



## Why MPI

Why should I specify MPI doors and frames over any other manufacturer's products? This is asked from time to time by those not familiar with MPI. It is a fair and honest question which deserves an answer that is fair and honest. Following are just a few reasons for choosing MPI.

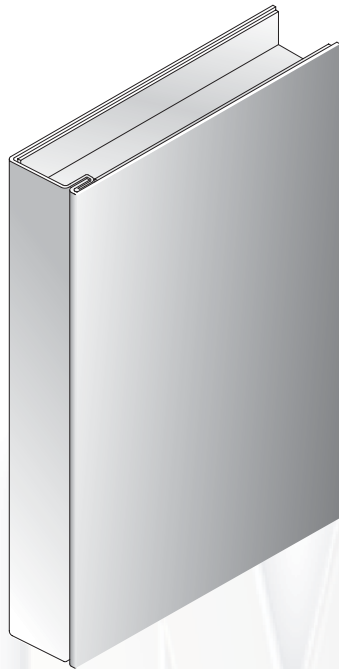
For over 30 years MPI has produced custom hollow metal doors and frames for distribution nationally and internationally. As an active member of the Steel Door Institute (SDI) and the National Association of Architectural Metal Manufacturers (NAAMM), MPI adheres to the manufacturing specifications established by the SDI and the Hollow Metal Manufacturers Association (HMMA) division of NAAMM. Products meet or exceed specification standards ANSI A250.8 and ANSI A250.4. Products also comply with all national and international codes.

MPI offers a wide range of doors and frames in various thicknesses ranging from .042 to .093 steel. Products are manufactured from highest quality commercial grade steel in cold-rolled, A60 galvaneal or G90 galvaneal. Products are manufactured for fire ratings up to three hours positive pressure including, hard to find stainless steel doors and frames. Fire rated products are labeled with an Underwriters Laboratories listing mark to indicate compliance with UL and NFPA specifications.

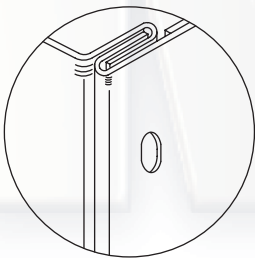
Utilization of the most up to date technological innovations assures production of quality products at competitive prices. Powerful databases and AutoCAD engineering systems aid in information processing. These, along with an experienced engineering staff, allow MPI to offer one of a kind service in the integration of complex hardware types. Our staff is available to assist in the design of the most complicated door and frame systems.

Comprehensive Quality Assurance initiatives have been developed and implemented to ensure all products are subjected to rigorous inspection and exacting QA measures before leaving the factory. It is a wide-ranging program encompassing manufacturing processes from order entry through delivery. Quality and excellence in all phases of operation have brought MPI the recognition as a leading manufacturer of custom doors and frames. Custom means every door and frame is carefully hand-crafted to exact specifications. We do not pull components from a shelf, modify them and ship to a jobsite.

Our efforts to supply a superior product do not end with systems and procedures. These are simply preliminaries in our quest for excellence. Most manufacturers do what we do, but MPI goes beyond the minimum requirements in many instances. The following pages highlight some of those extras built in to our everyday product... many of which are "options" by others. MPI places great emphasis on many details that are rarely visible in the finished product.



OPEN EDGE SEAM

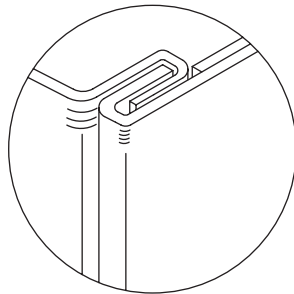


PLUG WELD HOLE AND FINISH SMOOTH

WELDS LOCATED NEAR THE TOP AND  
BOTTOM OF DOOR AND ABOVE AND  
BELOW EACH HINGE OR LOCK CUTOUT

MAY ALSO HAVE ADDITIONAL WELDS  
BETWEEN CUTOUTS

APPLICABLE TO ALL DOOR CORE TYPES



DETAIL INTERLOCKING EDGE  
(SQUARE OR BEVELED)



