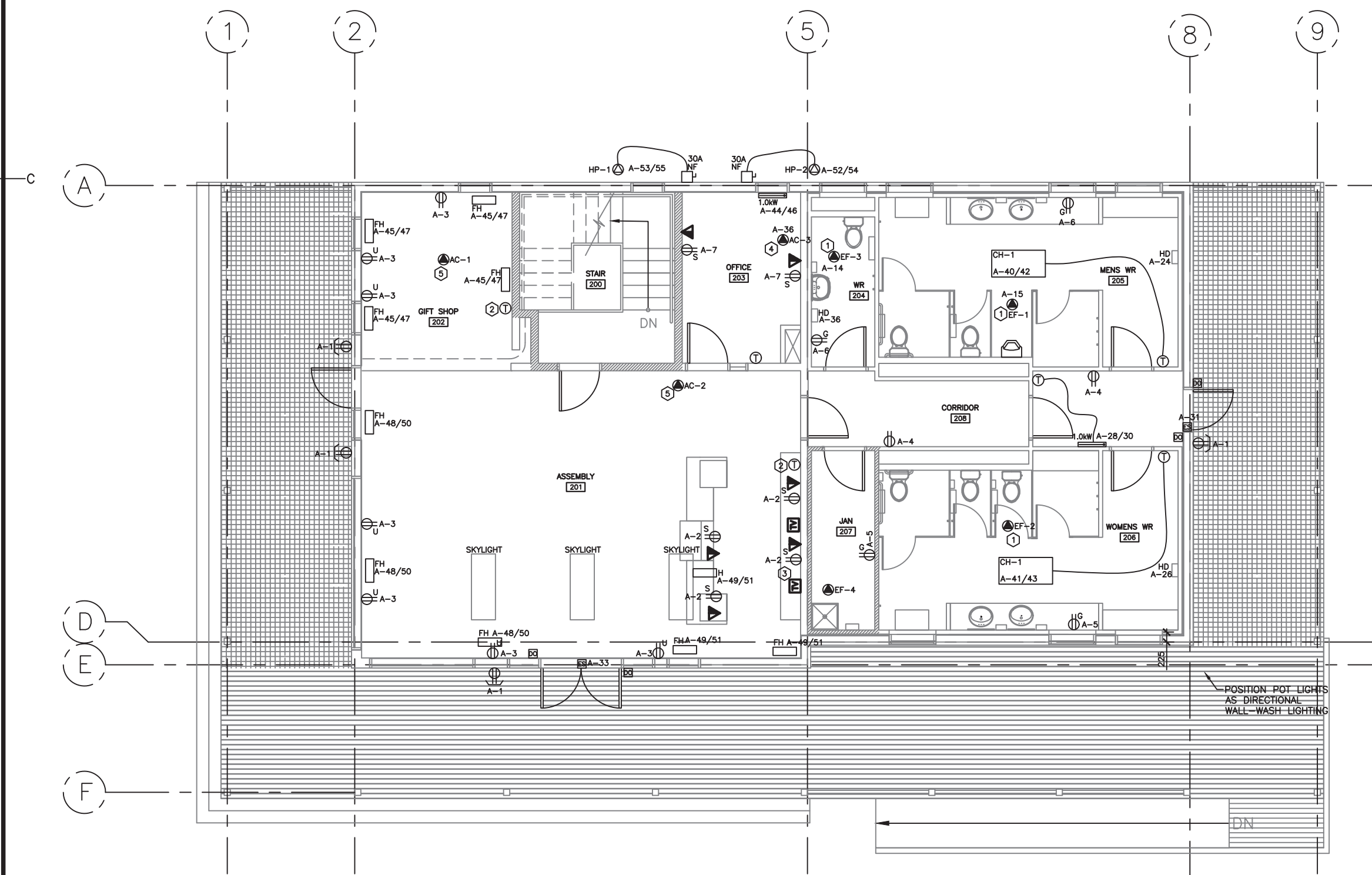
