REAR SEAT SPACING MEASUREMENTS

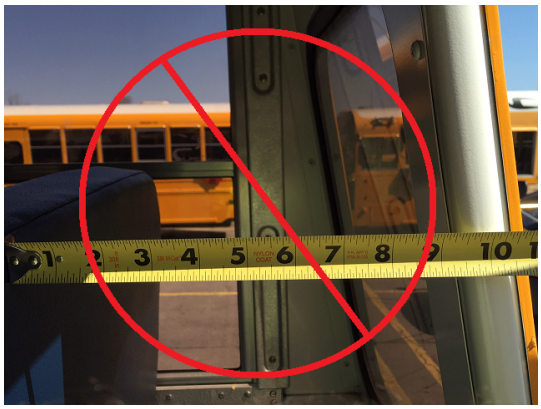

FIGURE #1

FIGURE #2

EVERY UNIT BUILT HAS A NYSDOT BODY APPROVAL NUMBER WHICH IN TURN HAS A CERTIFIED DRAWING

Distance between the rear of the rear seat and the back of the bus is important to meet FMVSS 217. Measuring that distance from the Blue Bird drawings can be deceiving and you need to understand where the measurement is meant to be taken from. When looking at the drawings it almost appears that the measurements should be taken as in FIGURE #1 but that is incorrect.

The Blue Bird body is designed with the upper portion of rear structure “slanted forward” and the slant is NOT taken into consideration when measuring.

If you look at FIGURE #3 it shows a clip from a drawing on the rear of a unit and circled in green is the measurement between the rear of the last seat and the outside of the body. Figure #4 shows the space required to be clear per the FMVSS 217 regulation.

To properly measure that distance you must use the set up shown in FIGURE #2 where a plumb-bob is dropped from the rear most surface of the seat back and a tape measure is used to measure the distance from the rear outside to where the plumb-bob hits the floor. See Figures #5 - #8 on how to set up for correct measurement.

PLEASE NOTE: The unit must be level when taking this measurement and you may need to place a level on the floor in the center of the unit and jack up the low end to level the unit so that the correct measurement is obtained.

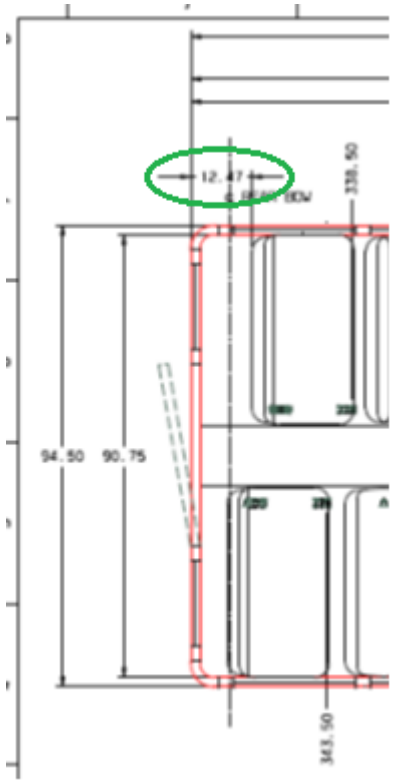

FIGURE #3

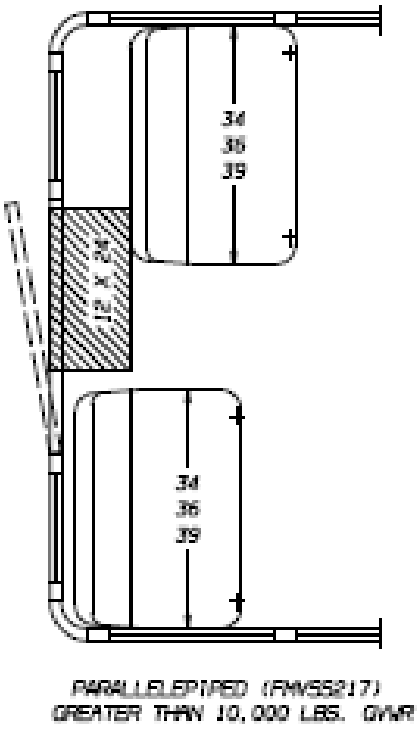

FIGURE #4

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FIGURE #5

FIGURE #6

FIGURE #7

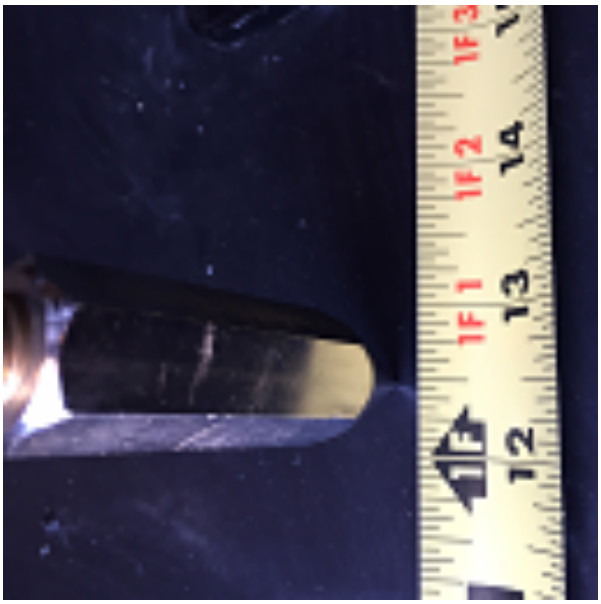

FIGURE #8

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Below is a photo of the “parallelepiped” which is required to fit in the 12” X 24” space and is 45” high. Please note the regulation assumes the door to be open. The regulation wording is below as well.

FMVSS 217

(1) In the case of a rear emergency exit door, an opening large enough to permit unobstructed passage into the bus of a rectangular parallelepiped 1,145 millimeters (45 inches) high, 610 millimeters (24 inches) wide, and 305 millimeters (12 inches) deep, keeping the 1,145 millimeter (45 inch) dimension vertical, the 610 (24 inch) millimeter dimension parallel to the opening, and the lower surface in contact with the floor of the bus at all times, until the bottom edge of the rearmost surface of the parallelepiped is tangent to the plane of the door opening

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