

Re: OX apartments. Loading plan.

**Subject:** Re: OX apartments. Loading plan.

**From:** Ana Ortega <ana.ortega@xcingenieria.com>

**Date:** 1/7/19 12:18

**To:** Grant Wolter <gwolter@reigstad.com>, Jacob Mygatt <Jacob.Mygatt@countymaterials.com>, "eric@royalbuilt.com" <eric@royalbuilt.com>, Ryan Schultz <ryan.schultz@openingdesign.com>, "l.pereztato@xcingenieria.com" <l.pereztato@xcingenieria.com>

Dear Grant,  
Please find attached loading plan updated with in plane lateral forces.  
Best wishes.

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Ana Ortega  
Senior Structural Engineer (ICCP).



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On 24/6/19 17:52, Grant Wolter wrote:

Ana,

The lateral loads we need are:

- In plane and out of plane loads (from earth pressure and wind loads) that you need to transfer to the basement walls from the precast diaphragm.
- Any chord forces you need the precast to handle. (if you are using steel in walls or topping than this does not apply.)

Thanks,



**Grant Wolter, P.E. (MN)**  
Structural Division, Project Engineer

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St. Paul, MN 55102  
c: 952.270.6691 | d: 651.292.3179  
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**From:** Ana Ortega <[ana.ortega@xcingenieria.com](mailto:ana.ortega@xcingenieria.com)>  
**Sent:** Monday, June 24, 2019 10:48 AM  
**To:** Grant Wolter <[gwolter@reigstad.com](mailto:gwolter@reigstad.com)>; Jacob Mygatt <[Jacob.Mygatt@countymaterials.com](mailto:Jacob.Mygatt@countymaterials.com)>;  
[eric@royalbuilt.com](mailto:eric@royalbuilt.com); Ryan Schultz <[ryan.schultz@openingdesign.com](mailto:ryan.schultz@openingdesign.com)>; [l.pereztato@xcingenieria.com](mailto:l.pereztato@xcingenieria.com)  
**Subject:** Re: OX apartments. Loading plan.

Good morning, Grant,

I'm not sure about the lateral loads you miss for your design (in the plan you sent as example only dead, live and snow loads were provided):

- Wind loads: the uplift and down lift loads transmitted by the shear walls were represented in the loading plan. Do you need also loads applied on the slab plane?.
- Earth pressure acting on basement wall.
- Seismic load.

Best wishes.

P.D. Please find attached document that contains the reference load values used to calculate the loads displayed in the plan.

On 24/6/19 14:54, Grant Wolter wrote:

Ana,

This should be enough for us to get most of the sizes figured out. All we are missing are the lateral loads.

Thanks,



**Grant Wolter**, P.E. (MN)  
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**From:** Ana Ortega <[ana.ortega@xcingenieria.com](mailto:ana.ortega@xcingenieria.com)>  
**Sent:** Friday, June 21, 2019 12:00 PM  
**To:** Grant Wolter <[gwolter@reigstad.com](mailto:gwolter@reigstad.com)>; Jacob Mygatt  
<[Jacob.Mygatt@countymaterials.com](mailto:Jacob.Mygatt@countymaterials.com)>; [eric@royalbuilt.com](mailto:eric@royalbuilt.com); Ryan Schultz  
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**Subject:** OX apartments. Loading plan.

Good afternoon,

Please find attached a plan including information about the loads acting on the precast elements corresponding to first and second floor (ramp area) of the «1750 OX Residences».

At your disposal for any further information.

Best wishes,

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Senior Structural Engineer (ICCP).



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— Attachments: —

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| 20190629 - CTR-Sheet - FLOOR PLAN -<br>LOADING_ON_PRECAST_PLANKS.pdf | 1,4 MB |
| 20190629 - CTR-Sheet - FLOOR PLAN -<br>LOADING_ON_PRECAST_PLANKS.dwg | 569 kB |