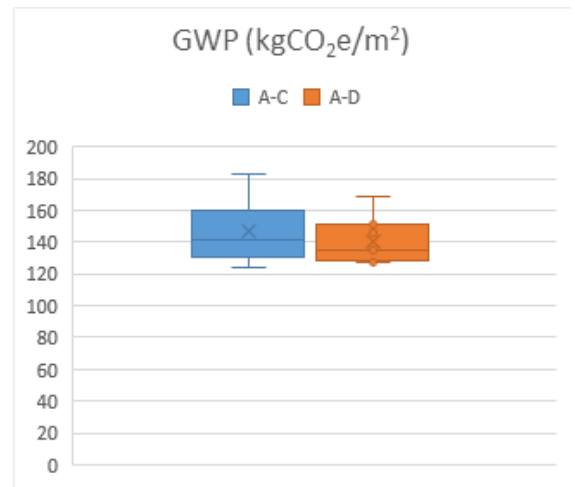


INCLUDED IN LCA:

- CONCRETE = 6,000 PSI, NORMALWEIGHT, 0% SCMs - 8" THICK
- (1) STEEL STUD RAIL ASSEMBLY - 10 LBS TO 96 LBS
- 7-STRAND, 1/2"Ø, 270 KSI POST-TENSIONING TENDONS
- 17 TO 22 ON ONE BANDED LINE
- 18 TO 22.5 PER BAY IN UNIFORM DIRECTION
- ASTM A615, GRADE 60 REBAR - 0.55 TO 3.45 PSF

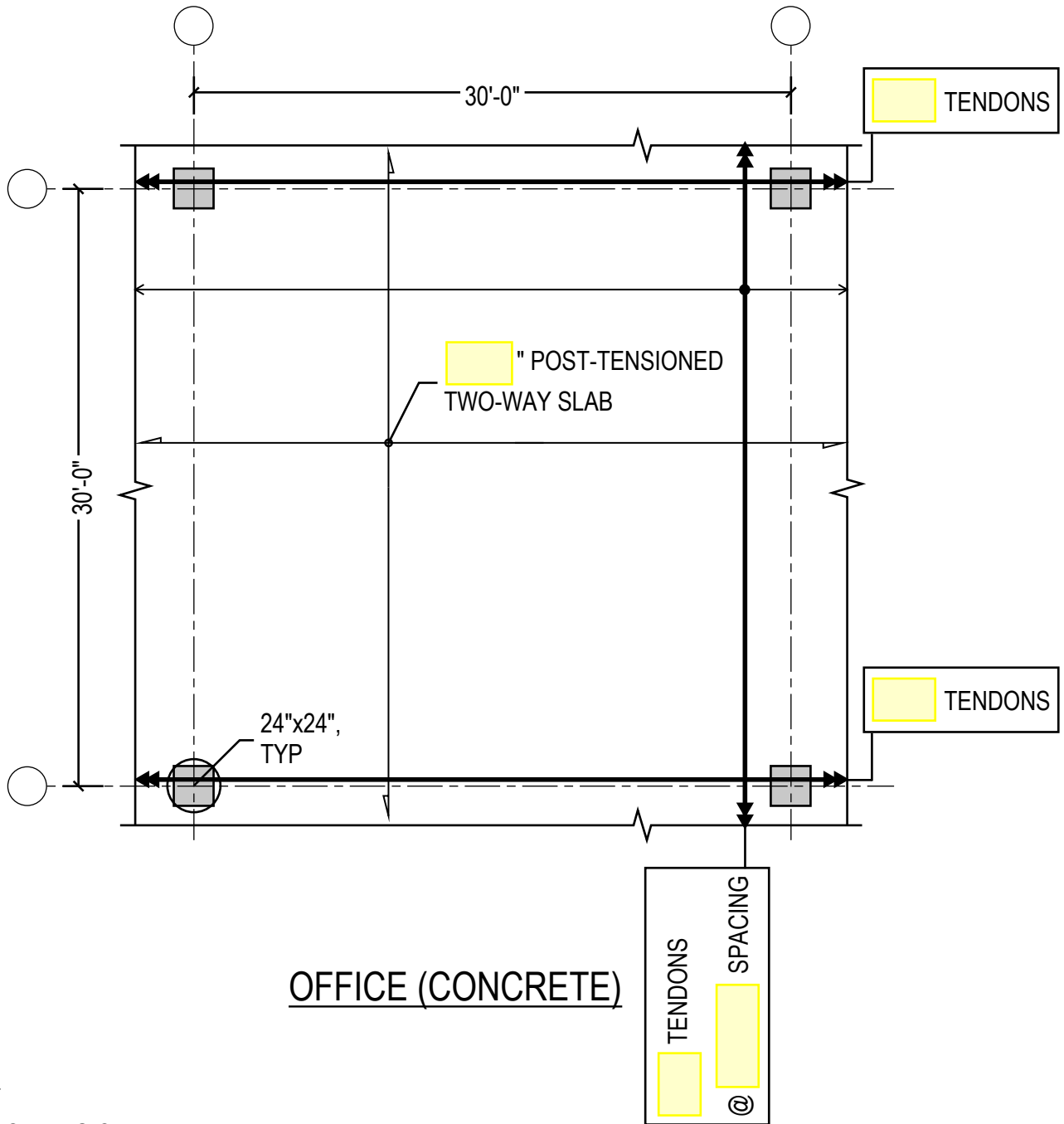
NOTE: ITALICS INDICATES ITEMS WITH VARIABLE DESIGN BY DIFFERENT DESIGNERS.



PROJECT	SEI SE2050 Working Group
TITLE	Embodied Carbon Intensity Diagrams



Appendix: This is the sheet that was given to designers to design the bay



NOTES:

1. **LOADING CRITERIA:**
 SDL: 10 PSF LL: 50 (R) + 15 PSF (NR - PARTITIONS)
2. **MATERIAL CRITERIA:**
 CONCRETE: $f'_c = 6,000$ PSI, $f'_{ci} = \text{DESIGNER'S CHOICE}$
 REINFORCEMENT = ASTM A615, GRADE 60
 POST TENSIONING = 7-STRAND, 1/2" NOMINAL
 DIAMETER, ASTM A416, 270 KSI
3. **DESIGN FOR 2 HOUR FIRE RATING.**

ADDITIONAL DESIGN OUTPUT:

1. [] LBS STUD RAIL AT ONE TYPICAL COLUMN
2. [] LBS REBAR TOTAL IN BAY

PROJECT	SEI SE2050 Working Group	DATE	08/31/2020
TITLE	Embodied Carbon Intensity Plots	DRAWN BY	KRP
	Example Systems		
	System #2		

