

METAL FRAMES



NAAMM HMMA 820-08

HOLLOW METAL FRAMES

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METAL FRAMES



A Division of

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NATIONAL ASSOCIATION OF
ARCHITECTURAL METAL MANUFACTURERS

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This manual was developed by representative members of the Hollow Metal Manufacturers Association Division (HMMA) of the National Association of Architectural Metal Manufacturers (NAAMM) to provide information and guidance on the installation and storage of hollow metal doors and frames. This manual contains advisory information only and is published as a public service by NAAMM and its HMMA Division.

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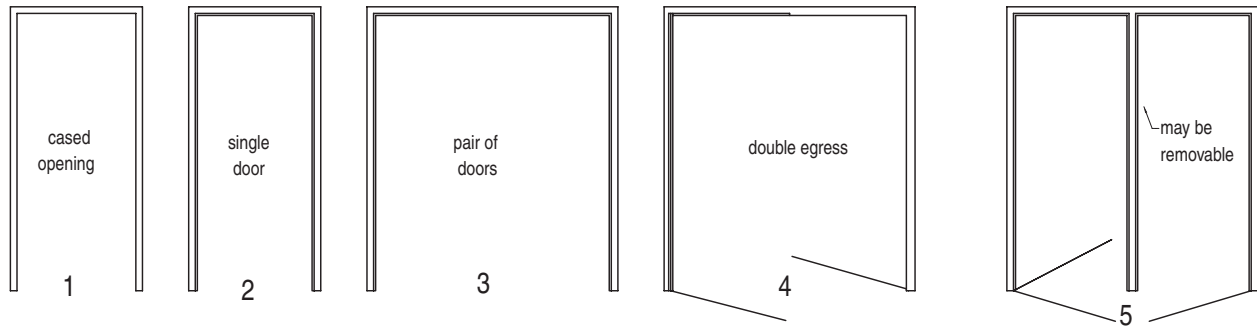
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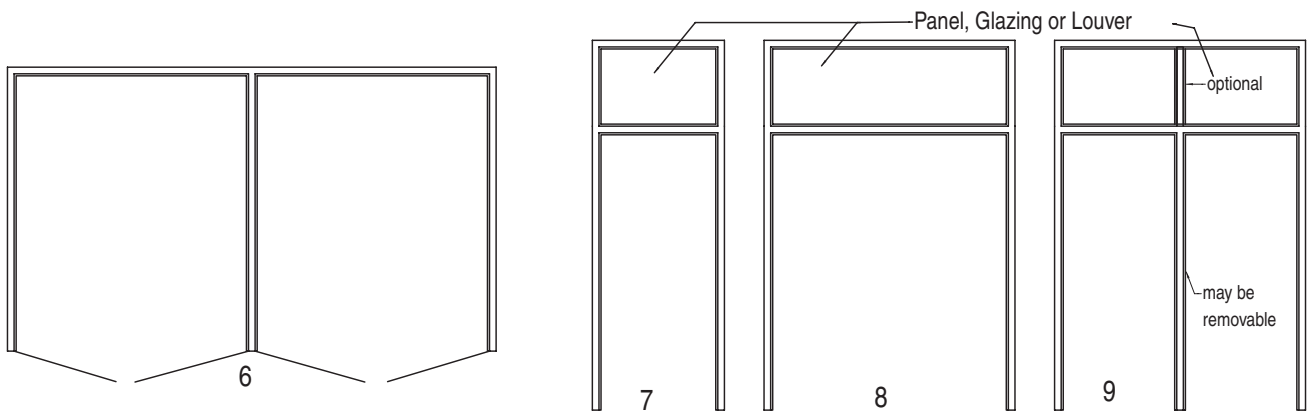
HOLLOW METAL FRAMES

The primary function of the door frame is to provide support for the door and the components required for proper operation of the opening. Hollow metal frames serve other aesthetic or functional purposes, such as trimming a wall opening having no door, or enclosing glazed areas that provide through-wall visibility or admitting light and/or air. Hollow metal frames, which are strong, sturdy and durable, serve all such functions economically. Custom hollow metal frames are available in a broad array of configurations. Illustrated below are some of the more common and representative types, and on the following pages are shown the typical details of frame construction and assembly.



