

Innovative Multi-Family Design & the Pandemic Influence

Webinar featuring
Kendra Halliwell, AIA | ICON Architecture
Rebecca Hatfield | Avesta Housing
James Petersen | Petersen Engineering

June 23 ■ 4 - 5 PM



NEW HAMPSHIRE
HOUSING



Part 2 of a 2-part series

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KENDRA HALLIWELL, AIA

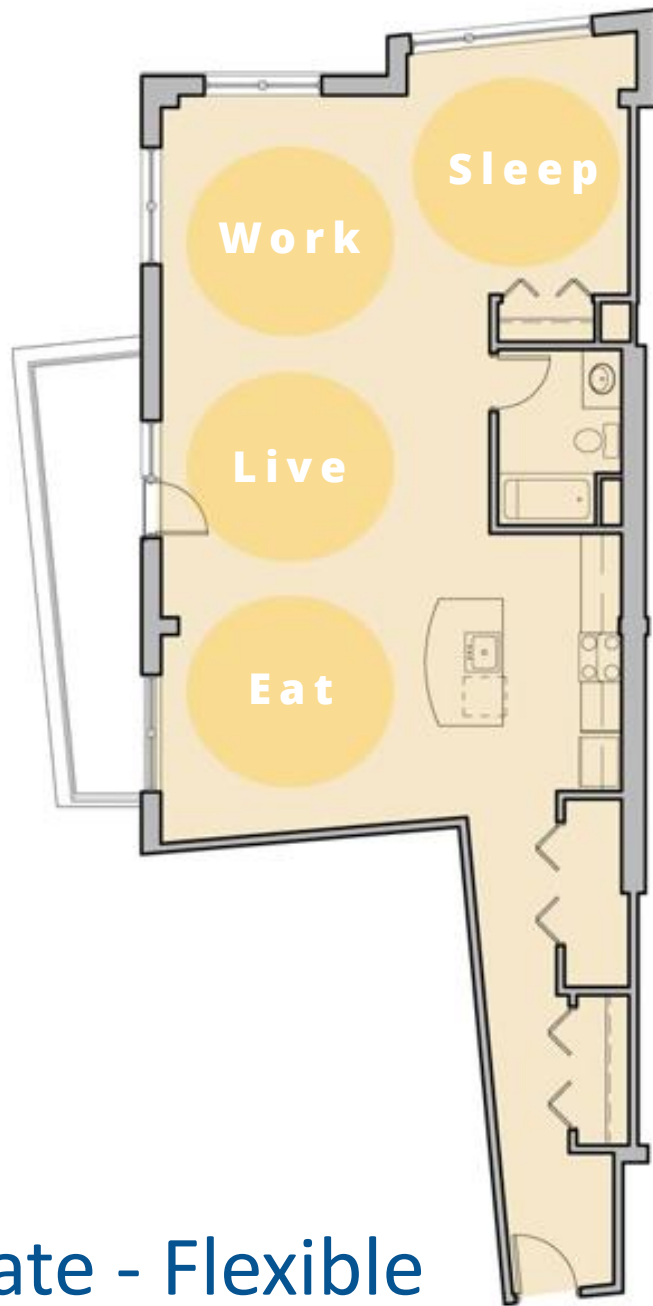
ICON Architecture



