

Appendix 2. Barn construction details measured in suckler cow barns ( $n = 39$ ) and dairy dam-calf contact barns ( $n = 6$ )

Topic	Details measured
Lying area	Type (cubicles, bedded pack area)
	Size of whole area (if bedded pack area)
	Number of lying cubicles
	Size of lying cubicles
	Installation and height of neck rail, band, chain
	Installation and height of front rail, band, chain
	Bedding material
	Aisle width behind lying area
	Floor type (e.g. concrete, rubber mats, slatted floor)
	Feeding area
Total length of feeding axis	
Number of feeding places	
Feeding place width (gauge)	
Space between feeding places (risk for calves)	
Height of feeding place	
Aisle width behind feeding area	
Floor type (e.g. concrete, rubber mats, slatted floor)	
Calf creep area	Definition (separate, in front of cubicles, combination, other)
	Position in barn
	Height and width of entrance
	Bedding material
Activity area	Size of outdoor yard
	Position of the outdoor yard in barn
	Floor type (e.g. concrete, rubber mats, slatted floor)
Drinking system (cows and calves)	Number of drinker troughs
	Height of drinker troughs
	Trough type
Calving pen	Number, position and size of calving pens