

FILE NAME: 20150327E10.dwg  
 DATE: 2017.03.20  
 SHEET TITLE: ELEC - PANEL SCHEDULES  
 PROJECT No: 2016-037-02  
 ADDRESS: 1777 BRADY ROAD

PANEL 'B'		MOUNTING SURFACE		LOCATION		VOLTAGE		MAIN BUS		REMARKS		
		BASEMENT ELECTRICAL ROOM				347/600V - 3PH - 4W		225A		C/W LOCKABLE DOOR		
DESCRIPTION	LOAD WATTS	BKR AMP	CIRCUIT	BKR AMP	LOAD WATTS	DESCRIPTION						
LIGHTING: EXTERIOR POLE	786	15	1	31	2.4FLA 11.3A LRA	SMP-1 #12 AWG						
SPARE		15	2	32								
NIGHTLIGHT	112	15	3	33								
LIGHTING: BASEMENT	1146	15	4	34	2.4FLA 11.3A LRA	SMP-2 #12 AWG						
LIGHTING: BASEMENT	877	15	5	35								
LIGHTING: MAIN FLOOR	1437	15	6	36								
LIGHTING: MAIN FLOOR -MEN, WOMEN, KITCHEN	697	15	7	37	1750	BASEBOARD HEATERS #12AWG: STAIRS B01, MECH RM#2 B10, VACANT/FUTURE STORAGE B09						
SPARE		15	8	38	3250	BASEBOARD HEATERS #12AWG: STAIRS B08, VACANT/FUTURE STORAGE B09						
SPARE		15	9	39	3000	UH-1 #12AWG: MECH. RM#1 B02						
SPARE		15	10	40	4000	FF-2 #12AWG: VESTIBULE 115						
DHT-1 #12 AWG	9KW 9FLA	15	11	41	20	5000	BASEBOARD HEATERS #12AWG: GENERAL OFFICE (WEST WALL) 112, 113					
			12	42	20	4500	BASEBOARD HEATERS #12AWG: GENERAL OFFICE 112, LUNCH RM 108					
			13	43	20	3000	FF-1: STAIRS 110					
DHT-2 #12 AWG	9KW 9FLA	15	14	44	20	3000	BASEBOARD HEATERS #12AWG: MALE WIR 105, 106, 107					
			15	45	20	3000	FF-1 #12AWG: VESTIBULE 104					
			16	46	20	3000	BASEBOARD HEATERS #12AWG: FEMALE WIR 101, 102, 103					
AHL-1, FAN #12 AWG	5.6KW	15	17	47	20	3000	FF-1: STAIRS 119					
			18	48	20	5000	BASEBOARD HEATERS #12AWG: UTR 118, MULTI-PURPOSE 117, WAITING AREA 116					
			19	49	15							
AHL-1, HTR COIL #3 AWG	70KW	80	20	50	15							
			21	51	20							
			22	52	20							
CU-1 #8 AWG	29 FLA 40A, MOCBP	40	23	53	15							
			24	54	15							
			25	55	15							
			26	56	15							
			27	57	15							
			28	58	15							
			29	59	15							
			30	60	15							
TOTAL (WATTS)					148224							