Post Covid – Architectural Design

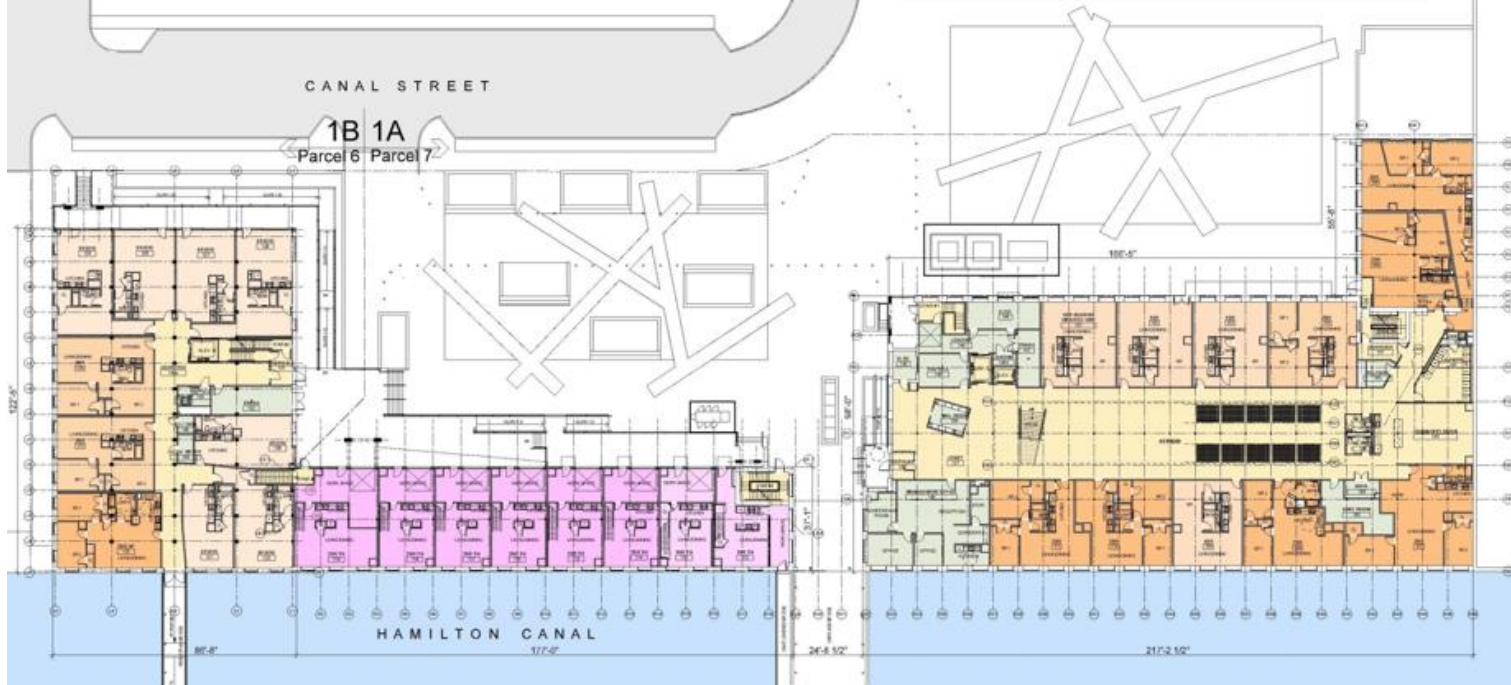
- Private Space
- Shared Space
- Outdoor Space



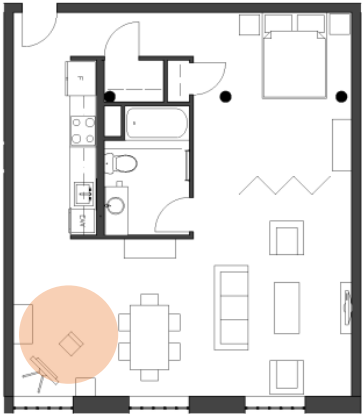


Private - Flexible

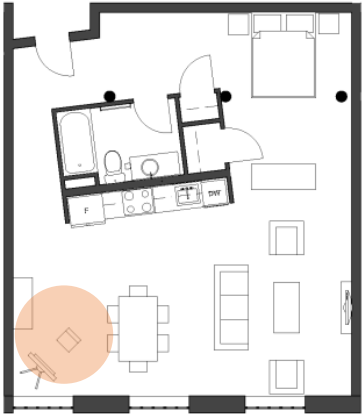
Private – Indoor/Outdoor



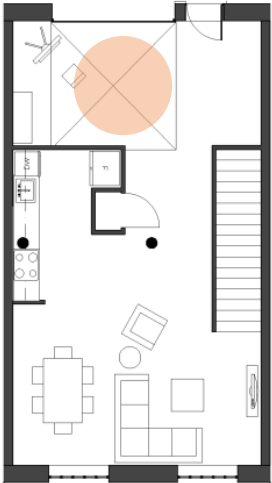
Private – Flexible Use



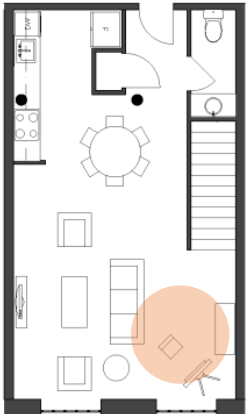
1 BEDROOM FLAT 3/16"=1'-0"



