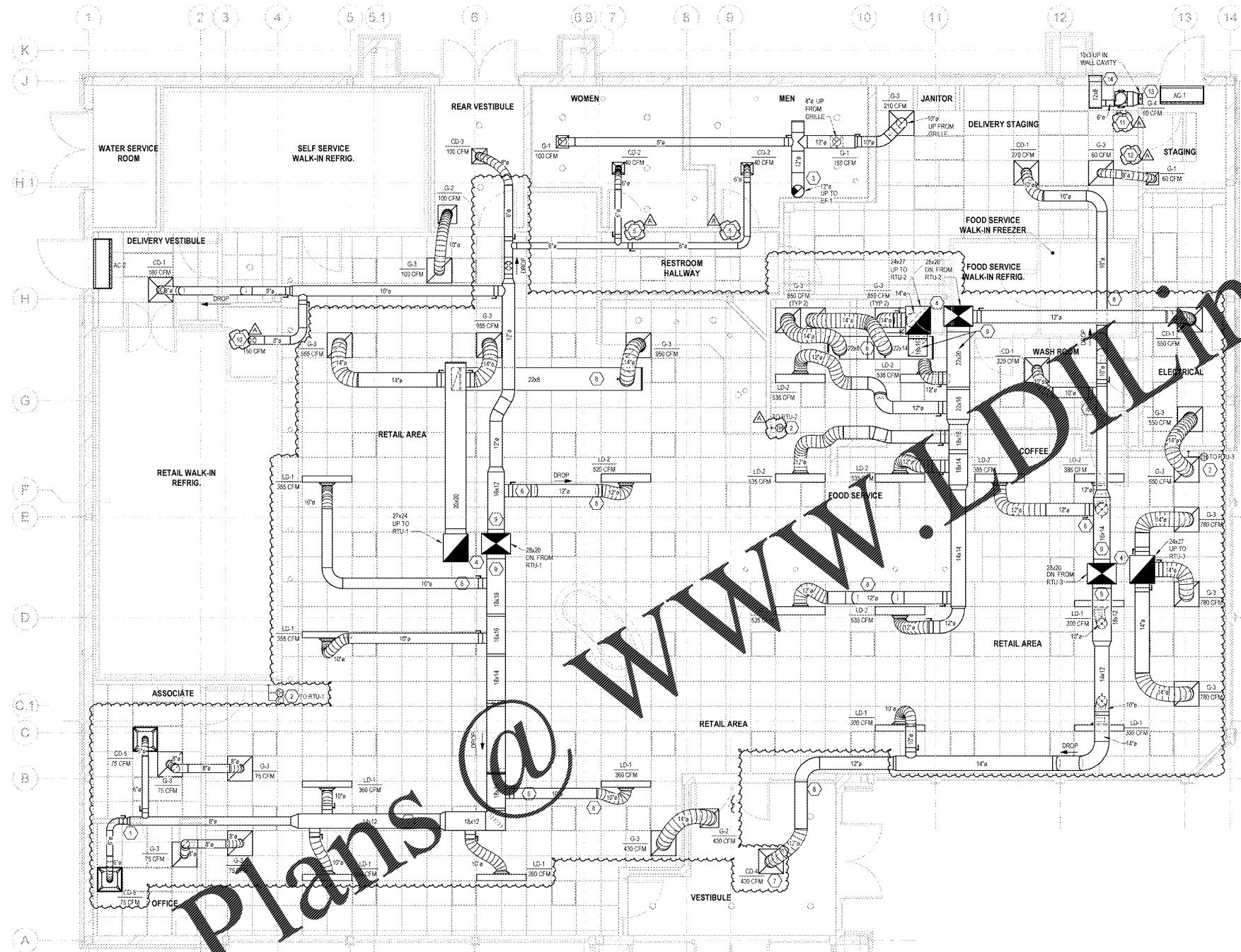


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1 HVAC FLOOR PLAN
M1 1/4" x 1/4"

KEY NOTES:

- 1 REMOVE SMOKE DETECTOR TEST STATIONS FOR RTU-1, 2, & 3 PROVIDED BY RTU MANUFACTURER. TEST STATIONS TO BE MOUNTED ON THE MANAGERS OFFICE WALL. COORDINATE LOCATIONS WITH ARCHITECTURAL PLANS. SECURITY CONTRACTOR SHALL WIRE RTU FACTORY MOUNTED SMOKE DETECTORS TO SECURITY/FIRE ALARM PANEL. MECHANICAL CONTRACTOR SHALL PROVIDE WIRING BETWEEN COMPONENTS AS WELL AS WIRING TO SHUT DOWN THE AC FAN UPON ACTIVATION OF THE SMOKE DETECTOR. G.C. TO TEST THE SMOKE DETECTOR FUNCTIONS WITH THE WALK PROJECT MANAGER.
- 2 OWNER SHALL PROVIDE WALL MOUNTED SENSORS FOR EACH SENSITIVE UNIT SEE PROJECT LINE SCHEDULE OR SHEET M-1. G.C. SHALL PROVIDE AND INSTALL JUNCTION BOX, WIRING AND WIRE FROM JUNCTION BOX TO RTU (REFER TO ELECTRICAL PLANS). G.C. SHALL INSTALL SENSORS. G.C. SHALL CONNECT WIRE TO SENSORS AND TO RTU. GAS CONTRACTOR SHALL CONNECT TO RTU ONLY.
- 3 COORDINATE EXACT LOCATION OF EXHAUST DUCT WITH ARCHITECTURAL ROOF PLAN. INSTALL GALVANIZED DUCT WORK FROM FAN INTO CEILING/ROOF SPACE AND CONNECT TO CEILING G.
- 4 REFER TO TYPICAL PLENUM DESIGN SHEET.
- 5 REFER TO TYPICAL WALL MOUNTED EXHAUST FAN DESIGN SHEET.
- 6 COORDINATE EXACT WITH TURNING VANES LOCATION. COORDINATE TAKE OFF LOCATION WITH TURNING VANES LOCATION.
- 7 EXHAUST FAN SHALL BE MOUNTED TO PERMIT ACCESS TO CEILING ABOVE. PROVIDE ACCESS TO CEILING ABOVE FOR SERVICE ACCESS.
- 8 ROUTE DUCT UNDER MECHANICAL MEMBERS AT THIS LOCATION.
- 9 COORDINATE AND ROUTE MAIN DUCT HIGH IN JOIST SPACE. AVOID CONFLICTS WITH OTHER TRADES.
- 10 ROUTE SUPPLY DUCT DOWN THROUGH GYP/PLUM BOARD CEILING AND INTO CAVITY ABOVE FLOOR. SEAL AROUND DUCT AT PENETRATION AIR TIGHT AND TERMINATE DUCT WITH OPEN END.
- 11 INSTALL EXHAUST FAN PER DETAIL SHEET M-1. FAN SHALL BE WIRED TO EMERGENCY SHUTOFF SWITCH PROVIDED BY OTHERS. REFERENCE ARCHITECTURAL AND ELECTRICAL DRAWINGS.
- 12 EMERGENCY SHUTOFF SWITCH AND WALL PLACARD INDICATING VENTILATION SYSTEM EMERGENCY SHUTOFF PROVIDED BY OTHERS. REFERENCE ELECTRICAL AND ARCHITECTURAL DRAWINGS.
- 13 MOUNT CENTER OF EXHAUST GRILLE AT 12" ABOVE FINISHED FLOOR. ROUTE DUCT SIZED AS SHOWN FROM GRILLE, UP IN WALL CAVITY TO ABOVE CEILING, THEN TO EXHAUST FAN AND OUT TO EXTERIOR WALL LOUVER. COORDINATE DUCT ROUTING WITH ALL OTHER TRADES.
- 14 12" X 12" EXTERIOR WALL LOUVER MODEL ERH801 AS MANUFACTURED BY GREENHECK. INSTALL PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS. FLORIDA PRODUCT APPROVAL #10881. PROVIDE WITH BIRD SCREEN, 1-1/2" FLANGE, AND ALUMINUM MILL FINISH.

SHEET GENERAL NOTE:

- A. MECHANICAL CONTRACTOR SHALL ADJUST ALL LINEAR SLOT DIFFUSERS TO A GENERALLY VERTICAL FLOW. ADJUSTMENT SHALL BE MADE SO AS TO AVOID ANFLOWS ON SENSORS, 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
	TYPE MARK CFM
	MECHANICAL EQUIPMENT TAG
	CONDENSATE PIPING
	ROOF MOUNTED EXHAUST FAN
	INLINE EXHAUST FAN
	PACKAGED ROOFTOP AIR CONDITIONER

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PROJECT NAME
WAWA F85FB 2019.01 STORE #5357-DOR
NW 87TH AVE. & NW 33RD ST.
DORAL, FLORIDA

SHEET TITLE
HVAC FLOOR PLAN

No.	Revision	Schedule	Date
1	PRELIMINARY		08/03/2018
2	PRELIMINARY REVIEW SET		08/17/2018
3	REV. 01/01/2019		01/01/2019
4	REV. 02/01/2019		02/01/2019
5	REV. 03/01/2019		03/01/2019

PROJECT NO.	DATE	DATE	DATE	DATE	DATE
2171008	08/03/2018	08/17/2018	01/01/2019	02/01/2019	03/01/2019

PROJECT NO. 2171008
DATE 08/03/2018
DATE 08/17/2018
DATE 01/01/2019
DATE 02/01/2019
DATE 03/01/2019
CHECKED JLD

M1