

INTRODUCTION

After more than seven decades of quality, craftsmanship and service leadership, Steelcraft continues to be recognized as the world's leading manufacturer of steel doors and frames.

Steelcraft manufactures the most complete line of steel doors and frames. These products are produced from the highest quality of commercial carbon steel or galvanized steel as specified.

Steelcraft frames are designed for virtually all types of wall construction. The flush frame is primarily intended for installation as part of the wall framing system(s), while the drywall frames are specifically designed for drywall construction.

Steelcraft also offers the broadest line of labeled (Fire Rated) doors and frames for either Positive or Neutral fire test environments. Steelcraft continues to be very active in assisting building code officials in the adoption of more stringent and realistic codes for Fire Doors and Frames.

The Steelcraft Architectural Stick System consists of standard frame components that are pre-engineered for assembly and fabrication by the local Steelcraft distributor. This allows for unlimited opportunities to meet the architectural and aesthetic needs of extensive window wall, store front and entrance units.

Steelcraft is devoted to the manufacture, service and continuous improvement of steel doors, frames and their components. A measure of this commitment can be found in the great number of door and frame innovations that are now common in the industry – pioneered, designed, developed, and in certain products, patented by Steelcraft.

This Technical Manual is designed to provide Architects, Engineers, Specification Writers, End Users and Distributors with the necessary information to specify the correct Steelcraft product to meet the application and functional needs of the project. In addition to providing the industry with the highest quality of steel doors, frames and components, Steelcraft offers the widest selection of sizes, styles and designs to compliment virtually any architectural, aesthetic, security or safety requirement.

STANDARDS

Steelcraft is a long-standing and very involved member of several training and industry organizations, which are also dedicated to the continual improvement of the Commercial Door and Frame Markets. Some of the major trade associations of which Steelcraft is an active member include:

SDI	Steel Door Institute
HMMA	Hollow Metal Manufacturers' Association
DHI	The Door and Hardware Institute

DIMENSIONING

All dimensions shown in this manual are based on the imperial (feet and inches) dimensions system, with the equivalent metric (millimeters) shown in parentheses. Steelcraft has and does supply projects globally in both Imperial and Metric dimensioning. It is the responsibility of the architect, specifier and purchaser of the doors and frames to clearly indicate the dimensional system required to be met. With the multitude of building components interfacing with the door and frame installations, this is extremely critical and requires a clearly stated and understood dimensioning policy.

Steelcraft Metric Policy

Jobs ordered in metric dimensions will be supplied to the actual dimensions indicated on orders placed to Steelcraft. No dimensions will be considered nominal, unless they are clearly indicated and supported by a clearly stated metric dimensional standard. All critical, installation and functional tolerances will be in accordance with the industry tolerance published in and by the Steel Door Institute (SDI) and the Hollow Metal Manufacturers Association (HMMA).

TERMINOLOGY

The terms covered in this manual are in accordance with those published by:

SDI	ANSI A250.7 Nomenclature for: <i>Standard Steel Doors and Steel Frames</i>
HMMA	HMMA 801-05 Glossary of <i>Terms for Hollow Metal Doors and Frames</i>

LITERATURE

Literature or standards referenced in this manual can be obtained directly from the publisher of that literature. To obtain any standard referenced in this manual, refer to the organizations listed. Downloadable documents may be obtained by connecting to the organization's website.

ANSI	American National Standards Institute http://www.ansi.org
ASTM	American Society for Testing and Materials http://www.astm.org
CSI	Construction Specifications Institute http://csinet.org
DHI	Door and Hardware Institute http://www.dhi.org
HMMA	Hollow Metal Manufacturers' Association Division of NAAMM http://www.naamm.org
NAAMM	National Association of Architectural Metal Manufacturers http://www.naamm.org
NFPA	National Fire Protection Association http://www.nfpa.org
SDI	Steel Door Institute http://www.steeldoor.org
UL	Underwriters Laboratories, Inc. http://www.ul.com
WH	Warnock Hersey (Intertek ETL SEMKO) http://www.intertek-etlsemko.com

ERRORS AND OMISSIONS

Every effort has been made to ensure the accuracy and completeness of this Steelcraft Technical Manual. This manual is for use by qualified persons only. The information herein is subject to some interpretation, and from time to time, the data sheets will be updated whenever it is deemed necessary as new tests are conducted, new products and technologies are introduced and as specifications are revised. For these reasons, and because of the nature and scope of the subject, Steelcraft and its employees can assume no responsibility or liability for the absolute accuracy of the material contained herein or its use. The information in this Technical Manual is subject to change without notice and does not represent a commitment on the part of Steelcraft.

Please contact the Steelcraft Technical Service Department if you identify an error or omissions.