**Notes:**

- Structural details to be designed and constructed in accordance with local codes and conditions.
- Designed for maximum of 6 animals per pen for 30 sq. ft per head of bedded pack and 20" per head of feed space.
- Place floor to ceiling draft barriers every other pen in buildings longer than 30 ft.

**Related Detail Sheets:**

1. DIP 831 Fenceline Feed Barriers (Sheet #3)
2. DIP 851 Freestall Crossovers and Floor Surface Details
3. DIP 842 Watering Locations for Calves & Heifers
Notes:
- Structural details to be designed and constructed in accordance with local codes and conditions.
- Orient ridge perpendicular to prevailing winds.
- Face overshot ridge opening away from prevailing winds.
- Truss must be designed for overhang on one end.
- Roof overhang must clear feed equipment.
- Place floor to ceiling draft barriers every other pen in buildings longer than 30 ft.

Related Detail Sheets:
1. DIP 831 Fenceline Feed Barriers (Sheet #3)
2. DIP 831 Freestall Crossovers and Floor Surface Details
3. DIP 842 Watering Locations for Calves & Heifers
4. DIP 811 Ridge Openings for Naturally Ventilated Dairy Shelters
5. DIP 861 Gates and Penwork

Monoslope Roof Option

Notes:
- Face open front away from prevailing winter winds.
- Open front facing SE will provide afternoon shading in hot weather.

Adjustable sidewall curtains

Use solid gates or add plywood and rubber belting to provide draft protection during cold weather.

Weaned Calf Shelter: Weaned to 300 Pounds
- Structural details to be designed and constructed in accordance with local codes and conditions.

- Place floor to ceiling draft barriers every other pen in buildings longer than 30 ft.

Related Detail Sheets:
1. DIP 831 Fenceline Feed Barriers (Sheet #3)
2. DIP 851 Freestall Crossovers and Floor Surface Details
3. DIP 842 Watering Locations for Calves & Heifers
4. DIP 811 Ridge Openings for Naturally Ventilated Dairy Shelters
5. DIP 881 Gates and Penwork
Double hem curtain:
Adjust from the top.
Bundle together and pull to the top for summer storage.

10' minimum sidewall height for ventilation and equipment clearance

Fence construction to minimize air obstruction:
- cattle panel attached to inside of post with 2 x 4 at calf eye level
- 1 1/2" pipe rails 8" on center.

12" high reinforced concrete wall

Gravel trench with drain tile to collect roof runoff.

Sidewall Details
Cross Section 2/1

LEAVE SPACE BETWEEN RAFTERS OPEN FOR WINTER VENTILATION.

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.

FENCE TO PROTECT SIDEWALL AND TRENCH FROM ANIMALS IF PRESENT.

- Gravel layer to discourage weeds and rodents.
- Curb to divert manure and barn yard water away from trench.