GENERAL INFORMATION

1. Doors and frames will be reinforced for surface applied hardware. Gages of reinforcements will meet or exceed the gages as recommended by NAAMM and The Steel Door Institute. Drilling and tapping for surface applied hardware will be done by others. Doors and frames will be prepared for mortise hardware with holes drilled and tapped at factory excepting trim mounting holes.

2. All doors and frames will be coated with one coat of paint primer baked on at the factory following phosphate cleansing.

3. Refer to detail sheets attached for anchorage, jamb profiles, and frame elevations.

4. Furnishing and installation of glass and builders hardware to be by others.

5. Hardware locations on these drawings are to the manufacturers standard locations and relevant to standard hardware types. Non-standard locations must be confirmed prior to manufacture of products required.
## DKS Door Specifications

<table>
<thead>
<tr>
<th>Series</th>
<th>Type</th>
<th>Gauge</th>
<th>Core</th>
<th>CR/GALV</th>
<th>Edge</th>
<th>Handing</th>
<th>Thickness</th>
<th>Label</th>
<th>Max Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>Flush</td>
<td>16, 18, 20</td>
<td>Polystyrene</td>
<td>CR/GALV</td>
<td>Corner Seam</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>3hr/PP/S</td>
<td>8'0 x 8'0</td>
</tr>
<tr>
<td>1100</td>
<td>Flush</td>
<td>16, 18, 20</td>
<td>Polystyrene or Honeycomb</td>
<td>CR/GALV</td>
<td>Lock Seam</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>3hr/PP/S</td>
<td>8'0 x 8'0</td>
</tr>
<tr>
<td>1200</td>
<td>Flush</td>
<td>20</td>
<td>Polystyrene</td>
<td>CR/GALV</td>
<td>Seamless</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>3hr/PP/S</td>
<td>8'0 x 8'0</td>
</tr>
<tr>
<td>1300</td>
<td>Stiffened</td>
<td>18</td>
<td>Mineral Wool Fill</td>
<td>GALV</td>
<td>Seamless</td>
<td>Handed</td>
<td>1 ¾&quot;</td>
<td>3hr/PP/S</td>
<td>8'0 x 8'0</td>
</tr>
<tr>
<td>1400</td>
<td>Stiffened</td>
<td>16</td>
<td>Mineral Wool Fill</td>
<td>GALV</td>
<td>Seamless</td>
<td>Handed</td>
<td>1 ¾&quot;</td>
<td>3hr/PP/S</td>
<td>8'0 x 8'0</td>
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<tr>
<td>MD1400</td>
<td>Max Duty</td>
<td>14</td>
<td>Polystyrene</td>
<td>GALV</td>
<td>Seamless</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>90 mins</td>
<td>4'0 x 8'0</td>
</tr>
<tr>
<td>WS1400</td>
<td>Wind Storm</td>
<td>14</td>
<td>SS</td>
<td>GALV</td>
<td>Seamless</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>90 mins</td>
<td>4'0 x 8'0</td>
</tr>
<tr>
<td>1500</td>
<td>Retrofit Replacement</td>
<td>18</td>
<td>Polystyrene</td>
<td>CR</td>
<td>Corner Seam</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>N/A</td>
<td>8'0 x 8'0</td>
</tr>
<tr>
<td>1600</td>
<td>Flush</td>
<td>16</td>
<td>Polystyrene</td>
<td>GALV</td>
<td>Seamless</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>3hr/PP/S</td>
<td>8'0 x 8'0</td>
</tr>
<tr>
<td>1700</td>
<td>6-Panel</td>
<td>18, 20</td>
<td>Polystyrene</td>
<td>CR/GALV</td>
<td>Seamless</td>
<td>Reversible</td>
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<td>3'0 x 8'0</td>
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<tr>
<td>1800</td>
<td>Flush</td>
<td>18</td>
<td>Polystyrene</td>
<td>CR/GALV</td>
<td>Seamless</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>3'0 x 8'0</td>
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<tr>
<td>1900</td>
<td>2-Panel</td>
<td>18</td>
<td>Polystyrene</td>
<td>CR/GALV</td>
<td>Seamless</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>3'0 x 8'0</td>
<td></td>
</tr>
<tr>
<td>2000</td>
<td>Flush</td>
<td>18</td>
<td>Honeycomb</td>
<td>CR/GALV</td>
<td>Seamless</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>3'0 x 8'0</td>
<td></td>
</tr>
<tr>
<td>6000</td>
<td>Flush</td>
<td>18</td>
<td>Double Egress Honeycomb</td>
<td>CR/GALV</td>
<td>Seamless</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>3hr/PP/S</td>
<td>8'0 x 8'0</td>
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<tr>
<td>9000</td>
<td>Temp. Rise 250 Degrees</td>
<td>18</td>
<td>Mineral core</td>
<td>CR/GALV</td>
<td>Seamless</td>
<td>Reversible</td>
<td>1 ¾&quot;</td>
<td>3hr/PP/S</td>
<td>8'0 x 8'0</td>
</tr>
</tbody>
</table>

CR: Cold Rolled, PP: Positive Pressure, GALV: Galvanized, S: Smoke

## Door and Frame Locations

**Standard Hardware Locations 4-1/2” Hinge**

![Door and Frame Locations Diagram](image)

Special locations, hinge sizes and lock preparations available upon request.
Special Glass Size All Door Types

**HALF GLASS**

**NARROW LITE**

**VISION LITE**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C Top Rail</th>
<th>D Lock Stile</th>
</tr>
</thead>
<tbody>
<tr>
<td>HG</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Frame Elevations

