Subject: Re: Hollowcore Information
From: Luis C. Pérez Tato <l.pereztato@xcingenieria.com>
Date: 6/5/19, 12:03 PM
To: Ryan Schultz <ryan.schultz@openingdesign.com>
CC: Ana Ortega <ana.ortega@xcingenieria.com>

Hi. Thanks for the idea Ryan.

It's funny, a friend of mine sells a similar solution: https://piloedre.es

I think this can work (see attached file). If you're OK with this sketch, I will ask the supplier about its performance in our particular conditions.

Regards. Luis.

On 6/4/19 7:41 PM, Ryan Schultz wrote:

> Luis/Ana, maybe we can use these, if the back fill is packed enough...
>
> https://www.diamondpiers.com/
>
> Would allow us to avoid having to pour frost walls for those patios...to keep costs down.
>
> Thoughts?
>
> On Tue, Jun 4, 2019, 12:06 PM Luis C. Pérez Tato <l.pereztato@xcingenieria.com> wrote:
>
> > Hi Ryan/Grant.
> >
> > OK, we can remove the cantilevers and replace them with a treated lumber structure. A small foundation will be adequate but, according to the geotech. report, we must reach 5 feet (1.52 m) deep to avoid frost heaving.
> >
> > On the other hand, as the backfill of the basement walls will be non-frost susceptible, we can use this backfill to bear this foundation (the same solution can be used to underpin the concrete planks if desired)
> >
> > Thanks to you. Luis.
> >
> > On 6/4/19 4:26 PM, Ryan Schultz wrote:
> >
> > > That's a good enough rule of thumb. Thank you.
> > >
> > > Luis/Ana. Probably makes more sense to construct these 1st floor patios with treated lumber instead.
> > >
> > > Thanks Much, Ryan
> > >
> > > _____
> > >
> > > ryan schultz
> > > ryan.schultz@openingdesign.com
> > > 773.425.6456
> > > 316 w washington ave | #675
> > > madison, wisconsin 53703
> > >
> > > On Tue, Jun 4, 2019 at 8:36 AM Grant Wolter <gwolter@reigstad.com> wrote:
> > >
> > > > Ryan,
> > > >
> > > > I would need loading info to give you an exact max length for cantilevers. Typically anything beyond 4-5ft cantilevers is very difficult.

Thanks,

Grant Wolter, P.E. (MN)

Structural Division, Project Engineer

192 West 9th Street

St. Paul, MN 55102
c: 952.270.6691 | d: 651.292.3179

www.reigstad.com

Structural · Precast · Parking

From: Ryan Schultz <ryan.schultz@openingdesign.com>
Sent: Monday, June 3, 2019 3:19 PM
To: Grant Wolter <gwolter@reigstad.com>
Cc: Luis C. Pérez Tato <l.pereztato@xcingenieria.com>; Ana Ortega <ana.ortega@xcingenieria.com>; Jacob Mygatt <Jacob.Mygatt@countymaterials.com>; Regis Nde Tene <regisndetene@gmail.com>
Subject: Re: Hollowcore Information

Thanks Grant for sending this along.

Had a couple questions on the attached PDF.

Might be questions for Luis & Ana as well.

Thanks, Ryan

---

ryan schultz
ryan.schultz@openingdesign.com
773.425.6456
316 w washington ave | #675
madison, wisconsin 53703

On Mon, Jun 3, 2019 at 2:30 PM Grant Wolter <gwolter@reigstad.com> wrote:

> Luis,
>
> We primary work in Auto CAD (2D) format. The precast component sections and product types are per the precast manufacturing facilities casting form profiles and stressing limitations. Attached are some typical cross sections of precast beams, columns, and hollow core plank (Ultraspan) used by County Materials. Product sizes can not necessarily be picked from a chart. If you provide us with the loads that will be bearing on the precast we can help you with sizing.
>
> See attached for our comments on your questions.
>
> Please let me know if you have any other questions.
>
> Thanks,

16b1ee476 **Grant Wolter,** P.E. (MN)

Structural Division, Project Engineer

192 West 9th Street

St. Paul, MN 55102
c: 952.270.6691 | d: 651.292.3179

www.reigstad.com

Structural · Precast · Parking

From: Luis C. Pérez Tato <l.pereztato@xcingenieria.com>
Sent: Friday, May 31, 2019 11:09 AM
To: Jacob Mygatt <Jacob.Mygatt@countymaterials.com>
Cc: Ryan Schultz <ryan.schultz@openingdesign.com>; Ana Ortega <ana.ortega@xcingenieria.com>; Grant Wolter <gwolter@reigstad.com>
Subject: Re: Hollowcore Information

Good morning.

