



# Diamond Door Products

*Customer Focused, Solutions Driven*

A Cut Above the Competition



**Diamond steel doors  
and frames are  
manufactured in the  
U.S.A.**



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Diamond Door Products is a manufacturer of commercial and industrial steel doors and frames, windows, specialty items, and hardware based in Hempstead, TX. Diamond was established in 2004 and has produced over 200,000 door and frame units in that time. It has over 65,000 sq.ft. of space under roof dedicated to its manufacturing operations including a multitude of press brakes, folding machines, weld stations, assembly tables, and a state of the art paint line with drying oven. It's Elkhart, Indiana location acts as the Midwestern distribution center with another location soon planned for the southeast.

As a full line supplier, Diamond's primary focus is on the metal building industry, but it also provides product into the modular building, tilt-up wall, and general commercial, industrial and agricultural industries.

Diamond manufactures products to the market or specific customer specifications and at the price points required. Manufacturing the product allows Diamond to control quality from start to finish, and build product to exact specifications and dimensions for stock or project oriented work - done in surprisingly short lead times.

Diamond works directly with metal building manufacturers and direct OEM accounts. Therefore pricing is based on a direct relationship, not through a middleman or distributor. This typically significantly reduces the customer cost over traditional channels.



## ***Metal Building Products—Knock Down Doors***

Diamond manufactures the largest and most complete line of knock down door systems in the industry. Knock down doors are typically supplied in stocking programs and have many varieties and choices to make a product fit the customer's unique specifications and provide a best fit for their building and wall applications.



### Door Choices:

Doors are made from 20 gauge galvanized (A40 or A60) steel, with 18 gauge as an option. Doors are made reversible, with either a straight edge or beveled edge. Hinge reinforcements are 7 or 10 gauge. The skin itself can be textured or smooth. The standard core is polystyrene insulated (R-8.5), with polyurethane an option when higher R values are required. Lock reinforcements for every lock type are available and included. An optional closer reinforcement is available.

### Frame Choices:

Frames are 16 gauge galvanized (A40 or A60) with a butted jamb to head connection for reversibility. Hinge reinforcements are 7 or 10 gauge. Many frame profiles are available, with the "kerf" type frame becoming the industry norm due to the ease of weatherseal application. "Open back" frames are generally used when no framed opening will be supplied. In this case, the frame is commonly designed to match the girt depth. A frame with 1/2" returns will be used in conjunction with a framed opening or other traditional wall applications (various anchors are available for each wall application).



### Hardware Choices:

Diamond provides several hardware lines depending upon the customer requirements. Each line is complete with many different types of locks and price points. The "best value" is Diamond's own line of Southern Hardware. The best feature of this line may be the stainless steel finish on various grades of levers and knobs, or it may be the extended warranties, or it may be just the number of choices available.

### Packaging:

All knock down doors are poly-bagged, and then wrapped in corrugated sleeves for ultimate protection. Frames and miscellaneous hardware components are packaged in a corrugated box. Larger hardware items, such as panic devices, and closers are supplied in their factory boxes. All items are palletized in appropriate quantities for the stock or project order. Export orders are packaged in registered export wood crates.

### Paint:

Doors have a baked-on finish coat of paint. The mills of paint averages 1.2 mills dry. Standard colors are white, bronze, or gray, but special colors are available for stocking programs or large products.



## ***Metal Building Products—Preassembled Doors***

Diamond produces the largest selection of preassembled doors in the industry. Preassembled doors differ from knock down doors because they are completely factory assembled including all hardware, lite kits, and a sub-frame system (c-channel/framed opening). The installation time for preassembled doors averages 35 minutes so compared to knock down doors, this might mean 4 to 8 hours of immediate labor savings. Preassembled doors are also beneficial because all hardware is guaranteed to be installed correctly and in good working order. Comparing the total preassembled and knock down costs over time, including the cost of call backs and lost parts, a preassembled door may be some builders best option.



