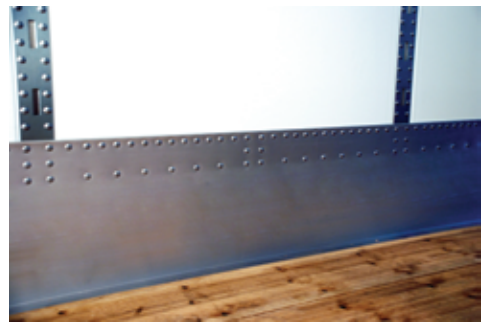




It's in the details

# Tough Plate

Stoughton's high base rail Tough Plate includes 20 1/2" lower rail that extends 15 1/8" above floor to offer superior protection against loading and unloading practices without the need for additional scuff.

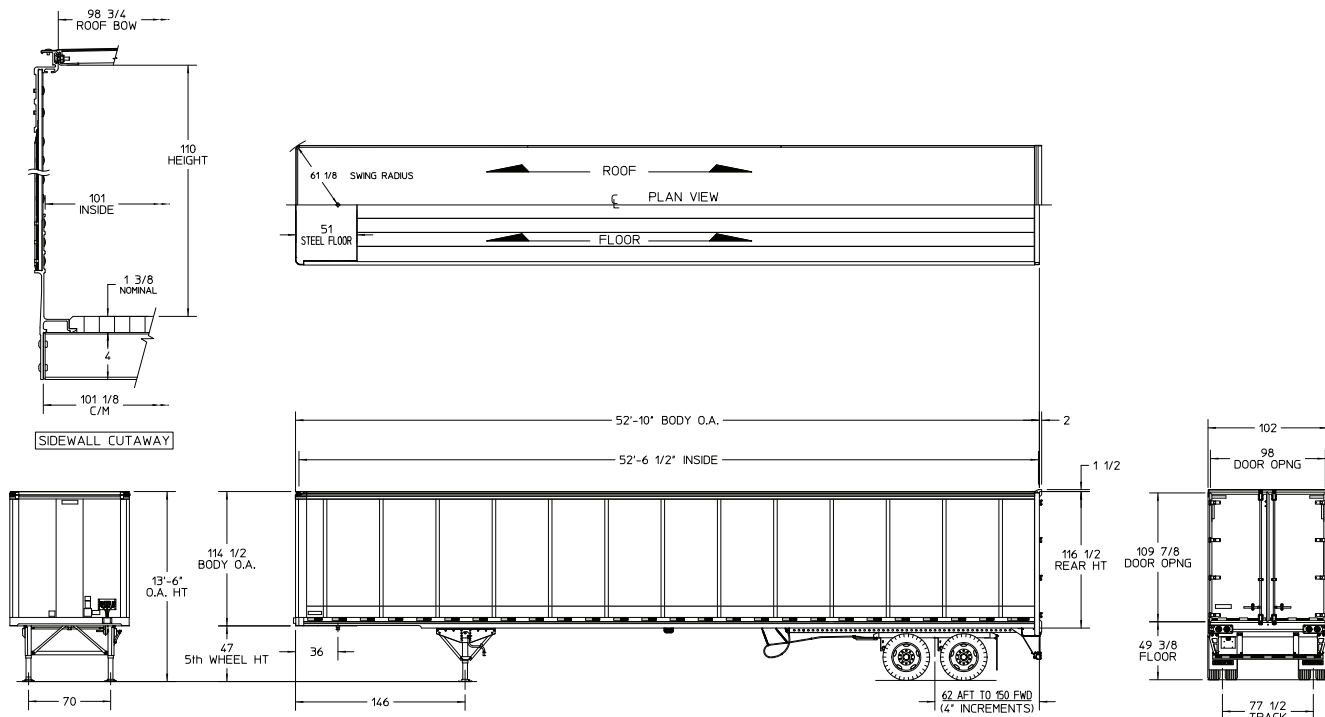


## ***Details designed to keep your fleet on the road***

Isn't the idea of any trucking company to make money from trucking? Stoughton used advanced engineering and rigorous testing to create a Tough Plate model that offers superior durability and lighter weight compared to our standard plate trailer.

If repairs are required, panel design allows easy panel replacement without requiring the removal of adjoining panels common with other plate trailer designs. This means less time in the shop and more time on the road.

