



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

**KEY NOTES:**

1. REMOVE SMOKE DETECTOR TEST STATIONS FOR RTU-2 & L. TEST STATIONS TO BE MOUNTED ON THE WAINWIGS OVER SILL. SECURITY CONTROL ROOM SILL. THE RTU/FAN UNITS SMOKE DETECTORS TO SECURITY FIRE ALARM PANEL. MECHANICAL CONTRACTOR SHALL PROVIDE TEST STATIONS AND WAINWIGS BETWEEN COMPONENTS AS WELL AS WAINWIG TO SHUT DOWN THE A/C FAULT UPON ACTIVATION OF THE SMOKE DETECTOR. ALL TO TEST THE SMOKE DETECTOR COORDINATE WITH THE WAINWIG PROJECT MANAGER.
2. WALL MOUNTED SENSORS FOR EACH MECHANICAL UNIT PER ROOFTOP UNIT SCHEDULE ON SHEET M05. S/C SHALL BE INSTALLED IN THE LOCATION. EACH CONTRACTOR SHALL CONNECT TO MECHANICAL UNIT ONLY.
3. COORDINATE EXACT LOCATION OF EXHAUST FAN MOUNTING WITH ARCHITECTURAL ROOF PLAN. INSTALL GAVN WAINWIG FROM ROOF DOWN THROUGH MAIN CHIMNEY SPACE AND CONNECT TO CEILING GRILLES.
4. REFER TO TYPICAL DUCT PLAN DETAIL ON SHEET M04.
5. COORDINATE START WITH STRUCTURE AT THE LOCATION. COORDINATE TAKEOFF LOCATIONS WITH ANNEKED WEG MEASUREMENTS.
6. PROVIDE SURFACE MOUNT ADAPTER FRAME TO ALLOW ACCESS TO CEILING ABOVE THROUGH ROOF PENETRATION. SEE AIR SERVICE SCHEDULE.
7. POSTER DUCT AND STRUCTURAL MEMBERS AT THE LOCATION.
8. DUCTWORK TO MAIN WAINWIG. SPECIAL MECHANICAL CONTRACTOR TO COORDINATE MECHANICAL WORK WITH ALL TRADES PRIOR TO INSTALLATION.
9. DUCT TAKEOFF WITH CHAMFER FROM BOTTOM OF MAIN DUCT.
10. TRANSFER DUCT ASSEMBLY.
11. PROVIDE SEAL ED 3/16" PLYWOOD BOX ASSEMBLY ABOVE TRANSFER OR LIES TO ALLOW FOR TRANSFER DUCT CONNECTIONS.
12. GRILLES OPEN TO ABOVE CEILING.
13. INSTALL EXHAUST FAN ABOVE CEILING PER CEILING SHEET M04. FAN SHALL BE WIRRED TO EMERGENCY SHUT OFF SWITCH PROVIDED BY OTHER. COORDINATE ARCHITECTURAL AND ELECTRICAL DRAWINGS.
14. MOUNT CENTER OF EXHAUST GRILLE AT 1" ABOVE FINISHED FLOOR. ROUTE DUCT BASED AS SHOWN FROM GRILLE. UP IN WALL COURTY TO ABOVE CEILING. THEN TO EXHAUST FAN AND OUT TO EXTERIOR WALL COURTY. COORDINATE DUCT ROUTING WITH ALL OTHER TRADES.
15. 10" X 10" FAN IN WALL. DOWN MODE. EXHAUSTS MANUFACTURED BY GREEN H-20. INSTALL PER MANUFACTURER REQUIREMENTS. INSTALL FROM ROOF DUCT. INSULATE PRODUCT APPROX. 4" MIN. PROVIDE NIPPLES. 1/2" FLANGE. AND ALUMINUM WALL TRIM.
16. EMERGENCY SHUT OFF SWITCH AND WALL PLACA TO INDICATE VENTILATION SYSTEMS OPERATIONAL. SHUT OFF PROVIDED BY OTHER. REFERENCE ELECTRICAL AND ARCHITECTURAL DRAWINGS.

**SHEET GENERAL NOTE:**

- A. MECHANICAL CONTRACTOR SHALL ADJUST ALL LINEAR SLOT DIFFUSERS TO A GENERALLY VERTICAL FLOOR. ADJUSTMENT SHALL BE MADE SO AS TO AVOID AIRFLOW ON PERSONS. REFRIGERATION CASES, OR OPEN FOOD REFRIGERATION EQUIPMENT.

HVAC LEGEND	
SYMBOL	DESCRIPTION
	NEW RECTANGULAR OR ROUND DUCT
	FLEXIBLE DUCT
	SUPPLY AIR DUCTWORK UP THROUGH PLAN
	RETURN AIR DUCTWORK UP THROUGH PLAN
	EXHAUST AIR DUCTWORK UP THROUGH PLAN
	90° ELBOW WITH TURNING VANES
	MANUAL AIR VOLUME CONTROL DAMPER
	4 WAY SUPPLY DIFFUSER
	3 WAY SUPPLY DIFFUSER
	2 WAY OPPOSED SUPPLY DIFFUSER
	2 WAY CORNER SUPPLY DIFFUSER
	RETURN AIR DEVICE
	EXHAUST AIR DEVICE
	AIR CURTAIN
	LINEAR SLOT DIFFUSER WITH PLENUM
	COMBINATION TEMPERATURE/HUMIDITY SENSOR
	TEMPERATURE SENSOR
	CO2 SENSOR
	SWITCH
	TAP/LEAD
	MECHANICAL EQUIPMENT TAG
	CONDENSATE PIPING
	ROOF MOUNTED EXHAUST FAN
	INLINE EXHAUST FAN
	PACKAGED ROOFTOP AIR CONDITIONER

2666 Mathand Center Parkway  
Suite #200  
Mathand, FL 32751  
P: (407) 861-9100  
F: (407) 861-9101  
www.cuhaci.com

**CUHACI PETERSON**

CONTRACTOR: WAWA ESSEX 0213, STONE #5413, 770 24TH COURT EAST, SANDSPRING, OKLAHOMA 73083

PROJECT: WAWA ESSEX 0213, STONE #5413, 770 24TH COURT EAST, SANDSPRING, OKLAHOMA 73083

DATE: 11-2-2022  
DRAWN BY: J. HANSEN  
CHECKED BY: J. HANSEN  
SCALE: AS SHOWN

PROJECT: WAWA ESSEX 0213, STONE #5413, 770 24TH COURT EAST, SANDSPRING, OKLAHOMA 73083

**HVAC FLOOR PLAN**

SHEET 101

Revision Schedule

No.	Description	Date
1	ISSUED FOR PERMIT	11/02/2022
2	ISSUED FOR CONSTRUCTION	11/02/2022
3	ISSUED FOR AS-BUILT	11/02/2022

**M1.0**