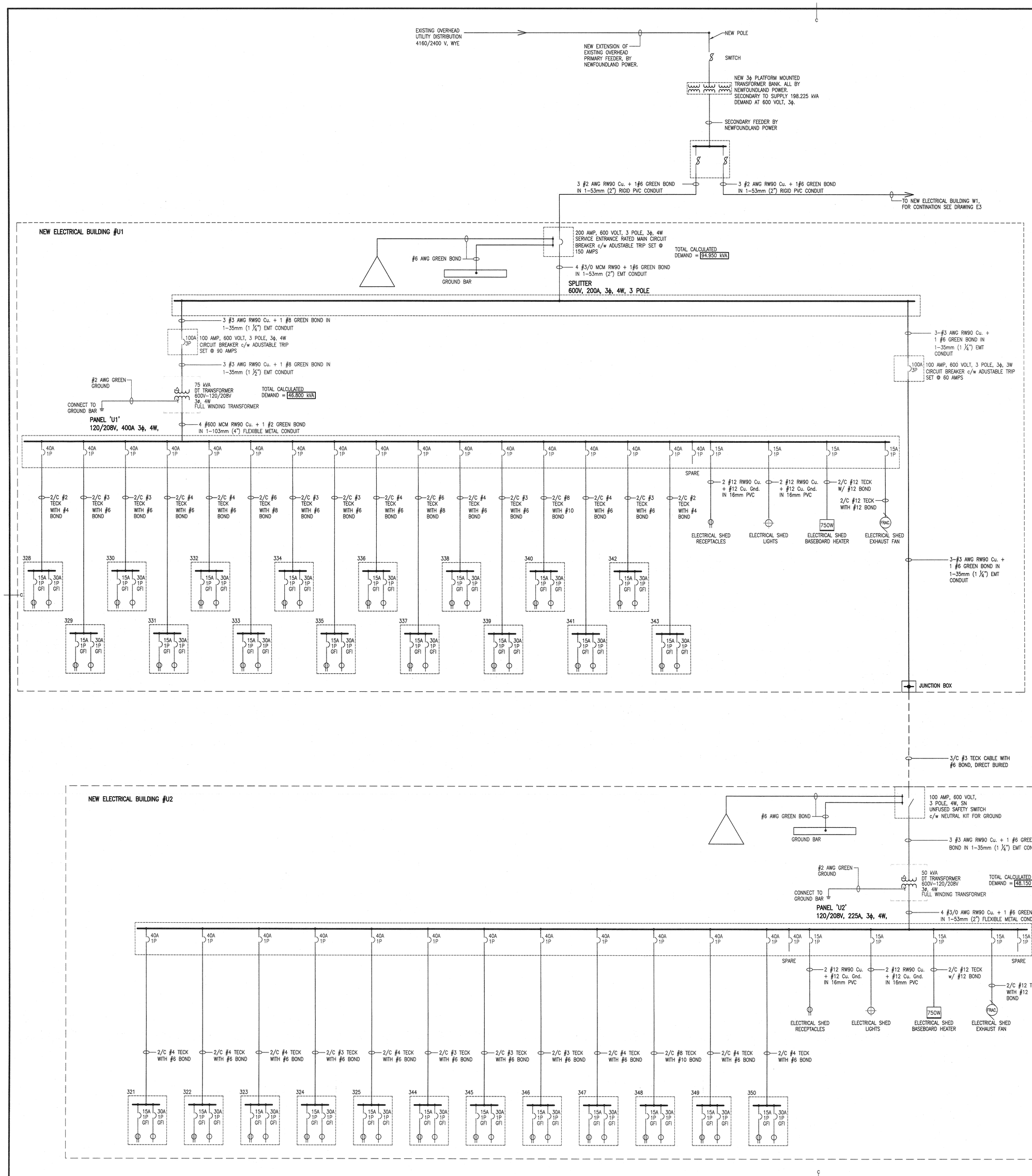


| NOTES | DESIGNATION | KW A | KW B | KW C | WIRE SIZE | CIR NO. | BKR | A | B | C | BKR | CIR NO. | WIRE SIZE | KW A | KW B | KW C | DESIGNATION | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CAMPSITE 328 | 3.840 | | | 10/2/10 | 1 | 40A | | | | 40A | 2 | 10/4/10 | 3.840 | | | CAMPSITE 336 | 1 |
| 1 | CAMPSITE 329 | | 3.840 | | 10/3/10 | 3 | 40A | | | | 40A | 4 | 10/6/10 | | 3.840 | | CAMPSITE 337 | 1 |
| 1 | CAMPSITE 330 | | | 3.840 | 10/3/10 | 5 | 40A | | | | 40A | 6 | 10/4/10 | | | 3.840 | CAMPSITE 338 | 1 |
| 1 | CAMPSITE 331 | 3.840 | | | 10/4/10 | 7 | 40A | | | | 40A | 8 | 10/3/10 | 3.840 | | | CAMPSITE 339 | 1 |
| 1 | CAMPSITE 332 | | 3.840 | | 10/4/10 | 9 | 40A | | | | 40A | 10 | 10/8/10 | | 3.840 | | CAMPSITE 340 | 1 |
| 1 | CAMPSITE 333 | | | 3.840 | 10/6/10 | 11 | 40A | | | | 40A | 12 | 10/4/10 | | | 3.840 | CAMPSITE 341 | 1 |
| 1 | CAMPSITE 334 | 3.840 | | | 10/3/10 | 13 | 40A | | | | 40A | 14 | 10/3/10 | 3.840 | | | CAMPSITE 342 | 1 |
| 1 | CAMPSITE 335 | | 3.840 | | 10/3/10 | 15 | 40A | | | | 40A | 16 | 10/2/10 | | 3.840 | | CAMPSITE 343 | 1 |
