



STORMDEFEND

STORM SHELTERS, DOORS & ACCESSORIES
from Protective Structures, LTD.

DE SERIES - FEMA 320/361 TORNADO DOORS

DE Series Steel Stiffened Doors shall be as manufactured or furnished by Protective Structures, Ltd.,

Thickness - 1-3/4"

Actual Door Size - Door undersized from nominal by 1/4" in width and 7/8" in height. Standard undercut is 3/4".

Hinge Rail & Reinforcement - Hinge edge is non-beveled and is reinforced with a continuous 10 gage steel channel projection welded at a maximum 5" on center.

Lock Rail - Lock edge is beveled or non-beveled and reinforced with a continuous 14 gage steel channel projection welded at a maximum 5" on center. (Beveled lock edge 1/8" in 2" optional)

Top Channel - Top Channel is an inverted 12 gage channel, projection welded at a maximum 2-1/2" on center.

Bottom Channel - Bottom Channel is an inverted 16 gage steel channel, projection welded at a maximum 2-1/2" on center.

Cores Available - Insulated/Steel Stiffened core

Stiffener Gage & Size - 18 gage - 4" wide

Stiffener Spacing - Maximum 6" apart (Varies according to door width)

Stiffener Welding - 5" maximum on centers. (Vertically)

Face Skins - 14 gage (cold rolled steel or galvanealed)

Closer Reinforcement (optional) - 12 gage channel (18" x 6")

Size Availability - (Singles) Maximum 4'0" x 8'0", (Pairs) Maximum 8'0" x 8'0" (requires hollow metal mullion)

SDI 100 Grade/Model - Levels 1-4 and Models 1 or 2 (Maximum Duty Performance Level A) (Standard)

Label Range - Consult Label Section for Fire Ratings (maximum 3 hour).

Edge Seam Construction - Visible seam, continuously welded seamless and intermittently welded seamless available.

Universal Standard/Heavy Weight Hinge - Hinge fillers are used, allowing for an easy modification from standard weight to heavy weight hinge prep

Handing Design - Non-Handed standard (optional handed)

Protective Structures, Ltd.

Toll Free: 888.521.8666 • Phone: 770.521.8666 • Fax: 770.521.2299
Info@protectivestructures.com • www.protectivestructures.com

