



## 30'x45' COMPOSITE STEEL OFFICE BAY

### INCLUDED IN LCA:

#### STEEL

ASTM A992  
 (3) BEAM #1 *W21x44 TO W24x55*  
 (1) BEAM #2 *W24x62 TO W21x93*

3/4"Øx4" HEADED STUDS *146 TO 182*

STEEL CONNECTIONS *0.06 TO 0.25 PSF*

#### STEEL DECK

ASTM A653  
 2" GALVANIZED COMPOSITE DECKING,  
 20 GA

#### CONCRETE

3,000 PSI LIGHTWEIGHT (115 PCF),  
 20-29% SCMs

GRADE 60 REBAR *0.00 TO 0.15 PSF*

NOTE: ITALICS INDICATES DESIGN PARAMETERS LEFT TO DISCRETION OF ENGINEER. RANGE REPRESENTS RANGE OF RESULTS DUE TO DIFFERENT ENGINEERS.

SEI SE2050 Committee

Embodied Carbon Intensity Diagrams

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## Carbon Intensity

