

Therma Series

Insulated Steel Garage Doors

UP TO

R-16

MAXIMUM THERMAL
EFFICIENCY AND
DURABILITY

10

HEAVY DUTY - COMMERCIAL GRADE



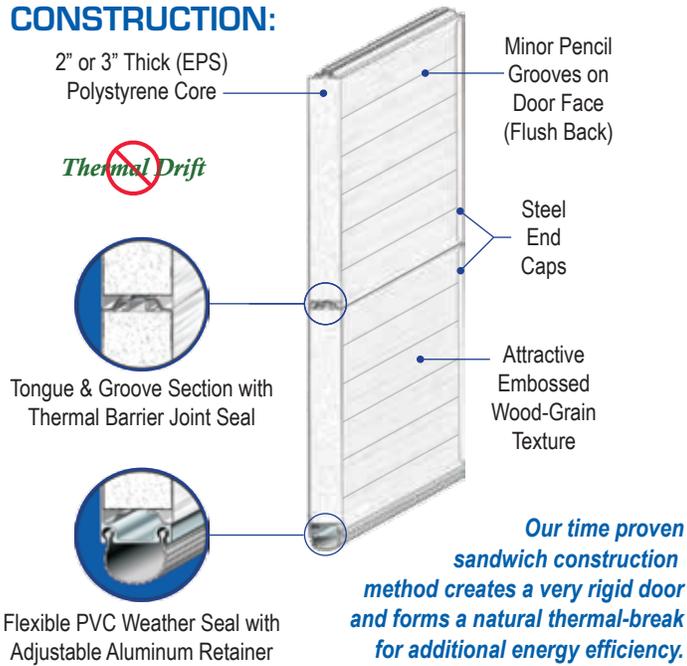
- Since 1946 -

NORTHWEST DOOR®

Therma Series

Commercial Industrial Garage Doors

CONSTRUCTION:



WINDOW TYPES:



- Door Shown with (A) Aluminum Full-View Sections -



(B) Vision Lite



(C) Standard Lite



(D) Security Lite

TRACK TYPES:



- Vertical Lift - - High Lift - - Standard Lift - - Low Clearance -

MODEL 650 — R 16

MODEL 308TM — R 12

MODEL 308 — R 10.4

DOOR SECTIONS:

Door sections are roll formed from hot dipped G-40 galvanized steel and comply with ASTM A653/A653M standards. The sections are sandwich construction type and insulated with expanded polystyrene.

- Model 650, 3" thickness, *R Value 16, U Factor .062
- Model 308TM, 2" thickness, *R Value 12, U Factor .083
- Model 308, 2" thickness, *R Value 10.4, U Factor .096

The door sections are also thermally broken and have a thermal barrier joint seal between door sections. A compressible loop-type PVC bottom weather seal is secured with an extruded aluminum retainer that extends the full width of the bottom of the door. Door widths are available up to 24' 2" and heights up to 16' in three inch increments using 21" and 24" section heights.

**R Values are calculated specifically for the colder climates and offer the best long term insulating value.*

DOOR FINISH:

The door sections have a four-coat protection system:

- (1) galvanizing
- (2) phosphate treatment
- (3) baked on epoxy base coat
- (4) white finish coat

HARDWARE:

Hardware components are hot-dipped galvanized steel with exception of the rollers. All steel components comply with ASTM A653/A653M. Assembled doors meet wind load standards and all specifications established under ANSI/DASMA 102-2011 Garage Door Specifications. Manual push up or chain hoist operation as required by door size.

SPRING ASSEMBLY:

The Torsion spring counter balance assembly consists of:

- die cast cable drums
- 1" diameter steel torsion tube or solid shaft
- stranded galvanized aircraft cables with 5:1 safety factor
- minimum 10,000 cycle oil tempered torsion springs, spring wire complies with ASTM A229/A229M-12 specifications

TRACK ASSEMBLY:

Tracks are commercial quality G-60 galvanized steel and comply with ASTM A653 / A653M. Track systems are 2" or 3" in size, 16 gauge to 12 gauge depending on the door size and weight.

Vertical tracks are graduated and provide an adjustable wedge-type closing action. Horizontal tracks are reinforced with steel angle of adequate length and gauge to help prevent deflection. Additional field bracing must be provided by the garage door installer to prevent deflection and establish a rigid installation.

WINDOWS:

Window Selection: (A) Mill finish aluminum Full-View Section, 3 PVC inset lite styles (B) Vision Lite **33-1/4"Wx14-1/4"H, (C) Standard Lite **17-1/4"Wx11-1/4"H and (D) Security Lite **18-3/4"Wx5-1/2"H.

All windows are standard with 1/8" clear annealed single pane glass. Optional single pane tempered, textured, colored and insulated glass.

***This is the visible viewing area through the window.*

LiftMaster Northwest Door recommends LiftMaster® Professional Line Garage Door Openers on all Northwest Door® garage doors.



NORTHWEST DOOR®

Northwest Door, Inc - 19000 Canyon Road East - Puyallup, WA 98375

800-522-2264 www.northwestdoor.com

- Since 1946 -