ELEVATION___
SINGLE FRAME

ELEVATION___
DOUBLE FRAME

ELEVATION___
DOUBLE EGRESS FRAME
Frame Elevations

NOTE:
Provide Door Swing & Glass side

DKS Steel Door & Frame Systems, Inc.
Borrowed Lite Elevations

ELEVATION A
8 W.S. ANCHORS

ELEVATION B
8 W.S. ANCHORS

ELEVATION C
10 W.S. ANCHORS

ELEVATION D
12 W.S. ANCHORS

ELEVATION E
10 W.S. ANCHORS
Anchors/Wall Conditions

- **MA**: Wire Masonry Anchor 3" thru 8 3/4" (Standard) Specify "MA"
- **M2**: Masonry Anchor 9 1/2" and over (Optional) Specify "M"
- **MT**: Masonry Anchor under 9 1/2" (Optional) Specify "MT"
- **PUNCH & DIMPLE**:
- **SS**: Steel Stud Anchor (Standard) Specify "SS"
1000, 1100, 1200, 1600, 1700, 1800, 1900 Series

Polystyrene Core  1 ¾” Doors

Typical Glazing Preparations

Typical Hardware Preparations

DKS Steel Door & Frame Systems, Inc.
1900 Series 2 Panel Doors

1700 Series 6’8”, 7’0”, 8’0” 6 Panel Doors
# 1900 Series 2 Panel Doors

## Steel Stiffened Doors

### HORIZONTAL VIEW
- WELDED SEAMLESS LOCK EDGES BEVELED 1/8" IN 2"
- DENSE INSULATION BETWEEN STIFFENERS
- SQUARE HINGE EDGE
- 22 GA. STIFFENERS 6" APART
- TOP CAP

### VERTICAL SECTION
- 16 GA. CHANNEL

### TYPICAL LOCK PREPARATIONS
- ANSI / DHI (MORTISE) A115.1
- ANSI / DHI (BORED) A115.2

### Door Options
- F
- V 10X10
- N 5X20
- N 4X25
- N 3X33
- G
- L1

---

DKS Steel Door & Frame Systems, Inc.
2000, 6000 Series 1 ¾” Honeycomb Core

HONEYCOMB CORE

TOP VIEW

HONEYCOMB CORE

TYPICAL GLAZING SYSTEM

HONEY COMB CORE DETAIL

NON-HANDED HINGE

3 HR. LABEL STYLES

F

1 1/2 HR. LABEL STYLES

F V 10X10
N 5X20
N 4X25
N 3X33

3/4 HR. LABEL STYLES

LI G

DKS Steel Door & Frame Systems, Inc.
4000 Series 1 ¾” Masonry Frames

FRAME PREPARATIONS

Hinge Backset

4 1/2” x 4 1/2”
1 3/4” FRAME HINGE PREP

(4 7/8”)
UNIVERSAL STRIKE

(2 3/4”)
CYLINDRICAL STRIKE

FRAME PROFILES

* - 5/8” RETURNS ALSO AVAILABLE WITH A MINIMUM 1 3/4” THROAT

Note: 7/16” RETURNS ARE STANDARD WITH 5 3/4” DEPTH

ANCHORS

WOOD STUD ANCHOR
(Standard)
Specify “WS”

WIRE MASONRY ANCHOR
(Standard)
Specify “MA”

STEEL STUD ANCHOR
3 3/4”, 4 1/4”, 5 3/4”
(Specify “C”)

FLOOR ANCHOR
(Standard)

EXTENSION
(Optional)

BENT TAB
NOTE: TABS MUST BE BENT OUTWARD

CORNER REINF.
WELDED TO HEADER

TYPICAL MITERED CORNER
INTERLOCK FRAME SHOWN
WELDED MITER CORNERS OPTIONAL

DKS Steel Door & Frame Systems, Inc.
5000 Series 1 ¾” Drywall Frames

FRAME PREPARATIONS

- Hinge Backset
- 4 1/2” x 4 1/2” 1 3/4” Frame Hinge Prep
- (4 7/8”) Universal Strike
- (2 3/4”) Cylindrical Strike

FRAME PROFILES

- STANDARD 1 3/4” Frame
- 7/16” Return at 7” Depth
- Cased Opening Frame

ANCHORS

- #18 Ga. Corner Reinforcement
- Adjustable Anchor
- Welded Sill Straps Standard (Baseholes Optional)
- Middle Stiffener (Where Required at Fire Rated Frames)

TYPICAL

Wood Stud Application Shown
Also Applicable With:
Laminated Drywall
Steel Stud with 1 & 2 Ply Drywall
Nailable Stud
And Precast Concrete.
X4000 Expandable Masonry Frames

X5000 Expandable Drywall Frames

DKS Steel Door & Frame Systems, Inc.
6000 Series 1 ¾” Double Egress Frames

DOUBLE EGRESS FRAME

FRAMES PROVIDED RIGHT HAND EXCEPT AS NOTED

K-D CORNER DETAIL

FRAME HEIGHT
(MEASURED FROM BOTTOM TO DOOR RABBET)

FRAME WIDTH
(MEASURED BETWEEN DOOR RABBETS)

2 5/8"

1/2"

1 3/8"

HINGE BACKSET

SEE SCHEDULE

ARC WELDED INSIDE AS SHOWN

CORNER DETAIL

WELDED AND GROUND SMOOTH (OPTIONAL)

SPOTWELD AS SHOWN

FLOOR ANCHOR DETAIL

DKS Steel Door & Frame Systems, Inc.
9000 Series 1 ¾" Doors

MINERAL BOARD CORE

TYPICAL GLAZING PREPARATIONS

TYPICAL HARDWARE PREPARATIONS

3 HOUR
LABEL STYLES

1 1/2 HOUR
LABEL STYLES

3/4 HOUR
LABEL STYLES

DKS Steel Door & Frame Systems, Inc.