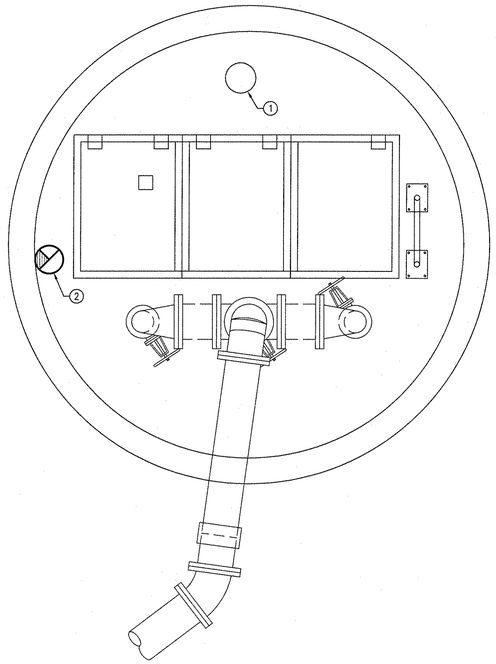
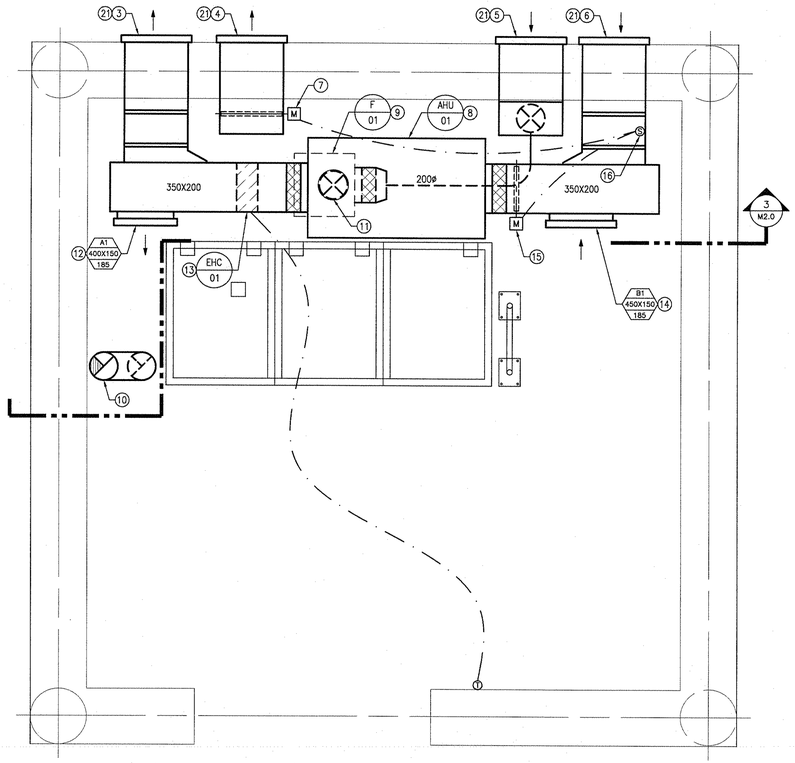
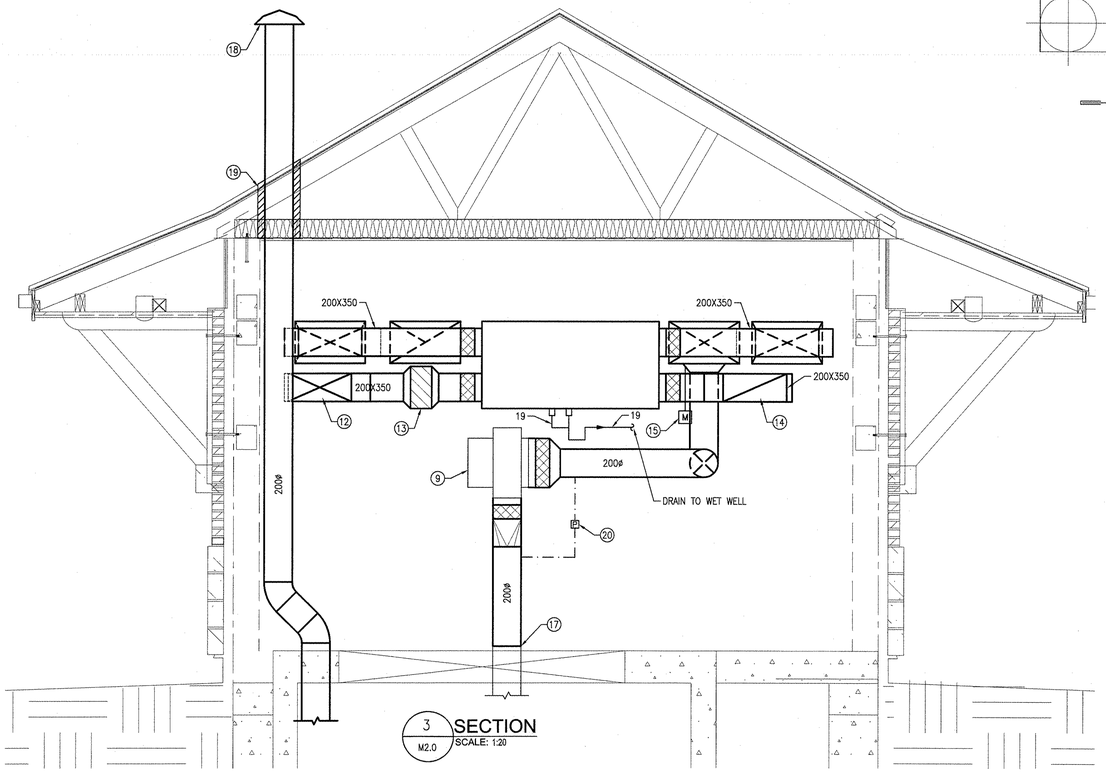