### Key Features:

- ◇ 20 Gauge Door, A40/A60 Gal, Reversible, Insulated
- ◇ 16 Gauge Kerf Frame, A40/A60 Gal 5 3/4" x 6" Head, Reversible
- ◇ 16 Gauge Subframe system (full c-channel)
- ◇ 12 Gauge Adjustable Top Anchors
- ◇ Southern Grade 2 Lever Lock US32D (stainless steel)
- ◇ Kerf frame profile and weatherseal
- ◇ Full 5 3/4" Aluminum Threshold
- ◇ Ball Bearing, NRP Hinges (powder coated)
- ◇ Exterior Mount Sweep/Drip Combination
- ◇ Full Line of Optional Hardware
- ◇ Optional 18 Gauge Door
- ◇ Smooth or Textured Door skins
- ◇ BAA Compliance



### Common Options:

- ◇ 18 Gauge Door Upgrade
- ◇ 14 Gauge Frame Upgrade
- ◇ Stainless Steel Hinges (US32D)
- ◇ Mortise Lever Lock
- ◇ Exit Devices
- ◇ Closers
- ◇ Lite Kits (temp and insulated glass)
- ◇ 14 Gauge Subframe System Upgrade
- ◇ Kickplates
- ◇ Crash Chains
- ◇ Latchguard
- ◇ Many others

### Packaging

Doors are made to individual order specifications. The door is hung in the frame, hardware installed, and the subframe (c-channel) attached. After doors are completely assembled they are packaging in wood "surround". Doors are skidded up to four (4) high on 3070's and 4070's and two (2) high on 6070's. Skids are 4-way and have 4 length long runners.



## Distribution/Lead Times

Through the use of its multiple distribution locations, Diamond can reach any customer location quickly. Deliveries are made through company owned trucks, LTL or dedicated carriers. Lead times for knock down stock product are generally less than 10 working days. Preassembled doors are made within 5 working days with a “next day” service for quick ship needs. Specialty items are quoted and based on material availability but generally done within 4 weeks.



## Specialty Products

Although many of the products shown are built for a metal building application, there are many other applications that Diamond manufactures product for. Wall applications include: masonry walls, wood stud, steel stud, and framed openings, while building types include modular, mini-warehouse, and conventional commercial, industrial, and agricultural buildings. In addition, many projects require specifications that require special sizes, gauges, or unique application that have to be manufactured per order. With Diamond’s manufacturing capabilities, there is nothing out of reach.



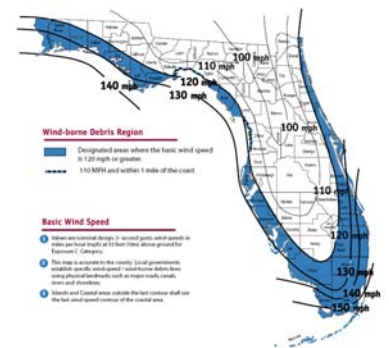
## Buy American Act (BAA)

All doors and frames are manufactured by Diamond in Hempstead, Texas from steel produced in the USA. Meeting BAA requirements state that the products must have a minimum of 51% of USA manufactured product. Thus, both domestic and import hardware are choices that would allow for the door system package to meet BAA requirements. See our technical details for further information.

## Windstorm Registered Product

Diamond has a large selection of doors registered with the Florida Building Code (FBC) and the Texas Department of Insurance (TDI). You can find this information on our website or each organizations web at [www.floridabuilding.org](http://www.floridabuilding.org), or [www.tdi.state.tx.us](http://www.tdi.state.tx.us)

- ◇ Florida Building Code — Diamond Registration # FL12873
- ◇ Texas Department of Insurance — Diamond Registration # DR-290



## Performance Specifications

Doors and frames are manufactured to SDI standards to gauges and tolerances. Below is a brief listing of some of the performance standards:

- ◇ SDI 117 Manufacturing Tolerances Standard
- ◇ SDI 112 Zinc coated standard for Steel Doors and Frames (ASTM A653)
- ◇ SDI 131-04 Physical Endurance Test Procedures
- ◇ SDI 118 Basic Fire Door Requirements
- ◇ ANSI A250.6 Recommended Practice for Hardware Reinforcements
- ◇ ANSI A250.3 Test Procedures and Acceptance Criteria for Factory Applied Finish Paint