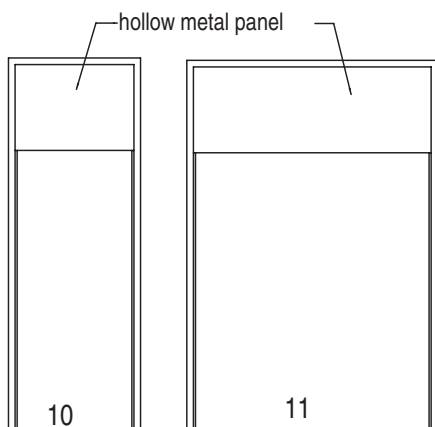
THREE-SIDED FRAMES

MULLION FRAME

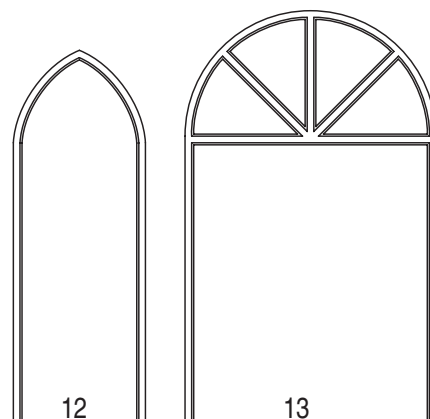


MULTI-OPENING FRAMES

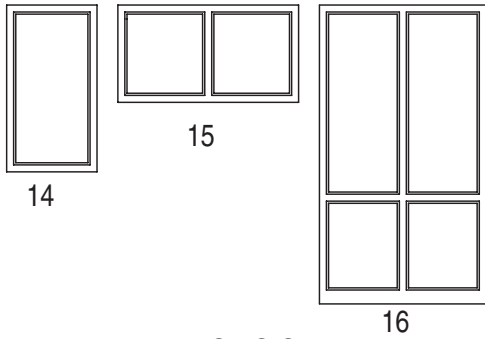
TRANSOM FRAMES WITH TRANSOM BAR



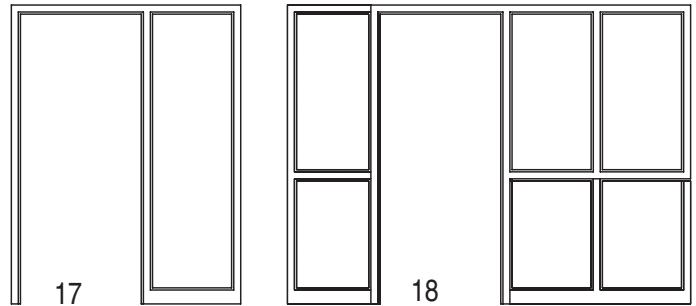
WITHOUT TRANSOM BAR



SPECIAL FRAMES

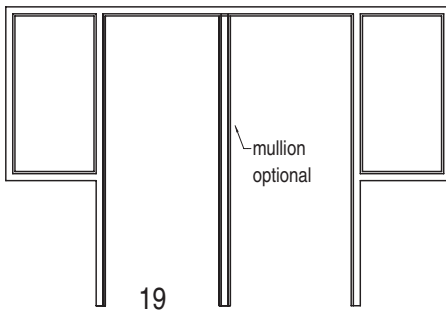


WINDOWS OR
BORROWED LIGHTS

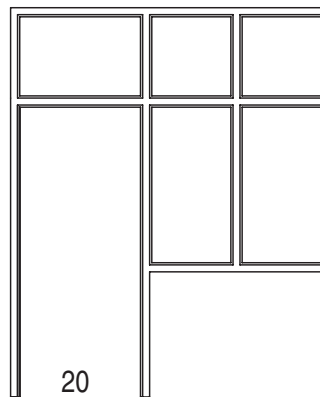


SIDELIGHT FRAMES

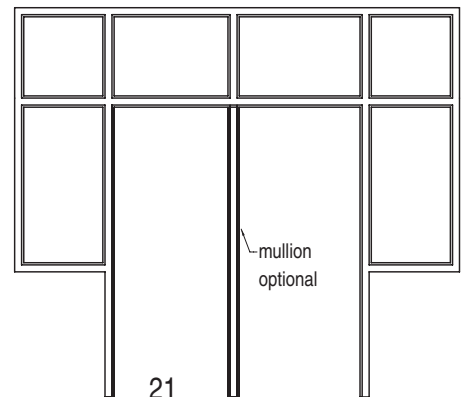
Panels may be used in lieu of glazing at sidelight frames



