## Flowchart for Evaluating Freestalls 2008 Drs. Ken Nordlund and Nigel Cook, School of Veterinary Medicine, University of Wisconsin-Madison **Body Resting** "Bob" Space **Surface Cushion** Lunge Space Rising Room Space Stall Dimension (inches) **Body Weight Estimate (Ibs)** 1000 1200 1400 1600 1800 96 96 108 Total stall length facing a wall 120 120 Does surface Distance from rear curb to brisket locator 64 66 68 70 72 pass the "knee" Stall width (on center) 44 46 48 50 54 Yes-Height of brisket locator above stall surface 3 4 test and supply 10 12 Upper edge of lower divider rail above stall surface 10 11/ traction? Height below neck rail 44 46 48 50 52 Distance from rear edge of neck rail to rear curb 64 66 72 68 70 Is there Rear curb height 8 adequate space Yes for resting body? Can cow successfully Yes-"lunge" to front? **Brisket locator** no higher than 4 inches above surface to allow No forward thrust of No more than fore-limb 12 inches above stall surface for No adult Holstein Can cow cow lunge over the Yeslower divider No rail? O No Not less than 38 inches for adult Holstein No impediment to cow in Michigan, head movement in Can cow dividers the "bob zone" lunge below the between 4 and 38 Yes-🔻 inches above the Recommend deep lower divider resting surface. bedded sand stalls, or rail? adding cushion to Can cow O exisiting mattress Move or modify brisket "bob" her muzzle Yeslocator at end of O or rebuild stall to No lunge? provide adequate Open the front of stall space Can cow rise for forward lunge without hitting or replace divider to neckrail? No allow side lunge into

adjacent stall

Remove intruding object (hang dividers from vertical posts,

remove bars, etc)

No

Reposition neck rail to recommended height and distance from curb