Thanks again for your message. In the following lines I will try to explain how we plan to use your products so that you can give us your feedback.

In the link above you can download the following files:

- 201905015-CTR.pdf: architectural plans of the building (to put into context the following sketches).
- precast_structure_plan_view.pdf: layout of the precast structure.
- precast_structure_beam_sketches.pdf: design intent for the precast beams.

https://we.tl/t-OByneqBx6y

To advance in our design we would like to have:

- A «detailing manual» to select the components based on its capacities, fire resistance, ...
- Your remarks about the sketches, in particular about the feasibility of the beams that allows us to change the elevation (+0.36 to +0.00 m) of the precast panels.
- BIM (IFC or revit) models of your products, if available.

I am at your disposal for any clarifications.

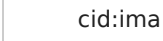
Kind regards.

On 5/28/19 9:15 PM, Jacob Mygatt wrote:

> Luis,

Good afternoon. I am one of the Sales Reps for our Hollowcore division and would love to schedule a time to chat with you. Where are you located? I think it would be great if we could sit down and chat through our products and how we can best serve you moving forward. Please feel free to reach out to me with any questions that you might have.

Thank you,



Jake Mygatt

Prestress Sales

http://www.countymater

1203 70th Ave Roberts, WI 54023

Jacob.mygatt@countymaterials.com

(612) 961-2734 (Cell)

(877) 805-7591 (Toll free fax)

www.countymaterials.com

--

Luis C. Pérez Tato
Senior Structural Engineer (ICCP).

http://www.xcenginee

http://www.xcengineering.xyz/

+34610562637

Calle Apolonio Morales, 6 - Local L.
28036 Madrid.
Spain

--

Luis C. Pérez Tato
Senior Structural Engineer (ICCP).

http://www.xcenginee

http://www.xcengineering.xyz/

+34610562637

Calle Apolonio Morales, 6 - Local L.
28036 Madrid.
Spain

--

Luis C. Pérez Tato

Senior Structural Engineer (ICCP).

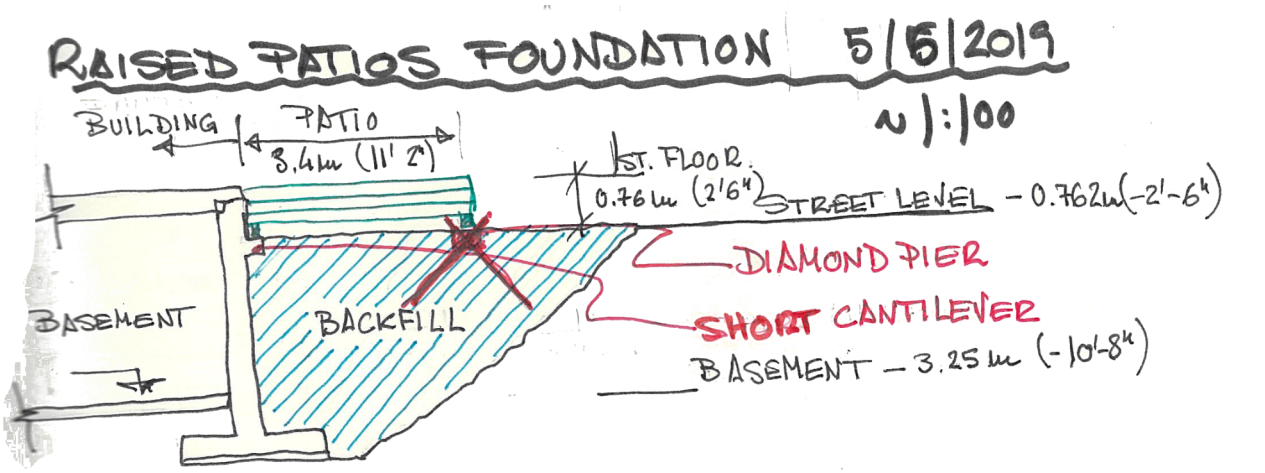
INGENIERÍA ESTRUCTURAL

http://www.xcengineering.xyz/

+34610562637

Calle Apolonio Morales, 6 - Local L.
28036 Madrid.
Spain

patios_foundation.png



Attachments:

patios_foundation.png 1.0 MB