SIDELIGHT FRAMES

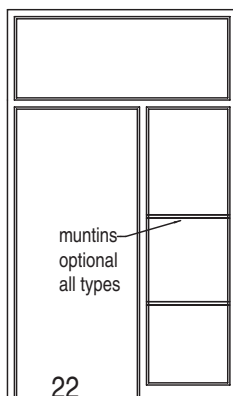


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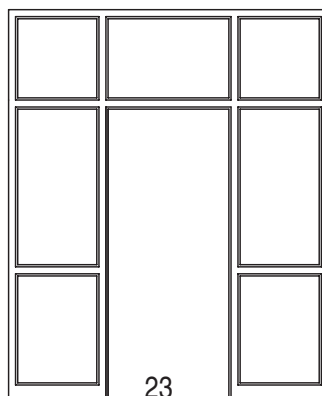


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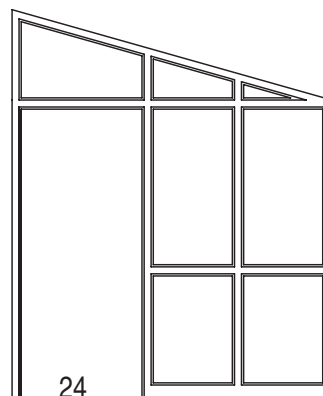
SIDELIGHT FRAMES WITH TRANSOMS



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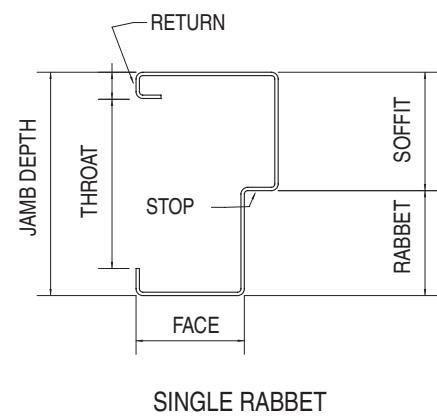
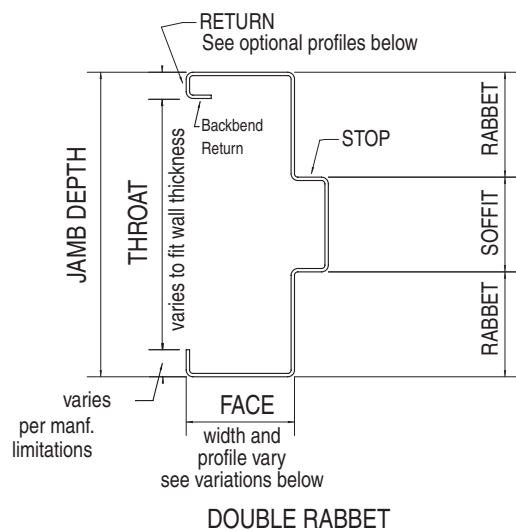


