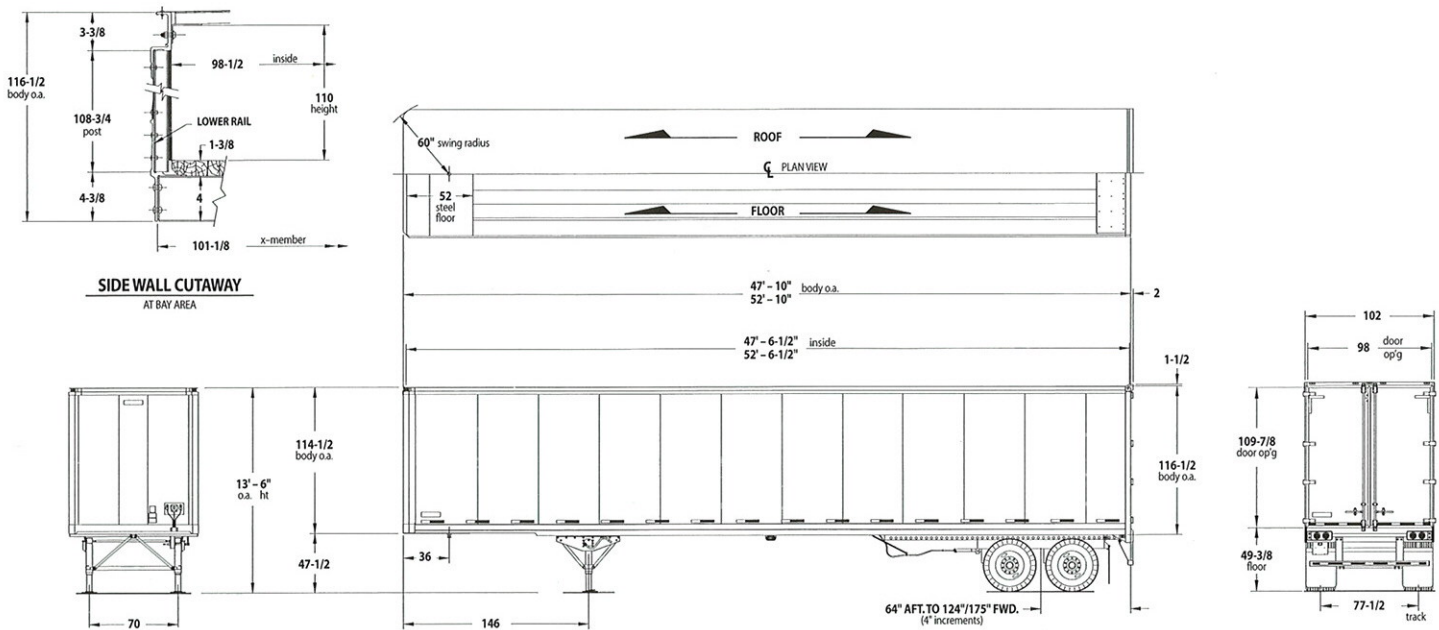


# Standard Specifications – Hi-Cube Aluminum Van



## Assy. No. Description

1	<b>Base Models</b> – AVW-535T-S-C-AR (Aluminum Van, Wide, Hi-Cube, 53 ft., 13'-6" 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> – 20,000 lb. Brake rating per axle – 27.5 ton payload.
6	<b>Suspension</b> – Air ride suspension with external dock lock feature.
7	<b>Axle</b> – 5" tubular beam, 5/8" wall, tapered spindles, bearings – INNER - HM218248/218210, OUTER - HM212049/212011 with Pro-Torq axle nuts.
8	<b>Brakes</b> – Quick change, 16-1/2" x 7", non-asbestos, 2S/1M ABS, automatic slack adjusters, and filtered air couplers, meets requirements of Federal Motor Vehicle Safety Standard No. 121.
9	<b>Hubs</b> – 10 stud hub-piloted with cast iron drums, 11-1/4" bolt circle.
10	<b>Oil Seals</b> – Stemco Guardian HP with vented hub cap and semi-fluid grease.
11	<b>Wheels</b> – As requested.
12	<b>Tires</b> – As requested.
13	<b>Landing Gear</b> – Two-speed vertical, square legs with replaceable 10" cushion foot and roadside crank.
14	<b>Suspension Subframe</b> – 4 pin slider-type with hot rolled 80,000 min. yield slide rails for 67" AFT location to 175" 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>Upper Coupler</b> – S.A.E. king-pin, cross head type, AAR rated built into structure, 3-1/2" shallow hi-tensile sandwich unitized with 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, 6061-T6.
19	<b>Floor</b> – 1-3/8" nominal laminated oak from rear sill forward, butted to king-pin subframe (smooth steel 49" of forward area). Oak fastened with (3) screws per board / per cross member. 24" rear threshold plate with forward edge beveled into floor.

## Assy. No. Description

20	<b>Front Wall</b> – Pre-painted .060" aluminum beveled corners, pre-painted .050" aluminum front panels, (6) 16 Ga. steel hat-shaped posts x 2-1/2" deep, equally spaced with heavy duty lower sill across front and bevel corners.
21	<b>Side Walls</b> – Galvanized steel posts, 24" on center (16" on center landing gear forward) hat-shaped, 1-3/8" deep x 5" wide with double rivet row 2" and 4" alternate centers vertically through .050" aluminum pre-painted panels.
22	<b>Upper Rail</b> – Extruded aluminum, 6061-T6.
23	<b>Roof</b> – .040" one-piece aluminum sheet pre-tensioned against galvanized steel bows 24" on center, crowned and fastened to top rail with galvanized bolts, stainless steel washers and lock nuts.
24	<b>Rear Frame</b> – 2" X 4" x 3/16" tubular steel corner posts welded rigid with 1-1/4" heavy-duty shallow header and 11-3/8" lower sill and threshold member.
25	<b>Rear Doors</b> – 3/4" metal clad plywood, dual durometer PVC gaskets, (4) 2-3/4" wide extruded aluminum hinges and (1) lock bar per door, loop style door hold backs.
26	<b>Lining</b> – Exterior grade plywood. FRONT and SIDES: 1/4" x 96" high. Installed horizontally.
27	<b>Electrical</b> – 12 volt system, 7-way socket with stop/tail/directional, license, applicable marker, clearance and conspicuity per DOT/FMV Safety Std. No. 108. Combination center marker/turn signal. "LED" five light rear header. Return ground on all lights except upper front markers.
28	<b>Bumper</b> – Corner bars, cross-channel and light guards welded rigid to rear sill. Bolt-on rear impact guard with anti-skid horizontal member. Meets DOT requirements. (2) rubber dock bumpers on rear.
29	<b>Mud Flaps</b> – 24" wide anti-sail.
30	<b>Painting</b> – Underside undercoated, pre-painted 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.

Specifications are subject to change without notice.



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