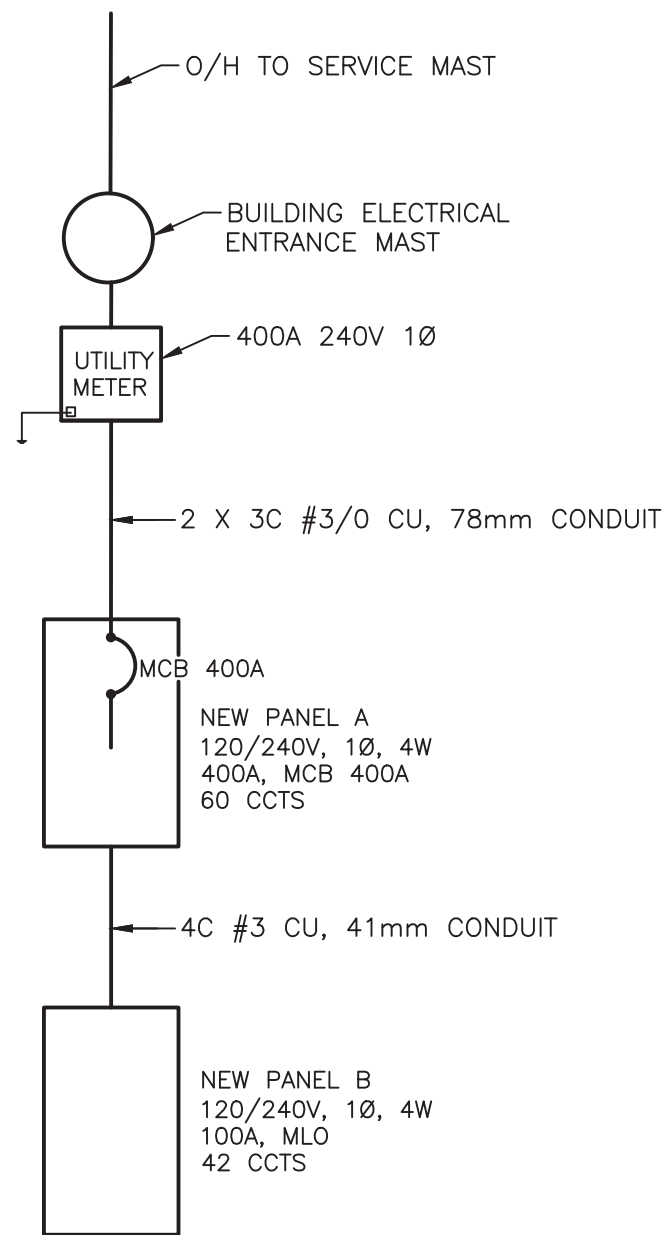


