Diagonal Lying Problem Decision Tree
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What is the stall layout?

Head to Head

Is the stall platform at least 17 feet long?

No

Social Obstruction: Cows lying in the adjacent stall in front will force the cow opposite to lie diagonally across the stall and side lunge

Yes

Is there a “bob zone” obstruction?

Yes

Mount stall dividers on vertical posts or other type of vertical mounting and remove obstruction

No

Is there a “bob zone” obstruction?

Yes

Is the neck rail located too close to the rear curb?

Yes

Is the neck rail located too close to the rear curb?

No

Move the neck rail forward in mattress stalls to 68-70” (for first lactation heifers) and 70-72” (for mature cows) from the rear curb along the horizontal (in sand stalls, the width of the rear curb must be subtracted from this measurement)

No

Some cows will lie diagonally across the stall when given the opportunity to side lunge!

Cows must side lunge to rise in the stall and many will lie diagonally - unless the stall platform is extended or the side wall modified. Make sure that the upper edge of the lower divider rail is no higher than 11 inches above the stall surface.

Yes

Are stalls at least 9 feet long to allow front lunging?

No

Yes

Allow the front limb to be thrust forward during the rising movement by lowering the height of the brisket locator and removing the concrete obstruction

No

Is the brisket locator less than 4 inches high above the stall surface, with no concrete fill behind it?

Yes

Is the brisket locator less than 4 inches high above the stall surface, with no concrete fill behind it?

No

Yes

against a side wall

Are stalls at least 9 feet long to allow front lunging?

No