

Canada Parks

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# CAMPGROUND KIOSK TROUT BROOK CAMPGROUND

INVERNESS COUNTY, NOVA SCOTIA CAPE BRETON HIGHLANDS NATIONAL PARK

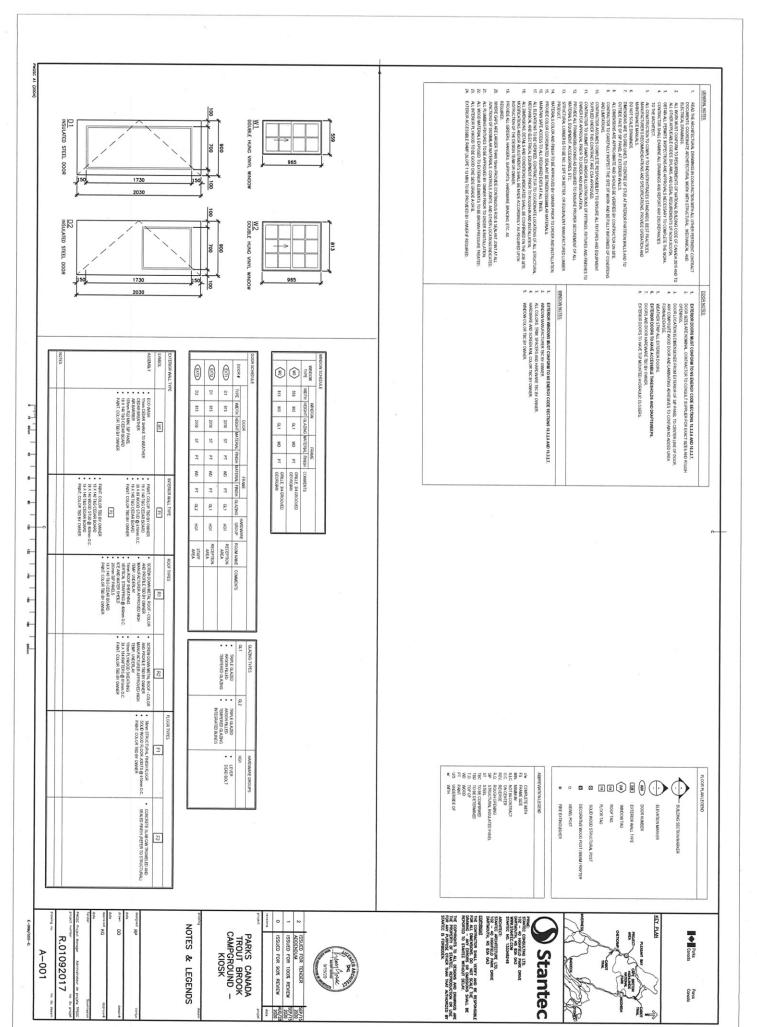
PROJECT NO. 01092017

ISSUED FOR ADDENDUM

