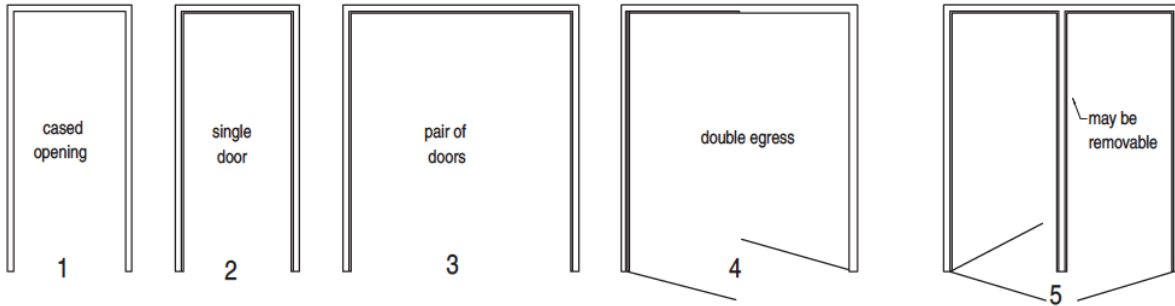




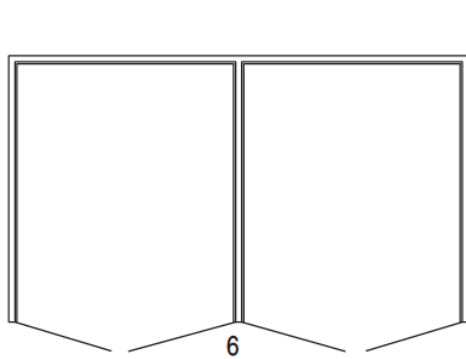
HOLLOW METAL FRAMES

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.