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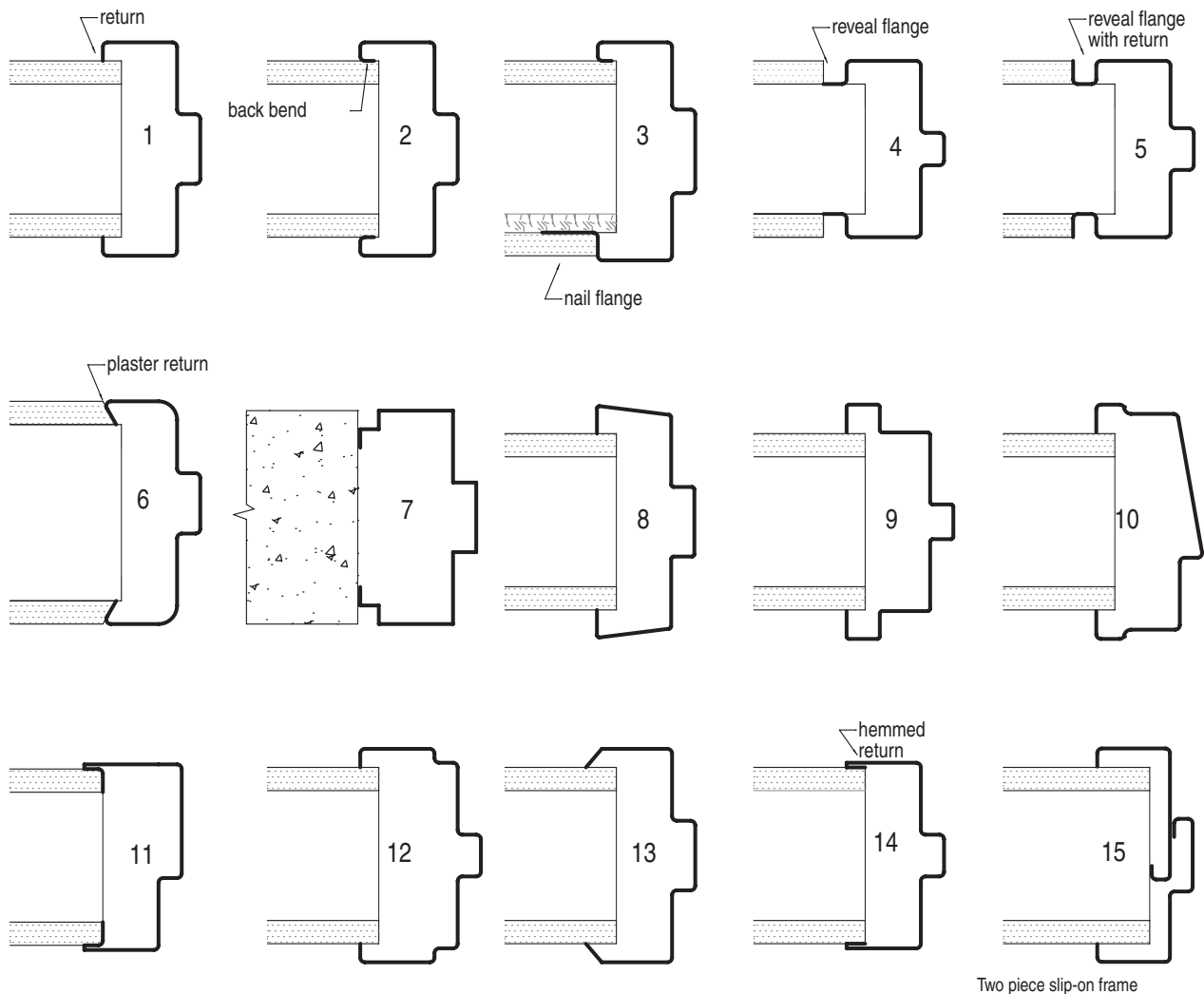


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SIDELIGHT FRAMES WITH TRANSOMS

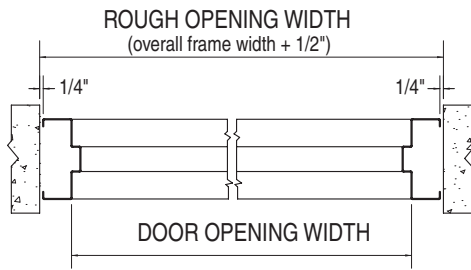


FRAME PROFILE NOMENCLATURE

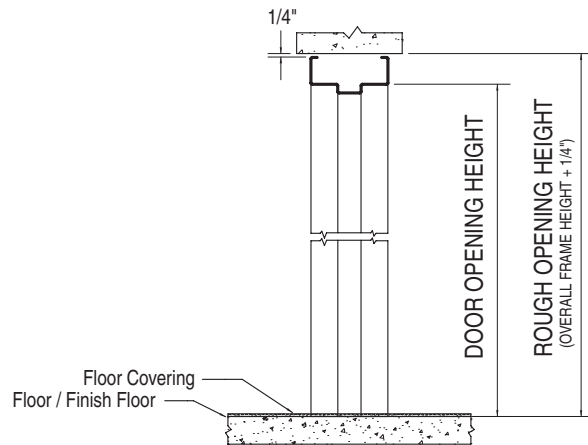


Any face profile may be combined with any backbend profile.