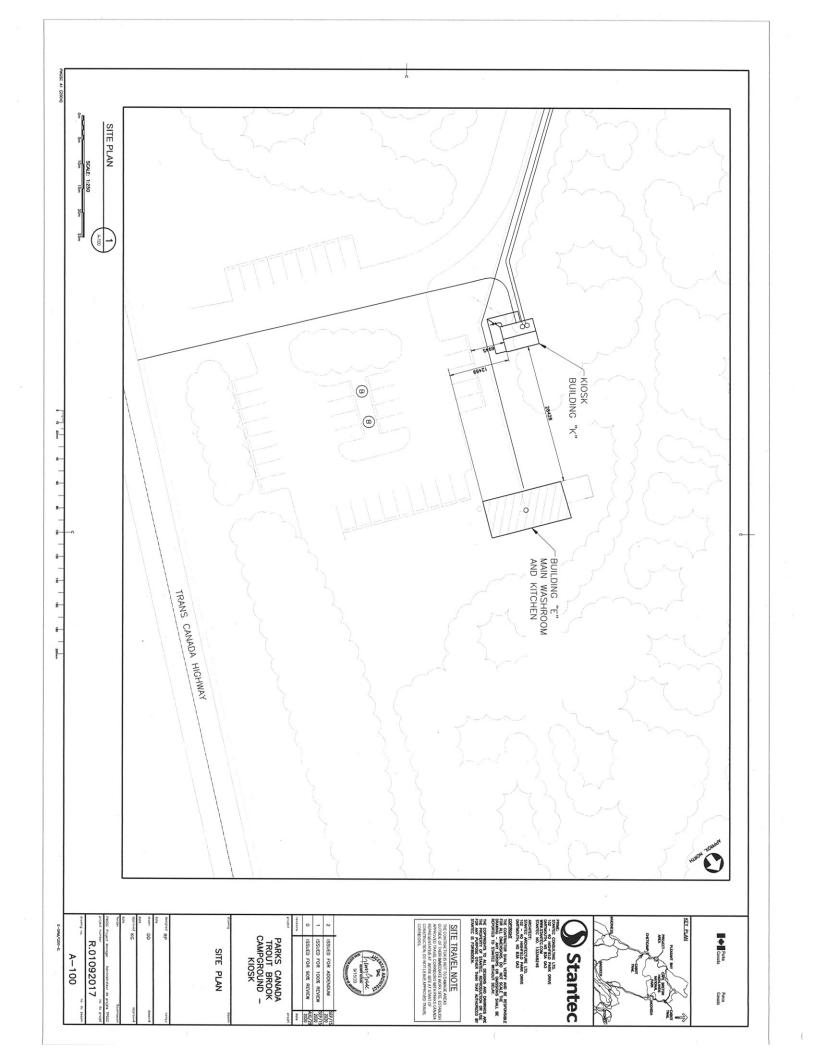
DATE: SEPTEMBER 15, 2020

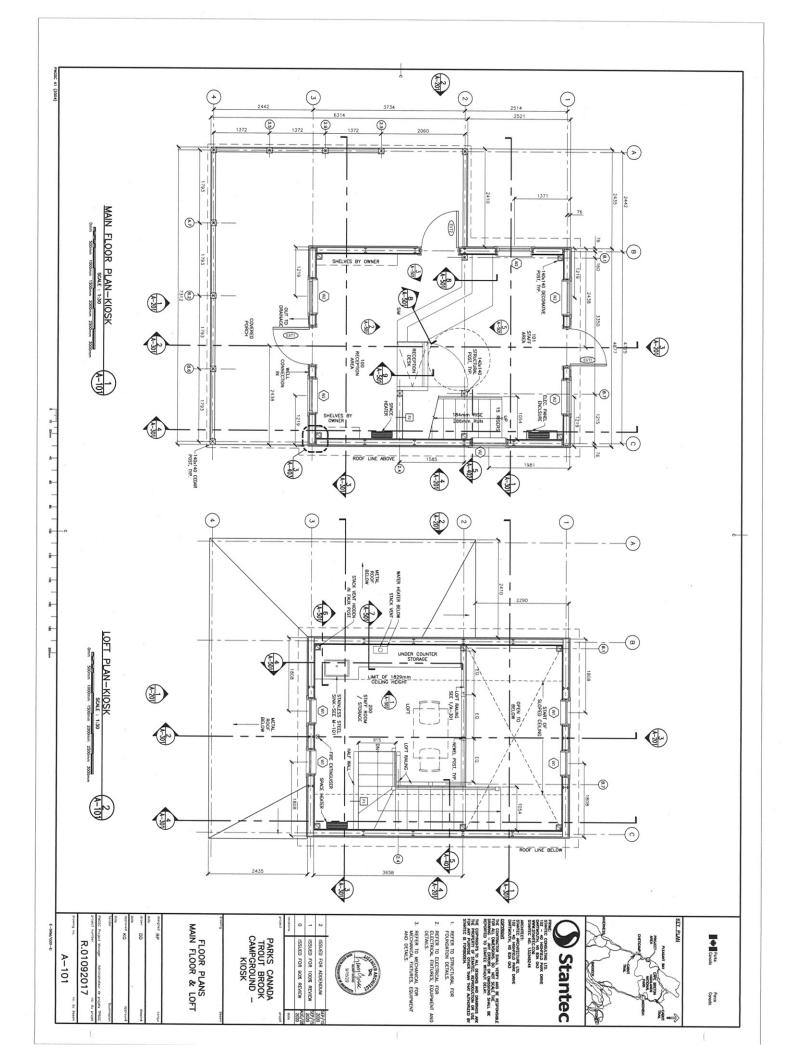


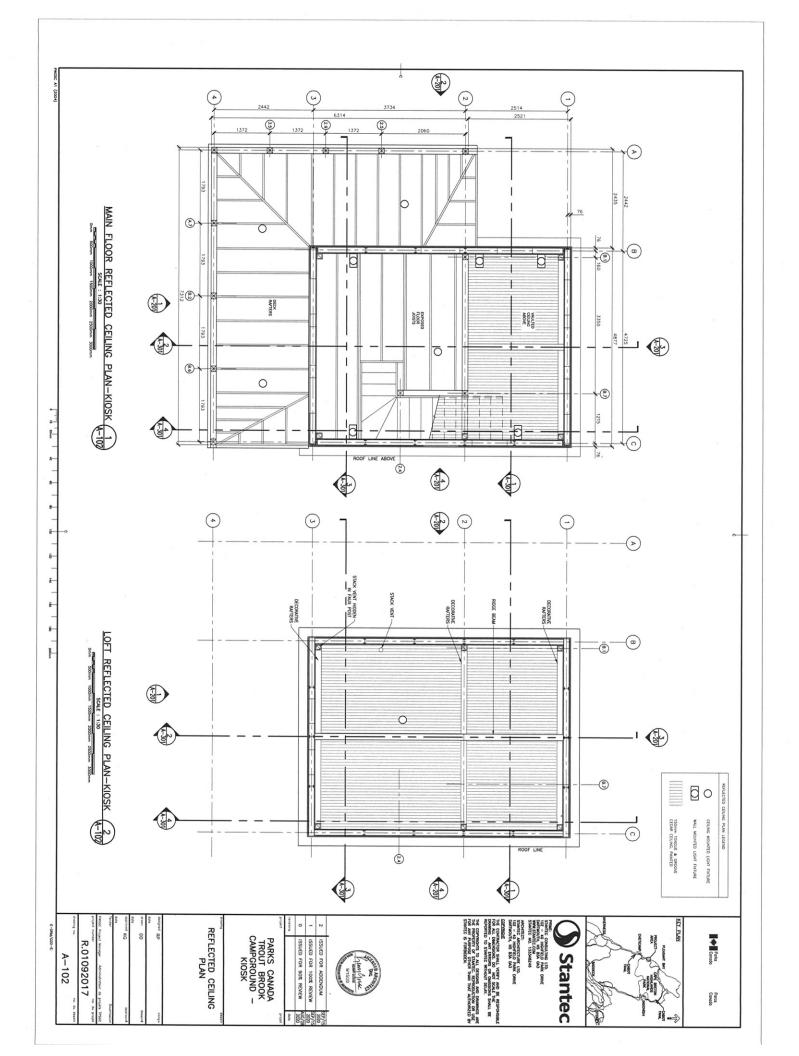
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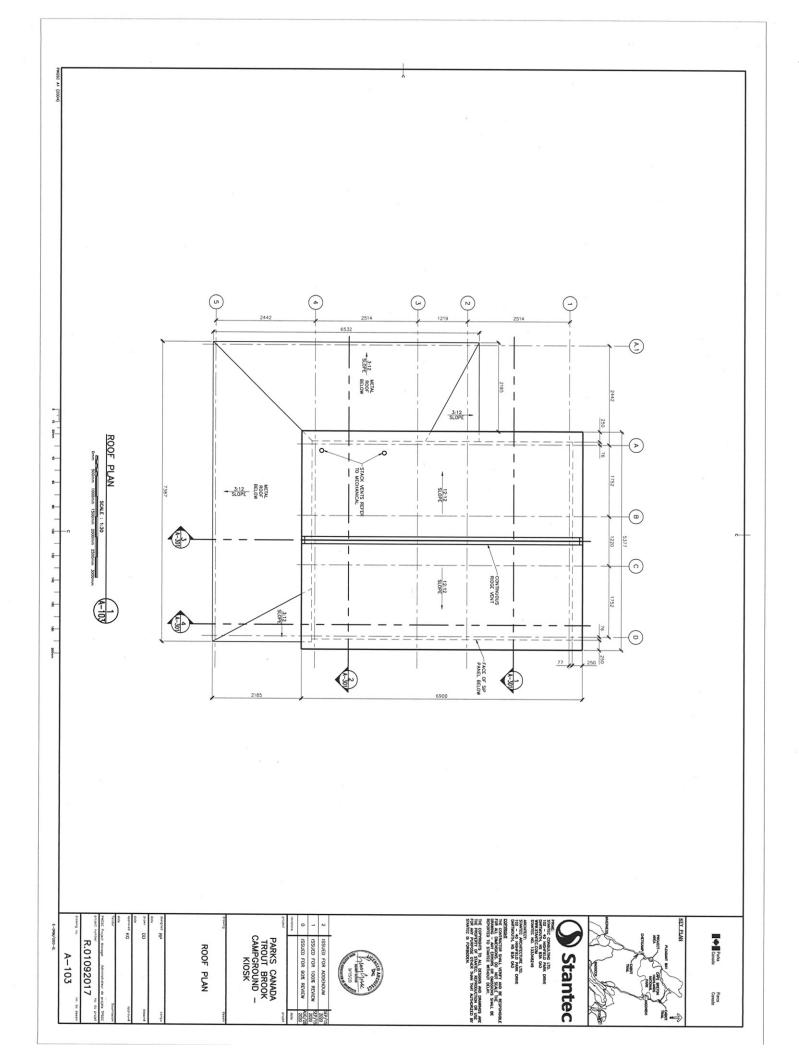


