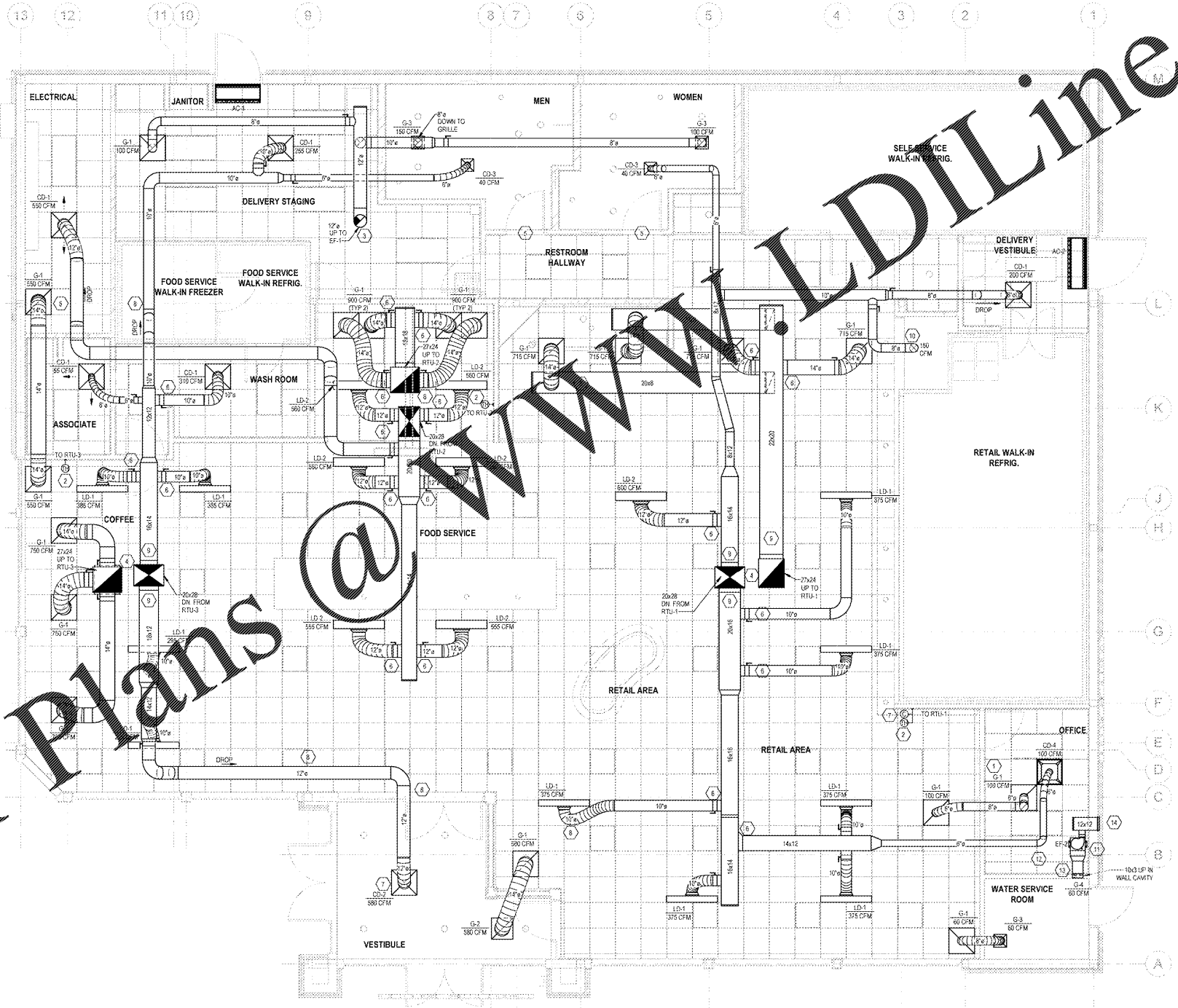


Order Plans @ www.ldilinc.com



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

- KEY NOTES:**
- REMOTE SMOKE DETECTOR TEST STATIONS FOR RTU-1, 2, & 3 PROVIDED BY RTU MANUFACTURER. TEST STATIONS TO BE MONITORED 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 PIPING BETWEEN COMPONENTS AS WELL AS WIRING TO SHUT DOWN THE A/C FAN UPON ACTIVATION OF THE SMOKE DETECTOR. G.C. TO TEST THE SMOKE DETECTOR FUNCTIONS WITH THE WAWA PROJECT MANAGER.
 - OWNER SHALL PROVIDE WALL MOUNTED SENSORS FOR EACH MECHANICAL UNIT PER ROOFTOP UNIT SCHEDULE OR SHEET M.E. G.C. SHALL PROVIDE AND INSTALL JUNCTION BOX, CONDUIT, 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. BAS CONTRACTOR SHALL CONNECT TO RTU ONLY.
 - COORDINATE EXACT LOCATION OF EXHAUST FAN PENETRATION WITH ARCHITECTURAL ROOF PLAN. INSTALL DRAINAGE DUCT WORK DOWN FROM FAN INTO CEILING/JOIST SPACE, AND CONNECT TO CEILING GRILLES.
 - REFER TO TYPICAL DUCT PLENUM DETAIL ON SHEET M3.
 - UNBARS CUT DOOR 1" TO ALLOW FOR TRANSFER OF AIR THROUGH DOOR.
 - COORDINATE DUCT WITH STRUCTURE PENETRATION. COORDINATE TAKEOFF LOCATIONS WITH TRUSS WEB OPENING.
 - PROVIDE SURFACE MOUNT ACCESS FRAME TO ALLOW ACCESS TO CEILING ABOVE THROUGH DIFFUSER OPENINGS. ALL SERVICE SHALL BE THROUGH ACCESS FRAME.
 - ROUTE DUCT UNDER STAIRS. ALL MOUNTERS AT THE LOCATION.
 - COORDINATE AND ROUTE MAIN DUCT IN JOIST SPACE. AVOID CONFLICTS WITH OTHER TRADES.
 - ROUTE SUPPLY AND RETURN DUCT THROUGH GYPSUM BOARD CEILING AND INTO CAVITY ABOVE. FREEZER AND WALK-IN REFRIG. DUCT AT PENETRATION AIR TIGHT AND TERMINATE DUCT WITH GEND.
 - EXHAUST FAN PER DETAIL SHEET M.E. FAN SHALL BE WIRED TO EMERGENCY SHUT-OFF SWITCH PROVIDED BY OTHERS. REFERENCE ELECTRICAL AND ELECTRICAL DRAWINGS.
 - EMERGENCY SHUT-OFF SWITCH AND WALL PLACARD INDICATING VENTILATION SYSTEM EMERGENCY SHUT-OFF PROVIDED BY OTHERS. REFERENCE ELECTRICAL AND ARCHITECTURAL DRAWINGS.
