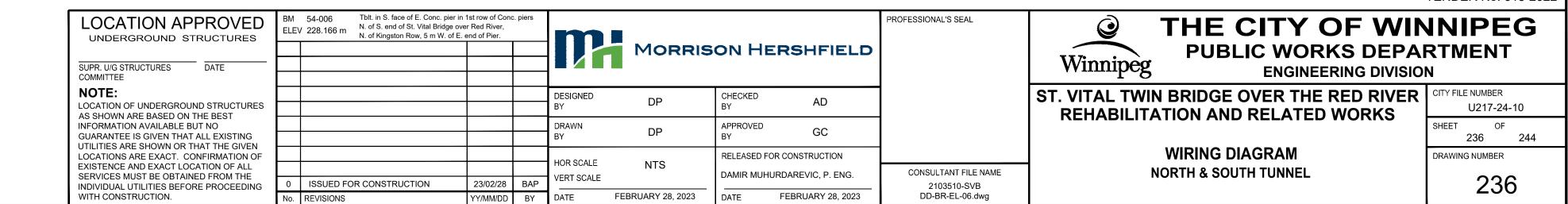


WIRING DIAGRAMS





METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

			PAN	RY TABLE F EL 'C' 100A MAIN E				
LOAD (WATTS) LOAD DESCRIPTION CIRCUIT No. BREAKER RATING RATING RATING No. LOAD DESCRIPTION LOAD DESCRIPTION LOAD DESCRIPTION (WAT								
1,200	NAVIGATION LIGHTS EAST	C RED 1 C BLK 3 C BLU 5	15A3P	15A3P	C RED 2 C BLK 4 C BLU 6	NAVIGATION LIGHTS WEST	1,200	
-	SPACE	C RED 7	-	-	C RED 8	SPACE	-	
-	SPACE	C BLK 9	-	-	C BLK 10	SPACE	-	
-	SPACE	C BLU 11	-	-	C BLU 12	SPACE	-	

LOAD SUMMARY TABLE FOR PANEL 'SMPG3 B' 600/347V, 3PH, 4W, 100A										
SUB-TOTAL LOAD (WATTS)	LOAD (WATTS)	CIRCUIT No.	BREAKER RATING	BREAKER RATING	CIRCUIT No.	LOAD DESCRIPTION	LOAD (WATTS)	SUB-TOTAL LOAD (WATTS)		
	11,163	SNOW MELTING	B RED 1	40A	40A	B RED 2	SNOW MELTING	11,163		
33,489	11,163	SNOW MELTING	B BLK 3	40A	40A	B BLK 4	SNOW MELTING	11,163	33,489	
	11,163	SNOW MELTING	B BLU 5	40A	40A	B BLU 6	SNOW MELTING	11,163		
-	-	SPACE	B RED 7	-	-	B RED 8	SPACE	-	-	
-	-	SPACE	B BLK 9	-	-	B BLK 10	SPACE	-	-	
-	-	SPACE	B BLU 11	-	-	B BLU 12	SPACE	-	-	

LOAD SUMMARY TABLE FOR PANEL 'SMPG3 E' 600/347V, 3PH, 4W, 100A									
SUB-TOTAL LOAD (WATTS)	LOAD LOAD LOAD DESCRIPTION			BREAKER RATING	BREAKER RATING	CIRCUIT No.	LOAD DESCRIPTION	LOAD (WATTS)	SUB-TOTAL LOAD (WATTS)
	10,980	SNOW MELTING	E RED 1	40A	40A	E RED 2	SNOW MELTING	10,980	
32,940	10,980	SNOW MELTING	E BLK 3	40A	40A	E BLK 4	SNOW MELTING	10,980	32,940
	10,980	SNOW MELTING	E BLU 5	40A	40A	E BLU 6	SNOW MELTING	10,980	
	5,964	SNOW MELTING	E RED 7	30A	-	E RED 8	SPACE	-	-
17,893	5,964	SNOW MELTING	E BLK 9	30A	-	E BLK 10	SPACE	-	-
	5,964	SNOW MELTING	E BLU 11	30A	-	E BLU 12	SPACE	-	-

TOTAL LOAD = 83,773W

TOTAL LOAD = 66978W

ENGINEERS
GEOSCIENTISTS
MANITOBA

Certificate of Authorization
MORRISON HERSHFIELD
No. 1736

TENDER No. 615-2022

LOAD

(WATTS)

LOAD DESCRIPTION

SPACE

SPACE

SPACE

SPACE

SPACE

SPACE

LOCATION APPROVED UNDERGROUND STRUCTURES	BM 54-006 Tblt. in S. face of E. Conc. pier in 1st row of Conc. piers N. of S. end of St. Vital Bridge over Red River, N. of Kingston Row, 5 m W. of E. end of Pier.				m	Morris	ON H	PROFESSIONAL'S SEAL		
SUPR. U/G STRUCTURES DATE COMMITTEE						Monne				Winn
NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST					DESIGNED BY	DP	CHECKED BY	AD		ST. VITAI REHA
INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN					DRAWN BY	DP	APPROVED BY	GC		NEIIA
LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE					HOR SCALE VERT SCALE			OR CONSTRUCTION	CONSULTANT FILE NAME	
INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	O No.	ISSUED FOR CONSTRUCTION REVISIONS	23/02/28 YY/MM/DD	BAP BY		BRUARY 28, 2023	DATE	FEBRUARY 28, 2023	2103510-SVB DD-BR-EL-07.dwg	

LOAD

(WATTS)

83,773

LOAD DESCRIPTION

SUPPLY E - SMPG 3

SPACE

SPACE

SPACE

Winnipeg

LOAD SUMMARY TABLE FOR

PANEL 'D'

600/347V, 3PH, 4W, 150A MAIN BREAKER

CIRCUIT BREAKER BREAKER CIRCUIT

RATING RATING

125A

D RED 2

D BLU 6

D RED 8

D BLK 10

D BLU 13

= 83,773W

D BLK 5

No.

D RED 1

D BLK 3

D BLU 5

D RED 7

D BLK 9

D BLU 11

TOTAL LOAD

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

ST. VITAL TWIN BRIDGE OVER THE RED RIVER
REHABILITATION AND RELATED WORKS

SHEET OF

ELECTRICAL
PANEL SCHEDULE

SHEET OF 239 244

DRAWING NUMBER

239