

Hay Bale Policy

1.0 General

1.1 Regulations

The Public Vehicle Dimension and Weight Regulation allows a vehicle to transport bales of hay or straw within a 50 km. radius of the load's place of origin to the following dimensions:

- width up to 4.0 metres
- height up to 5.0 metres
- empty vehicle up to 2.8 metres wide. Deck extensions and outriggers must be retracted or folded in to this dimension.


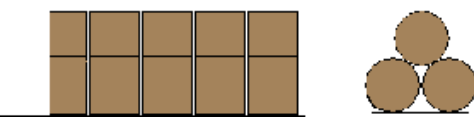

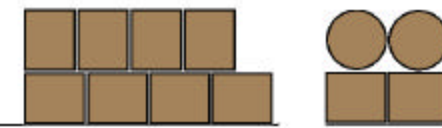

There is no provision for overweight axles when transporting hay or straw bales.

When a vehicle transports bales beyond the 50 km. radius, an over-dimension permit must be obtained.

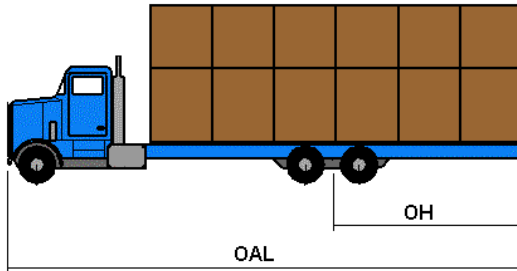
1.2 Loading

- No more than one third of any bale can extend beyond the edge of the trailer deck or hayrack.
- For any truck or trailer, the number of bales loaded on an upper layer shall not exceed the number of bales loaded on the lower layer.

1.3 Loading Styles for Round Bales

Crosswise	
Pipe style	
Mushroom Style 1 (lower layer stands on end)	
Mushroom Style 2 (lower layer stands on end)	
Barrel Style (both layers stand on end)	

2.0 Straight trucks



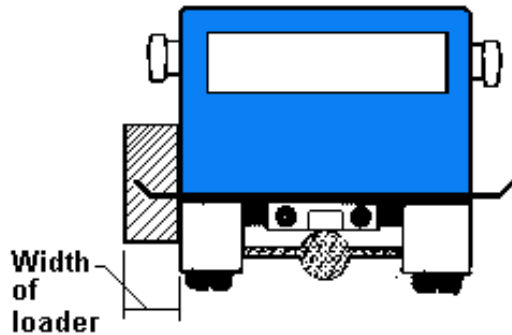
2.1 This permit allows dimensions as indicated for:

- (a) Width (out to out of load)up to 3.85 metres (12.5 feet)
- (b) Height (ground to top of load)up to 4.80 metres plus a loading tolerance of 0.2 metres to 5.00 metres (16.4 feet)
- (c) Length:
 - Effective rear overhang 'OH'up to 5.0 metres (16.4 feet)
 - Overall length 'OAL'up to 14.0 metres (46.0 feet)
- (d) Empty vehicle for width:
 - In general, the hay rack of the empty vehicle up to 3.05 metres (10 feet) wide. Deck extensions and outriggers must be retracted or folded to be within this dimension. All other dimensions for the empty vehicle must be legal.
 - For vehicles hauling round bales pipe style, the hay rack of the empty vehicle up to 3.5 metres (11.5 feet) wide. All other dimensions for the empty vehicle must be legal.

2.2 Definitions:

- (a) Effective rear overhang 'OH' is the longitudinal distance from the center of the drive axle group to the rearmost point of the truck or the load, whichever is the greater distance.
- (b) Overall length 'OAL' is the longitudinal distance from the front of the truck to the rearmost point of the truck or load, whichever is the greater distance.