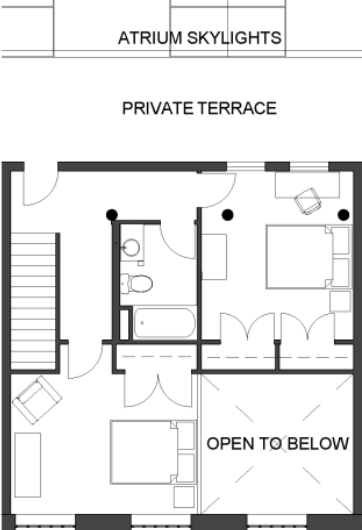
1 BEDROOM FLAT
OPTIONAL 3/16"=1'-0"



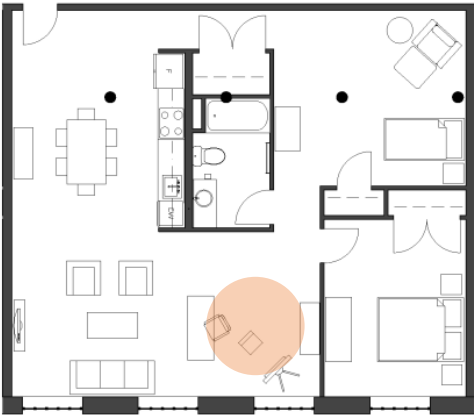
LIVE/SELL
Upper Floor 3/16"=1'-0"



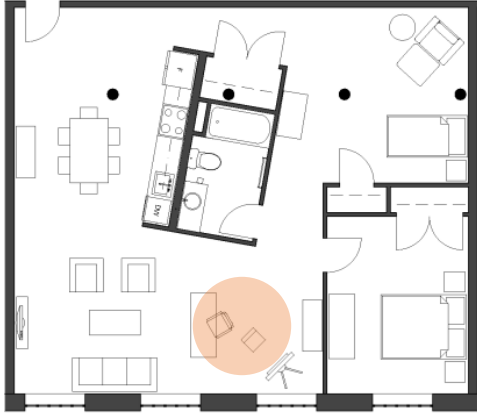
TOWNHOUSE
Upper Floor 3/16"=1'-0"



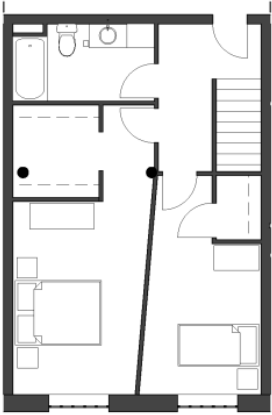
UPPER LEVEL TOWNHOUSE
Upper Floor 3/16"=1'-0"



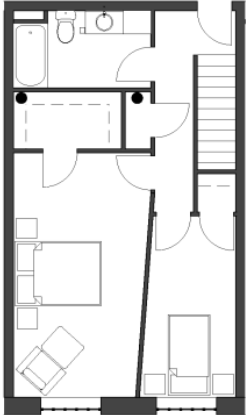
2 BEDROOM FLAT 3/16"=1'-0"



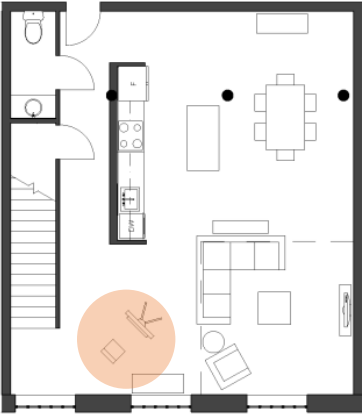
2 BEDROOM FLAT
OPTIONAL 3/16"=1'-0"



LIVE/SELL
Lower Floor 3/16"=1'-0"

