AGRICULTURAL & BIOLOGICAL ENGINEERING
Cooperative Extension
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Freestall Alley

Stall dimensions vary with animal size and breed. See No. DIP 821 for dimensions.

Gravel trench with drain tile to collect roof runoff.

Curb to divert manure and barnyard water away from trench.

Gravel layer to discourage weeds and rodents.

Fence to protect sidewall and trench from animals if present.

Building posts 4' on center to provide support for stall partitions. If post spacing is wider select horizontal support members that offer minimal interference to air movement and cow lunging.

Double hem curtain: 6" shorter than side wall opening. Adjust from the top. Bundle together and pull to the top for summer storage.

14' minimum sidewall height for two and four row arrangements
16' minimum sidewall height for three row arrangement

5' or 1/3 sidewall height

Extend roof overhang to provide better shade and precipitation protection for animals along outside wall.

Curtain support screen

Bottom curtain rolls around bottom pipe and is stored under divider ledge.
Freestall Alley

14' minimum sidewall height for two and four row arrangements
16' minimum sidewall height for three row arrangement

Individual support post for partition

Walkway

Stall dimensions vary with animal size and breed. See No. DIP 821 for dimensions.

Freestall Wall with Rear Walkway

Curtain support screen

Double hem curtain: 6” shorter than side wall opening. Adjust from the top. Bundle together and pull to the top for summer storage.

Bottom curtain rolls around bottom pipe and is stored under divider ledge.

Fence to protect sidewall and trench from animals if present.

Gravel layer to discourage weeds and rodents.

Curb to divert manure and barnyard water away from trench.

Gravel trench with drain tile to collect roof runoff.