3.0 Self Loading Bale Trucks



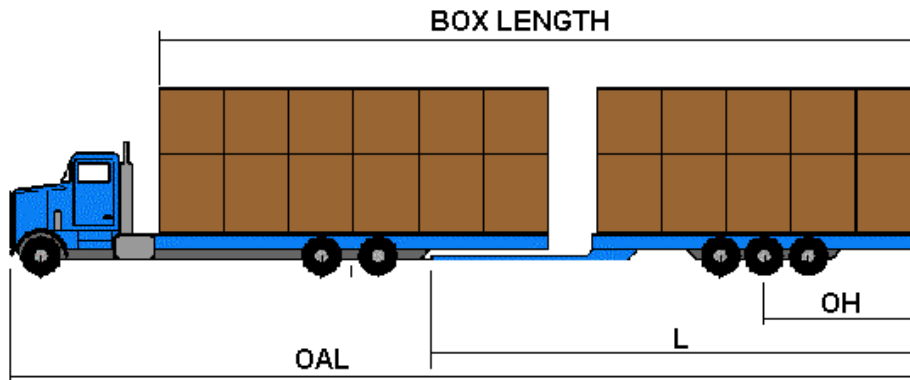
3.1 This permit allows dimensions as indicated for:

- (a) The loading arm and mechanism up to 0.65 metres beyond the outside edge of the truck, excluding deck extensions.
- (b) Width (out to out of load)up to 3.85 metres (12.5 feet)
- (c) Height (ground to top of load)up to 4.80 metres plus a loading tolerance of 0.2 metres to 5.00 metres (16.4 ft)
- (d) Length:
Effective rear overhang 'OH'up to 5.0 metres (16.4 feet)
Overall length 'OAL'up to 14.0 metres (46.0 feet)
- (e) Empty vehicle for width:
 - In general, the hay rack of the empty vehicle up to 3.05 metres (10 feet) wide. Deck extensions and outriggers must be retracted or folded to be within this dimension. All other dimensions for the empty vehicle must be legal.
 - For vehicles hauling round bales pipe style, the hay rack of the empty vehicle up to 3.5 metres (11.5 feet) wide.

3.2 Conditions

- (a) The loading arm must be fixed by a primary and secondary means of security when travelling on public roadways.
- (b) When transporting a load, the loading arm must not project beyond the outside edge of the load.
- (c) The loading mechanism must rest perpendicular to the road surface when the unit is empty. No portion of the loading mechanism should be angled in any way to interfere with oncoming traffic.
- (d) The extremities of the unit, when loaded or unloaded, must have flags by day and warning lights by night indicating the overall width of the unit.

4.0 Straight truck and pony trailer



4.1 This permit allows dimensions as indicated for:

- (a) Width (out to out of load)up to 3.85 metres (12.5 feet)
- (b) Height (ground to top of load)up to 4.80 metres plus a loading tolerance of 0.2 metres to 5.00 metres (16.4 ft)
- (c) Truck dimensions as per condition 2 on page 2.
- (d) Self loading arm as per condition 3 on page 3.
- (e) Overall length 'OAL'up to 25.0 metres (82.0 feet)
- (f) Empty vehicle for width:
 - In general, the hay rack of the empty vehicle up to 3.05 metres (10 feet) wide. Deck extensions and outriggers must be retracted or folded to be within this dimension
 - For vehicles hauling round bales pipe style, the hay rack of the empty vehicle up to 3.5 metres (11.5 feet) wide.

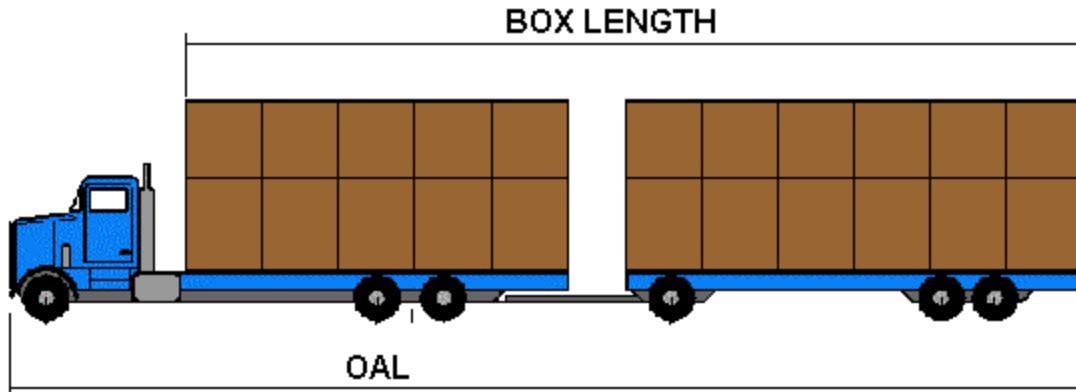
4.2 The following legal dimensions shall not be exceeded:

- (a) Trailer effective rear overhang 'OH' .. 4.0 metres
- (b) Trailer length 'L'12.5 metres
- (c) Box length 20.0 metres
- (d) Hitch offset on truck 1.8 metres

4.3 Definitions:

- (a) Box length is the longitudinal distance from the front of the load on the truck to the rearmost point of the trailer or load, whichever is the greater distance.
- (b) Overall length 'OAL' is the longitudinal distance from the front of the truck to the rearmost point of the trailer or load, whichever is the greater distance.
- (c) Trailer effective rear overhang 'OH' is the longitudinal distance from the center of the trailer axle group to the rearmost point of the trailer or the load, whichever is the greater distance.

5.0 Straight truck and full trailer



5.1 This permit allows dimensions as indicated for:

- (a) Width (out to out of load) up to 3.85 metres (12.5 feet)
- (b) Height (ground to top of load) up to 4.80 metres plus a loading tolerance of 0.2 metres to 5.00 metres (16.4 ft)
- (c) Truck dimensions as per condition 2 on page 2.
- (d) Self loading arm as per condition 3 on page 3.
- (e) Empty vehicle for width:
 - In general, the hay rack of the empty vehicle up to 3.05 metres (10 feet) wide. Deck extensions and outriggers must be retracted or folded to be within this dimension
 - For vehicles hauling round bales pipe style, the hay rack of the empty vehicle up to 3.5 metres (11.5 feet) wide.

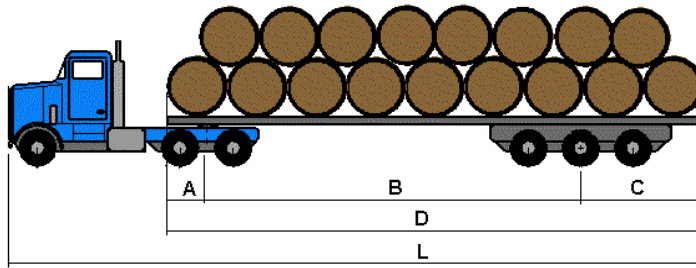
4.2 The following legal dimensions shall not be exceeded:

- (a) Trailer effective rear overhang 4.0 metres
- (b) Overall length 'OAL' 23.0 metres
- (c) Box length 20.0 metres
- (d) Trailer length 12.5 metres
- (e) Hitch offset on truck 1.8 metres

4.3 Definitions:

- (a) Box length is the longitudinal distance from the front of the load on the truck to the rearmost point of the trailer or load, whichever is the greater distance.
- (b) Overall length 'OAL' is the longitudinal distance from the front of the truck to the rearmost point of the trailer or load, whichever is the greater distance.
- (c) Trailer effective rear overhang 'OH' is the longitudinal distance from the center of the trailer axle group to the rearmost point of the trailer or the load, whichever is the greater distance.

6.0 Round bales loaded on a tractor semi-trailer



6.1 This permit allows dimensions as indicated for:

- (a) Width (out to out of load)up to 3.85 metres (12.5 feet)
- (b) Height (ground to top of load)up to 4.80 metres plus a loading tolerance of 0.2 metres to 5.00 metres (16.4 ft)
- (c) Length:
 - Front overhang 'A'up to 1.5 metres (5.0 feet) longitudinal distance
 - Trailer wheelbase 'B'up to 12.5 metres (41 feet)
 - Effective rear overhang 'C'up to 35% of trailer wheelbase
 - Box length 'D'up to 16.2 metres (53 feet)
 - Overall length 'L'up to 23 metres (75.5 feet)
- (d) The hay rack of the empty vehicle up to 3.05 metres (10 feet) wide. Deck extensions and outriggers must be retracted or folded to be within this dimension.
- (e) For loading styles, see section 1 on page 1.

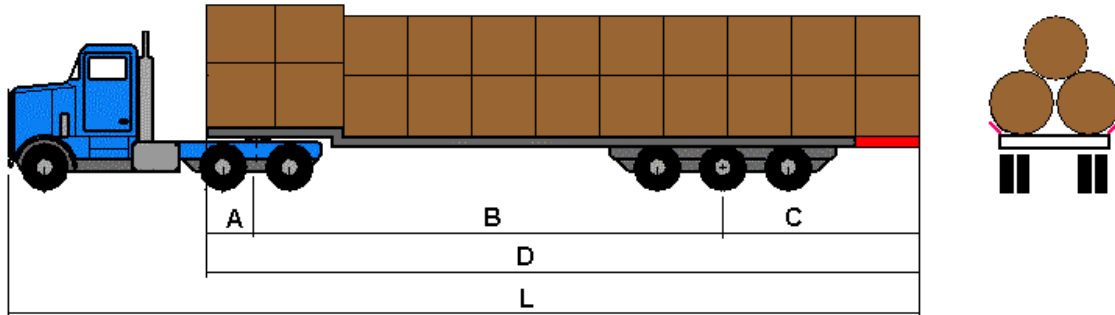
6.2 Specialized equipment (conforming to the requirements of section 11 on page 11):

