

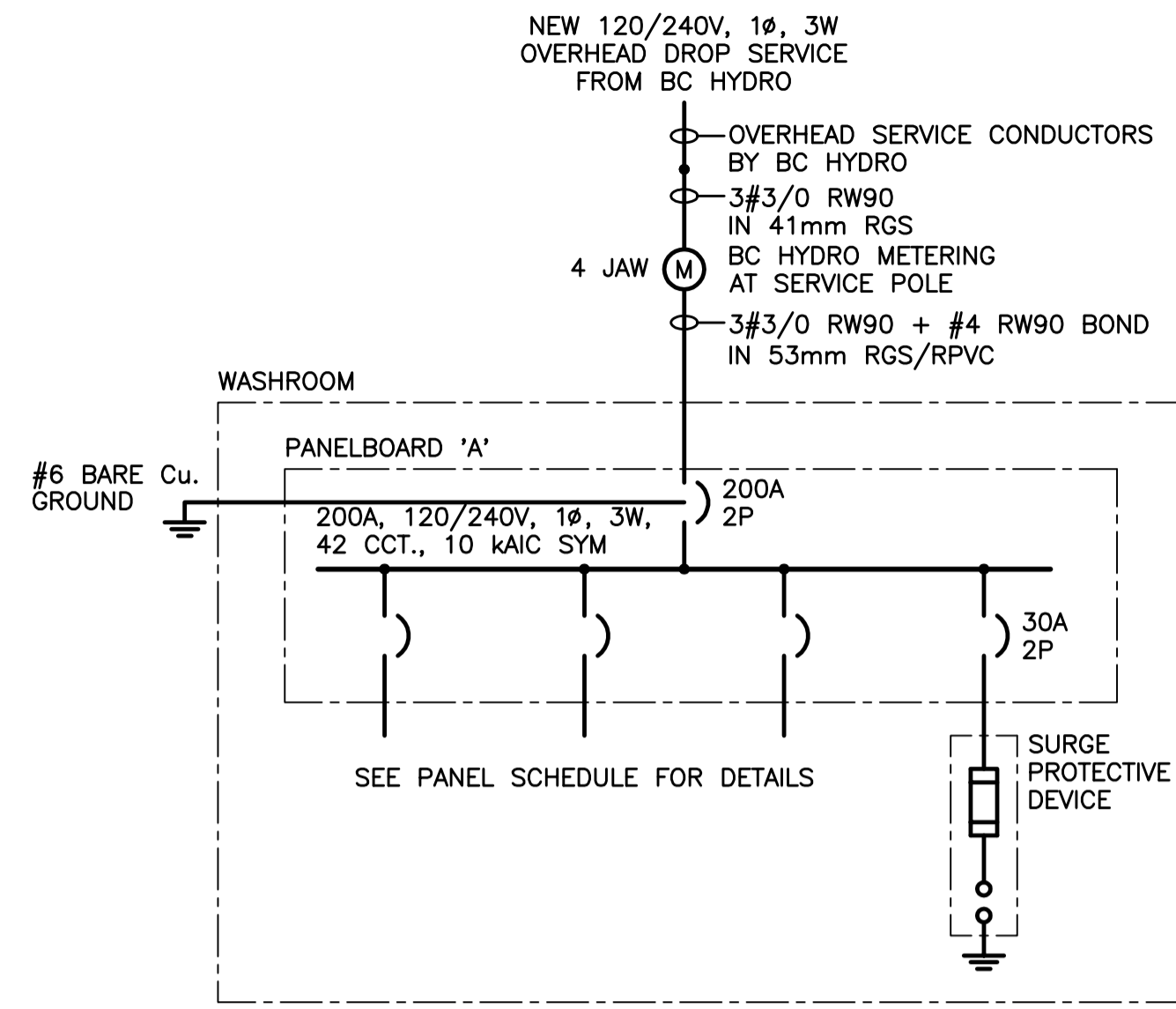
SITE PLAN
1:250

PANELBOARD 'A' - INCINERATOR ROCK						
LOAD VA L1 L2	DESCRIPTION	BKR	CIRCUIT NUMBER	BKR	DESCRIPTION	LOAD VA L1 L2
460	INDOOR LIGHTS	15	1	2	SERVICE ROOM RECEPTACLES	3 Φ
195	OUTDOOR LIGHTS	15	3	4	OUTDOOR RECEPTACLES	3 Φ
3 Φ	MALE WASHROOM RECEPTACLES	15	5	6	FEMALE WASHROOM RECEPTACLES	3 Φ
1000	EXHAUST FAN EF-1 & MOTORIZED DAMPER MD-1	15	7	8	RECIRCULATION PUMP DWP-1	250
1500	ELECTRICAL CABINET UNIT HEATER ECUH-1	15	9	10	ELECTRICAL CABINET UNIT HEATER ECUH-2	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-3	15	11	12	ELECTRICAL CABINET UNIT HEATER ECUH-4	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-1	15	13	14	ELECTRICAL CABINET UNIT HEATER ECUH-2	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-3	15	15	16	ELECTRICAL CABINET UNIT HEATER ECUH-4	1500
1500	UNIT HEATER UH-1	15	17	18	SPACE	
1500	UNIT HEATER UH-1	15	19	20	SPACE	
6000	DOMESTIC HOT WATER HEATER DHWH-1	21	21	22	FEMALE WASHROOM HAND DRYER	1400
6000	DOMESTIC HOT WATER HEATER DHWH-1	23	23	24	MALE WASHROOM HAND DRYER	1400
	SURGE PROTECTIVE DEVICE	25	25	26	PARKING TICKET DISPENSERS	100
	SURGE PROTECTIVE DEVICE	30	27	28	TEMPERATURE CONTROL PANEL	100
	SPACE	29	29	30	SPACE	
	SPACE	31	31	32	SPACE	
	SPACE	33	33	34	SPACE	
	SPACE	35	35	36	SPACE	
	SPACE	37	37	38	SPACE	
	SPACE	39	39	40	SPACE	
	SPACE	41	41	42	SPACE	

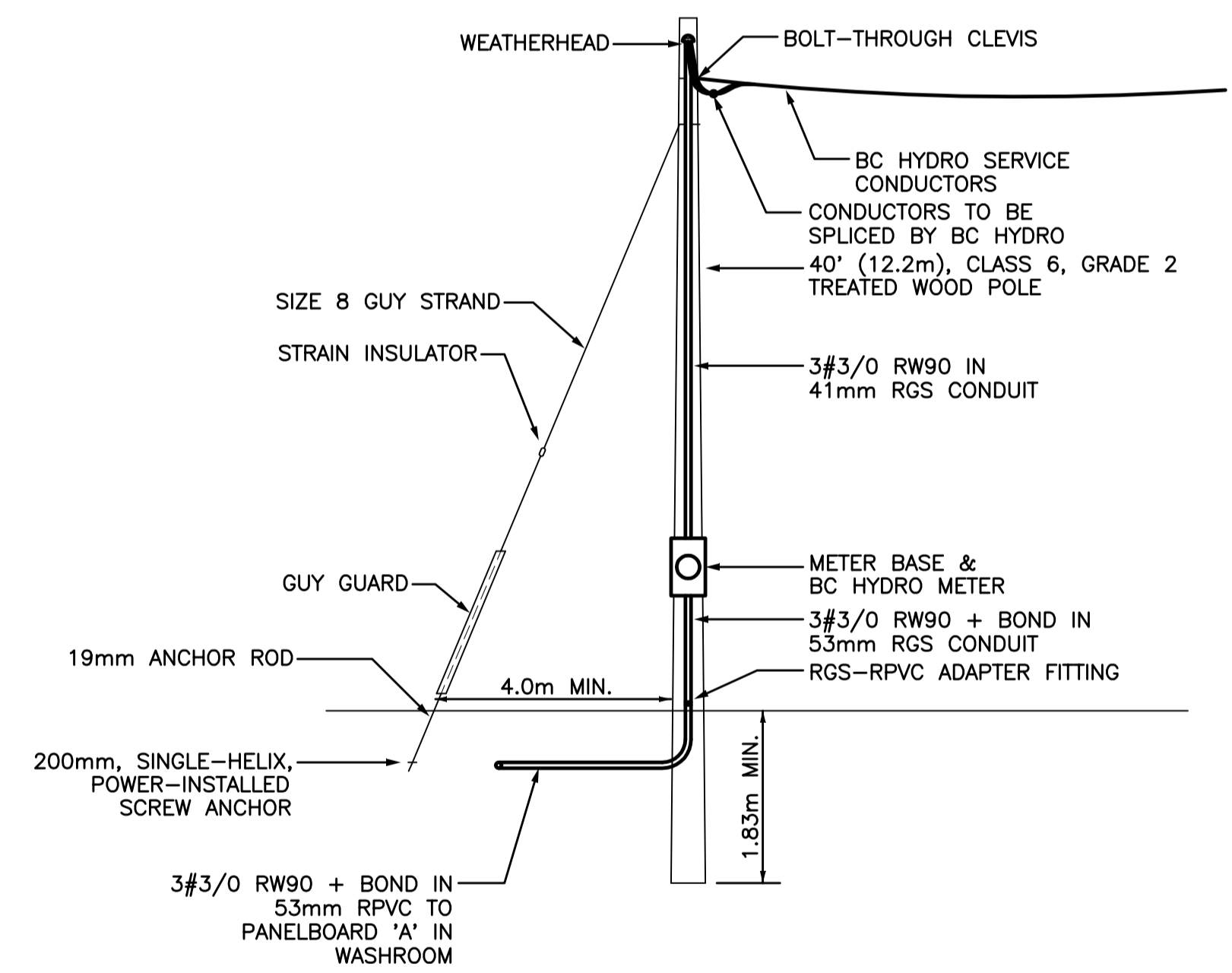
VOLTS AND PHASE: 120/240V, 1Φ, 3W AMPS: 200 BREAKER SYM. I.C. 10 kA
LOCATION: SERVICE ROOM MOUNTING: SURFACE
MAKE AND TYPE:

CONNECTED LOAD (VA)	15460	16445
ESTIMATED LOAD (VA)	2250	750
TOTAL LOAD (VA)	17710	17195

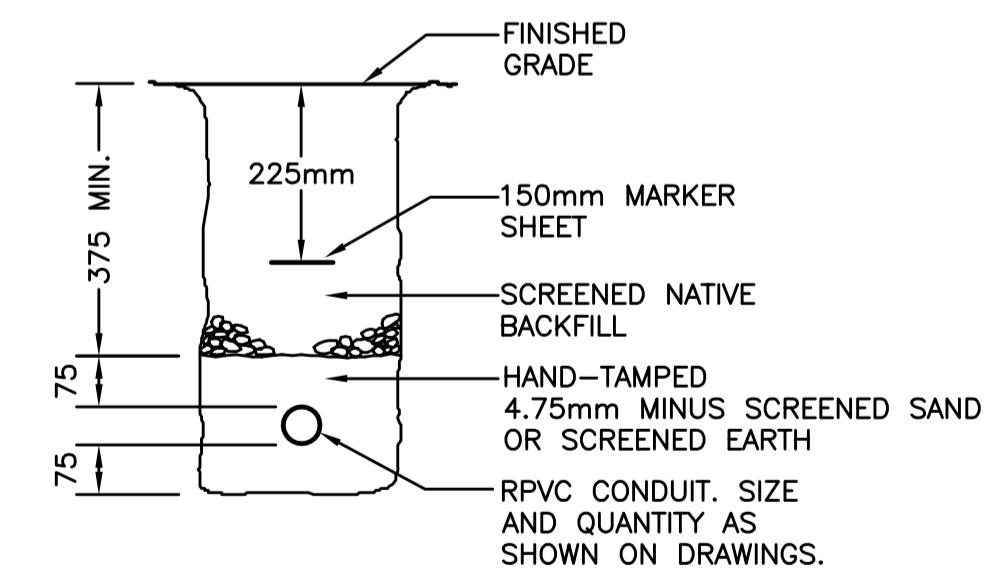
34905 VA TOTAL



SINGLE LINE DIAGRAM
NTS



PRIVATE SERVICE POLE DETAIL
NTS



SECTION A-A
NTS

CHECK BEFORE YOU DIG

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

- NOTES:**
- THE EXACT LOCATION OF THE PRIVATE SERVICE POLE SHALL BE DETERMINED ON SITE. THE POLE SHALL BE POSITIONED SO AS TO MINIMIZE TREE REMOVAL/TRIMMING (TO ACCOMMODATE THE OVERHEAD SERVICE CONDUCTORS) AND SUCH THAT THE GUY WIRE DOES NOT OBSTRUCT WASHROOM ACCESS. THE MAXIMUM SPAN DISTANCE SHALL BE 30m.
 - LOCATE AND INTERCEPT EXISTING CONDUIT TO EXISTING TICKET DISPENSER. INSTALL NEW 2#12 RW90 + BOND AND REFEED FROM NEW PANELBOARD 'A'.

Revision/Revisión	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/02
3	ISSUED FOR 99% CD	2016/03/09
2	ISSUED FOR 90% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/03

Client/client

PARKS CANADA

Project title/Titre du projet

PACIFIC RIM HIGHWAY

PACIFIC RIM NATIONAL PARK WASHROOM BUILDINGS REPLACEMENT

Consultant Signature Only

Designed by/Concept par
T.W.

Drawn by/Dessiné par
B.F.

PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY

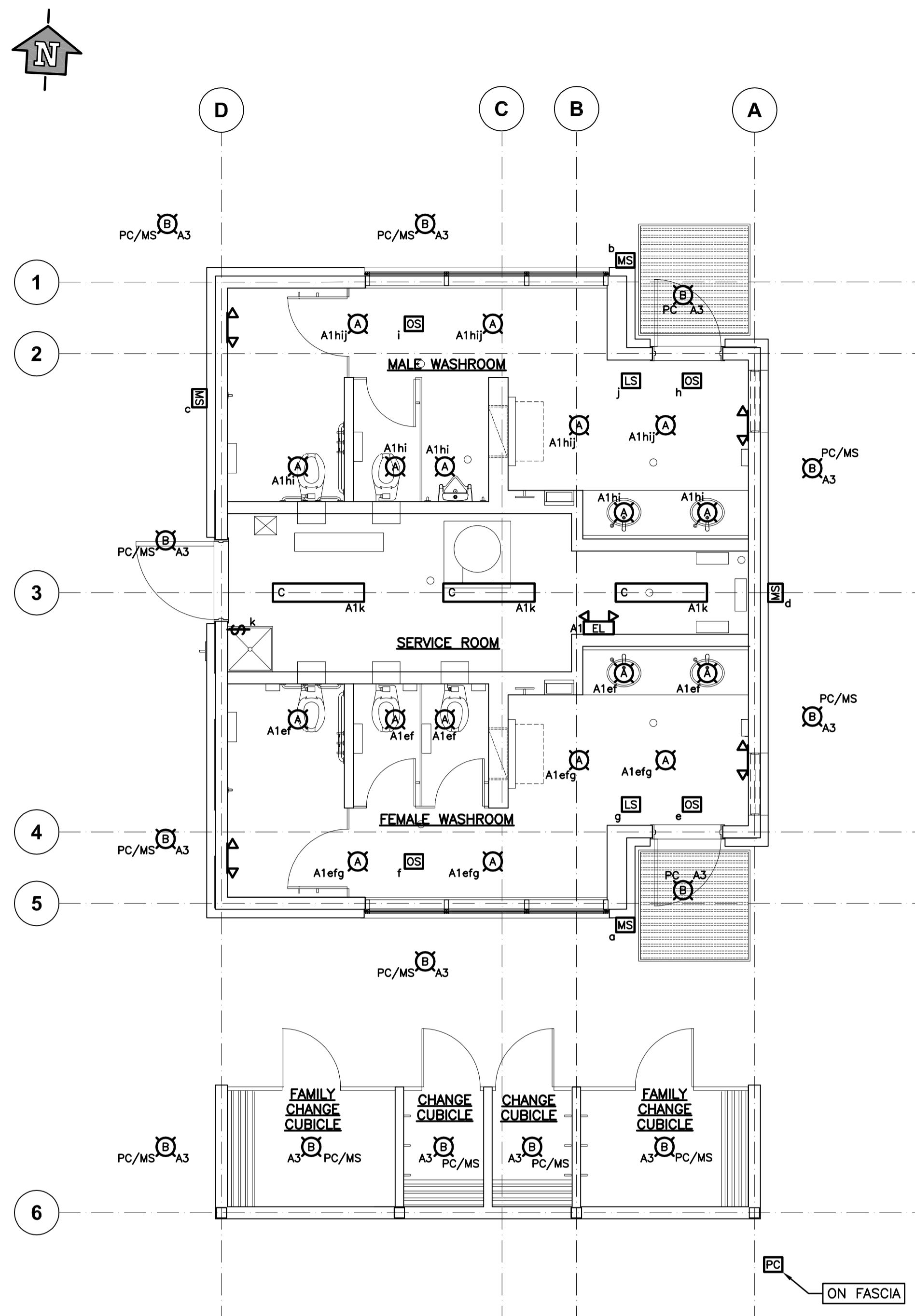
Regional Manager, Architectural and Engineering Services, Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin

INCINERATOR ROCK

SITE PLAN, SINGLE LINE DIAGRAM & PANELBOARD SCHEDULE

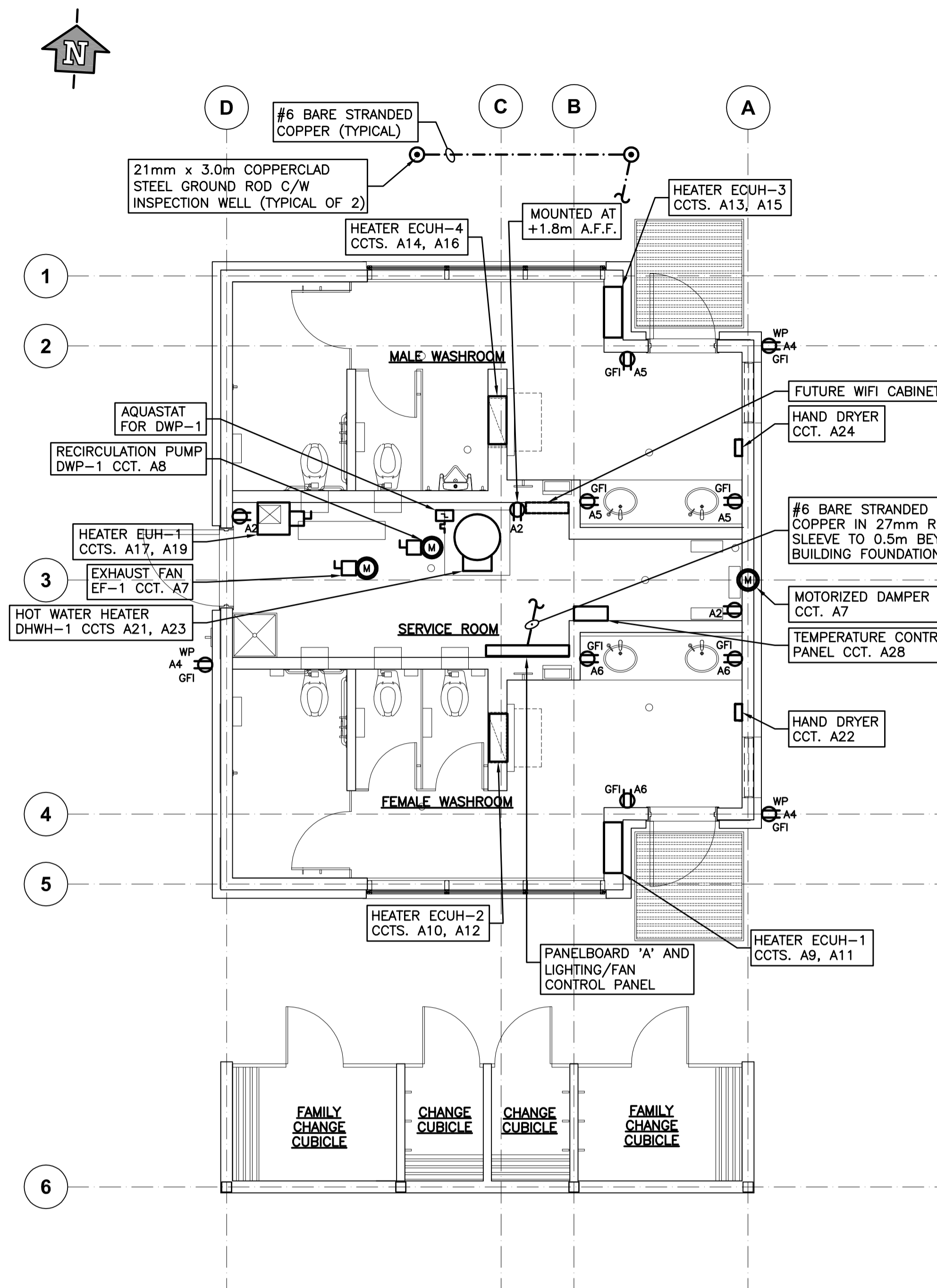
Project No./No. du projet	Sheet/Feuille	Revision no./Révision no.
R.078666.001	E-01	4
	OF 20	



1 LIGHTING PLAN
E-02 1:50

LEGEND:

- 13W LED FIXTURE, RECESSED IN CEILING, POLYCARBONATE LENS. VAPOUR PROOF TYPE.
- 13W LED FIXTURE, RECESSED IN METAL SOFFIT, POLYCARBONATE LENS. VAPOUR PROOF TYPE.
- 2 x 32W FLUORESCENT FIXTURE, 1219mm LONG, CEILING MOUNTED, T8 LAMPS, ELECTRONIC BALLAST, WIRE GUARD.
- EMERGENCY LIGHTING BATTERY UNIT WITH HEADS (2)
- EMERGENCY LIGHTING REMOTE HEADS (2)
- CEILING MOUNTED DAYLIGHT SENSOR (LIGHTS WILL NOT COME ON UNLESS AMOUNT OF DAYLIGHT WITHIN THE SPACE IS BELOW THE SET-POINT OF THE SENSOR).
- 360° CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL LIGHTING IN BUILDING. OCCUPANCY SENSOR TO BE DUAL TECHNOLOGY TYPE (MOTION & SOUND ACTIVATED)
- PHOTOCCELL TO CONTROL EXTERIOR LIGHTING
- MOTION SENSOR TO CONTROL EXTERIOR LIGHTING
- SINGLE POLE SWITCH



2 POWER PLAN
E-02 1:50

LEGEND:

- 5-15R DUPLEX RECEPTACLE
- 5-15R GFI DUPLEX RECEPTACLE
- WEATHERPROOF 5-15R GFI DUPLEX RECEPTACLE C/W PADLOCKABLE WHILE-IN-USE COVER
- HEATING THERMOSTAT
- LOCAL DISCONNECT SWITCH

Revision/Revisión	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/08
3	ISSUED FOR 99% CD	2016/03/09
2	ISSUED FOR 50% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/02

PARKS CANADA

Project Title/Titre du projet

PACIFIC RIM HIGHWAY

**PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

Consultant Signature Only

Designed by/Concept par

T.W.

Drawn by/Dessiné par

B.F.

PWGSC Project Manager/Administrateur de Projets TP5GC

TOM DUNPHY

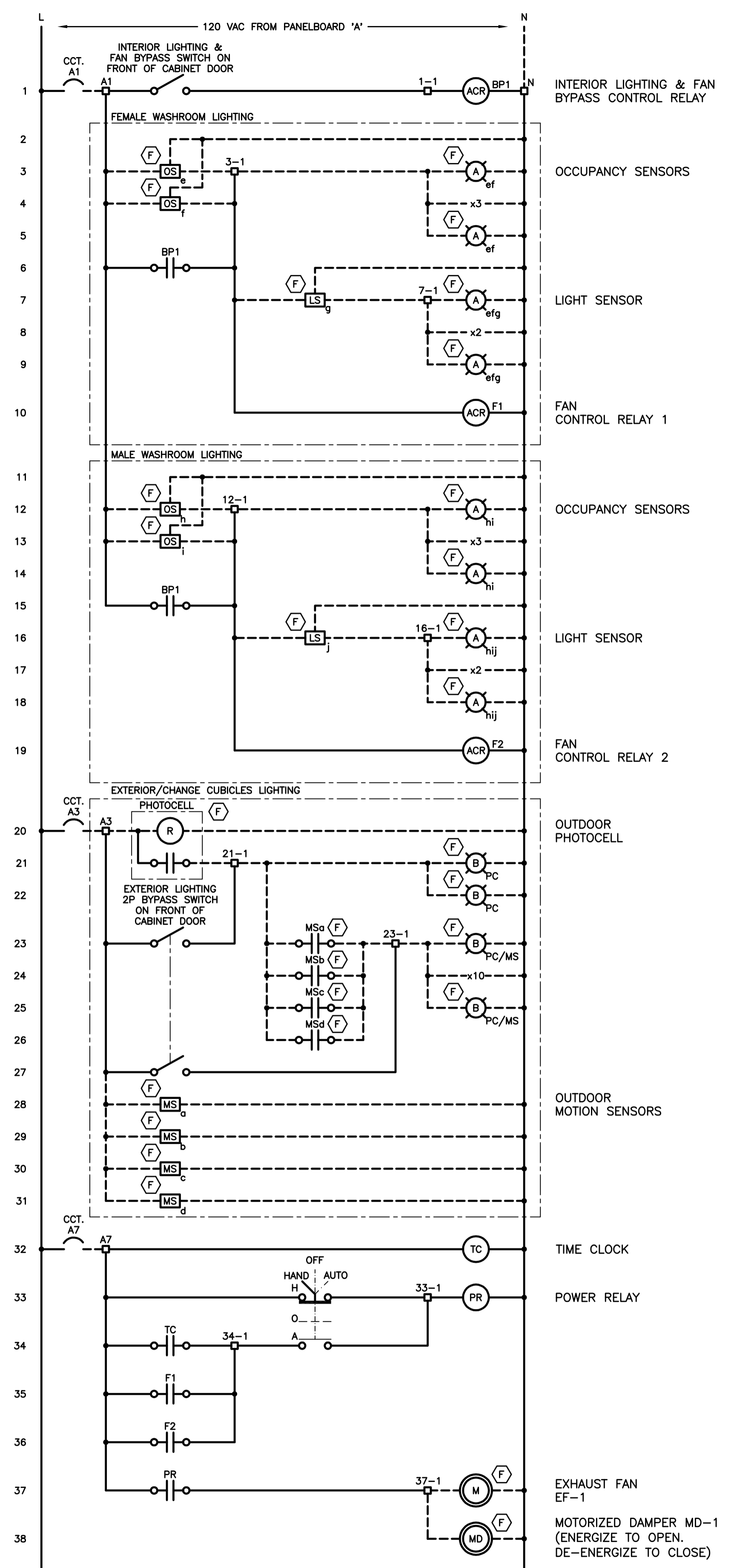
Regional Manager, Architectural and Engineering Services,
Gestionnaire régionale, Services d'architectural et de génie, TPSGC

PREETIPAL PAUL

Drawing Title/Titre du dessin

**INCINERATOR ROCK
LIGHTING & POWER PLANS**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.078666.001	E-02	4



LEGEND:

- DEVICE TERMINAL
- CONTROL PANEL TERMINAL
- ⊙ ACR AC CONTROL RELAY
- ⊙ A LIGHT (SEE LIGHTING PLAN LEGEND)
- WIRING WITHIN CONTROL PANEL
- - - WIRING EXTERNAL TO CONTROL PANEL
- ⊙ F EQUIPMENT LOCATED IN FIELD

Revision/Revisión	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/08
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2	ISSUED FOR 90% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/03

Client/client

PARKS CANADA

Project title/Titre du projet

PACIFIC RIM HIGHWAY

PACIFIC RIM NATIONAL PARK WASHROOM BUILDINGS REPLACEMENT

Consultant Signature Only

Designed by/Concept par
T.W.

Drawn by/Dessiné par
B.F.

PWGS/C Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY

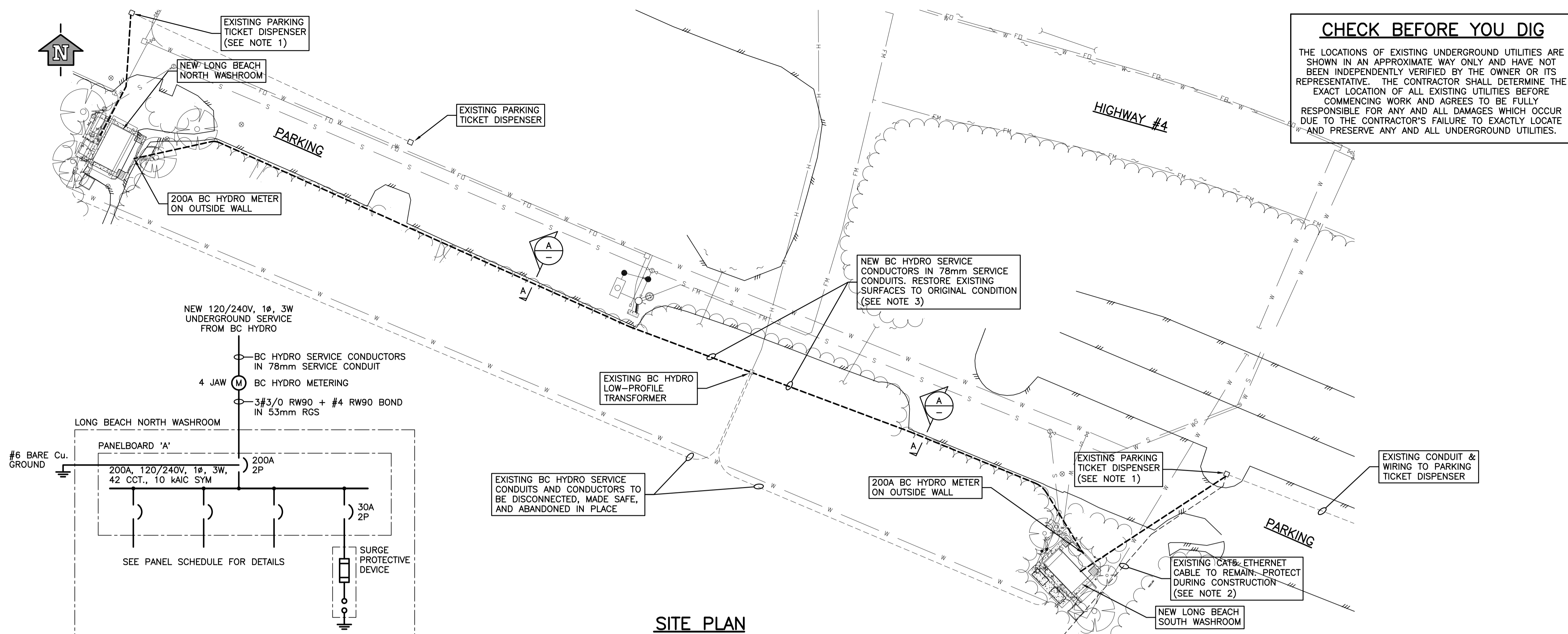
Regional Manager, Architectural and Engineering Services,
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin

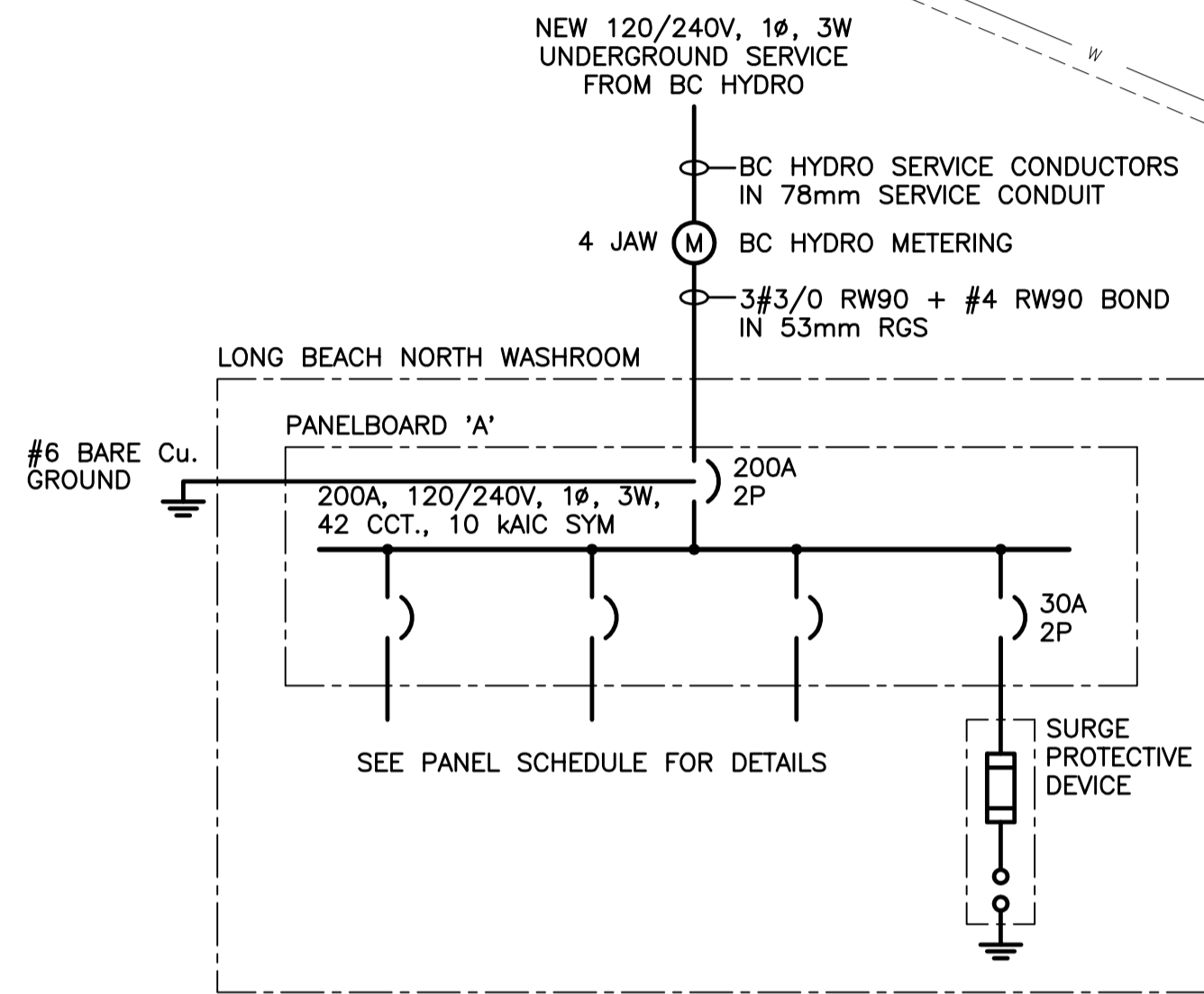
INCINERATOR ROCK LIGHTING/FAN CONTROL PANEL SCHEMATIC DIAGRAM

Project No./No. du projet R.078666.001	Sheet/Feuille E-03	Revision no./ La Révision no. 4
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CHECK BEFORE YOU DIG
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



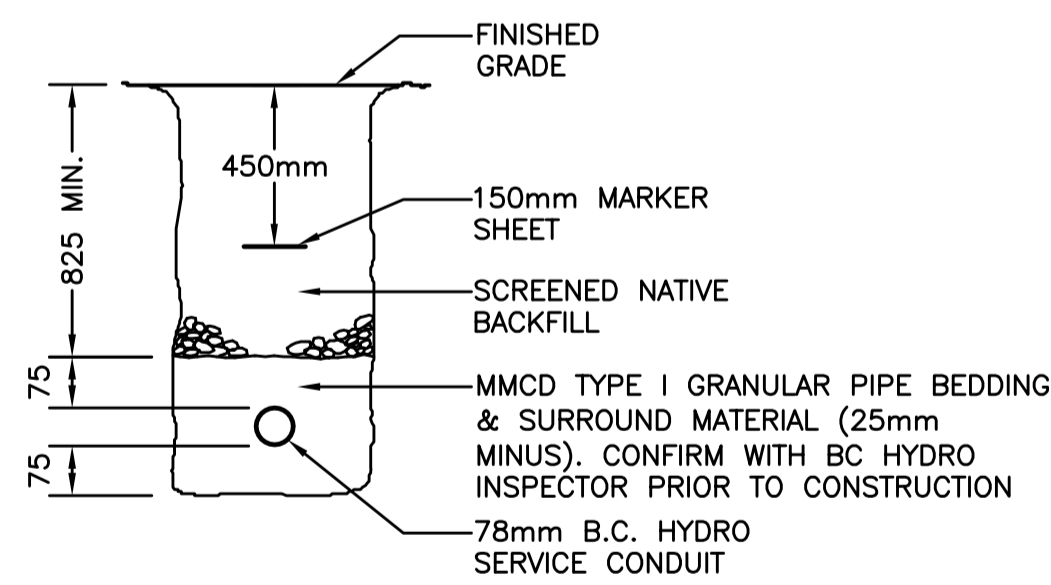
SITE PLAN
1:500



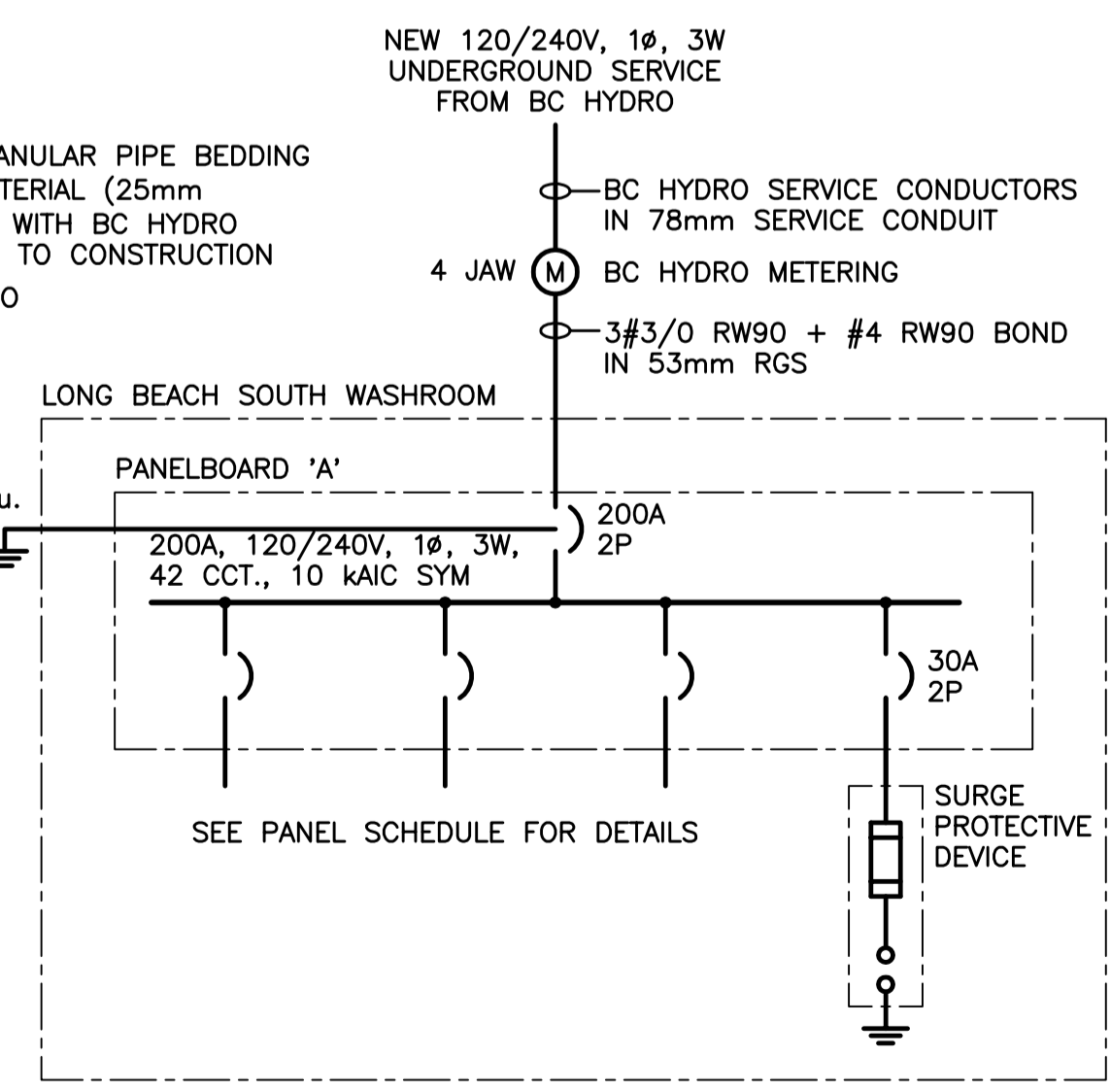
SINGLE LINE DIAGRAM
NTS LONG BEACH NORTH

NOTES:

- LOCATE AND INTERCEPT EXISTING CONDUIT TO EXISTING TICKET DISPENSER. INSTALL NEW 2#12 RW90 + BOND AND REFEED FROM NEW PANELBOARD 'A'.
- PRIOR TO CONSTRUCTION, CONFIRM PROPER OPERATION OF THE EXISTING CAT5 ETHERNET CABLE WITH PARKS CANADA PERSONNEL. UPON COMPLETION OF CONSTRUCTION, CONFIRM WITH PARKS CANADA PERSONNEL THAT THE EXISTING CAT5 ETHERNET CABLE HAS NOT BEEN DAMAGED DURING CONSTRUCTION. REPLACE THE ENTIRE CAT5 ETHERNET CABLE IF IT IS FOUND TO BE NO LONGER OPERATING PROPERLY.
- THE BC HYDRO SERVICE CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH BC HYDRO SPECIFICATIONS AND STANDARDS, INCLUDING STANDARD DRAWINGS ES54 H1-01.01, ES54 H1-01.02, ES54 H4-01.01, ES54 H4-01.02, ES54 H4-01.03, ES54 H4-01.01, ES54 H1-06.02. CONFIRM REQUIREMENTS WITH BC HYDRO INSPECTOR PRIOR TO CONSTRUCTION.



SECTION A-A
NTS



SINGLE LINE DIAGRAM
NTS LONG BEACH SOUTH

PANELBOARD 'A' - LONG BEACH NORTH						
LOAD VA L1 L2	DESCRIPTION	BKR	CIRCUIT NUMBER	BKR	DESCRIPTION	LOAD VA L1 L2
440	INDOOR LIGHTS	15	1	2	SERVICE ROOM RECEPTACLES	3 Ø
195	OUTDOOR LIGHTS	15	3	4	OUTDOOR RECEPTACLES	3 Ø
3 Ø	MALE WASHROOM RECEPTACLES	15	5	6	FEMALE WASHROOM RECEPTACLES	3 Ø
1000	EXHAUST FAN EF-1 & MOTORIZED DAMPER MD-1	15	7	8	RECIRCULATION PUMP DWP-1	250
1500	ELECTRICAL CABINET UNIT HEATER ECUH-1	15	9	10	ELECTRICAL CABINET UNIT HEATER ECUH-2	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-3	15	11	12	ELECTRICAL CABINET UNIT HEATER ECUH-4	1500
1500	UNIT HEATER EUH-1	15	13	14	SPACE	
1500	UNIT HEATER EUH-2	15	15	16	SPACE	
1500	UNIT HEATER EUH-3	15	17	18	SPACE	
1500	UNIT HEATER EUH-4	15	19	20	SPACE	
6000	DOMESTIC HOT WATER HEATER DHWH-1	21	21	22	FEMALE WASHROOM HAND DRYER	1400
6000	DOMESTIC HOT WATER HEATER DHWH-1	23	23	24	MALE WASHROOM HAND DRYER	1400
-	SURGE PROTECTIVE DEVICE	25	25	26	PARKING TICKET DISPENSERS	100
-	SURGE PROTECTIVE DEVICE	27	27	28	TEMPERATURE CONTROL PANEL	100
-	SPACE	29	29	30	SPACE	
-	SPACE	31	31	32	SPACE	
-	SPACE	33	33	34	SPACE	
-	SPACE	35	35	36	SPACE	
-	SPACE	37	37	38	SPACE	
-	SPACE	39	39	40	SPACE	
-	SPACE	41	41	42	SPACE	

VOLTS AND PHASE: 120/240V, 1Ø, 3W AMPS: 200 BREAKER SYM. I.C. 10 kA
LOCATION: SERVICE ROOM MOUNTING: SURFACE
MAKE AND TYPE:

CONNECTED LOAD (VA)	15440	16445
ESTIMATED LOAD (VA)	2250	750
TOTAL LOAD (VA)	17690	17195

34885 VA TOTAL

PANELBOARD 'A' - LONG BEACH SOUTH						
LOAD VA L1 L2	DESCRIPTION	BKR	CIRCUIT NUMBER	BKR	DESCRIPTION	LOAD VA L1 L2
440	INDOOR LIGHTS	15	1	2	SERVICE ROOM RECEPTACLES	3 Ø
195	OUTDOOR LIGHTS	15	3	4	OUTDOOR RECEPTACLES	3 Ø
3 Ø	MALE WASHROOM RECEPTACLES	15	5	6	FEMALE WASHROOM RECEPTACLES	3 Ø
1000	EXHAUST FAN EF-1 & MOTORIZED DAMPER MD-1	15	7	8	RECIRCULATION PUMP DWP-1	250
1500	ELECTRICAL CABINET UNIT HEATER ECUH-1	15	9	10	ELECTRICAL CABINET UNIT HEATER ECUH-2	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-3	15	11	12	ELECTRICAL CABINET UNIT HEATER ECUH-4	1500
1500	UNIT HEATER EUH-1	15	13	14	SPACE	
1500	UNIT HEATER EUH-2	15	15	16	SPACE	
1500	UNIT HEATER EUH-3	15	17	18	SPACE	
1500	UNIT HEATER EUH-4	15	19	20	SPACE	
6000	DOMESTIC HOT WATER HEATER DHWH-1	21	21	22	FEMALE WASHROOM HAND DRYER	1400
6000	DOMESTIC HOT WATER HEATER DHWH-1	23	23	24	MALE WASHROOM HAND DRYER	1400
-	SURGE PROTECTIVE DEVICE	25	25	26	PARKING TICKET DISPENSERS	100
-	SURGE PROTECTIVE DEVICE	27	27	28	TEMPERATURE CONTROL PANEL	100
-	SPACE	29	29	30	SPACE	
-	SPACE	31	31	32	SPACE	
-	SPACE	33	33	34	SPACE	
-	SPACE	35	35	36	SPACE	
-	SPACE	37	37	38	SPACE	
-	SPACE	39	39	40	SPACE	
-	SPACE	41	41	42	SPACE	

VOLTS AND PHASE: 120/240V, 1Ø, 3W AMPS: 200 BREAKER SYM. I.C. 10 kA
LOCATION: SERVICE ROOM MOUNTING: SURFACE
MAKE AND TYPE:

CONNECTED LOAD (VA)	15440	16445
ESTIMATED LOAD (VA)	2250	750
TOTAL LOAD (VA)	17690	17195

34885 VA TOTAL

Revision/Revised	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/02
3	ISSUED FOR 99% CD	2016/03/09
2	ISSUED FOR 50% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/02

Client/client
PARKS CANADA

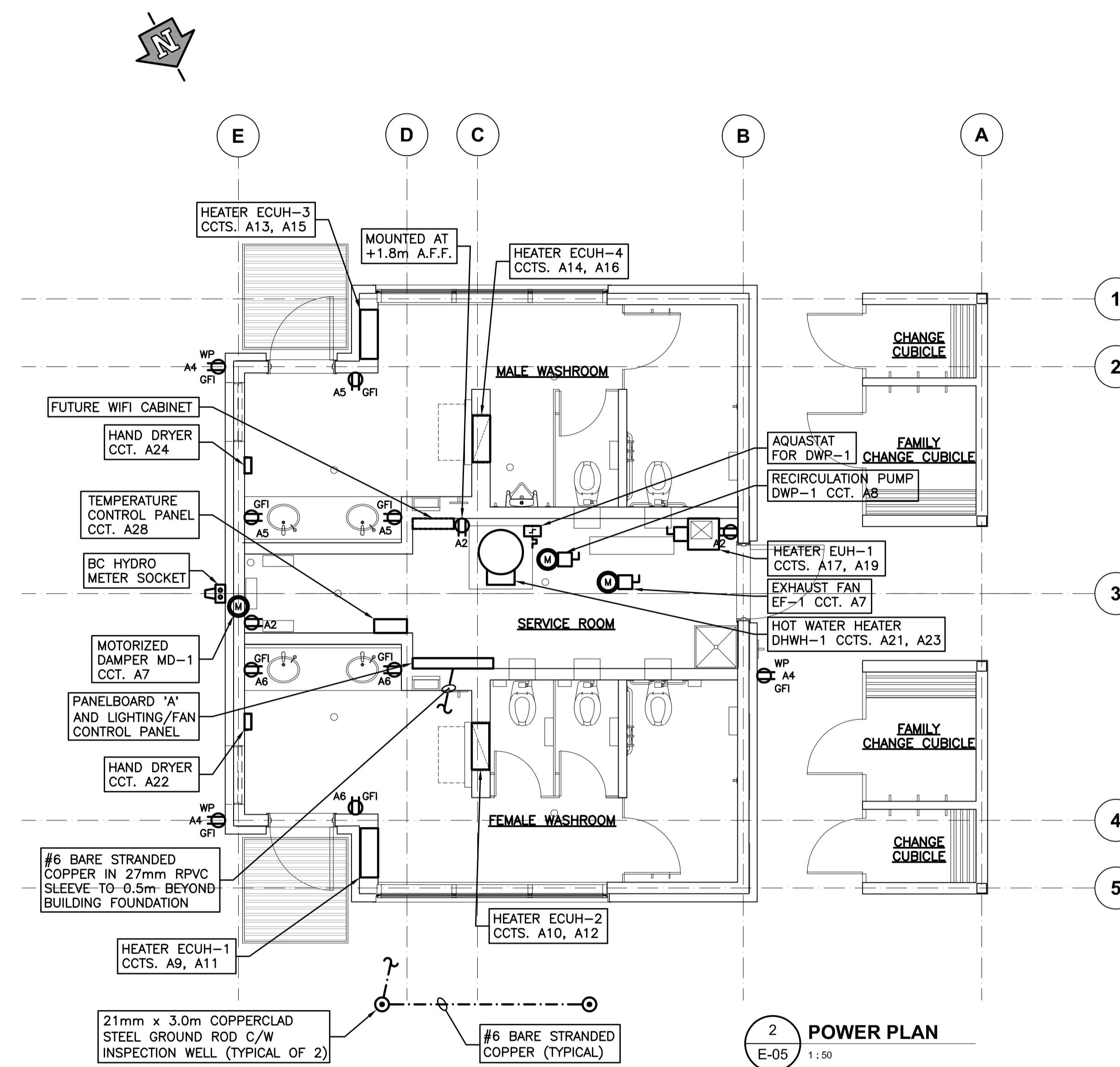
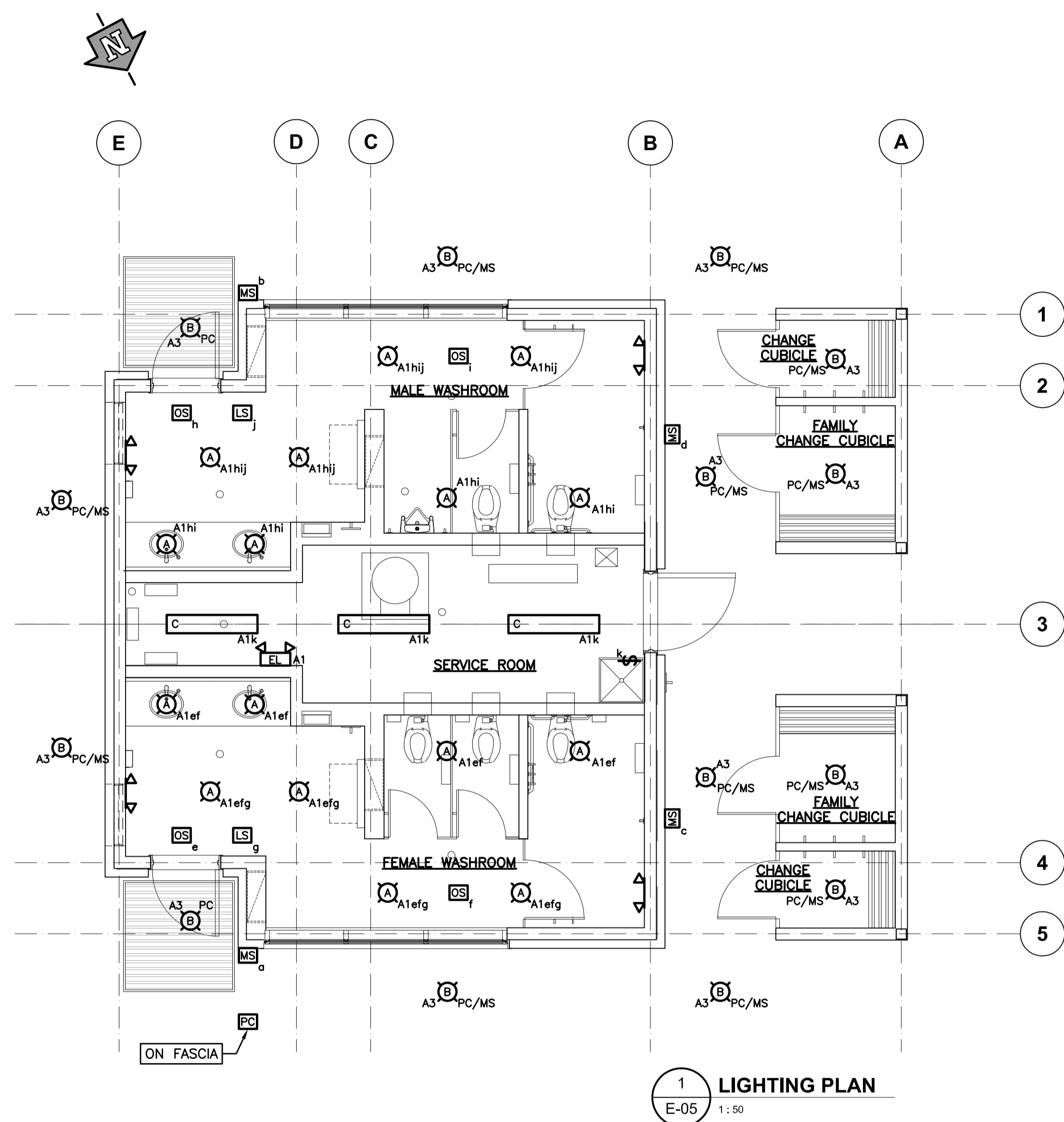
Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

Consultant Signature Only
Designed by/Concept par
T.W.
Drawn by/Dessiné par
B.F.
PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
Regional Manager, Architectural and Engineering Services,
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PREETIPAL PAUL
Drawing title/Titre du dessin

**LONG BEACH NORTH & SOUTH
SITE PLAN, SINGLE LINE DIAGRAMS
& PANELBOARD SCHEDULES**

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.078666.001	E-04	4

OF 20



Revision/Revisión	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/03
3	ISSUED FOR 99% CD	2016/03/09
2	ISSUED FOR 90% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/03

PARKS CANADA

Project title/Titre du projet

**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

Consultant Signature Only

Designed by/Concept par

T.W.

Drawn by/Dessiné par

B.F.

