

STEEL DOORS

Recommended Selection and Usage Guide



SELECTION

Level 1 1-3/4" and 1-3/8" Standard Duty	Level 2 1-3/4" Heavy Duty	Level 3 1-3/4" Extra Heavy Duty	Level 4 1-3/4" Maximum Duty
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Each of the four levels noted above offer a range of construction models and designs to meet architectural requirements for preference and appearance. The standard steel door construction models are full flush, seamless and, stile and rail. (Table - 1)

USAGE

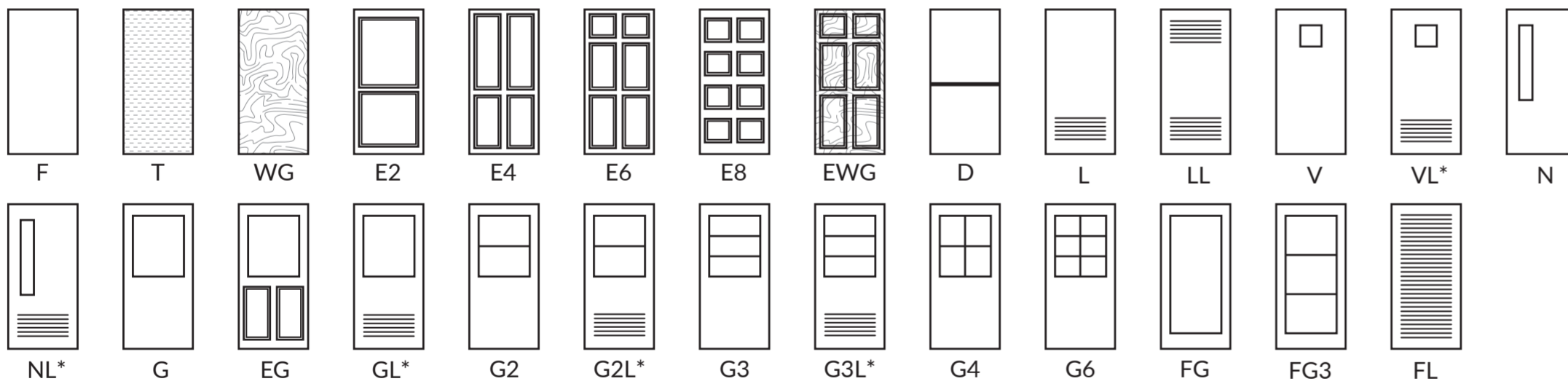
Selection of standard steel doors for general usage is made by analyzing criteria such as frequency of use, including subsection to and degree of possible abuse. Other criteria to be considered in door selection are: conformance to local building codes and fire code regulations; sound attenuation and/or insulation requirements; and architectural design and appearance. (Table - 2)

TABLE 1 - STANDARD STEEL DOOR LEVELS AND MODELS

Level	Model	Full Flush or Seamless			Construction	
		MSG No.	IP in	SI mm		
1	Standard Duty	1	20	0.032	0.8	Full Flush
		2				Seamless
2	Heavy Duty	1	18	0.042	1	Full Flush
		2				Seamless
3	Extra Heavy Duty	1	16	0.053	1.3	Full Flush
		2				Seamless
		3				*Stile & Rail
4	Maximum Duty	1	14	0.067	1.6	Full Flush
		2				Seamless

*Stiles and rails are 16 gauge; flush panels, when specified, are 18 gauge.

STANDARD STEEL DOOR DESIGN NOMENCLATURE



* Note: Design combination is indicated by light followed by louver.

NOMENCLATURE LETTER SYMBOLS

F	Flush	T	Textured	WG	Wood Grain	E2	2 Panel Embossed
E4	4 Panel Embossed	E6	6 Panel Embossed	E8	8 Panel Embossed	EWG	6 Panel Embossed and Wood Grain
D	Dutch Door	L	Louvered (top or bottom)	LL	Louvered (top and bottom)	V	Vision Light
VL	Vision Light and Louvered	N	Narrow Light	NL	Narrow Light and Louvered	G	Half Glass (options G2, G3, G4 and G6)
EG	Embossed and Half Glass	GL	Half Glass and Louvered	FG	Full Glass (option FG3)	FL	Full Louver

Louvered door designs are further specified as inserted louver (I), pierced (P), or air condition grille (A). When ordering, specify design, louver size and/or free area requirements.

TABLE 2 - SUGGESTED DOOR LEVELS AND APPLICATIONS

Building Types	Standard Steel Door Levels				Door Design Nomenclature					
	Level 1 Standard Duty 1-3/4" 1-3/8"	Level 2 Heavy Duty 1-3/4" only	Level 3 Extra Heavy Duty 1-3/4" only	Level 4 Maximum Duty 1-3/4" only	F	G	V	FG	N	L
Apartment										
Main Entrance		•	•		•	•		•	•	
Unit Entrance	•	•			•					
Bedroom	•				•					
Restroom	•				•					•
Closet	•				•					•
Stairwell		•	•				•		•	
Mechanical		•	•		•					•
Dormitory										
Main Entrance		•	•	•	•	•		•	•	
Unit Entrance	•	•			•					
Bedroom	•	•			•					
Restroom	•	•			•					•
Closet	•	•			•					•
Stairwell		•	•				•		•	
Hotel - Motel										
Unit Entrance	•	•			•					
Restroom	•				•					
Closet	•				•					•
Stairwell		•	•				•		•	
Storage & Utility		•	•		•					•
Medical										
Main Entrance			•			•		•	•	
Patient Room		•				•				
Stairwell		•	•					•	•	
Operating & Exam.		•	•			•		•	•	
Restroom		•	•			•				•
Closet	•	•				•				•
Recreation		•				•		•		
Kitchen		•	•					•		
Mechanical/Storage/Utility		•	•			•				•
Industrial										
Entrance & Exit			•	•		•		•	•	
Office	•	•				•	•			
Production			•			•				•
Restroom		•	•			•				•
Tooling/Maintenance			•	•		•				
Shipping/Receiving			•	•		•				
Monorail			•	•		•				
Office										
Entrance			•			•		•	•	
Individual Office	•					•	•			
Closet	•					•				•
Restroom		•	•			•				
Stairwell		•	•					•	•	
Equipment		•	•			•				
Boiler		•	•			•				•
School										
Entrance & Exit			•	•		•		•	•	
Classroom		•				•			•	
Restroom		•	•			•				•
Gymnasium		•	•			•	•			•
Cafeteria		•	•			•		•		
Stairwell		•	•					•	•	
Closet	•	•	•			•				•

Note: Table 2 is only a guide. Please consult ANSI/SDI A250.8 and applicable building codes for additional requirements. For additional designs refer to SDI-134, Nomenclature for Standard Steel Doors and Steel Frames.

