

McPHILLIPS RESERVOIR VALVE HOUSE ROOF REPLACEMENT

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DRAWING INDEX

WWD PROJECT #: W-1014
PROJECT TITLE: RESERVOIR ACCESS BUILDING ROOF REPLACEMENTS
BID OPPORTUNITY NO.: 921-2023

GENERAL

CITY OF WINNIPEG DRAWING NO.	CROSIER KILGOUR DRAWING NO.	REV.	DISCIPLINE	TITLE	DRAWING TYPE
1-640R-D0001-001	S1.11	00	GENERAL	DRAWING INDEX, NOTES, SCHEDULE & LEGENDS	N/A

BUILDING

CITY OF WINNIPEG DRAWING NO.	CROSIER KILGOUR DRAWING NO.	REV.	DISCIPLINE	TITLE	DRAWING TYPE
1-640R-B0001-001	S2.11	00	BUILDING	ROOF DEMOLITION	PLAN
1-640R-B0002-001	S2.12	00	BUILDING	ROOF	PLAN
1-640R-B0003-001	S4.11	00	BUILDING	ROOFING	DETAILS

GENERAL NOTES

- DO NOT SCALE THE DRAWINGS
- DESIGN CONFORMS TO MBC 2011, POST-DISASTER.
- ROOF UPLIFT DESIGN BASED ON CSA A123.21 REQUIREMENTS AS PER SPECIFICATIONS

FACTORED WIND LOADS : (IMPORTANCE FACTOR : 1.25 / LOAD FACTOR : 1.4)

- 4.34 KPA (CORNER ZONE 1.33M x 1.33M)
- 2.0 KPA (EDGE ZONE 1.3M)
- 1.44 KPA (FIELD)

- VERIFY ALL DIMENSIONS ON-SITE PRIOR TO ORDERING MATERIAL, FABRICATION AND COMMENCING CONSTRUCTION.
- COORDINATE WORK NEAR MECHANICAL AND ELECTRICAL SERVICES WITH THE CONTRACT ADMINISTRATOR.
- ACTUAL ON-SITE CONDITIONS MAY VARY FROM THAT SHOWN; INFORMATION SHOWN OBTAINED FROM ORIGINAL DRAWINGS. ONUS REMAINS WITH CONTRACTOR TO VERIFY ALL ON-SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR.
- PROTECT ALL AREAS DURING PERIODS WHEN OFF-SITE.
- ROOF DECK MUST BE PROTECTED FROM EXPOSURE TO MOISTURE AT ALL TIMES WHILE WORKING OR WHEN OFF-SITE. CONTRACTOR IS RESPONSIBLE FOR DAMAGE DUE TO LACK OF PROTECTION DURING CONSTRUCTION.
- CONTRACTOR TO ADHERE TO CITY OF WINNIPEG SITE SECURITY REQUIREMENTS. REFER TO TENDER DOCUMENTATION FOR DETAILED SECURITY REQUIREMENTS.
- COMPLETE ALL WORK (TEMPORARY SUPPORTS FOR EQUIPMENT AND BASES, DISCONNECTION AND CONNECTION OF EQUIPMENT AS NEEDED, MOVING AND LIFTING OF BASES, ETC.) REQUIRED FOR WATERPROOFING BENEATH EQUIPMENT AND BASES AS SHOWN ON DRAWINGS; USE QUALIFIED TRADE PERSONS AS REQUIRED. TEMPORARY SUPPORTS FOR WATERPROOFING BENEATH EQUIPMENT MUST BE DESIGNED TO HOLD SUPPORTED LOADS AND DISTRIBUTE THESE LOADS TO AVOID OVERSTRESSING ROOF AND INCLUDING STRUCTURAL DAMAGE. AVOID INTERRUPTION OF FUNCTIONING EQUIPMENT DURING ROOFING. UNAVOIDABLE INTERRUPTIONS MUST BE PLANNED WITH THE CONTRACT ADMINISTRATOR AND MAY BE SCHEDULED OUTSIDE NORMAL WORKING HOURS.
- PARAPET, CONCRETE BLOCK AND CLADDING ETC. TO BE PROTECTED WHEN LOADING AND UNLOADING MATERIALS ONTO AND OFF ROOF.