PWGSC Project Manager/Administrateur de Projets TP5GC

TOM DUNPHY

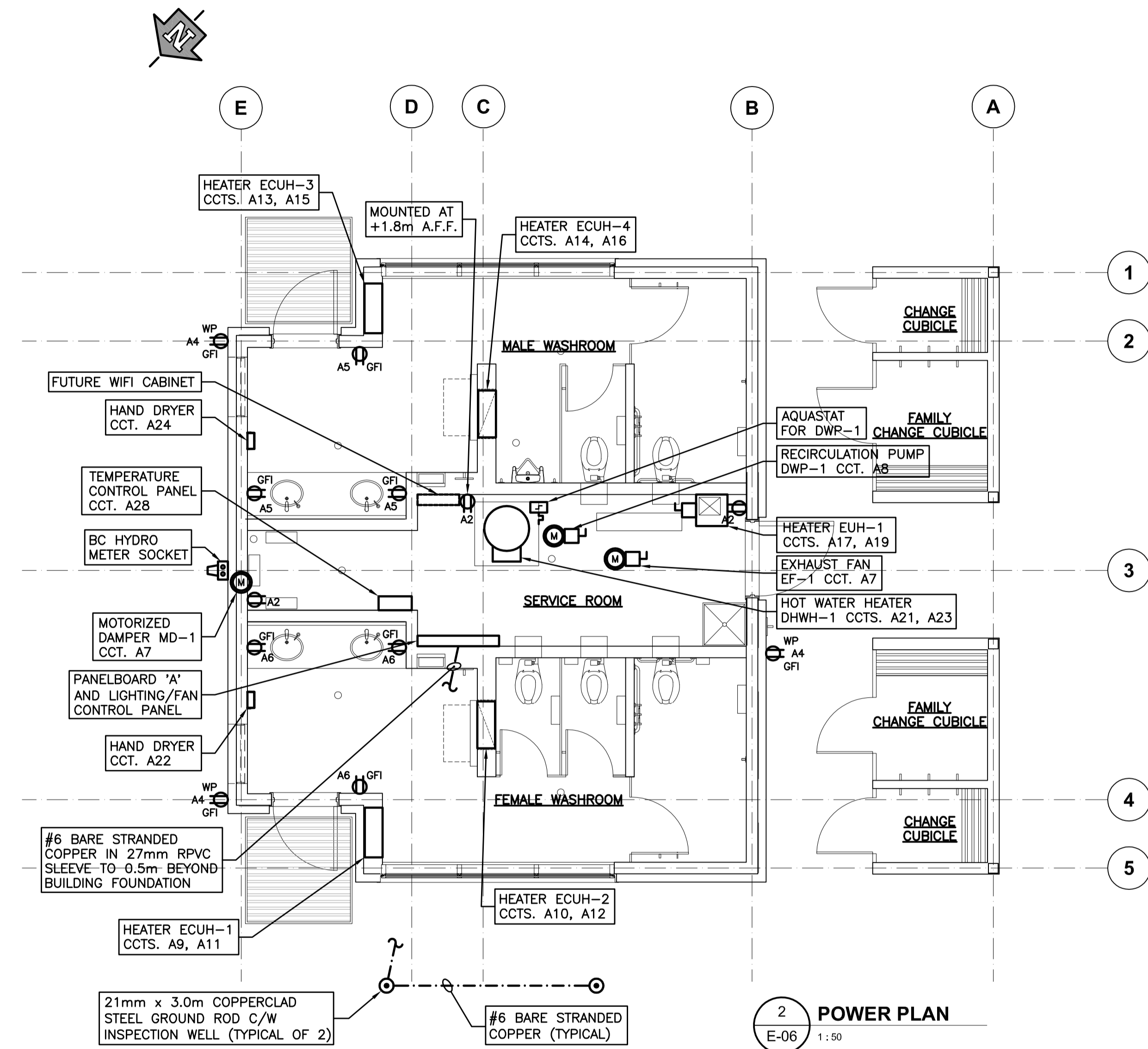
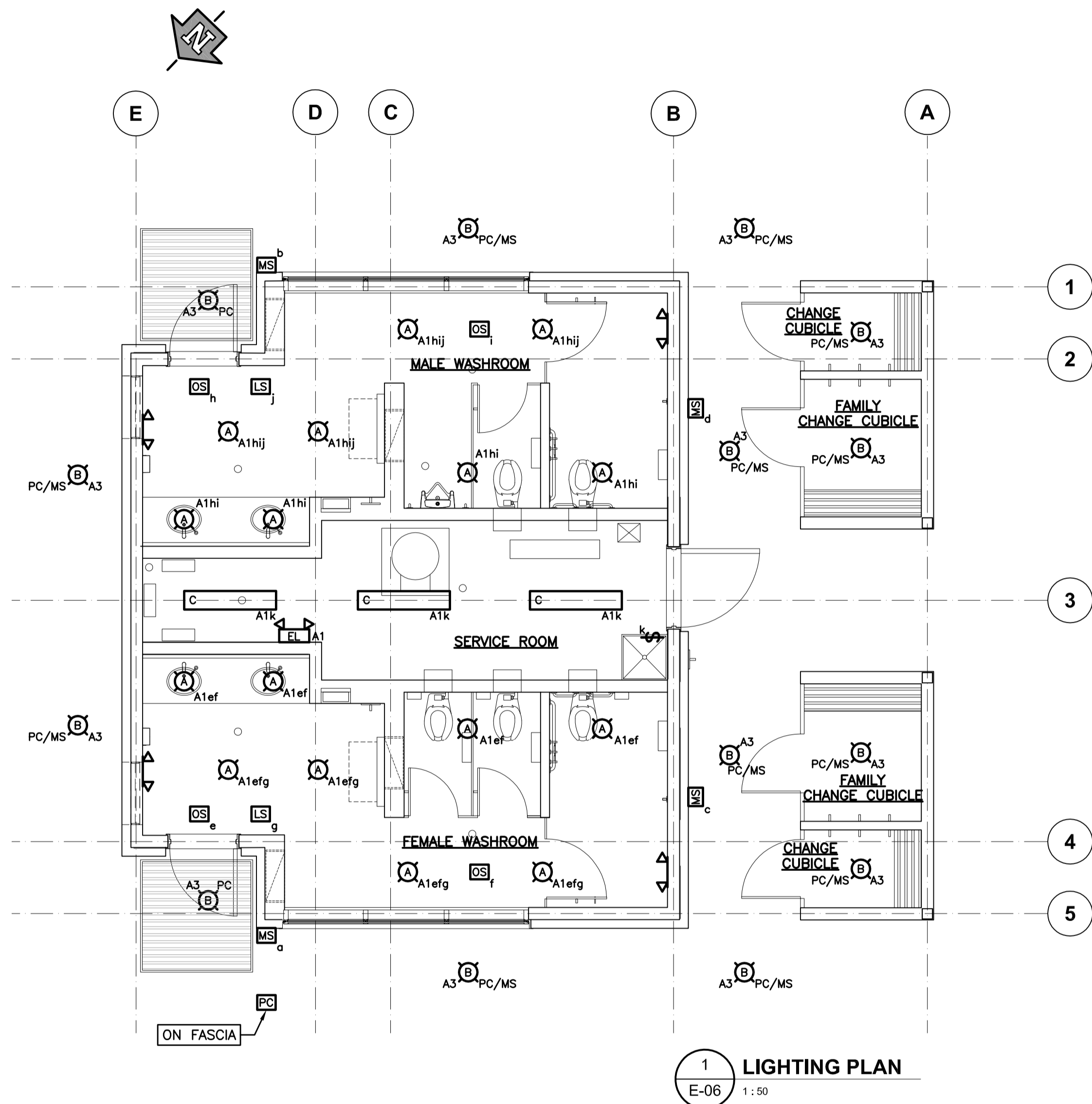
Regional Manager, Architectural and Engineering Services,
Gestionnaire régionale, Services d'architecture et de génie, TPSGC

PREETIPAL PAUL

Drawing title/Titre du dessin

**LONG BEACH NORTH
LIGHTING & POWER PLANS**

Project No./No. du projet	Sheet/Fauille	Revision no./ La Révision no.
R.078666.001	E-05 OF 20	4



Revision/Revisión	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/02
3	ISSUED FOR 99% CD	2016/03/09
2	ISSUED FOR 90% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/02

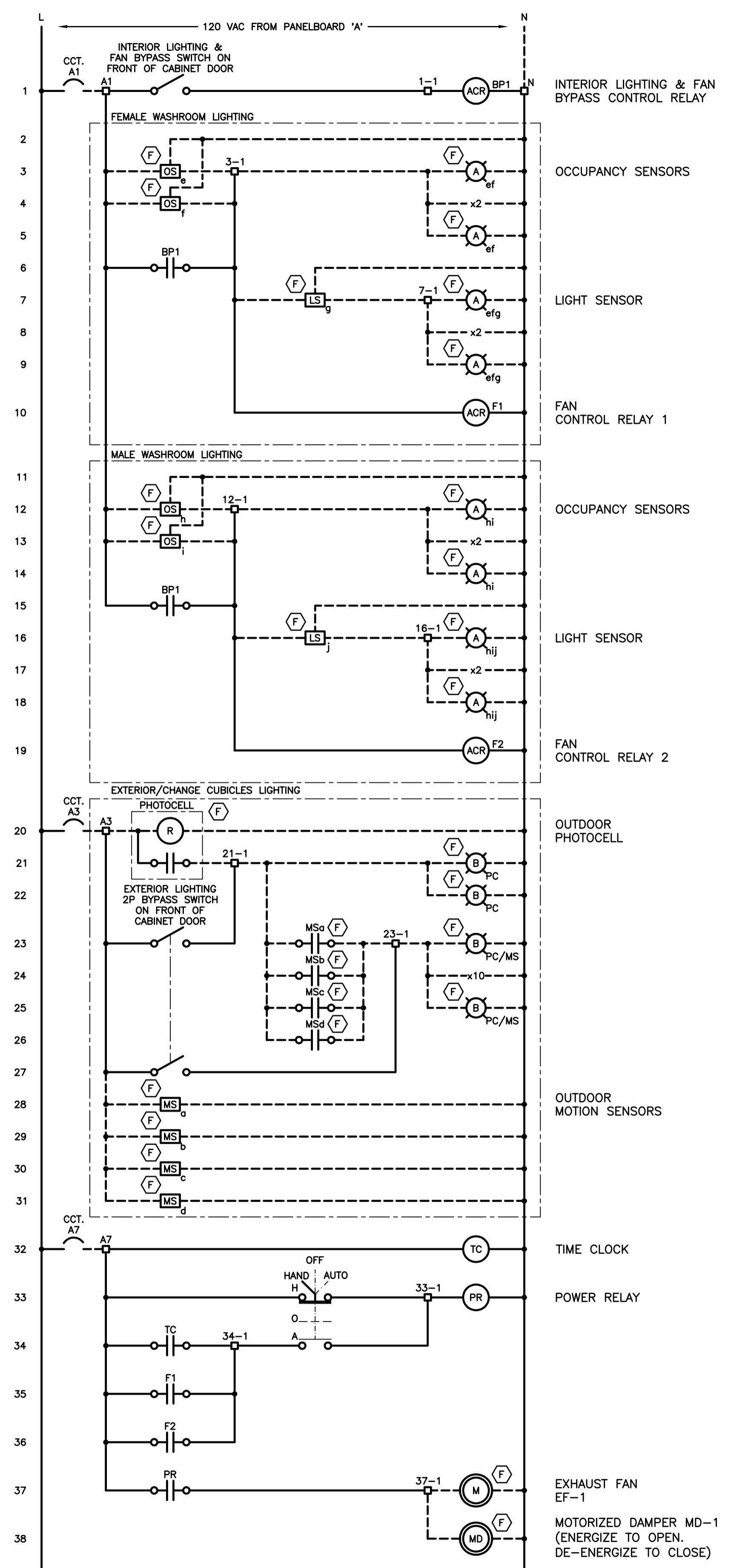
Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

Consultant Signature Only
Designed by/Concept par
T.W.
Drawn by/Dessiné par
B.F.
PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
Regional Manager, Architectural and Engineering Services,
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin
**LONG BEACH SOUTH
LIGHTING & POWER PLANS**

Project No./No. du projet R.078666.001	Sheet/Fauille E-06 OF 20	Revision no./ La Révision no. 4
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LEGEND:

- DEVICE TERMINAL
- CONTROL PANEL TERMINAL
- ⊙ ACR AC CONTROL RELAY
- ⊙ A LIGHT (SEE LIGHTING PLAN LEGEND)
- WIRING WITHIN CONTROL PANEL
- - - WIRING EXTERNAL TO CONTROL PANEL
- ⊙ F EQUIPMENT LOCATED IN FIELD

Revision/Revisión	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/03
3	ISSUED FOR 99% CD	2016/03/09
2	ISSUED FOR 90% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/03

Client/client

PARKS CANADA

Project title/Titre du projet

PACIFIC RIM HIGHWAY

PACIFIC RIM NATIONAL PARK WASHROOM BUILDINGS REPLACEMENT

Consultant Signature Only

Designed by/Concept par
T.W.

Drawn by/Dessiné par
B.F.

PWGS/C Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY

Regional Manager, Architectural and Engineering Services, Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL

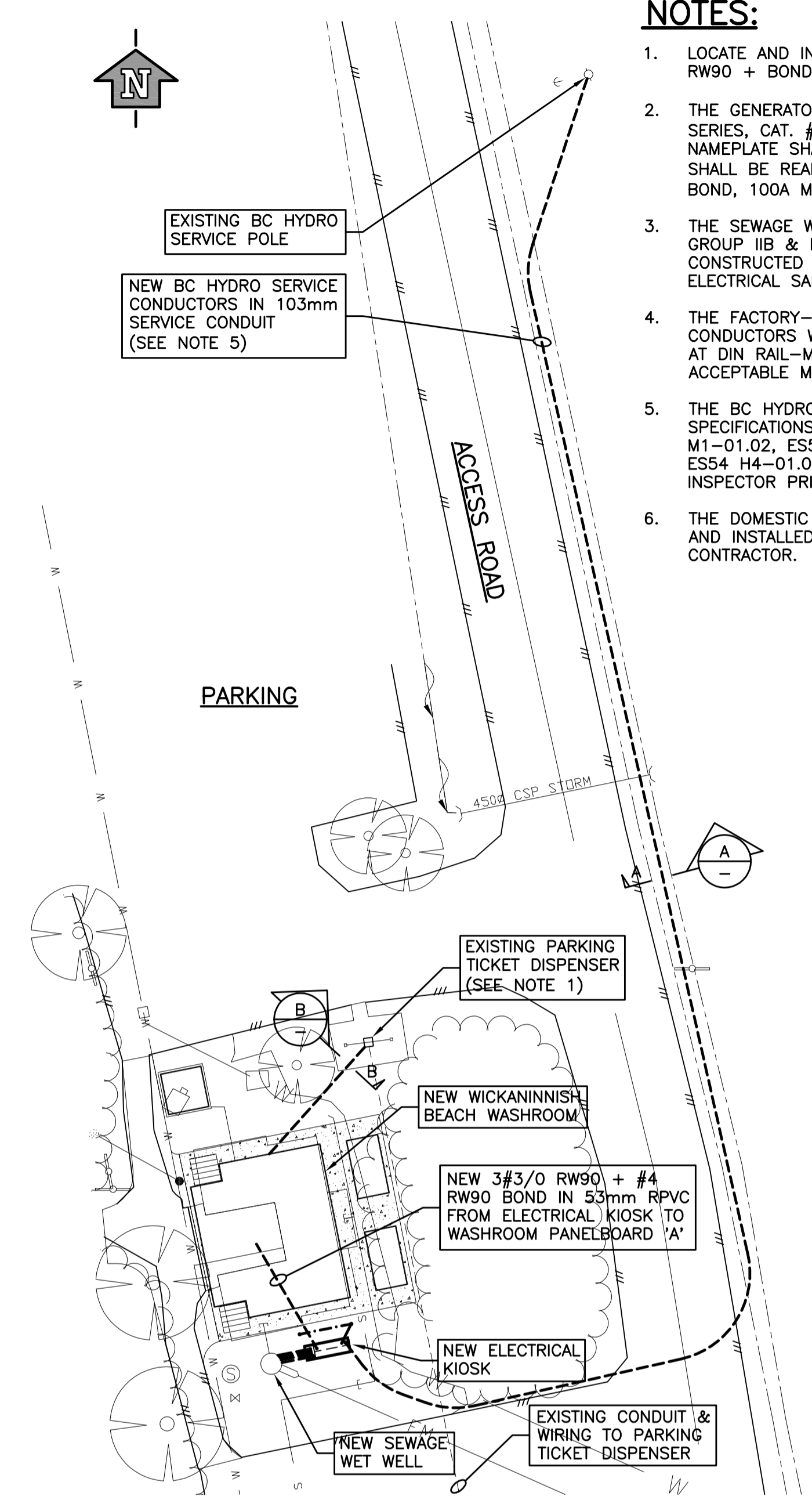
Drawing title/Titre du dessin

LONG BEACH NORTH & SOUTH LIGHTING/FAN CONTROL PANEL SCHEMATIC DIAGRAM (TYPICAL)

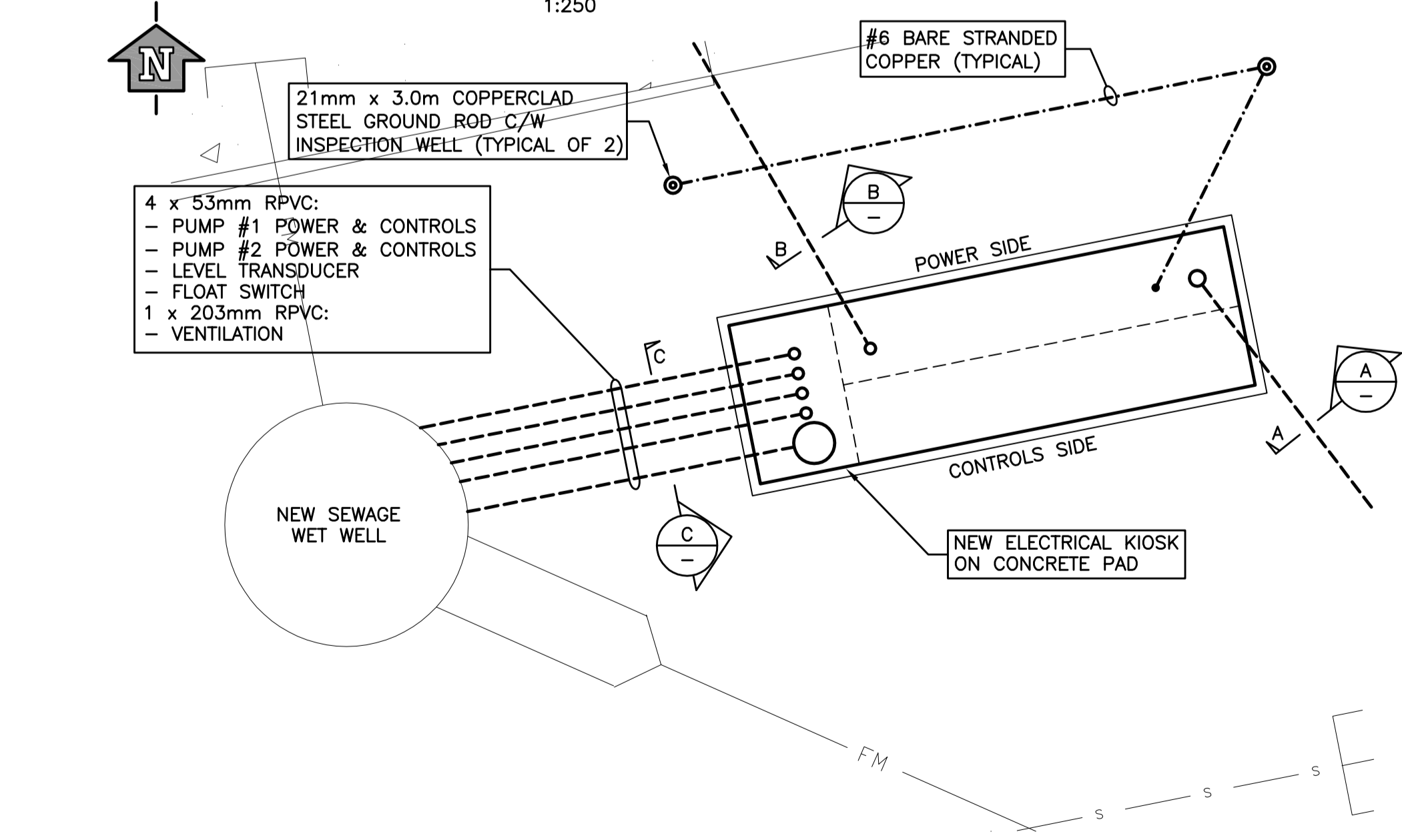
Project No./No. du projet R.078666.001	Sheet/Feuille E-07 OF 20	Revision no./La Révision no. 4
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NOTES:

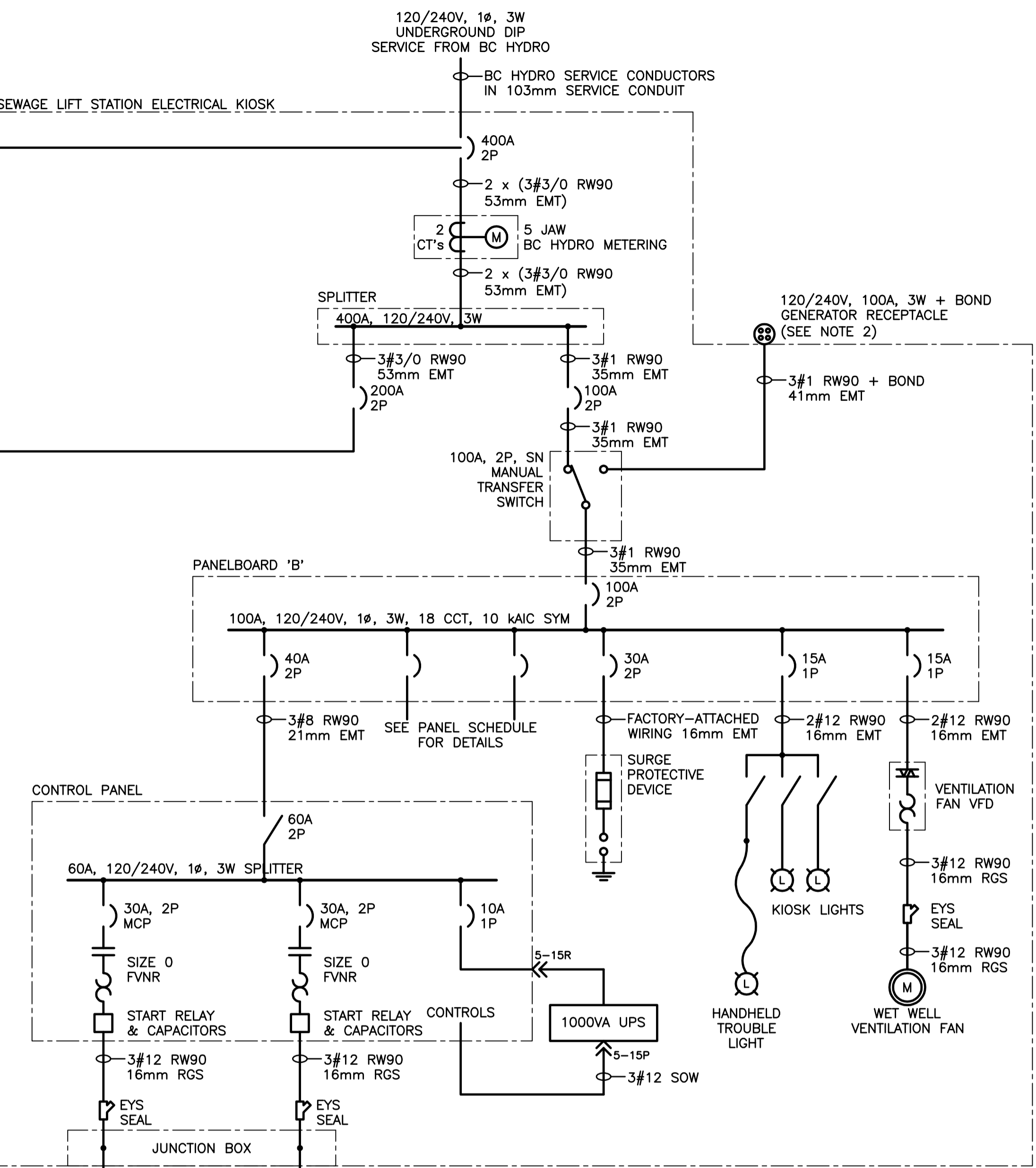
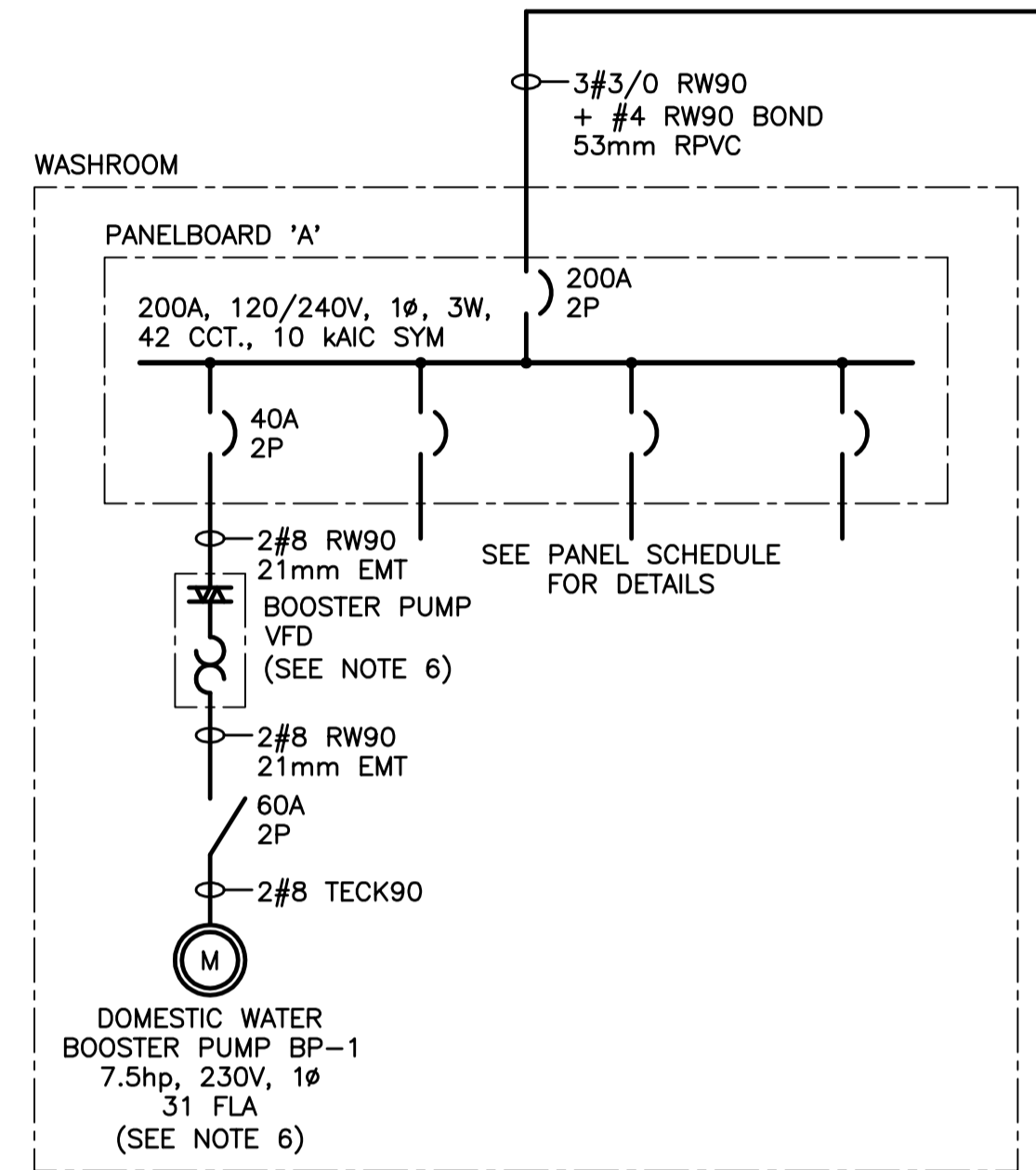
- LOCATE AND INTERCEPT EXISTING CONDUIT TO EXISTING TICKET DISPENSER. INSTALL NEW 2#12 RW90 + BOND AND REFEED FROM NEW PANELBOARD 'A'.
- THE GENERATOR RECEPTACLE SHALL BE 100A, 3 WIRE, 4 POLE. CROUSE-HINDS "APQ ARKITE" SERIES, CAT. #APQ1048 C/W "AJ" BACKBOX & ANGLE ADAPTER. AN ENGRAVED STAINLESS STEEL NAMEPLATE SHALL BE INSTALLED ON THE KIOSK EXTERIOR DIRECTLY ABOVE THE RECEPTACLE AND SHALL BE READ AS FOLLOWS: "GENERATOR RECEPTACLE - 120/240 VAC, 1 PHASE, 3 WIRE + BOND, 100A MAXIMUM".
- THE SEWAGE WET WELL AND THE KIOSK FAN COMPARTMENT SHALL BE CONSIDERED ZONE 2, GROUP IIB & IIA EXPLOSIVE GAS ATMOSPHERE ELECTRICALLY-HAZARDOUS AREAS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 22-700 AND ASSOCIATED REQUIREMENTS OF THE BC ELECTRICAL SAFETY ACT.
- THE FACTORY-ATTACHED FLOAT SWITCH AND MOTOR CABLES SHALL BE SPLICED TO RW90 CONDUCTORS WITHIN JUNCTION BOXES IN THE KIOSK FAN COMPARTMENT. SPLICES SHALL BE MADE AT DIN RAIL-MOUNTED TERMINAL BLOCKS. SEE SECTION 26 29 03 SPECIFICATIONS FOR ACCEPTABLE MAKES & MODELS.
- THE BC HYDRO SERVICE CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH BC HYDRO SPECIFICATIONS AND STANDARDS, INCLUDING STANDARD DRAWINGS ES54 M1-01.01, ES54 M1-01.02, ES54 ES54 M1-10.01, M1-10.02, ES54 H1-01.01, ES54 H1-01.02, ES54 H4-01.01, ES54 H4-01.02, ES54 H4-01.03, ES54 H4-01.01. CONFIRM REQUIREMENTS WITH BC HYDRO INSPECTOR PRIOR TO CONSTRUCTION.
- THE DOMESTIC WATER BOOSTER PUMP BP-1, VFD AND ASSOCIATED CONTROLS SHALL BE SUPPLIED AND INSTALLED BY MECHANICAL. POWER WIRING SHALL BE DONE BY THE ELECTRICAL CONTRACTOR.