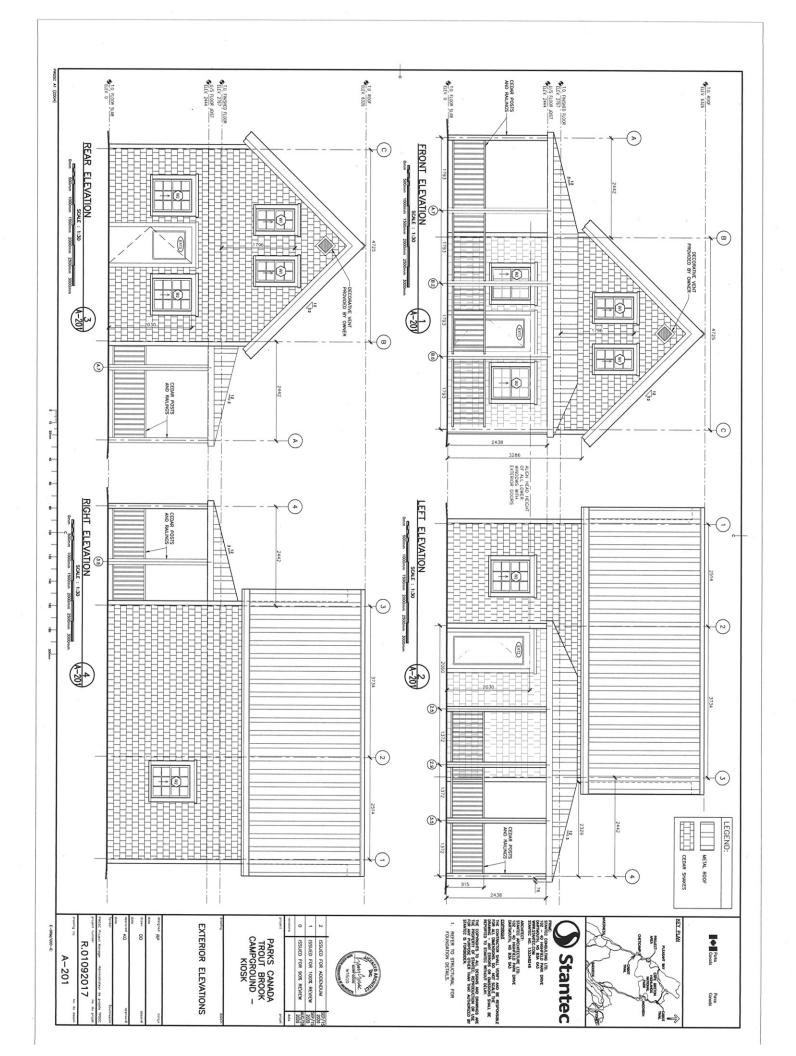
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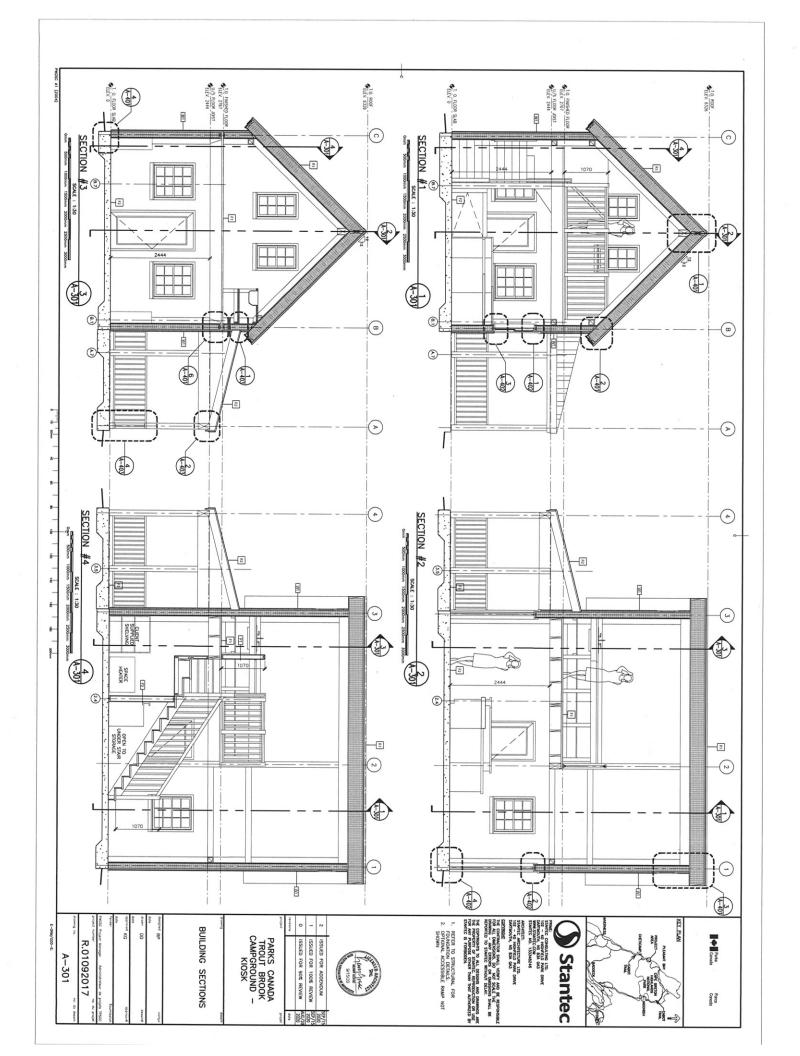


