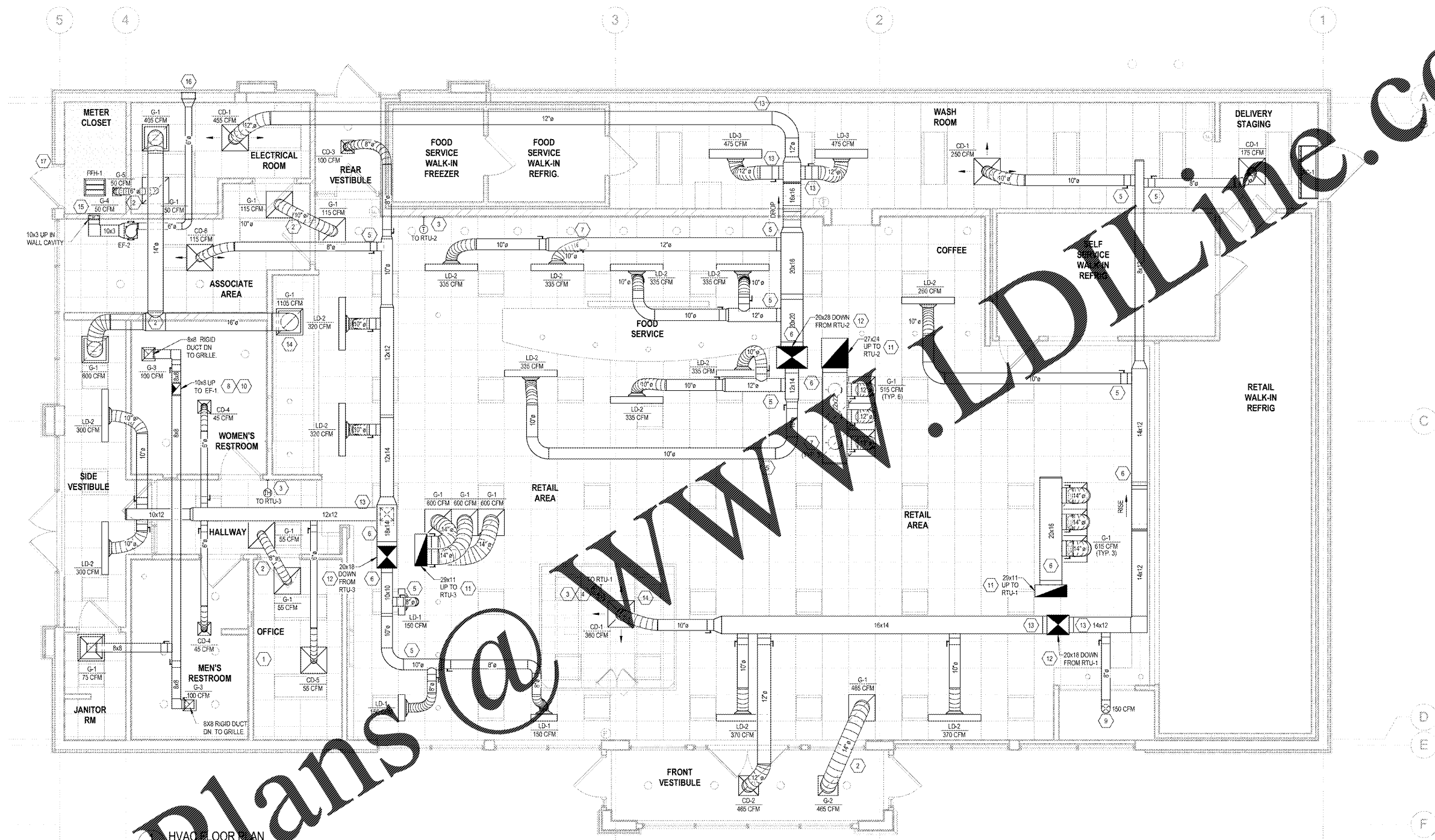


Order Plans



HVAC FLOOR PLAN

FLOOR PLAN KEYNOTES

- 1 REMOTE TEST STATION FOR SMOKE DETECTORS FOR RTU-1, 2, & 3 TEST STATION TO BE MOUNTED ON THE MANAGERS OFFICE WALL. SECURITY CONTRACTOR SHALL WIRE RTU FACTORY MOUNTED SMOKE DETECTORS TO SECURITY/FIRE ALARM PANEL. MECHANICAL CONTRACTOR SHALL PROVIDE TEST STATION AND WIRING BETWEEN COMPONENTS AS WELL AS WIRING TO SHUT DOWN THE A/C FAN UPON ACTIVATION OF THE SMOKE DETECTOR. MECHANICAL CONTRACTOR TO PROVIDE WALL MOUNTED, FRAMED DIAGRAM SHOWING SMOKE DETECTOR LOCATIONS. G.C. TO TEST THE SMOKE DETECTOR FUNCTIONS WITH THE WAWA PROJECT MANAGER.
- 2 TRANSFER AIR DUCT ASSEMBLY.
- 3 OWNER SHALL PROVIDE WALL MOUNTED SENSOR(S) FOR EACH MECHANICAL UNIT SCHEDULE ON SHEET M3. G.C. SHALL INSTALL AND WIRE TO UNIT. BAS CONSTRUCTOR SHALL CONNECT TO MECHANICAL UNIT ONLY.
- 4 PROVIDE UNIT MANUFACTURERS CO2 SENSOR AND WIRE TO RTU-1. SENSOR TO MONITOR CO2 LEVELS THROUGH REMOTE BIAS.
- 5 ROUTE DUCT THROUGH ANGLED WEB MEMBER AND SUPPORT AT PANEL POINT.
- 6 DUCTWORK TO RUN WITHIN JOIST SPACING. MECHANICAL CONTRACTOR TO COORDINATE MECHANICAL WORK WITH ALL TRADES PRIOR TO INSTALLATION.
- 7 CONNECT TO BOTTOM OF MAIN DUCT.
- 8 EF-1 SPEED CONTROLLER SHALL BE MOUNTED ON INSIDE OF FAN COVER BY MECHANICAL CONTRACTOR AND SET BY THE BALANCER.
