




1. PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, AND WITH THE VENDOR INSTALLATION GUIDE.
2. DRAIN PIPING SHOWN IS INDICATIVE ONLY TO SHOW DESIGN INTENT.
3. THE CONTRACTOR SHALL PROVIDE A TRAINED AND CERTIFIED HEAT TRACE FACTORY REPRESENTATIVE TO PERFORM SYSTEM VERIFICATION, SYSTEM TESTING, COMMISSIONING AND START-UP.
4. HEATING CABLE LENGTHS SHOWN ARE APPROXIMATE AND SHOULD NOT BE CONSTRUED AS ACCURATE. CONFIRM EXACT LENGTHS ON SITE VIA FIELD MEASUREMENTS, AND WITH THE MECHANICAL DRAWING.
5. PROVIDE ALL REQUIRED MOUNTING AND SUPPORTS FOR TEMPERATURE CONTROLLER AND JUNCTION BOXES.
6. HEAT TRACE CABLEING TO BE STRAPPED TO THE EXTERIOR OF THE DRAIN PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DO NOT APPLY POWER CABLE ON OTHER SIDE OF TERMINALS.
7. NOT ALL EQUIPMENT FOR A COMPLETE HEAT TRACING SYSTEM IS SHOWN.
8. PROVIDE ONE INCH INSULATION AROUND PIPE.


SPECIFIC NOTES:

1. HEAT TRACE CABLE TO BE RUN TWICE ALONG THE UNDERSIDE OF THE DRAIN PIPING. PROVIDE ONE INCH INSULATION AROUND PIPE. PROVIDE HEAT TRACE CABLE PIPE STRAPS.
2. SET TEMPERATURE CONTROLLER TO HAVE A MAINTAIN TEMP. OF 5°C FOR FREEZE PROTECTION.
3. LOCATION OF TEMPERATURE CONTROLLER AND JUNCTION BOX ARE APPROXIMATE ONLY. REFER TO DRAWING 1-0640C-E0015 FOR OTHER EQUIPMENT BEING INSTALLED IN VESTIBULE.
4. RAYCHEM C75-100-A IS A HEATING CABLE GLAND KIT TO TRANSFER FROM POWER TO HEATING CABLE. KIT DOES NOT COME WITH ENCLOSURE. CONTRACTOR TO PROVIDE SEPARATE JUNCTION BOX TO HOUSE GLAND KIT EQUIPMENT. PROVIDE HAMMOND NEMA 4X, 6 IN X 6 IN X 4 IN (152 MM X 152 MM X 102 MM), STAINLESS STEEL JUNCTION BOX C/W TERMINAL BLOCKS. PART NUMBER C4XC5664SS OR APPROVED EQUAL IN ACCORDANCE WITH B7.
5. PROVIDE ANOTHER RAYCHEM C75-100-A IN A CONTRACTOR SUPPLIED JUNCTION BOX TO ACT AS AN ABOVE GROUND CABLE END SEAL. DO NOT INSTALL POWER CABLES IN THIS JUNCTION BOX. PROVIDE ANY ADDITIONAL EQUIPMENT AS REQUIRED BY THE MANUFACTURER TO ACT AS A CABLE END SEAL.
6. COORDINATE WITH STRUCTURAL CONTRACTOR TO ACCOMMODATE HEAT TRACE EQUIPMENT IN STRUCTURAL FLOOR.

DRAWING NUMBER	REFERENCE DRAWINGS



						<div> AtkinsRéalis</div> <div>148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7204-786-8080</div>	
						DESIGNED BY: V. ELIMBAN	CHECKED BY: V. ELIMBAN
						DRAWN BY: J. GRAGASIN	APPROVED BY: V. ELIMBAN
						SCALE: NTS	ISSUED FOR CONSTRUCTION BY: M. SKINNER
						DATE: 2024/03/05	DATE: 2025/04/30
00	ISSUED FOR TENDER AND CONSTRUCTION		2025/04/30	VE	VE	CONSULTANT NO.:	
NO.	REVISIONS		DATE	DESIGN	CHECK		

ENGINEER'S SEAL	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT			
	MCPHILLIPS PUMPING STATION CHLORINE SYSTEM UPGRADES ELECTRICAL - WIRING DIAGRAM CHLORINE BUILDING DRAIN PIPING HEAT TRACE, TEMP. CONTROLLER TC-C5032			
	CITY DRAWING NUMBER	SHEET	REV.	SIZE
	1-0640C-E0017	001	00	A1