

# STOUGHTON<sup>®</sup>

It's in the details

## Z-Plate<sup>®</sup> Van



Stoughton's Z-Plate<sup>®</sup> van features include solid, full width oak floors, and extra wide extruded aluminum scuff rails and the unique recessed splice plate with "A" slots for better cargo control using any standard cargo restraint system



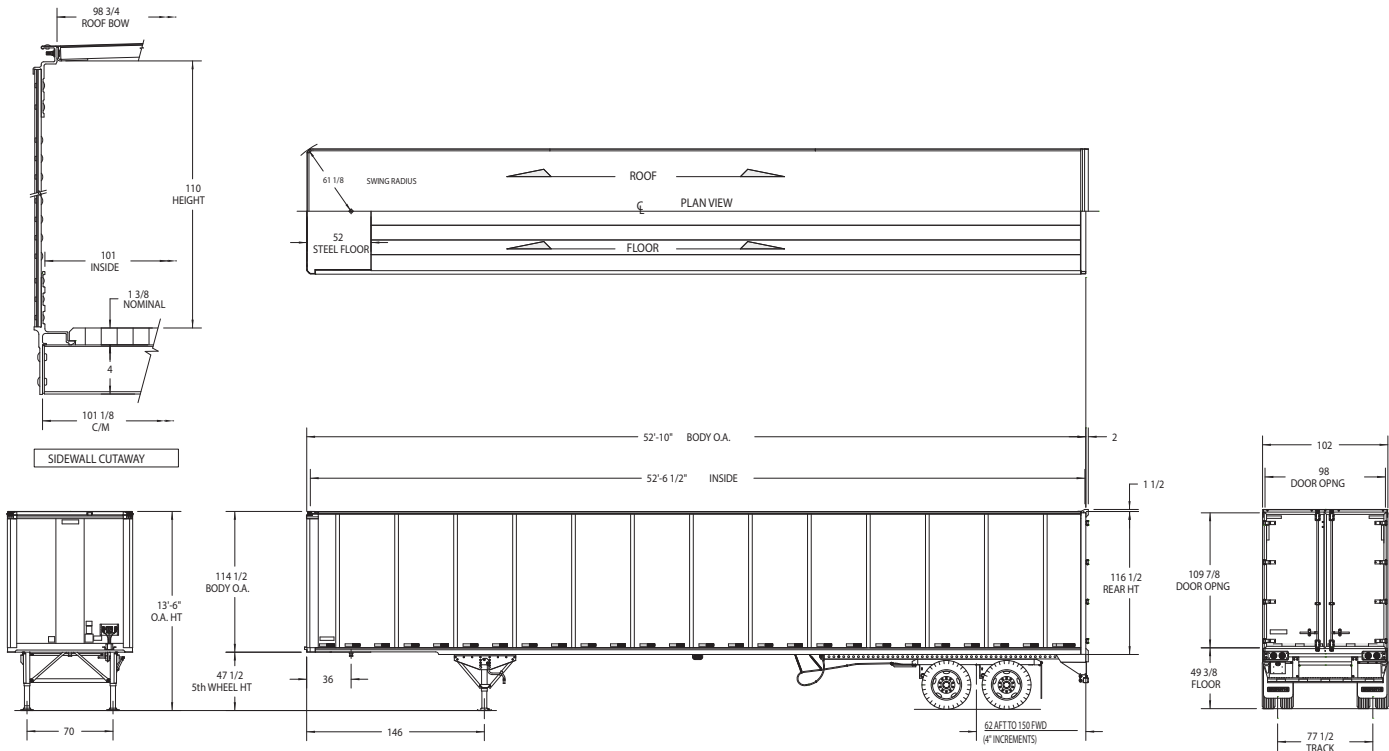
Includes new, safer rear underride guard as standard equipment. No additional cost, no additional weight.

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

Stoughton's revolutionary Z-Plate<sup>®</sup> vans are built from composite laminate panels. These unique, patented poly-laminate panels are manufactured using epoxy coated inner and outer galvanized steel skin for superior durability even in the most demanding applications.

If repairs are required, Stoughton's Z-Plate<sup>®</sup> 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 - Z-Plate® Van



## Assy. No. Description

1	<b>Base Model</b> – ZGPVW-535T-S-C-AR (Z-Plate® Van, G-Bond Plate, Extra Wide, 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 Subframe</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 Subframe</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>Coupler</b> – AAR Certified Coupler, 3 1/2" shallow hi-tensile sandwich unitized with full width upper and lower plated and internal reinforcements. S.A.E. kingpin, cross-head type.
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, 6061-T6

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19	<b>Floor</b> – 1 3/8" nominal laminated oak from rear sill forward, butted to king-pin subframe (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, (6) 2 1/2" x 5" posts with heavy duty lower sill across front and around corners.
21	<b>Side Walls</b> – Prepainted white composite side panels with prepainted 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> – 18 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 Slides - 18 Ga. x 6 1/2" high corrugated galvanized steel scuffs above 4 1/2" integral lower rail scuff
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> – Understructure undercoated prepainted white front panels, side panels and doors. Steel body parts grit-blasted, primed with two part epoxy primer and finished with two part modified acrylic enamel



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