- (a) Specialized tractor-semi-trailer combinations equipped with load safety devices as per condition 11.0 are allowed the dimension limits indicated in 6.1, in addition to an increase in the box length up to 18.4 metres (60 feet) and the overall length up to 25 metres (82.0 feet). To qualify for the additional length, the rack must be equipped with:
 - Front and rear bulkheads
 - Center bulkheads
 - Longitudinal edge rails
- (b) The trailer must meet legal dimensions, but the rack mounted on the trailer may be built to the permitted dimensions. The three internal dimensions of the rack for length (front overhang, trailer wheelbase, and effective rear overhang) cannot be exceeded. To achieve maximum length the location of the trailer axles is critical.

6.3 Definitions:

- (a) Front overhang 'A' is the radius from center of the kingpin to the front of the load or trailer, whichever is further forward.
- (b) Trailer wheelbase 'B' is the longitudinal distance from the center of the kingpin to the center of the axle group.
- (c) Effective rear overhang 'C' is the longitudinal distance from the center of the axle group to the rearmost point of the trailer or the load, whichever is the greater distance.
- (d) Box length 'D' is the longitudinal distance from the front of the trailer or load, whichever is further forward to the rearmost point of the trailer or load, whichever is the greater distance.

7.0 Round bales loaded pipe-style on a tractor semi-trailer.



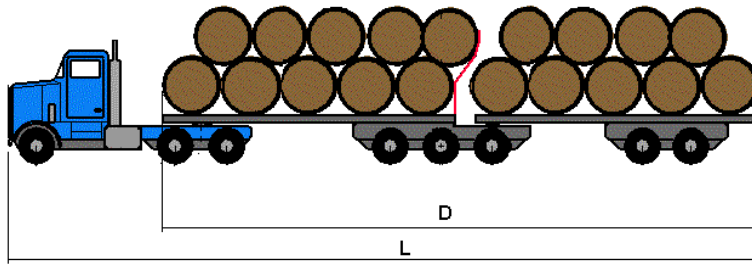
7.1 This permit allows dimensions as indicated for:

- (a) Width (out to out of load)up to 3.85 metres (12.5 feet)
- (b) Height (ground to top of load)up to 4.80 metres plus a loading tolerance of 0.2 metres up to 5.00 metres (16.4 ft)
- (c) Length:
 - Front overhang 'A'up to 1.5 metres (5.0 feet) longitudinal distance
 - Trailer wheelbase 'B'up to 12.5 metres (41 feet)
 - Effective rear overhang 'C'up to 35% of trailer wheelbase
 - Box length 'D' up to 18.4 metres (60 feet)
 - Overall length 'L' up to 25 metres (82 feet)
- (d) The hay rack of the empty vehicle up to 3.5 metres (11.5 feet) wide
- (e) The trailer must meet legal dimensions, but the rack mounted on the trailer may be built to the permitted dimensions.

7.2 Definitions:

- (a) Front overhang 'A' is the radius from center of the kingpin to the front of the load or trailer, whichever is further forward.
- (b) Trailer wheelbase 'B' is the longitudinal distance from the center of the kingpin to the center of the axle group.
- (c) Effective rear overhang 'C' is the longitudinal distance from the center of the axle group to the rearmost point of the trailer or the load, whichever is the greater distance.
- (d) Box length 'D' is the longitudinal distance from the front of the trailer or load, whichever is further forward to the rearmost point of the trailer or load, whichever is the greater distance.