SEAMLESS EDGE

MAY BE TACK WELDED AND  
FINISHED SMOOTH OR  
CONTINUOUSLY SEAM WELDED  
AND FINISHED SMOOTH

APPLICABLE TO ALL DOOR CORE TYPES

THE SEAMLESS EDGE IS STANDARD ON ALL MPI DOORS

Door Edge Construction

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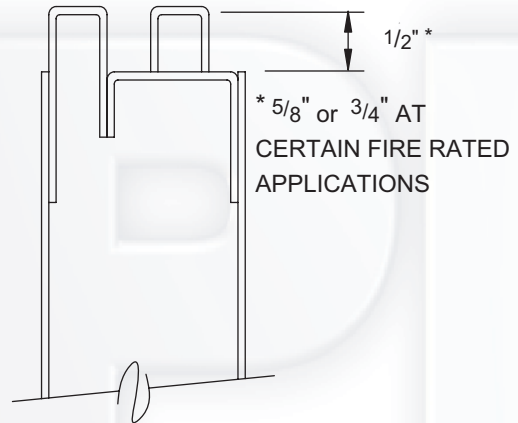
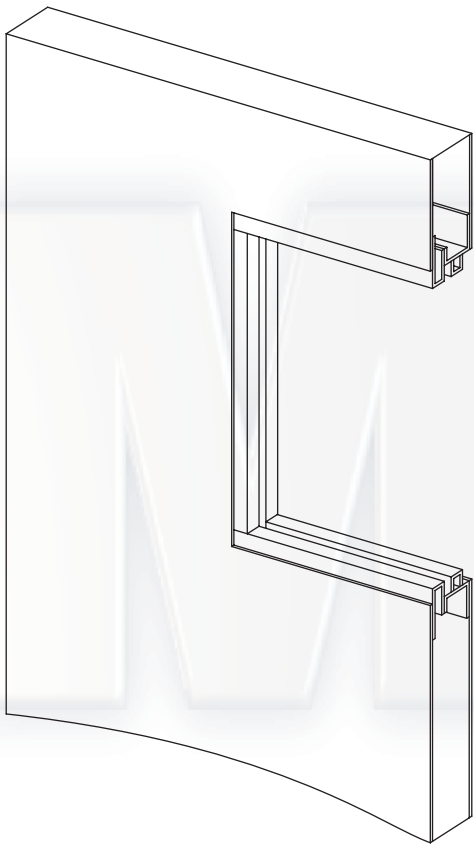
DOOR END CHANNEL (TOP AND BOTTOM)  
PROJECTION WELDED TO BOTH FACES  
MINIMUM 16 GA. STANDARD  
INVERT CHANNEL WHEN CLOSED TOP/BOTTOM REQUIRED  
MAY BE SEALED WEATHER TIGHT



