



AB PASTURE SORT GATE

- All cows sorted to open pasture
- Possible to return cows to barn if desired

PASTURE RETURN SORT GATE

- Co-mingled (two groups combined) in pasture sort cows to correct group on return cows
- Direct access to robot lane upon return from pasture
- “Funnel” layout to prevent congestion

ONE-WAY FINGER GATE

- Pasture access
- Wide so multiple cows can pass and to eliminate blocking

PRE-MILK SORT GATE

- Part of guided-flow system, only cows with milk permission go to commitment pen/robot
- Cow flow can be converted to free flow, commitment pen becomes fetch pen

ROBOT ROOMS

- “Toll-gate” style entry with six automated milking systems
- Robot entry and exit segregated, eliminates co-mingling when more than one robot per group in guided flow
- No robot “pass-through” necessary to sort cows

OBSERVATION AREA

- Visual experience without disturbing cows or entering barn

BEDDED PACK

- Each pack sized at 17,900 square feet (35,800 square feet total)
- Sized for 100 square feet per cow
- Multiple points to enter lane to robots, return from feed to preserve pack

POST-MILK SORT GATE

- Cows can be sent to separation pen after milking

COMMITMENT PEN

- Sized for 18 cows at 45 square feet per cow (9-feet-by-5-feet)
- 20 feet clearance in front of robots
- Manual scrape to slot drain adjacent to lane opposite robot rooms

SEPARATION PACK

- Easy access for cleaning
- Sized for four cows at 100 square feet per cow
- Pre-fresh heifers trained here

DESIGN SUMMARY

- Six robots, three robots per group
- 360-cow capability (two groups of 180 cows) with guided-flow cow traffic to maximize robot capacity
- 35,800 square feet of bedded pack (100 square feet per cow)
- Automated AB grazing access with cows sorted into home group upon returning from pasture
- Centralized milking center
- Centralized, post-milk, long-term separation pens with bedded pack
- Outside perimeter feed drives
- Designed for Northern California climate

1 ISOMETRIC RENDERING
NOT TO SCALE