8.0 Round bales loaded crosswise on A, B, and C-trains



8.1 This permit allows dimensions as indicated for:

- (a) Width (out to out of load)up to 3.85 metres (12.5 feet)
- (b) Height (ground to top of load)up to 4.80 metres plus a loading tolerance of 0.2 metres to 5.00 metres (16.4 ft)
- (c) Length:
 - Front overhang 'A'up to 1.5 metres (5.0 feet) longitudinal distance
 - Trailer wheelbase 'B'legal
 - Effective rear overhang 'C'up to 35% of trailer wheelbase
 - Box length 'D'up to 20.0 metres (65.5 feet)
 - Overall length 'L'up to 25 metres (82.0 feet)
- (d) The hay rack of the empty vehicle up to 3.05 metres (10 feet) wide. Deck extensions and outriggers must be retracted or folded to be within this dimension
- (e) The trailers must meet legal dimensions, but the racks mounted on the trailers may be built to the permitted dimensions.
- (f) For loading styles, see section 1 on page 1.

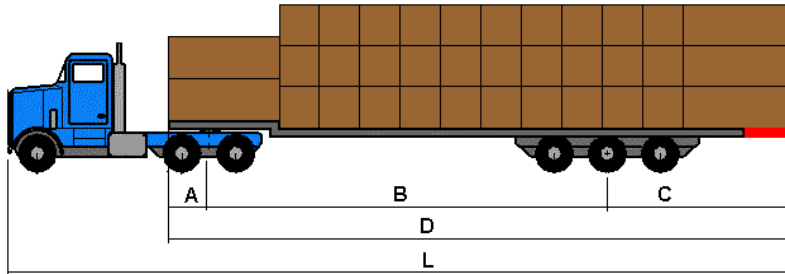
8.2 Specialized B-trains (conforming to the requirements of section 11 on page 11):

- (a) Specialized B-train combinations equipped with load safety devices as per condition 11.0 are allowed the dimension limits indicated in 8.1, in addition to a box length of up to 22.0 metres (72 feet). To qualify for this exemption, the trailers must be equipped with:
 - front and rear bulkheads
 - center bulkheads
 - longitudinal edge rails
- (b) Note: This box length extension does not apply to A-trains or C-trains.

8.3 Definitions:

- (a) Front overhang is the radius from center of the kingpin to the front of the load or trailer, whichever is further forward.
- (b) Trailer wheelbase is the longitudinal distance from the center of the kingpin to the center of the axle group.
- (c) Effective rear overhang is the longitudinal distance from the center of the axle group to the rearmost point of the trailer or the load, whichever is the greater distance.
- (d) Box length 'D' is the longitudinal distance from the front of the lead trailer or load, whichever is further forward to the rearmost point of the rear trailer or load, whichever is the greater distance.

9.0 Rectangular bales on tractor semi-trailer



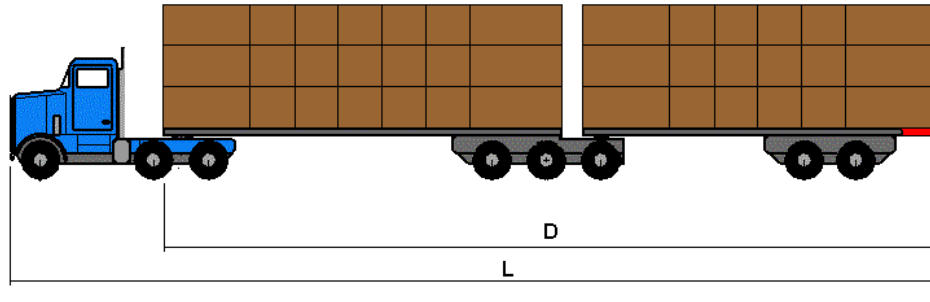
9.1 This permit allows dimensions as indicated for:

- (a) Width (out to out of load)up to 3.85 metres (12.5 feet)
- (b) Height (ground to top of load)up to 4.80 metres plus a loading tolerance of 0.2 metres to 5.00 metres (16.4 ft)
- (c) Length:
 - Front overhang 'A' up to 1.5 metres (5.0 feet) longitudinal distance
 - Trailer wheelbase 'B'up to 12.5 metres (41 feet)
 - Effective rear overhang 'C'up to 35% of trailer wheelbase
 - Box length 'D' up to 18.4 metres (60 feet)
 - Overall length 'L' up to 25 metres (82 feet)
- (d) The hay rack of the empty vehicle up to 3.05 metres (10 feet) wide. Deck extensions and outriggers must be retracted or folded to be within this dimension. All other dimensions for the empty vehicle must be legal.
- (e) The trailer must meet legal dimensions, but the rack mounted on the trailer may be built to the permitted dimensions. The three internal dimensions of the rack for length (front overhang, trailer wheelbase, and Effective rear overhang) cannot be exceeded. To achieve maximum length the location of the trailer axles is critical.
- (f) Longitudinal bulkheads and edge rails are not mandatory for rectangular bales.