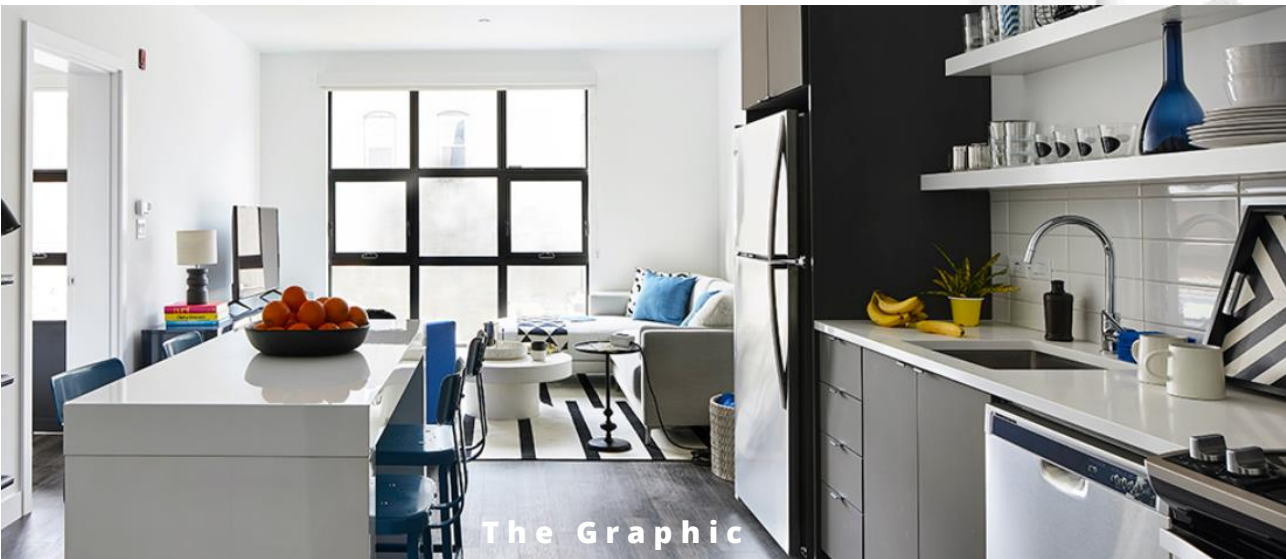
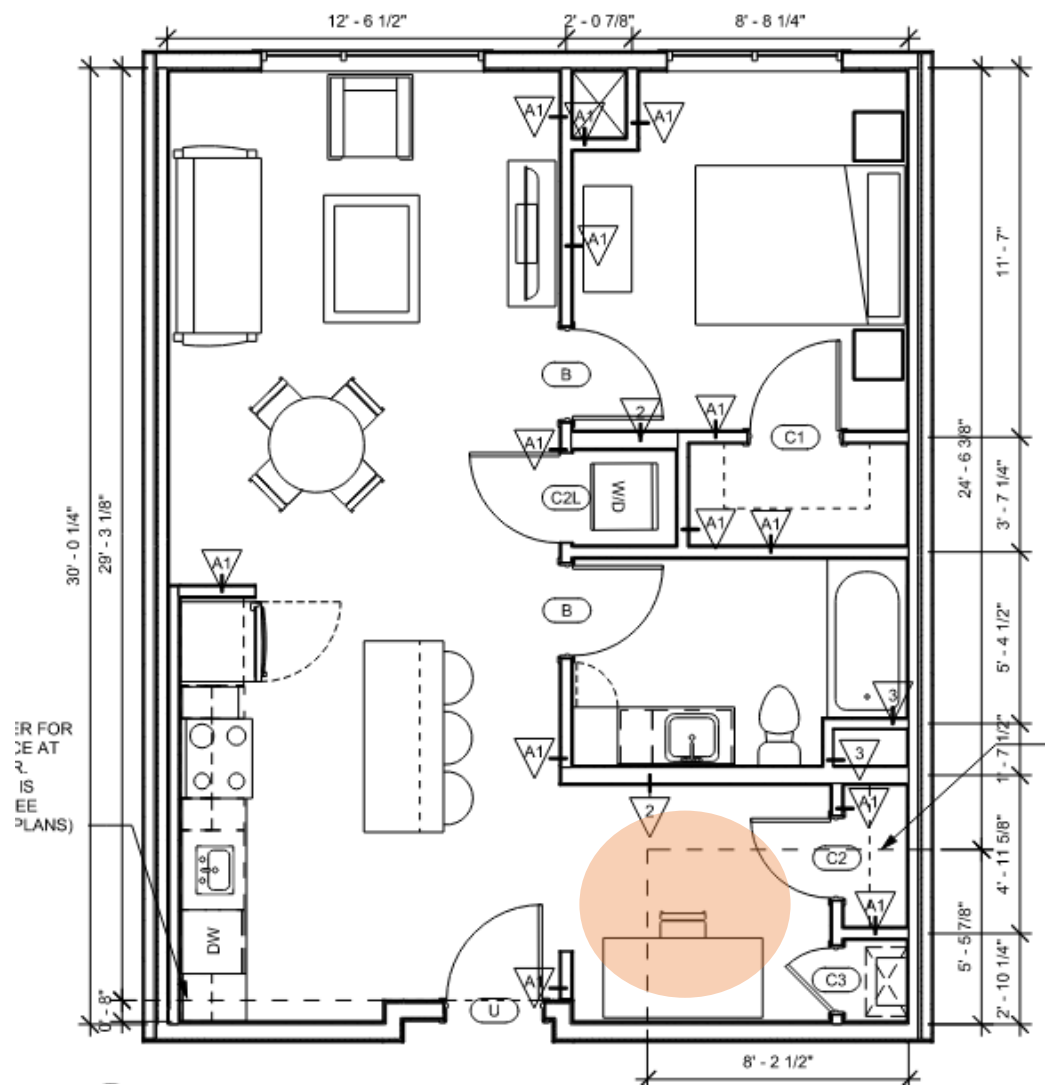


