

## Tips:

- About reading the program and drawing it accurately, reading comprehension. No extra credit for designed solutions.
- The vignette on the exam should be similar to the practice exam.
- Practice and become proficient and efficient with the software, and the behaviors of the objects.
- · Sketch lines are not graded

## **Site Zoning**

## Tips:

- Column and Joist solutions are simpler than bearing wall and linel
- Draw the right elements on the right level
- Columns support beams > beams support joists > joists support decking
- Maximum span for beams = 40'-0"
- Maximum span for joists = 30'-0

## Steps:

- 1. Turn on all layers to get an understanding of the space you are framing out. Observe dimension to gain an idea of spans, and identify areas with specialty conditions
- 2. Start on the lower floor first insert columns at corners, add additional columns as necessary based on advisable limits.
- 3. Draw continuous beams connecting the columns, this should be done in the "long" direction
- 4. Draw joists, typically in the short direction, verify spacing against program requirments
- 5. Draw decking perpendicular to the joists
- 6. Draw any additional beams supporting upper walls
- 7. Repeat for second level area, ensuring that all columns carry through to the first floor.
- 8. Verify design with program, and double check alignment and accuracy

Disclaimer: These steps have been assembled using best practices for the vignette section. They are not endorsed by NCARB, or do they guarantee a passing score. Use is at your own discretion.