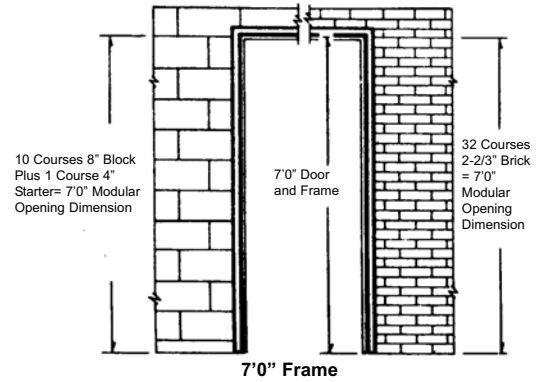
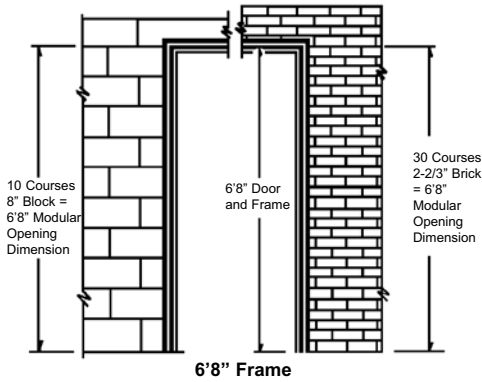
### MODULAR MASONRY CONSTRUCTION DETAILS

#### THE MODULE

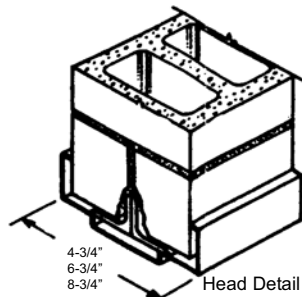
- DEFINITION:** The size of some one part, taken as a unit of measure for regular proportion. A basic unit of measure adopted by the Building Industry as 4 inches.
- CONCEPT:** Use of a standard multiple dimension common to dimensional building products improves finished structure by the following:
- A. Increased accuracy, legibility and simplicity of working drawings and contract documents.
  - B. Reduced drafting time (up to 25%).
  - C. Reduction of Architect/Contractor conflict caused by ambiguous details.
  - D. Added esthetic flexibility induced by small unit standardization, allowing freedom of architectural design.
  - E. Increased flexibility of finished structure through lower modification, addition and renovation costs.
  - F. Reduced overall material and labor costs by facilitating the use of standard practices and definable operating procedures.
- ENGINEERING:**
- A. Theory of modular construction reduces "field measurements". (Practical considerations do not allow complete elimination; however, a considerable reduction in job dimensioning requirements will result.)
  - B. Interchangeability and substitution of materials is facilitated by the elimination of redimensioning when two modular components are switched.
  - C. Estimating and Takeoff simplified.
  - D. Detailing and drawing coordination between trades and specialties simplified by small size standard grid.
- ESTHETICS:**
- A. Modular masonry construction meets the architectural need for blending and continuity of components. Non-modular units interrupt a geometric pattern or flow by virtue of the discontinuity of line necessary for their installation.
  - B. As a specific case, the use of a butted frame (Modular) is extremely important in stack bonded masonry unit construction. Any interruptions such as cut units, unit lintels, wrap--arounds, etc. destroy the strong linear function of such details.

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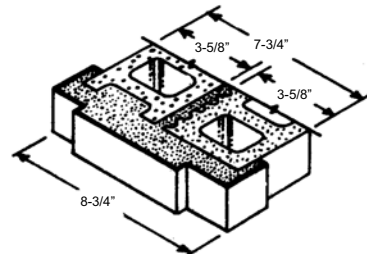
### MODULAR MASONRY WRAP-AROUND CONDITIONS



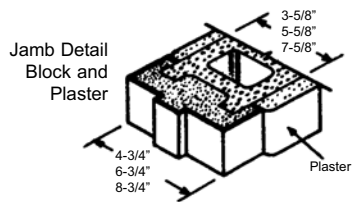
Head Detail  
Steel Lintel and  
Double Block



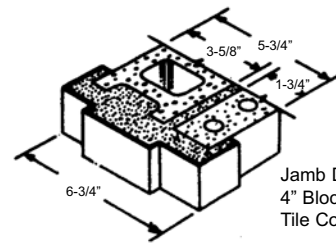
Head Detail  
Steel Lintel and  
Single Block