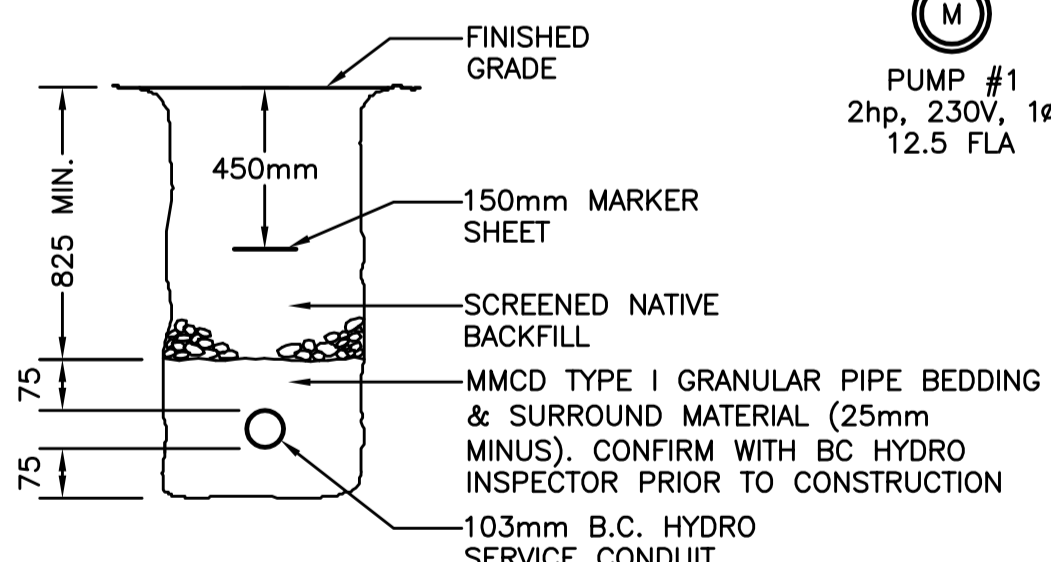
SITE PLAN
1:250



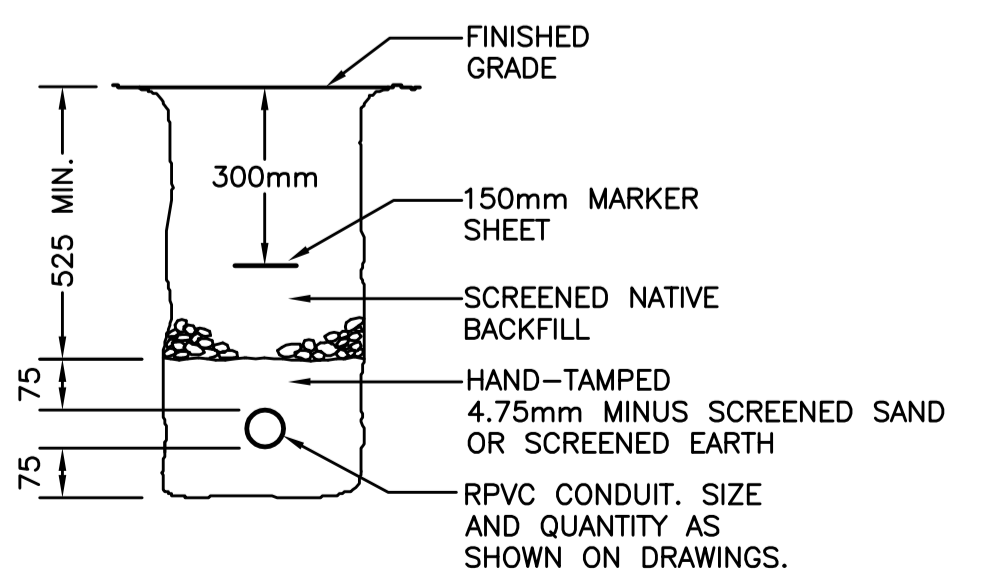
SEWAGE LIFT STATION PLAN
1:25



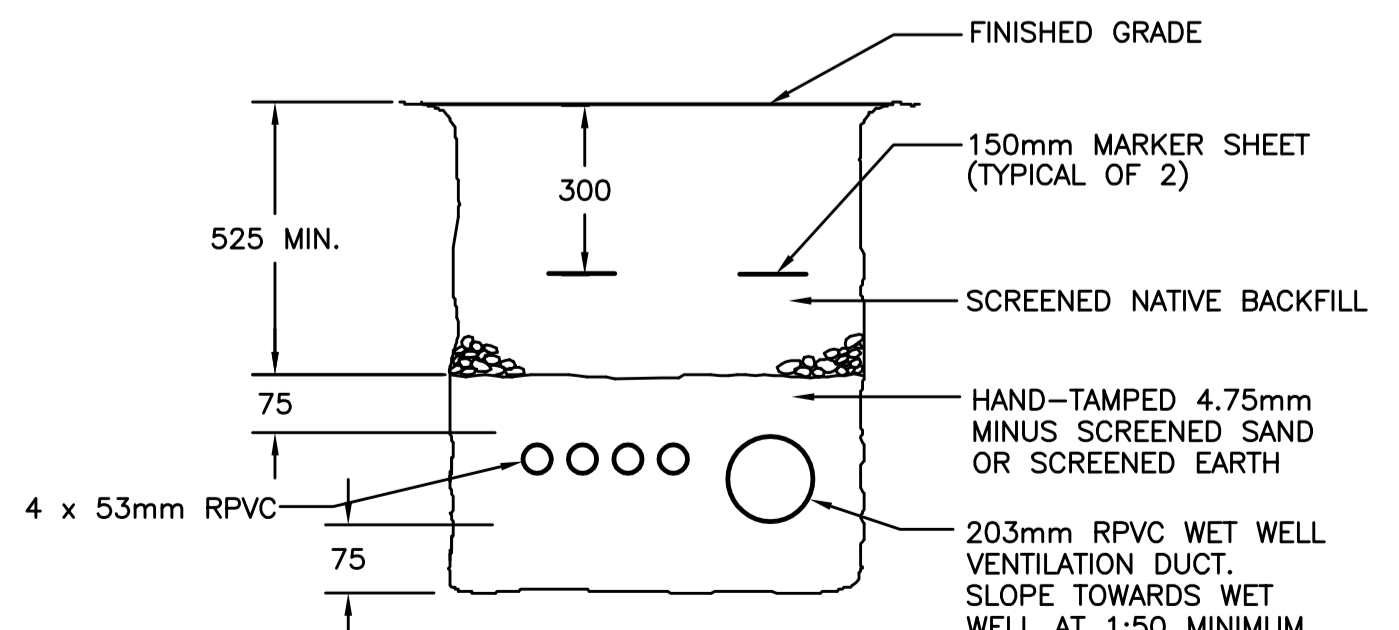
SINGLE LINE DIAGRAM
NTS



SECTION A-A
NTS



SECTION B-B
NTS



SECTION C-C
NTS

CHECK BEFORE YOU DIG
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

Revision/Revised	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/02
3	ISSUED FOR 99% CD	2016/03/09
2	ISSUED FOR 90% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/03

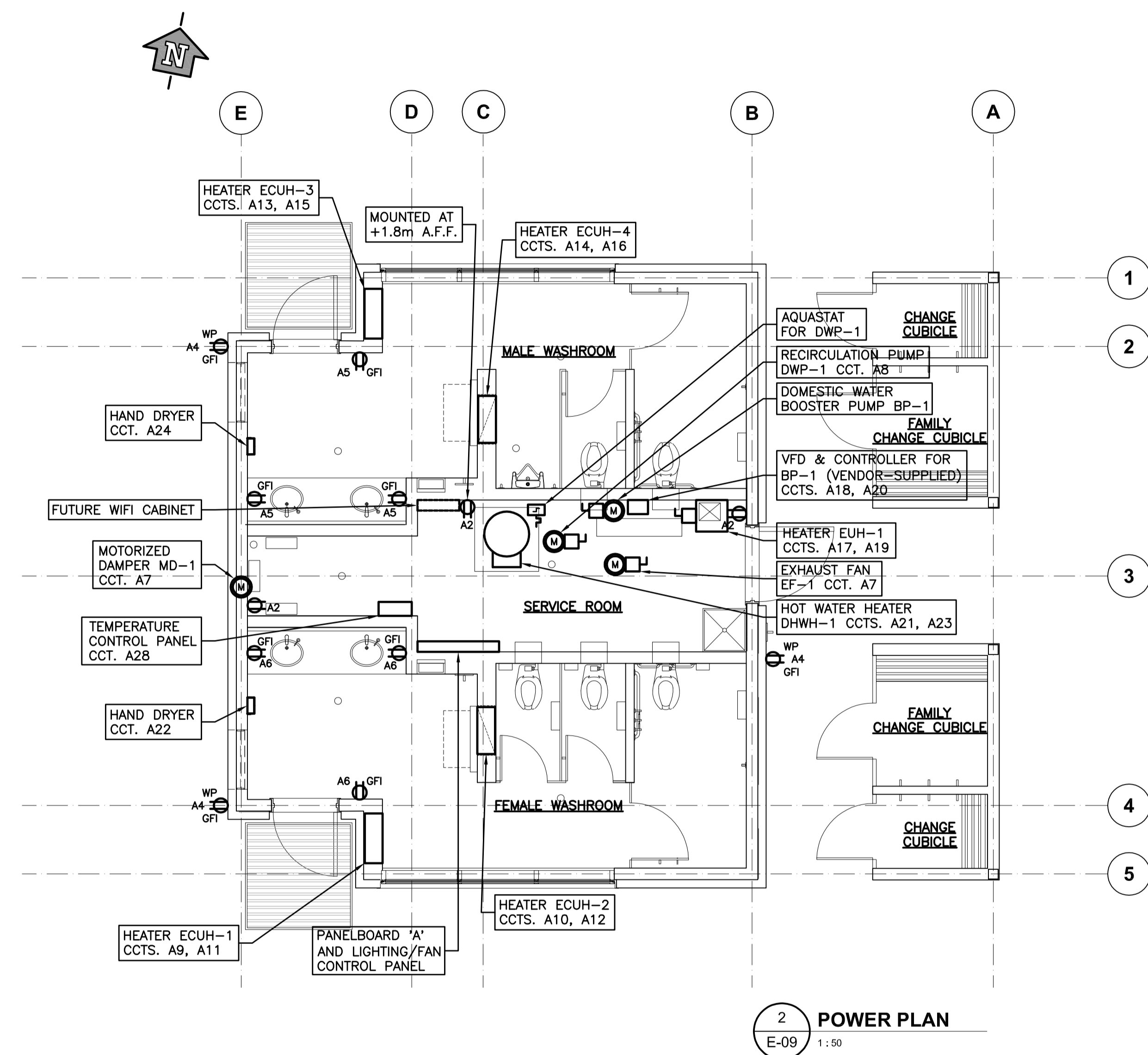
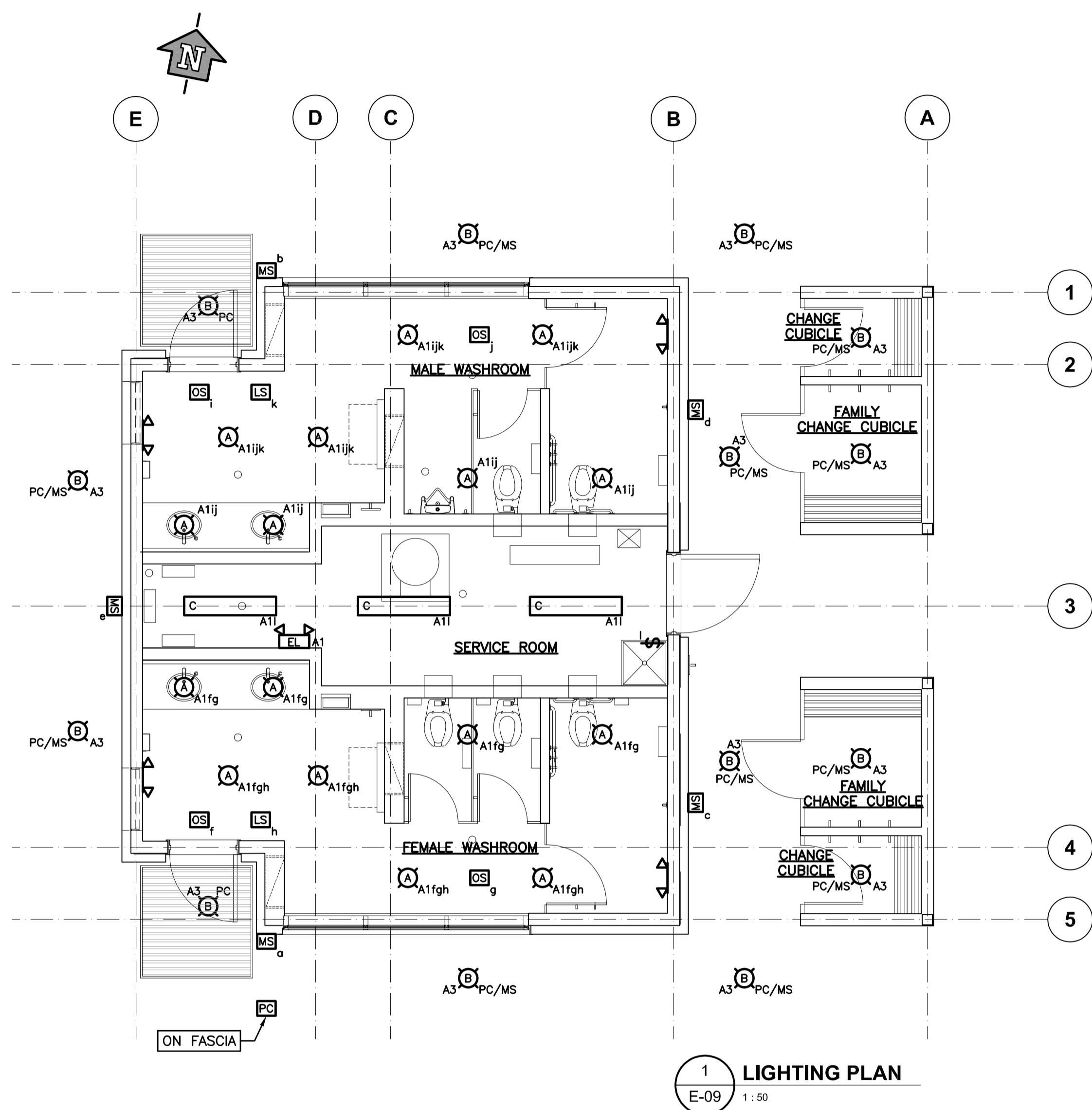
PARKS CANADA

Project Title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

Consultant Signature Only
Designed by/Concept par
T.W.
Drawn by/Dessiné par
B.F.
PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
Regional Manager, Architectural and Engineering Services,
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL
Drawing Title/Titre du dessin

**WICKANINNISH BEACH
SITE PLAN &
SINGLE LINE DIAGRAM**

Project No./No. du projet R.078666.001	Sheet/Fauille E-08	Revision no./La Révision no. 4
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Revision/Revisión	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/02
3	ISSUED FOR 99% CD	2016/03/09
2	ISSUED FOR 90% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/03

PARKS CANADA

Project Title/Titre du projet

**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

Consultant Signature Only

Designed by/Concept par

T.W.

Drawn by/Dessiné par

B.F.

PWGS Project Manager/Administrateur de Projets TPSCG

TOM DUNPHY

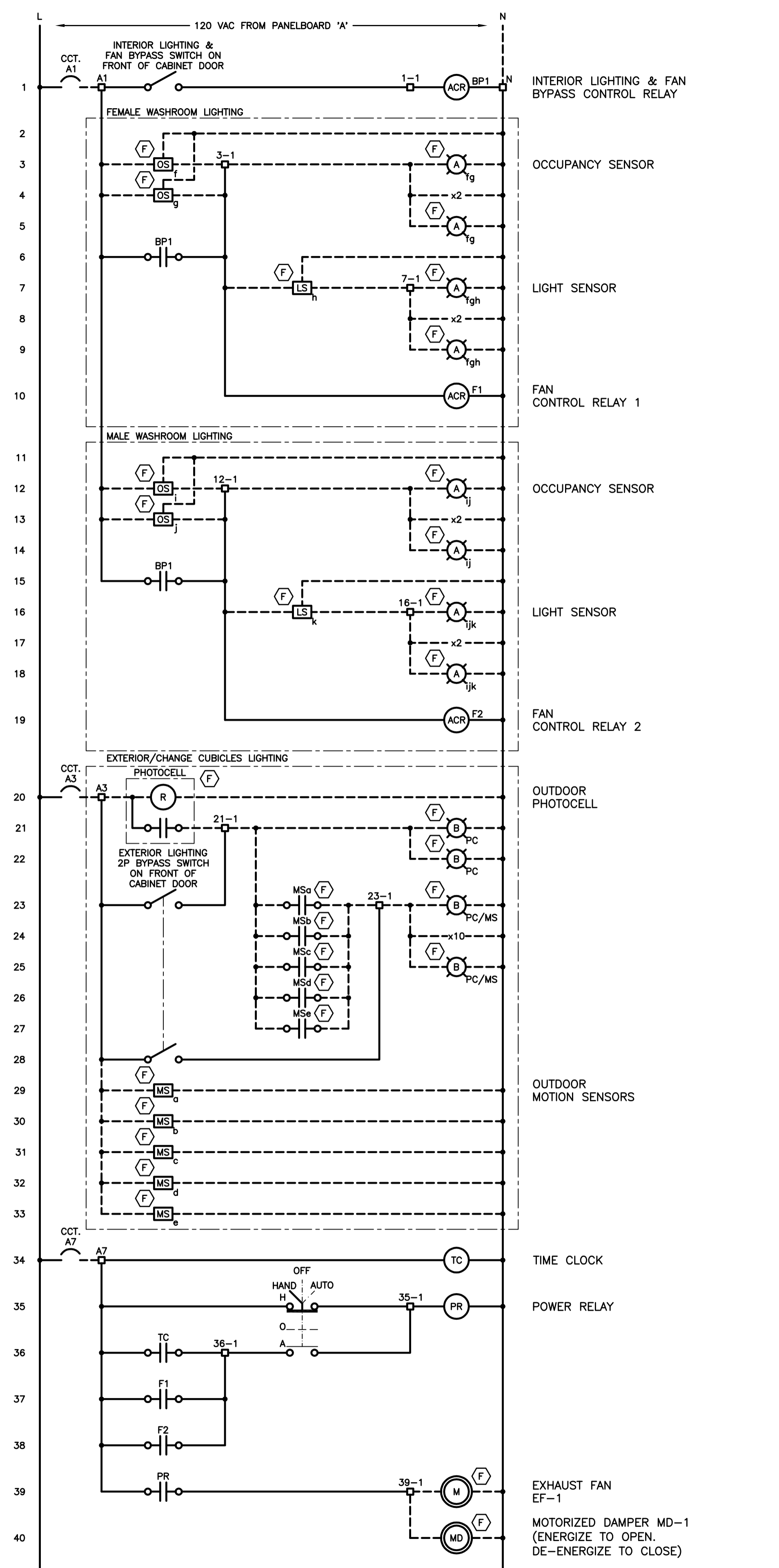
Regional Manager, Architectural and Engineering Services,
Gestionnaire régionale, Services d'architectural et de génie, TPSGC

PREETIPAL PAUL

Drawing Title/Titre du dessin

**WICKANINNIISH BEACH
LIGHTING & POWER PLANS**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.078666.001	E-09	4
	OF 20	



PANELBOARD 'A' - WICKANINNISH BEACH WASHROOM

LOAD VA L1 L2	DESCRIPTION	BKR	CIRCUIT NUMBER	BKR	DESCRIPTION	LOAD VA L1 L2
440	INDOOR LIGHTS	15	1	2	SERVICE ROOM RECEPTACLES	3 Φ
195	OUTDOOR LIGHTS	15	3	4	OUTDOOR RECEPTACLES	3 Φ
3 Φ	MALE WASHROOM RECEPTACLES	15	5	6	FEMALE WASHROOM RECEPTACLES	3 Φ
1000	EXHAUST FAN EF-1 & MOTORIZED DAMPER MD-1	15	7	8	RECIRCULATION PUMP DWP-1	250
1500	ELECTRICAL CABINET UNIT HEATER ECUH-1	15	9	10	ELECTRICAL CABINET UNIT HEATER ECUH-2	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-3	15	11	12	ELECTRICAL CABINET UNIT HEATER ECUH-4	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-3	15	13	14	ELECTRICAL CABINET UNIT HEATER ECUH-4	1500
1500	UNIT HEATER UH-1	15	15	16	DOMESTIC WATER BOOSTER PUMP BP-1	3600
1500	UNIT HEATER UH-1	15	17	18	DOMESTIC WATER BOOSTER PUMP BP-1	3600
6000	DOMESTIC HOT WATER HEATER DHWH-1	15	19	20	DOMESTIC HOT WATER HEATER DHWH-1	6000
6000	DOMESTIC HOT WATER HEATER DHWH-1	15	21	22	FEMALE WASHROOM HAND DRYER	1400
		70	23	24	MALE WASHROOM HAND DRYER	1400
			25	26	PARKING TICKET DISPENSERS	100
			27	28	TEMPERATURE CONTROL PANEL	100
			29	30	SPARE	
			31	32		
			33	34		
			35	36		
			37	38		
			39	40		
			41	42		

VOLTS AND PHASE: 120/240V, 1Φ, 3W AMPS: 200 BREAKER SYM. I.C. 10 kA
LOCATION: SERVICE ROOM MOUNTING: SURFACE
MAKE AND TYPE:

CONNECTED LOAD (VA)	19040	20045
ESTIMATED LOAD (VA)	2250	750
TOTAL LOAD (VA)	21290	20795

42085 VA TOTAL

PANELBOARD 'B' - WICKANINNISH BEACH ELECTRICAL KIOSK

LOAD VA L1 L2	DESCRIPTION	BKR	CIRCUIT NUMBER	BKR	DESCRIPTION	LOAD VA L1 L2
4000	CONTROL PANEL	1	1	2	KIOSK LIGHTING & HANDHELD TROUBLE LIGHT	120
3000	CONTROL PANEL	40	3	4	KIOSK GFI DUPLEX RECEPTACLES	2 Φ
200	KIOSK COOLING FAN	15	5	6	WET WELL VENTILATION FAN	500
1500	KIOSK HEATER	15	7	8		
	SPARE	15	9	10		
			11	12		
			13	14		
			15	16		
			17	18		
				30	SURGE PROTECTIVE DEVICE	

VOLTS AND PHASE: 120/240V, 1Φ, 3W AMPS: 100 BREAKER SYM. I.C. 10 kA
LOCATION: ELECTRICAL KIOSK MOUNTING: SURFACE
MAKE AND TYPE:

CONNECTED LOAD (VA)	4820	4500
ESTIMATED LOAD (VA)		500
TOTAL LOAD (VA)	4820	5000

9820 VA TOTAL

- LEGEND:**
- DEVICE TERMINAL
 - CONTROL PANEL TERMINAL
 - ⊙ ACR AC CONTROL RELAY
 - ⊙ A LIGHT (SEE LIGHTING PLAN LEGEND)
 - WIRING WITHIN CONTROL PANEL
 - - - WIRING EXTERNAL TO CONTROL PANEL
 - ⊙ F EQUIPMENT LOCATED IN FIELD

Revision/	Description/Description	Date/Date
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1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/02

Client/client

PARKS CANADA

Project title/Titre du projet

PACIFIC RIM HIGHWAY

PACIFIC RIM NATIONAL PARK WASHROOM BUILDINGS REPLACEMENT

Consultant Signature Only

Designed by/Concept par
T.W.

Drawn by/Dessiné par
B.F.

PWGS/C Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY

Regional Manager, Architectural and Engineering Services,
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin

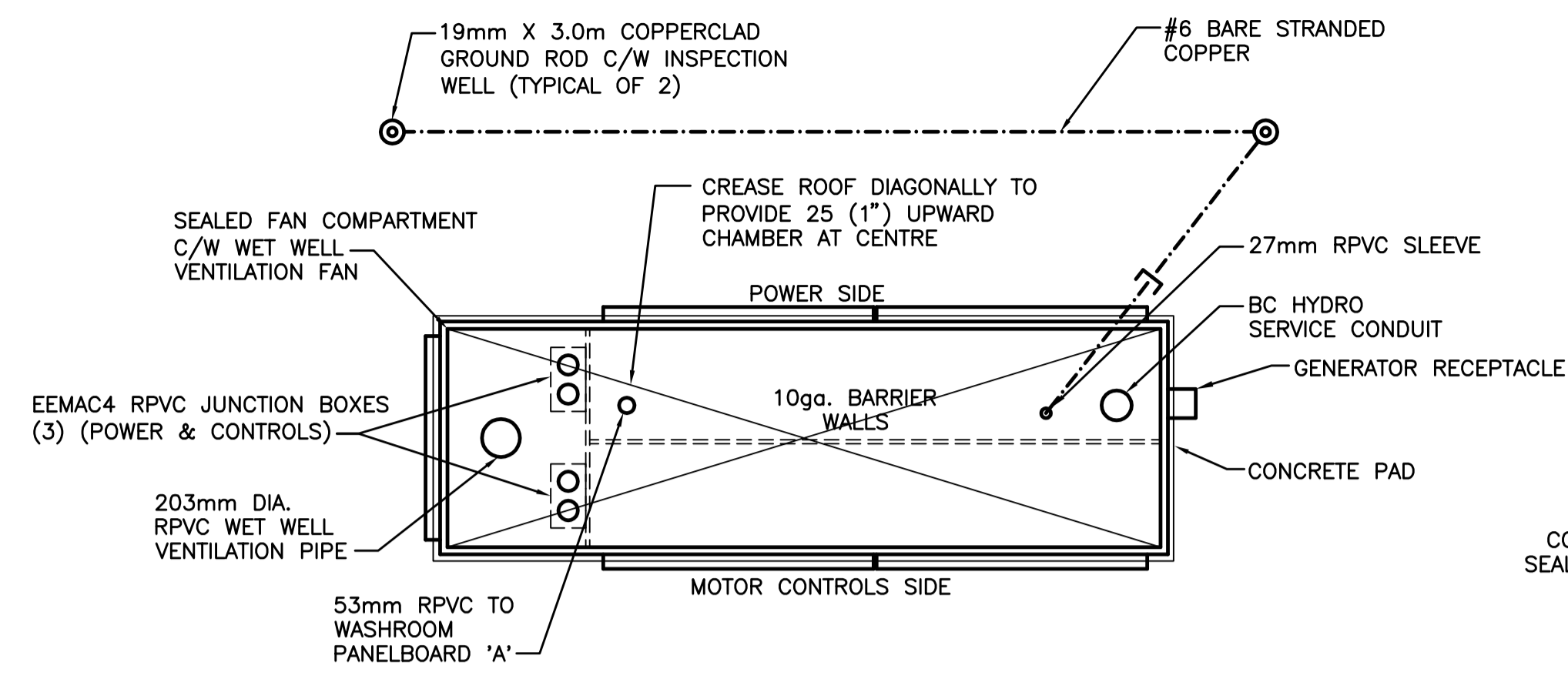
WICKANINNISH BEACH LIGHTING/FAN CONTROL PANEL SCHEMATIC DIAGRAM & PANELBOARD SCHEDULES

Project No./No. du projet R.078666.001	Sheet/Fauille E-10	Revision no./La Révision no. 4
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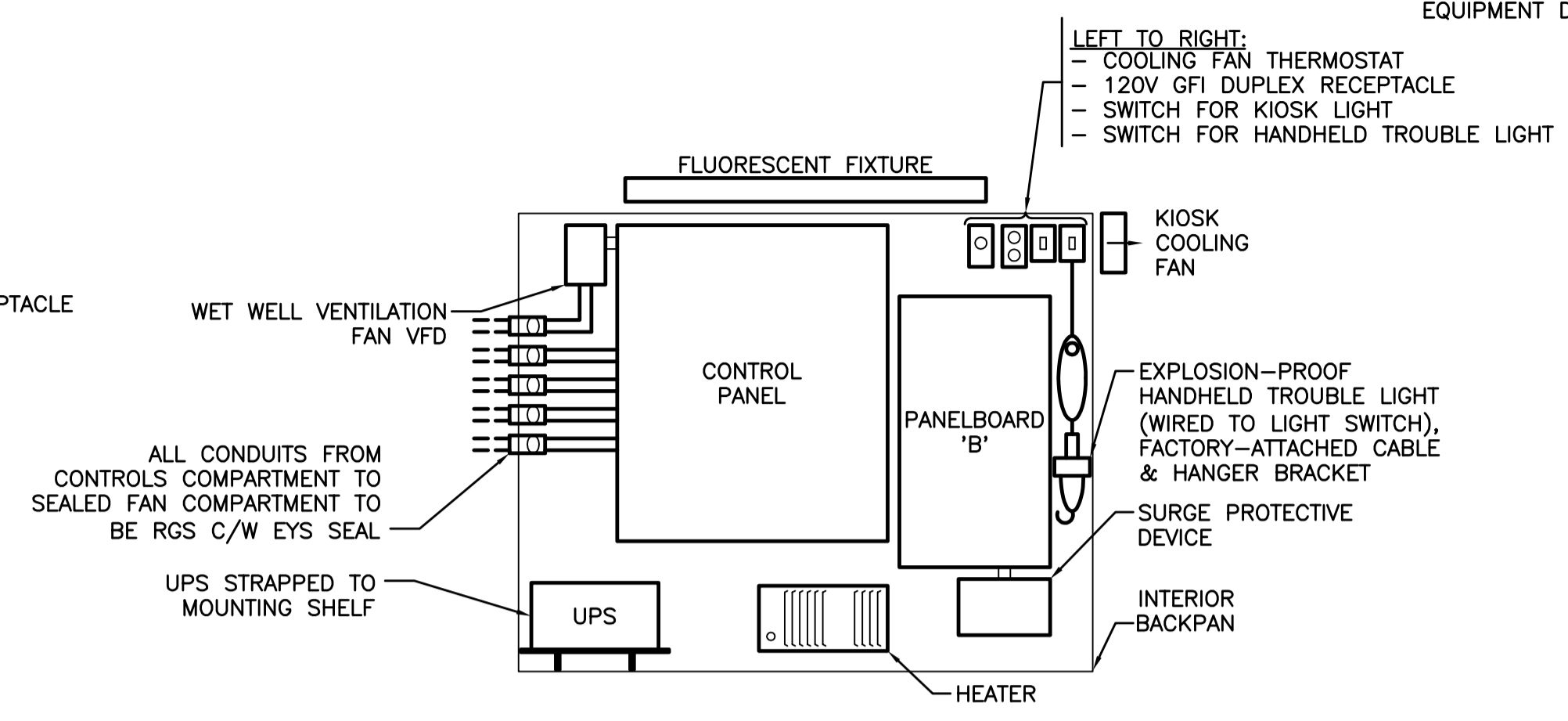
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NOTES:

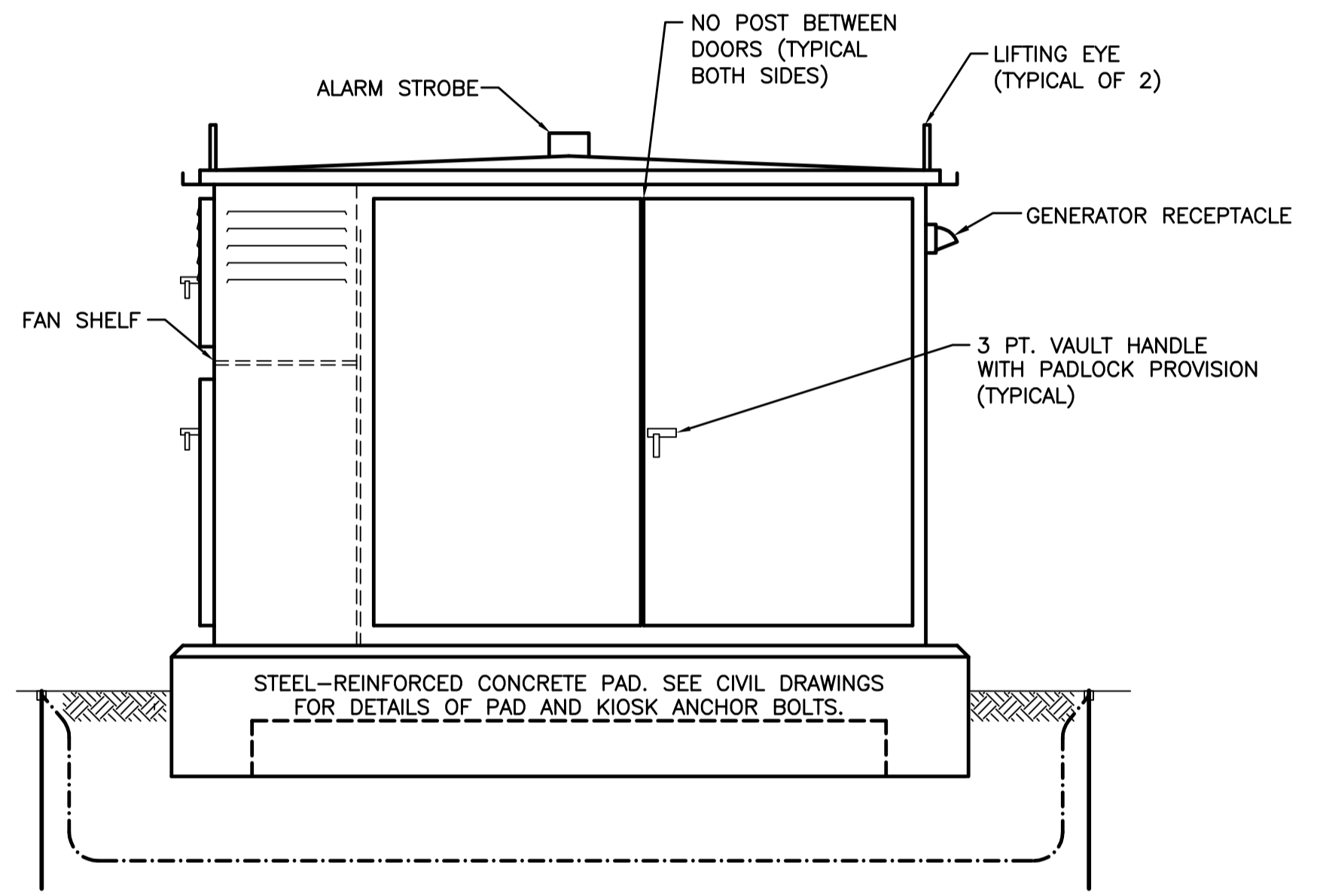
1. KIOSK & EQUIPMENT DIMENSIONS SHOWN ARE APPROXIMATE ONLY. FINAL EQUIPMENT LOCATIONS AND KIOSK SIZE SHALL BE ADJUSTED AS REQUIRED TO SUIT ACTUAL EQUIPMENT DIMENSIONS.



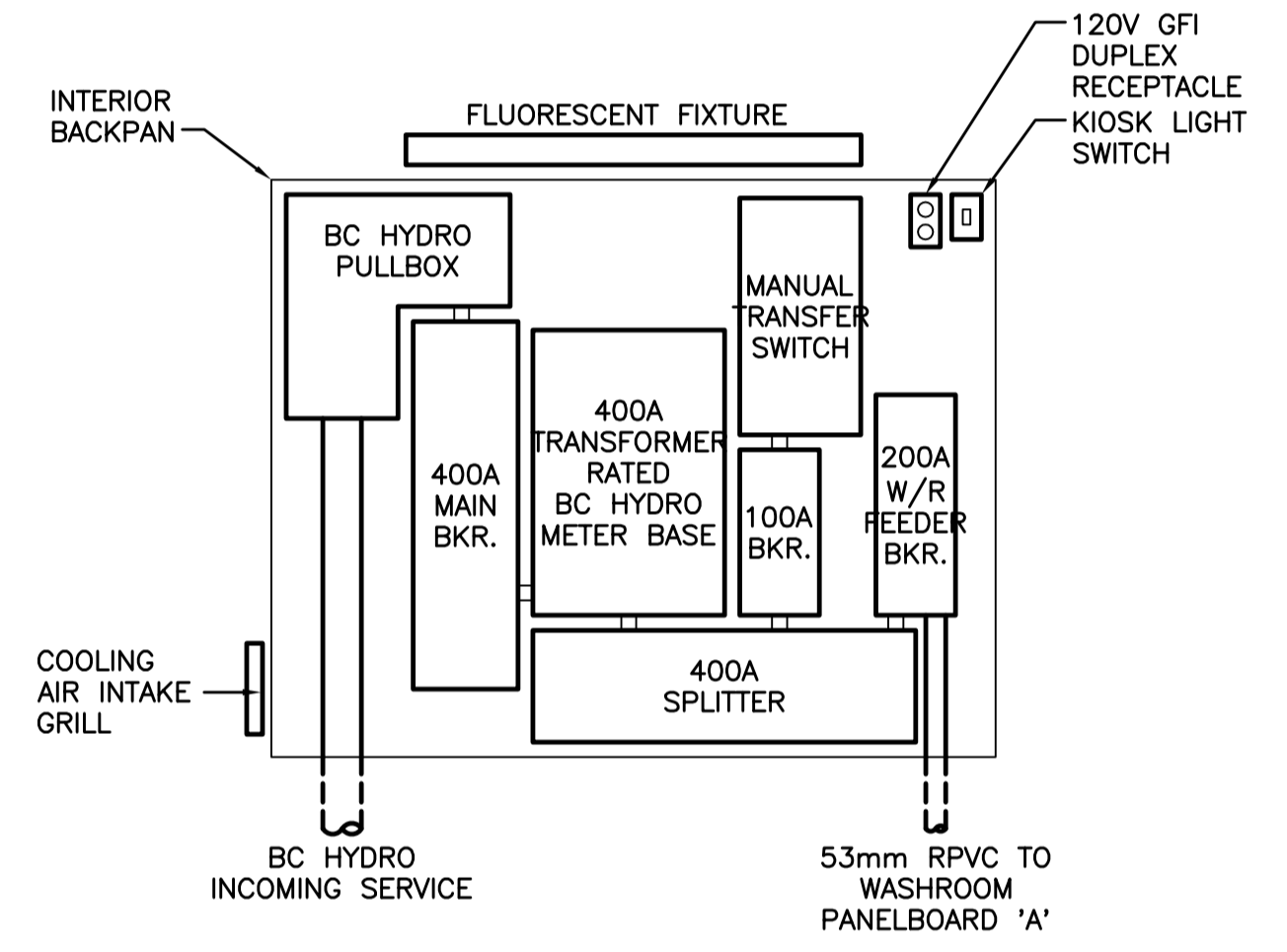
KIOSK PLAN VIEW
1:20



KIOSK CONTROLS SIDE INTERIOR
1:20



KIOSK MOTOR CONTROLS SIDE ELEVATION
1:20



KIOSK POWER SIDE INTERIOR
1:20

5		
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Revision/Revisión	Description/Description	Date/Date

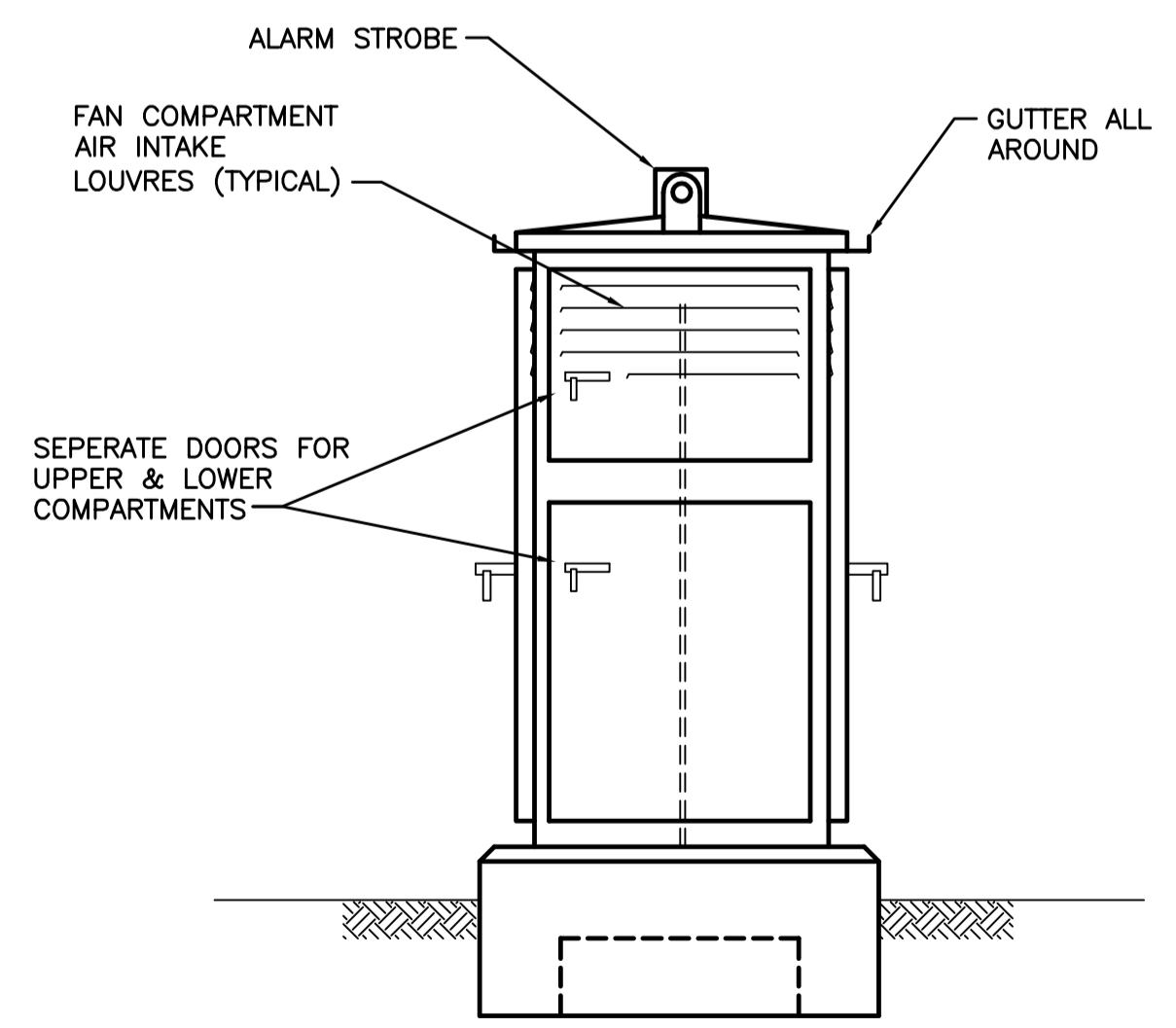
Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

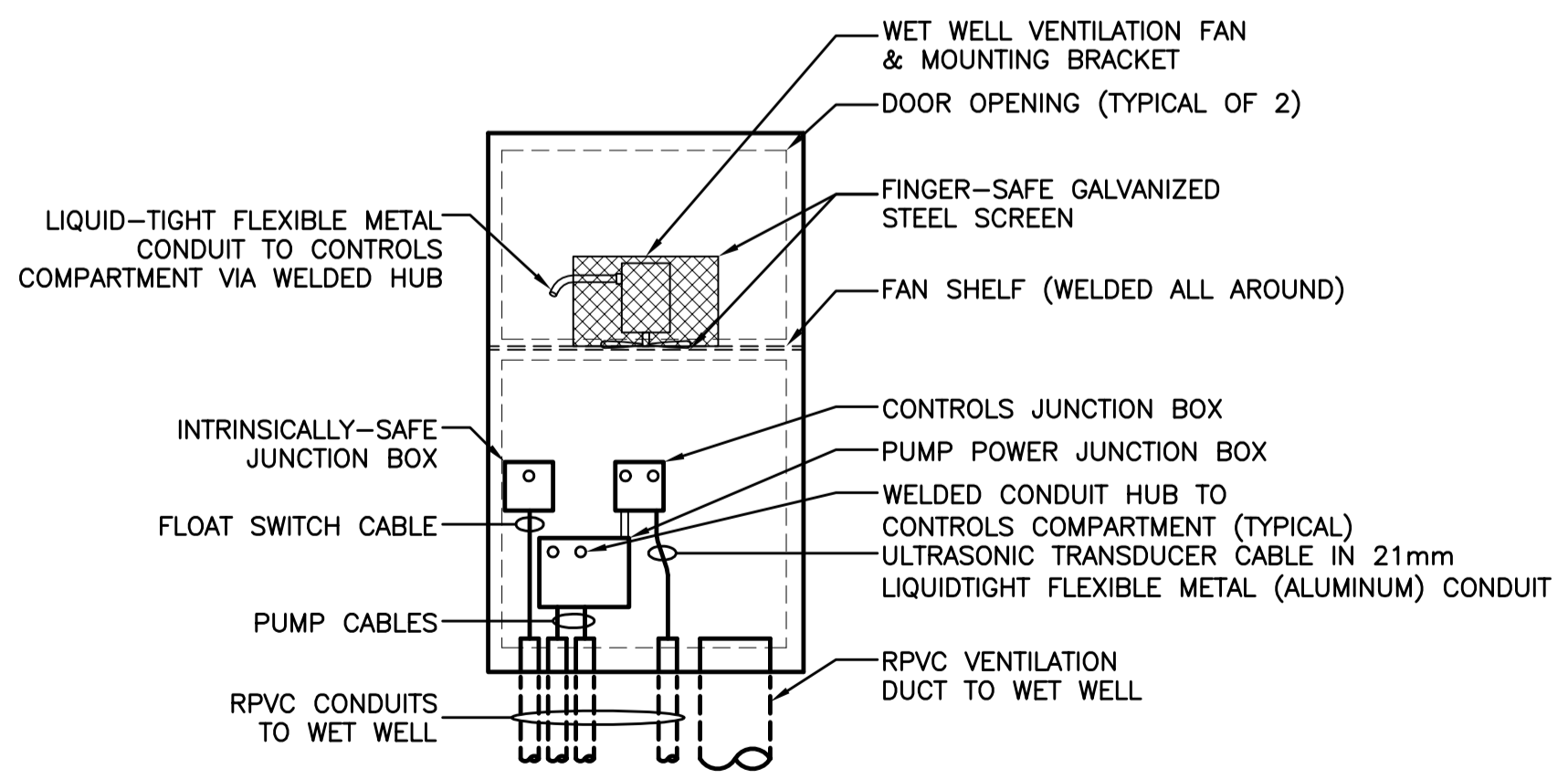
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Designed by/Concept par
T.W.
Drawn by/Dessiné par
B.F.
PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
Regional Manager, Architectural and Engineering Services
Généraliste régionale, Services d'architecture et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin
**WICKANINISH BEACH
SEWAGE LIFT STATION
KIOSK LAYOUT & DETAIL**

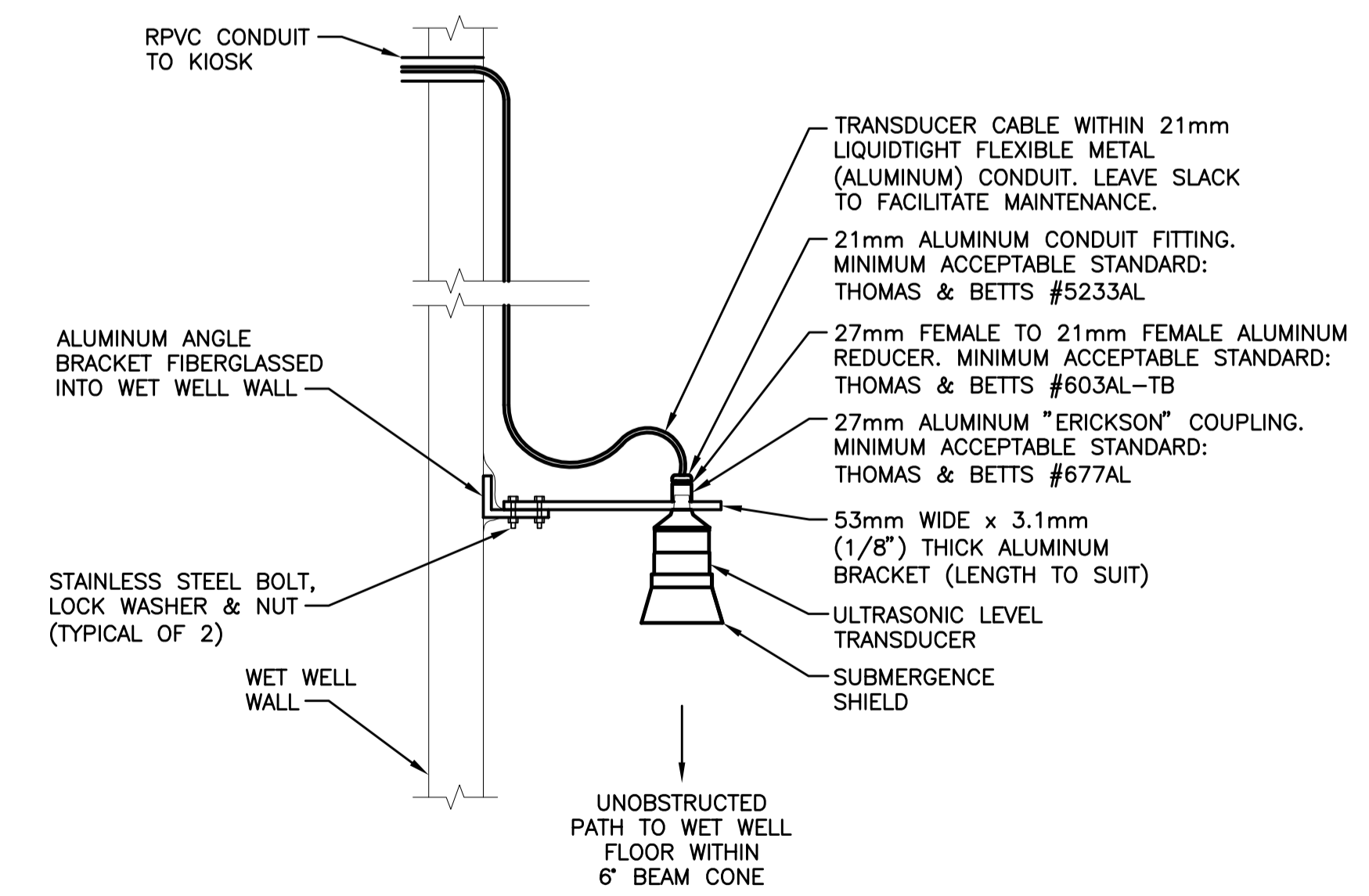
Project No./No. du projet R.078666.001	Sheet/Feuille E-11 OF 20	Revision no./ La Révision no. 4
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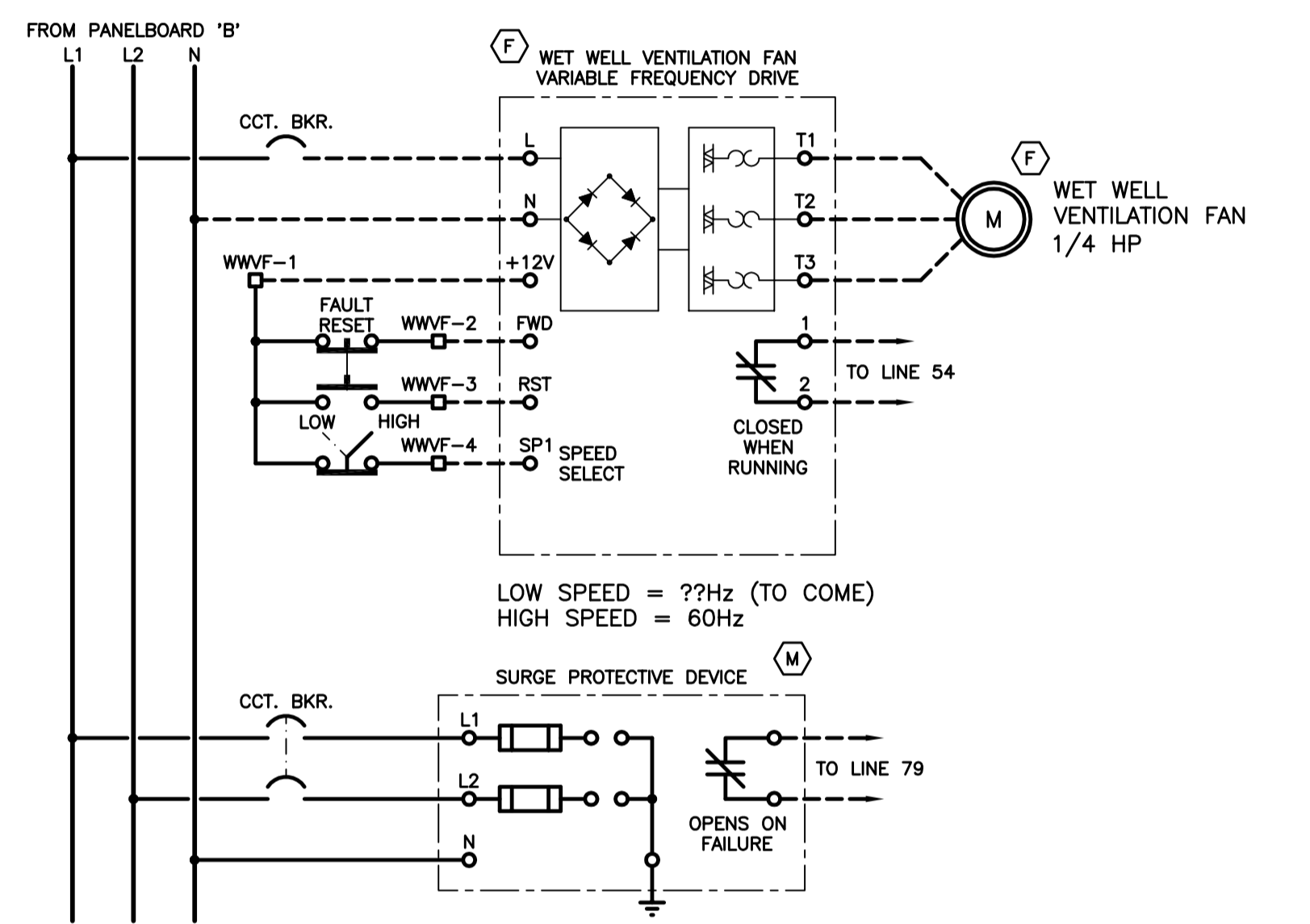
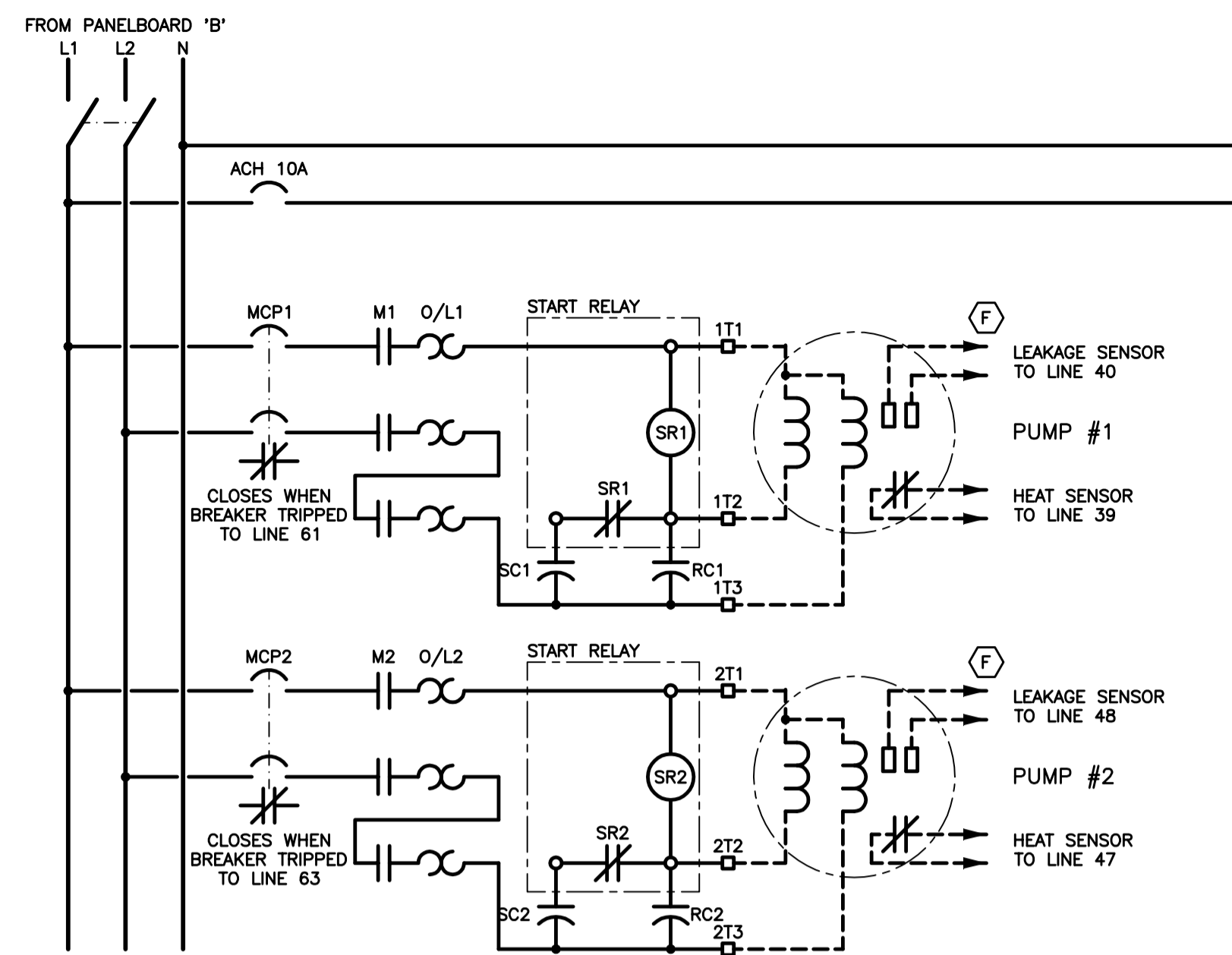
KIOSK END ELEVATION
1:20



FAN COMPARTMENT INTERIOR ELEVATION
NTS



ULTRASONIC LEVEL TRANSDUCER MOUNTING DETAIL
NTS



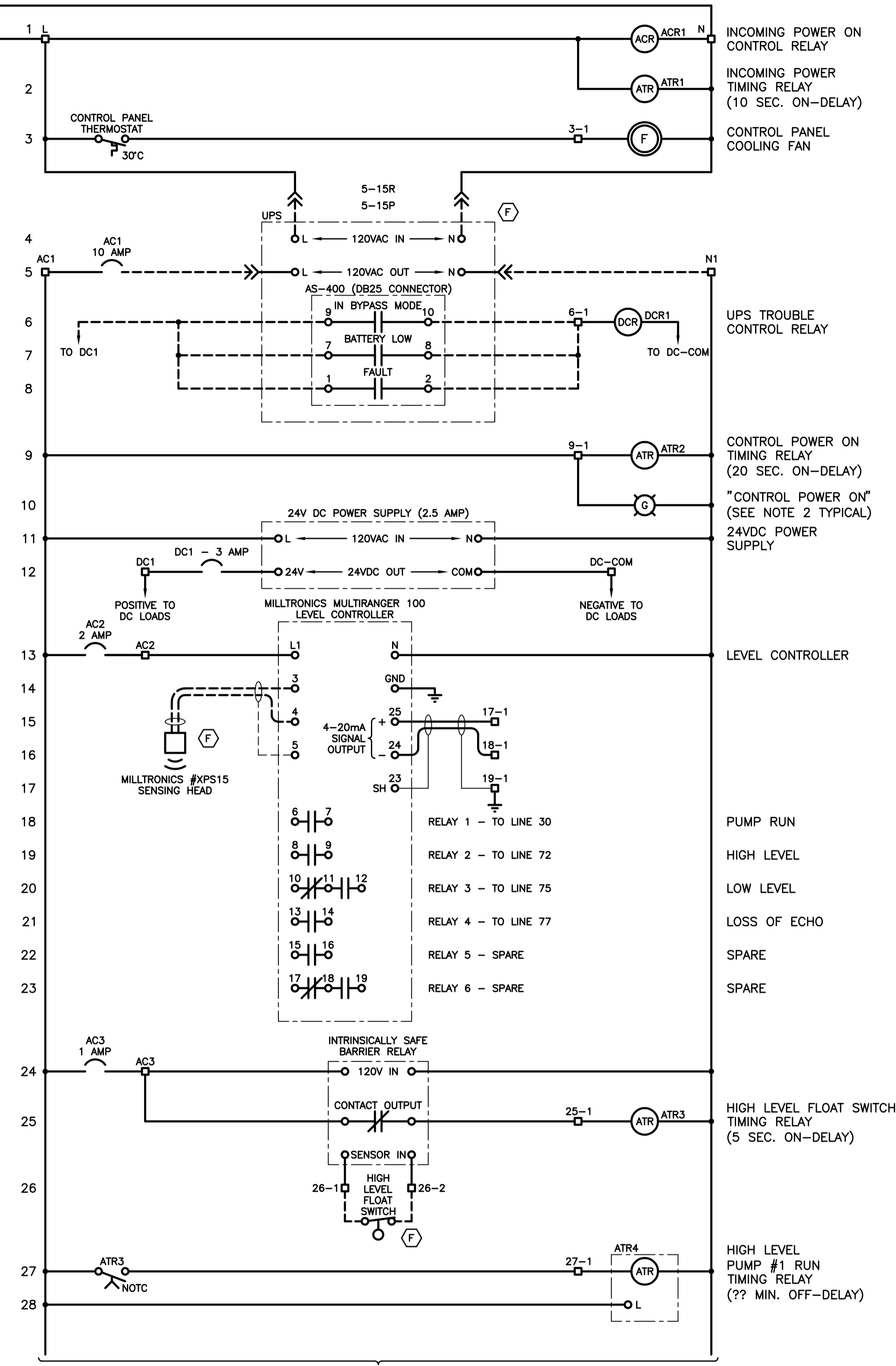
DUTY SEQUENCE SWITCH TARGET CHART

	P1-P2	ALT	P2-P1
A	-	X	-
B	X	-	-
C	-	X	-
D	-	-	X

X DENOTES CLOSURE

NOTES:

1. WIRE NUMBERS SHALL MATCH TERMINAL NUMBERS, UNLESS NOTED OTHERWISE.
2. ALL INDICATING LAMPS SHALL BE PUSH-TO-TEST TYPE.



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Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

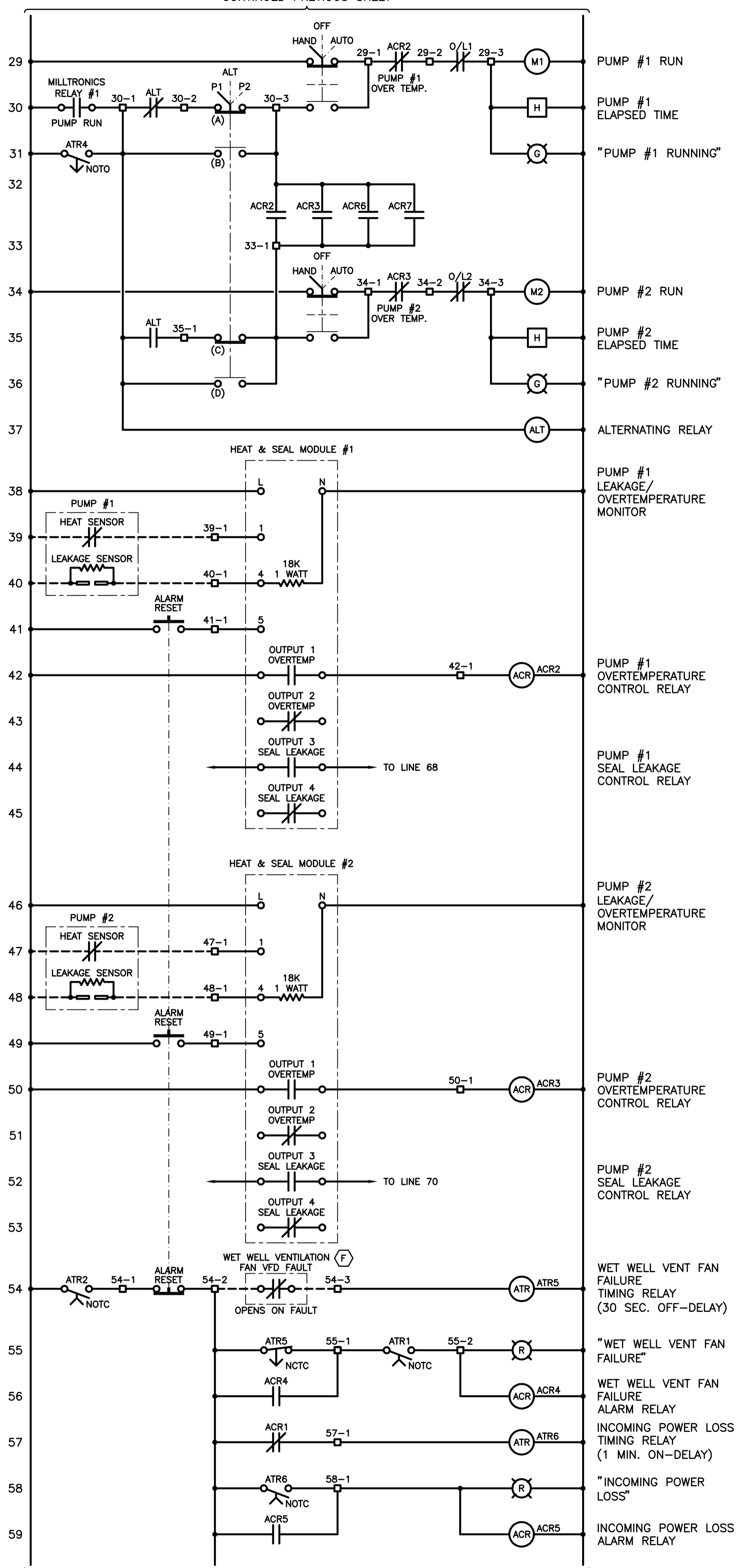
Consultant Signature Only
Designed by/Concept par
T.W.
Drawn by/Dessiné par
B.F.
PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
Regional Manager, Architectural and Engineering Services
Gestionnaire régional, Services d'architecture et de génie, TPSGC
PREETIPAL PAUL
Drawing title/Titre du dessin

**WICKANINISH BEACH
SEWAGE LIFT STATION
SCHEMATIC DIAGRAM**

Project No./No. du projet R.078666.001	Sheet/Feuille E-12	Revision no./ La Révision no. 4
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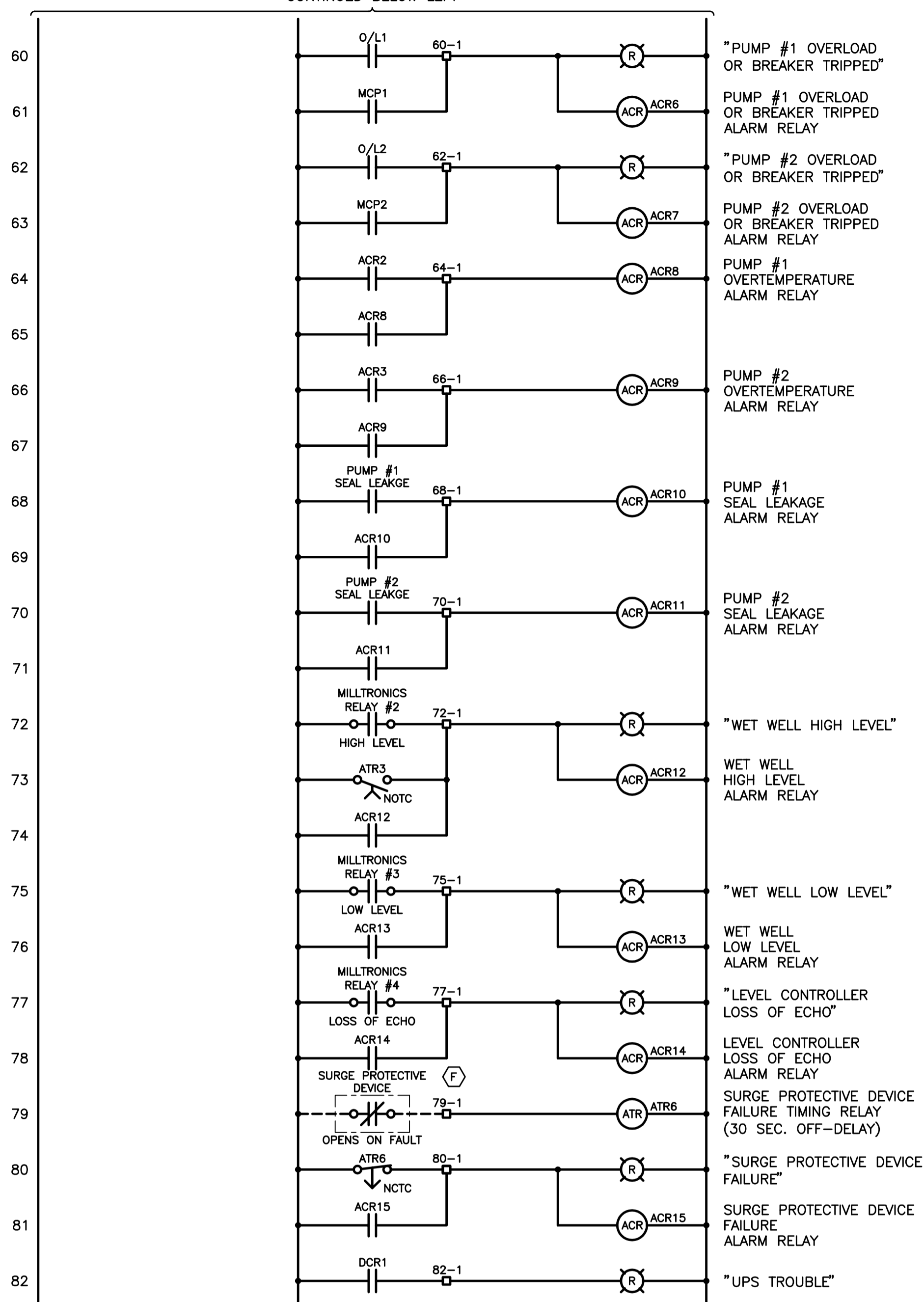
OF 20

CONTINUED PREVIOUS SHEET



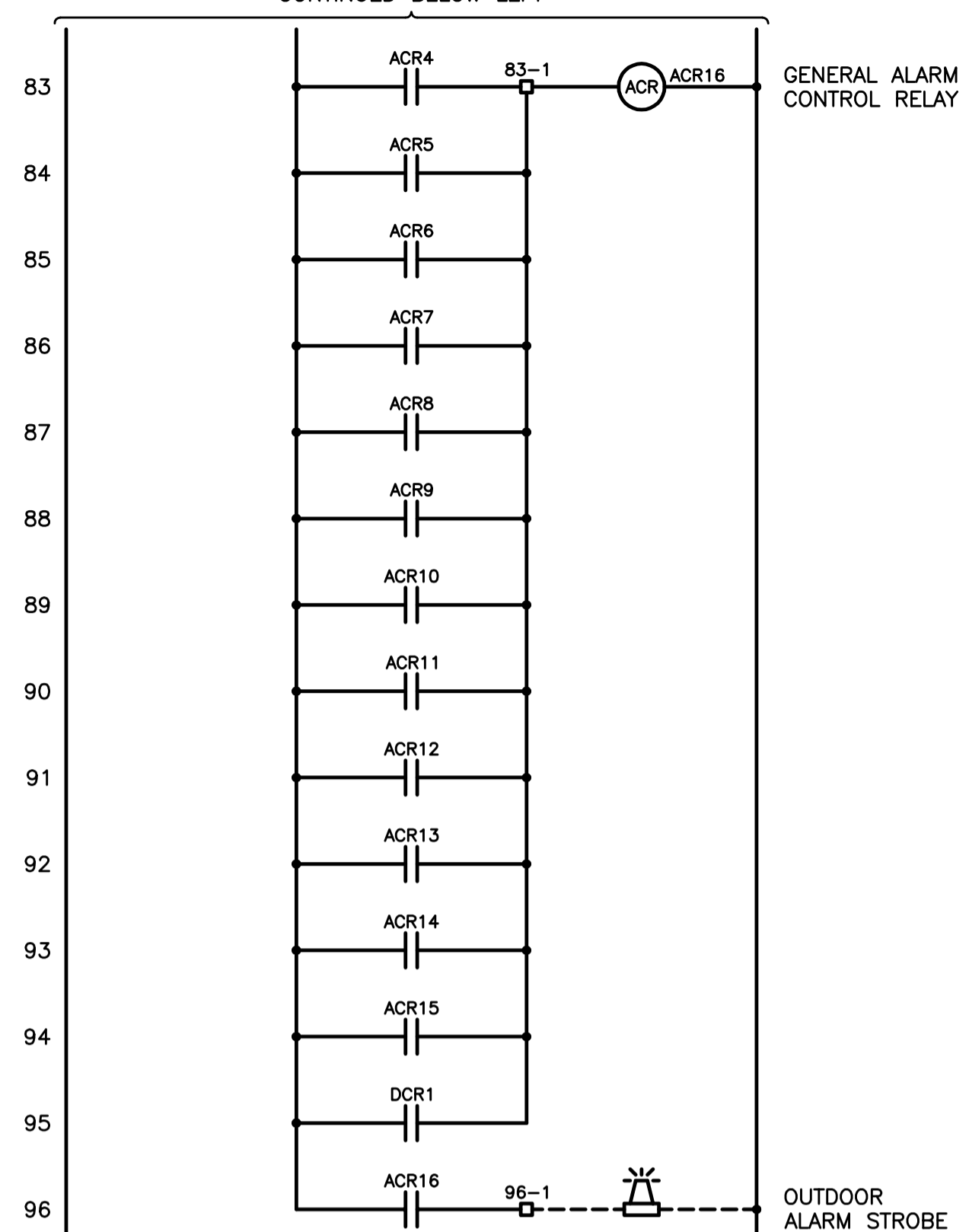
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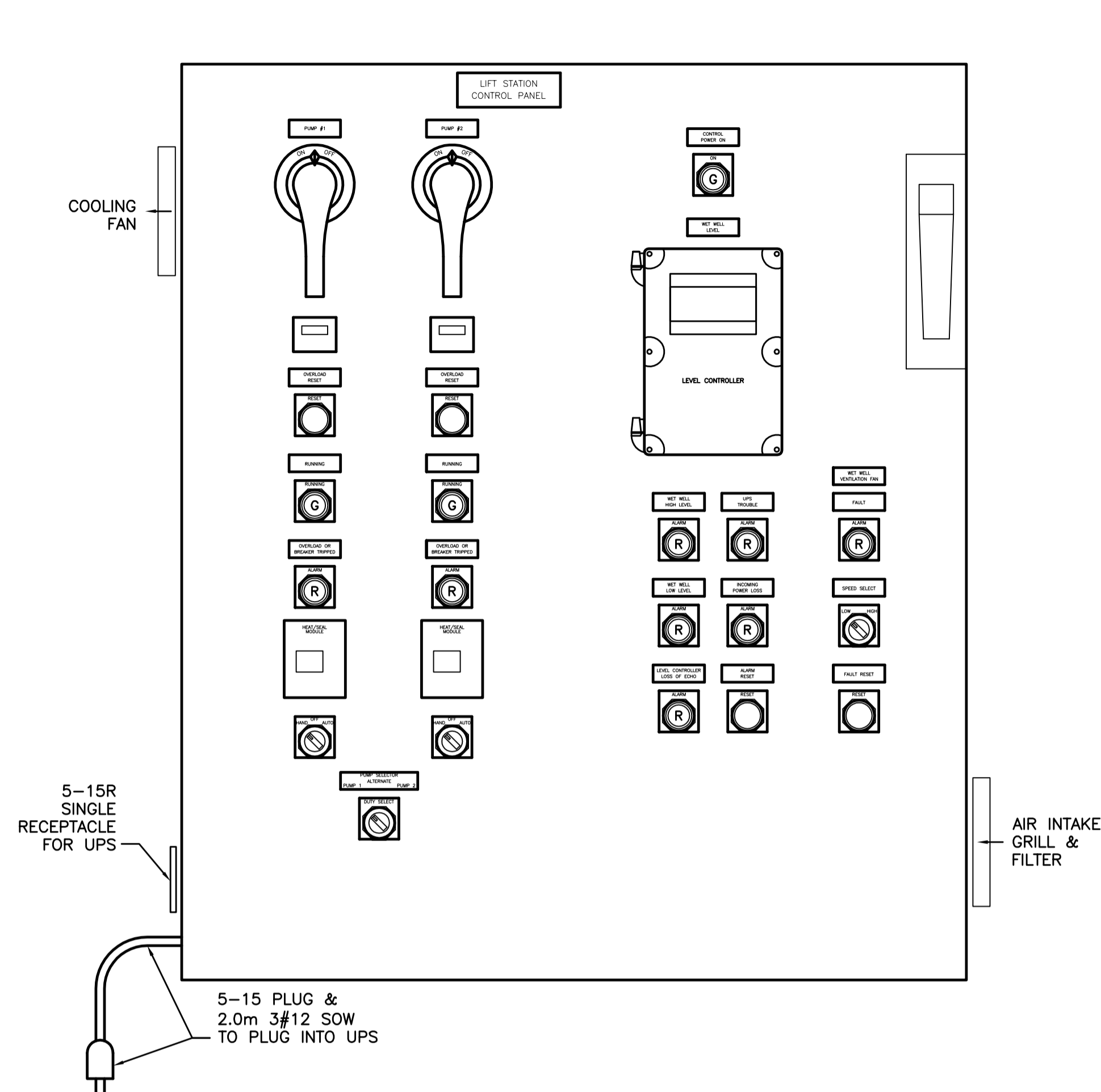
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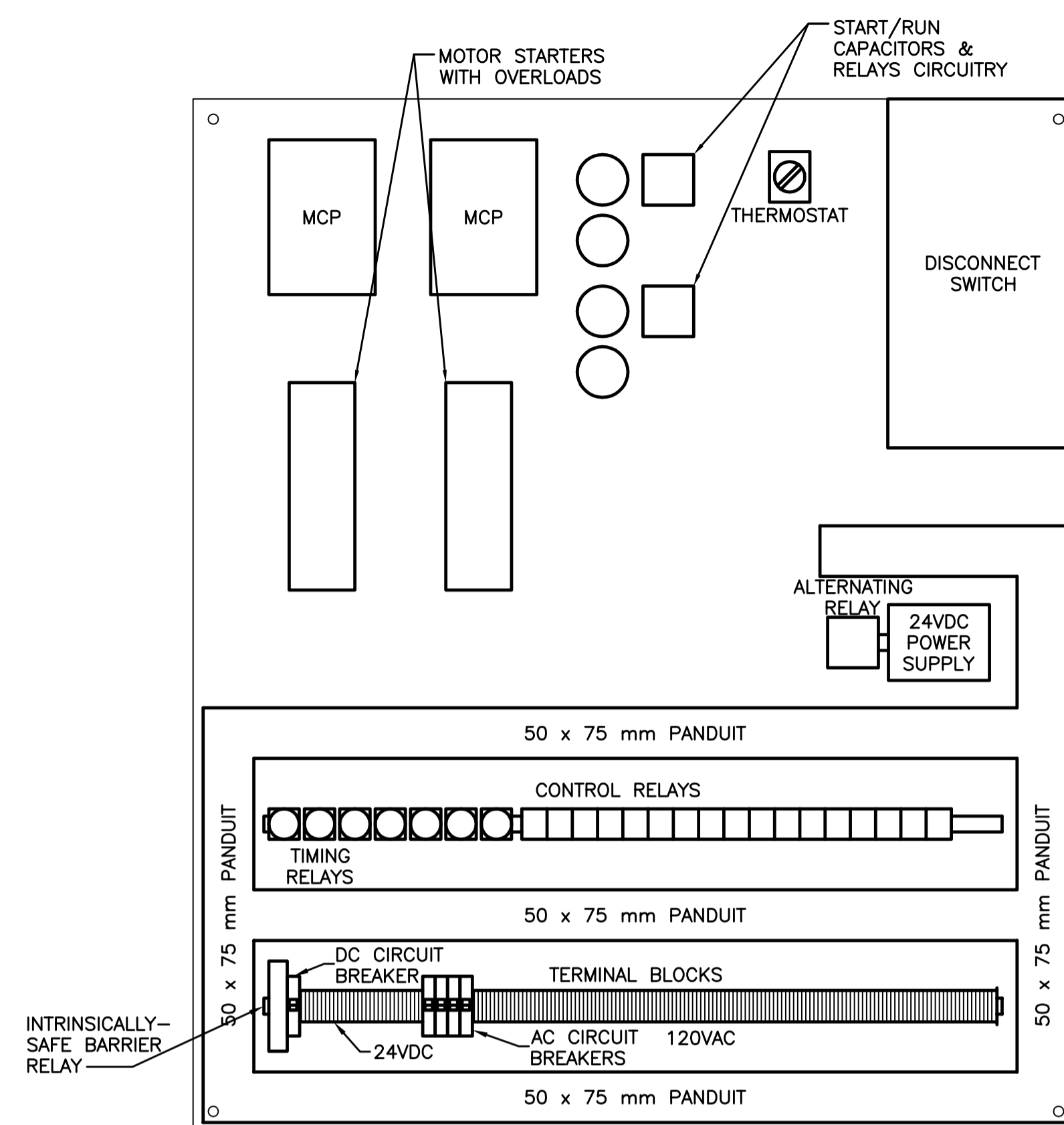
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CONTROL PANEL EXTERIOR LAYOUT
SCALE 1:5



CONTROL PANEL INTERIOR LAYOUT
SCALE 1:5

CONTROL PANEL NOTES:

- CONTROL PANEL INTERNAL WIRING SHALL BE AS FOLLOWS:
 - ANALOG WIRING: #18 AWG CU, SHIELDED, TWISTED PAIR, RW90 (XLPE)
 - CONTROL WIRING: #16 AWG CU, 19 STRAND, TYPE TEW.
 - POWER WIRING: #12 - #10 AWG CU, 19 STRAND, TYPE TEW.
 - POWER WIRING: #8 AWG OR LARGER, CU STRANDED, TYPE RW90 (XLPE).
- NAMEPLATES SHALL BE THREE-PLY LAMACOID, WHITE WITH BLACK ENGRAVED LETTERING. 80mm X 20mm WITH 3.5mm LETTERING AS SHOWN ON DRAWING. NAMEPLATES SHALL BE SCREWED TO PANEL.
- ALL CONTROL PANEL INTERNAL WIRING SHALL BE MARKED AT BOTH ENDS WITH WIRE NUMBERS. (WIRE NUMBER = CONTROL PANEL TERMINAL NUMBER) SEE SCHEMATIC DIAGRAM FOR DETAILS.
- SHIELD CONDUCTORS ON ANALOG TWISTED PAIR CABLES SHALL BE CONNECTED TO GROUND AT ONE END ONLY. SEE SCHEMATIC DIAGRAM FOR DETAILS.
- PANEL MATERIALS, LAYOUT OR WIRING SHALL NOT BE MODIFIED WITHOUT WRITTEN AUTHORIZATION FROM ENGINEER.
- COMPLETED PANEL SHALL BEAR A CSA OR EQUIVALENT INSPECTION STICKER AND SHALL BE INSPECTED AT FABRICATION SHOP BY ENGINEER PRIOR TO SHIPMENT TO SITE.
- PANEL LAYOUT AND SIZING IS APPROXIMATE ONLY AND SHALL BE ADJUSTED AS REQUIRED TO SUIT ACTUAL EQUIPMENT SIZES.

