



### 30'x45' CONCRETE JOIST OFFICE BAY

#### DESIGN CRITERIA

Superimposed Dead Load = 10 psf  
 Live Load = 50 psf (reducible) + 15 psf (non-reducible)

$f_c =$  ##### psi

2-hour Fire Resistance Rating

**PANS:** ##### " WIDE x ##### " DEEP

**JOISTS:** ##### " WIDE

**GIRDER:** ##### " WIDE

##### 1/2" Ø 7-STRAND, 270 KSI  
 POST-TENSIONING TENDONS PER GIRDER

#### MILD REINFORCEMENT

(TOTAL IN BAY INCLUDING SLAB, JOISTS, GIRDERS)

ASTM A615, GRADE 60 REBAR ##### PSF

HIGHER STRENGTH REBAR  $F_y$ : ##### ksi

##### PSF

#### 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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