 - 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.
 - 12"x12" EXTERIOR WALL LOUVER MODEL ENH-R01 AS MANUFACTURED BY GREENHECK. INSTALL PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS. FLOORING PRODUCT APPROVAL #19988-1. PROVIDE WITH BRASS SCREEN, 1/4" FLANGE, AND ALUMINUM MESH FINISH.

PERMITTING NOTE:
ALL REFRIGERATION EQUIPMENT INCLUDING WALK-IN COOLERS AND REFRIGERATORS WILL BE SUBMITTED UNDER A SEPARATE PERMIT.

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.

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

1925 Prospect Ave.
Orlando, FL 32814
P (407) 661-9100
F (407) 661-9101
www.ep.com

Chhabri & Peterson
Architects Engineers Planners

CLIENT NAME
WAWA
260 WEST BALTIMORE PIKE
WAWA, PENNSYLVANIA 19063

PROJECT NAME
WAWA F85L 2019.01 STORE #6351 - CMM
1004 EDGEWOOD AVE.
JACKSONVILLE, FL 32254

No.	Description	Date
1	PRELIMINARY	08/09/2020
2	REVISED	08/10/2020
3	REVISED	08/10/2020
4	REVISED	08/10/2020
5	REVISED	08/10/2020
6	REVISED	08/10/2020
7	REVISED	08/10/2020
8	REVISED	08/10/2020
9	REVISED	08/10/2020
10	REVISED	08/10/2020
11	REVISED	08/10/2020
12	REVISED	08/10/2020
13	REVISED	08/10/2020
14	REVISED	08/10/2020
15	REVISED	08/10/2020
16	REVISED	08/10/2020
17	REVISED	08/10/2020
18	REVISED	08/10/2020
19	REVISED	08/10/2020
20	REVISED	08/10/2020
21	REVISED	08/10/2020
22	REVISED	08/10/2020
23	REVISED	08/10/2020
24	REVISED	08/10/2020
25	REVISED	08/10/2020
26	REVISED	08/10/2020
27	REVISED	08/10/2020
28	REVISED	08/10/2020
29	REVISED	08/10/2020
30	REVISED	08/10/2020
31	REVISED	08/10/2020
32	REVISED	08/10/2020
33	REVISED	08/10/2020
34	REVISED	08/10/2020
35	REVISED	08/10/2020
36	REVISED	08/10/2020
37	REVISED	08/10/2020
38	REVISED	08/10/2020
39	REVISED	08/10/2020
40	REVISED	08/10/2020
41	REVISED	08/10/2020
42	REVISED	08/10/2020
43	REVISED	08/10/2020
44	REVISED	08/10/2020
45	REVISED	08/10/2020
46	REVISED	08/10/2020
47	REVISED	08/10/2020
48	REVISED	08/10/2020
49	REVISED	08/10/2020
50	REVISED	08/10/2020

M1