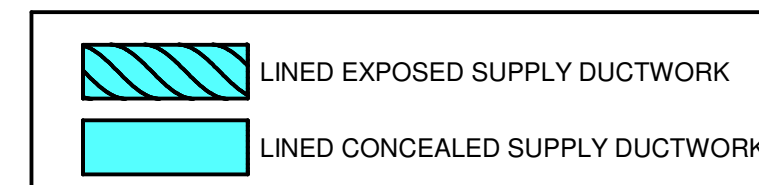
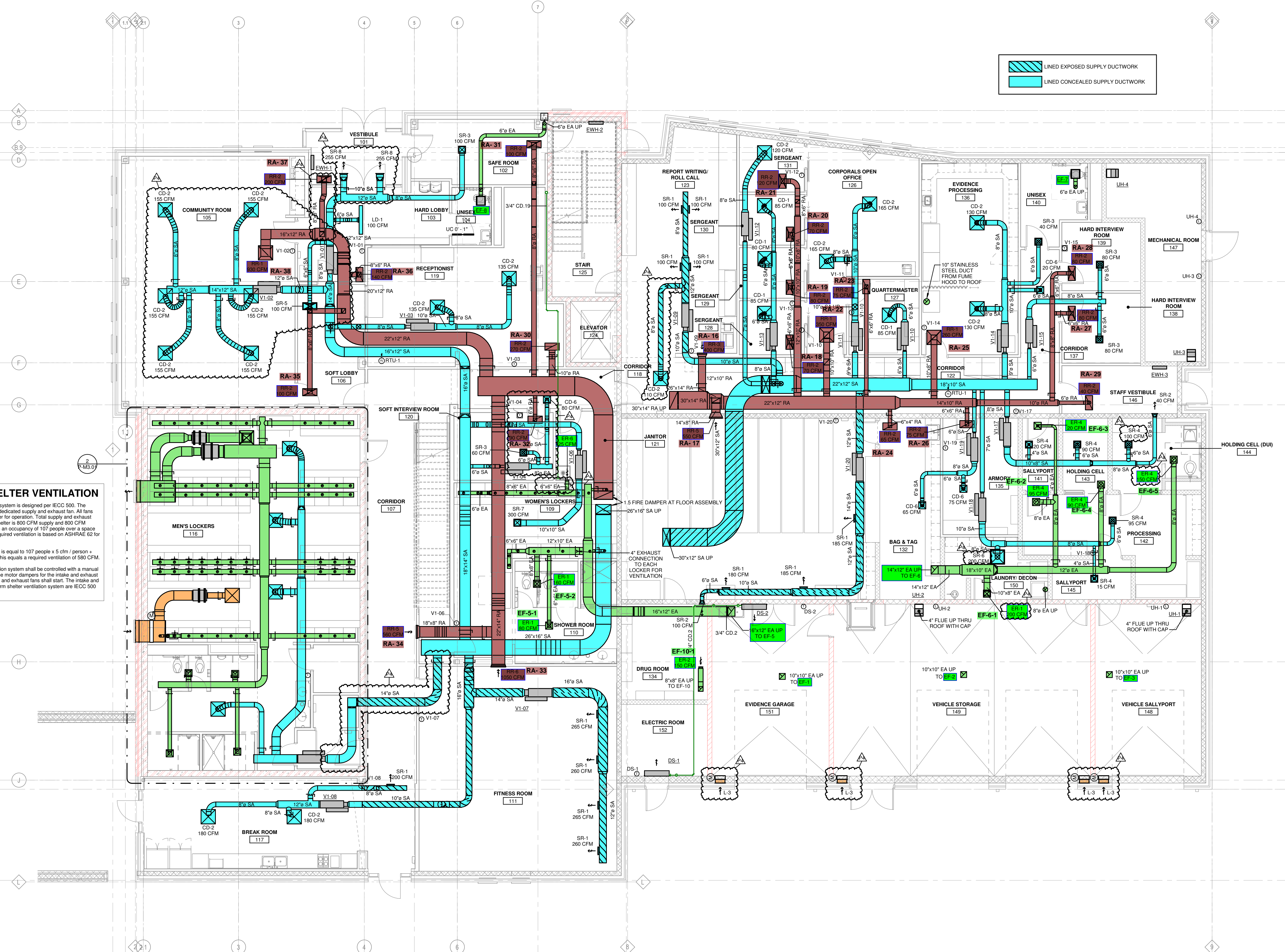


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STORM SHELTER VENTILATION

The storm shelter HVAC system is designed per IECC 500. The means of ventilation is a dedicated supply and exhaust fan. All fans are powered by an inverter for operation. Total supply and exhaust ventilation to the storm shelter is 800 CFM supply and 800 CFM exhaust. This is based on an occupancy of 107 people over a space area of 742 sq.ft. The required ventilation is based on ASHRAE 62 for similar occupancy.

The calculated ventilation is equal to 107 people x 5 cfm / person = 742 sq.ft. x 0.06 cfm/sf. This equals a required ventilation of 590 CFM.

