House project problem is to design and draw ranch that is a maximum of 2000 sq. ft.

Your ranch should include

- four bedrooms
- 3 bedrooms for kids, which include 1-2 windows and a min. of 2x4' or 2x 6' closet
- 1 master bedroom , which include a walk in closet and a full bath
- 2.5 baths
- One of the baths should be in the master bedroom
- Attached 2 car garage should have 16' door, or 2 8'doors with a 1' pillar down the middle, garage should be 20' x 20'
- Living room
- Dining room
- Kitchen, kitchen sink must face a window
- Foyer, which includes a closet
- Mudroom, which include 1st floor laundry
- Exterior walls must be 6" thick for the R19 insolation , interior walls are 5" thick
- Standard Doors are 80" high, 3' wide

	N. America [1]	
Single Twin (USA)	39 in × 75 in 99 cm × 190 cm	
Double or full	54 in × 75 in 140 cm × 190 cm	
Queen King (UK & Ire.) Wide Double (Japan)	60 in × 80 in 150 cm × 200 cm	
Olympic Queen Queen (Japan)	66 in × 80 in 170 cm × 200 cm	
King Super King (UK & Ire.)	76 in × 80 in 190 cm × 200 cm	
California King King Long (Japan)	72 in × 84 in 180 cm × 210 cm	