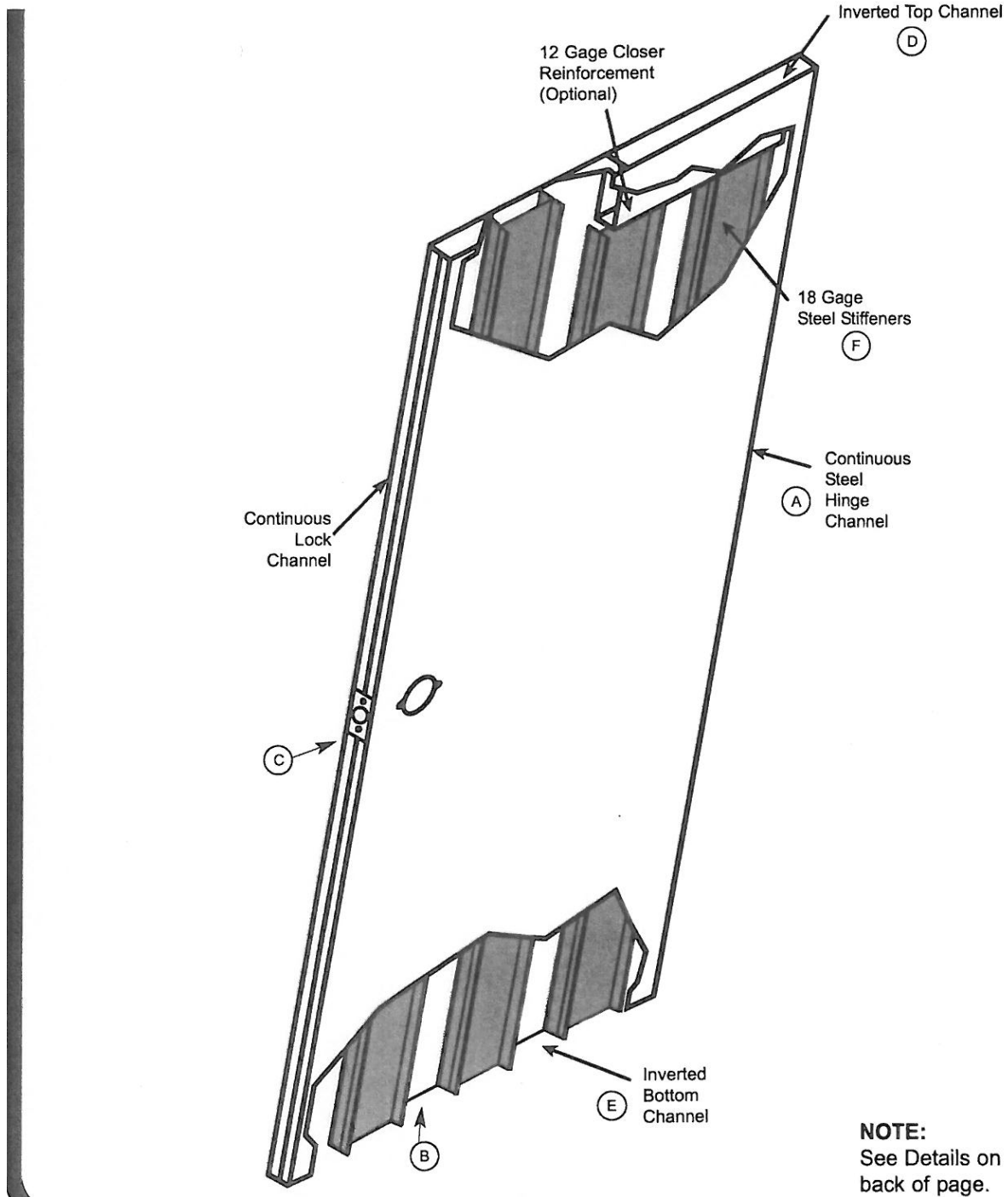


STORMDEFEND

STORM SHELTERS, DOORS & ACCESSORIES

from Protective Structures, LTD.

DE SERIES FEMA 320/361 TORNADO DOOR CONSTRUCTION DETAILS



Protective Structures, Ltd.

Toll Free: 888.521.8666 • Phone: 770.521.8666 • Fax: 770.521.2299

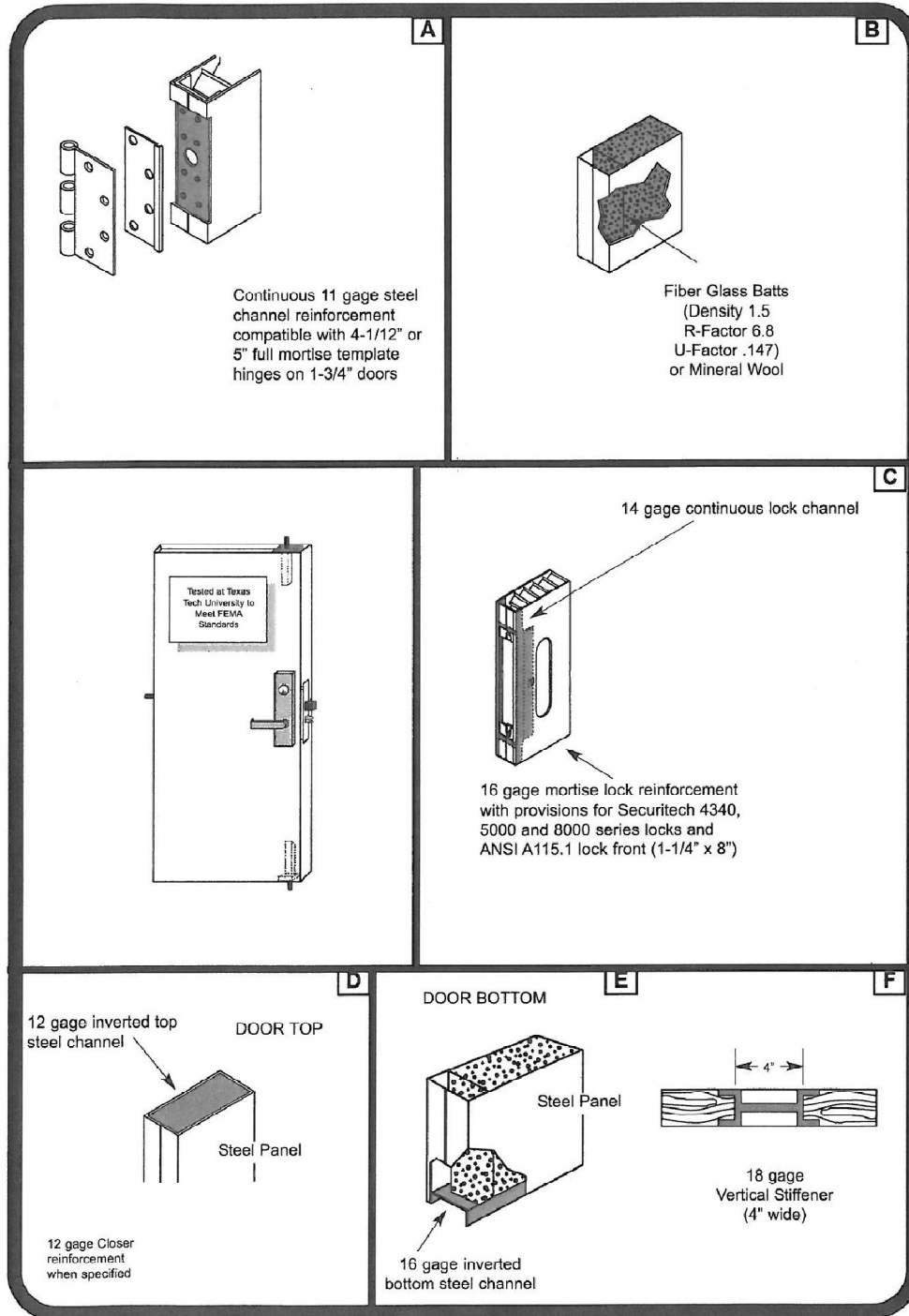
Info@protectivestructures.com • www.protectivestructures.com



STORMDEFEND

STORM SHELTERS, DOORS & ACCESSORIES

from Protective Structures, LTD.



Protective Structures, Ltd.

Toll Free: 888.521.8666 • Phone: 770.521.8666 • Fax: 770.521.2299

Info@protectivestructures.com • www.protectivestructures.com