STANDARD 16 GAUGE END CHANNELS

Door End Channels

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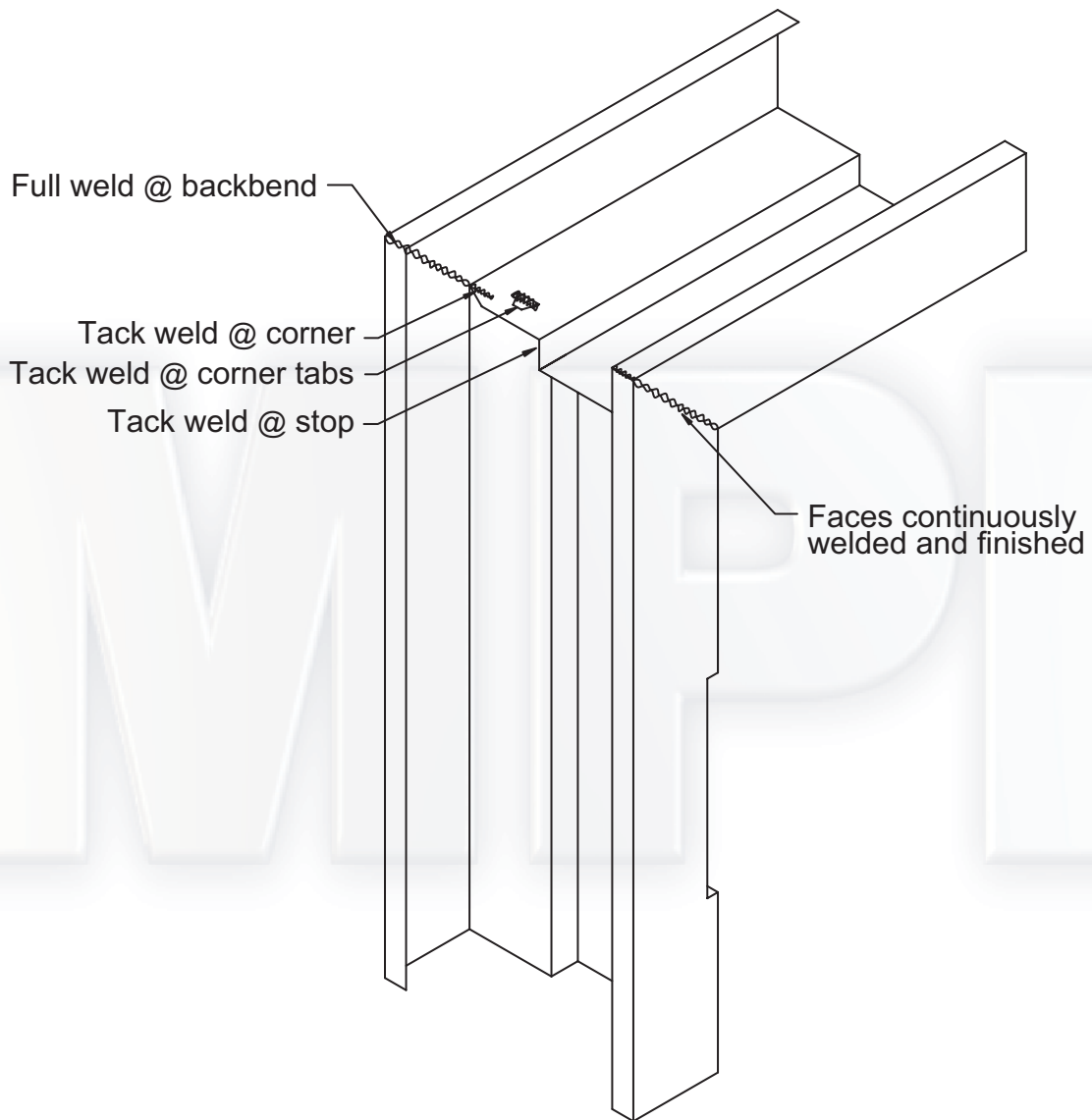
FOR GLAZING UP TO 1/2" THICK

CUSTOM SIZES AND TRIM DESIGNS FOR  
OTHER THICKNESSES ALSO AVAILABLE

INTEGRAL FLUSH GLASS TRIM IS STANDARD FOR MPI DOORS

Door Glazing Trim

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## Standard Factory Corner Weld

## HARDWARE REINFORCEMENT COMPARISON

HARDWARE ITEM		ANSI A250.8 MINIMUM REINFORCING GAUGES		MPI MINIMUM REINFORCING GAUGES	
		DOOR	FRAME	DOOR	FRAME
MORTISE HINGES	1 3/4" DOORS	10	10	7	7
	1 3/8" DOORS	12	12	7	7
MORTISE LOCKS & DEADBOLTS		14	14	11	11
BORED OR CYLINDRICAL LOCKS		14	14	11	11
FLUSH BOLTS		14	14	11	11
SURFACE BOLTS		14	14	12	12
SURFACE APPLIED CLOSERS		14	14	14	12
HOLD OPEN ARMS SURFACE APPLIED		14	14	14	12
PULL PLATES & BARS		16	-----	14	-----
SURFACE EXIT DEVICES		14	14	14	12
FLOOR CHECKING HINGES		7	7	7	7
PIVOT HINGES		7	7	7	7
KICK & PUSH PLATES		REINFORCING IS NOT REQUIRED			

All reinforcement meets or exceeds the minimum requirements of Underwriters Laboratories, ANSI A250.6, ANSI A250.8 and HMMA 860/HMMA 861.  
 This information is for reference only. Please contact the factory for hardware types not shown and for information pertaining to metric equivalents and gauge thickness.

**Reinforcing Gauges**

**MPI Technical**