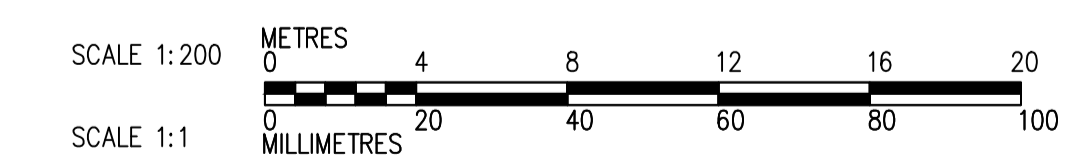


KEY PLAN
NOT TO SCALE
UNHATCHED AREAS DENOTES EXTENTS SHOWN ON DRAWING

MECHANICAL LEGEND	
	NEW PRIMARY STORM WATER DRAINAGE ABOVE FLOOR OR GRADE
	NEW SECONDARY STORM WATER DRAINAGE ABOVE FLOOR OR GRADE
	EXISTING PRIMARY STORM WATER DRAINAGE ABOVE FLOOR OR GRADE TO REMAIN
	EXISTING PRIMARY STORM WATER DRAINAGE BELOW FLOOR OR GRADE TO REMAIN
	PIPE CAP
	DIRECTION OF FLOW
	CLEANOUT
	ROOF DRAIN
	VENT
	SANITARY VENT
	VENT PIPE WITH METAL FLASHING
	EXHAUST FAN UNIT, CURBED
	FLUE VENT, CURBED
	GOOSE NECK VENTING, CURBED
	LOUVERED VENT HOOD, CURBED
	SCUPPER
	PLUMBING FIXTURE DESIGNATION
	FIRE STANDPIPE
	ROOF LADDER
	PLUMBING RISER REFERENCE - REFER TO DRAWINGS 1-0601B-H0038-001 AND 1-0601B-H0039-001 FOR SCHEMATICS



MECHANICAL - ROOF PLAN - NEW CONSTRUCTION
1 : 200 (WF, WR, WO & WC)

GENERAL NOTES

- ALL EQUIPMENT SHUT DOWN AND NOISY WORK TO BE PERFORMED IN ACCORDANCE WITH WORK HOURS AND NOISE RESTRICTIONS SET FORTH IN THE SPECIFICATION AND COORDINATED WITH CONTRACT ADMINISTRATOR.
- REVIEW ALL CONSTRUCTION DOCUMENTS, VERIFY ROUTING AND EQUIPMENT REMOVAL AND RE-INSTALLATION ETC. PRIOR TO PROCEEDING WITH WORK. REPORT ANY DISCREPANCIES TO CONTRACT ADMINISTRATOR.
- PERFORM COORDINATION BETWEEN ALL TRADES AS REQUIRED FOR REMOVAL AND RE-INSTALLATION OF EQUIPMENT. WHERE ADDITIONAL WORK REASONABLY INCIDENTAL TO THE ORIGINAL DESIGN INTENT IS REQUIRED DUE TO SITE CONDITIONS, IT SHALL BE PERFORMED AT NO ADDITIONAL COST.
- WHERE REMOVAL OF EQUIPMENT REQUIRES RE-INSULATING OR ADDITIONAL PATCHING, PERFORM WORK AT NO ADDITIONAL COST. ALL PATCHING AND RE-INSULATING TO MATCH EXISTING OR MEET THE MINIMUM REQUIREMENTS OF THE SPECIFICATION WHERE THE EXISTING CONDITION IS OF LESS QUALITY THAN THE SPECIFICATION.
- WHEN EQUIPMENT, DUCTING OR OTHER MECHANICAL ITEMS ARE REMOVED FROM ROOF AND REQUIRED TO BE RE-INSTALLED, STORE IN SAFE LOCATION TO PREVENT WEATHER OR PHYSICAL DAMAGE TO EQUIPMENT, DUCTING OR ANY OTHER MECHANICAL ITEMS.
- REFER TO BUILDING DRAWINGS FOR ROOF SLOPE INFORMATION.

