The following are the specifications, installation and operation requirements for the whole house ventilation system per M1505 of the NYS 2020 Residential code.

The proposed system uses a Honeywell heat recovery ventilator (HRV) model HNT5150H1000 (see specification sheet attached). Using 6" ductwork and reducing adapters, the system is to be installed per the manufacturer's installation instructions and ducted per page 15 of the installation manual (see attached). The house stale air exhaust is to be located per the 1st floor plan.

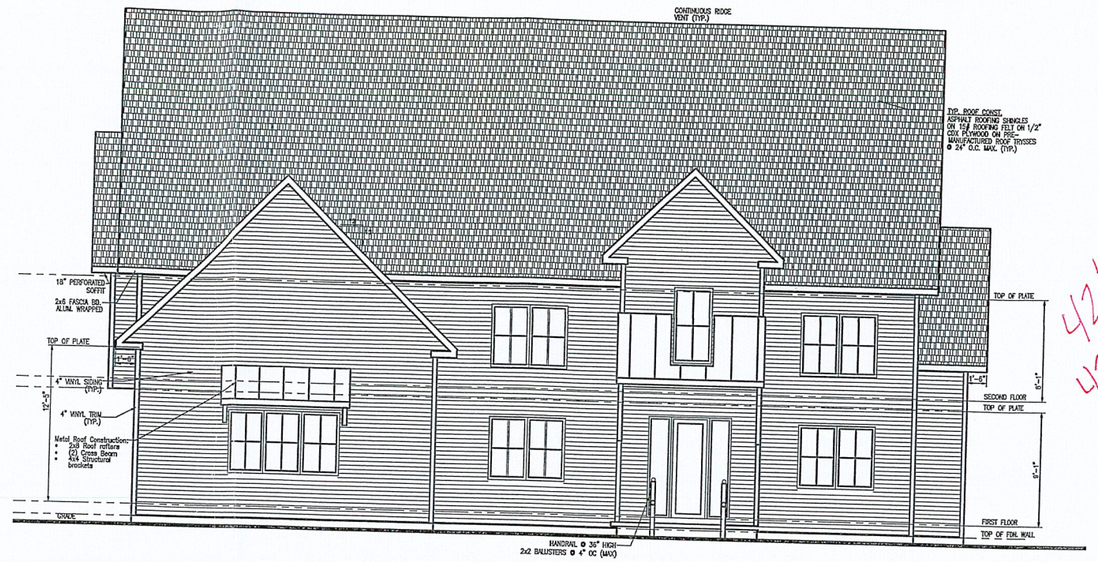
The proposed equipment exceeds section R403.6.1 of the NYS 2020 Residential Energy Conservation code, being better than the required 1.4 cfm/W required efficacy and has a shut off switch.

The dwelling is a (4) bedroom, per M1505.4.3 of the 2020 residential code, the required minimum fresh air rate is 66 cfm.

The system is to be operated in the "continuous" mode, setup and balanced for the required minimum fresh air flow.

4 / A5 Whole House Ventilation System Spec

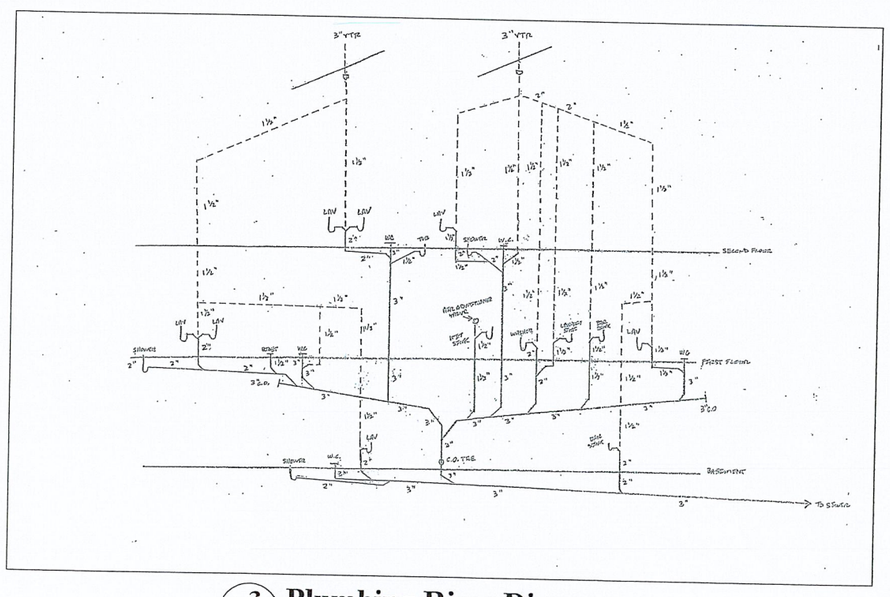
Scale: NTS



1 / A5 Front Elevation

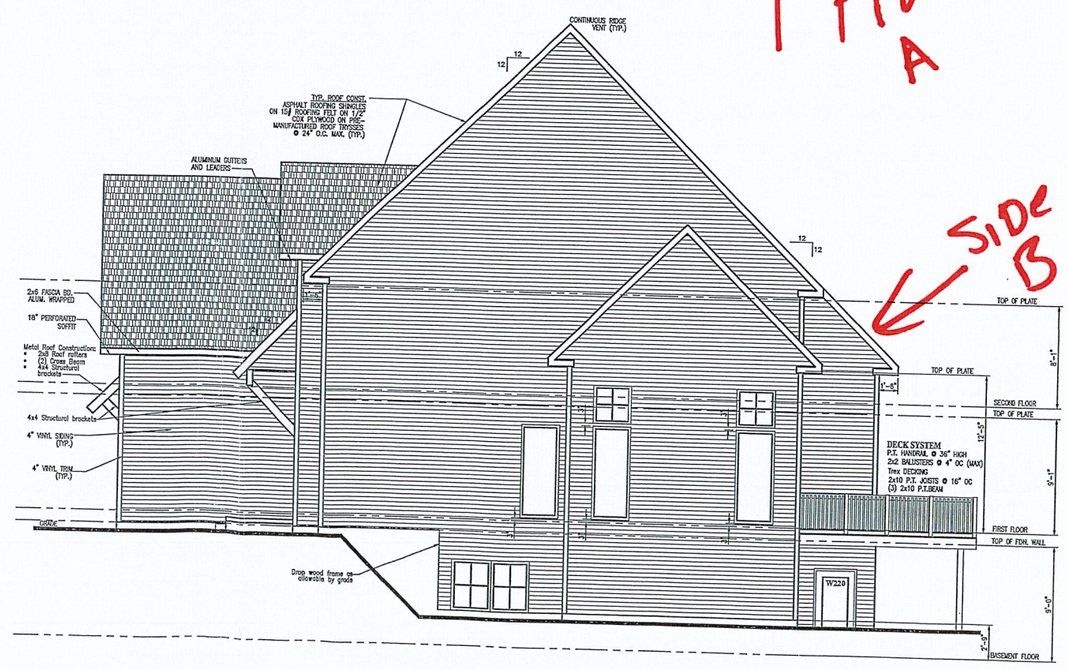
Scale: 3/16"=1'-0"

Front A



3 / A5 Plumbing Riser Diagram

Scale: NTS



Side B

2 / A5 Right Side Elevation

Scale: 3/16"=1'-0"

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Rieger Homes
Ian Rieger's House

Lot #1
Anchorage-on-the-Hudson
Town of Newburgh

Elevations

REVISIONS

DATE
12/18/2023

PROJECT NUMBER
11-04-EH

SHEET NUMBER
A5