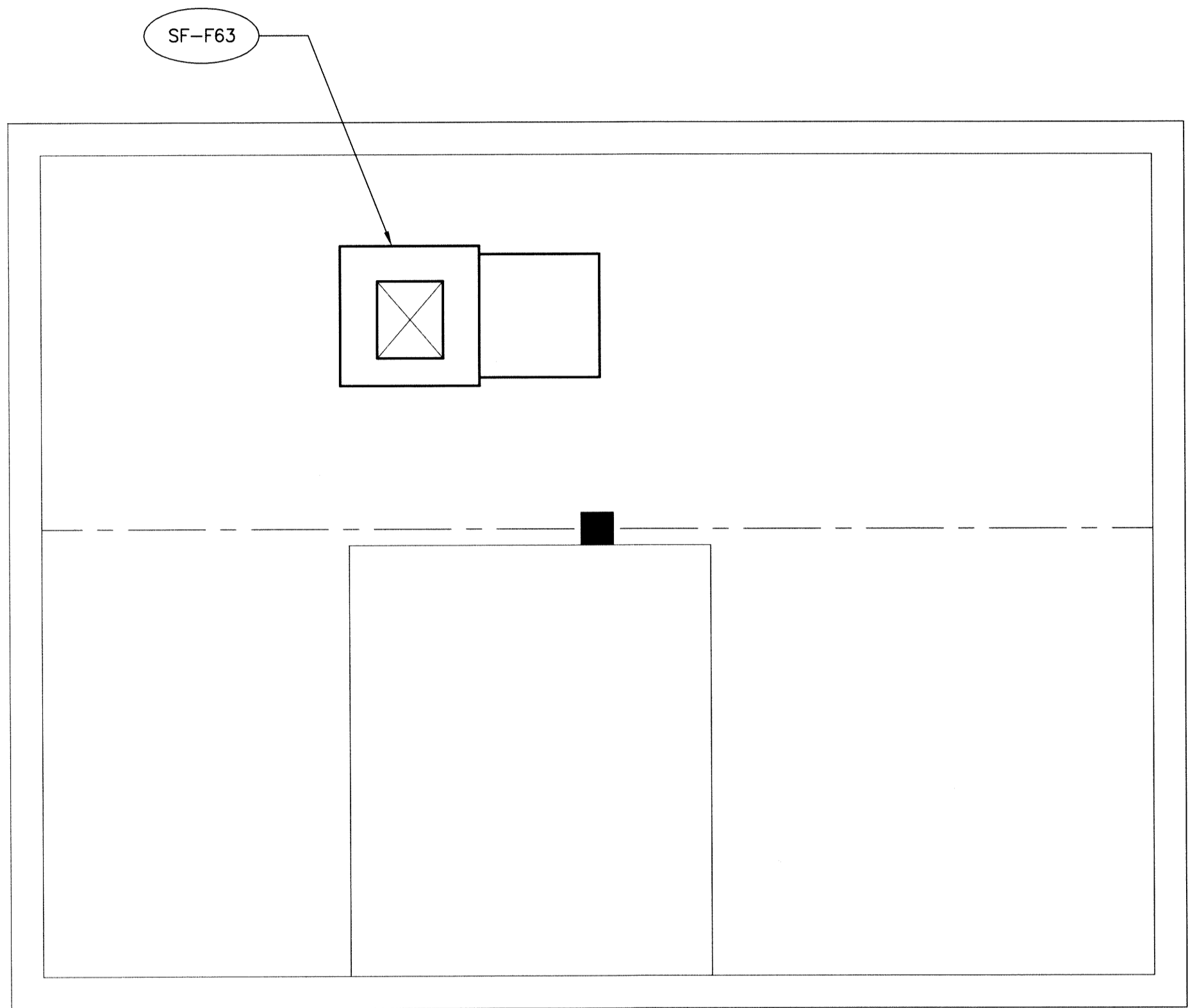


**1 MAIN FLOOR PLAN**  
 SCALE: 1:30



**2 ROOF PLAN**  
 SCALE: 1:30

- GENERAL NOTES:**
- EQUIPMENT LOCATIONS AND DUCT ROUTING INDICATED ON THE DRAWINGS IS APPROXIMATE ONLY. CONFIRM IN THE FIELD. REROUTE DUCTWORK AS REQUIRED TO ELIMINATE FIELD INTERFERENCES WITH BUILDING STRUCTURES, ELECTRICAL, ETC. CONFIRM CHANGES WITH CONTRACT ADMINISTRATOR. COORDINATE WORK WITH ALL SUBTRADES. WHERE DIMENSIONS ARE INDICATED FOR DUCTWORK, DUCT SIZES, EQUIPMENT SIZES, ETC. THESE ARE FOR BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO ORDERING EQUIPMENT AND COMMENCING INSTALLATION WITHOUT EXTRA CHARGES TO THE PROJECT. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL EQUIPMENT AND DUCTWORK FITS IN THE SPACE AVAILABLE AND TO MAINTAIN THE GENERAL DESIGN INTENT FOR THE SYSTEMS.
  - PROVIDE CUTTING AND PATCHING AND ALL PENETRATIONS. SEAL ALL PENETRATIONS AND DUCTWORK WATER, AIR, AND WEATHER TIGHT.
  - PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS AND CONFORM TO SMACNA STANDARDS FOR SUPPLY AND INSTALLATION OF DUCTWORK.
  - REVIEW EQUIPMENT LOCATIONS WITH CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION.
  - PAINT ALL DUCTWORK TO MATCH EXISTING.
  - INSULATE ALL MAIN FLOOR DUCTWORK.

- LEGEND:**
- NEW EQUIPMENT OR DUCTWORK
  - MD MOTORIZED DAMPER
  - FIL FILTER
  - SF SUPPLY FAN
  - L LOUVER
  - TAG NO.
  - 1200x1200 SIZE
  - 1000 FLOW RATE IN L/S
  - AIR FLOW
  - RECTANGULAR TO ROUND DUCT TRANSITION
  - T THERMOSTAT
  - FLEXIBLE DUCT CONNECTION
  - FIRE EXTINGUISHER
  - HCE DUCT HEATER

HVAC SCHEDULE		
TAG No.	MAKE/MODEL	COMMENTS