KEY NOTES

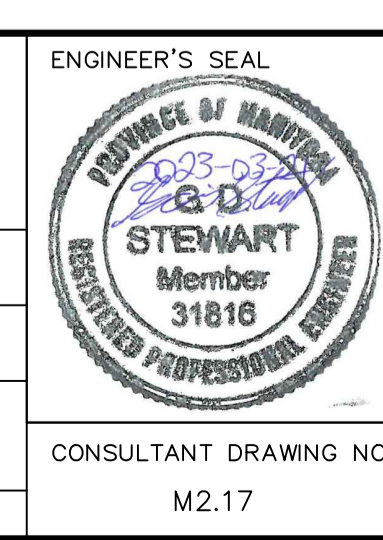
- SUPPLY AND INSTALL NEW PRIMARY ROOF DRAIN. ENSURE MINIMUM 48" BETWEEN DRAINS AS DRAWN. REFER TO MECHANICAL AND BUILDING DETAILS.
- SUPPLY AND INSTALL NEW SECONDARY OVERFLOW ROOF DRAIN. ENSURE MINIMUM 48" BETWEEN DRAINS AS DRAWN. REFER TO MECHANICAL AND BUILDING DETAILS.
- SUPPLY AND INSTALL NEW PRIMARY DRAINAGE SCUPPER AT LOW POINT OF ROOF. PROVIDE OPEN-FACED DOWNSPOUT AND CONCRETE SPLASH PAD. REFER TO BUILDING DETAILS.
- SUPPLY AND INSTALL NEW OVERFLOW SCUPPER WITH BOTTOM 10MM ABOVE MEMBRANE. REFER TO BUILDING DETAILS.
- SUPPLY AND INSTALL NEW SANITARY VENT STACK. REFER TO MECHANICAL AND BUILDING DETAILS.
- RE-INSTALL FAN ON NEW CURB.
- PROVIDE NEW CHIMNEY TERMINATION TO MATCH EXISTING.
- PROVIDE NEW GOOSE NECK. REFER TO MECHANICAL DETAIL.
- PROVIDE NEW NATURAL GAS RELIEF VENT ON NEW CURB. REPLACE TO BASE ELBOW AND PROVIDE FLEX CONNECTION OR SWING JOINT.
- RE-INSTALL EXISTING GOOSE NECK ON NEW CURB.
- FLASH AROUND EXISTING. REFER TO BUILDING DETAIL.
- RE-INSTALL LOUVERED INLETS ON NEW CURB.
- CONNECT NEW PRIMARY ROOF DRAIN TO EXISTING LEADER WHERE POSSIBLE.
- EXISTING OZONE AREA EXHAUST FAN TO REMAIN OPERATIONAL ENTIRE DURATION OF PROJECT. REFER TO BUILDING DRAWINGS FOR NEW FINISH ON CURB.

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10		
9		
8		
7		
6	1-0601B-H0034-001	PLUMBING WF, WR, WO & WC STORM DRAIN UPGRADES THIRD FLOOR PLAN
5	1-0601B-M0019-001	MECHANICAL ROOF DETAILS
4	1-0601B-B0076-009	BUILDING ROOF DETAILS 9 OF 9
3	1-0601B-B0076-003	BUILDING ROOF DETAILS 3 OF 9
2	1-0601B-B0076-002	BUILDING ROOF DETAILS 2 OF 9
1	1-0601B-B0068-001	BUILDING WF, WR, WO & WC ROOF PLAN



NO.	ISSUED FOR TENDER	DATE	BY
00	ISSUED FOR TENDER	23/03/21	GS
NO.	REVISIONS	DATE	BY

SMS Engineering 770 Bradford Street Winnipeg, Canada (204) 775-0291 22-284-01 smseng.com	
DESIGNED BY: GR	CHECKED BY: GS
DRAWN BY: GR	APPROVED BY: GS
SCALE: AS NOTED	RELEASED FOR CONSTRUCTION BY:
DATE: 2023/03/21	DATE:



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

DRINKING WATER TREATMENT PLANT
MAIN BUILDING
ROOF REPLACEMENT

MECHANICAL
WF, WR, WO & WC ROOF
PLAN

CITY FILE NUMBER: **W-1049**
SHEET 1 OF 1
CITY DRAWING NUMBER: 1-0601B-M0015-001

CONSULTANT DRAWING NO. M2.17