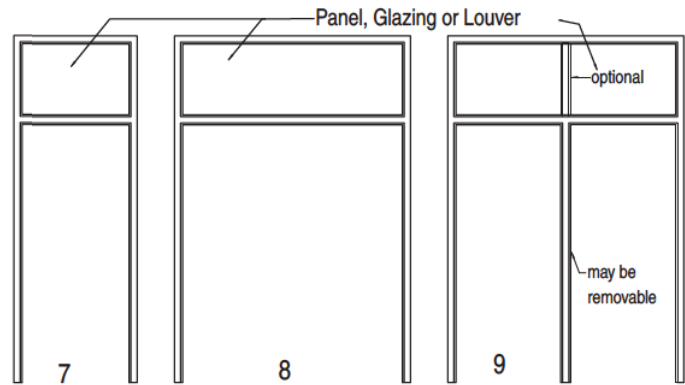


THREE-SIDED FRAMES

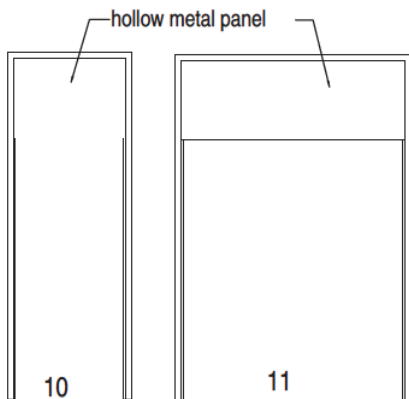
MULLION FRAME



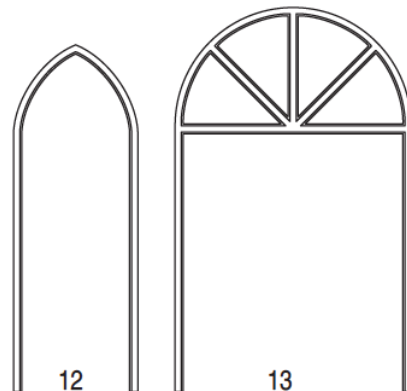
MULTI-OPENING FRAMES



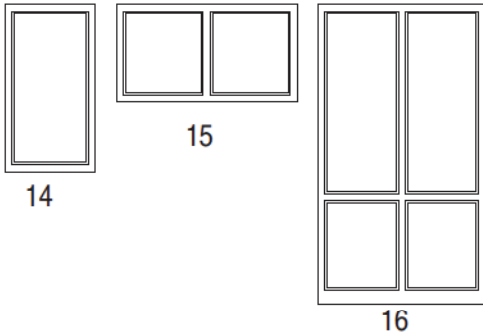
TRANSOM FRAMES WITH TRANSOM BAR



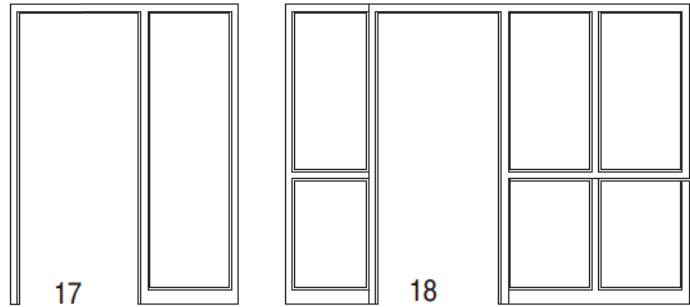
WITHOUT TRANSOM BAR



SPECIAL FRAMES

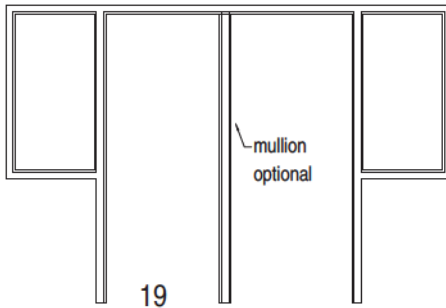


WINDOWS OR
BORROWED LIGHTS

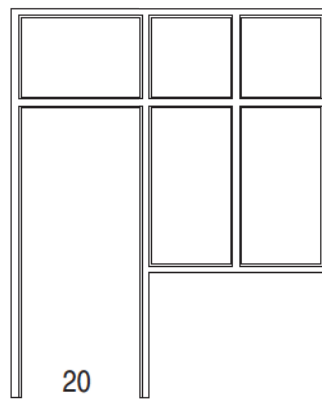


SIDELIGHT FRAMES

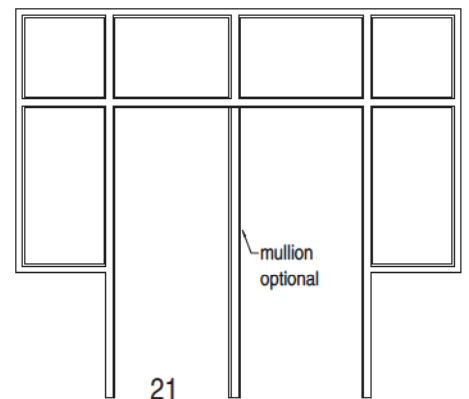
Panels may be used in lieu of glazing at sidelight frames



SIDELIGHT FRAMES

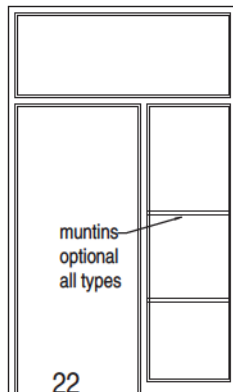


20

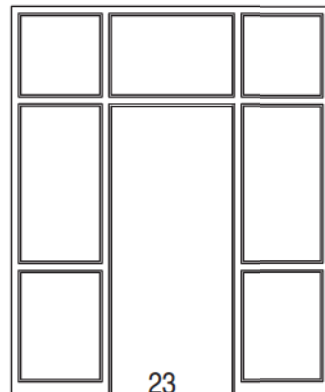


21

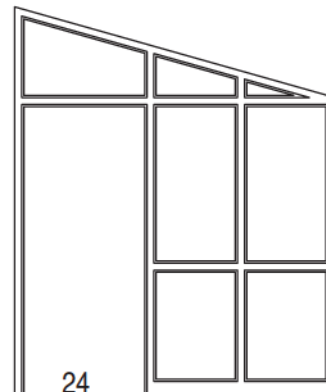
SIDELIGHT FRAMES WITH TRANSOMS



22



23



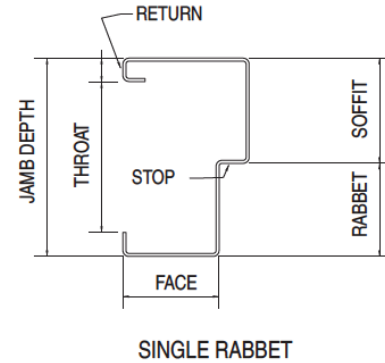
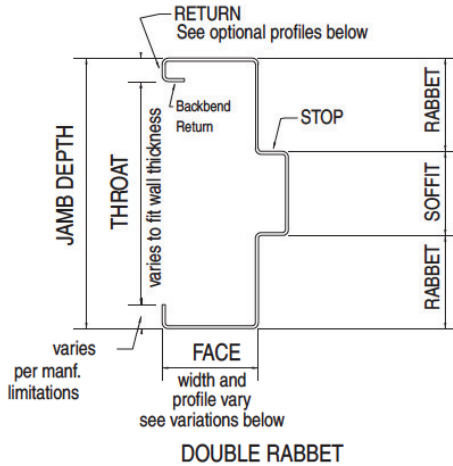
24

