Claims

1. A tail door assembly for a container or a vehicle, comprising:

a left door rotatable about a left vertical axis by more than 90 degrees between an open position and a closed position;

a right door rotatable about a right vertical axis by more than 90 degrees between an open position and a closed position; and

a ~~first~~ set of actuators ~~having a left actuator~~ coupled to the left door and ~~a right actuator coupled to~~ the right door~~;~~ and positioned between the left and right vertical axes, the set of actuators operable for rotating the left and right doors about the left and right vertical axes, respectively,

wherein when the left and right doors are in their closed positions, the ~~first~~ set of actuators is operable for rotating the left and right doors synchronously about a horizontal axis between a vertical position and a horizontal position; and

wherein when the left and right doors are in the horizontal position, the set of actuators is further operable for adjusting a height of the left and right doors while the left and right doors are maintained in the horizontal position.

2. The tail door assembly according to claim 1, wherein the ~~first~~ set of actuators ~~is further~~comprises a first pair of actuators operable for ~~adjusting a height of the left and right doors while the left and right doors are maintained in the horizontal position~~ rotating the left and right doors synchronously about the horizontal axis between the vertical position and the horizontal position.

3. The tail door assembly according to claim ~~1~~2, ~~further comprising~~wherein the set of actuators comprises a second ~~set~~ pair of actuators operable for adjusting ~~a~~ the height of the left and right doors while the left and right doors are maintained in the horizontal position.

4. The tail door assembly according to claim ~~1~~3, wherein ~~each of the rotation of the left door about the left vertical axis and the rotation of the right door about the right vertical axis is between 0 and 270 degrees~~a height of the horizontal axis is adjustable by the set of actuators to adjust the height of the left and right doors.

5. The tail door assembly according to claim 1, wherein the left and right doors are lockable for preventing rotation about the horizontal axis.

6. The tail door assembly according to claims 1 or ~~4~~5, wherein the left door is lockable for preventing rotation about the left vertical axis, and the right door is lockable for preventing rotation about the right vertical axis.

7. The tail door assembly according to claim 1, wherein tail door assembly is configured for use with a container structure.

8. The tail door assembly according to claim 7, wherein a weather seal is formable between the tail door assembly and the container structure.

9. The tail door assembly according to claim 1, further comprising a frame structure around the left and right doors.

10. The tail door assembly according to claim 9, wherein the frame structure comprises:

a left hinge corresponding to the left vertical axis; and

a right hinge corresponding to the right vertical axis.

11. The tail door assembly according to claims 9 or 10, wherein the frame structure is rotatable with the left and right doors about the horizontal axis between the vertical position and the horizontal position.

12. The tail door assembly according to any preceding claim, wherein the tail door assembly is coupled to a chassis of the truck.