



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

430 E 8TH ST STE 8017
HOLLAND MI 49423

ENGRTEAM.COM

SUPPORT@ENGRTEAM.COM

OWNER:

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



ENGINEER'S TEAM

430 E 8TH ST STE 8017
HOLLAND MI 49423

ENGRTEAM.COM

SUPPORT@ENGRTEAM.COM

OWNER:

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. 2

Scale:

