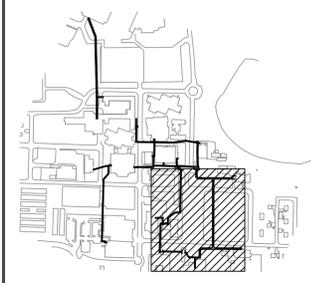


TENDER NOT FOR CONSTRUCTION



ASSOCIATION OF PROFESSIONAL ENGINEERS & GEOSCIENTISTS OF SASKATCHEWAN
CERTIFICATE OF AUTHORIZATION
AECOM Canada Ltd.
NUMBER C1667
PERMISSION TO CONSULT HELD BY:
DISCIPLINE: ELECTRICAL SASK. REG. No. 36101 SIGNATURE: [Signature]

Key Plan



Revision	Description	Date
E	Issued For Tender	19/09/30
D	Issued For 99% Review	19/06/21
C	Issued For 85% Review	19/03/15
B	Not Issued	-
A	Not Issued	-

Client

Public Works and Government Services Canada

Project title

Tunnel Revitalization

Designed by
B. Stewart
Drawn by
T. Shrufi
Approved by
B. Wolfater
PWGSC Project Manager
J. Dayman
Drawing title

Package 1 - TBU43
Electrical
SLD & Panelboard Schedule

Project no.	Drawing no.	Revision no.
1004259	E1.52	E

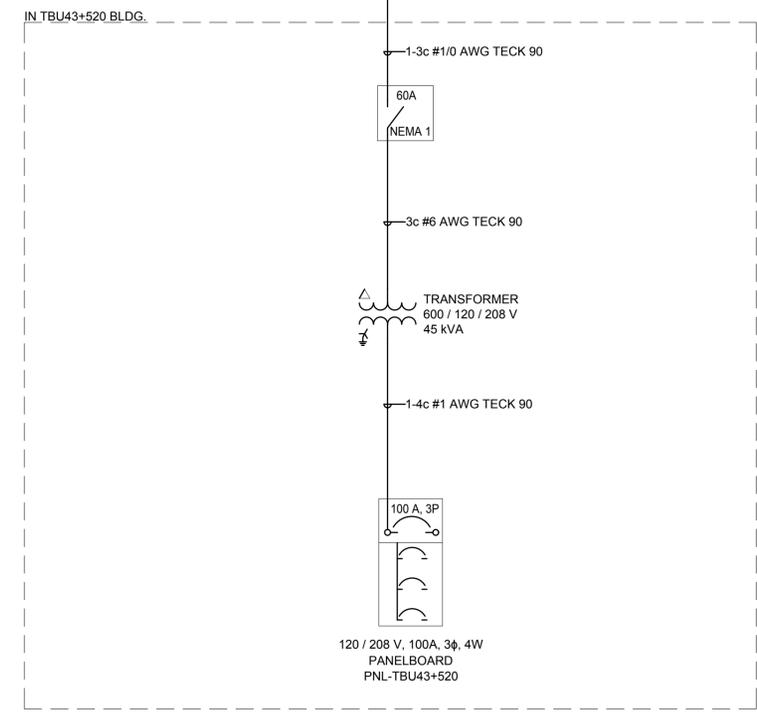
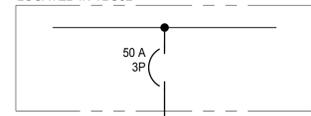
PANEL SCHEDULE

PANEL #:	PNL-TBU43+520		VOLTAGE:	120 / 208 V										
LOCATION:	TBU43+516 AIR SUPPLY BLDG		CONFIGURATION:	3 PHASE, 4 WIRE										
TYPE:	SURFACE		MAIN BREAKER:	100 A										
BUS RATING:	225 A, COPPER		MAIN LUGS:	NO										
CIRCUIT LOADING (A)	CIRCUIT DESCRIPTION	BKR SIZE	GFCI	CIRCUIT NO.		GFCI	BKR SIZE	CIRCUIT DESCRIPTION	CIRCUIT LOADING (A)					
				A	B				C					
1	INTERIOR LIGHTS	15	N	1	2	N	15	RCP-TBU43+520 RECEPTACLES	6					
2	INTERIOR LIGHTS	15	N	3	4	N	15	EMERG., EXIT LIGHT & LIFESAFETY		1				
	20-520-1-UH-1	15	N	5	6	N	15	RCP-NTBU43+240-NTBU43+220 TUNNEL RECEPTACLES			3			
6				7	8	N	15	RCP-NTBU43+220-NTBU43+200 TUNNEL RECEPTACLES	3					
	30-50-2-MUA-1	3P 25	N	9	10					3				
				11	12	N	3P 15	REC-43+520			3			
6	RCP-TBU43+520-TBU43+580 TUNNEL RECEPTACLES	15	N	13	14				3					
	RCP-TBU43+474-TBU43+520 TUNNEL RECEPTACLES	15	N	15	16	N	15	RCP-NTBU43+200-NTBU43+200-40 TUNNEL RECEPTACLES		3				
	RCP-TBU43+600-TBU43+640 TUNNEL RECEPTACLES	15	N	17	18									
1	TBU43-490 30-260-8-EX-1	15	N	19	20		2P 15	SPARE						
	NTBU43+200-50 30-260-8-EX-3	15	N	21	22	N	15	30-260-8-EX-1		1				
NOTE 2	RCP-NTBU43 SUMP PUMP 55-233-0-SP-4	20	N	23	24	N	15	30-260-8-EX-3			1			
	SPARE	3P 25	N	25	26	N	20	RCP-NTBU43 SUMP PUMP 55-233-0-SP-5	9.8					
				27	28	N	20	RCP-NTBU43 SUMP PUMP 55-233-0-SP-6		9.8				
				29	30	N	15	SPARE						
	SPARE	3P 15	N	31	32	N	20	SPARE						
				33	34	N	20	RCP-TBU43 SUMP PUMP SP-43+532		9.8				
				35	36	N	20	RCP-TBU43 SUMP PUMP SP-43+505			9.8			
	SPARE	2P 15	N	37	38			SPACE						
				39	40			SPACE						
	SPACE			41	42			SPACE						
14	17	21.8	SUBTOTAL LEFT (A)			SUBTOTAL RIGHT (A)			21.8	27.6	16.8			
									TOTAL LOADING (A)			35.8	44.6	38.6

NOTES:

- TUNNEL RECEPTACLES TO BE WIRED USING MINIMUM WIRE SIZE #10 AWG, AND MINIMUM GROUNDING WIRE #10 AWG.
- RUN #6 CABLE TO JUNCTION BOX TERMINALS, THEN RUN #10 AWG CABLE TO ADJACENT RECEPTACLE DEDICATED FOR 55-223-0-SP-4.
- RUN #4 CABLE TO JUNCTION BOX TERMINALS, THEN RUN #10 AWG CABLE TO ADJACENT RECEPTACLE DEDICATED FOR 55-223-0-SP-5.

PANEL 05-212-0-PNL60E, 347/600V, 3φ, 4w, 225A LOCATED IN TBU52



1 SINGLE LINE DIAGRAM
N.T.S

