

From: [Kristina Held](#)
To: [Grace Wolff](#)
Subject: FW: The Cannery - Trash
Date: Tuesday, February 13, 2024 1:44:41 PM
Attachments: [image001.png](#)
[image002.png](#)

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Kristina Held

AIA, LEED AP BD+C, CPHC

Principal



1307 West Morehead Street, Suite 108

Charlotte, NC 28208

o: (704) 344-0445 | c: (704) 905-3160

www.insightarch.com

From: Ryan McCormick <ryan@west-pak.com>

Sent: Monday, February 12, 2024 2:33 PM

To: Kristina Held <kheld@insightarch.com>

Subject: Re: The Cannery - Trash

Sorry getting back to you so late. Yes I personally talked to Marc and he likes the equipment and layout.

West-Pak Equipment

Ryan McCormick

(503) 867-4730

ryan@west-pak.com

On Feb 6, 2024, at 6:16 AM, Kristina Held <kheld@insightarch.com> wrote:

Ryan,

Have you discussed with Marc Wironen, Republic Services?

Just checking,

Thanks,

Kristina

Kristina Held

AIA, LEED AP BD+C, CPHC

Principal



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From: Ryan McCormick <ryan@west-pak.com>

Sent: Monday, February 5, 2024 8:56 PM

To: Kristina Held <kheld@insightarch.com>

Cc: Trent Michels <tmichels@thefund.works>

Subject: Re: The Cannery - Trash

Hello Kristina,

We have reviewed the recycling/ trash room that WESSCO sent you, plus discussed with the hauler. The room layout will work and we can supply the same equipment.

Please let us know what else we can do to help you out.

West-Pak Equipment

Ryan McCormick

(503) 867-4730

ryan@west-pak.com

On Feb 5, 2024, at 11:05 AM, Kristina Held <kheld@insightarch.com> wrote:

Hi Ryan,

Have you been able to work on the trash compactor layouts for us yet?

Thanks,

Kristina

Kristina Held

AIA, LEED AP BD+C, CPHC

Principal

<image001.png>

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From: Kristina Held
Sent: Thursday, January 25, 2024 3:35 PM
To: ryan@west-pak.com
Cc: Trent Michels <tmichels@thefund.works>
Subject: The Cannery - Trash



[DRAWINGS](#)

Hi Ryan,

Thanks for returning my call!
As we discussed, I am attaching all the drawings in PDF and the CAD files showing the trash rooms.

We currently show only bins.
Let me know if you need anything else.
Look forward working with you,
Kristina

Kristina Held

AIA, LEED AP BD+C, CPHC
Principal
<image002.png>

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From: [Wironen, Marc](#)
To: [Kristina Held](#); [Tyler Roth](#)
Cc: [Trent Michels](#); [Sorensen, Heather](#); [Grace Wolff](#); [Apoorva Sethuraman](#)
Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf
Date: Wednesday, January 24, 2024 2:57:09 PM
Attachments: [image005.png](#)


Kristina,

Yes on your last question and per our phone discussion earlier this morning. I'm pretty certain this e-mail will suffice, but let me know if you need something specific for land use submittal. As I indicated on the phone, we don't see any "show stoppers" with the design and plan thus far, we are good to move forward. I really appreciate the time and effort answering questions and confirming certain items for us. Enclosure size, overhead obstacles, container sizes, turning radius of our trucks, approach and exit have been discussed and addressed.

I will be in touch soon regarding your latest questions around compactor styles and models.

Thank you,

Marc Wironen
Operations Supervisor


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Sustainability in Action

From: Kristina Held <kheld@insightarch.com>
Sent: Wednesday, January 24, 2024 11:09 AM
To: Wironen, Marc <MWironen@republicservices.com>; Tyler Roth <rotht@aks-eng.com>
Cc: Trent Michels <tmichels@thefund.works>; Sorensen, Heather <HSorensen@republicservices.com>; Grace Wolff <wolffg@aks-eng.com>; Apoorva Sethuraman <asethuraman@insightarch.com>
Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

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Marc,

Will you also email us an approval email for the design so far that we can use for the Land Use submittal?

Thank you!