PANEL 'BA'		MOUNTING SURFACE		LOCATION		VOLTAGE		MAIN BUS		REMARKS		
		BASEMENT ELECTRICAL ROOM				120/208V - 3PH - 4W		400A		C/W LOCKABLE DOOR BUILT-IN TVSS MINIMUM 160KA		
DESCRIPTION	LOAD WATTS	BKR AMP	CIRCUIT	BKR AMP	LOAD WATTS	DESCRIPTION						
HRV-1 #12 AWG	1500	15	1	22	30A, MOCBP	CU-2 #10 AWG						
			2	23								
			3	24	100	TRANSFORMER 120/24V FOR VAV, RM B09						
P-1 #12 AWG	600 7.4A	15	4	25	320	EMERGENCY BATTERY/LIGHTING BANK, ELEC RM B107						
			5	26	15	RECEPTACLE: MECH RM#1 B02						
P-2 #12 AWG	96	15	6	27	15	RECEPTACLE: MECH RM#1 B02						
COMP-1, COMP-2: MECH RM#1 B02	1080	15	7	28	15	RECEPTACLE: MECH RM#2 B10						
COMP-3, COMP-4: MECH RM#1 B02	1080	15	8	29	15	RECEPTACLE: VACANT/STORAGE RM B09						
COMP-5: MECH RM#2 B10	540	15	9	30	15	F-1: EXHAUST FAN, MECH RM#1 B02						
RECEPTACLE: ELEC. RM. B07		15	10	31	15	F-3: RADON FAN, MECH RM#1 B02						
RECEPTACLE: ELEC. RM. B07		15	11	32	15	1440	AC-1 ELEC. RM B07 #12 AWG					
RECEPTACLE: NETWORK RM. B06		15	12	33	15							
RECEPTACLE: NETWORK RM. B06		15	13	34	15							
RECEPTACLE: NETWORK RM. B06		15	14	35	15							
RECEPTACLE: FEMALE MUD/CHANGE RM B05		15	15	36	15							
RECEPTACLE: MALE MUD/CHANGE RM B03		15	16	37	15							
RECEPTACLE: WASHER, LAUNDRY B04		15	17	38	15							
DRYER #10 AWG		30	18	39			TVSS					
			19	40								
GRID INTERACTIVE INVERTER FOR SOLAR INSTALLATION	7500	40	20	41	200	TO PANEL "A" 4 #3/0 RW90 IN 63mm CONDUIT WITH #3 CU GRD.						
WARNING: INVERTER CONNECTION. DO NOT RELOCATE OVER-CURRENT DEVICE.			21	42								
TOTAL (WATTS)					21740							

PANEL 'P'		MOUNTING SURFACE		LOCATION		VOLTAGE		MAIN BUS		REMARKS	
		PARKING LOT				120/208V - 3PH - 4W		225A		C/W LOCKABLE DOOR	
DESCRIPTION	LOAD WATTS	BKR AMP	CIRCUIT	BKR AMP	LOAD WATTS	DESCRIPTION					
RECEPTACLE: STALL 13		15	1	22	15	RECEPTACLE: STALL 34					
RECEPTACLE: STALL 14		15	2	23	15	RECEPTACLE: STALL 35					
RECEPTACLE: STALL 15		15	3	24	15	RECEPTACLE: STALL 36					
RECEPTACLE: STALL 16		15	4	25	15	RECEPTACLE: STALL 37					
RECEPTACLE: STALL 17		15	5	26	15	RECEPTACLE: STALL 38					
RECEPTACLE: STALL 18		15	6	27	15	RECEPTACLE: STALL 39					
RECEPTACLE: STALL 19		15	7	28	15	RECEPTACLE: STALL 40					
RECEPTACLE: STALL 20		15	8	29	15	RECEPTACLE: STALL 41					
RECEPTACLE: STALL 21		15	9	30	15	RECEPTACLE: STALL 42					
RECEPTACLE: STALL 22		15	10	31	15	RECEPTACLE: STALL 43					
RECEPTACLE: STALL 23		15	11	32	15	RECEPTACLE: STALL 44					
RECEPTACLE: STALL 24		15	12	33	15						
RECEPTACLE: STALL 25		15	13	34	50	RECEPTACLE: RV					
RECEPTACLE: STALL 26		15	14	35	15						
RECEPTACLE: STALL 27		15	15	36	15						
RECEPTACLE: STALL 28		15	16	37	15						
RECEPTACLE: STALL 29		15	17	38	15						
RECEPTACLE: STALL 30		15	18	39	15						
RECEPTACLE: STALL 31		15	19	40	15						
RECEPTACLE: STALL 32		15	20	41	15						
RECEPTACLE: STALL 33		15	21	42	20						
TOTAL (WATTS)					26840						

- NOTES:**
- THESE DRAWINGS SHALL NOT BE SCALED. CONSULT WITH CLIENT AND DESIGNER ON ANY CONCERNS.
  - DIMENSIONS & UNITS SHOWN IN WHOLE NUMBERS ARE IN MILLIMETRES (mm).
  - DIMENSIONS & UNITS SHOWN TO DECIMAL PLACES ARE IN METRES (M).
  - ALSO REFER TO SHEET E1 & ELECTRICAL SPECIFICATIONS.

