

General

Work Included

Doors shall be sectional overhead type Therm-O-Dor as manufactured by Steel-Craft Door Products Ltd. Each door shall be supplied as one complete unit manufactured by Steel-Craft, including sections, tracks, brackets, rollers, struts, counter balance mechanisms, hardware (list options) to suit the opening and headroom available.

Related Work

Opening preparation, miscellaneous or structural metal work, access panels, finish or field painting, field electrical wiring, wire, conduit, fuses, and disconnect switches are in the Scope of Work of other divisions or trades.

Product

Door Sections - Are roll-formed from pre-painted, hot dipped, galvanized steel. Sections are manufactured by a continuous foamed-in-place polyurethane process resulting in a steel-polyurethane-steel sandwich type construction. They must incorporate a mechanical interlock feature which provides a positive mechanical lock on the exterior and interior skins, and also acts as a Therm-O-Break. Skins of sections will be ribbed for added strength and utilize ship-lap joints with continuous applied joint seal for a weather-tight fit.

Face sheet thickness - TD134 and TD138 = .016
- TD134-20 = 20 gauge

Section thickness - TD134 = 45mm (1 3/4")
- TD138 = 35mm (1 3/8")
- TD134-20 = 45mm (1 3/4")

Thermal value of sections - TD134 and TD134-20 = R.16.04
- TD138 = R.12.6

End stiles - TD138 = 20 gauge galvanized steel
- TD134 and TD134-20 = 16 gauge
- Double end styles = 14 gauge

Hardware - Galvanized hardware to include graduated end roller hinges, intermediate hinges, adjustable top roller brackets, bottom fixtures that have cable adjustment, and 2" or 3" rollers that have 10 floating ball bearings in case hardened steel races.

Track - 2" or 3" steel track as required. Vertical tracks to be minimum 16 gauge galvanized steel: tapered and mounted for wedge-type closing. Horizontal tracks to be minimum 14 gauge galvanized steel. Vertical tracks to be bracket mounted or continuous angle mounted and fully adjustable for sealing door to jamb. Horizontal track is adequately reinforced with C-channel.

Spring Counterbalance - Helically wound torsion springs, manufactured from oil tempered spring wire, stress relieved minimum 10,000 cycles. Cable drums and spring fittings will be made of die-cast high-strength aluminium. Galvanized aircraft quality steel to cable provide a minimum 7-1 safety factor, mounted on 1" tubular steel, 14 gauge minimum or 1" CRS solid shaft mounted on ball bearings.

Windload - Doors will be designed to meet or exceed industry standard for windloads.

Lock - Interior mounted (left or right side) spring-loaded side bolt lock engages in track (optional 5 pin tumbler security side lock, or double bar latch). Master keyed cylinders, if required, to be supplied by others.

Weatherstrip - Bottom weatherstrip is a "U" shape all weather seal. Between sections have a continuous applied joint seal.

Finish - The finish is a two coat baked on polyester with white interior and white (brown) exterior (other colours optional.)

Glazing - (options) see inside

- A. 18" x 4 3/4" - (TD134 only) sealed glass set in a moulded frame.
- B. 23 1/2" x 11 1/2" - dual polycarbonate set in a moulded frame.
- C. 21" x 5 1/2" - sealed glass set in moulded frame.
- D. 32" x 15" - sealed glass set in moulded frame.
- E. Full vision glass set in an aluminium section, white.

Operation - Hand chain hoist or electrical operator recommended for doors over 12' high.

Execution

Installation - Install the doors in accordance with Steel-Craft instructions and standards using an authorized Steel-Craft Door Products representative.

In our continuous effort for product improvement Steel Craft reserves the right to change product specifications without notice or obligation.

Represented by:

STEEL-CRAFT
DOOR PRODUCTS LTD.

HEAD OFFICE & DISTRIBUTION

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Branch Sales and Distribution Centres:

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Printed in Canada

THERM-O-DOR

Models
TD-138, TD-134
& TD-134-20

STEEL-CRAFT
DOOR PRODUCTS LTD.

Superior Quality Polyurethane Insulated Steel Doors.

Standard Features

Panel Thickness - TD134 - 1 3/4" (45mm)
 - TD138 - 1 3/8" (35mm)
 - TD134-20 - 1 3/4" (45mm)

