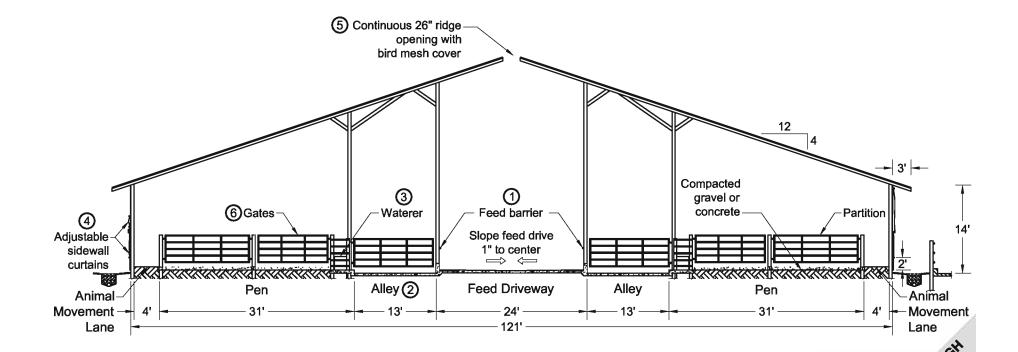
PENNSTATE **AGRICULTURAL & BIOLOGICAL ENGINEERING** Cooperative Extension www.abe.psu.edu 304' 120' -500 - 700 lb (30 Heifers Each) 700 - 900 lb (60 Heifers) 300 - 500 lb (15 Heifers Each) Observation and animal movement lane Optional Bedded Bedded Bedded Bedded loading Pack Pack Bedded **Bedded** Pack Pack chute 31' **Bedded Pack** Pack Pack Slope (3) Waterer (0.5 - 2%) 13' Alley (2) 13' gate Gated pass through Feed Delivery Driveway ← Slope 121' 24' (typical) Feed barrier Slope - Door Door -Alley 13' Waterer -√13' gate (0.5 - 2%)Gate Gate Fence or solid barrier to prevent access to Bedded Bedded waterer from bedded 31' Optional **Pack** Pack pack loading chute HEIFER BEDDED PACK SHELTER, DRIVE, THROUGH SHELTER, DRIVE, THROUGH SHELTER, DRIVE, DRI Observation and animal movement lane Observation and animal movement lane 1100 lb - 1 Month Pre-Fresh (60 Heifers) 900 - 1100 lb (60 Heifers) **- 136'** 160' Related Detail Sheets: Notes: • Structural details to be designed and constructed in accordance with 1 DIP 831 Fenceline Feed Barriers local codes and conditions. 2 DIP 851 Freestall Crossovers and Floor • Provide bedded pack area per heifer as follows: Surface Details - 300 - 500 lb: 40 sq. ft. 3 DIP 842 Watering Locations for Dairy Calves - 500 - 700 lb: 50 sq. ft. and Heifers - 700 - 900 lb: 60 sq. ft. - 900 - 1100 lb: 70 sq. ft. - 1100 lb - Pre-fresh: 80 sq. ft.



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Notes:

- Structural details to be designed and constructed in accordance with local codes and conditions.
- Orient ridge perpendicular to prevailing winds.

Related Detail Sheets:

Post and Beam Roof
Cross Section

- 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

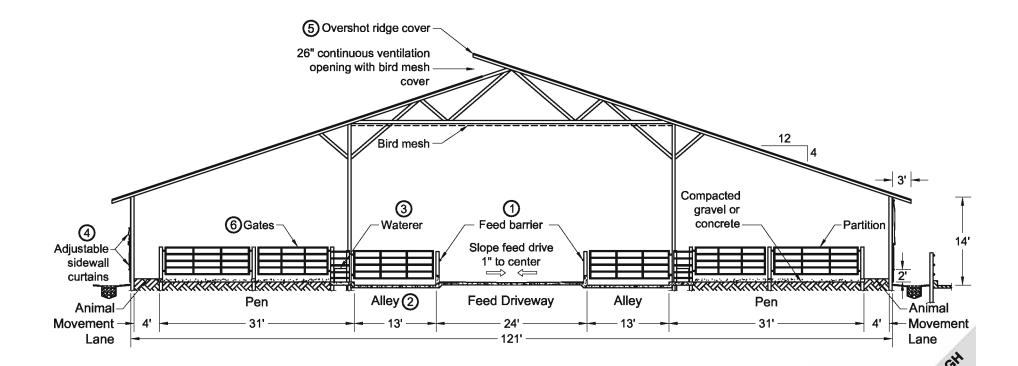
HEIFER BEITELFREITE STANDSON NO. DIP 564



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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.

Related Detail Sheets:

Truss Roof

Cross Section

- 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

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