| | SPARE | | | | | 17 | 40A | | | | 15A | 18 | 12 | | | 0.750 | ELECT. BLDG. – BASEBOARD HEATER | |
| | SPARE | | | | | 19 | 15A | | | | 15A | 20 | 12 | 0.170 | | | ELECTRICAL BUILDING – LIGHTS | |
| | SPARE | | | | | 21 | 15A | | | | 15A | 22 | 12 | | 0.600 | | ELECTRICAL BUILDING – RECEPTACLES | |
| | SPARE | | | | | 23 | 15A | | | | 15A | 24 | 12 | | | 0.100 | ELECTRICAL BUILDING – EXHAUST FAN | |
| | SPARE | | | | | 25 | 15A | | | | | 26 | | | | | | |
| | | | | | | 27 | | | | | | 28 | | | | | | |
| | | | | | | 29 | | | | | | 30 | | | | | | |
| | | | | | | 31 | | | | | | 32 | | | | | | |
| | | | | | | 33 | | | | | | 34 | | | | | | |
| | | | | | | 35 | | | | | | 36 | | | | | | |
| | | | | | | 37 | | | | | | 38 | | | | | | |
| | | | | | | 39 | | | | | | 40 | | | | | | |
| | | | | | | 41 | | | | | | 42 | | | | | | |

VOLTS 120/208 PANEL U1 INTERRUPTING 10 KA
PHASE 3 LOCATION ELECTRICAL BLDG. U1 MAINS 400 AMPS
WIRE 4 FED FROM – MOUNTING SURFACE

ø "A" TOTAL 23.210 WATTS
ø "B" TOTAL 23.640 WATTS
ø "C" TOTAL 16.210 WATTS
TOTAL LOAD 63.060 KW 175.167 AMPS @ 208V, 3ø

NOTES: 1. CIRCUIT CONDUCTORS TO INCREASE IN SIZE TO ALLOW FOR VOLTAGE DROP.