SIDELIGHT FRAMES WITH TRANSOMS

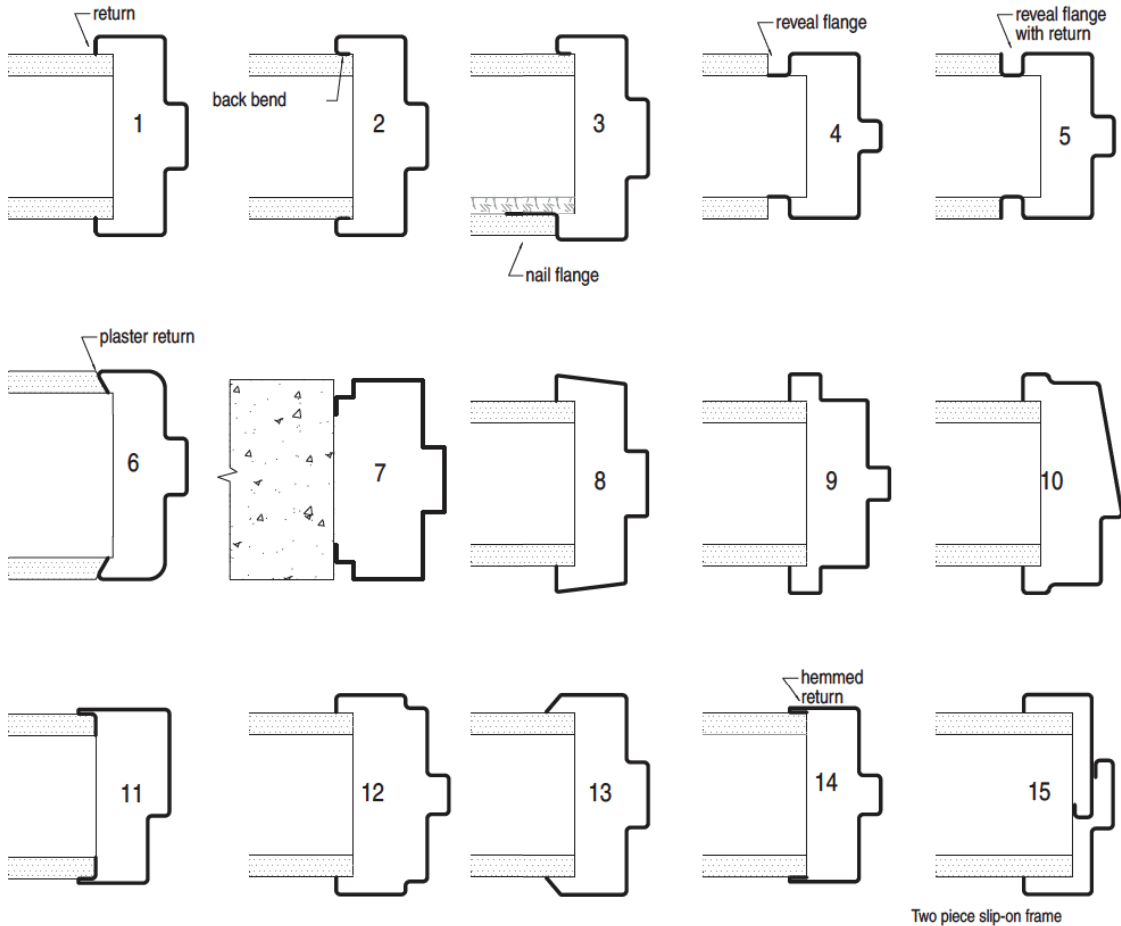


COMMERCIAL DOOR MANUFACTURING

Commercial Door Manufacturing Inc.
2914 Girard NE
Albuquerque, NM 87107
www.CommercialDoorMfg.com
Phone: 505-881-1034 Fax 505-884-1484



FRAME PROFILE NOMENCLATURE



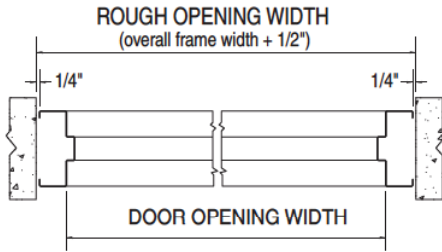
Any face profile may be combined with any backbend profile.