TOWNHOUSE
Lower Floor 3/16"=1'-0"



LOWER LEVEL TOWNHOUSE
Lower Floor 3/16"=1'-0"

Work Space



Common Space



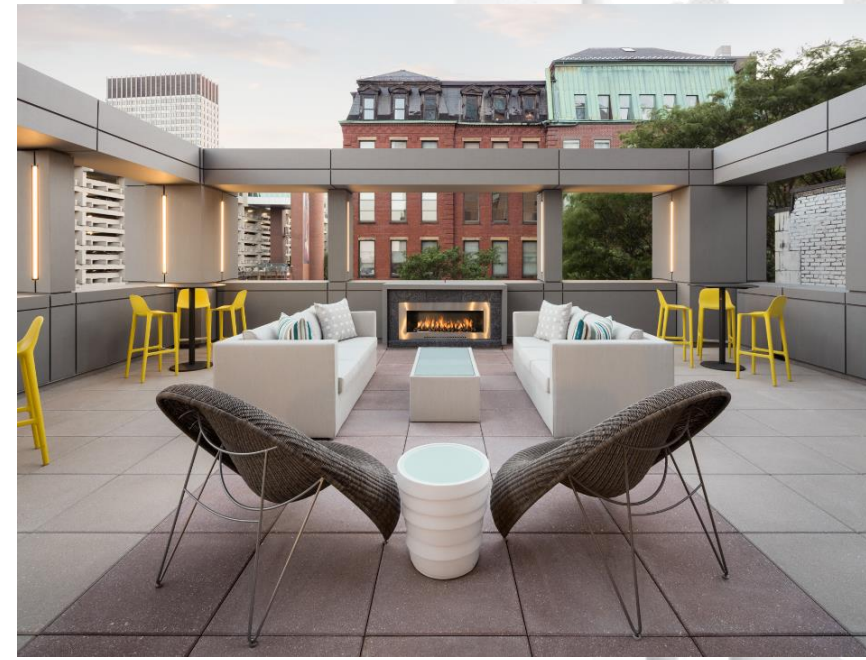
- RESIDENT COORDINATOR & TENANT ORGANIZATION OFFICES
- ROOF DECK
- COMMUNITY ROOM WITH KITCHEN
- LOUNGE
- LAUNDRY ROOM