Kristina

Kristina Held

AIA, LEED AP BD+C, CPHC

Principal



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From: Wironen, Marc <MWironen@republicservices.com>

Sent: Wednesday, January 24, 2024 2:05 PM

To: Kristina Held <kheld@insightarch.com>; Tyler Roth <rotht@aks-eng.com>

Cc: Trent Michels <tmichels@thefund.works>; Sorensen, Heather <HSorensen@republicservices.com>; Grace Wolff <wolffg@aks-eng.com>; Apoorva Sethuraman <asethuraman@insightarch.com>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Hello,

Nice speaking with you on the phone earlier and yes, please don't change drawings at this point as you mentioned. I'm far from a compactor expert and want to confide with some folks on our end to make sure we are good.

Thank you,

Marc Wironen

Operations Supervisor



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Sustainability in Action

From: Kristina Held <kheld@insightarch.com>

Sent: Wednesday, January 24, 2024 9:53 AM

To: Wironen, Marc <MWironen@republicservices.com>; Tyler Roth <rotht@aks-eng.com>

Cc: Trent Michels <tmichels@thefund.works>; Sorensen, Heather <HSorensen@republicservices.com>; Grace Wolff <wolffg@aks-eng.com>; Apoorva Sethuraman <asethuraman@insightarch.com>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

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Hi Marc,

We now have all trash rooms laid out with trash compactors. I think before we change our drawings, we would need to know if you think the trash compactor option will work better for you than the Individual bins. Please also note that we revised the doors to the trash rooms to a 12' wide and 8' high roll up door to give better access.

Please see attached drawings of the 2 models being recommended.

The CS-.75 has a $\frac{3}{4}$ cu. yard charge chamber and is a great option for a mix of residential and retail waste.

The CV-02 vertical compactor model is a great option for waste coming out of small commercial kitchens with higher liquid content.

Feel free to give me a call on my cell.

Look forward speaking with you,
Kristina

Kristina Held

AIA, LEED AP BD+C, CPHC

Principal



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From: Kristina Held
Sent: Tuesday, January 23, 2024 1:54 PM
To: Wironen, Marc <MWironen@republicservices.com>; Tyler Roth <rotht@aks-eng.com>
Cc: Trent Michels <tmichels@thefund.works>; Sorensen, Heather <HSorensen@republicservices.com>; Grace Wolff <wolffg@aks-eng.com>
Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Thank you very much!

Kristina Held

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From: Wironen, Marc <MWironen@republicservices.com>
Sent: Tuesday, January 23, 2024 1:51 PM
To: Kristina Held <kheld@insightarch.com>; Tyler Roth <rotht@aks-eng.com>
Cc: Trent Michels <tmichels@thefund.works>; Sorensen, Heather <HSorensen@republicservices.com>; Grace Wolff <wolffg@aks-eng.com>
Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Good morning and will do!

I haven't had a chance yet this morning, but will have some time after 11:30 meeting.

Thanks,

Marc Wironen

Operations Supervisor



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Sustainability in Action

From: Kristina Held <kheld@insightarch.com>
Sent: Tuesday, January 23, 2024 8:50 AM
To: Tyler Roth <rotht@aks-eng.com>; Wironen, Marc <MWironen@republicservices.com>
Cc: Trent Michels <tmichels@thefund.works>; Sorensen, Heather <HSorensen@republicservices.com>; Grace Wolff <wolffg@aks-eng.com>
Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

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Marc,

Please see attached the trash room layout by Wessco. If you think that this layout is more favorable than just the bins, we can work on layouts for all three buildings and food hall like this. If you have some time, please review, and I will try and give you a call a little bit later.

Thank you!
Kristina

Kristina Held

AIA, LEED AP BD+C, CPHC

Principal



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From: Kristina Held
Sent: Friday, January 19, 2024 9:55 AM
To: Tyler Roth <rotht@aks-eng.com>; Wironen, Marc <MWironen@republicservices.com>
Cc: Trent Michels <tmichels@thefund.works>; Sorensen, Heather <HSorensen@republicservices.com>; Grace Wolff <wolffg@aks-eng.com>
Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Hi Marc,

We have not contacted any of the compactor companies yet, but we are in the process and will let you know. Our thoughts were if it would work with the bins, we have one solution that works for now, and then we can improve on it with compactors once we get more information from the companies and compare sizes and services.

We do have room to move the trash bins to the middle of the isle and then wheel it out. I think what we thought was that the apartment complex concierge would roll the bins out on to the alley for

pick up in the alley. So the drivers wouldn't have to do any of the maneuvering. Everything is flat and there are no overhead obstructions on the street.