9.2 Definitions:

- (a) Front overhang 'A' is the radius from center of the kingpin to the front of the load or trailer, whichever is further forward.
- (b) Trailer wheelbase 'B' is the longitudinal distance from the center of the kingpin to the center of the axle group.
- (c) Effective rear overhang 'C' is the longitudinal distance from the center of the axle group to the rearmost point of the trailer or the load, whichever is the greater distance.
- (d) Box length 'D' is the longitudinal distance from the front of the trailer or load, whichever is further forward to the rearmost point of the trailer or load, whichever is the greater distance.

10.0 Rectangular bales on A, B, and C-trains



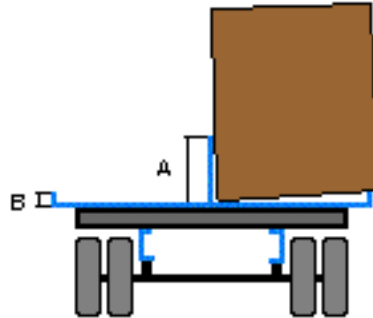
10.1 This permit allows dimensions as indicated for:

- (a) Width (out to out of load)..... up to 3.85 metres (12.5 feet)
- (b) Height (ground to top of load)up to 4.80 metres plus a loading tolerance of 0.2 metres to 5.00 metres (16.4 ft)
- (c) Length:
 - Front overhangup to 1.5 metres (5.0 feet) longitudinal distance
 - Trailer wheelbaselegal
 - Effective rear overhangup to 35% of trailer wheelbase
 - Box length 'D'up to 22.0 metres (72 feet) for B-trains only
.....up to 20.0 metres (65.5 feet) for A and C-trains
 - Overall length 'L'up to 25 metres (82 feet)
- (d) The hay rack of the empty vehicle up to 3.05 metres (10 feet) wide. Deck extensions and outriggers must be retracted or folded to be within this dimension. All other dimensions for the empty vehicle must be legal.
- (e) The trailers must meet legal dimensions, but the racks mounted on the trailers may be built to the permitted dimensions.
- (f) Individual bales must be supported by one trailer only, and cannot span between two trailers.
- (g) Longitudinal bulkheads and edge rails are not mandatory for rectangular bales.

10.2 Definitions:

- (a) Front overhang is the radius from center of the kingpin to the front of the load or trailer, whichever is further forward.
- (b) Trailer wheelbase is the longitudinal distance from the center of the kingpin to the center of the axle group.
- (c) Effective rear overhang is the longitudinal distance from the center of the axle group to the rearmost point of the trailer or the load, whichever is the greater distance.
- (d) Box length 'D' is the longitudinal distance from the front of the trailer or load, whichever is further forward to the rearmost point of the trailer or load, whichever is the greater distance.

11.0 Center Bulkhead, Edge Rails, and Front and Rear Bulkheads



11.1 Center Bulkhead:

- Consists of a horizontal rail running the length of the trailer and supported at intervals by vertical supports.
- The bulkhead must be at least 0.6 metres (2 feet) above the deck of the trailer. For optimum benefit, it should extend into the upper layer of bales.
- It must be made from a minimum of 50 mm (2 inch) round or square metal tubing.
- When the bales are loaded, the bales on the lower level must make contact with the bulkhead.

11.2 Edge Rails:

- Must be located as close to the edge of the deck or rack as possible.
- The top of the rail must be at least 0.1 metres (4 inches) above the top of the deck or rack.
- The rail must be of sufficient strength to support the bales.



11.3 Front & Rear Bulkheads:

- Bulkheads supporting only the lower layer of round bales must extend at least 0.6 metres (2 feet) above the deck.
- Bulkheads supporting both the lower and upper layers of round bales must extend at least 2.4 metres (8 feet) above the deck. **Note that a double high bulkhead may be used at only one end of a trailer as the number of bales on the upper layer cannot be greater than the number on the lower layer.**

11.4 Fabrication:

- All bulkheads, edge rails, and extensions are to be designed to support the load, and are to be built by a journeyman welder at a qualified fabrication shop using acceptable trade practice.