6TH FLOOR



Outdoor Space



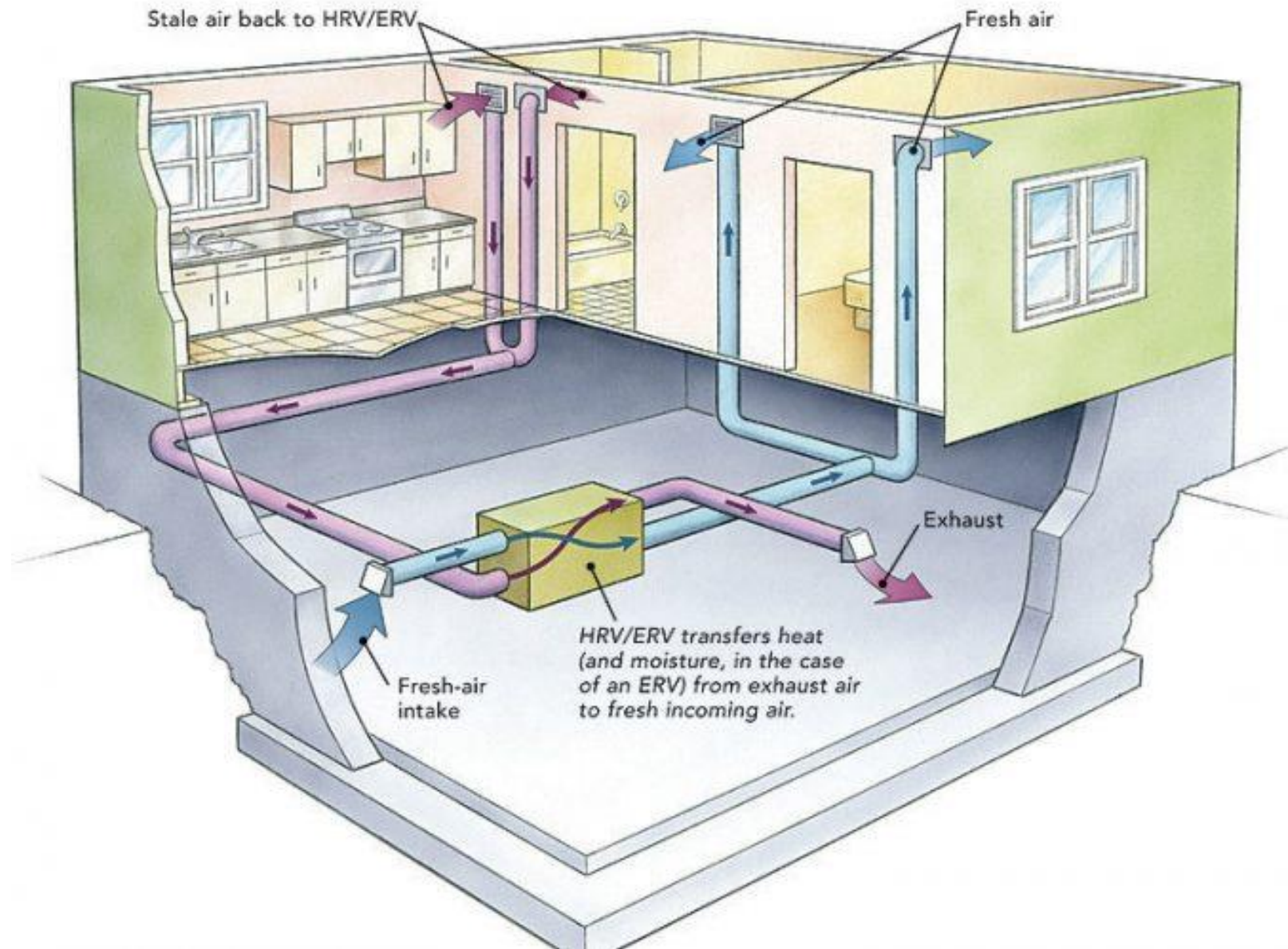
Q&A



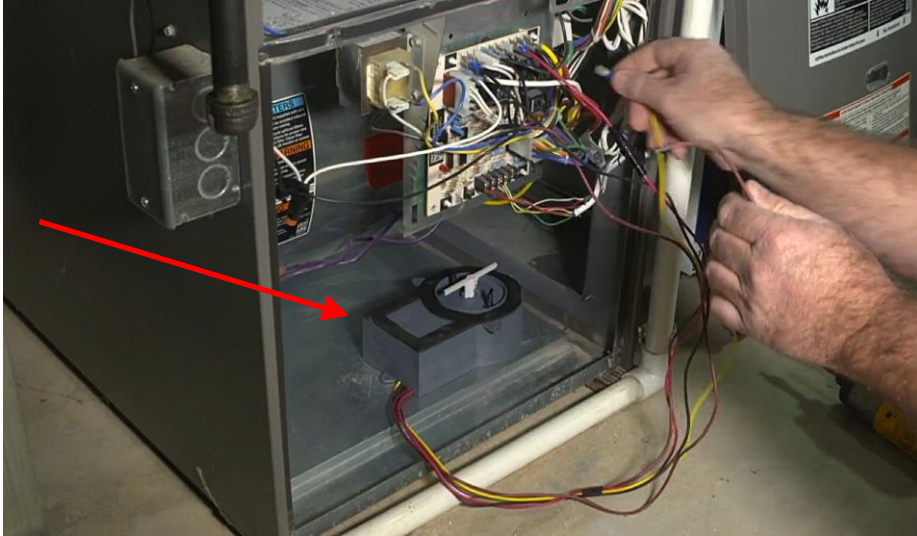
JAMES PETERSEN, PE

Petersen Engineering



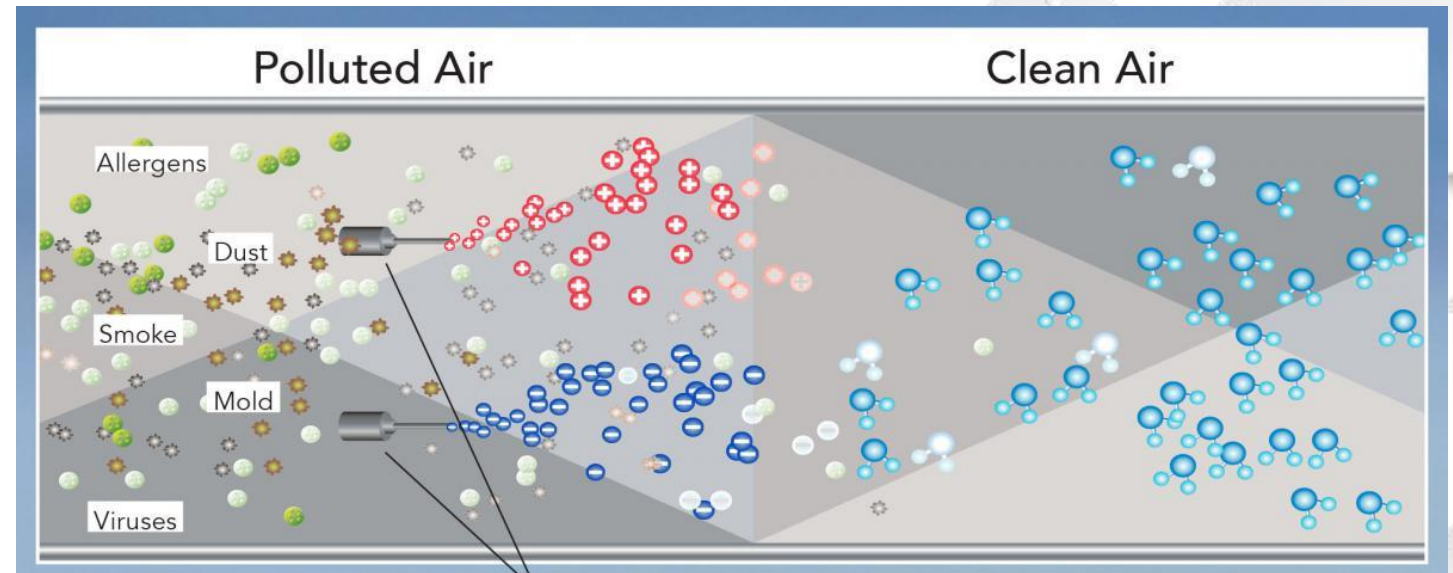


WHAT DOESN'T WORK - IONIZATION



“In the absence of regulation and with presently very little peer-reviewed research, significant questions remain regarding effectiveness and the potential impacts on human health.”