Some of the bins are allocated for the commercial spaces on front street.

The recycling would be comingled because we offer only one bin.

Regarding Building 3, we have more room in the middle of the trash room. I attached the floor plan again, so you can see they all fit with a clear front approach. They would also have to be rolled out to the alley for pick up.

Please let me know if I can answer any more questions or concerns.
Feel free to give me a call on my cell phone at (704) -905-3160.

Thank you!

Kristina Held

AIA, LEED AP BD+C, CPHC

Principal



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From: Tyler Roth <rotht@aks-eng.com>

Sent: Thursday, January 18, 2024 5:59 PM

To: Wironen, Marc <MWironen@republicservices.com>

Cc: Trent Michels <tmichels@thefund.works>; Sorensen, Heather <HSorensen@republicservices.com>; Grace Wolff <wolffg@aks-eng.com>; Kristina Held <kheld@insightarch.com>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Good afternoon Marc,

I'll let Kristina weigh in on the containers and compactor coordination or building related comments but attached is an updated site plan that is the latest and greatest with the food hall waste serving area identified. I thought this would clarify all the locations your vehicles will need to reach.

Additionally, as you enter each building, there is a second story that would be over the receptacles but for buildings 1-3 I believe the plan is that your trucks would be parked in the alley or accessway. In those areas there are not any planned overhead constraints you'd need to be aware of at this time.

Grading is generally flat for each of the locations so I don't think that is a concern that we need to address or be worried about at this time.

Thanks,

Tyler D. Roth, PE

Senior Associate

AKS ENGINEERING & FORESTRY, LLC

P: 503.400.6028 Ext. 419 | www.aks-eng.com | rotht@aks-eng.com

From: Wironen, Marc <MWironen@republicservices.com>

Sent: Thursday, January 18, 2024 12:37 PM

To: Tyler Roth <rotht@aks-eng.com>; Kristina Held <kheld@insightarch.com>

Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>; Grace Wolff <wolffg@aks-eng.com>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Good morning,

I've reviewed the attached plans / layouts for each building and have some clarifying questions...

My first thought was/is that's a lot of 4-yard front load dumpsters!! Any luck or word regarding compactors as a possibility?

I realize we can adjust and tweak things, I mostly want to make sure I'm tracking with what I'm seeing and revisit a few things.

Buildings 1 & 2

I'm seeing EIGHT 4-yard dumpsters total, 6 trash and 2 recycle. (Each Building) Were you thinking cardboard and/or comingle with respect to recycle?

Tough to tell from plans, but I'm hoping we have plenty of room to move containers around on wheels for servicing within the enclosures...it appears pretty tight, and we technically could have 3 different trucks servicing one enclosure based on commodity. So, our ability for each driver to maneuver the dumpster they are servicing is one concern.

On that note, is it "flat" or sloped entrance into the enclosures? 4 yards on wheels full of trash can get very heavy, just thinking of our approach driving in, servicing, and then exiting. I believe we covered this during our initial meeting, but we try very hard to avoid backing our trucks as much as possible...serious safety concern.

I did not notice any over-head obstructions but wanted to ensure there's nothing planned over-head to impact our ability to raise and dump containers.

Building 3

For this building I'm seeing FIVE 4-yard trash and ONE 4 yard recycle...enclosure appears smaller and

on other side of building...same questions cross my mind when looking at plans.

In closing, I appreciate your patience as things have been a bit hectic...overall I don't see anything glaring, just wanted some clarification. We can always adjust sizes, service days, frequency of service...I'm not too concerned with those items once we go live. It is clear all will need wheels as we've discussed...inventory also crossed my mind as 22 dumpsters at one location or site is not all that common.

Thank you!

Marc Wironen
Operations Supervisor



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Sustainability in Action

From: Tyler Roth <rotht@aks-eng.com>
Sent: Monday, January 15, 2024 3:16 PM
To: Wironen, Marc <MWironen@republicservices.com>; Kristina Held <kheld@insightarch.com>
Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>; Grace Wolff <wolffg@aks-eng.com>
Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

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Good afternoon Marc,
I hope you're doing well and I'm sure that it is even more hectic on your end right now with the snow, but I wanted to check in with you on if you had any questions our team can help address. We will need confirmation from Republic Services that they have reviewed the development plan and agree with the approach to service the site.

Thanks in advance!

