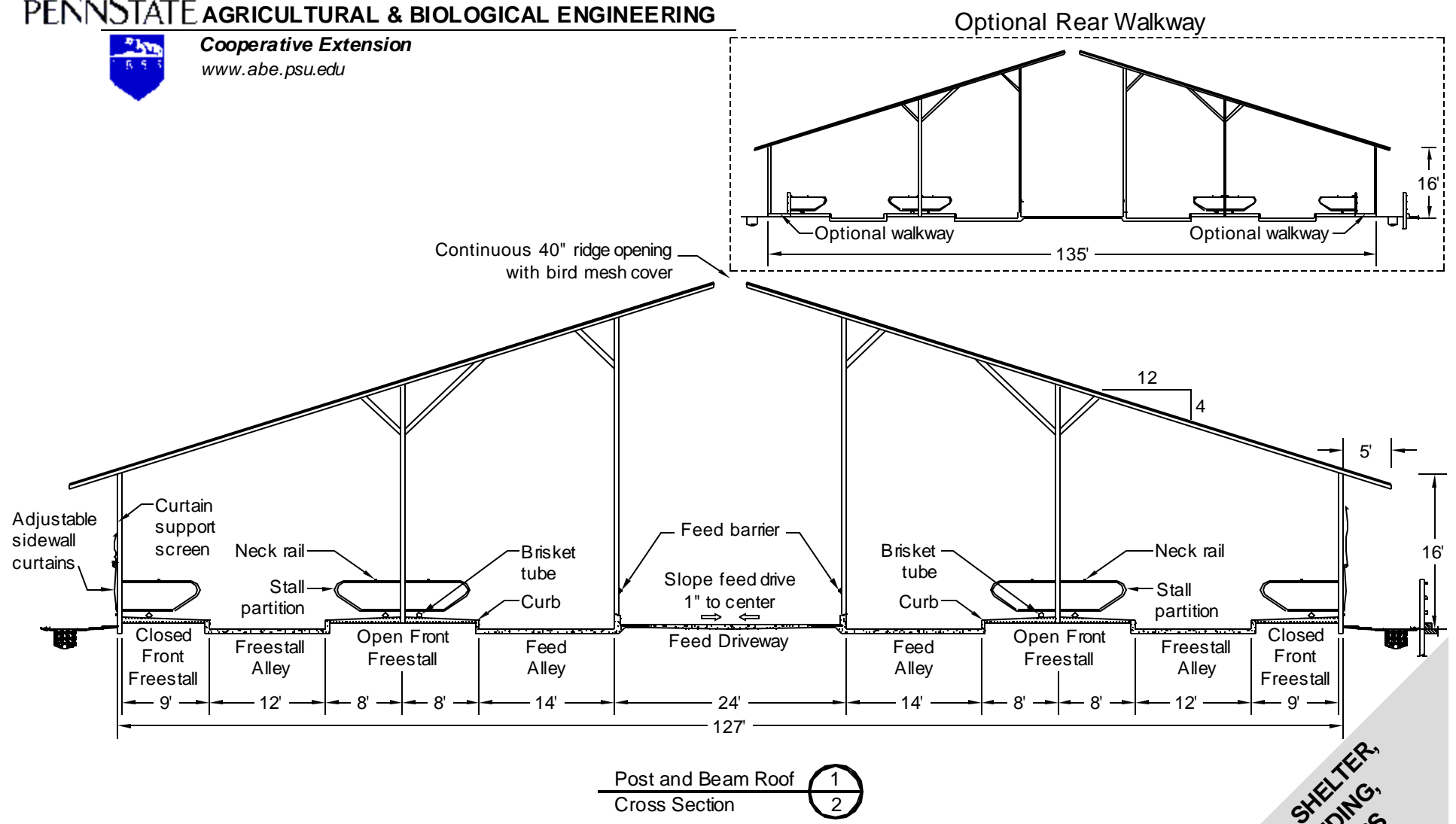


- Related Detail Sheets :
- DIP 821 Cow Freestall (Cubicle), Types and Details
 - DIP 831 Fenceline Feed Barriers
 - DIP 841 Watering Locations for Dairy Cattle
 - DIP 851 Freestall Crossovers and Floor Surface Details

- Notes :
- Structural details to be designed and constructed in accordance with local codes and conditions.
 - Provide a crossover every 15 to 20 stalls (60' - 80').
 - Provide minimum of two waterer locations per group and 3" of trough length per cow in all milking groups.
 - Provide pass throughs at/in gates and spaced along feed barrier for safety and handling ease.
 - Contact milk inspection agency when developing plans for milking cows.

