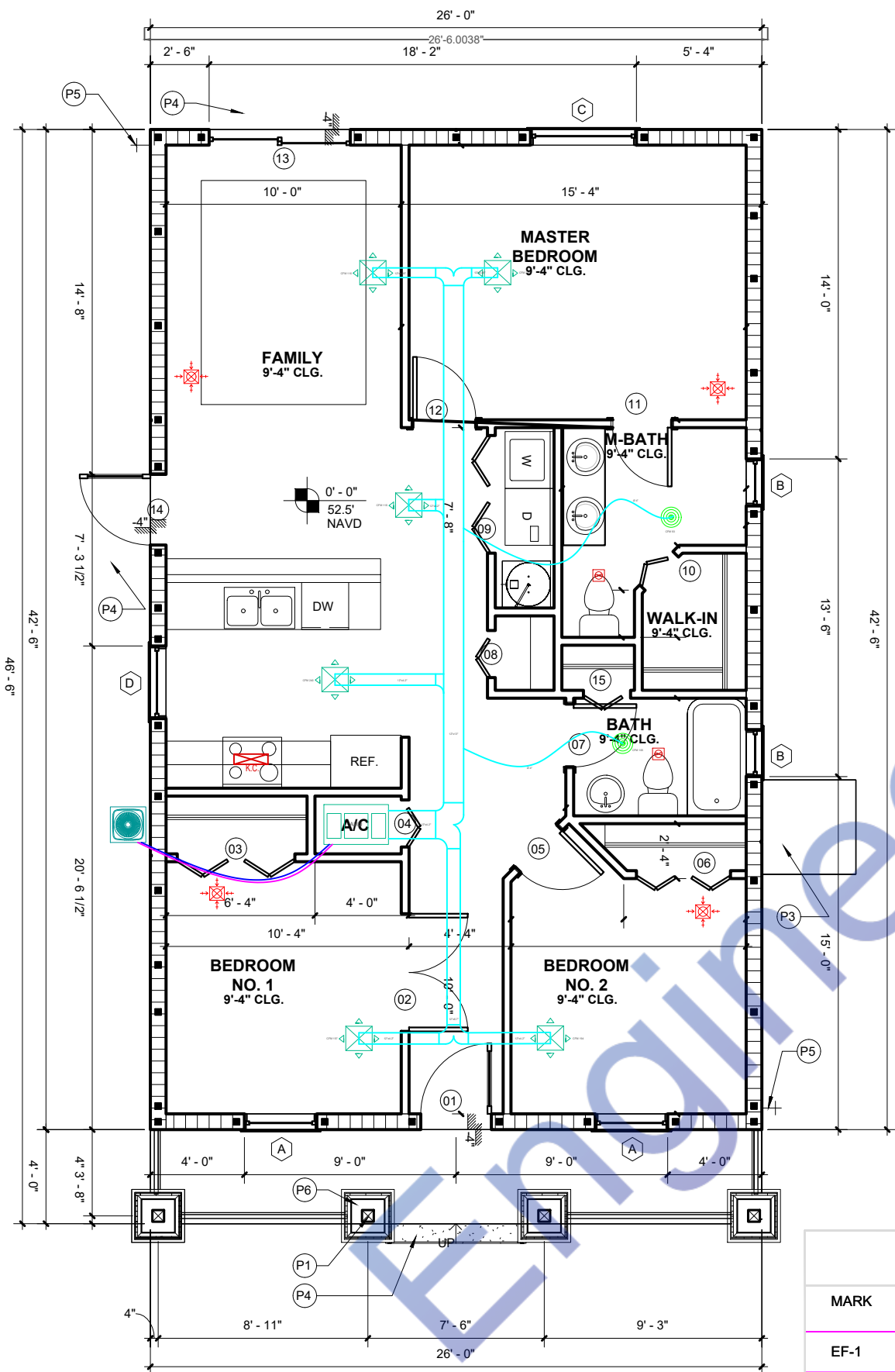




1 HVAC LAYOUT PLAN
1/4" = 1'-0"

Mechanical Legends	
	AIR HANDLING UNIT
	OUTDOOR CONDENSER
	SUPPLY AIR DIFFUSER
	EXHAUST AIR DIFFUSER
	KITCHEN CHIMNEY
	EXHAUST FAN
	SUPPLY AIR DUCT

Note:

This HVAC layout plan for 315 Dorsett Ave, Lake Wales, FL, has been developed in full compliance with the applicable codes and regulations outlined by the Florida Building Code (8th Edition, 2023).

Key considerations include:

- Florida Building Code, Mechanical (Chapter 3): General regulations for mechanical systems, focusing on installation, accessibility, and safety measures as per Section M301.
- Energy Conservation Requirements: Compliance with the Florida Building Code, Energy Conservation (8th Edition), ensures energy efficiency and sustainable practices in heating and cooling installations, as stated in Sections R501.7.2 and R101.4.2 for renovations and building classifications.
- Ductwork Standards (Chapter 16): Adherence to duct system standards for materials, installation, and performance to enhance airflow efficiency and minimize losses, as specified in the Florida Building Code, Mechanical (2020), Residential Edition, Chapter 16.

This plan is designed to meet both state and local building code standards, ensuring safety, efficiency, and durability in all HVAC system elements.