REPRESENTATIVE FRAME PROFILES
OTHER DESIGNS AVAILABLE

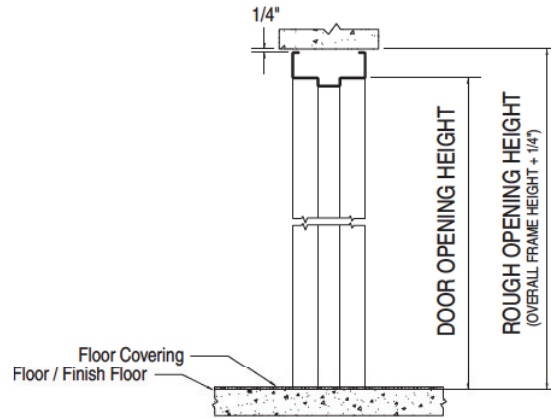


COMMERCIAL DOOR MANUFACTURING

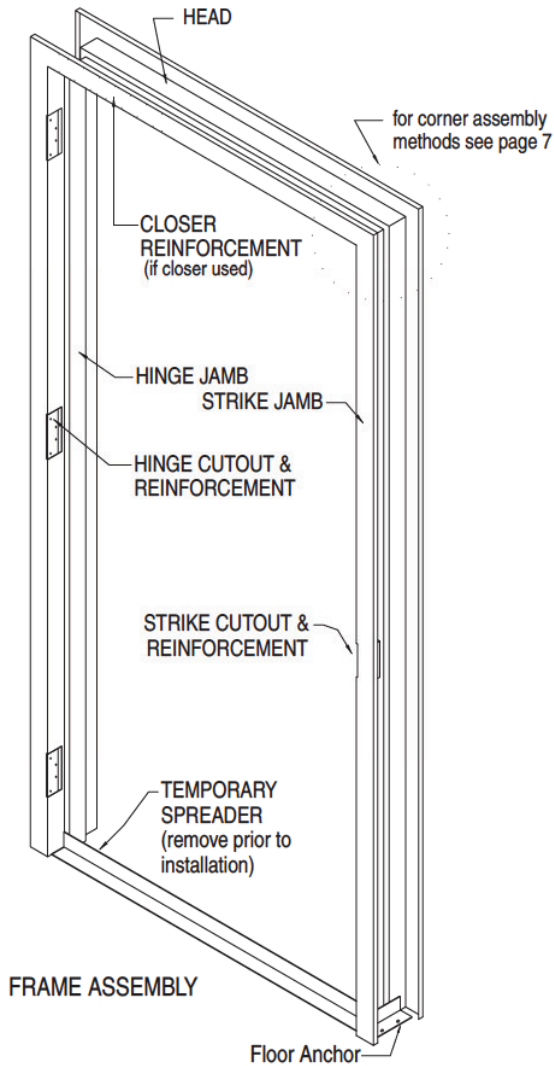
Commercial Door Manufacturing Inc.
2914 Girard NE
Albuquerque, NM 87107
www.CommercialDoorMfg.com
Phone: 505-881-1034 Fax 505-884-1484



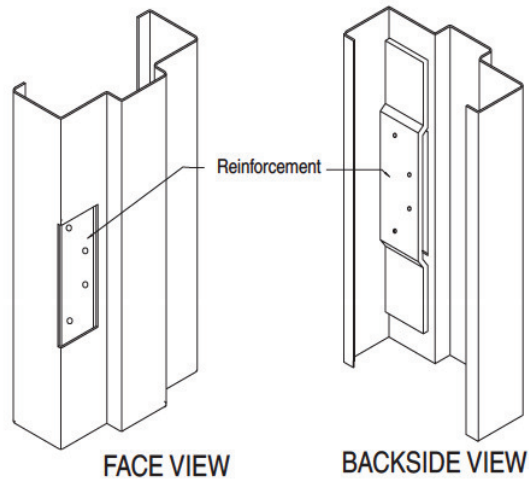
**HORIZONTAL
FRAME DIMENSIONS**



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

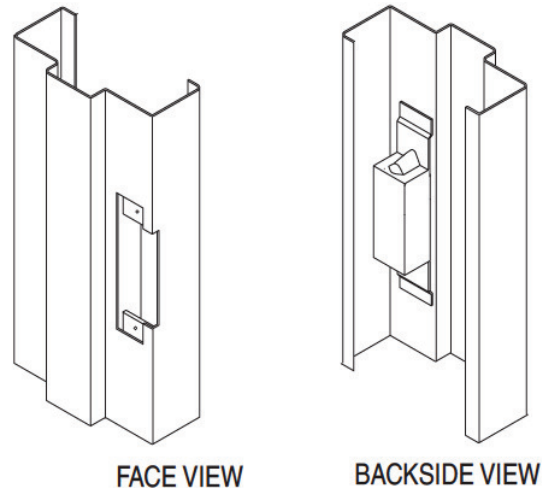


FRAME ASSEMBLY



FACE VIEW BACKSIDE VIEW

HINGE PREPARATION



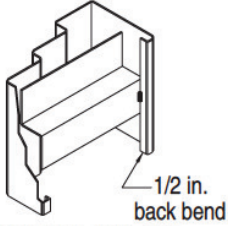
FACE VIEW BACKSIDE VIEW

STRIKE PREPARATION

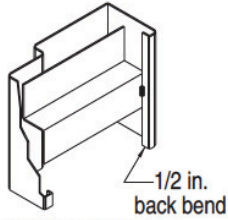


COMMERCIAL DOOR MANUFACTURING

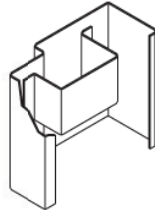
Commercial Door Manufacturing Inc.
2914 Girard NE
Albuquerque, NM 87107
www.CommercialDoorMfg.com
Phone: 505-881-1034 Fax 505-884-1484