MD-F63-1	TAMCO 9000BF	900x600 C/W FAIL-CLOSED BELIMO 120V ACTUATOR. INTERLOCK WITH SF-F63.
SF-F63	GREENHECK SAF-115	SUMMER COOLING FAN FOR MAIN FLOOR ELECTRICAL ROOM. 600V/ 3PH/ 60Hz/ 1HP, 1416 L/s @ 88 Pa, C/W FILTERS, GPF ROOF CURB, GRAVITY BACKDRAFT DAMPER, DAMPER TRAY, CURB SEAL, AND DUCT ADAPTER. INTERLOCK WITH MD-F63-1.
SF-F64	GREENHECK SQ-130-VG	120V/ 1PH/ 60Hz/ 3/4 HP, 725 L/s @ 213 Pa, LEFT DISCHARGE C/W VARI-GREEN DC MOTOR, ALUMINUM CONSTRUCTION, MOTOR COVER, REMOTE DIAL, HANGING SPRING ISOLATORS, SUPPORTED FROM CEILING VIA HANGING THREADED RODS.
FIL-F64	DAFCO AEROSTAR SERIES 400SC	500x500x100 THK. MERV 8 FILTER. PROVIDE FILTER RACK.

LOUVER AND GRILLE SCHEDULE		
TAG No.	MAKE/MODEL	COMMENTS
L-1	PRICE DE635	900x600 ALUMINUM EXHAUST LOUVER C/W BIRDSCREEN. MOUNT BOTTOM OF LOUVER APPROX. 600mm ABOVE FLOOR LEVEL.
L-2	PRICE DE635	650x650 ALUMINUM INTAKE LOUVER C/W BIRDSCREEN.
L-3	PRICE DE635	650x650 ALUMINUM EXHAUST LOUVER C/W BIRDSCREEN.
G-1	PRICE 520	DOUBLE DEFLECTION SUPPLY GRILLE MOUNTED FLUSH TO CEILING.
G-2	-	OPEN-ENDED SUPPLY C/W ALUMINUM BIRDSCREEN.



FIELD BOOK #	
POSTED TO LBIS	
DESIGNED BY	DS
CHECKED BY	ML
DRAWN BY	ML
APPROVED BY	
HOR. SCALE	AS NOTED
VERTICAL	AS NOTED
ISSUED FOR CONSTRUCTION	14/12/17 DS
REVISIONS	DATE BY DATE 2014 04 22

**KGS GROUP**  
CONSULTING ENGINEERS

ENGINEER'S SEAL  
 PROVINCE OF MANITOBA  
 D.S. JHINGER  
 Member 23861  
 2014-12-18  
 D-M01

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

FLOOD PUMPING STATION UPGRADES  
 DUMOULIN STATION  
**MECHANICAL**  
 PLAN

SHEET 1 OF 1  
 CITY DRAWING NUMBER  
 1-0139F-M0001-001