



## 24'x24' MILD-REINFORCED CONCRETE FLAT PLATE RESIDENTIAL BAY

### DESIGN CRITERIA

Superimposed Dead Load = 10 psf  
 Live Load = 40 psf (reducible) + 15 psf (non-reducible)

2-hour Fire Resistance Rating

### CONCRETE

SLAB THICKNESS

#### "

### REINFORCEMENT

(TOTAL IN BAY INCLUDING SLAB, JOISTS, GIRDERS)

ASTM A615, GRADE 60 REBAR      #### PSF

HIGHER STRENGTH REBAR      *Fy*: #### ksi

#### PSF

STUD RAIL ASSEMBLY PER COLUMN      #### LBS

### NOTES TO DESIGNERS

1) Please refer to the ECIDs primer for additional design rules / criteria prior to designing your bay.

2) Fill in all quantities in yellow

SEI SE2050 Committee

Embodied Carbon Intensity Diagrams

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