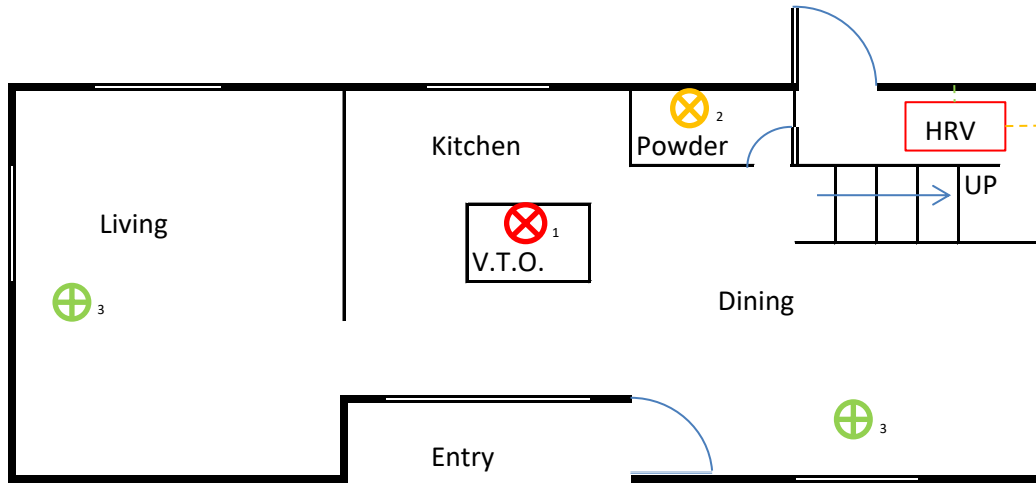


HRV duct connection sketch

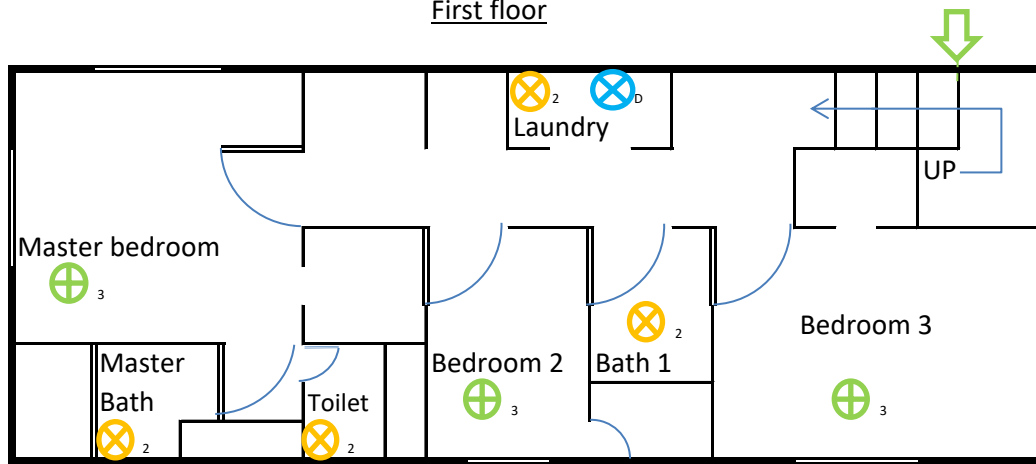
Duct diameter	
Supply, From outdoor to HRV	5" Round
Supply, From HRV to bldg.	6" Round
Exhaust, From bldg. to HRV	6" Round
Exhaust, HRV to outdoor	5" Round
Drain conn, HRV to drain	2-1/2"
Filters, F1 & F2	Merv 8



Continuously operating local exhaust and whole house ventilation using Heat Recovery Ventilator(HRV) (SRC M1505.4.4 and M1505.4.1.4)

HRV equipment schedule	
Make	Lifebreath
Model	155 Max
Air flow Min.	60 CFM, @0.1"
Air flow Max.	148 CFM, @0.1"
# of air flow setting	5 steps

First floor



Supply and exhaust air grills			
	CFM	Operation	Grill type
⊗ _k	100 Min.	Intermittent Kitchen	Exhaust
⊗ ₂	20	Continuous	Exhaust
⊕ ₃	20	Continuous	Supply
⊗ _d	Per Mfr	Intermittent Cloth dryer	Exhaust

Second floor

Ventilation notes:

1. Local exhaust ventilation air flow rate is based on continuous operation per SRC table M1505.4.4 or SMT table 403.3.
2. Whole house ventilation is provided via Heat Recovery Ventilator(HRV) that operates continuously, per SRC table M1505.4.3(1),(2),(3) or SMC table 403.8
3. Exhaust outlet location shall be per SRC section R303.5.2.
4. Fresh outdoor air intake location shall be per SRC section R303.5.1 and M1507.3.7.3.
5. The HRV shall operate continuously at a speed to provide min. exhaust rate 100 CFM and min fresh outdoor air supply rate 60 CFM.
6. Kitchen range exhaust and dryer exhaust are ducted and vented separately from HRV.