**INCLUDED IN LCA:**

- (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
- 2" WIDE RIB GALVANIZED COMPOSITE DECKING, 20 GA.
- CONCRETE = 3,000 PSI, LIGHTWEIGHT (115 PCF), 20-29% SCMs
- WWR 6x6 W1.4xW1.4
- ASTM A615, GRADE 60 REBAR - 0.00 TO 0.15 PSF

**NOTE:** ITALICS INDICATES ITEMS WITH VARIABLE DESIGN BY DIFFERENT DESIGNERS.

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**PROJECT**
SEI SE2050 Working Group

**TITLE**
Embodied Carbon Intensity Diagrams

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**GWP (kgCO₂e/m²)**

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A-C | A-D
Appendix: This is the sheet that was given to designers to design the "typical" bay

NOTES:

1. LOADING CRITERIA:
   SDL: 10 PSF     LL: 50 (R) + 15 PSF (NR - PARTITIONS)

2. MATERIAL CRITERIA:
   CONCRETE = 3,000 PSI, LIGHTWEIGHT (115 PCF)
   REINFORCEMENT = WWR 6x6 W1.4xW1.4, ASTM A185
   STEEL DECK = ASTM A653, GAGE 20
   W-SHAPES = ASTM A992
   HEADED STUDS = 3/4"Øx4" AWS D1.1 TYPE B

3. UNSHORED CONSTRUCTION. CONSIDER CONSTRUCTION LIVE LOAD OF 20 PSF.

ADDITIONAL DESIGN OUTPUT:

1. __ PSF STEEL CONNECTION WEIGHT (OVER BAY AREA)

2. __ LBS REBAR TOTAL IN BAY (IF ANY)