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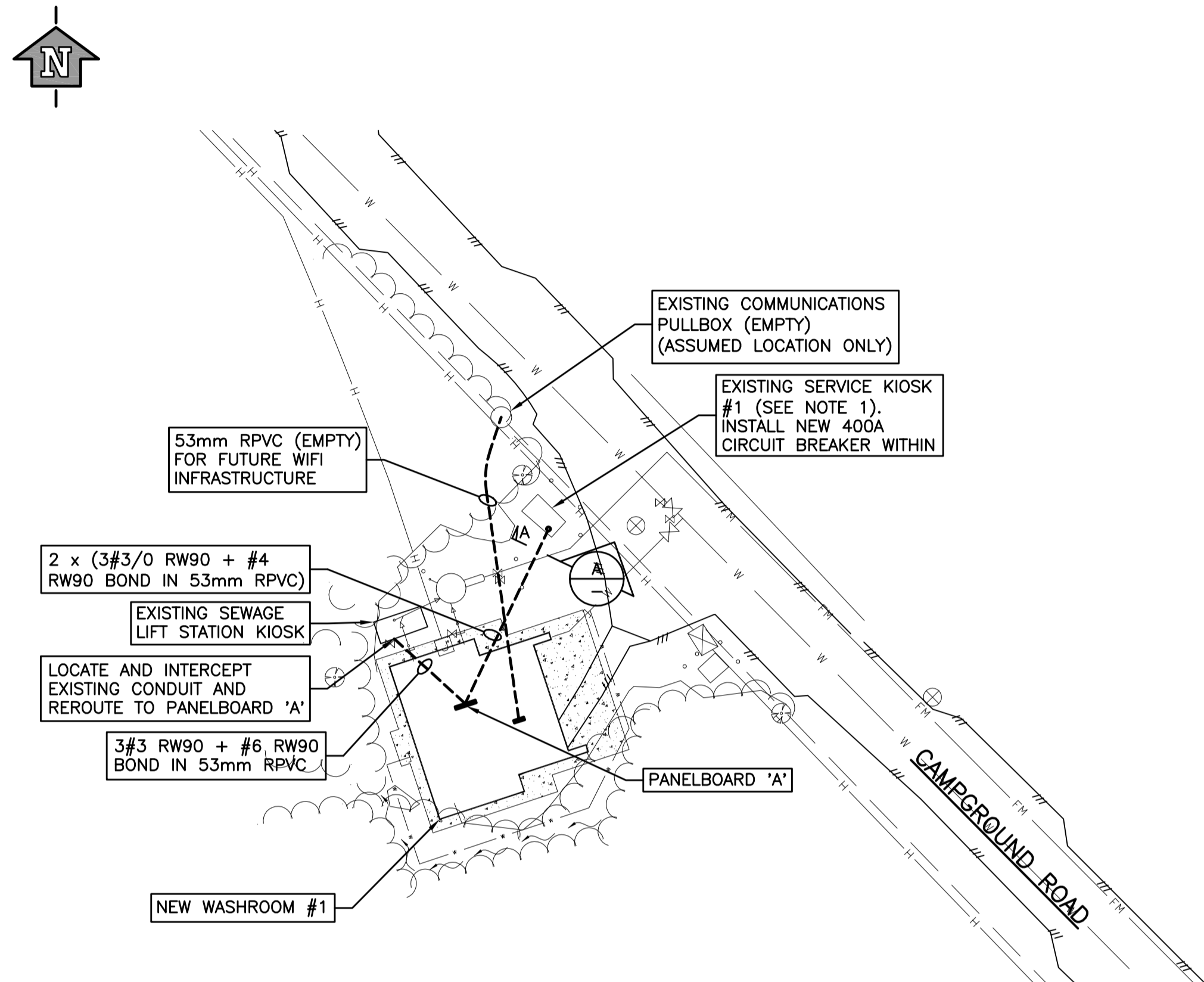
Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

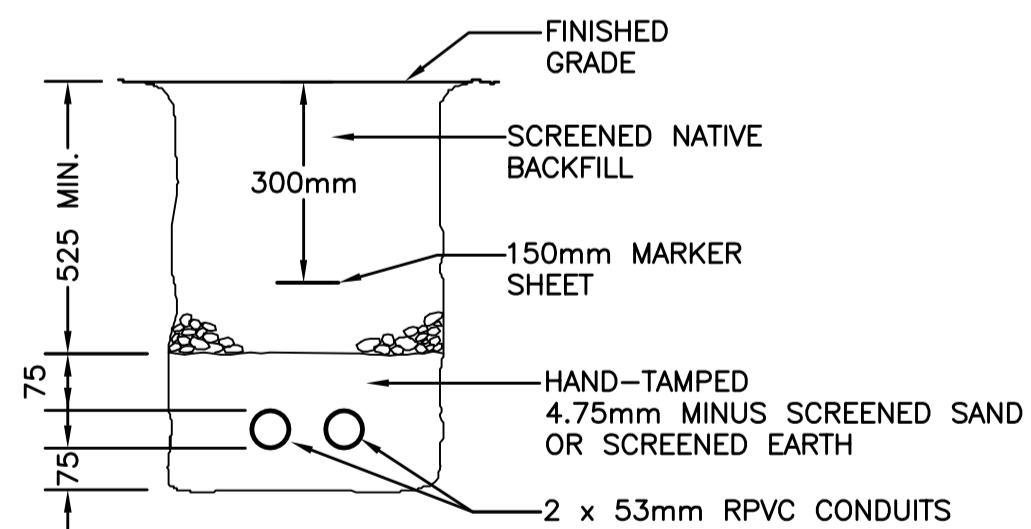
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T.W.
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B.F.
PWGSC Project Manager/Administrateur de Projets TPSCG
TOM DUNPHY
Regional Manager, Architectural and Engineering Services
Généraliste régionale Services d'architecture et de génie, TPSCG
PREETIPAL PAUL

Drawing title/Titre du dessin
**WICKANINISH BEACH
SEWAGE LIFT STATION
CONTROL PANEL LAYOUT**

Project No./No. du projet R.078666.001	Sheet/Feuille E-14 OF 20	Revision no./ La Révision no. 4
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SITE PLAN
1:250



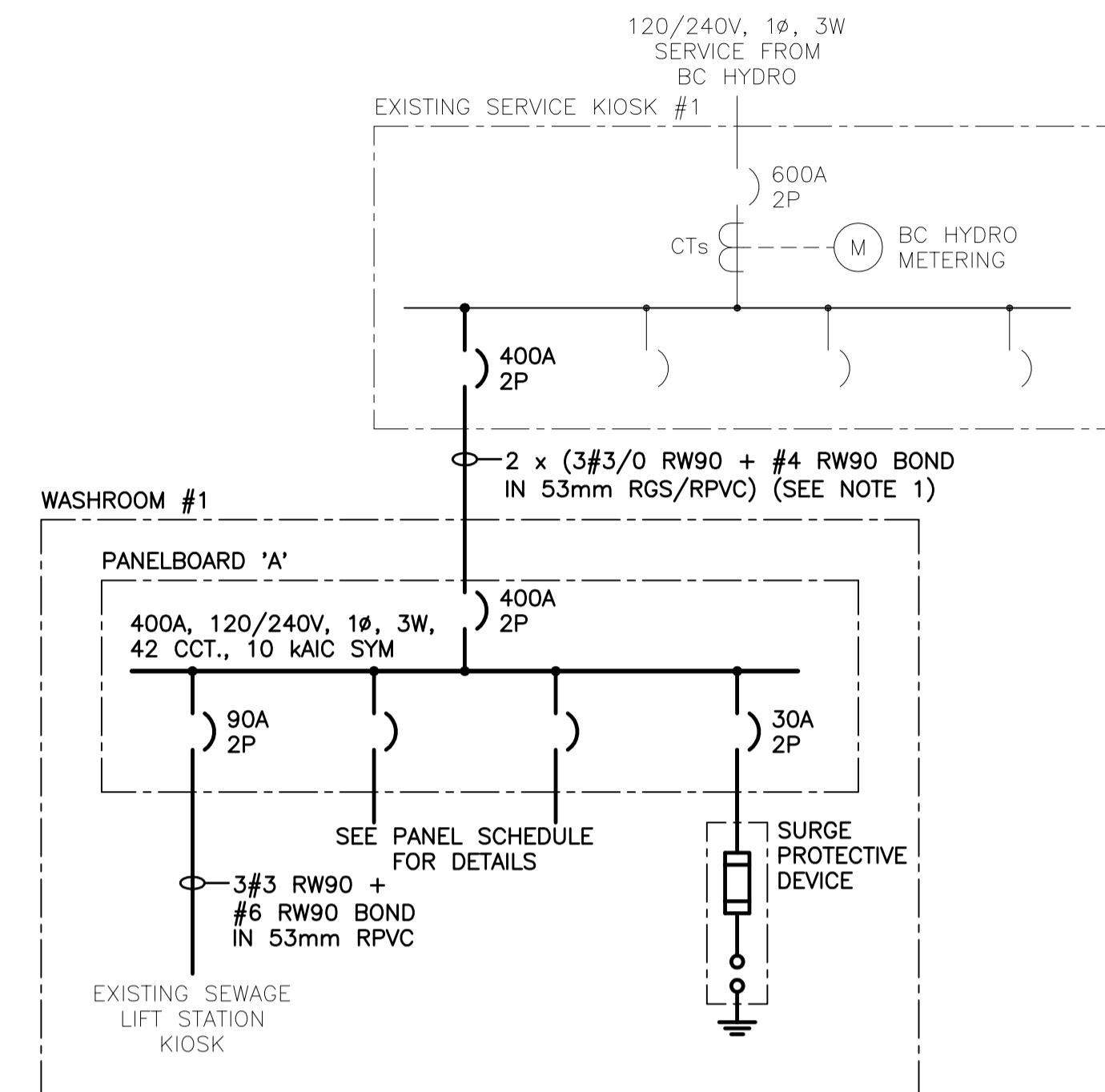
SECTION A-A
NTS

CHECK BEFORE YOU DIG

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTES:

- AT EXISTING SERVICE KIOSK #1, THERE MAY BE A SPARE 103mm CONDUIT FOR FUTURE LOADS. IF THE SPARE CONDUIT EXISTS, INSTALL 6 X 250 MCM RW90 + #2 RW90 BOND AND RUN IN 103mm CONDUIT TO PANELBOARD 'A' IN THE WASHROOM. IF THE SPARE CONDUIT DOES NOT EXIST, CORE DRILL THROUGH THE CONCRETE PAD FOR 2 X 53mm CONDUITS. SEAL AREA AROUND CONDUIT OPENINGS WITH WATERPROOF GROUT.



SINGLE LINE DIAGRAM
NTS

PANELBOARD 'A' -- GREEN POINT #1						
LOAD VA L1 L2	DESCRIPTION	BKR	CIRCUIT NUMBER	BKR	DESCRIPTION	LOAD VA L1 L2
440	INDOOR LIGHTS	15	1	2	SERVICE ROOM RECEPTACLES	3 Φ
195	OUTDOOR LIGHTS	15	3	4	OUTDOOR RECEPTACLES	3 Φ
3 Φ	MALE WASHROOM RECEPTACLES	15	5	6	FEMALE WASHROOM RECEPTACLES	3 Φ
1000	EXHAUST FAN EF-1 & MOTORIZED DAMPER MD-1	15	7	8	RECIRCULATION PUMP DWP-1	250
1500	ELECTRICAL CABINET UNIT HEATER ECUH-1	15	9	10	ELECTRICAL CABINET UNIT HEATER ECUH-2	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-3	15	11	12	ELECTRICAL CABINET UNIT HEATER ECUH-4	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-1	15	13	14	ELECTRICAL CABINET UNIT HEATER ECUH-4	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-3	15	15	16	ELECTRICAL CABINET UNIT HEATER ECUH-4	1500
1500	UNIT HEATER EUH-1	15	17	18	CRAWLSPACE SUPPLY FAN SF-1	130
1500	UNIT HEATER EUH-1	15	19	20	ELECTRIC DUCT HEATER EDH-1	1200
18000	DOMESTIC HOT WATER HEATER DHWH-1	15	21	22	FEMALE WASHROOM HAND DRYER	1400
18000	DOMESTIC HOT WATER HEATER DHWH-1	200	23	24	MALE WASHROOM HAND DRYER	1400
-	SURGE PROTECTIVE DEVICE	15	25	26	SEWAGE LIFT STATION	9470
-	SURGE PROTECTIVE DEVICE	30	27	28	SEWAGE LIFT STATION	9470
100	TEMPERATURE CONTROL PANEL	15	29	30	SANITARY SUMP PUMP STATION P-2	500
1500	ELECTRIC WALL HEATER EWH-1	15	31	32	SPACE	
1500	ELECTRIC WALL HEATER EWH-2	15	33	34	SPACE	
	ELECTRIC WALL HEATER EWH-1	15	35	36	SPACE	
	ELECTRIC WALL HEATER EWH-2	15	37	38	SPACE	
	SPACE	15	39	40	SPACE	
	SPACE	15	41	42	SPACE	

VOLTS AND PHASE: 120/240V, 1 ϕ , 3W AMPS: 400 BREAKER SYM. I.C. 10 kA
LOCATION: SERVICE ROOM MOUNTING: SURFACE
MAKE AND TYPE:

CONNECTED LOAD (VA)	39040	40515
ESTIMATED LOAD (VA)	2250	750
TOTAL LOAD (VA)	41290	41265

82555 VA TOTAL

5		
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Revision/	Description/Description	Date/Date
Revising/		

PARKS CANADA

Project title/Titre du projet

PACIFIC RIM HIGHWAY

PACIFIC RIM NATIONAL PARK WASHROOM BUILDINGS REPLACEMENT

Consultant Signature Only

Designed by/Concept par

T.W.

Drawn by/Dessiné par

B.F.

PWGSC Project Manager/Administrateur de Projets TP5GC

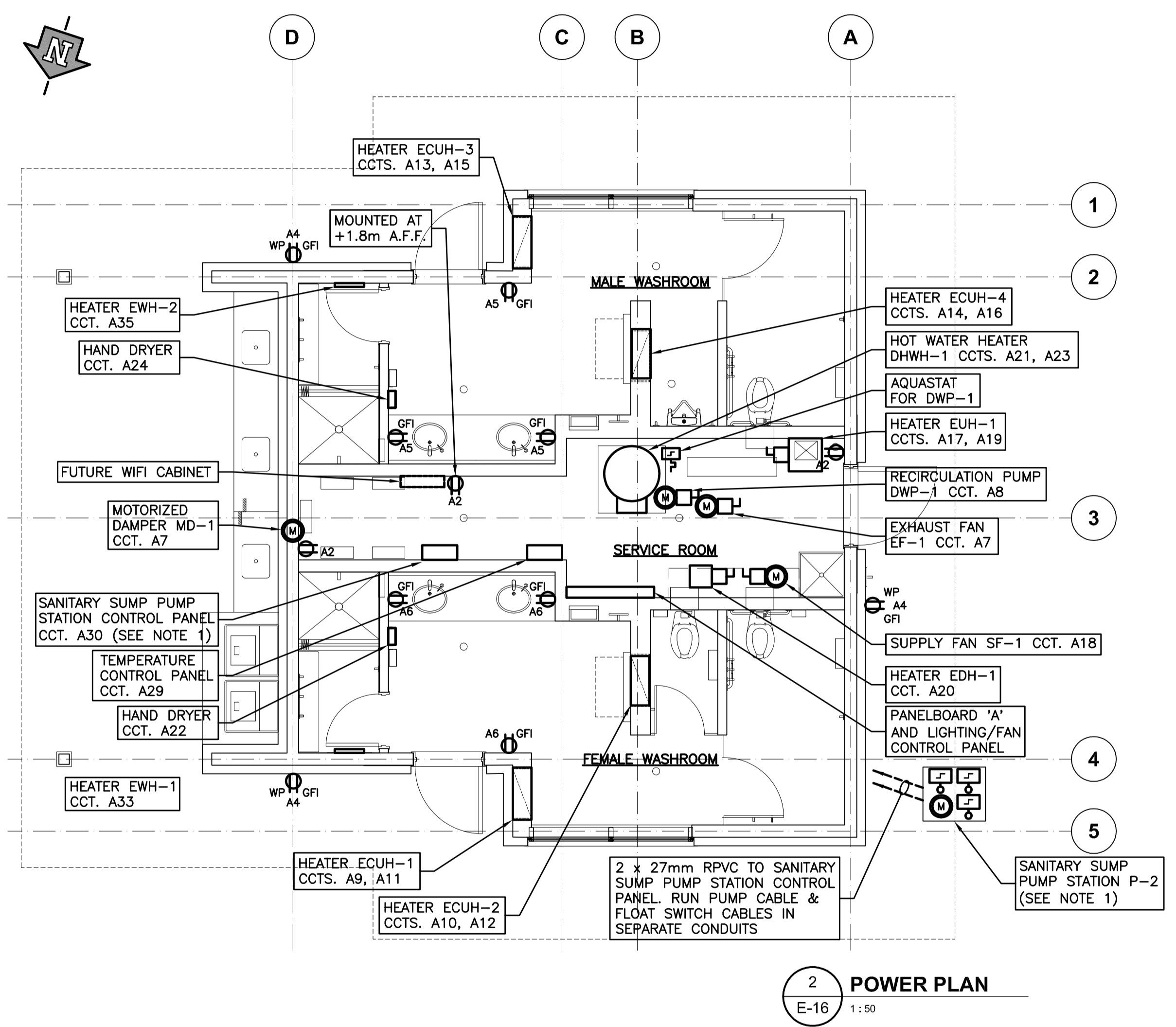
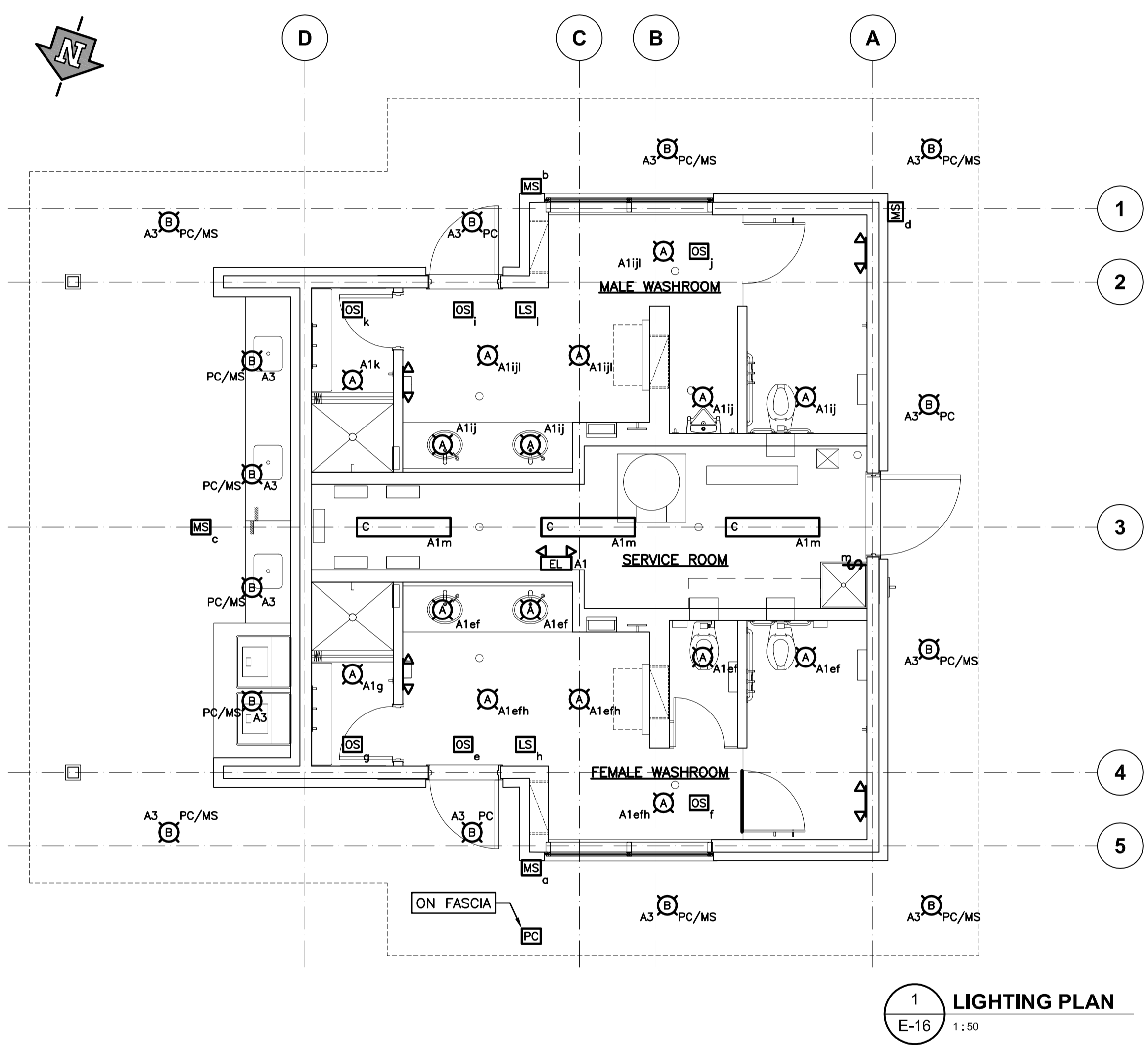
TOM DUNPHY

Regional Manager, Architectural and Engineering Services, Gestionnaire régionale, Services d'architectural et de génie, TPSGC

PREETIPAL PAUL

Drawing title/Titre du dessin

GREEN POINT #1 SITE PLAN, SINGLE LINE DIAGRAM & PANELBOARD SCHEDULE



NOTES:

1. THE DRAIN SUMP PUMP STATION SHALL BE SUPPLIED COMPLETE WITH PUMP, FLOAT SWITCHES AND WALL-MOUNTED CONTROL PANEL PER MECHANICAL DRAWINGS AND SPECIFICATIONS.

Revision/Revisión	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/02
3	ISSUED FOR 99% CD	2016/03/09
2	ISSUED FOR 90% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/02

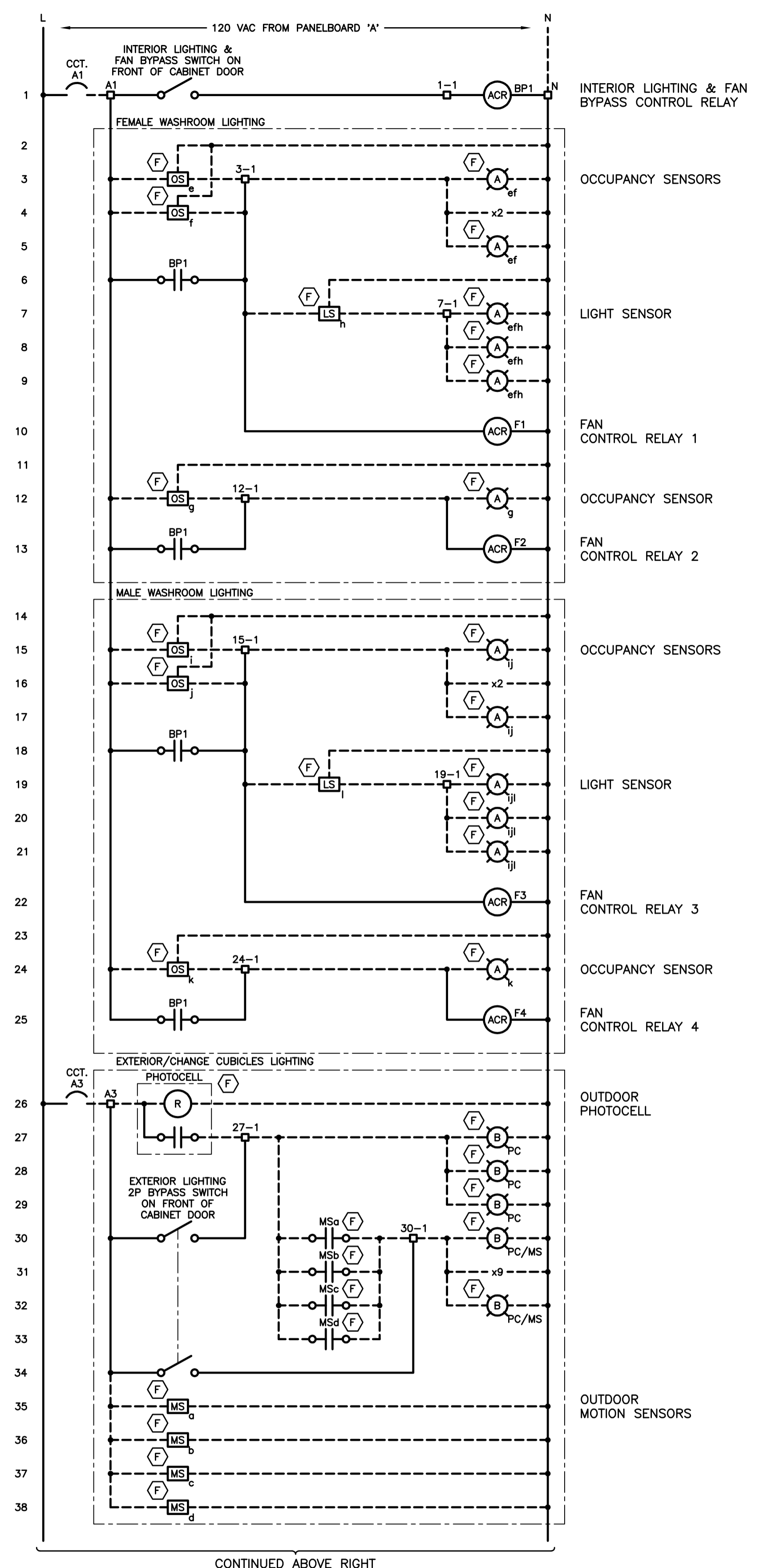
Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

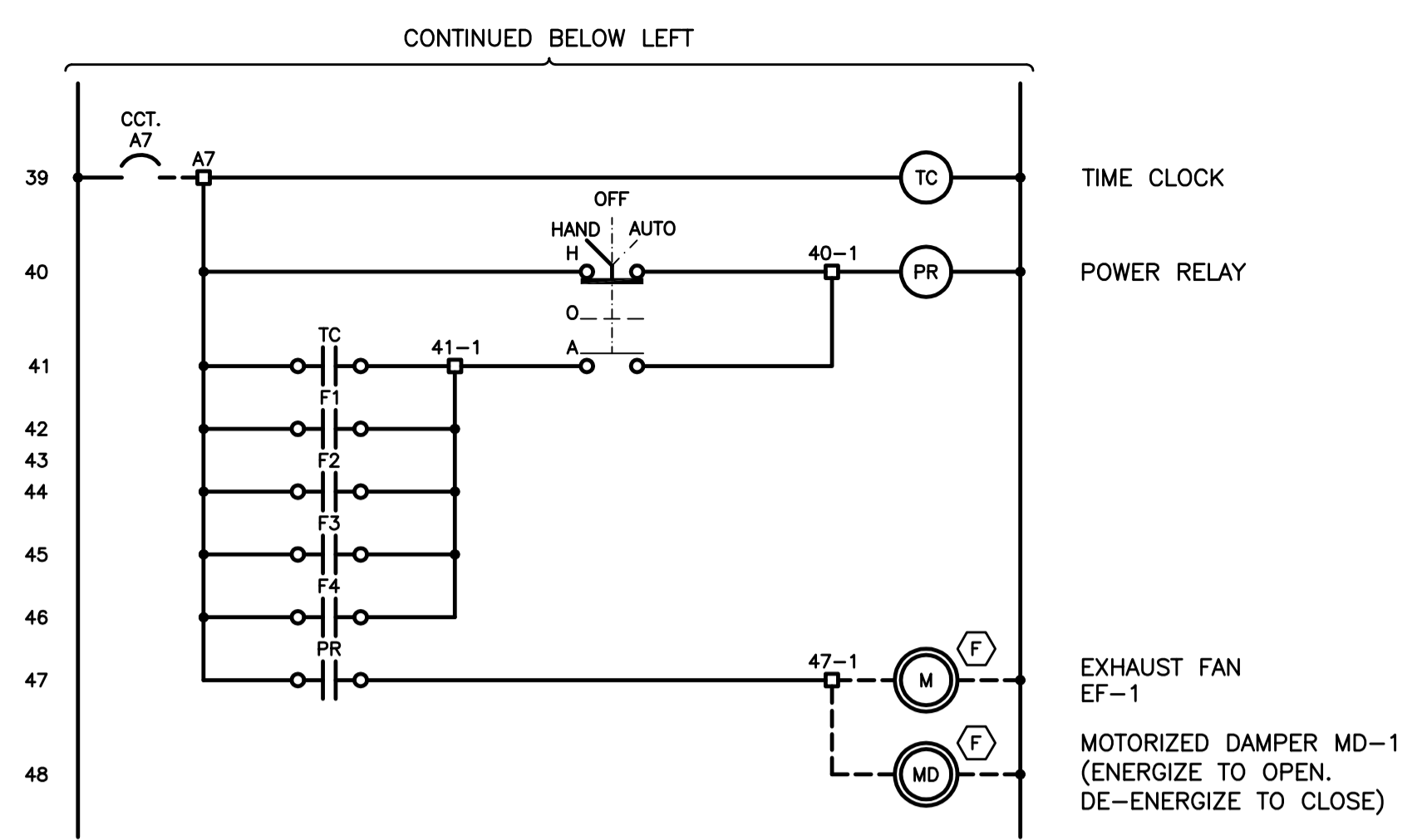
Consultant Signature Only
Designed by/Concept par
T.W.
Drawn by/Dessiné par
B.F.
PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
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Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin
**GREEN POINT #1
LIGHTING & POWER PLANS**

Project No./No. du projet R.078666.001	Sheet/Feuille E-16 OF 20	Revision no./ La Révision no. 4
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LEGEND:

- DEVICE TERMINAL
- CONTROL PANEL TERMINAL
- ⊙(ACR) AC CONTROL RELAY
- ⊙(A) LIGHT (SEE LIGHTING PLAN LEGEND)
- WIRING WITHIN CONTROL PANEL
- - - WIRING EXTERNAL TO CONTROL PANEL
- ⊙(F) EQUIPMENT LOCATED IN FIELD

Revision/Revisión	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2017/03/03
3	ISSUED FOR 99% CD	2016/03/09
2	ISSUED FOR 50% CD	2016/02/19
1	ISSUED FOR DESIGN DEVELOPMENT	2016/01/29
0	ISSUED FOR COMMENT	2015/12/03

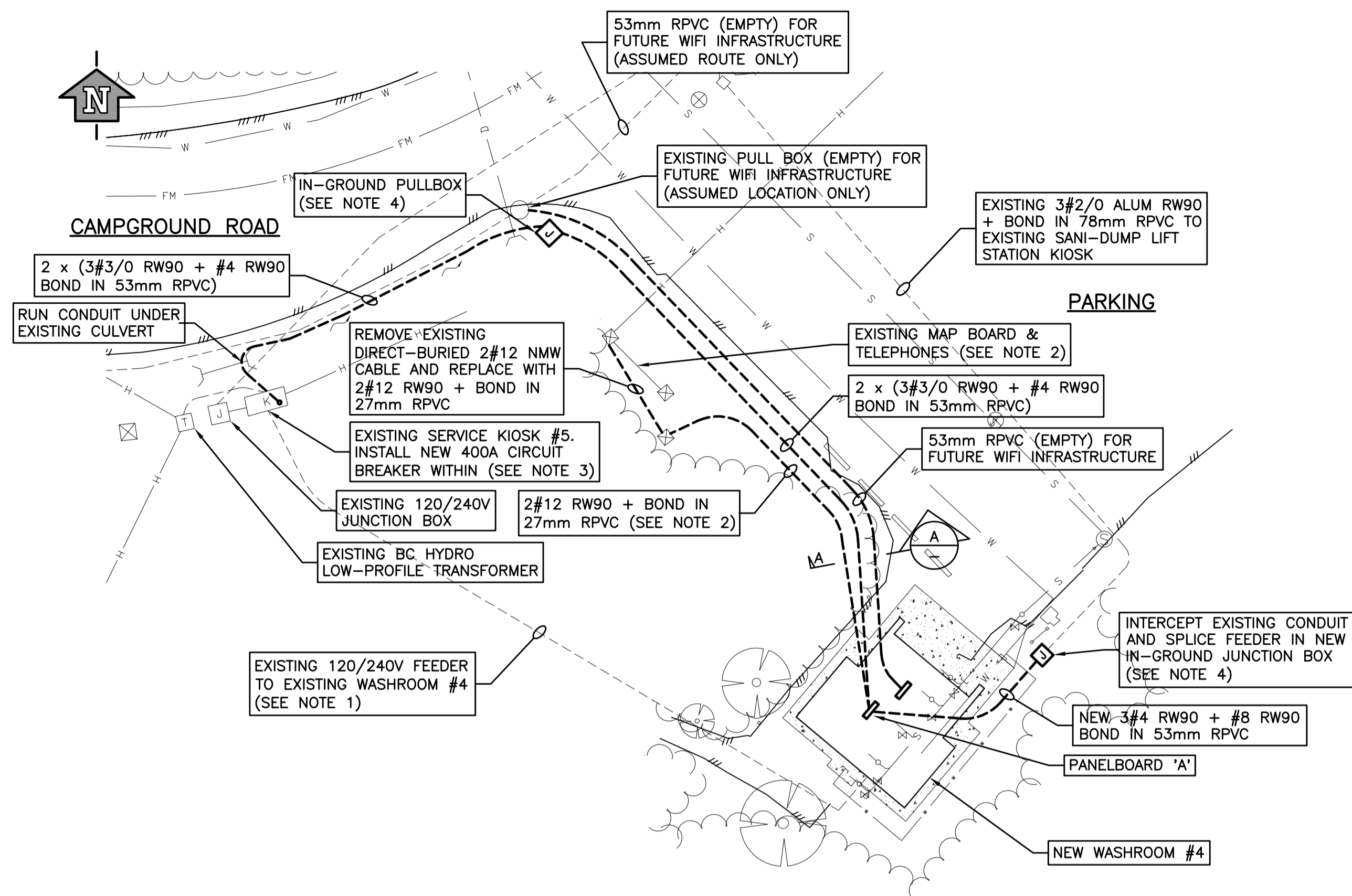
Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