COMPONENT	BRAND	MODEL	RATING	QUANTITY
BIFACIAL SOLAR PANELS	LG 72 CELL	380N2T	380W	20
DC-AC STRING INVERTER	FRONIUS	IG-PLUS 7.5-1	7500W	1
DC DISCONNECT SWITCH	TBD AT INSTALLATION		TBD AT INSTALLATION	1
AC DISCONNECT SWITCH	TBD AT INSTALLATION		TBD AT INSTALLATION	2
MAIN PANEL/BREAKER	TBD AT INSTALLATION		TBD AT INSTALLATION	1
HOME-RUN-CABLE	TBD AT INSTALLATION		10 AWG	100FT (TBC)

PANEL 'A'		MOUNTING SURFACE		LOCATION		VOLTAGE		MAIN BUS		REMARKS	
		FLUSH		MAIN FLOOR KITCHEN		120/208V - 3PH - 4W		225A		FED FROM PANEL "BA" C/W LOCKABLE DOOR, BUILT-IN TVSS MIN. 160KA	
DESCRIPTION	LOAD WATTS	BKR AMP	CIRCUIT	BKR AMP	LOAD WATTS	DESCRIPTION					
LIGHTING: GENERAL OFFICE 112, 113; MP 117	580	15	1	22	15	AUTO DOOR: STAIRS 110					
LIGHTING: LIVING WALL	259	15	2	23	15	AUTO DOOR: STAIRS 110					
SPARE		15	3	24	15	RECEPTACLE: FRIDGE: LUNCH 108					
SPARE		15	4	25	20	RECEPTACLE: COUNTER: LUNCH 108					
SPARE		15	5	26	20	RECEPTACLE: COUNTER: LUNCH 108					
SPARE		15	6	27	15	RECEPTACLE RANGE HOOD: LUNCH 108					
AUTO DOOR: VESTIBULE 115		15	7	28	15	RECEPTACLE MICROWAVE: LUNCH 108					
AUTO DOOR: VESTIBULE 115		15	8	29	20	RECEPTACLE COUNTER: LUNCH 108					
JUNCTION BOX: CEILING, GENERAL OFFICE 113		15	9	30	20	RECEPTACLE COUNTER: LUNCH 108					
JUNCTION BOX: CEILING, GENERAL OFFICE 113		15	10	31	15	RECEPTACLE DISHWASHER: LUNCH 108					
JUNCTION BOX: CEILING, GENERAL OFFICE 113		15	11	32	15	RECEPTACLE MICROWAVE: LUNCH 108					
JUNCTION BOX: CEILING, GENERAL OFFICE 112		15	12	33	15	RECEPTACLE FRIDGE: LUNCH 108					
JUNCTION BOX: CEILING, GENERAL OFFICE 112		15	13	34	15	SPARE					
JUNCTION BOX: CEILING, GENERAL OFFICE 112		15	14	35	15	RECEPTACLE: LUNCH 108					
JUNCTION BOX: CEILING, GENERAL OFFICE 112		15	15	36	15	AUTO DOOR: MALE 105, 106, 107					
JUNCTION BOX: CEILING, GENERAL OFFICE 112		15	16	37	15	RECEPTACLE: MALE 105, 106, 107					
JUNCTION BOX: CEILING, GENERAL OFFICE 112		15	17	38	15	AUTO DOOR: VESTIBULE 104					
JUNCTION BOX: CEILING, GENERAL OFFICE 112		15	18	39	15	AUTO DOOR: VESTIBULE 104					
RECEPTACLE: GENERAL OFFICE 112		15	19	40	15	AUTO DOOR: FEMALE 101, 102, 103					
RECEPTACLE COUNTER: COPY/SUPPLIES 111	20	20	20	41	15	RECEPTACLE: FEMALE 101, 102, 103					
RECEPTACLE (DEDICATED): COPY/SUPPLIES 111	15	21	42	15	JUNCTION BOX: CEILING, GENERAL OFFICE 123						