1 M2.0 INTERMEDIATE FLOOR PLAN - NEW CONSTRUCTION
SCALE: 1:20



2 M2.0 MAIN FLOOR PLAN - NEW CONSTRUCTION
SCALE: 1:20



3 M2.0 SECTION
SCALE: 1:20

GENERAL NOTES

A. DO NOT SCALE THIS DRAWING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE CONTRACT ADMINISTRATOR.

B. EXISTING MECHANICAL EQUIPMENT AND PIPING SHOWN BASED ON RECORD DRAWINGS AND ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL PERFORM A SITE WALK-THROUGH TO CONFIRM "AS-FOUND" CONDITION.

DRAWING NOTES (#)

1. EXISTING 200ø WET WELL SUPPLY AIR DUCTWORK TO REMAIN.
2. NEW 200ø WET WELL RELIEF AIR DUCTWORK THROUGH FLOORS OF DRY WELL AND MAIN LEVEL, FLOOR OPENINGS BY CONTRACTOR. COORDINATE THE EXACT LOCATIONS WITH DIVISION 15.
3. 450X350 EXHAUST AIR LOUVER.
4. 450X350 RELIEF AIR LOUVER.
5. 450X350 WET WELL INTAKE AIR LOUVER.
6. 450X350 MAIN LEVEL INTAKE AIR LOUVER.
7. DAMPER TO BE OPENED IN SUMMER. 450X350 MOTORIZED TAMCO 900 INSULATED DAMPER.
8. VENTILATOR EQUIPPED WITH HEAT RECLAIM EQUIPMENT (PLATE HEAT EXCHANGER), PROVIDE WITH RECIRCULATION DEFROST FUNCTION.
9. RELOCATE EXISTING FAN TO THIS APPROXIMATE LOCATION BELOW THE VENTILATOR.
10. NEW RELIEF AIR RISER OF WET WELL THROUGH THE ROOF.
11. CONNECT VENTILATION FAN DISCHARGE TO EXISTING 200ø WET WELL SUPPLY AIR DUCTWORK, EXACT LOCATION TO BE VERIFIED ON SITE.
12. SIDE WALL SUPPLY AIR GRILLE.
13. ELECTRIC HEATING COIL MOUNTED IN SUPPLY AIR DUCTWORK AND LOW VOLTAGE THERMOSTAT BY DIVISION 15. REFER TO MECHANICAL SPECIFICATION 15800.
14. RETURN AIR GRILLE.
15. DAMPER TO BE CLOSED IN SUMMER.
16. OUTDOOR AIR TEMPERATURE SENSOR LOCATED INSIDE THE INTAKE AIR DUCTWORK.
17. CONNECT TO EXISTING 200ø SUPPLY AIR RISER TO WET WELL.
18. 25mm SQUARE PATTERN GALVANIZED METAL MESH ON DUCT OPENING.
19. CONTRACTOR TO FLASH DUCT TO ROOFING.
20. DIVISION 15 TO INSTALL DIFFERENTIAL PRESSURE SENSOR BETWEEN FAN INLET AND OUTLET. WIRE TO EXISTING STATION CONTROL PANEL "MISSION GARDEN".
21. COORDINATE LOCATION WITH CONTRACTOR.

APEGM
Certificate of Authorization
SMS Engineering Ltd.
No. 166 Expiry: April 30, 2009

No.	REVISIONS	DATE	BY
4	ISSUED FOR BID OPPORTUNITY (REV.)	30.03.09	RL
3	ISSUED FOR BID OPPORTUNITY	27.03.09	RL
2	ISSUED FOR OWNER REVIEW	19.02.09	RL
1	ISSUED FOR REVIEW	28.11.08	RL

G.B.M. ELEV.

SMS ENGINEERING

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Telephone 204.775.0291 Fax 204.772.2153
sms@smseng.com

07-213-01

DESIGNED BY	TOS	CHECKED BY	RL
DRAWN BY	JC/JPL	APPROVED BY	RL
HOR. SCALE	AS NOTED	RELEASED FOR CONSTRUCTION SIGNED BY	K. ZUREK
VERT. SCALE	AS NOTED		
DATE	NOV. 2008	DATE	MARCH 27, 2009

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.W. LAVITT
Member 2924
REGISTERED PROFESSIONAL ENGINEER
29.03.12

BID OPPORTUNITY # : 901-2008
PLOT DATE : MARCH 30, 2009

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

REHABILITATION OF BOURNAIS WASTEWATER PUMPING STATION

MECHANICAL NEW CONSTRUCTION

CONSULTANT ACAD DWG. No.: M2.0
SHEET 13 OF 14
CITY DWG. NO. 8758

Mar 30, 2009 - 1:50pm
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