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Designed by/Concept par
T.W.
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PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
Regional Manager, Architectural and Engineering Services,
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin
**GREEN POINT #1
LIGHTING/FAN CONTROL PANEL
SCHEMATIC DIAGRAM**

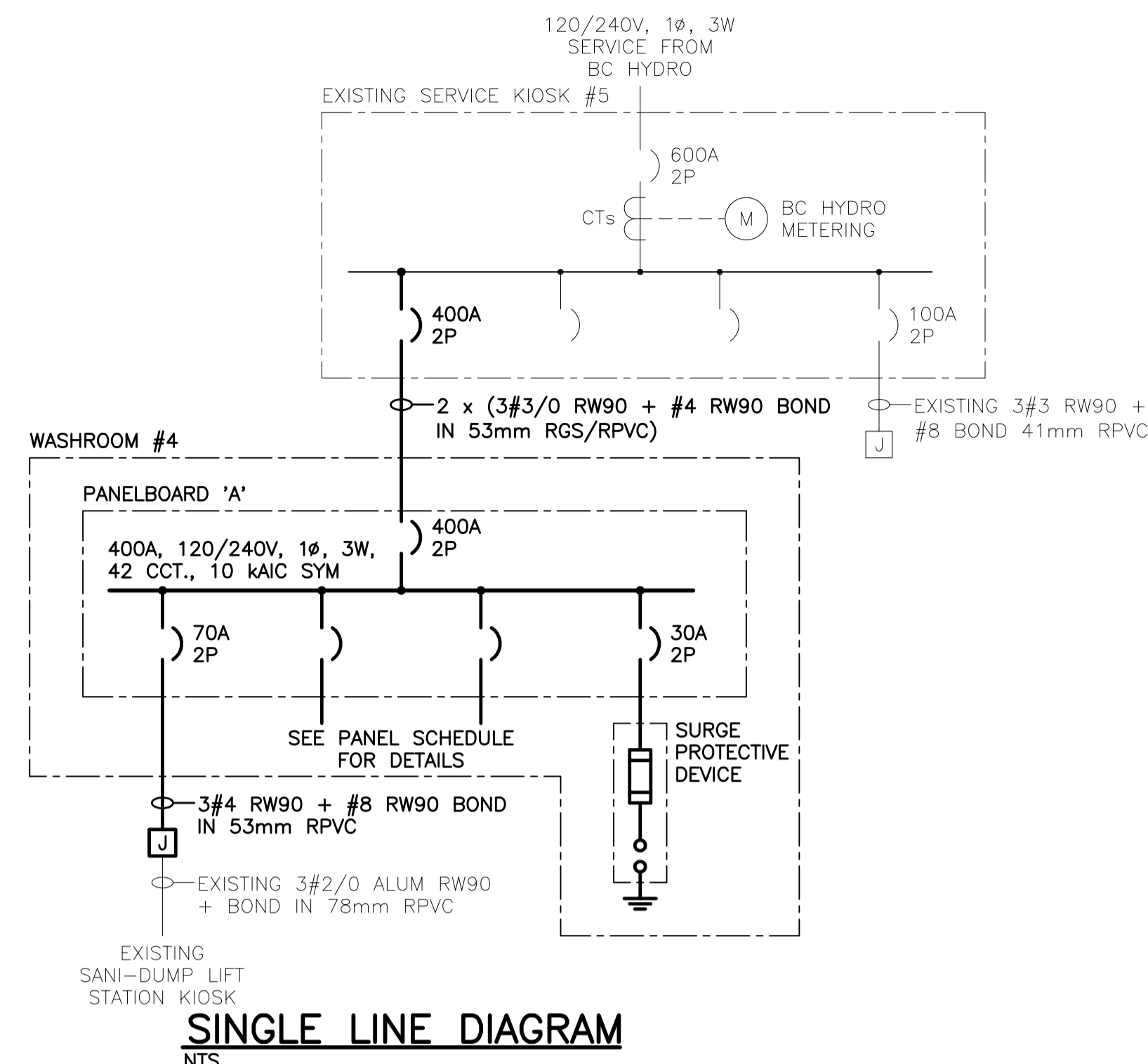
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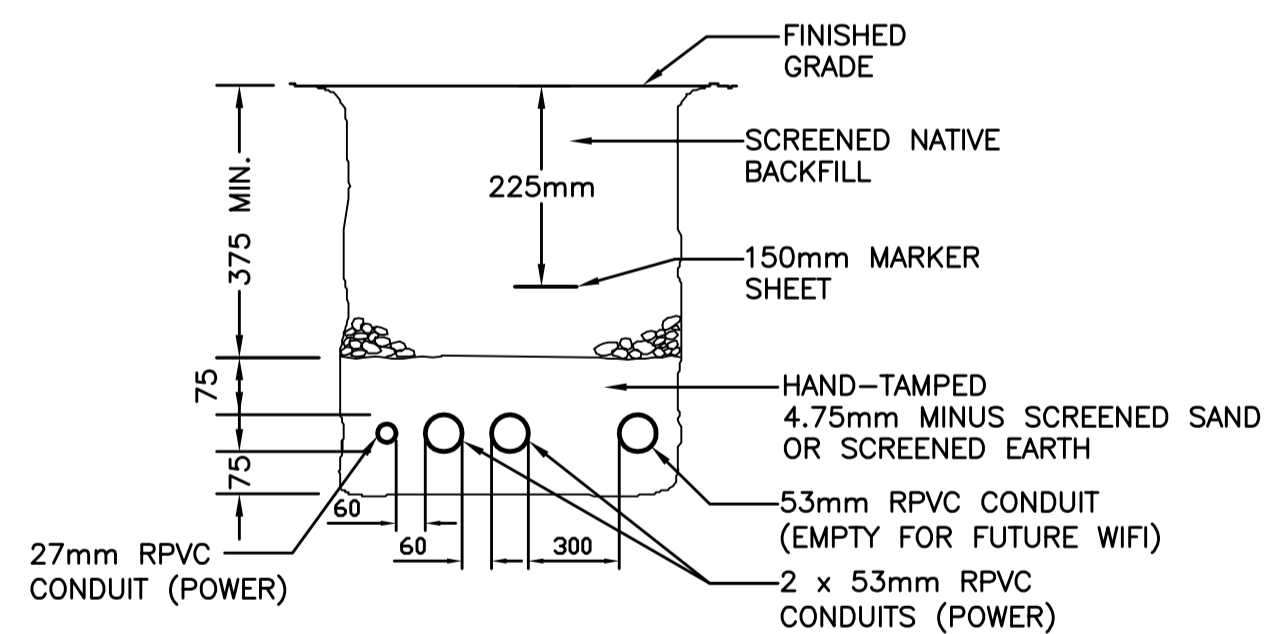
SITE PLAN
1:250

CHECK BEFORE YOU DIG

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



SINGLE LINE DIAGRAM
NTS



SECTION A-A
NTS

NOTES:

- DISCONNECT THE EXISTING 120/240V UNDERGROUND FEEDER TO WASHROOM #4 AT BOTH ENDS, MAKE SAFE, AND ABANDON BELOW GRADE.
- LOCATE AND INTERCEPT EXISTING CONDUIT TO EXISTING WOODEN POST. INSTALL NEW 2#12 RW90 + BOND IN 27mm RPVC AND REFEED FROM NEW PANELBOARD 'A'.
- AT EXISTING SERVICE KIOSK #5, CORE DRILL THROUGH THE CONCRETE PAD FOR THE 2 X 53mm FEEDER CONDUITS. SEAL AREA AROUND CONDUIT OPENINGS WITH WATERPROOF GROUT.
- THE IN-GROUND PULLBOX (FOR THE PANELBOARD 'A' FEEDER) SHALL BE PRE-CAST CONCRETE TYPE, 864mm LONG X 584mm WIDE, 785mm DEEP (2-SECTIONS DEEP), WITH GALVANIZED STEEL LID MARKED 'ELEC'. THE LID SHALL BE BONDED. MINIMUM ACCEPTABLE STANDARD: ARMTEC #1266 SERIES.

THE IN-GROUND JUNCTION BOX (FOR THE SANI-DUMP LIFT STATION KIOSK FEEDER) SHALL BE PRE-CAST CONCRETE TYPE, 562mm LONG X 394mm WIDE, 610mm DEEP (2-SECTIONS DEEP), WITH GALVANIZED STEEL LID MARKED 'ELEC'. THE LID SHALL BE BONDED. MINIMUM ACCEPTABLE STANDARD: ARMTEC #B937 SERIES.

PANELBOARD 'A' - GREEN POINT #4						
LOAD VA L1 L2	DESCRIPTION	BKR	CIRCUIT NUMBER	BKR	DESCRIPTION	LOAD VA L1 L2
440	INDOOR LIGHTS	15	1	2	SERVICE ROOM RECEPTACLES	3 ϕ
195	OUTDOOR LIGHTS	15	3	4	OUTDOOR RECEPTACLES	3 ϕ
3 ϕ	MALE WASHROOM RECEPTACLES	15	5	6	FEMALE WASHROOM RECEPTACLES	3 ϕ
1000	EXHAUST FAN EF-1 & MOTORIZED DAMPER MD-1	15	7	8	RECIRCULATION PUMP DWP-1	250
1500	ELECTRICAL CABINET UNIT HEATER ECUH-1	15	9	10	ELECTRICAL CABINET UNIT HEATER ECUH-2	1500
1500	ELECTRICAL CABINET UNIT HEATER ECUH-3	15	11	12	ELECTRICAL CABINET UNIT HEATER ECUH-4	1500
1500	UNIT HEATER EUH-1	15	13	14	CRAWLSPACE SUPPLY FAN	130
1500	UNIT HEATER EUH-2	15	15	16	ELECTRIC DUCT HEATER EDH-1	1200
18000	DOMESTIC HOT WATER HEATER DHWH-1	200	17	18	FEMALE WASHROOM HAND DRYER	1400
18000	DOMESTIC HOT WATER HEATER DHWH-1	200	19	20	MALE WASHROOM HAND DRYER	1400
4925	SURGE PROTECTIVE DEVICE	30	21	22	SANI-DUMP SEWAGE LIFT STATION	4925
100	TEMPERATURE CONTROL PANEL	15	23	24	SPACE	
1500	ELECTRIC WALL HEATER EWH-1	15	25	26	SPACE	
1500	ELECTRIC WALL HEATER EWH-2	15	27	28	SPACE	
	SPARE	15	29	30	SPACE	
	SPARE	15	31	32	SPACE	
	SPARE	15	33	34	SPACE	
	SPARE	15	35	36	SPACE	
	SPARE	15	37	38	SPACE	
	SPARE	15	39	40	SPACE	
	SPARE	15	41	42	SPACE	

VOLTS AND PHASE: 120/240V, 1Ø, 3W AMPS: 400 BREAKER SYM. I.C. 10 kA
LOCATION: SERVICE ROOM MOUNTING: SURFACE
MAKE AND TYPE:

CONNECTED LOAD (VA)	33995	35970
ESTIMATED LOAD (VA)	2250	750
TOTAL LOAD (VA)	36245	36720

72965 VA TOTAL

5		
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Revision/	Description/Description	Date/Date
Revised/		

PARKS CANADA

Project title/Titre du projet

PACIFIC RIM HIGHWAY

PACIFIC RIM NATIONAL PARK WASHROOM BUILDINGS REPLACEMENT

Consultant Signature Only

Designed by/Concept par

T.W.

Drawn by/Dessiné par

B.F.

PWGSC Project Manager/Administrateur de Projets TP5GC

TOM DUNPHY

Regional Manager, Architectural and Engineering Services, Gestionnaire régionale, Services d'architectural et de génie, TP5GC

PREETIPAL PAUL

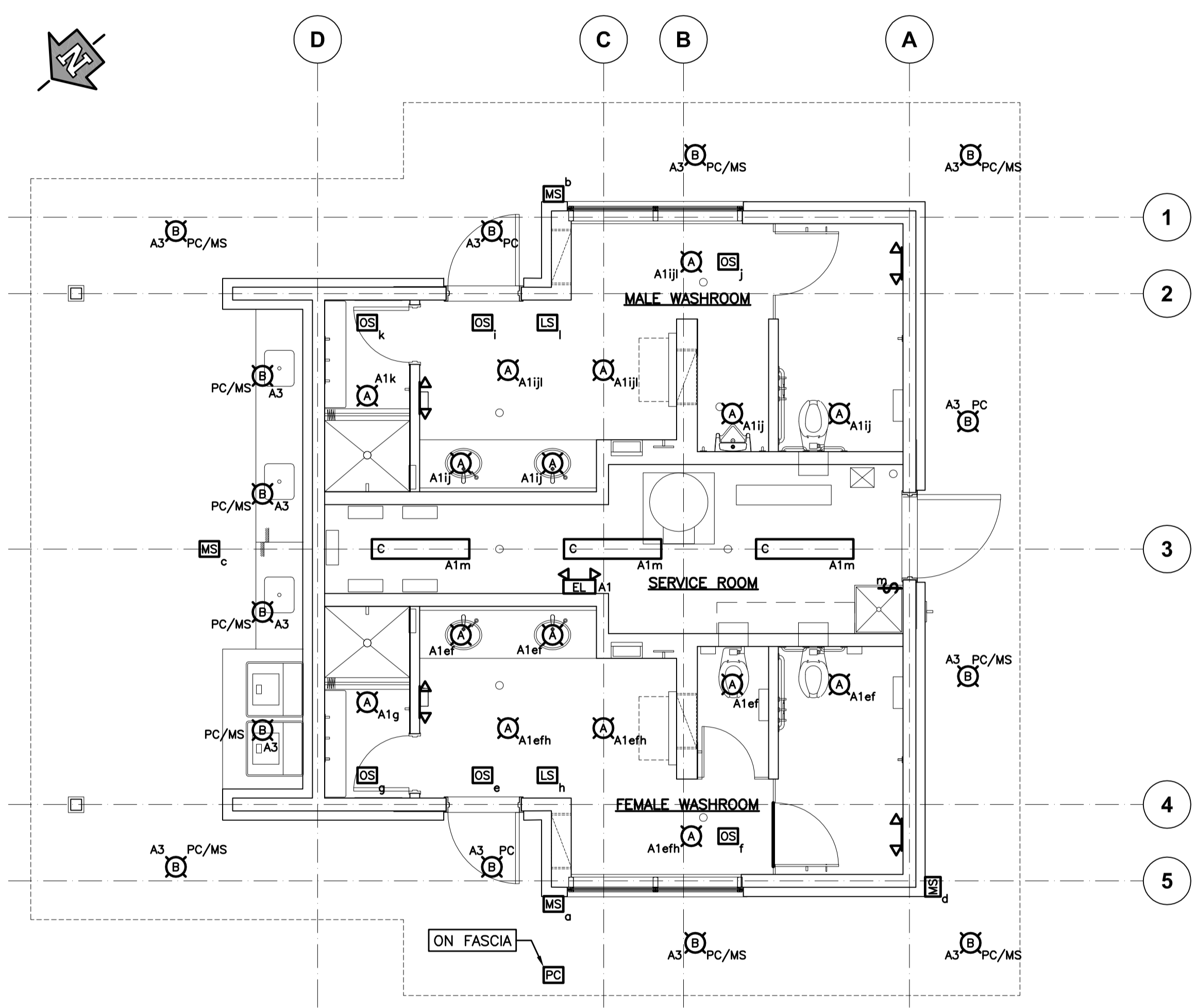
Drawing title/Titre du dessin

GREEN POINT #4 SITE PLAN, SINGLE LINE DIAGRAM & PANELBOARD SCHEDULE

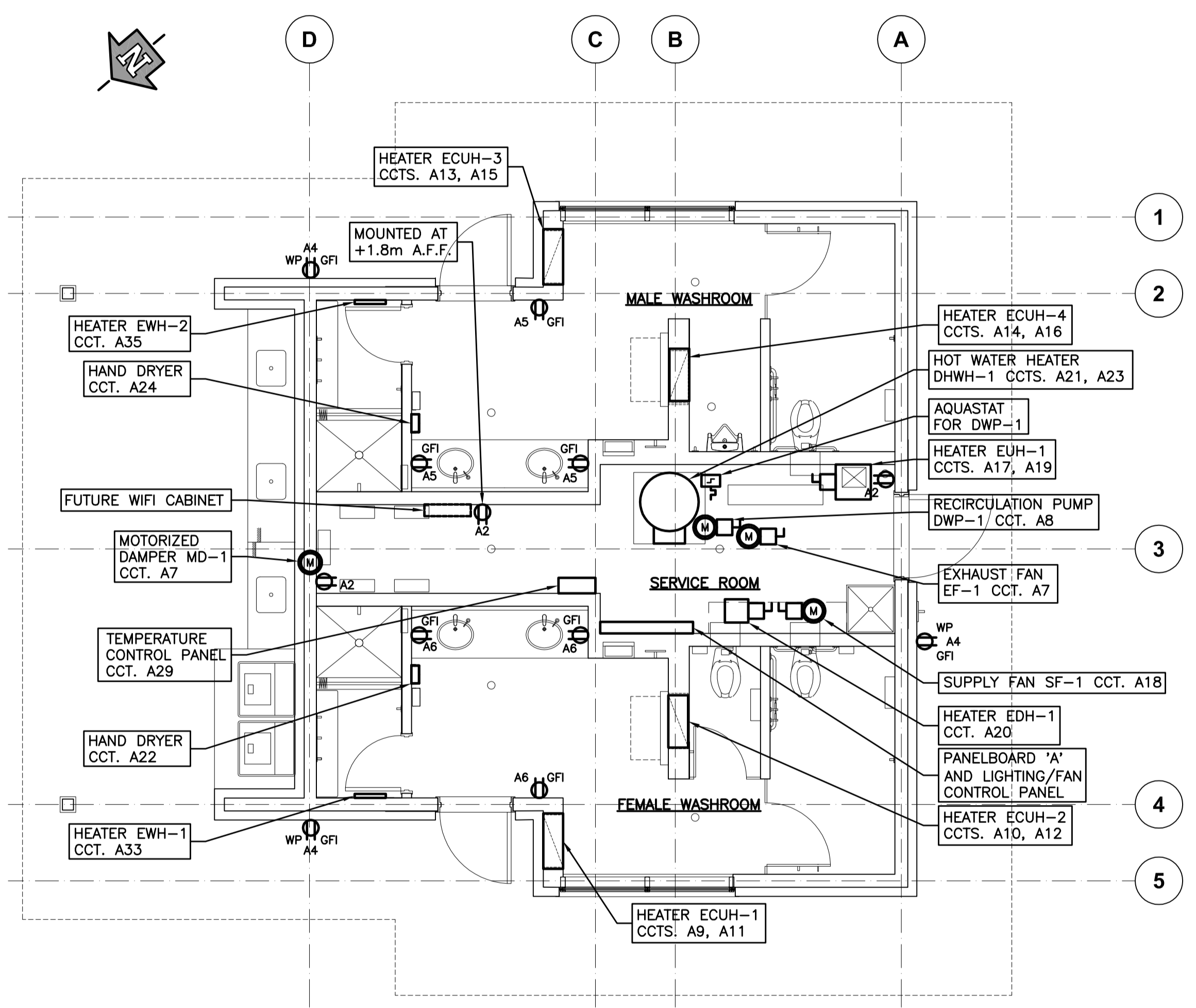
Project No./No. du projet
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E-18
OF 20

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La Révision no.
4



1 LIGHTING PLAN
E-19 1:50



2 POWER PLAN
E-19 1:50

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5		
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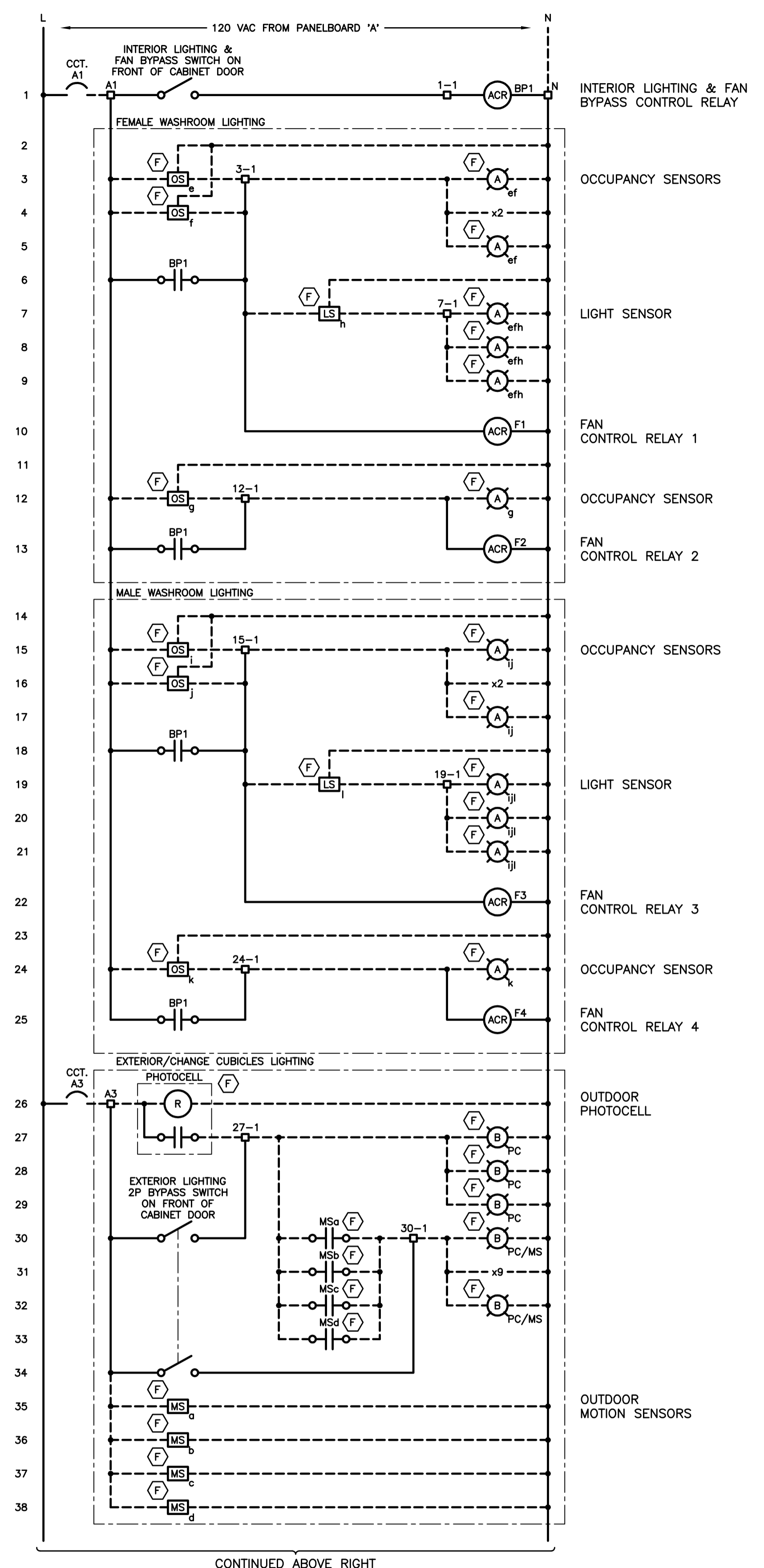
Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDINGS
REPLACEMENT**

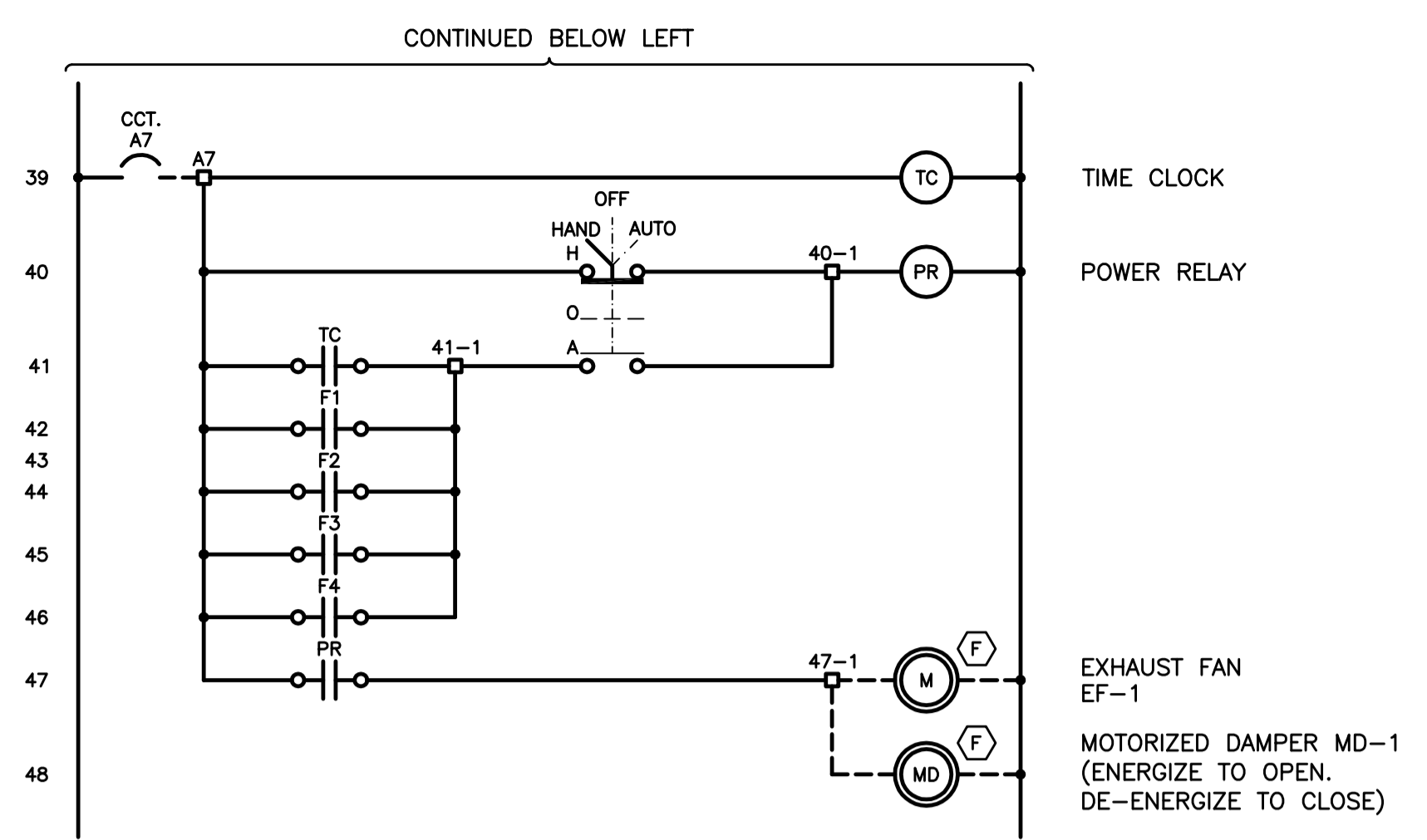
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TOM DUNPHY
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Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PREETIPAL PAUL
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**GREEN POINT #4
LIGHTING & POWER PLANS**

Project No./No. du projet R.078666.001	Sheet/Fauille E-19 OF 20	Revision no./ La Révision no. 4
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- DEVICE TERMINAL
- CONTROL PANEL TERMINAL
- ⊙ (ACR) AC CONTROL RELAY
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**GREEN POINT #4
LIGHTING/FAN CONTROL PANEL
SCHEMATIC DIAGRAM**

Project No./No. du projet R.078666.001	Sheet/Feuille E-20 OF 20	Revision no./ La Révision no. 4
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