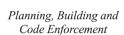
#16 – PLAN REVIEW NOTE

January 1, 2020

Trusses and Non-Bearing Walls



CAPITAL OF SILICON VALLEY

Direction to designers and contactors regarding the construction of non-bearing walls below roof or floor trusses.

CODE REFERENCE

2019 California Building Code (CBC) and 2016 California Residential Code (CRC)

FINDINGS

Roof and floor trusses shall not inadvertently load a non-structural wall, which may lead to increased loading on other floor members and/or cause unintended upward pressure on the trusses themselves. Roof and floor trusses are deemed to satisfy this requirement if they comply with any of the provisions listed below:

- 1. Roof trusses shall be cambered for the full dead load and the floor trusses shall be cambered for 1.5 times the dead load.
- 2. All the dead loads are in place (i.e. sheathing, roof tiles, floor gypcrete, floor tile, etc.) before the non-bearing walls are constructed.
- 3. A minimum gap of $\frac{3}{4}$ " for trusses up to 25 feet (L/400), or 1 $\frac{1}{2}$ " for trusses up to 50 feet, or as determined by structural calculations, is placed between the bottom chord of the truss and the top plate of the partition.

For options 1 or 2, when post tensioned slab on grade are used, the slab shall be designed with deflection criteria of L/1000 for the center lift. Other means of addressing this issue will be considered on a case-by-case basis.