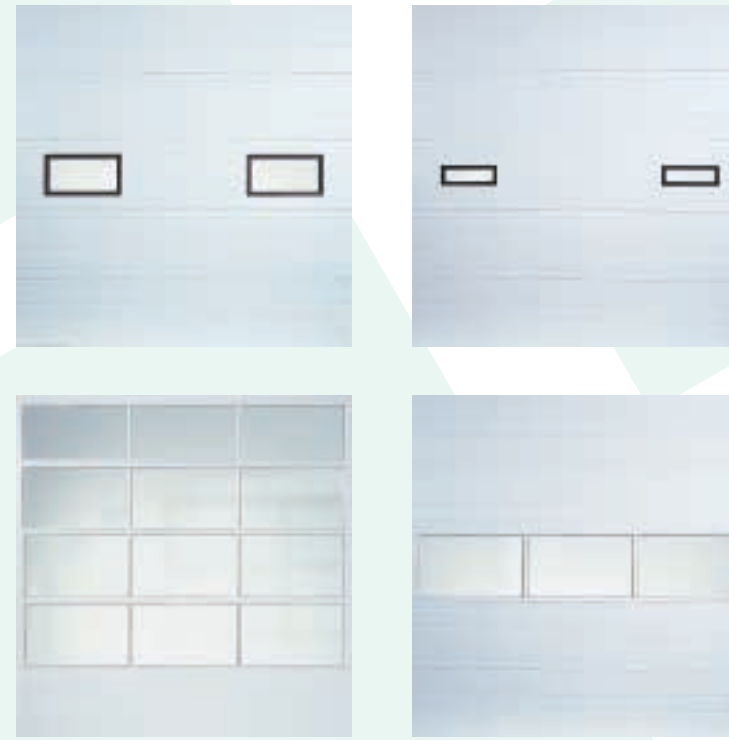
R-Value - TD134 - 16.04
 - TD138 - 12.6
 - TD134-20 - 16.04

Exterior .016 (.40mm) galvanized steel
 Exterior surface ribbed, stucco texture
 Standard springs 10,000 cycle
 Maximum width consult head office
 Maximum height consult head office
 Exterior colour white or brown
 Interior colour white
 Warranty 7 year delamination

Therm-O-Dor products have a reputation as an exceptionally strong, tough door, unequalled in quality and performance. Our unique, high-speed, computer controlled, continuous production line makes it possible to produce a quality door at competitive pricing.

Options

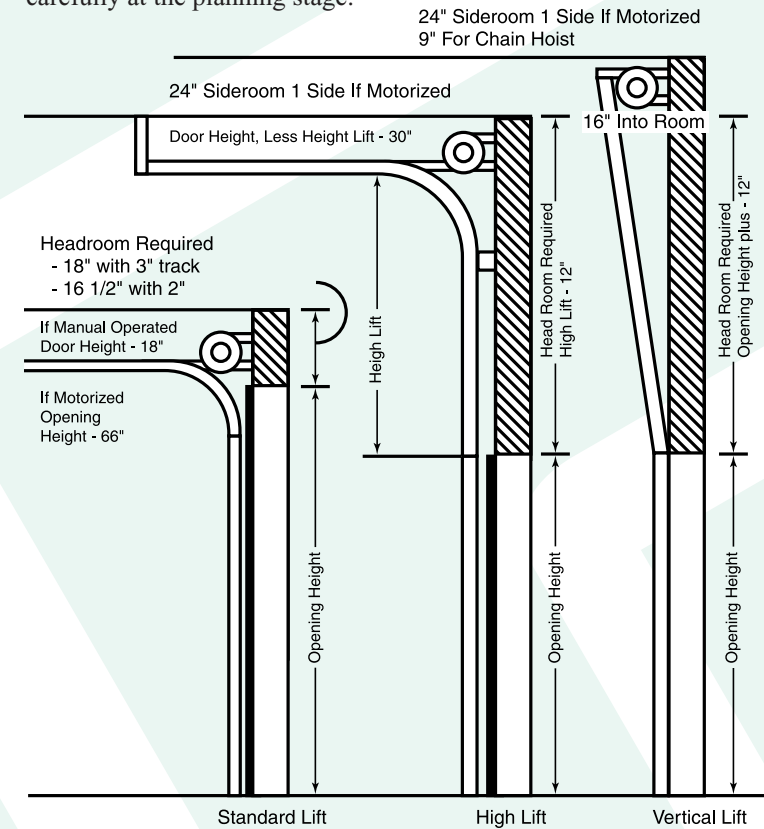
- Thermal glazing
- Four-section pedestrian pass door
- High-usage package
- Steel/vinyl jamb weatherstrip
- Electric operator or chain hoist
- Combination PVC step plate and lift handle
- Safety bottom fixture
- Bottom sensing edge
- Header seal flap
- Aluminium sash section available to 20' 2" (6,141 mm) wide
- Five-pin tumbler keyed lock
- Exhaust ports
- High lift and full vertical lift
- Low headroom package
- High cycle springs
- Special colours
- Movable centre posts



For glazing options see back page

Track Details

Headroom requirements are important and should be considered carefully at the planning stage.