**1 BASEMENT ELECTRICAL**  
SCALE: 1:100



**2 FIRST FLOOR ELECTRICAL**  
SCALE: 1:100



**4 NEW SINGLE LINE**  
SCALE: NTS

VOLTS	120V/240V	PANEL	PANEL 'A'				MCB: 400A			
PHASE	1Ø	SIZE	400A							
WIRE	4W	LOCATION	ELEC. RM							
DESIGNATION		WATTAGE	BKR	CCT#	A	B	CCT#	BKR	WATTAGE	DESIGNATION
EXTERIOR RECEPTACLES		600		15	1	X	2	15	540	RECEPTACLES POS AREA
RECEPTACLES ASSEMBLY AREA		540		15	3	X	4	15	360	RECEPTACLES CORRIDOR 208
RECEPTACLES WOMENSWR&JAN		540		15	5	X	6	15	540	RECEPTACLES MENS WR & WR
RECEPTACLES OFFICE 203		360		15	7	X	8	15	780	PATIO LIGHTING
PATIO LIGHTING		720		15	9	X	10	15	360	PATIO LIGHTING
LIGHTING ASSEMBLY		540		15	11	X	12	15	300	LIGHTING STAIRS
LIGHTING OFFICE 203		240		15	13	X	14	15	150	LIGHTING WR 204
LIGHTING MENS WR		600		15	15	X	16	15	240	LIGHTING CORRIDOR 208
LIGHTING WOMENS WR		600		15	17	X	18	15	100	LIGHTING JAN RM
SPARE		540		15	19	X	20	15		SPARE
SPARE		360		15	21	X	22	15		SPARE
SURGE PROTECTION (TVSS)				23	X	24	20		1000	HAND DRYER MENS WR
			30	25	X	26	20	1000		HAND DRYER WOMENS WR
PANEL 'B' ELEC. ROOM		7670	100	27	X	28	20		1500	CORRIDOR FORCE FLOW HEAT
		7670		29	X	30	20	1500		
DOOR HARDWARE WASHROOMS		150	15	31	X	32	20		1100	SITE LIGHTING
DOOR HARDWARE ENTRANCE		150	15	33	X	34	15	200		EXTERIOR LIGHTING CONTACTOR
				15	35	X	36	20	1000	HAND DRYER STAFF WR
LIGHTING GIFT SHOP		240	15	37	X	38	15	300		EMERGENCY AND EXIT LIGHTS
EMERGENCY AND EXIT LIGHTS		200	15	39	X	40		15	750	CEILING HEAT MENS WR
CEILING HEAT WOMENS WR		750	15	41	X	42		750		HEATING OFFICE 203
		750		43	X	44	20	500		
GIFT SHOP FLOOR HEATING		2000	20	45	X	46		500		ASSEMBLY FLOOR HEATING
		2000		47	X	48	20	1500		
ASSEMBLY FLOOR HEATING		1500	20	49	X	50		1500		HEAT PUMP 1
		1500		51	X	52	25	2600		
HEAT PUMP 2		1400	15	53	X	54		2600		
		1400		55	X	56	15			
SPARE			15	57	X	58	15			SPARE
SPARE			15	59	X	60	15			SPARE
PHASE LOAD		16770 0	16250 0					10040 0	11630 0	
TOTAL LOAD		54690	NOTES:							

VOLTS	120V/240V	PANEL	PANEL 'B'						MLO						
PHASE	1Ø	SIZE	100A												
WIRE	4W	LOCATION	ELEC. RM												
DESIGNATION		WATTAGE	BKR	CCT#	A	B	CCT#	BKR	WATTAGE	DESIGNATION					
LIGHTING STORAGE& CORRIDOR		300		15	1	X		2	15	540	RECEP. STORAGE& CORRIDOR				
LIGHTING UNASSIGNED 102			300	15	3	X	4	15		540	RECEP. UNASSIGNED 102				
LIGHTING M&E ROOMS		120		15	5	X		6	15	360	RECEP. M&E ROOMS				
LIGHTING UNASSIGNED 107			120	15	7	X	8	15		360	RECEP. UNASSIGNED 107				
LIGHTING EMERGENCY		200		15	9	X		10	15		SPARE				
SPARE				15	11	X	12	15			SPARE				
SPARE				15	13	X		14		2250	HOT WATER TANK (HWT)				
HEATING STORAGE 101			750	20	15	X	16		30						2250
			750		20	17	X		18	15	1000	HRV			
HEATING UNASSIGNED 102			1500	20	19	X	20	15		500	SUMP PUMP (P-1)				
			1500		20	21	X	22	15	500	HEATING M&E ROOMS				
HEATING UNASSIGNED 107			500	15	23	X	24	15		500	SUMP LIFT STATION CONTROL PANEL				
			500		15	25	X	26		40					
				15	27	X	28								
				15	29	X	30	15							
				15	31	X	32	20							
				15	33	X	34	15							
				15	35	X	36	20							
				15	37	X	38	15							
				15	39	X	40	15							
				15	41	X	42								
PHASE LOAD		3370	3170							4650	4150				
TOTAL LOAD		15340		NOTES: PANEL 'B' CONTAINS BASEMENT CIRCUITS											