EXHAUST FAN SCHEDULE

MARK	SERVING	CFM	SP	WATTS	RPM	VOLTAGE	MAKE MODEL	NOTES	FAN TYPE
EF-1	BATHROOM	50	-	50	460	120/60/1	Broan-NuTone 688		IN-LINE
EF-2	KITCHEN	375	-	78	460	120/60/1	Broan-NuTone BCSQ130SS		IN-LINE

NOTES

- COMPLETE W/BACKDRAFT DAMPER.
- PROVIDE THERMOSTATIC CONTROL DEVICES
- INTERLOCK TO OPERATE WHENEVER RTU'S OPERATE.
- MAINTAIN A MINIMUM CLEARANCE OF 10'-0" FROM ALL INTAKE AIR FANS AND ALL ROOF TOP UNITS OUTSIDE AIR INTAKE OPENINGS.



ENGINEER'S TEAM

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315 DORSETT AVE.
LAKE WALES, FL

SEAL:

A3
1:100

Release for construction

HVAC LAYOUT PLAN

Drawn by: Engr. Al Amin

Checked:

Date: OCT, 24.

H. 1

Scale:

Watermarkly



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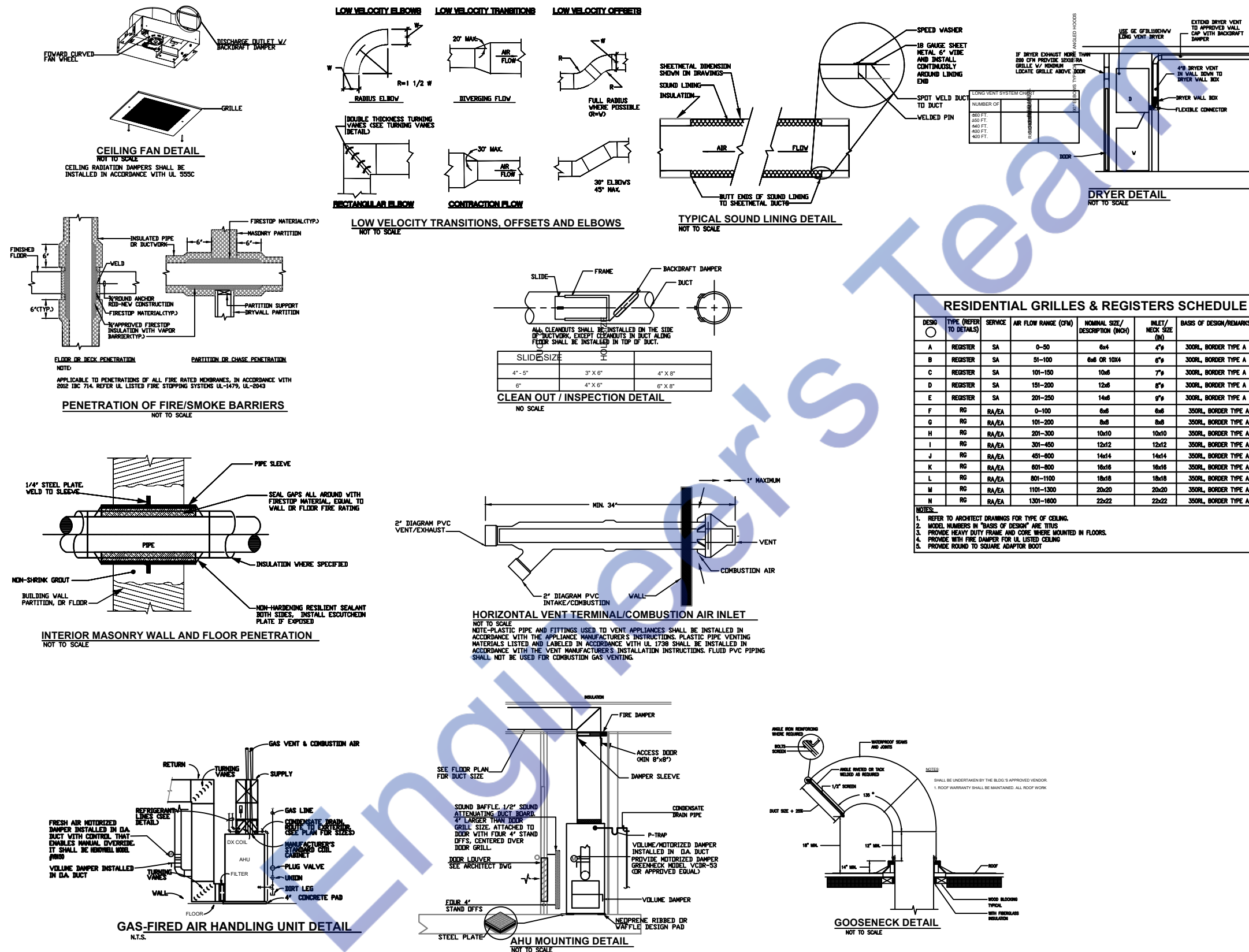
Release for construction

HVAC LAYOUT PLAN

Drawn by: Engr. Al Amin
Checked:
Date: OCT, 24.

H. 2

Scale:





Designed By Engr. Al Amin (MEP Engineer | Director - Engineer's Team LTD)

 support@engrteam.com

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