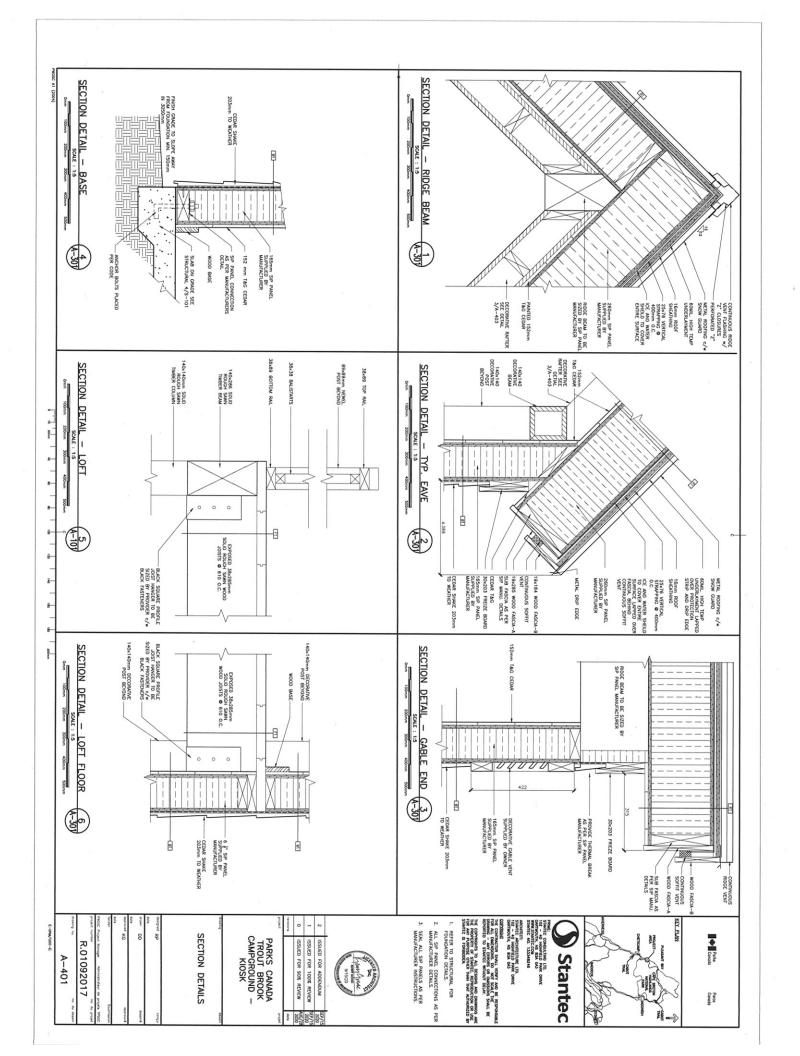


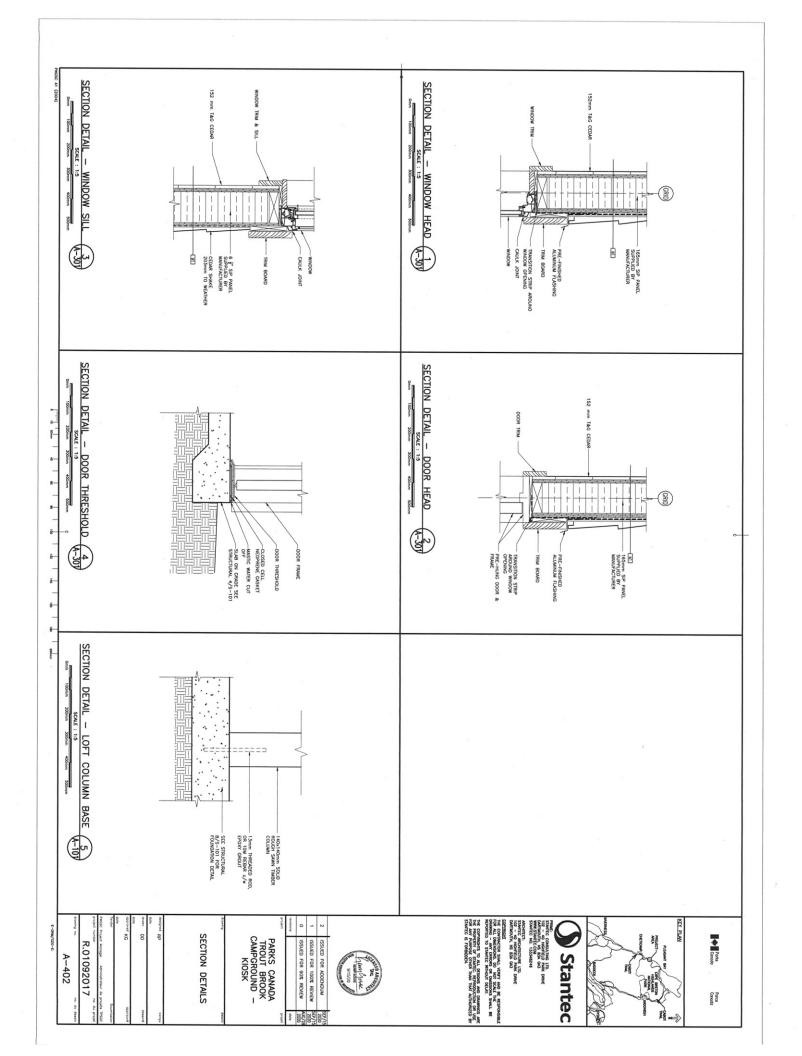


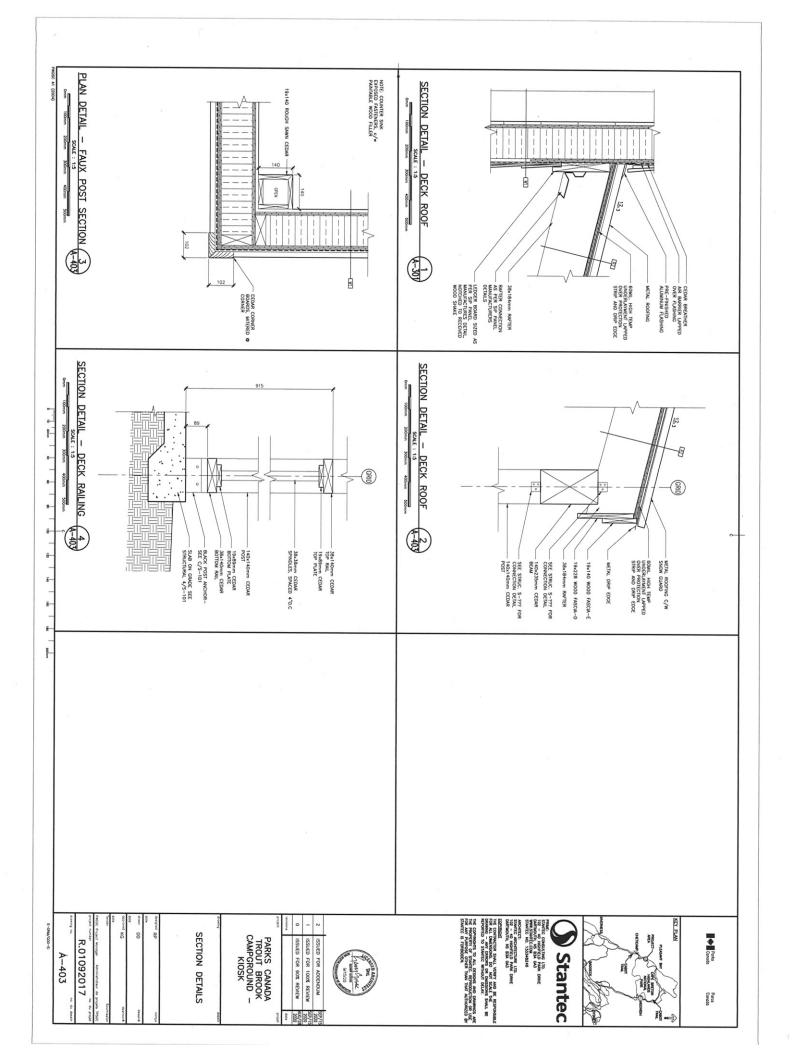


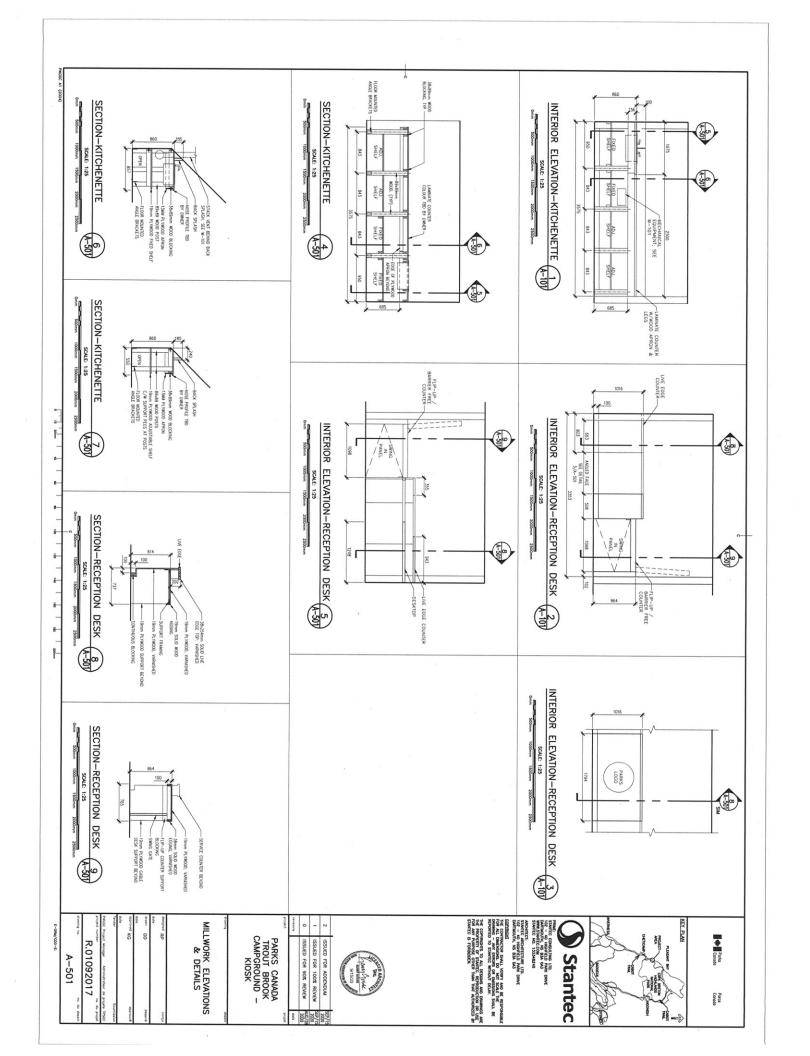


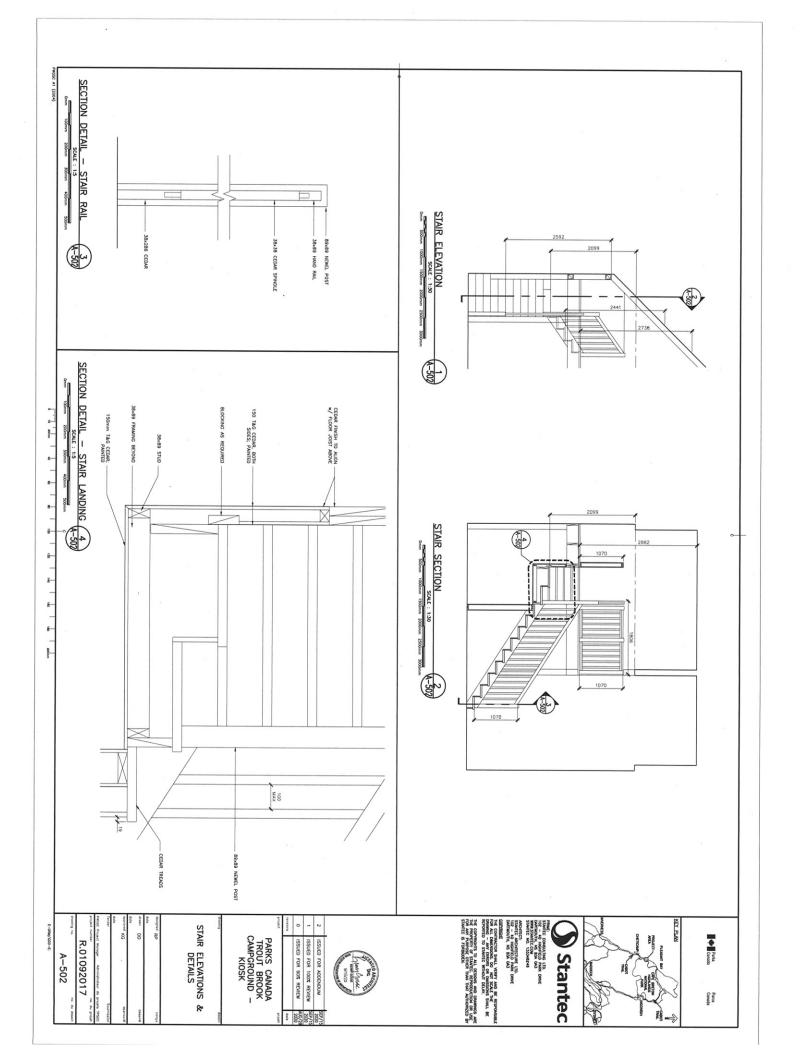












## GENERAL NOTES:

- REQUINE STRUCTURAL DEBANNOS IN CONJUNCTION WITH ALL OTHER PERTIENT CONTRACT DOCUMENTS.
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  DIALISSONS. LOCATIONS OF DOOR AND WINDOW DEFENDED UNITS. AMERSPEROPORIOS & UCULT DEPONICS.
  ROCE/TOCHE DEBANS. TRESHOES, MUNICIPED OR SUSPENDED UNITS. AMERSPEROPORIOS & UCULT DEPONICS.
- CONTRACTOR SHALL COMPLY AND BE RESPONSIBLE FOR ALL WORK TO BE COMPLETED IN CONFORMANCE WITH ALL APPUICABLE FEDERAL, PROVINCIAL AND OWNERS OCCUPATIONAL HEATH AND SAFETY REGULATIONS,
- DO NOT IMPOSE CONSTRUCTION LOADS ON THE STRUCTURE IN EXCESS OF THE DESIGN LOADS.
- ALL VERTICAL ELEVATIONS ARE IN MILLMETERS AND PLAN DIMENSIONS ARE IN MILLMETERS, UNLESS NOTED DITHERMISE. THE COMPACTION SHALL VERBYD DIMENSIONS PROME TO CONSTRUCTION START AND REPORT ALL DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DAMINIOS.
- THE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA. 2015 EDITION PART 4 AND REFERENCED STANDARDS WITHIN. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM WORK AND TO COMPLY WITH ALL APPLICABLE OCCUPATIONAL HEATH AND SAFETY REGULATIONS, ENVIRONMENTAL REGULATIONS.
- doawnos show coupleted Structures Only, contractor shul proyor tup-opary bachor and signing for construction Looding Combitings and Strult of the Structure During Construction Construction (Loads religiong offering Equiplent and Personnel May Exceed Design Load, USE Jodinana, Support Medie Reguleria
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE DONE TO EXISTING FEATURES AS A RESULT OF THIS WORK. DAMAGED ITEMS SHALL BE REPLICED IN KIND AND AT NO ADDITIONAL COST TO THE OWNER.
- . CONTRACTOR TO LEAVE EQUIPMENT AND MACHINERY RUNNING ONLY WHILE IN USE.
- CONTRACTOR TO MAKE GOOD ALL AFFECTED AREAS TO THE ACCEPTANCE OF THE ENGINEER. DETECTIVE OR UNACCEPTABLE WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COS TO THE PROJECT.
