

Tie Stall Evaluation Sheet

Farm name: _____ Date: _____
 Contact: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: _____ Fax: _____ E-mail: _____
 Evaluator: _____ Time: _____

Herd Information:
 No. cows: _____ Breed: Hol Jer Guer Ayr Other: _____ Ave. wt: _____
 Tails docked? Y N
 RHA: _____ SCC: _____

Concerns:

General Information

Milking times: _____ am/pm _____ am/pm _____ am/pm
 Total Milking time: _____
 Feeding times: _____ am/pm _____ am/pm _____ am/pm _____ am/pm
 Feed push up times: _____ am/pm _____ am/pm _____ am/pm _____ am/pm

Building Information

Shelter type: 2-row tail-to-tail 2-row head-to-head 3-row 4-row
 Other: _____

Total no. stalls: _____ Electric trainers used? Y N

Feeding area: Flat manger Recessed manger J-bunk
 Other: _____

Water: Bowls: stall side / feed side Trough Other: _____

Ventilation: Mechanical: _____ exhaust pressure Natural _____
 Other: _____

Air quality: excellent very good good fair poor

Manure collection: Barn cleaner Gravity gutter Other: _____

Gutter grates? Y N Type: round bar flat bar other: _____

Frequency: _____ time(s)/day

Service Alley Condition: good slippery rough poor

First observation of stall use: _____ am/pm

Row 1: #Stalls_____#Cows_____
Resting _____ #Standing: idle_____ feeding/drinking_____

Row 2: #Stalls_____#Cows_____
Resting _____ #Standing: idle_____ feeding/drinking_____

Row 3: #Stalls_____#Cows_____
Resting _____ #Standing: idle_____ feeding/drinking_____

Row 4: #Stalls_____#Cows_____
Resting _____ #Standing: idle_____ feeding/drinking_____

Second observation of stall use: (45 – 60 min after first): _____ am/pm

Row 1: #Stalls_____#Cows_____
Resting _____ #Standing: idle_____ feeding/drinking_____

Row 2: #Stalls_____#Cows_____
Resting _____ #Standing: idle_____ feeding/drinking_____

Row 3: #Stalls_____#Cows_____
Resting _____ #Standing: idle_____ feeding/drinking_____

Row 4: #Stalls_____#Cows_____
Resting _____ #Standing: idle_____ feeding/drinking_____

Cattle Behavior & Condition

| | | | | | |
|-----------------------|---|---|-------------------------|---|---|
| Struggle to rise? | Y | N | Lie too far forward? | Y | N |
| Struggle to recline? | Y | N | Lie too far back? | Y | N |
| Stand to far back? | Y | N | Lie too diagonally? | Y | N |
| Able to eat easily? | Y | N | Rise front first? | Y | N |
| Able to drink easily? | Y | N | Cows stand comfortably? | Y | N |

Cow temperament: calm cautious nervous terrified

Mobility: excellent very good good fair poor

Lameness: none some several all

Injuries:

| | | | | | |
|--------------------|---|---|---------------|---|---|
| Swollen hocks? | Y | N | Swollen neck? | Y | N |
| Swollen pelvis? | Y | N | Bruised ribs? | Y | N |
| Swollen shoulder? | Y | N | Cut teats? | Y | N |
| Swollen pin bones? | Y | N | Abrasions? | Y | N |
| Swollen neck? | Y | N | Hair loss? | Y | N |

Other: _____

Stall Characteristics

| | <u>Row 1</u> | | | <u>Row 2</u> | | |
|-----------------|------------------------------------|------------------------|---------|------------------------------------|------------------------|---------|
| Stall Type: | Single tie rail | Arch | Comfort | Single tie rail | Arch | Comfort |
| Other: | _____ | | | _____ | | |
| Stall bed: | length (L_S):_____ | width (W_S):_____ | | length (L_S):_____ | width (W_S):_____ | |
| Neck rail: | height: stall side (H_S):_____ | | | height: stall side (H_S):_____ | | |
| | manger side(H_M):_____ | | | manger side(H_M):_____ | | |
| | length (L_N):_____ | | | length (L_N):_____ | | |
| Chain length: | length (L_C):_____ | | | length (L_C):_____ | | |
| Front curb: | width (W_C):_____ | height (H_C):_____ | | width (W_C):_____ | height (H_C):_____ | |
| Feed manger: | height (H_F):_____ | width (W_F):_____ | | height (H_F):_____ | width (W_F):_____ | |
| Waterer: | height (H_W):_____ | | | height (H_W):_____ | | |
| Partition type: | Anchored at stall bed | U-loop | | Anchored at stall bed | U-loop | |
| Other: | _____ | | | _____ | | |
| Partition: | length (L_P):_____ | height (H_P):_____ | | length (L_P):_____ | height (H_P):_____ | |
| Rear curb: | stall entry height (H_E):_____ | | | stall entry height (H_E):_____ | | |
| Gutter: | width (W_G):_____ | depth (D_G):_____ | | width (W_G):_____ | depth (D_G):_____ | |