Features

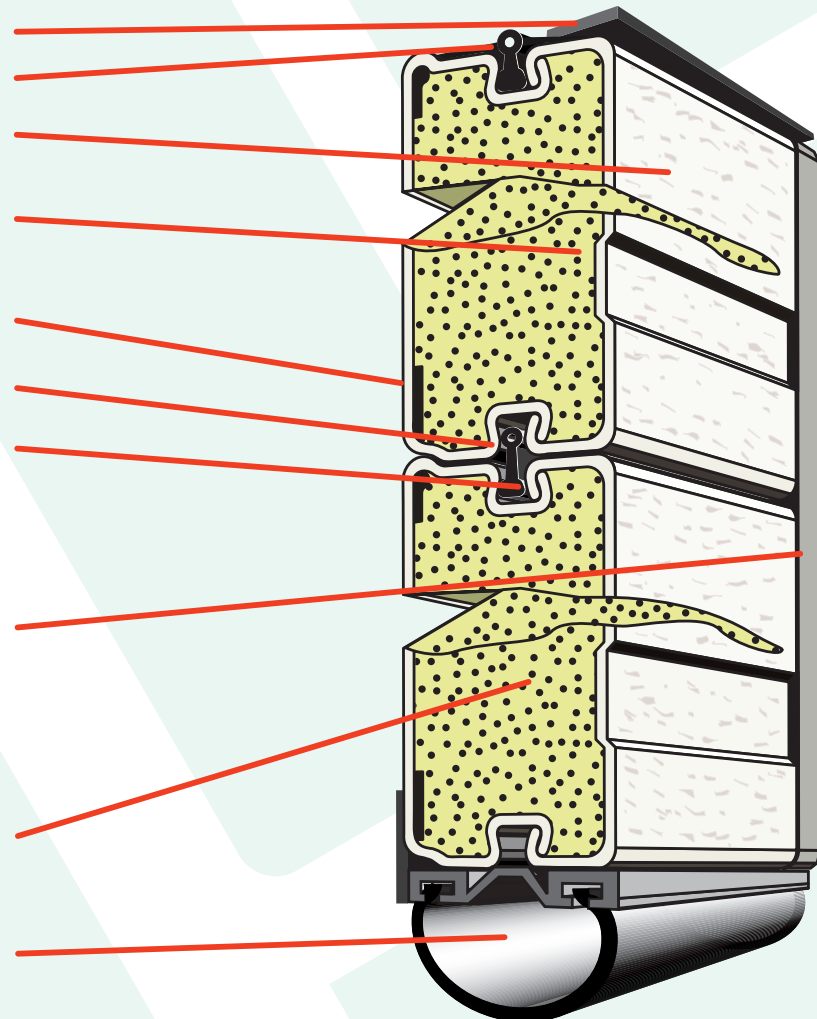
- **Technology Advanced Construction** - Therm-O-Dor features an exclusive, patented mechanical interlock which is incorporated in the panel design that locks together the exterior and interior steel skins. This feature is only available with the Therm-O-Dor product.
- **Energy Saving** - Air infiltration and conductive energy loss is minimized with intermediate between section joint seals: top, bottom and side double flap weather seals and a Therm-O-Break between the interior and exterior steel surfaces.
- **Durability** - Unequalled adhesion of the steel skins to the polyurethane core offers increased strength and is backed by our 7 year warranty against delamination. The steel interior and exterior skins are galvanized to prevent rust.
- **Virtually Maintenance Free** - the sections are finished with a two coat baked on polyester paint finish providing long-term resistance to fading and corrosion.
- **Security** - The Therm-O-Dor offers excellent protection against break-ins. The security is provided by a tough section made up of a core of polyurethane covered with two steel skins. The sections are held together with heavy duty hardware and sturdy interior side locks to ensure maximum security.

Framing Details

For more details call head office for shop drawings.

Door Opening Width	Number of Windows
Up to 10'	2
10' 3" - 12' 11"	3
13' - 18' 11"	4
19' 3" - 20' 11"	5
21' 3" - 22' 11"	6
24' 11" - and over	Consult Steel-Craft

- Flexible top seal (optional).
- Vinyl retainer.
- Stucco embossed rib reinforced exterior skin.
- Two coat baked on polyester paint finish on inner and outer skins.
- Continuous steel reinforcement for hardware attachments.
- Therm-o-break.
- Mechanically interlocked front and back steel skins.
- Galvanized end caps
 Model TD138 - (20 gauge).
 TD134 - (16 gauge).
 (double end - 14 gauge).
 TD134-20 - (16 gauge)
 (double end - 14 gauge).
- CFC 11 free polyurethane core
 Model TD138 - (R12.6).
 TD134 - (R16.04).
 TD134-20 - (R16.04).
- Bulb-shaped floor-seal conforms to minor floor irregularities.



Limited Warranty
 Seven (7) years against delamination of the polyurethane foam from the steel skin on the panel and one (1) year on defects in workmanship and material. See dealer for complete warranty details.