The storm shelter ventilation system shall be controlled with a manual switch. Upon activation the motor dampers for the intake and exhaust shall open and the supply and exhaust fans shall start. The intake and exhaust louvers for the storm shelter ventilation system are IECC 500 rated.

MECHANICAL PLAN - LEVEL 1

3/16" = 1'-0"

2" REFERENCE LINE
KLH PROJECT #: 25019.01
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P2	01/09/2024	ADDENDUM P2
P3	02/28/2024	PERMIT REV
P4	02/29/2024	BULLETIN P1

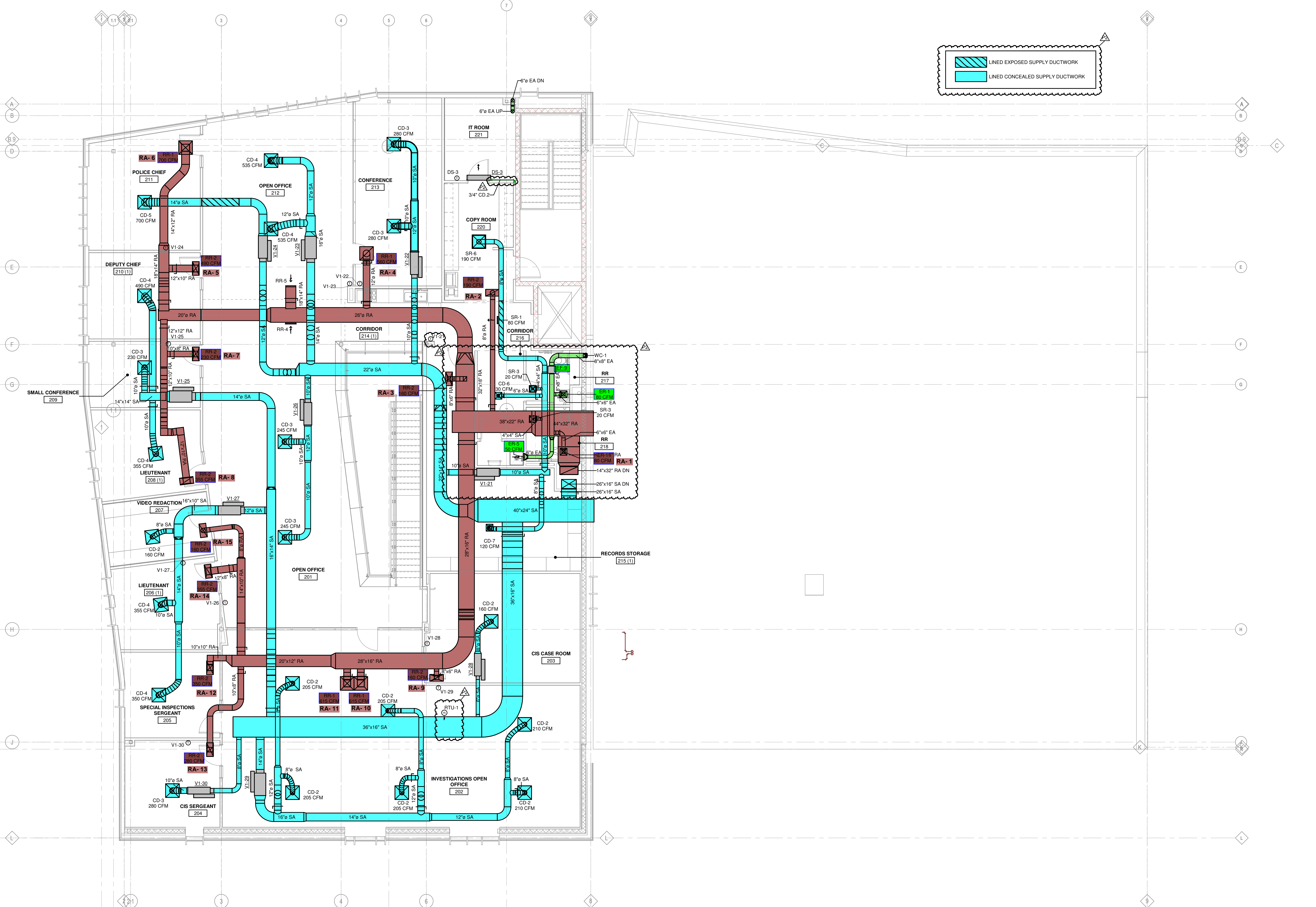
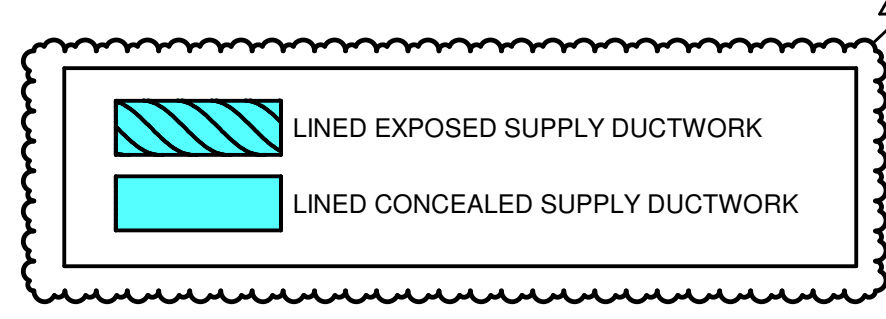
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DRAWING TITLE:
MECHANICAL
DUCTWORK PLAN -
FIRST FLOOR