- 13. DO NOT INSTALL OPENINGS, SET INSERTS, DRILL OR ATTACH TO THE STRUCTURAL BUILDING COMPONENTS, EXCEPT AS NOTED ON THE STRUCTURAL DRAWNOS, WITHOUT WRITTEN CONSENT OF THE ENGINEER. THE CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF NOW SCOTIA-TO PERFORM AND TAKE RESPONSIBILITY FOR ANY TEMPORARY BRACING, SHORING OR OTHER DESIGNS TO COMPLETE THE CONSTRUCTION.
- IS SHOP DRAWNESS REPRODUCTION OF DESCAL DRAWNESS SMALL, NOT BE PERMITTED FOR SHIPE DRAWNESS SIBMANDSONES. THE CORPERAL CONTRICATOR/CONSTRUCTION MANAGERS SHALL RECEIVE AND PROPRODE REVEWS STAMP ON SHOP DRAWNES STRUCTURE STRUCTURE STRUCTURE STRUCTURE OF SHOP TO SHAPE SHOWNESS ARE TO BE STAMPED BY A PROPESSIONAL ELICIBIES TO FRANCISCO TO SHOWNESS ARE TO BE STAMPED BY A PROPESSIONAL ELICIBIES TO FRANCISCE IN SHOWN SOUTH.
- 16. NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO ALL CONCRETE PLACEMENT.
- 17. CONTRACTOR SHALL YERFY THE SUITABILITY OF ALL PRODUCTS BEING SPECIFED FOR WORK FOR THE INTERVIEU USE AS PART OF THIS CONTRACT AND OR ANY OTHER FORM OF COMMUNICATION RELATING TO THIS PROJECT PROJET TO START OF WORK.
- 18. OPENINGS IN SLAB, FLOOR. SHALL BE COORDINATED WITH STRUCTURAL, ARCHITECTURAL, MECHANICAL, AND/OR OTHER PERTINENT DRAWINGS.
- REVIEW LOCATION OF INTENDED AND PROPOSED CONSTRUCTION JOINTS WITH THE ENGINEER PRIOR TO PROCEEDING.

# EXCAVATION NOTES:

- ALL DEMOUTION WASTE SHALL BE DISPOSED AS APPROVED BY SITE REP.
- ALL COMPACTED BACKFIL. MATERALS SHALL BE PLACED IN MAXIMUM 150mm UFTS AND COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY (SPDD) UNLESS APPROVED OTHERWISE BY A GEOTECHNICA EVAINEER.
- In areas requiring fill, only approved site excavated material or approved imported materials will be permitted.
- 4. COMPACTION EQUIPMENT SHALL BE APPROVED BY THE ON SITE GEOTECHNICAL ENGINEER.
- FINISH GRADES SHALL BE AS PER EXISTING CONDITIONS, OR SLOPE AWAY FROM NEW BUILDINGS STRUCTURES ONCE CONSTRUCTION IS COMPLETE, ALL SURFACES TO HAVE POSITIVE DRAINAGE WITHOUT PONDING.
- GRANULAR AND BACKFILLING MATERIALS REFERRED TO ON THESE DRAWINGS SHALL BE IN GENERAL CONFORMANCE WITH THE FOLLOWING:
- B) TYPE 2 FILL: CLEAN ANGULAR CRUSHER RUN NATURAL STONE, FREE FROM SHALE, CLAY, FRUBLE MATERIALS, ROOTS AND VEGETABLE MATTER AND GRADED WITHIN NSTIR SPECS: A) TYPE 1 FILL: CLEAN NATURAL SAND AND GRAVEL MATERIAL, FREE FROM SILT, CLAY, LOAM, FRIABLE OR SOLUBLE MATERIALS AND VEGETABLE MATTER AND GRADED WITHIN NSTIR SPECS;
- O) SIE FILL EXCANAED PERMOUS SOIL, FREE FROM ROOTS, ROCKS LARGER THAN 15mm AND BILLDING DEBNS, EXCANAED MATERIAL SALLE B. APPROVED BY ENGINEER BEFORE USE AS FILL, IF UNSUITABLE, SUBSTITUTE WITH TYPE 2 MATERIAL.

- A. ENGINEERED FILL, BACK FILL AND SUBBASE MATERIAL SHALL BE A SOIL GRANULAR MATERIAL CONFORMING TO THE GRADATION CRITERIA REFERENCED IN THE GEOTECHNICAL REPORT.
- B. SAND SHALL CONSIST OF CLEAN SAND HAVING HARD, DURABLE, UNCOATED GRAINS, FREE FROM DELETERIOUS MATTER; FINENESS MODULUS SHALL BE 2.85+/- 0.20.
- B. SUBMIT TEST RESULTS VERIFYING MATERIALS TO BE USED MEET THE ABOVE REQUIREMENTS.
- EXCAVATIONS SHALL BE KEPT FREE OF WATER AND ANY UNDESIRABLE
  MATERIALS WHILE WORK IS IN PROCRESS, NOTIFY OWNER'S REPRESENTATIVE
  WHEN EXCANATION HAS BEEN RE-COUNACTED AND REINFORCING PLACED, DO
  NOT PLACE CONCRETE UNTIL DIRECTED TO DO SO.
- 10. PROTECT BOTTOM OF EXCAVATIONS AGAINST FREEZING WHEN TEMPERATURE IS LESS THAN 2°C.
- 11. DOUME TO LIKE AND LIFELS RECESSARY TO PROPERLY COMPLETE THE WORK, MANUAL MEE SLOPES OF TELL DOUBLE TO LIFELS AND LIFELS SLOPES OF THE DEPORT DOCUMENTORS SHALL HOT DECED 1 TO 1 OF AS RECOMMENDED OF OCCUPATIONAL HEALTH AND MATERIAL COMPANY, DOWNSHIP TO SISSUE BOTTOM OF EXAMINING DES NOT SUFFELD HIE TO EXCESS MACRONIC COMPANY DEVELOPED TO SUFFER AND PROTICES FOR DAWANGE AS RECOMED TO EXCESS MACRONIC COMPANY TO SUFFER AND PROTICES OF TO MANUAL DES AND THE TOP TO SUFFER AND THE TO
- ALL DICAVATED SOIL SURFACES SHALL BE PROOF ROLLED PRIOR TO THE PLACEDENT OF ANY BACKFILL ANY SOFT AREAS ENCOUNTERED SHALL BE REMOVED AND REPLACED WITH COMPACTED CLASS B GRANULAR MITERIL.
- 13. ALL SOIL MATERIALS MUST BE PLACED AND COMPACTED IN THE DRY.
- 14. CONTRACTOR SHALL PROVIDE EXCAVATION, DRAINAGE, DEWATERING AND TEMPORARY FLOW DIVERSION THROUGHOUT THE PROJECT.

