

## **BARN DESIGN**

What is important to a horse?

Shelter from heat or wet

Windbreak

Food

What can the barn provide?

Ventilation – very important

Protection from drafts

Natural light

Important considerations:

Safety

Good headroom

No protruding objects

No sharp or rough edges, or chewable surfaces

Sanitation

Good drainage in stalls and aisle

Protection of feed from rodents and insects

Exclude birds – disease carriers

Site selection

Good drainage

Prevailing wind for ventilation

Sunlight

## **BARN COMPONENTS**

Stalls

Size

Ventilation

Draft protection

Doors – interior and exterior

Water – buckets or waterers

Feed – tugs or fixed mangers

Hay – net or rack

Floor material

Aisle

Width

Surface

Light

Free from protruding objects

### Feed room

- No rodents or insects
- Cleanability
- Storage for supplies
- Water
- Refrigerator?

### Tack room

- Convenience
- Security
- Cleaning area
- Storage for pads, boots, etc.

### Storage areas

- Bedding – inside or outside barn
- Hay- in barn or separate building (fire safety)
- Equipment - forks rakes, brooms, wheelbarrows, etc.

### Manure

- Pile or pit
- Location

### Lighting

- Stalls – flameproof and damage proof
- Switches and outlets weatherproof and tamper proof
- Wiring – in conduit

### Water

- Location
- Protection from freezing

### Ventilation

- Doors and windows
- Ridge vents and cupolas
- Fans
  - Stall fans
  - Exhaust fans