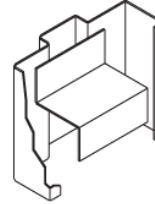
DOUBLE EGRESS
STEEL STUD



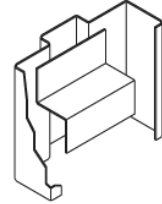
SINGLE RABBET
STEEL STUD



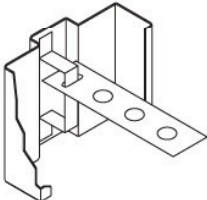
SINGLE RABBET
STEEL STUD



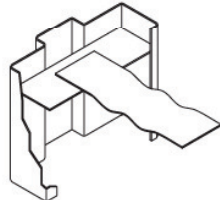
STEEL STUD
FLUSH WITH RETURN



STEEL STUD
INSET 1/2 IN. THROAT

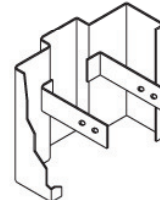


STRAP & STIRRUP
(MASONRY)

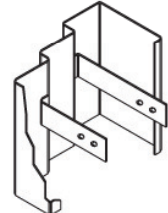


T-STRAP
(MASONRY)

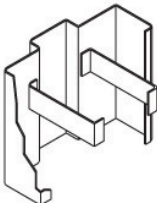
For information about
the choice of anchor type
see HMMA 840, "Installation
and Storage of Hollow
Metal Doors and Frames".



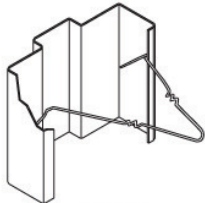
WOOD STUD
TWO PIECE



DOUBLE EGRESS
WOOD STUD
TWO PIECE



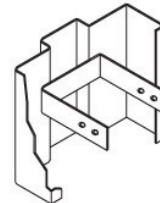
POUR IN PLACE
(CEMENT)



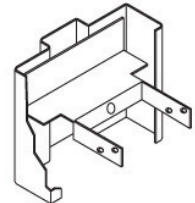
WIRE
(MASONRY)

COMMON TYPES
OF JAMB ANCHORS.

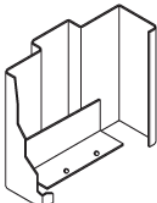
OTHER TYPES ARE
AVAILABLE.



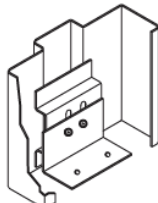
WOOD STUD
ONE PIECE



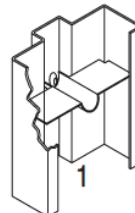
COMBINATION ANCHOR
(MAY BE USED WITH WOOD
OR STEEL STUD)



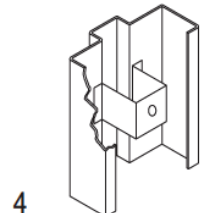
FIXED
FLOOR ANCHOR



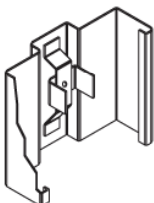
ADJUSTABLE
FLOOR ANCHOR



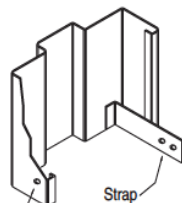
1



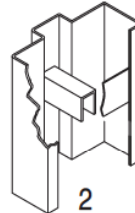
4



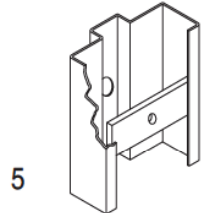
COMPRESSION ANCHOR
FOR SLIP-ON DRYWALL FRAMES



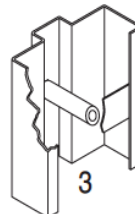
FLOOR ANCHOR
FOR SLIP-ON DRYWALL FRAMES



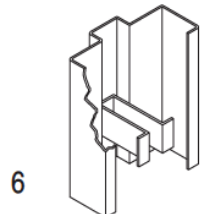
2



5



3



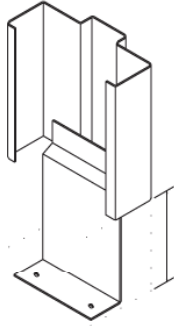
6

EXISTING WALL ANCHORS



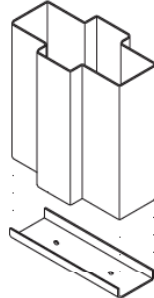
COMMERCIAL DOOR MANUFACTURING

Commercial Door Manufacturing Inc.
2914 Girard NE
Albuquerque, NM 87107
www.CommercialDoorMfg.com
Phone: 505-881-1034 Fax 505-884-1484



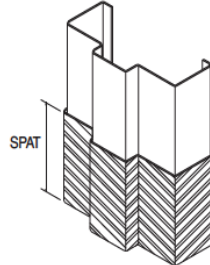
FLOOR STILT

Terrazzo
or other
base mat.

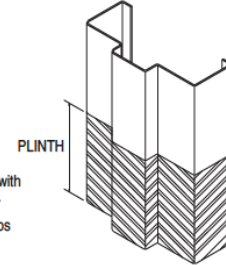


FIXED MULLION
ANCHOR

Design may vary by manufacturer



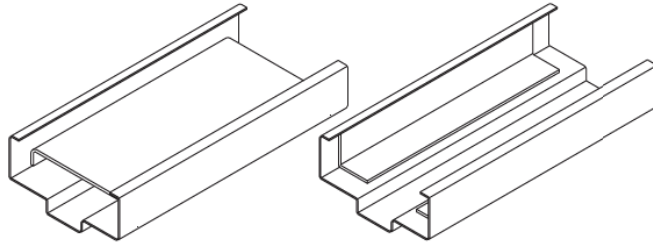
Stainless steel
wrap-around covering



May be used with
either cutoff or
full length stops

Stainless steel same
thickness as frame and
flush with all jamb surfaces

SPATS

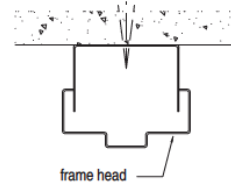


CHANNEL

ANGLE

Used on grouted masonry door openings over 48" to prevent deflection,
see Appendix A, HMMMA-820 TN01-03, Grouting Hollow Metal Frames
NOT TO BE USED AS LINTEL OR LOAD BEARING MEMBER

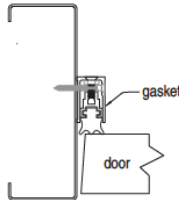
HEAD REINFORCEMENTS



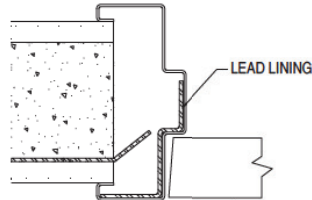
frame head

HEAD
ADAPTER

For frames extending
from slab to slab

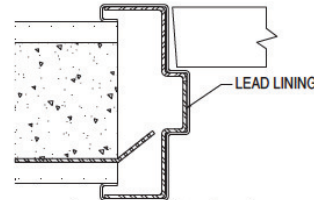


SOUND CONTROL FRAME

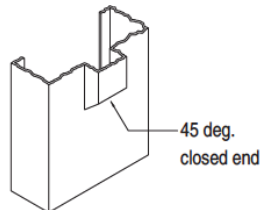


SOURCE OF RADIATION

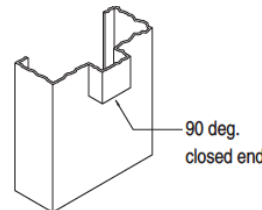
LEAD-LINED FRAME



SOURCE OF RADIATION



45 deg.
closed end



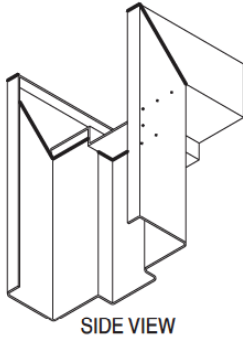
90 deg.
closed end

CUTOFF (SANITARY) STOPS
6" maximum height at fire rated openings



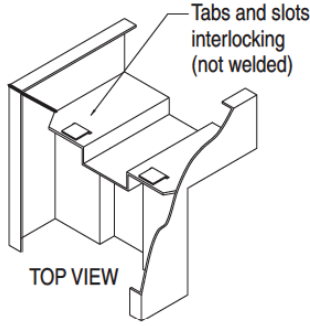
COMMERCIAL DOOR MANUFACTURING

Commercial Door Manufacturing Inc.
2914 Girard NE
Albuquerque, NM 87107
www.CommercialDoorMfg.com
Phone: 505-881-1034 Fax 505-884-1484



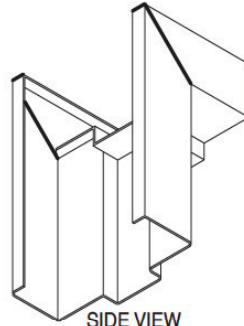
SIDE VIEW

MACHINE MITERED, CONTINUOUS WELD



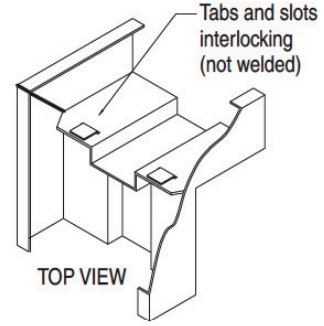
TOP VIEW

Labels: Tabs and slots interlocking (not welded)



