18'x30' MASS TIMBER
POST-AND-BEAM OFFICE BAY

INCLUDED IN LCA:
(1)-BEAM #1, 24F-V4 (DF) - 8.75"x31.5" TO 10.25"x30"
CLT, V2 OR E1 (SPF) - 5-PLY (6.90") TO 7-PLY (7.56")
CONCRETE = 3,000 PSI, NORMALWEIGHT, 20-29% SCMs
WWR 6x6 W1.4xW1.4
(1) STEEL BEAM-COL CONNECTION - 125 LBS TO 200 LBS

NOTE: ITALICS INDICATES ITEMS WITH VARIABLE DESIGN BY DIFFERENT DESIGNERS.
Appendix: This is the sheet that was given to designers to design the bay

NOTES:

1. LOADING CRITERIA:
   SDL: 32 PSF (INCLUDES TOPPING WEIGHT)
   LL: 50 (R) + 15 PSF (NR - PARTITIONS)

2. GLB = GLULAM BEAM, GLC = GLULAM COLUMN,
   CLT = CROSS-LAMINATED TIMBER.
   USE COMMON GRADES (e.g. 24F-V4 DF/DF
   OR 24F-V5 SP/SP FOR GL, V2 FOR CLT)

3. FOR FIRE DESIGN, CONSIDER AS CONSTRUCTION
   TYPE III-A OR IV, UNPROTECTED.

ADDITIONAL DESIGN OUTPUT:

1. LBS STEEL CONNECTION
   WEIGHT AT TYP COL JOINT

PROJECT: SEI SE2050 Working Group  DATE: 08/12/2020
TITLE: Embodied Carbon Intensity Plots  DRAWN BY: MOK
Example Systems
System #3