Jamb Detail  
8" Block or Tile and Brick  
Combination or 4" Double Tile



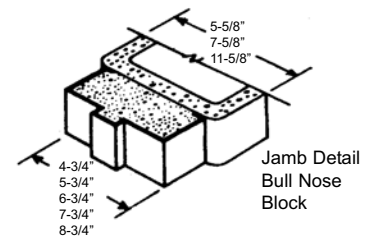
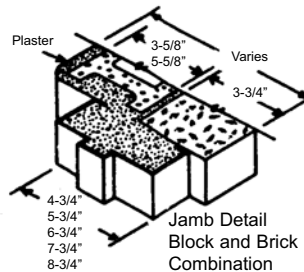
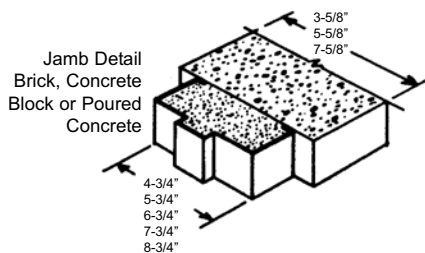
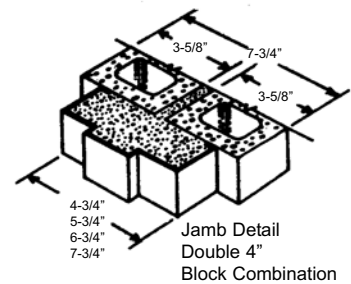
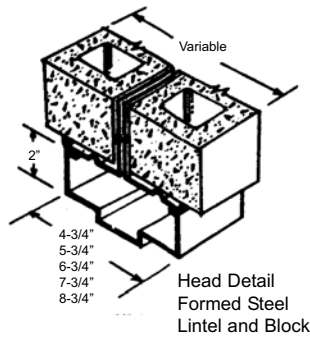
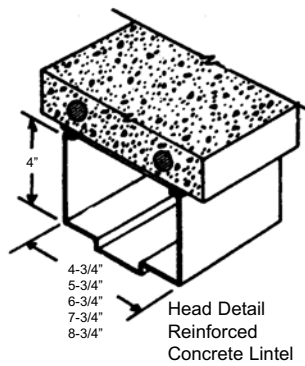
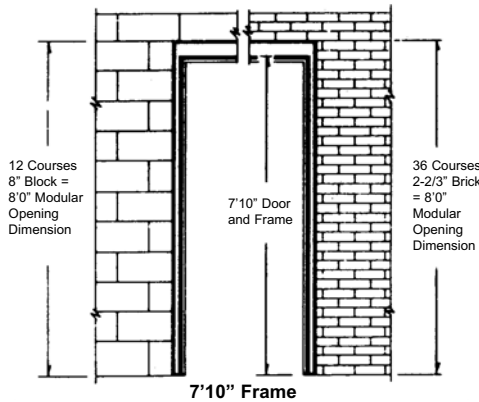
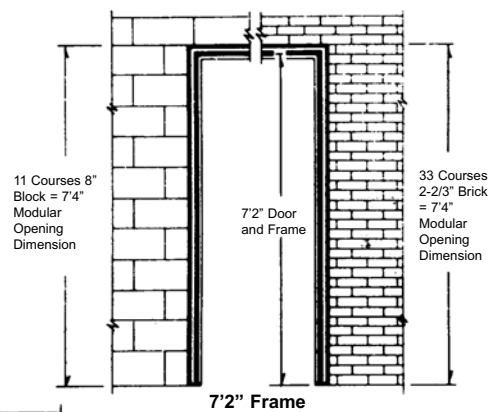
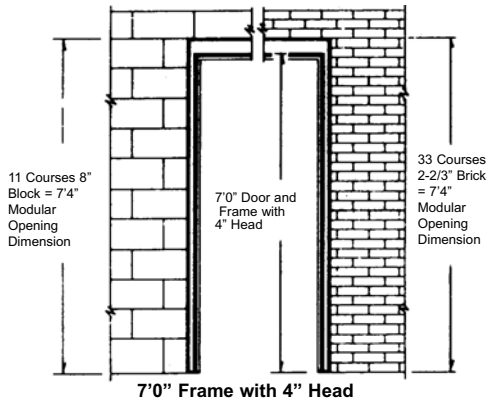
Jamb Detail  
Block and  
Plaster



Jamb Detail  
4" Block and  
Tile Combination

Revised 6/05

### MODULAR MASONRY BUTTED CONDITIONS



Revised 6/05