SIDE VIEW

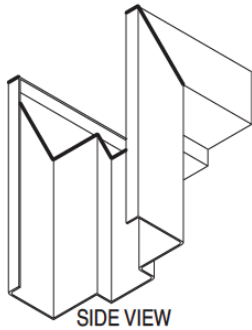
MACHINE-MITERED, FACE WELD



TOP VIEW

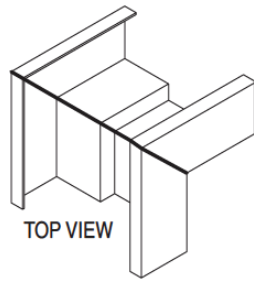
Labels: Tabs and slots interlocking (not welded)

All exposed welds ground and finished smooth

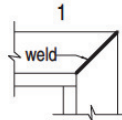


SIDE VIEW

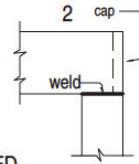
SAW-MITERED, CONTINUOUS WELD



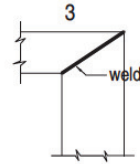
TOP VIEW



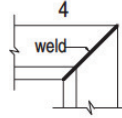
1
weld
MACHINE-MITERED
FACES MITERED, STOPS BUTTED
(METHODS A & B)



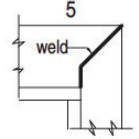
2 cap
weld



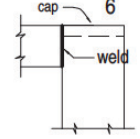
3
weld



4
weld
SAW-MITERED
OR "FULL MITERED"
(METHOD C)