Tyler D. Roth, PE

Senior Associate

AKS ENGINEERING & FORESTRY, LLC

P: 503.400.6028 Ext. 419 | www.aks-eng.com | rotht@aks-eng.com

From: Wironen, Marc <MWironen@republicservices.com>

Sent: Monday, January 8, 2024 11:34 AM

To: Kristina Held <kheld@insightarch.com>; Tyler Roth <rotht@aks-eng.com>

Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Good morning and Happy New Year!

I wanted to touch base regarding this, I have looked at your attachments, however, not in great detail to this point. I do have a few questions and plan to have those off here very soon.

Please don't hesitate to reach out anytime, things have been a bit hectic with holidays and year end / new year.

Thank you,

Marc Wironen

Operations Supervisor



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Sustainability in Action

From: Kristina Held <kheld@insightarch.com>

Sent: Thursday, January 4, 2024 11:44 AM

To: Tyler Roth <rotht@aks-eng.com>; Wironen, Marc <MWironen@republicservices.com>

Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

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You have not previously corresponded with this sender.

Hello Marc and Heather,

Please see attached the floor plans for the three buildings with the 4 yard roll out trash bins placed. Could you please review and let us know if this works for you. If this works, we would need a written confirmation from you for our Land Use submittal.

Thank you, and don't hesitate to contact me if you have any questions.

Kristina

Kristina Held

AIA, LEED AP BD+C, CPHC

Principal



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From: Tyler Roth <rotht@aks-eng.com>

Sent: Wednesday, December 27, 2023 3:36 PM

To: Wironen, Marc <MWironen@republicservices.com>; Kristina Held <kheld@insightarch.com>

Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Thanks Marc.

Tyler D. Roth, PE

AKS ENGINEERING & FORESTRY, LLC

P: 503.400.6028 Ext. 419 | www.aks-eng.com | rotht@aks-eng.com

From: Wironen, Marc <MWironen@republicservices.com>

Sent: Wednesday, December 27, 2023 9:54 AM

To: Tyler Roth <rotht@aks-eng.com>; Kristina Held <kheld@insightarch.com>

Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Good morning,

Thanks for the follow up, here are some contacts/companies I know of...

Wastequip (Tangent, OR.), Wesco, Compaction recycling, & West Pak (Salem, OR.)

Merry Christmas to you and Happy New Year!

Marc Wironen

Operations Supervisor



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Sustainability in Action

From: Tyler Roth <rotht@aks-eng.com>

Sent: Tuesday, December 26, 2023 10:34 AM

To: Wironen, Marc <MWironen@republicservices.com>; Kristina Held <kheld@insightarch.com>

Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

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Good morning Mark,

Just checking in on this. Can you provide some local contacts we can reach out to?

Thanks!

Tyler D. Roth, PE

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P: 503.400.6028 Ext. 419 | www.aks-eng.com | rotht@aks-eng.com

From: Tyler Roth

Sent: Friday, December 15, 2023 2:52 PM

To: Wironen, Marc <MWironen@republicservices.com>; Kristina Held <kheld@insightarch.com>

Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Marc,

Thanks for the detailed feedback it is extremely helpful! Please do share some local contacts you know for the compactors so we can start coordinating with them.

Thank you,

Tyler D. Roth, PE

AKS ENGINEERING & FORESTRY, LLC

P: 503.400.6028 Ext. 419 | www.aks-eng.com | rotht@aks-eng.com

From: Wironen, Marc <MWironen@republicservices.com>

Sent: Thursday, December 14, 2023 11:56 AM

To: Tyler Roth <rotht@aks-eng.com>; Kristina Held <kheld@insightarch.com>

Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Good morning,

In terms of “units,” here are the calculations I put together...

Building I – 138 Units = SIX 4 yard containers 1x/week, or THREE 4 yards 2x/week.

Building II – 116 Units = FIVE 4 yard containers 1x/week, or possibly smaller 3 yard containers 2x/week.

Building III – 119 Units = Essentially same calculation as Building II.

In terms of units/apartment complexes, we use calculations based off unit/family waste production in a week. Some of this obviously gets tweaked depending on the situation, but the numbers get us real close!

Recycle is a bit different...we offer 90 gal recycle carts as well as cardboard/comingle containers/dumpsters. For a facility such as this, my best guess would be cardboard and comingle dumpsters in same locations as trash...VERY LIKELY needing fewer per location for cardboard and comingle recycle items.