REPRESENTATIVE FRAME PROFILES OTHER DESIGNS AVAILABLE

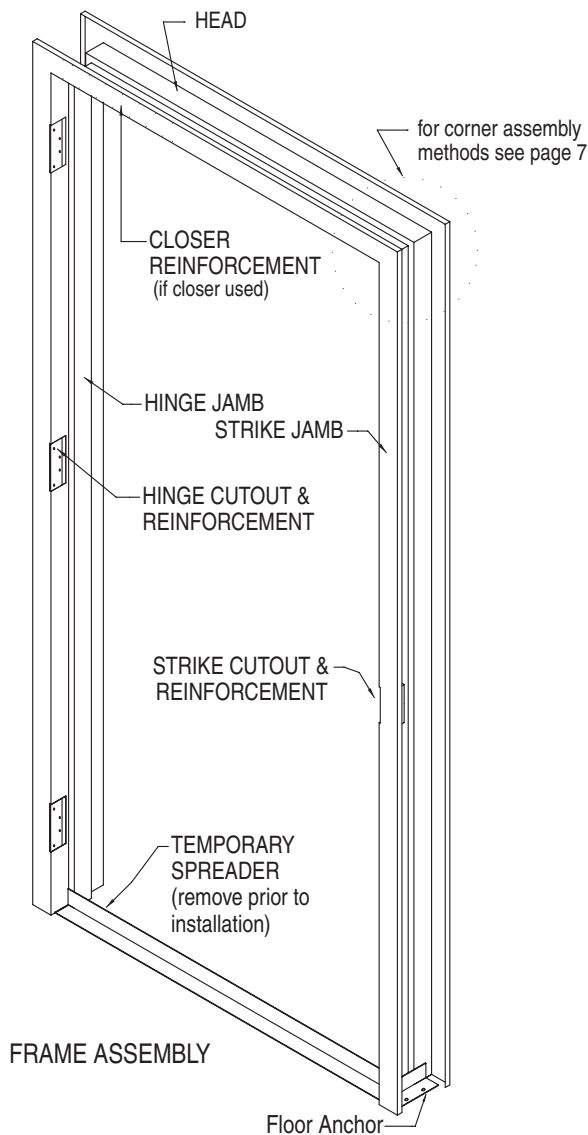


**HORIZONTAL
FRAME DIMENSIONS**

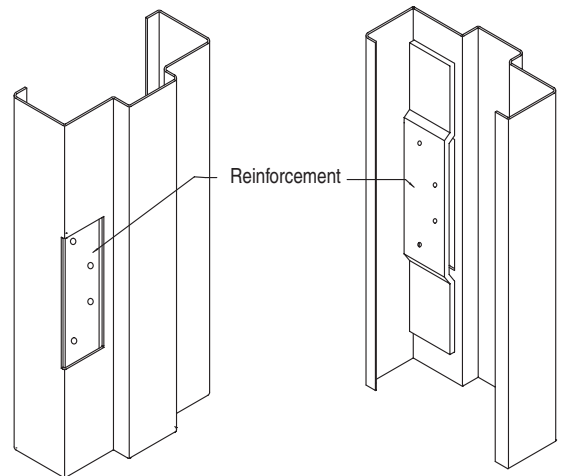


VERTICAL FRAME DIMENSIONS

For information on undercuts see
HMMA-810 TN01-03 "Defining Undercuts"



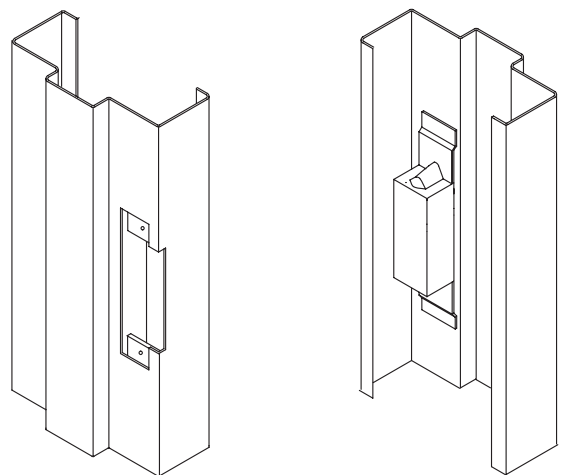
FRAME ASSEMBLY



FACE VIEW

BACKSIDE VIEW

HINGE PREPARATION



FACE VIEW

BACKSIDE VIEW

STRIKE PREPARATION