Notes:
- Structural details to be designed and constructed in accordance with local codes and conditions.
- Provide a gated worker pass through in each group for easy access.
- Plan shows 4 groups of 21 stalls. Can be expanded using same ideas shown.
- Add additional crossover for groups larger than 22 stalls.
- Building length may vary depending on stall width and number.
- With a three row design, not all animals will be able to be caught in lockups at the same time (if installed).

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 Heifer
4. DIP 822 Heifer Freestall (Cubicle), Types and Details
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 822 Heifer Freestall (Cubicle), Types and Details
4. DIP 802 Typical Sidewall - Freestall Row
5. DIP 861 Gates and Penwork
AGRICULTURAL & BIOLOGICAL ENGINEERING
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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 851 Freestall Crossovers and Floor Surface Details
3. DIP 822 Heifer Freestall (Cubicle), Types and Details
4. DIP 802 Typical Sidewall - Freestall Row
5. DIP 811 Ridge Openings for Naturally Ventilated Dairy Shelters
6. DIP 861 Gates and Penwork

No. DIP 543
Notes:
- Structural details to be designed and constructed in accordance with local codes and conditions.
- Orient overshot ridge perpendicular to prevailing winds.
- Roof ceiling must clear feed equipment.

Related Detail Sheets:
1. DIP 831 Fenceline Feed Barriers
2. DIP 851 Freestall Crossovers and Floor Surface Details
3. DIP 822 Heifer Freestall (Cubicle), Types and Details
4. DIP 802 Typical Sidewall - Freestall Row
5. DIP 811 Ridge Openings for Naturally Ventilated Dairy Shelters
6. DIP 861 Gates and Penwork