



WALL COMPOSITION

- 6" vs 8" thickness
- Wood vs metal stud vs concrete
- Cost/durability dilemma

STRUCTURAL MATERIAL

- Economic vs high-performance
- Short-term savings can have high running cost

CENTRALIZED VS. DECENTRALIZED ROBOTS (TOLL BOOTH)

- Shown are decentralized robots (toll booth)
- Initial cost of decentralized is greater

NECK RAIL VS. LOCKUPS

- Neck rail costs less
- Herd management capability impacted

BUILDING SPAN AND HEIGHT

- Increasing span and height has exponential cost impact
- Increasing length has linear cost impact

MINIMIZING USE OF CONCRETE

- Curbs vs. walls
- Reduce thickness where possible

ROOM FINISHES

- Bare concrete vs. epoxy coating vs. tile floors
- HDPE finished form system vs. traditional wall types

PERIMETER VS. CENTER DRIVE

- Center drive is ~12% smaller area than perimeter drives
- Perimeter preferred in colder regions

PRE-FABRICATED GATES AND FENCING

- Faster and safer than on-site assembly
- Detailed shop drawings required

POWER VS. NATURAL VENTILATION

- Power ventilation adds cost
- Must balance cost vs. cow comfort
- Do not compromise on cow comfort

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