

Figure 13 Floor Truss J1 – Common (See Figure 9)

Figure 13 provides design details for Truss J1, the common floor truss. The first truss in Figure 13 is designed exclusively with Southern Pine lumber, while the second

truss is designed exclusively with SPF. Note the SPF floor truss requires a double bottom chord in addition to significantly larger plates.

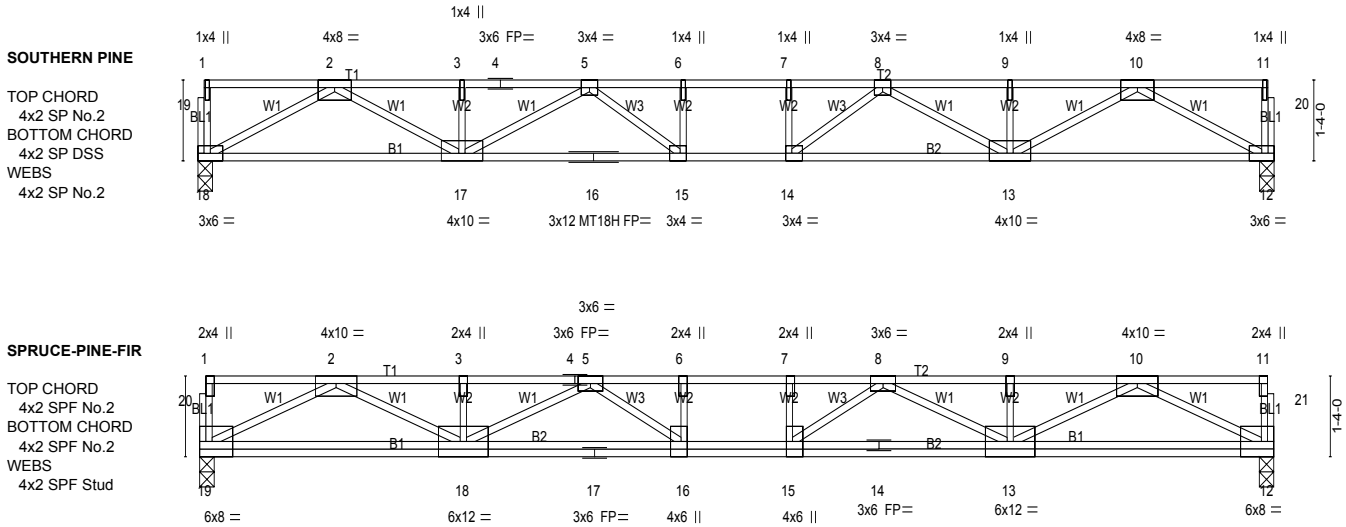


Figure 14 Floor Truss J1A – Girder Carrying a Heavy Concentrated Load (See Figure 9)

Figure 14 provides design details for Truss J1A, the girder floor truss carrying a heavy concentrated load. The first truss in Figure 14 is designed exclusively with Southern Pine lumber, while the second truss is designed exclusively with SPF. Note the SPF floor truss requires a double top

chord and triple bottom chord, as compared to a single top chord and double bottom chord for Southern Pine. In addition, Southern Pine's high strength and stiffness allows a chase opening which is not possible with the SPF truss. Finally, the SPF truss requires significantly larger plates.

