

Subject: RE: Shear Wall holddown connection
From: Grant Wolter <gwolter@reigstad.com>
Date: 30/12/2019, 15:53
To: Luis C. Pérez Tato <l.pereztato@xcingenieria.com>
CC: 'Ana Ortega' <ana.ortega@xcingenieria.com>, Ryan Schultz <ryan.schultz@openingdesign.com>

Luis,

Attached is a sketch of what I was picturing for this connection. I am guessing the wall is already poured so we will need to use anchor bolts or epoxied anchors. Let me know if you have any questions.

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
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From: Luis C. Pérez Tato <l.pereztato@xcingenieria.com>
Sent: Friday, December 27, 2019 7:24 AM
To: Grant Wolter <gwolter@reigstad.com>
Cc: 'Ana Ortega' <ana.ortega@xcingenieria.com>; Ryan Schultz <ryan.schultz@openingdesign.com>
Subject: Re: Shear Wall holddown connection

Grant.

OK, we'll design that plate. Could you send a sketch showing your idea?

Thanks to you.

Luis C. Pérez Tato
Senior Structural Engineer ([ICCP](#)).



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On 26/12/2019 14:14, Grant Wolter wrote:

Luis,

If that is the case the dead load of the plank will not be enough to resist uplift from the holddown. If we provide an embed plate in the bottom of this plank on both ends could you design a plate for the wall to hold it down? I am making that piece a solid slab which will have an end reaction dead load of 8 kips. That will leave us with 5.3 kips of uplift needing to be resisted by a connection to the wall.

Thanks,



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From: Luis C. Pérez Tato <l.pereztato@xcingenieria.com>

Sent: Tuesday, December 24, 2019 4:48 AM

To: Grant Wolter <gwolter@reigstad.com>

Cc: 'Ana Ortega' <ana.ortega@xcingenieria.com>; Ryan Schultz

<ryan.schultz@openingdesign.com>

Subject: Re: Shear Wall holddown connection

Hi Grant.

My intention is to fix it to the planks, if I'm not mistaken, the space over the wall itself will be occupied by the ordinary studs of the facade wall and the four hold down studs of the shear wall itself, therefore the anchor needs to be fixed to the plank.

I remain at your disposal for any further information on this subject.

Kind regards.

Luis C. Pérez Tato
Senior Structural Engineer ([ICCP](#)).



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On 23/12/2019 15:05, Grant Wolter wrote:

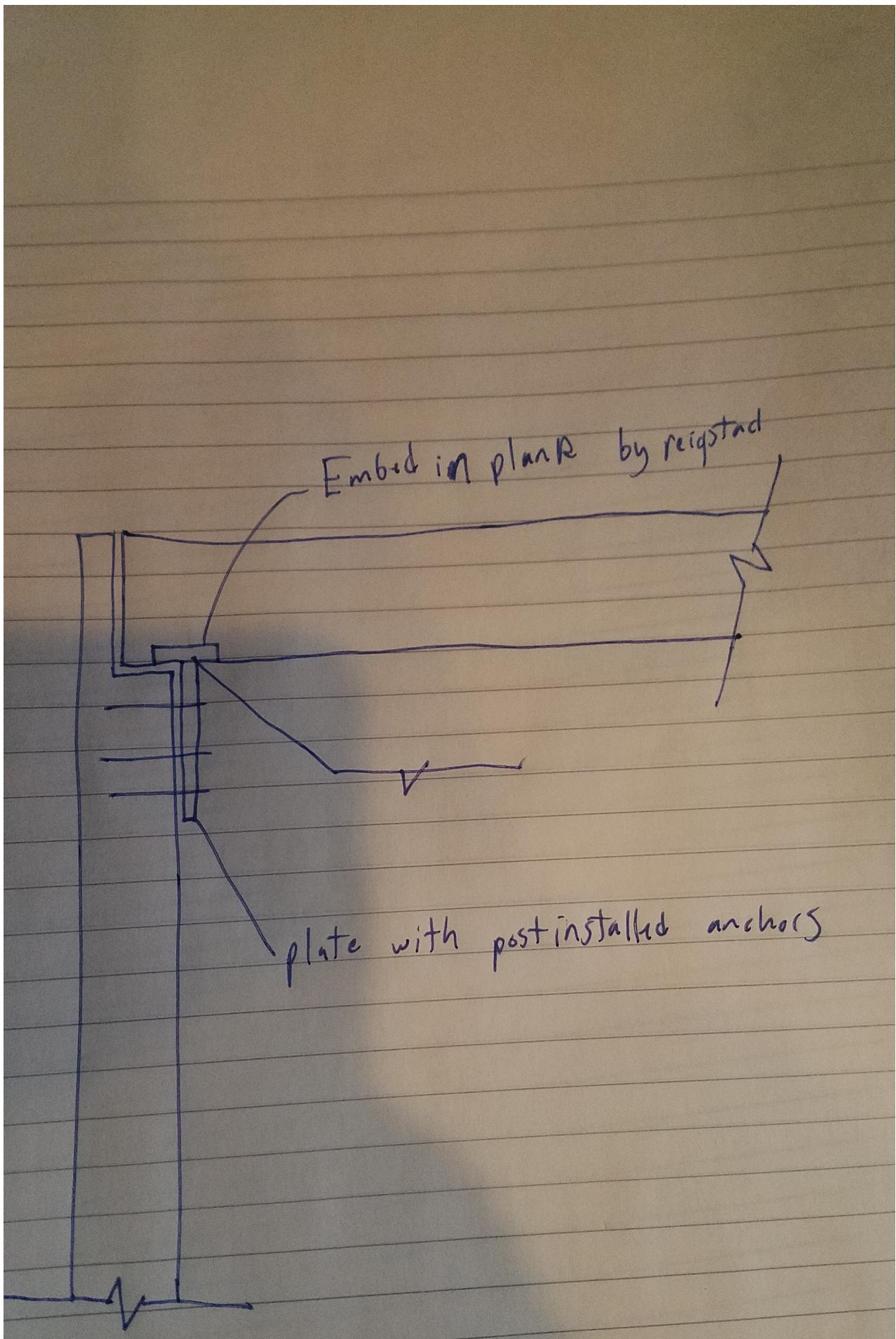
Luis,

What is your plan for the shear wall at Grid 1, 0-A.1(See attached)? You have large uplift and no detail for how it will attach. Will you be anchoring your holddown directly into the wall or attaching to our plank first? If you attach the holddown to our plank we will need to tie it down to the walls to prevent uplift.



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—Attachments:

20191230_084809.jpg

3.1 MB