NOTES: PANEL 'B' CONTAINS BASEMENT CIRCUITS

#	DESCRIPTION
1	EXHAUST FAN (EF-#) SHALL BE INTERLOCKED WITH MOTION SENSOR. FAN SHALL RUN FOR ADDITIONAL 15 MIN AFTER SENSOR IS DEACTIVATED.
2	MECHANICAL EQUIPMENT CONTROLLER/THERMOSTAT SUPPLIED BY MECHANICAL. CONTRACTOR SHALL SUPPLY AND INSTALL RELAYS AND ASSOCIATED WIRING (ONE FOR EACH FLOOR INSERT HEATER CIRCUIT) FOR INTER-CONNECTION WITH AUXILIARY HEATING
3	TV ABOVE MILLWORK. OUTLET BOX BEHIND TV TO INCLUDE COMMUNICATIONS AND POWER (RECEPTACLE). TV OUTLET SHALL BE CONNECTED TO MILLWORK BELOW FOR USE WITH DVR/DVD/TV CONNECTED DEVICE(S).
4	AC-3 FED FROM HP-2. CONTRACTOR SHALL SUPPLY AND INSTALL ELECTRICAL CONNECTIONS FROM HP-2 TO AC-3.
5	AC-1, & AC-2 ARE FED FROM HP-1. CONTRACTOR SHALL SUPPLY AND INSTALL ELECTRICAL CONNECTIONS FROM HP-1 TO AC-1, & 2.

TAG	DESCRIPTION	VOLTAGE	PHASE	WATTAGE	CONTROLS
BB	BASEBOARD HEATER	240	1	AS INDICATED ON PLANS	LOCAL IN-LINE THERMOSTAT
CH	CEILING MOUNTED RADIANT PANEL HEATER	240	1	1000W	LOCAL IN-LINE THERMOSTAT
FH	FLOOR INSERT FAN HEATER.	240	1	1000W	MECHANICAL AC UNIT CONTROLLER SHALL ACTIVATE FLOOR INSERT FAN HEATERS WHEN IN AUXILIARY HEAT MODE. CONTRACTOR SHALL INSTALL A RELAY TO ACTUATE EACH FLOOR INSERT FAN HEATER CIRCUIT. CONTRACTOR SHALL INSTALL LOW-VOLTAGE WIRING FROM HEATING RELAYS TO MECHANICAL AC UNIT CONTROLLER. FLOOR INSERT HEATERS IN THE ASSEMBLY AREA ASSOCIATED MECHANICAL AC-2 CONTROLLER. HEATERS IN THE GIFT SHOP AREA ASSOCIATED WITH AC-1 CONTROLLER.

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4	ISSUED FOR TENDER	05/08/2017
3	ISSUED FOR 99% REVIEW	04/07/2017
2	ISSUED FOR 99% REVIEW	01/19/2017
1	ISSUED FOR 50% REVIEW	11/01/2016
0	DESIGN DEVELOPMENT	09/09/2016
revisions		date

project  
project  
**WEST GATE ENTRANCE  
VISITOR RECEPTION CENTER  
WOLFE LAKE  
FUNDY, NB  
ALBERT COUNTY**

drawing  
dessin  
**ELECTRICAL  
POWER AND  
COMMUNICATIONS**

designed KMC  
conçu  
date  
drawn JDB  
dessiné  
date  
approved  
approuvé  
date  
Tender  
Soumission  
PWGSC Project Manager  
Administrateur de projets TPSCG  
2017/05/10  
project number  
no. du projet  
**R.075853.001**  
drawing no.  
no. du dessin  
**E2**