### EARTHWORK

2.

- 1. STRIP TOPSOIL, ORGANIC MATERIAL, AND LOOSE SOILS INSIDE THE PROJECT AREA MATERIUS EXCAVATED BELOW INDICATED SUBGRADE ELEVATIONS, UNDER FOOTINGS, FOUNDATION BASES OR RETAINING WALLS SHALL BE REPLACED WITH LEAN CONCRETE FILL BACK FILL OTHER AREAS WITH AUTHORIZED MATERIALS.
- ECCAMINONS SHALL BE KEPF FREE OF WATER AND ANY UNDESRHABLE MATERIALS WHILE WORK IS IN PROCRESS. NOTIFY OWNER'S REPRESENTATIVE WHEN ECCAMATION HAS BEEN RECOMPACTED AND REINFORCING PLACED. DO NOT PLACE CONCRETE UNIT. DIRECTED TO DO 50.
- COMPACTION TESTING TO BE PERFORMED AS FOLLOWS: FILL UNDER BUILDING SLAB: A MINIMUM OF ONE TEST PER LAYER FOR EVERY 100 SQUARE METER OF ENGINEERED FILL EACH 200mm LIFT SHALL BE TESTED.
- WRITTEN TEST RESULTS SHALL BE RECEIVED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ANY CONCRETE PLACEMENT.

# FOUNDATION NOTES:

- THE CONFIRMATION OF SUITABLE BEARING STRATA SHALL BE PERFORMED BY QUALIFIED GEOTECHNICAL PERSONNEL BEFORE BACKFILL IS PLACED, AND WHERE FOUNDATIONS AND SLABS ARE TO BE CONSTRUCTED. ON-SITE EXCAVATED MATERIAL SHALL NOT BE REUSED AS BACKFILL, UNLESS APPROVED BY ENGINEER.
- GEOTECHNICAL ENGINEER TO VERBY THE BACKFILL AND COMPACTION PROCEDURES UNDER THE ENTIRE PROTEING OF THE BUILDING. SOIL BEARING TO BE CONFIRMED, TO HAVE (SLS) 100 MP AND (ULS) 150 MP AND (ULS) 15

THE CANADIAN STANDARDS ASSOCIATION CSA-A23.1-14/ A23.2-14 - LATEST EDITION "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION" SHALL APPLY AND BE ADHERED TO.

EXTERIOR SLAB -C2- 32MPa (AT 28 DAYS, SLUMP 75mm±25mm, AIR 6% ±1%)

- CONCRETE REINFORCEMENT SHALL BE DEFORMED BARS CONFORMING TO CURRENT CSA SPECIFICATION C30.18M-09 (R2014). ALL REINFORCING STEEL TO HAVE 400MPa YIELD STRENGTH.
- ALL REINFORCING STEEL SHALL HAVE A PROTECTION OF CONCRETE NOT LESS THAN THE FOLLOWING UNO: AT SURFACES NOT EXPOSED DIRECTLY TO GROUND OR WEATHER - 38mm for SIAB ON GRADE, SEE DRAWINGS. AT FORMED SURFACES EXPOSED TO GROUND OR WEATHER AFTER REMOVAL OF FORMS - 60mm AT GROUND CONTACT SURFACES WHEN CONCRETE IS DEPOSITED AGAINST THE GROUND - 75mm
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING WORK.
- ALL EMBEDDED METALS SHALL BE FREE OF GREASE OR ANY AGENT THAT MAY INHIBIT ITS BOND WITH THE CONCRETE. ALL EMBEDDED METALS SHALL BE IN PLACE PRIOR TO POURING THE CONCRETE.
- CONCRETE TEMPERATURE TO REMAIN AT 10°C OR HIGHER FOR A MINIMUM OF 7 DAYS. INSULATED TARPS OR PORTABLE HEATERS MAY BE USED TO MAINTAIN REQUIRED TEMPERATURE.
- REINFORCEMENT TO HAVE CLASS B TENSION SPLICES.
- CRACK CONTROL JOINTS TO BE PLACED AT SPACING NOT EXCEEDING 4500mm. AND COORDINATE WITH CONSTRUCTION ACTIVITIES. CONTRACTOR TO LOCATE

## WOOD FRAMING:

ALL LUMBER USED FOR BEAMS, RAFTERS, LINTELS AND POSTS SHALL BE SPF NO.1. UNLESS NOTED OTHERWISE

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Percs

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE NATIONAL BUILDING CODE OF CANADA 2015 EDITION.
- HANGING OF MECHANICAL PIPING AND DUCT WORK FROM RAFTERS OR FLOOR JOISTS SHALL BE AS PER JOIST RAFTER MANUFACTURER'S RECOMMENDATION.
- ALL TIMBER SHALL COMPLY WITH CSA 086-14.
- IF AIR NAILER IS USED NAIL SPACING SHALL BE REDUCED BY 1/3.

- PROVIDE TEMPORARY SUPPORTS AS REQUIRED.

### ROOF FRAMING

- PROVIDE TWO UPLIFT CONNECTORS AT EACH RAFTER BEARING POINT FOR WIND UPLIFT ON ROOF.
- PROVIDE WASHERS AT ALL BOLTED CONNECTIONS.
- ALL LUMBER SHALL BE SPF NO.1 UNLESS OTHERWISE NOTED.
- IF AR NAILER IS USED NAIL SPACING SHALL BE REDUCED BY 1/3.

- cuting of holes on structural framing members shall not be permitted without written approval from the engineer.
- TEMPORARY LATERAL BRACING OF THE TIMBER STRUCTURE IS THE RESPONSIBILITY OF THE BUILDING CONTRACTOR.