PANEL 'A'		MOUNTING SURFACE		LOCATION		VOLTAGE		MAIN BUS		REMARKS		
		FLUSH		MAIN FLOOR KITCHEN		120/208V - 3PH - 4W		225A		FED FROM PANEL "BA" C/W LOCKABLE DOOR, BUILT-IN TVSS MIN. 160KA		
DESCRIPTION	LOAD WATTS	BKR AMP	CIRCUIT	BKR AMP	LOAD WATTS	DESCRIPTION						
JUNCTION BOX: CEILING, GENERAL OFFICE 123		15	43	64	15	RECEPTACLE: MULTI-PURPOSE RM 117						
JUNCTION BOX: CEILING, GENERAL OFFICE 123		15	44	65	15	RECEPTACLE: MULTI-PURPOSE RM 117						
JUNCTION BOX: CEILING, GENERAL OFFICE 123		15	45	66	15	RECEPTACLE: MULTI-PURPOSE RM 117						
AUTO DOOR: STAIRS 119		15	46	67	15	EBB-2: JANITOR 120						
AUTO DOOR: STAIRS 119		15	47	68	15	100	TRANSFORMER 120/24V FOR VAV, JANITOR 120					
RECEPTACLE: WATER FOUNTAIN		15	48	69	15	RECEPTACLE: NORTH EXTERIOR						
RECEPTACLE: JANITOR 120		15	49	70	15	RECEPTACLE: SOUTH EXTERIOR						
RECEPTACLE: OFFICE 124		15	50	71	15	RECEPTACLE: P-3, RAINWATER, EAST EXTERIOR						
RECEPTACLE: OFFICE 124		15	51	72	15	RECEPTACLE: P-4, RAINWATER, EAST EXTERIOR						
RECEPTACLE: OFFICE 125		15	52	73	15							
RECEPTACLE: OFFICE 125		15	53	74	15							
RECEPTACLE: OFFICE 125		15	54	75	15							
RECEPTACLE: OFFICE 126		15	55	76	15							
RECEPTACLE: OFFICE 126		15	56	77	15							
RECEPTACLE: OFFICE 127		15	57	78	15							
RECEPTACLE: OFFICE 127		15	58	79	15							
RECEPTACLE: OFFICE 128		15	59	80	15							
RECEPTACLE: OFFICE 128		15	60	81	15							
RECEPTACLE: CORRIDOR 121, UTR 118		15	61	82	15							
SPARE		15	62	83	15							
RECEPTACLE: CEILING PROJECTOR - MP 117		15	63	84	15							
TOTAL (WATTS)					38920							

0	ISSUED FOR CONSTRUCTION	DTA	2017
No.	REVISION/DESCRIPTION	BY	DATE

SEAL

DRAWN	DTA	CHECKED	DTA	DESIGNED	DTA	APPROVED
DATE	2017.03.20	USER	APPROVAL			

THE CITY OF WINNIPEG  
 PLANNING, PROPERTY AND  
 DEVELOPMENT DEPARTMENT  
 MUNICIPAL ACCOMMODATIONS DIVISION  
 3-65 GARRY STREET, R3C 4K4

PROJECT  
 BRADY ROAD LANDFILL  
 ADMINISTRATION BUILDING  
 DEVELOPMENT FOR BRADY LANDFILL  
 1777 BRADY ROAD

SHEET TITLE

ELECTRICAL  
PANEL SCHEDULES

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2015-037-02	E7