FEEDER 4 #600 MCM RW90 Cu. + 1 #2 GREEN BOND IN 1-103mm (4") FLEXIBLE METAL CONDUIT

| NOTES | DESIGNATION | KW A | KW B | KW C | WIRE SIZE | CIR NO. | BKR | A | B | C | BKR | CIR NO. | WIRE SIZE | KW A | KW B | KW C | DESIGNATION | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CAMPSITE 321 | 3.840 | | | 10/4/10 | 1 | 40A | | | | 40A | 2 | 10/3/10 | 3.840 | | | CAMPSITE 344 | 1 |
| 1 | CAMPSITE 322 | | 3.840 | | 10/4/10 | 3 | 40A | | | | 40A | 4 | 10/3/10 | | 3.840 | | CAMPSITE 345 | 1 |
| 1 | CAMPSITE 323 | | | 3.840 | 10/4/10 | 5 | 40A | | | | 40A | 6 | 10/3/10 | | | 3.840 | CAMPSITE 346 | 1 |
| 1 | CAMPSITE 324 | 3.840 | | | 10/3/10 | 7 | 40A | | | | 40A | 8 | 10/4/10 | 3.840 | | | CAMPSITE 347 | 1 |
| 1 | CAMPSITE 325 | | 3.840 | | 10/4/10 | 9 | 40A | | | | 40A | 10 | 10/8/10 | | 3.840 | | CAMPSITE 348 | 1 |
| | SPARE | | | | | 11 | 40A | | | | 40A | 12 | 10/4/10 | | | 3.840 | CAMPSITE 349 | 1 |
| | ELECT. BLDG–BASEBOARD HEATER | 0.750 | | | 12 | 13 | 15A | | | | 40A | 14 | 10/4/10 | 3.840 | | | CAMPSITE 350 | 1 |
| | ELECTRICAL BUILDING – LIGHTS | | 0.170 | | 12 | 15 | 15A | | | | 15A | 16 | | | | | SPARE | |
| | ELECTRICAL BLDG. #2 – RECEPTACLES | | | 0.600 | 12 | 17 | 15A | | | | 15A | 18 | | | | | SPARE | |
| | ELECTRICAL BUILDING – EXHAUST FAN | 0.100 | | | 12 | 19 | 15A | | | | 15A | 20 | | | | | SPARE | |
| | | | | | | 21 | | | | | 15A | 22 | | | | | SPARE | |
| | | | | | | 23 | | | | | | 24 | | | | | | |
| | | | | | | 25 | | | | | | 26 | | | | | | |
| | | | | | | 27 | | | | | | 28 | | | | | | |
| | | | | | | 29 | | | | | | 30 | | | | | | |
| | | | | | | 31 | | | | | | 32 | | | | | | |
| | | | | | | 33 | | | | | | 34 | | | | | | |
| | | | | | | 35 | | | | | | 36 | | | | | | |
| | | | | | | 37 | | | | | | 38 | | | | | | |
| | | | | | | 39 | | | | | | 40 | | | | | | |
| | | | | | | 41 | | | | | | 42 | | | | | | |

VOLTS 120/208 PANEL U2 INTERRUPTING 10 KA
PHASE 3 LOCATION ELECTRICAL BLDG. U2 MAINS 225 AMPS
WIRE 4 FED FROM – MOUNTING SURFACE

ø "A" TOTAL 20.050 WATTS
ø "B" TOTAL 15.530 WATTS
ø "C" TOTAL 12.120 WATTS
TOTAL LOAD 47.700 KW 132.50 AMPS @ 208V, 3ø

NOTES: 1. CIRCUIT CONDUCTORS TO INCREASE IN SIZE TO ALLOW FOR VOLTAGE DROP.

FEEDER 4 #3/0 AWG RW90 Cu. + 1 #6 GREEN BOND IN 1-53mm (2") FLEXIBLE METAL CONDUIT

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

PROFESSIONAL ENGINEER ANDREW MOIR NEWFOUNDLAND & LABRADOR

| revisions | | date |
|---|---|---|
| 0 | ISSUED FOR TENDER | NOV. 2014 |

project / projet
NEWMAN SOUND CAMPGROUND ELECTRICAL UPGRADE TERRA NOVA NATIONAL PARK OF CANADA

drawing / dessin
LOOP "U" SINGLE LINE DIAGRAM AND PANEL SCHEDULES

designed G. BOWSER / conçu
date NOVEMBER 2014
drawn K. WOLFE / dessiné
date NOVEMBER 2014
approved / approuvé
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC

project number / no. du projet
R.066138.001

drawing no. / no. du dessin
E4

PWGSC AO (2004)

E-DRM/GDD-E: 465231 Version 1