Loads Not Transferring from Beams to Supports Below

Software Version(s) Affected: Javelin® version 6.6 and newer

Users Affected: Anyone using Javelin software to design beams supported by members below.

What is Occurring: In rare cases, loads on beams are not being transferred to posts or walls located below the beam. This issue appears to be confined to beams that are supported by either posts or walls AND directly support a load bearing wall from the level above. Although the beams are designed for the appropriate loads, the loads are not transferred to the supports below. All known cases of this condition have occurred on the lowest level of the job, causing the posts and wall headers supporting the beam to not be designed.

What to Look For: If this condition occurs, (1) red flag symbols will be displayed in the Job Tree over the Level, Group, and Beam icons (*Image 1*) associated with the member, and (2) both the "Analyzer Issue" and "No Live Load Transfer" warnings will be displayed in the Design tree (*Image 2*) after completion of "Design Members" for the job. Additionally, (3) you will notice zero magnitude loads ("0.0") listed in the Properties grid (*Image 3*) when selecting the bearing symbol for the beam-to-post or beam-to-wall bearing.
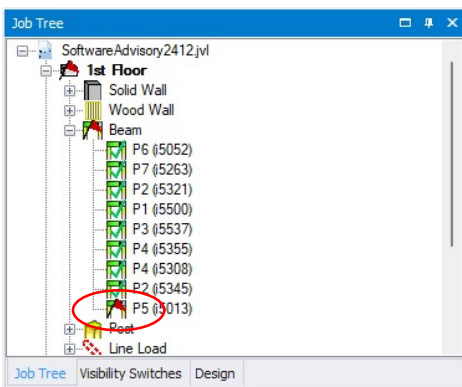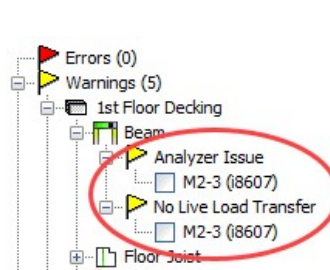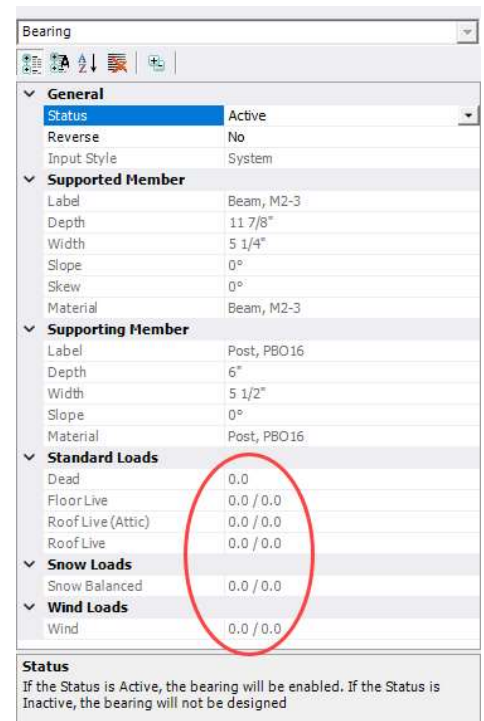
Image 1:

Image 2:

Image 3:

User Action: Once Load Distribution and Member Design is complete for a job, (1) check the Job Tree for red flag symbols displayed over Level, Group and Beam icons. When a red flag exists in the Job Tree for a beam, (2) check the Warnings for that level to confirm the Warning is for "Analyzer Issue" or "No Live Load Transfer". *If these warnings exist, contact the Software Support Team at software@wy.com or by calling 1.800.833.9491 for assistance with a workaround.*

What is Next: Weyerhaeuser's Software Development Team is working to fix the root cause of this issue. Javelin users should expect to see this defect fixed with the next release of Javelin software.

Contact Support: If you have any questions or concerns regarding this software advisory, please contact Weyerhaeuser Software Support at software@wy.com or by calling 1.800.833.9491.