**SIX ROW FREESTALL SHELTER,
DRIVE-THROUGH FEEDING,
174 STALLS - 2 GROUPS**
Graves, McFarland, Tyson, Wilson
Date: 11/29/05 Sheet #1 of 3
No. DIP 223



Post and Beam Roof
Cross Section 1
2

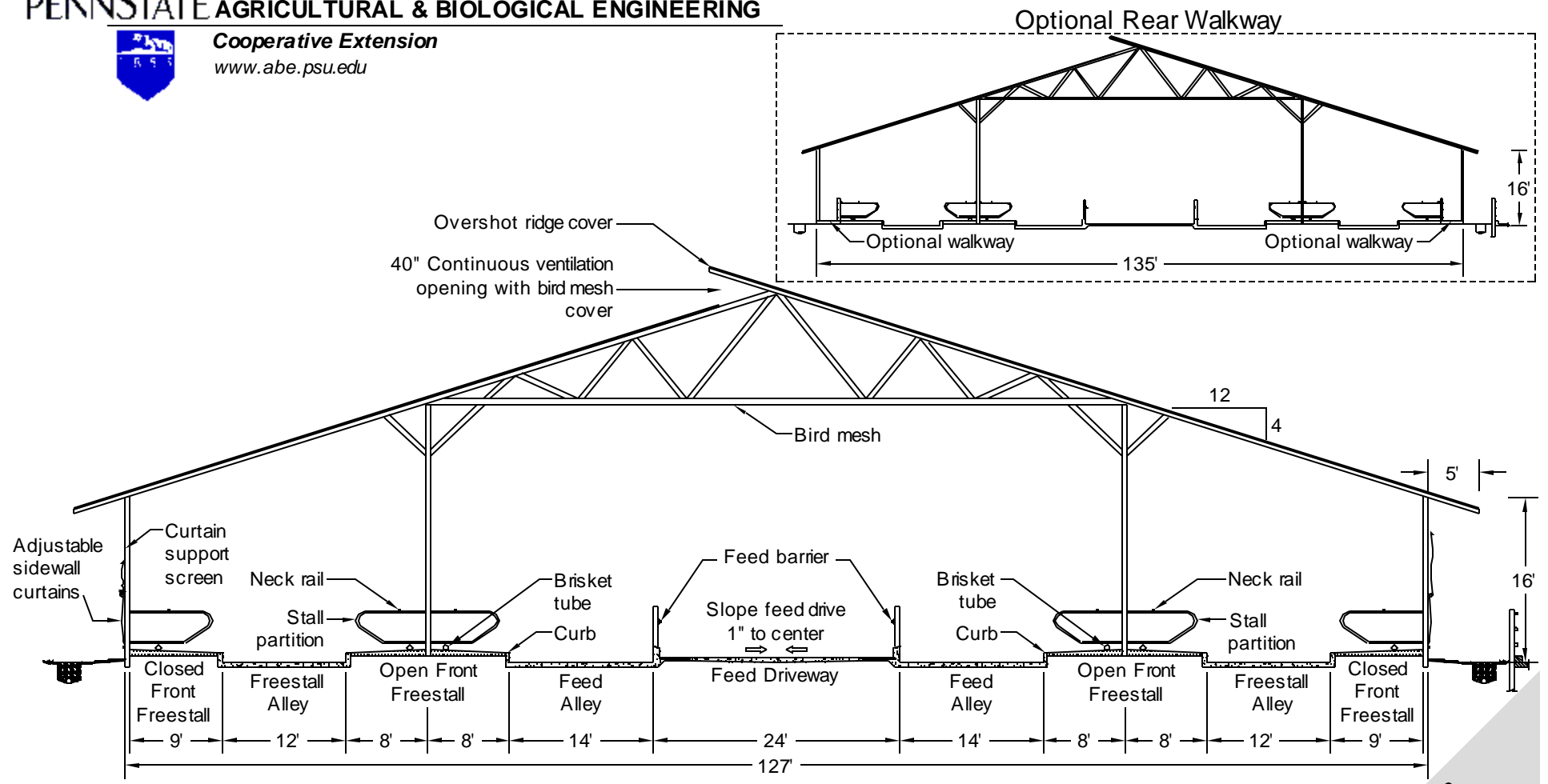
Notes :

- Structural details to be designed and constructed in accordance with local codes and conditions.
- Orient ridge perpendicular to prevailing winds.
- Contact milk inspection agency when developing plans for milking cows.

Related Detail Sheets :

- DIP 802 Typical Sidewall - Freestall Row
- DIP 811 Ridge Openings for Naturally Ventilated Dairy Shelters
- DIP 821 Cow Freestall (Cubicle), Types and Details
- DIP 831 Fenceline Feed Barriers
- DIP 851 Freestall Crossovers and Floor Surface Details

**SIX ROW FREESTALL SHELTER,
DRIVE-THROUGH FEEDING,
174 STALLS - 2 GROUPS**
Graves, McFarland, Tyson, Wilson
Date: 11/29/05 Sheet #2 of 3



Truss Roof 1
Cross Section 3

Notes :

- Structural details to be designed and constructed in accordance with local codes and conditions.
- Orient ridge perpendicular to prevailing winds.
- Face overshoot ridge opening away from prevailing winds.
- Contact milk inspection agency when developing plans for milking cows.

Related Detail Sheets :

- DIP 802 Typical Sidewall - Freestall Row
- DIP 811 Ridge Openings for Naturally Ventilated Dairy Shelters
- DIP 821 Cow Freestall (Cubicle), Types and Details
- DIP 831 Fenceline Feed Barriers
- DIP 851 Freestall Crossovers and Floor Surface Details

**SIX ROW FREESTALL SHELTER,
DRIVE-THROUGH FEEDING,
174 STALLS - 2 GROUPS**
Graves, McFarland, Tyson, Wilson
Date: 11/29/05 Sheet #3 of 3