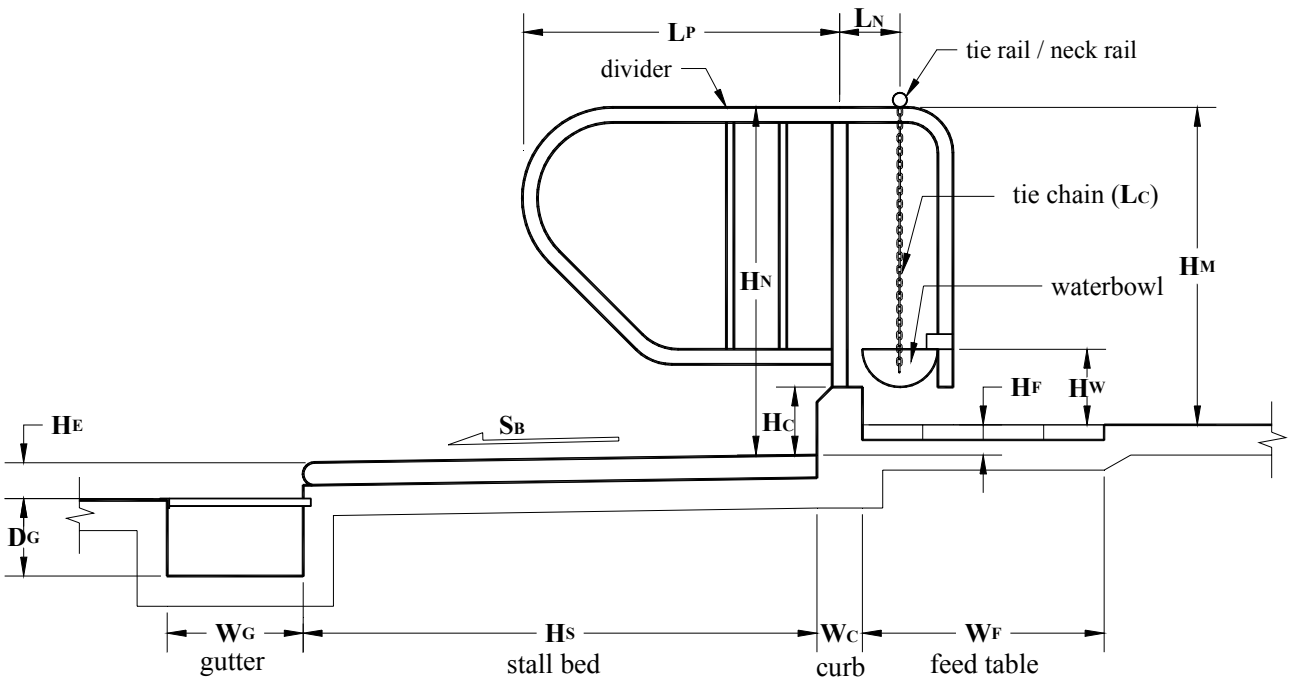


Figure 1: Tie Stall Cross Section

Resting Surface

Stall bed type: Generously bedded: material: inorganic organic type: _____
 Mattress: material: rubber water other: _____
 Rubber hat: material: soft hard
 Bedding type: sand sawdust shavings straw (long/chopped) other _____
 Bedding depth: immediately before bedding _____ immediately after bedding _____
 Bedding interval: Every _____ days Stall grooming: _____ time(s) per day
 Present stall condition: clean _____ dirty _____ dry _____ wet _____ slippery _____ other _____
 present bedding depth _____

Table 1. Suggested Tie Stall Dimensions for Various Size Cows

| Dimension | Cow mass (lb) | | |
|--|-------------------------------|-------------------------------|-------------------------------|
| | 1200 | 1400 | 1600 |
| L _S =stall bed length (in) | 64 to 66 | 68 to 70 | 70 to 72 |
| W _S =stall width (in), center to center | 48 to 51 | 51 to 54 | 54 to 57 |
| H _M =feed table to neck rail (in) | 32 to 36 | 38 to 42 | 42 to 46 |
| H _N = stall bed to neck rail (in) | 34 to 40 | 40 to 46 | 44 to 50 |
| L _N =length to neck rail (in) | 6 to 8 | 6 to 8 | 6 to 8 |
| L _P =stall partition length (in) | (L _S - 18) or less | (L _S - 18) or less | (L _S - 18) or less |
| H _C =front curb height from stall bed (in) | 9 | 9 | 9 |
| W _C =front curb width (in) | 6 | 6 | 6 |
| H _F =feed table height from stall bed, (in) | 2 to 4 | 2 to 4 | 2 to 4 |
| W _F =feed table width, (in) | 32 to 36 | 32 to 36 | 32 to 36 |
| H _E =stall entry height, (in) | 0 to 8 | 0 to 8 | 0 to 8 |
| W _G =gutter width (in) | 16 to 24 | 16 to 24 | 16 to 24 |
| D _G =gutter depth (in)) | 12 to 16 | 12 to 16s | 12 to 16s |
| S _B =stall base slope (%) | 0.5 to 2 | 0.5 to 2 | 0.5 to 2 |

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