Notes:

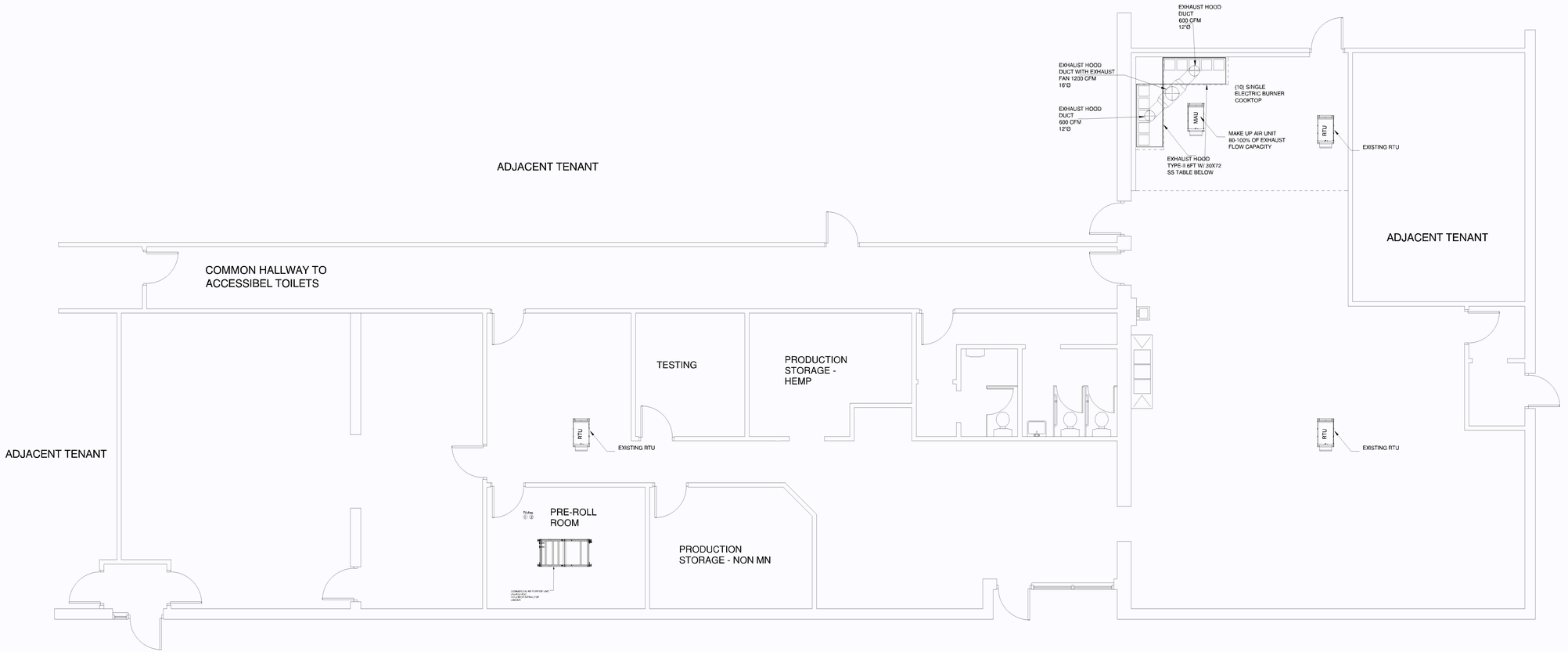
1. SUPPLY AIR AND RETURN AIR DUCTS WILL REMAIN SAME.
2. AIR PURIFICATION UNIT WILL PURIFY THE AIR CONTINUOUSLY.

Mechanical / HVAC Notes

1. Install VOC extractor as a ceiling-mounted standalone recirculating unit per manufacturer instructions.
2. Support unit from building structure; do not hang from ceiling tiles or grid.
3. Provide required clearances around intake and discharge for unobstructed airflow.
4. Maintain minimum access space for filter replacement and service.
5. Coordinate final location to avoid lights, beams, piping, and architectural obstructions.
6. Provide dedicated electrical circuit and local disconnect per electrical code.
7. All wiring shall comply with NEC and local authority requirements.
8. Provide vibration isolation hardware where required to limit noise and resonance.
9. Seal any ceiling penetrations per applicable fire and building code.
10. Ensure the unit operates independently and is not tied to HVAC supply or return ductwork.
11. Verify airflow direction and operation prior to commissioning.
12. Ensure installed height allows effective room air circulation and does not create dead zones.
13. Coordinate placement with HVAC return grille to allow treated air to mix and flow back to the central system.
14. Installer shall verify that mounting hardware and supports meet structural requirements.
15. After installation, perform final functional testing for airflow, noise, vibration, and proper recirculation.

AIR PURIFIER UNIT SCHEDULE

Manufacturer	Model	Type	Airflow	Power	Filters	Prefilters	Blowers	Operation	Application	Coverage	Construction	Controls	Mounting	Maintenance	Weight
LakeAir	LA2-RC2-VOC	VOC/Odor Extractor	1000 CFM	120V/5A/600W	Dual Activated Carbon	2 Screens	Dual Reverse Curve	Recirculating	VOC/Odor Removal	30×30 Room	Steel Housing	Integral Control	Ceiling Mount	Front Filter Access	Per Mfr



1 MECHANICAL AIR PURIFICATION PLAN
SCALE : 3/16" = 1'-0"

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N

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REVISION DATE

No.	Description	Date

ISSUE DATES

TYPE	DATE
ONWER REVIEW SET	
PERMIT SET	
BID SET	
CONSTRUCTION SET	
AS BUILT SET	
DRAWN BY	SA
CHECKED BY	SA

PROJECT NUMBER:

DATE:
12/09/2025

SHEET TITLE:
MECHANICAL AIR PURIFICATION PLAN

SHEET NUMBER:
M-002