# Standard Specifications - Tough Plate



## Assy. No. Description

1	<b>Base Model</b> – ZTPVW-535T-S-C-AR (Tough Plate Van, G-Bond Plate, Hi-Cube, 53ft, No. 5 height, tandem, slider, air-ride.)
2	<b>Length</b> – Refer to drawing
3	<b>Width</b> – Refer to drawing
4	<b>Height</b> – Refer to drawing
5	<b>Capacity</b> – 25,000 lb. beam rating per axle – 27.5 ton payload
6	<b>Suspension</b> – Rigid trailing arm style air suspension, with EZ-align axle alignment and an external dock lock to minimize dock walk.
7	<b>Axle</b> – Tapered spindles, bearings - INNER - HM218248/218210. OUTER - HM212049/212011
8	<b>Brakes</b> – Extended service, quick change, 16 1/2" x 7", non-asbestos, meets requirements of Federal Motor Vehicle Safety Standard No. 121 and filtered air couplers.
9	<b>Hubs</b> – 10 stud hub piloted with cast iron drums, 11 1/4" bolt circle.
10	<b>Oil Seals</b> – Stemco Platinum Plus Performance System with Chevron Delo Grease
11	<b>Wheels</b> – 5 hand hole, steel, powder coated
12	<b>Tires</b> – As requested
13	<b>Landing Gear</b> – Two speed vertical, square tubular legs with 10" x 10" removable cushion foot, crank on roadside.
14	<b>Suspension Sub frame</b> – 4 pin slider-type with hot rolled 80,000 min. yield wide-slide rails for 62" AFT location to 150" FWD location.
15	<b>Landing Gear Sub frame</b> – Wide inside-type mounting, longitudinal mounting channels spanning five cross members with cross, fore and aft diagonal bracing and cross channel braced.
16	<b>King Pin Sub frame</b> – S.A.E. king-pin, cross head type, AAR rated built into structure, 3 1/2" shallow hi-tensile sandwich unitized with full width upper and lower plated and internal reinforcements.
17	<b>Cross Member</b> – 80,000 min. yield, pre-undercoated. Shallow area ahead of landing gear uses (3) hat-shaped heavy duty members. Landing gear, center bay area and area over slider rails use 4" I-Beam, 12" on center.
18	<b>Lower Rail</b> – Extruded aluminum 20 1/2", 6061-T6 high base rail

## Assy. No. Description

19	<b>Floor</b> – 1 3/8" nominal laminated oak from rear sill forward, butted to king-pin sub frame (smooth steel 52" for forward area), fastened with (3) staggered screws per board/per cross member. Rear threshold plate with forward edge beveled into floor.
20	<b>Front Wall</b> – Bevel corner (square inside) .125" corners, six 16 Ga. galvanized steel posts, 2 1/2" deep, with heavy duty lower sill across front and around corners.
21	<b>Side Walls</b> – Pre painted white composite side panels with pre painted white outer splice plates riveted with 1/4" dia. aluminum rivets on 1 1/2" centers to panel and 14 Ga. galvanized steel inner splice plate with 6" on center vertical "A" slots.
22	<b>Upper Rail</b> – Extruded aluminum, 6061-T6
23	<b>Roof</b> – 16 Ga. galvanized bows, 24"/16"/24" on center, hat shape, 1 1/16" deep with 3/4" crown, .040" one piece aluminum sheet-edge hemmed over upper rail and riveted to outside.
24	<b>Rear Frame</b> – 2" x 4" x 3/16" tubular steel corner posts welded rigid to 1 1/4" heavy duty shallow header and 11 3/8" lower sill and threshold member.
25	<b>Rear Doors</b> – 1/2" composite door, dual durometer PVC gaskets, four 2 3/4" wide extruded aluminum hinges and one lock bar per door, loop style door hold backs.
26	<b>Lining</b> – Nose - 1/2" OSB full height Sides - high base rail scuff. Lower rail extends above floor 15 1/8"
27	<b>Electrical</b> – 12-volt system, 7-way socket with stop/tail, direction, license, applicable marker, clearance and conspicuity per DOT/Federal Motor Vehicle Safety Standard No. 108. Combination center marker and turn signal. Return ground on all lights. Trucklite LED lights throughout with Trucklite harnesses for lifetime solution.
28	<b>Bumper</b> – Corner bars, cross-channel and light guards welded rigid to rear sill. Bolt on rear impact guard with bolt on anti-skid horizontal member with 4 vertical posts for added safety. Meets DOT Requirements. Two dock bumpers on rear.
29	<b>Mud Flaps</b> – 24" wide anti-sail.
30	<b>Painting</b> – Under structure undercoated, pre painted white front and side panels and doors. Natural aluminum corner panels. Steel body parts painted white. Paint is a hi-zinc 2-part epoxy primer baked on, with a baked on 2-part urethane top coat.