- 9 ROUTE SUPPLY DUCT DOWN THROUGH GYPSUM BOARD CEILING AND INTO CAVITY ABOVE FREEZER WITHIN 12" OF BACK WALL. SEAL AROUND DUCT AT PENETRATION AIR TIGHT AND TERMINATE DUCT WITH OPEN END.
- 10 EXHAUST DUCT UP TO ROOF MOUNTED EXHAUST FAN. SEE ROOF PLAN FOR CONTINUATION.
- 11 RETURN DUCT PLENUM UP TO RTU FULL SIZE OF UNIT CONNECTION.
- 12 SUPPLY DUCT PLENUM DOWN FROM RTU FULL SIZE OF UNIT CONNECTION.
- 13 DUCT TO PASS BELOW BEAM IN THIS AREA. COORDINATE WITH STRUCTURE.
- 14 MOUNT SUPPLY DIFFUSER OR RETURN GRILLE IN LOWER CEILING AT THIS LOCATION.
- 15 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.
- 16 12"x18" EXTERIOR WALL WIND DRIVEN RAIN LOUVER MODEL EFH-601 AS MANUFACTURED BY GREENHECK. INSTALL PER MANUFACTURERS RECOMMENDED INSTALLATION INSTRUCTIONS. PROVIDE WITH BIRD SCREEN, 1-1/2" FLANGE, AND ALUMINUM MALL FINISH.
- 17 EMERGENCY SHUTOFF SWITCH AND WALL PLACARD INDICATING VENTILATION SYSTEM EMERGENCY SHUTOFF PROVIDED BY OTHERS. REFERENCE ELECTRICAL AND ARCHITECTURAL DRAWINGS.

SHEET GENERAL NOTES:

- 1. 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.

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Newtown Rd. & Stony Point St.
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SHEET TITLE
HVAC FLOOR PLAN

No.	Description	Date
1	PERMIT SET	05/11/2018
2	PRE-BID REVIEW SET	01/09/2019
3	BID SET	01/29/2019

PROJECT NO.	270577
DATE	05-11-18
DRAWN	PHK
CHECKED	JLJ/UPK

M1