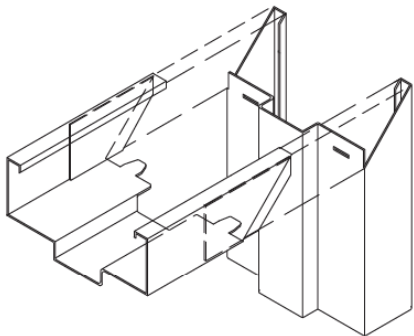
5
weld



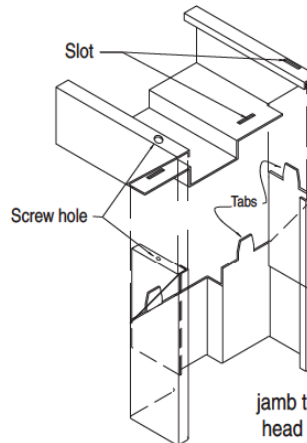
cap 6
weld

METHODS OF JOINING
FACES OF UNEQUAL WIDTHS

WELDED FRAME CORNER DETAILS



head tabs into jamb slots



Labels: Slot, Screw hole, Tabs
jamb tabs into head slots or attaches with screws

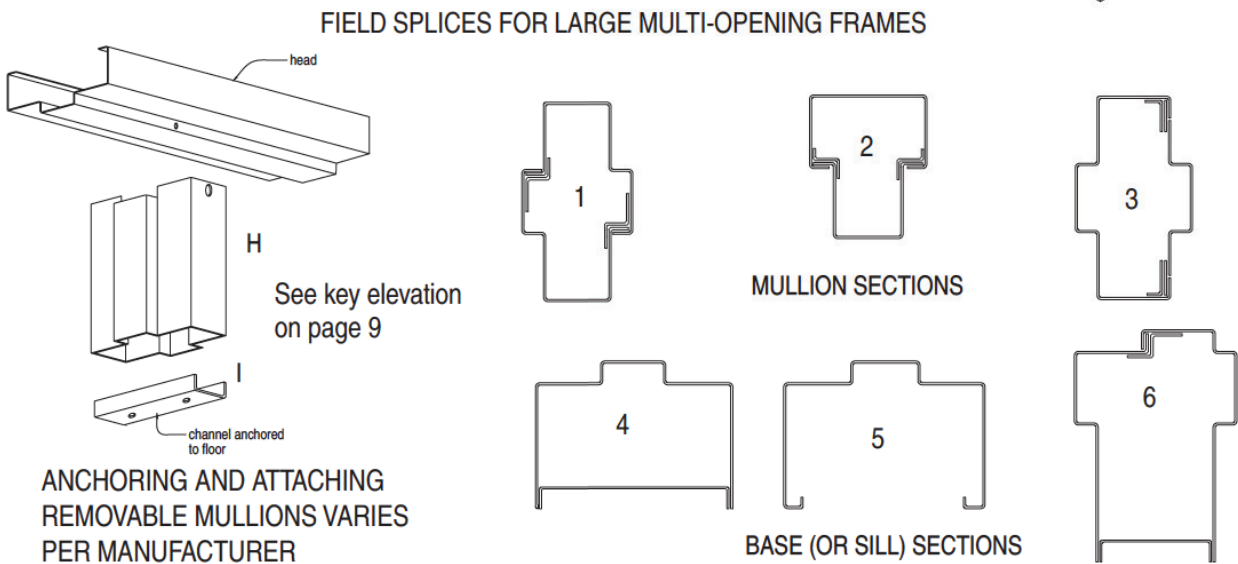
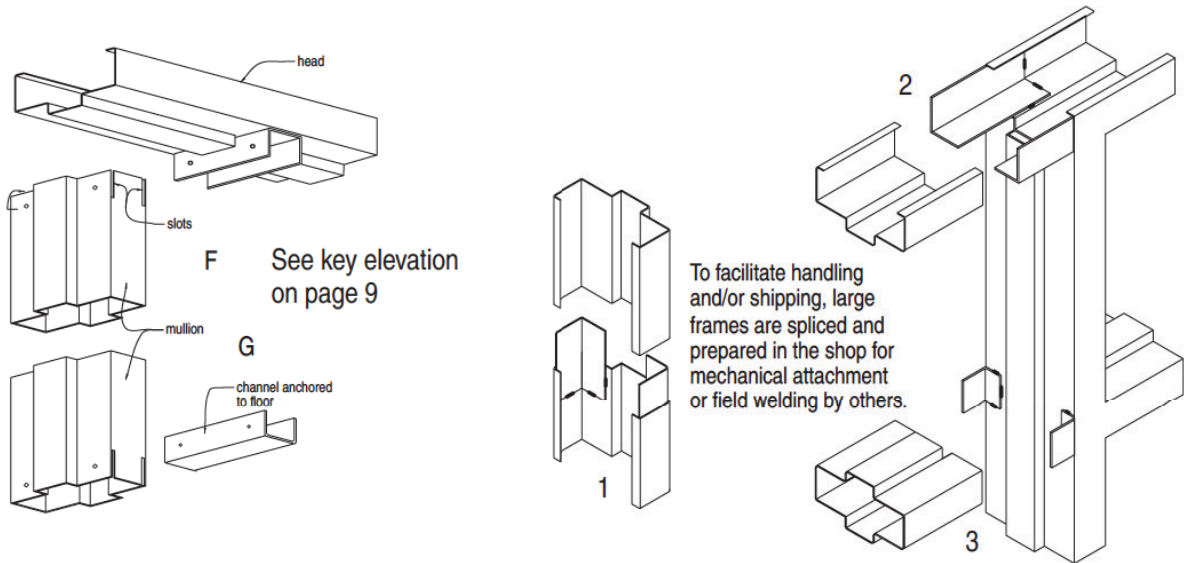
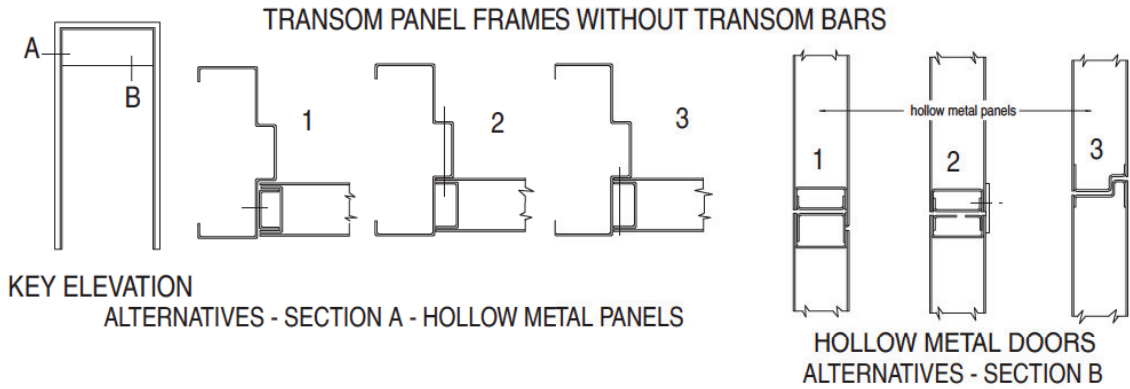
REPRESENTATIVE
CORNER DETAILS
Other methods also used -
systems vary with manufacturer

KNOCKDOWN FRAME CORNER DETAILS



COMMERCIAL DOOR MANUFACTURING

Commercial Door Manufacturing Inc.
2914 Girard NE
Albuquerque, NM 87107
www.CommercialDoorMfg.com
Phone: 505-881-1034 Fax 505-884-1484



TYPICAL DETAILS FOR FRAME PRODUCT