- Dr. Marwa Zaatari, Dr. Marcel Harmon (2021). <https://medium.com/open-letter-to-address-the-use-of-electronic-air/no-to-ionizers-plasma-uvpco-bc1570b2fb9b>



WHAT DOES WORK - FILTRATION

MERV 13 Filtration



Portable HEPA Filter



FILTER COMPARISON



The MERV 6 rating and below are not recommended for allergy and asthma sufferers, use a higher MERV rating.



Mold Spores
Pet Dander
Dust/Lint
Pollen
Dust Mites
Fine Dust
Auto Emissions
Cooking Smoke
Cigarette Smoke
Bacteria
Virus
Ultra Fine Dust
Odors



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Q&A



REBECCA HATFIELD

Avesta Housing

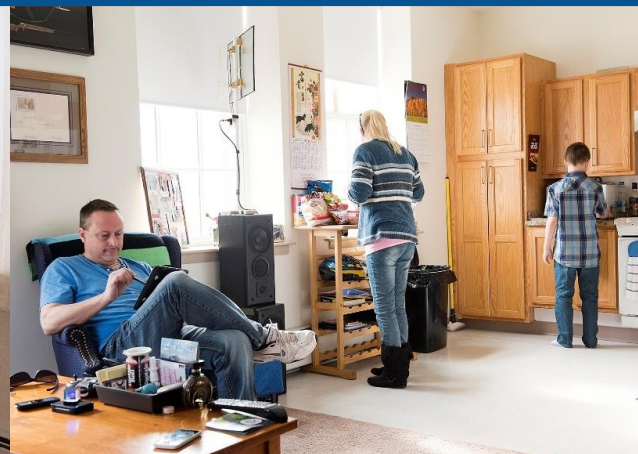
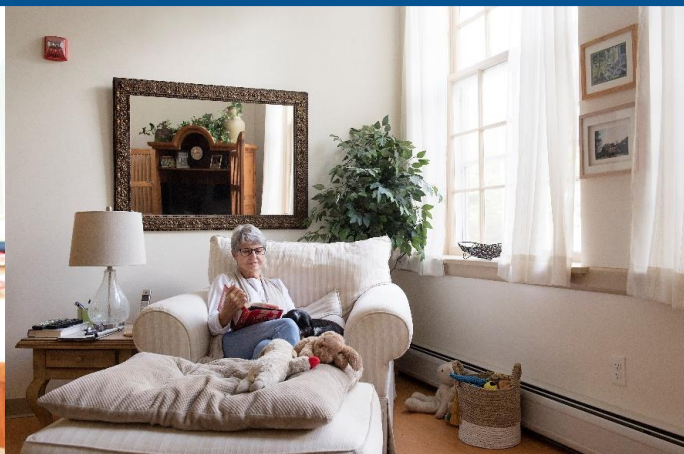


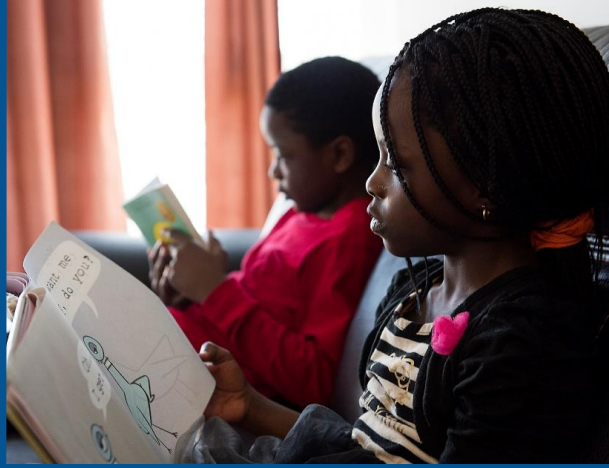
POST-PANDEMIC MULTI-FAMILY HOUSING DESIGN





How much do we **change** based on **one year**?





A home is...
more than just a home.



Trends

- Online connectivity
- Remote work for lower-wage/entry level jobs
- Deliveries, deliveries, deliveries!
- Outside gatherings all year round
- Communications



Trends

- Online connectivity
- Remote work for lower-wage/entry level jobs
- Deliveries, deliveries, deliveries!
- Outside gatherings all year round
- Communications



Features

- Building-wide broadband
- Multifunctional or flex spaces
- All season outdoor gathering areas
- Building access and communications
- Large, secure mail / package room
- Loading / unloading parking space



Q&A



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