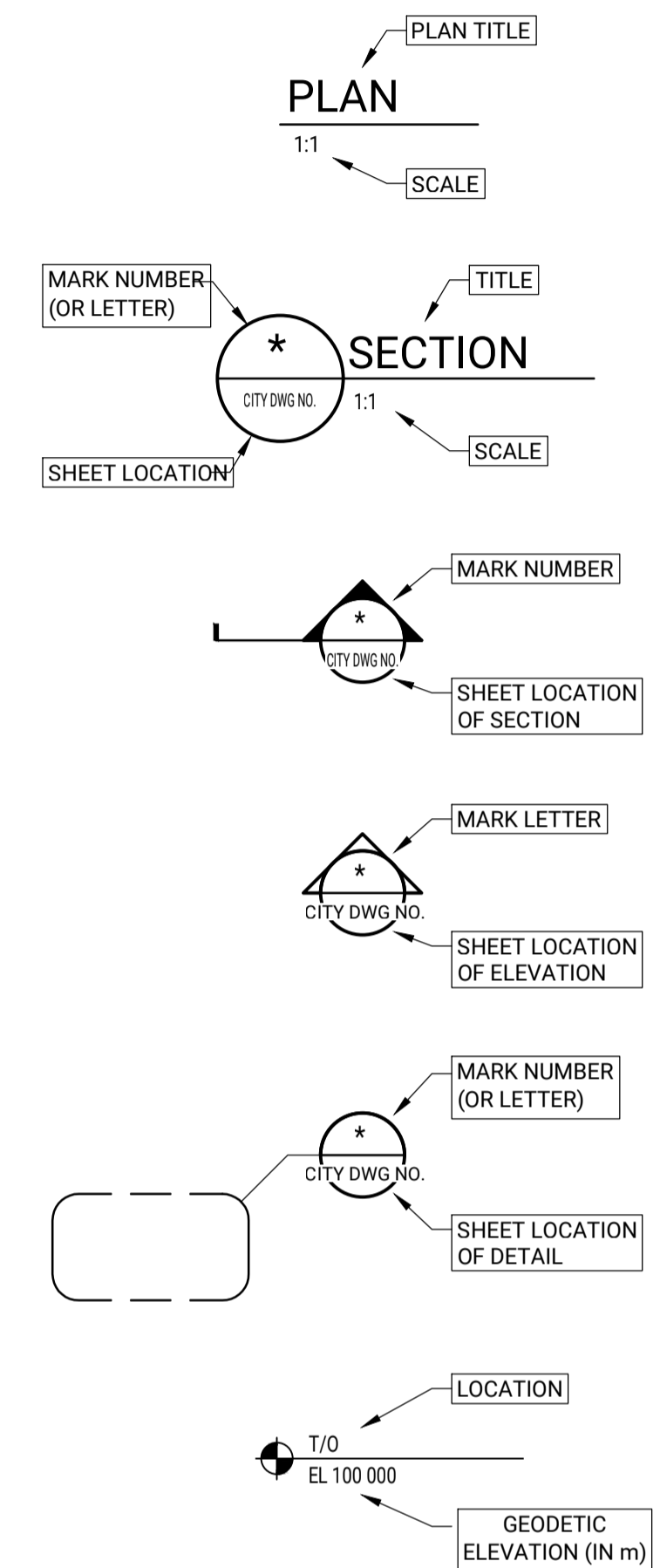
DEMOLITION NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR SITE PROTECTION AND ENVIRONMENTAL PROTECTION DURING EXISTING ROOFING REMOVAL OPERATION.
- CONTRACTOR TO PROVIDE PROTECTION TO PERSONNEL AND EQUIPMENT WORKING IN ADJACENT AREAS. PROVIDE OVERHEAD PROTECTIVE HOARDING AT ENTRANCES AND EXITS.
- MAKE SAFE ALL MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED AND INDICATED ON DRAWINGS.
- REMOVE FROM SITE ALL MATERIALS NOT REQUIRED.
- SEE SPECIFICATIONS FOR FURTHER INFORMATION REGARDING MATERIALS AND METHODS.
- PROTECTION IS REQUIRED AT THE VALVE HOUSE VENT SHAFT, TO PREVENT DEBRIS FROM ENTERING THE DRINKING WATER RESERVOIR. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.

ROOF PLAN LEGEND

- ROOF DRAIN
- VENT
- PIPE W/ METAL FLASHING
- ACCESS LADDER
- SCUPPER
- NEW SLOPE (1%)
- H.P. HIGH POINT
- L.P. LOW POINT
- NOT IN CONTRACT
- EXISTING ROOF FACET
- NEW ROOF FACET

SYMBOLGY LEGEND



ABBREVIATIONS

@	AT (SPACING)	MM	MILLIMETRE
±	PLUS/MINUS	MBC	MANITOBA BUILDING CODE
AVB	AIR VAPOUR BARRIER	MECH	MECHANICAL
C/W	COMPLETE WITH	MIN	MINIMUM
CONC	CONCRETE	NTS	NOT TO SCALE
CONT	CONTINUOUS	O/C	ON CENTRE
CSA	CANADIAN STANDARD ASSOCIATION	PFH	PHILLIPS FLAT HEAD
CSP	CONCRETE SURFACE PROFILE	REF	REFERENCE
DIA	DIAMETER	R/W	REINFORCE WITH
EL	ELEVATION	S/A	SELF ADHESIVE
EXIST	EXISTING	SBS	STYRENE-BUTADIENE-STYRENE
GA	GAUGE	SIM	SIMILAR
GALV	GALVANIZED	SL	SLAB
HWH	HEX WASHER HEAD	SS	STAINLESS STEEL
HP	HIGH POINT	T/O	TOP OF
INSUL	INSULATION	TYP	TYPICAL
KPA	KILOPASCAL	U/N	UNLESS OTHERWISE NOTED
LG	LONG	U/S	UNDERSIDE
LP	LOW POINT	W/	WITH
M	METRE		

HATCH LEGEND

	EXISTING CONCRETE		NEW CONCRETE
	EXISTING RIGID INSULATION		NEW RIGID INSULATION
	EXIST MINERAL WOOL		NEW MINERAL WOOL INSULATION
	EXISTING SUBSTRATE		NEW RIGID INSULATION (SLOPED)
	EXISTING STEEL		NEW PLYWOOD

 Certificate of Authorization Crosier Kilgour & Partners Ltd. No. 235	B.M. ELEV.				 Structural Engineering & Building Performance		 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	RESERVOIR ACCESS BUILDING ROOF REPLACEMENTS	CITY FILE NUMBER W-1014
								MCPHILLIPS RESERVOIR VALVE HOUSE	SHEET 1 OF 1
	0 ISSUED FOR TENDER	23/12/11	JAW				GENERAL	CITY DRAWING NUMBER	
	NO. REVISIONS	DATE	BY	DATE	2023/12/11		DRAWING INDEX, NOTES, SCHEDULE & LEGENDS		1-640R-D0001-001