



Hi Ryan.

Here are my answers (see also attached image):

- A. [Are the loads called out on B, also the point loads from the girders from the 3rd and roof levels?](#) No, the loads at every point correspond to the loads required by Jeff i.e. the loads transferred to the girder truss by the jack trusses. The intention was to give him the data he needs verify the feasibility of the solution.
- B. [Can we have a window under these 3rd and roof top truss girders?/can we have a window under these 2nd floor truss girders?](#) The load transferred by the jack trusses have an uplift action on the truss girder so yes, we can have a window under the girder truss.
- C. [Can we have a window under these 2nd floor truss girders?/can we have a window under these 3rd and roof top truss girders?](#) On the contrary, the loads transferred to the bearing wall (and to the corresponding trusses on the upper floors) will increase the vertical loads. Nevertheless, we can have a window at those places using a header.
- D. [Do we need a column here?](#) No, see B.
- E. [I had showed the precast engineer this layout, and he said it was okay, but I don't think he knew \(as I didn't either\) that the 3rd and roof levels have jack trusses as well. In that sense, there's a greater point load coming down on this.](#) No, the greater point load will come down on the bearing wall.

To summarize, the new structural scheme does not involve a major change in the load distribution. The loads that were taken by the cantilevers are transferred now to the bearing wall and the corresponding trusses on the upper floors (see orange line in the image).

I remain at your disposal for any further information.

Thanks.

El 20/1/20 a las 18:46, Ryan Schultz escribió:

Hi Luis,

A couple questions [here](#).

Thanks, Ryan