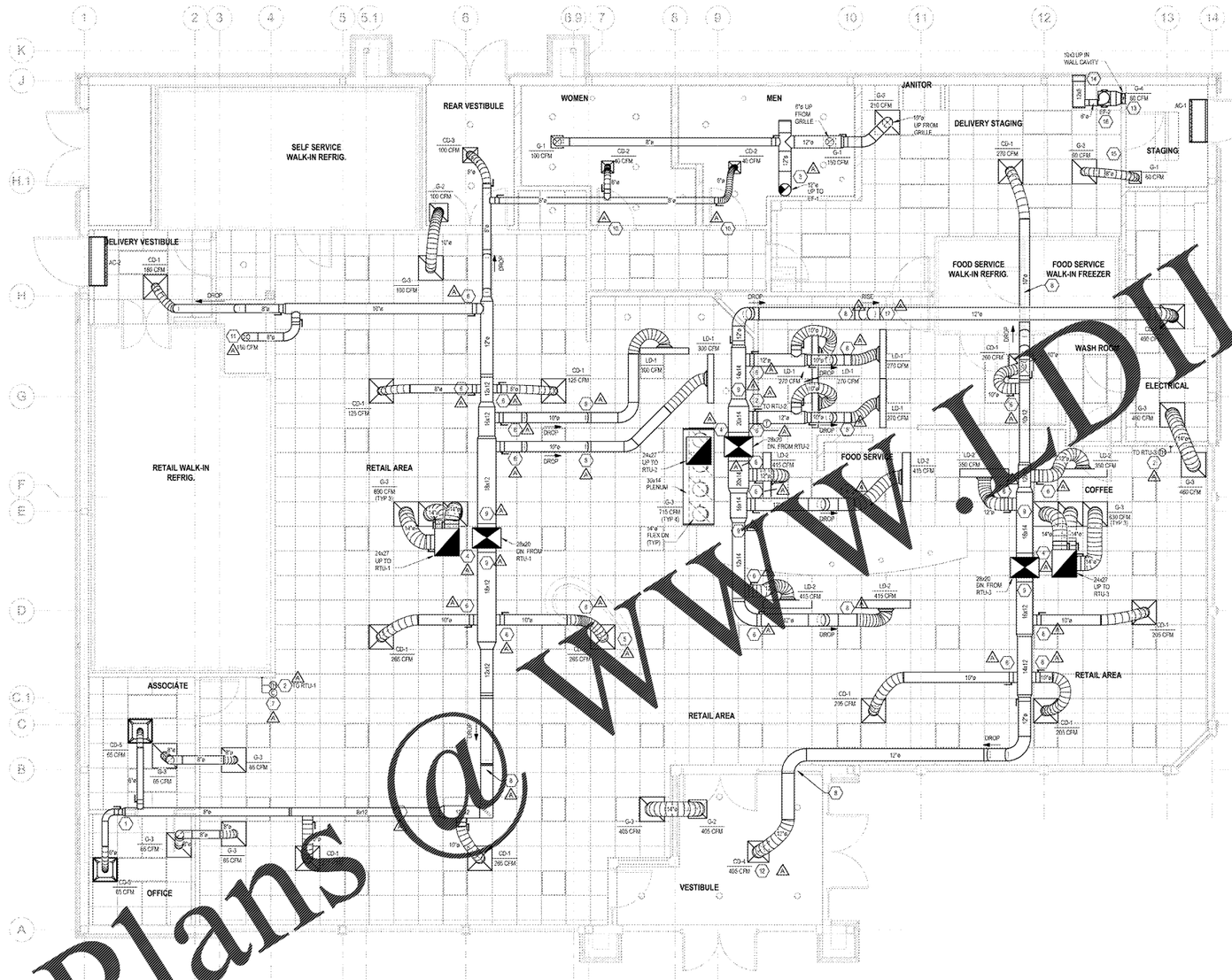

M1 HVAC FLOOR PLAN
1/4" = 1'-0"

KEY NOTES:

1. REMOTE SMOKE DETECTOR TEST STATIONS FOR RTU-1, 2, & 3 PROVIDED BY RTU MANUFACTURER. TEST STATIONS TO BE MOUNTED ON THE MANAGER'S 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 AIC FAN UPON ACTIVATION OF THE SMOKE DETECTOR. G.C. TO TEST THE SMOKE DETECTOR FUNCTIONS WITH THE WAWA PROJECT MANAGER.
2. OWNER SHALL PROVIDE WALL MOUNTED SENSOR(S) FOR EACH MECHANICAL UNIT PER ROOFTOP UNIT SCHEDULE ON SHEET M3. G.C. SHALL INSTALL AND WIRE TO UNIT. BAS CONTRACTOR SHALL CONNECT TO MECHANICAL UNIT ONLY.
3. COORDINATE EXACT LOCATION OF EXHAUST FAN [illegible] ON ARCHITECTURAL ROOF PLAN. INSTALL GALVANIZED [illegible] DUCT FROM FAN INTO CEILING/JOIST SPACE. AND CONNECT TO CEILING GRILLE.
4. REFER TO TYPICAL PLENUM DETAIL ON SHEET M3.
5. CENTER AND LOCATE A 4-WAY DIFFUSER AT [illegible] EXPRESS FLOW DIRECT OTHER DIFFUSERS AND FLOWS AWAY FROM THE [illegible] AS INDICATED.
6. COORDINATE DUCT WITH STRUCTURE, IN THIS LOCATION, COORDINATE TAKEOFF LOCATIONS WITH TRUSS WEB OPENINGS.
7. CO2 SENSOR PROVIDED WITH RTU PACKAGED BY OWNER. G.C. SHALL PROVIDE AND INSTALL JUNCTION BOX, CONDUIT, AND WIRE FROM JUNCTION BOX TO RTU [illegible] BAS CONTRACTOR SHALL CONNECT SENSOR TO [illegible] IN RTU.
8. ROUTE DUCT UNDER STRUCTURAL MEMBERS AT THIS LOCATION.
9. COORDINATE AND ROUTE MAIN DUCT HIGH IN JOIST SPACE. AVOID CONFLICTS WITH UTILITIES.
10. UNDERCUT DOOR 1" TO ALLOW FOR TRANSFER OF AIR.
11. ROUTE SUPPLY DUCT DOWN THROUGH GYPSUM BOARD CEILING AND INTO CAVITY ABOVE FREEZER. SEAL AROUND DUCT AT PENETRATION AIR TIGHT AND TERMINATE DUCT WITH OPEN END.
12. PROVIDE SURFACE MOUNT ADAPTER FRAME TO ALLOW ACCESS TO CEILING ABOVE THROUGH DIFFUSER OPENING. SEE AIR DEVICE SCHEDULE
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"x12" EXTERIOR WALL LOUVER MODEL EHH-601 AS MANUFACTURED BY GREENHECK. INSTALL PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS. FLORIDA PRODUCT APPROVAL #16088.1. PROVIDE WITH BIRD SCREEN, 1-1/2" FLANGE, AND ALUMINUM MILL FINISH.
15. EMERGENCY SHUTOFF SWITCH AND WALL PLACARD INDICATING VENTILATION SYSTEM EMERGENCY SHUTOFF PROVIDED BY OTHERS. REFERENCE ELECTRICAL AND ARCHITECTURAL DRAWINGS.
16. INSTALL EXHAUST FAN PER DETAIL SHEET M3. FAN SHALL BE WIRED TO EMERGENCY SHUTOFF SWITCH PROVIDED BY OTHERS. REFERENCE ARCHITECTURAL AND ELECTRICAL DRAWINGS.
17. ROUTE DUCT BACK UP INTO TRUSS WEB IN THIS AREA.

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 AIRFLOWS ON SENSORS, REFRIGERATION CASES, OR OPEN FOOD REFRIGERATION EQUIPMENT.

HVAC LEGEND

SYMBOL	DESCRIPTION
10x8 8"ø	NEW RECTANGULAR OR ROUND DUCT
12"ø	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
AC-X	AIR CURTAIN
LD-X	LINEAR SLOT DIFFUSER WITH PLENUM
	COMBINATION TEMPERATURE/HUMIDITY SENSOR
T	TEMPERATURE SENSOR
C	CO2 SENSOR
A / XXX CFM	TYPE MARK / CFM
RTU-10	MECHANICAL EQUIPMENT TAG
	CONDENSATE PIPING
EF-X	ROOF MOUNTED EXHAUST FAN
EF-X	INLINE EXHAUST FAN
RTU-X	PACKAGED ROOFTOP AIR CONDITIONER

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WAWA
260 WEST BALTIMORE PIKE
WAWA, PENNSYLVANIA 19063

PROJECT NAME
WAWA F85FB 2018.01 STORE #5275-LIT
9021 STATE ROAD 52
HUDSON, FL 34669

SHEET TITLE
HVAC FLOOR PLAN

Revision Schedule		
No.	Description	Date
	PERMIT SET	03/02/2017
	PRELIMINARY REVIEW SET	08/28/2018
A	REV 2018.01	09/19/2018
	RFC SET	09/19/2018

PROJECT NO. 2161082
DATE 03-21-2017
DRAWN PAK
CHECKED JJD

M1

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