



- KEY NOTES**
- 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 AC 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 PROVIDE SEALED 20" X 20" PLENUM BOX ASSEMBLY ABOVE TRANSFER GRILLE TO ALLOW FLEX TRANSFER DUCT CONNECTIONS.
  - 4 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.
  - 5 PROVIDE UNIT MANUFACTURERS CO2 SENSOR AND WIRE TO RTU-1. SENSOR TO MONITOR CO2 LEVELS THROUGH REMOTE BAS INTERFACE.
  - 6 ROUTE DUCT THROUGH ANGLED WEB MEMBER AND SUPPORT PANEL PER DETAIL SHEET M3.
  - 7 DUCTWORK TO RUN WITHIN JOIST SPACING. MECHANICAL CONTRACTOR TO COORDINATE MECHANICAL WORK WITH ALL TRADES PRIOR TO INSTALLATION.
  - 8 ROUTE DUCT THRU OPEN WEBBING OF JOIST GIRDS.
  - 9 CONNECT TO BOTTOM OF MOUNTED UNIT.
  - 10 CENTER AND LOCATE A WAY DIFFUSER PER DETAIL SHEET M3 (EXPRESS CASE). REFERENCE ARCHITECTURAL EQ PLAN.
  - 11 ROUTE DUCT DOWN THROUGH GYPSUM BOARD CEILING AND INTO CAVITY ABOVE FREEZER WALK-IN BEER BACK WALL. SEAL AROUND DUCT AT PENETRATION AIR TIGHT AND TERMINATE DUCT WITH OPEN END.
  - 12 EXHAUST DUCT TO ROOF MOUNTED EXHAUST FAN. SEE ROOF PLAN FOR CONTINUATION.
  - 13 JUNT CENTER OF EXHAUST GRILLE AT 12" ABOVE FINISHED FLOOR. ROUTE DUCT SIZED AS SHOWN IN DETAIL SHEET M3. 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 8" EXTERIOR WALL. WIND DRIVEN RAIN LOUVER MODEL EHH-801 AS MANUFACTURED BY GREENHECK. INSTALL PER MANUFACTURERS RECOMMENDED INSTALLATION INSTRUCTIONS. 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 RETURN DUCT PLENUM UP TO RTU FULL SIZE OF UNIT CONNECTION.
  - 18 SUPPLY DUCT PLENUM DOWN FROM RTU FULL SIZE OF UNIT CONNECTION.
  - 19 WALL TRANSFER AIR DUCT ASSEMBLY. MOUNT CENTER OF GRILLE WITHIN 12" OF CEILING. COORDINATE WITH ALL OTHER TRADES.
  - 20 HEATER SHALL BE A MINIMUM OF 12" AWAY FROM ANY WALL.

**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.

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

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PROJECT NAME  
W50FB-VA 2018 01-MA  
STORE #6668-SUD  
10891 DAVIDSON PLACE  
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Revision Schedule	No.	Description	Date
PERMIT SET	1	PERMIT COMMENTS	01/04/2019
BID SET	1	BID SET	03/15/2019
			08/27/2019

PROJECT NO.  
2170354  
DATE  
01/04/2019  
DRAWN  
PAK  
CHECKED  
JJD

M1

HVAC FLOOR PLAN