The retail portion of the project would depend heavily on “type” of retail. For example, a furniture store or a shoe store would typically produce a lot of cardboard recycle. The trash is different as well since we’re not dealing with living units and families. Another “key” component is many retail locations share depending on building, location & set-up. It is common for 1 enclosure to house containers for multiple retailers.

I do think compactors would be an option. We haul larger ones on our roll-off trucks which would be ideal, however, it appears we wouldn’t have the space on site for those types of compactors and our roll-off trucks. They do make smaller compactors that may be a better option, for example, 2 and 3

yards. In situations where space is tight and they are on wheels to move around for servicing, we go smaller because of weight.

You may already be doing this on your end, but let me know if you need any resources/companies to source compactor options.

Thank you,

Marc Wironen
Operations Supervisor

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Sustainability in Action

From: Wironen, Marc
Sent: Monday, December 11, 2023 12:56 PM
To: Tyler Roth <rotht@aks-eng.com>; Kristina Held <kheld@insightarch.com>
Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>
Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Good afternoon,

Short answer is not to this point, my apologies for delay in response. Heather is out on PTO this week and next, I'll have time to review information tomorrow morning.

Thanks for the follow up and communication.

Marc Wironen
Operations Supervisor

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Sustainability in Action

From: Tyler Roth <rotht@aks-eng.com>
Sent: Monday, December 11, 2023 11:57 AM
To: Kristina Held <kheld@insightarch.com>; Wironen, Marc <MWironen@republicservices.com>
Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>
Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

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Good morning Mark/Heather,
We are moving full steam ahead on the site layout and building concepts, so I wanted to check in with your team to see if you've had a chance to run the numbers based on the unit counts below?

We look forward to hearing from you.

Thanks,

Tyler D. Roth, PE

AKS ENGINEERING & FORESTRY, LLC

P: 503.400.6028 Ext. 419 | www.aks-eng.com | rotht@aks-eng.com

From: Tyler Roth
Sent: Wednesday, December 6, 2023 8:28 AM
To: Kristina Held <kheld@insightarch.com>; Wironen, Marc <MWironen@republicservices.com>
Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>
Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Good morning Mark/Heather,
We are meeting with the City this morning to discuss the site plan and then are hoping to move full steam ahead once we get their buy off on the site layout and building concepts, so I wanted to check in with your team to see if you've had a chance to run the numbers based on the unit counts below?

We look forward to hearing from you.

Thanks,

Tyler D. Roth, PE

AKS ENGINEERING & FORESTRY, LLC

From: Kristina Held <kheld@insightarch.com>

Sent: Friday, December 1, 2023 10:52 AM

To: Tyler Roth <rotht@aks-eng.com>; Wironen, Marc <MWironen@republicservices.com>

Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels

<tmichels@thefund.works>

Subject: RE: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

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Hello Marc and Heather,

I am sorry I missed the meeting yesterday!

I do have the breakdown per building:

From the north:

Building I: 138 units + 10,700 sf of retail

Building II: 116 units + 8,8000 sf or retail

Building III: 119 units + 7,000 sf of retail

I also have a couple of questions for you:

- Could you please share the dimensions of a typical 4 yard trash bin?
Will you be able to tell us how many of those we will need per building?
- What are the recyclable item requirements?
- Would a trash compactor be an option at this location?

Thank you!

Kristina

Kristina Held

AIA, LEED AP BD+C, CPHC

Principal



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From: Tyler Roth <rotht@aks-eng.com>

Sent: Thursday, November 30, 2023 3:01 PM

To: Wironen, Marc <MWironen@republicservices.com>

Cc: Sorensen, Heather <HSorensen@republicservices.com>; Trent Michels <tmichels@thefund.works>; Kristina Held <kheld@insightarch.com>
Subject: 5968-01 20231122 CIRCULATION EXHIBIT.pdf

Marc / Heather,

Thank you for joining our call this morning. It is extremely helpful to step through our circulation plans and plan to handle waste on a site like this! I've attached our site plan as it stands at the moment for your review and feedback. Unit count right now is approximately 373 units overall. Kristina (cc'd) is the project architect and can provide a current breakdown for each building if that is helpful for your calculation.

Per our discussion, the plan is to have doors that would open to the sides of the building that receptacles would be rolled out of similar to how the Vancouver Waterfront functions. If you have any questions or need any clarification please let us know. We look forward to working with you further on the project.

Thanks,

Tyler Roth, PE



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