P-M2.01

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P2	01/09/2024	ADDENDUM P2

PROJECT NO. 23103.00
 DRAWING TITLE:
 MECHANICAL
 DUCTWORK PLAN -
 SECOND FLOOR

MECHANICAL PLAN - LEVEL 2
 3/16" = 1'-0"

2" REFERENCE LINE
 KLI PROJECT #: 25019.01
 CES RAL

P-M2.02

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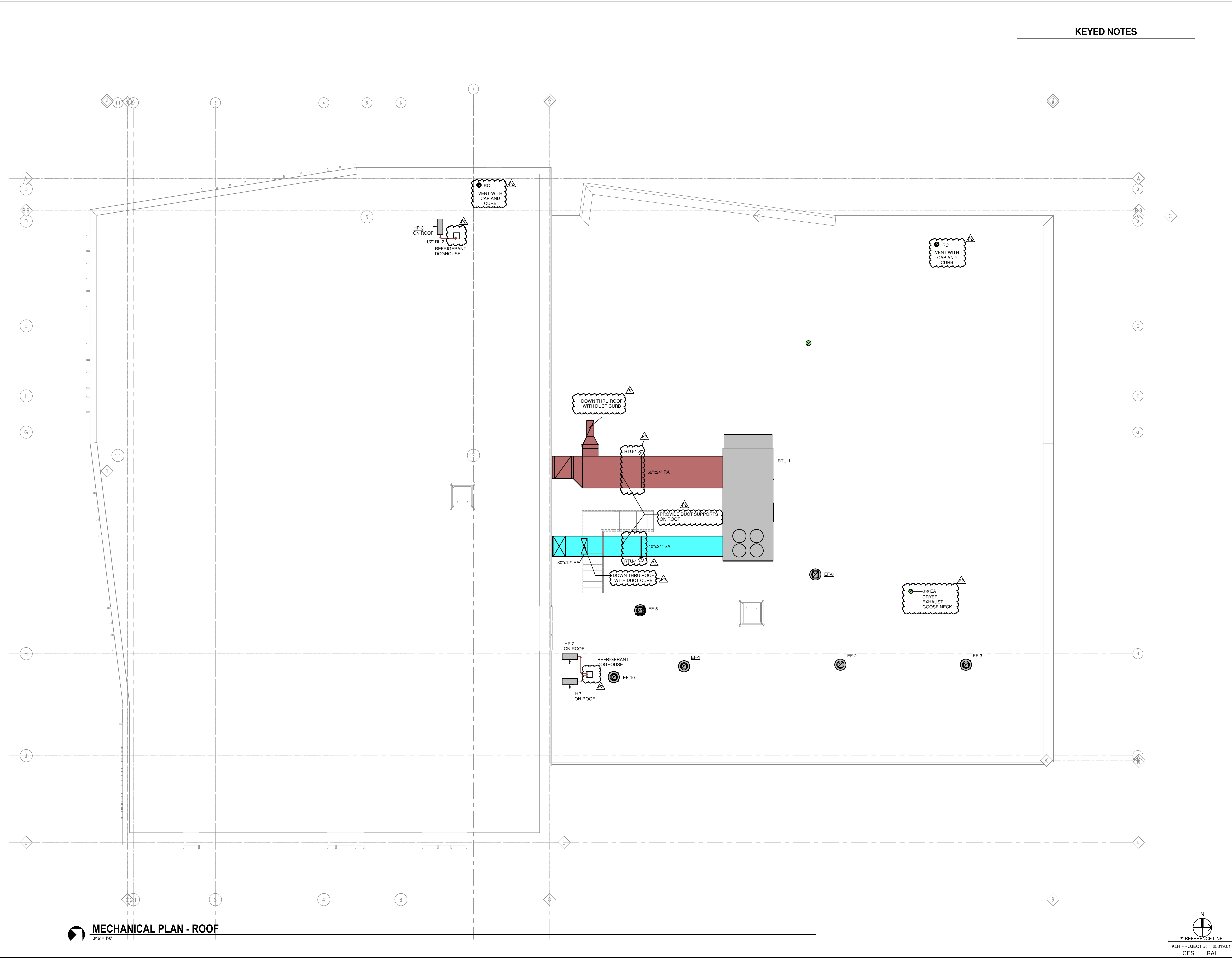
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P2	01/09/2024	ADDENDUM P2

PROJECT NO. 23103.00
 DRAWING TITLE:
MECHANICAL DUCTWORK PLAN - ROOF

P-M2.03



MECHANICAL PLAN - ROOF
 3/16" = 1'-0"

