Notes:
- Structural details to be designed and constructed in accordance with local codes and conditions.
- Put plywood on gates if drafts are a problem with younger animals.
- Provide bedded pack area per heifer as follows:
  - 300 - 500 lb: 40 sq. ft.
  - 500 - 700 lb: 50 sq. ft.
  - 700 - 900 lb: 60 sq. ft.
  - 900 - 1100 lb: 70 sq. ft.
  - 1100 lb - Pre-fresh: 80 sq. ft.

Related Detail Sheets:
1. DIP 831 Fenceline Feed Barriers
2. DIP 851 Freestall Crossovers and Floor Surface Details
3. DIP 842 Watering Locations for Dairy Calves and Heifers
Notes:
- Structural details to be designed and constructed in accordance with local codes and conditions.
- Face open front away from prevailing winter winds.
- Open front facing SE will provide afternoon shading in hot weather.

Related Detail Sheets:
1. DIP 831 Fenceline Feed Barriers
2. DIP 851 Freestall Crossovers and Floor Surface Details
3. DIP 842 Watering Locations for Dairy Calves and Heifers
4. DIP 801 Typical Sidewall - Outside Alley
5. DIP 861 Gates and Penwork

BEDDED PACK HEIFER SHELTER: 300 POUNDS TO 1 MONTH PRE-FRESH, 7 GROUPS, 150 ANIMALS
1 FITS THREE ROW HEIFER FREESTALL
Graves, McFarland, Tyson, Millson
Date: 02/08/07 Sheet #4 of 4
No. DIP 538
Notes:
- Structural details to be designed and constructed in accordance with local codes and conditions.
- Orient overshot ridge perpendicular to prevailing winds.
- Truss must be designed for overhang on one end.
- Roof overhang must clear feed equipment.

Related Detail Sheets:
1. DIP 831 Fenceline Feed Barriers
2. DIP 861 Freestall Crossovers and Floor Surface Details
3. DIP 842 Watering Locations for Dairy Calves and Heifers
4. DIP 801 Typical Sidewall - Outside Alley
5. DIP 811 Ridge Openings for Naturally Ventilated Dairy Shelters
6. DIP 861 Gates and Penwork
18" continuous ventilation opening with bird mesh cover

Overshot ridge cover

Bird mesh

Feed barrier

Feed table

Gate

Waterer

Partition

Compacted gravel or concrete

Curtain support screen

Adjustable sidewall curtains

Animal Movement Lane

Notes:
- Structural details to be designed and constructed in accordance with local codes and conditions.
- Orient overshot ridge perpendicular to prevailing winds.
- Ceiling height must clear feed equipment.

Related Detail Sheets:
1. DIP 831 Fenceline Feed Barriers
2. DIP 851 Freestall Crossovers and Floor Surface Details
3. DIP 842 Watering Locations for Dairy Calves and Heifers
4. DIP 801 Typical Sidewall - Outside Alley
5. DIP 811 Ridge Openings for Naturally Ventilated Dairy Shelters
6. DIP 861 Gates and Penwork

BEDDED PACK HEIFER SHELTER: 300 POUNDS TO 1 MONTH PRE-FRESH; 7 GROUPS, 150 ANIMALS
- FITS THREE ROW HEIFER FREESTALL

No. DIP 538