- ALL NAILS, SPIKES AND STAPLES SHALL BE IN ACCORDANCE WITH NBCC CLAUSE 9.23.3.
- PRE-DRILL ALL BOLT HOLES PRIOR TO INSTALLING BOLTS.
- SHOW CONNECTION DETAILS ON SHOP DRAWINGS FOR REVIEW BY ENGINEER

- ALL NULS, SPIKES AND STAPLES SHALL BE IN ACCORDANCE WITH NBC 2015. UNLESS NOTED ON DRAWNOS.



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CONTRACTOR SHALL VERFY AND BE RESPONSE
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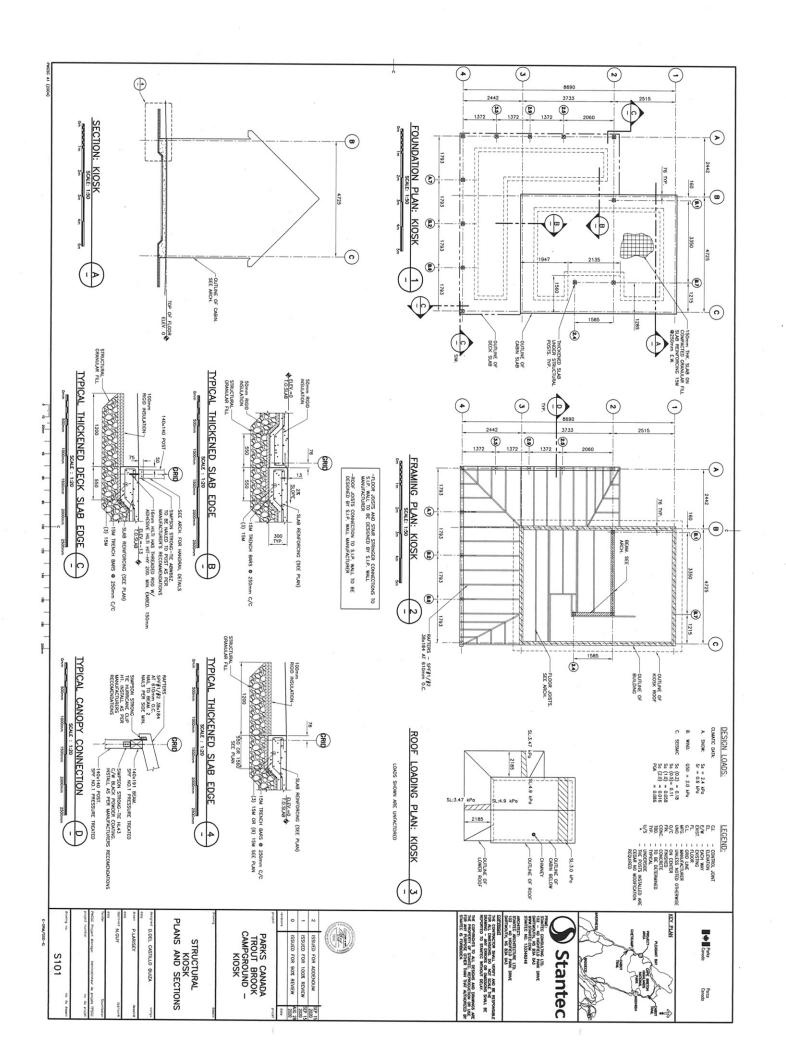


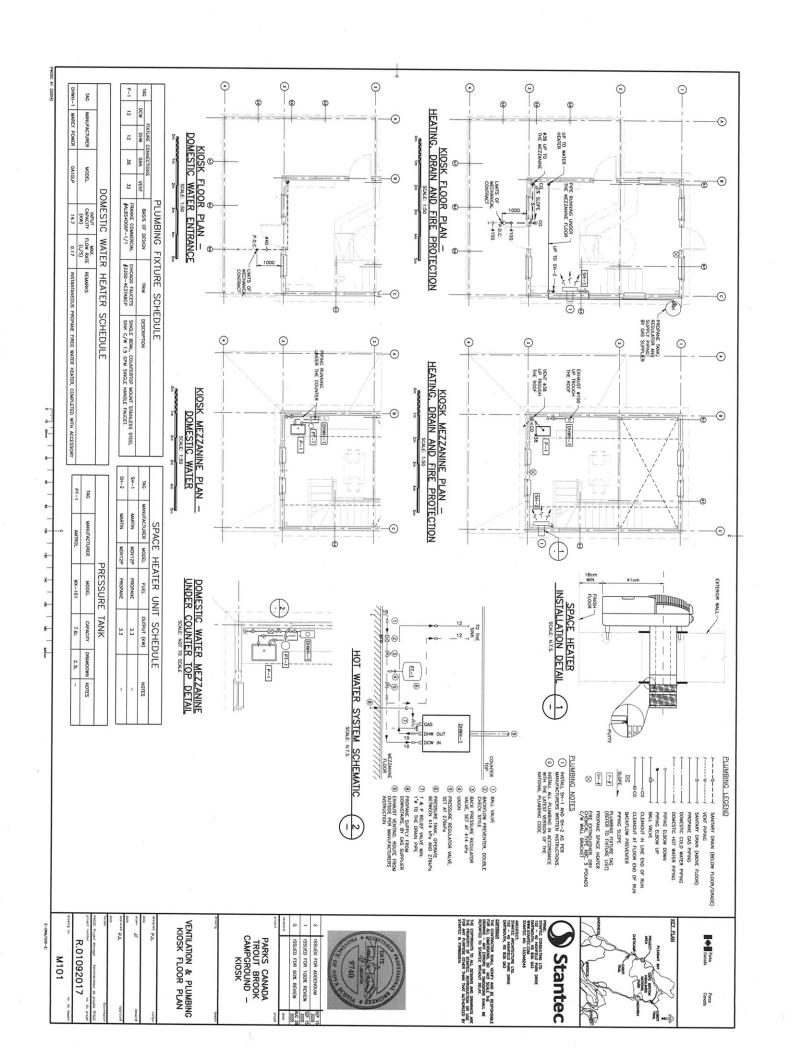
PARKS CANADA TROUT BROOK CAMPGROUND -KIOSK

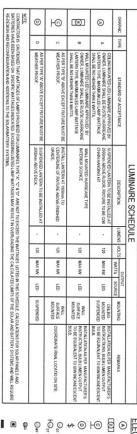
STRUCTURAL KIOSK NOTES AND SPECIFICATIONS D.DEL CASTILLO BUIZA

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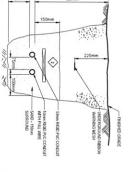


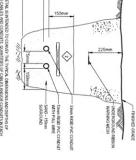
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### ELECTRICAL LEGEND **(**

- CELLING MOUNTED INTERIOR LUMINAIRE CAY LED LAMP AS INDICATE

- TABLE TOP TYPE DUPLEX FLIP-UP TYPE RECEPTACLE C/W USB CHARGE PLUG. VAND ANGUORIUM OR APPROVED EQUIVALENT.
- OM ENTRY SURFACE MOUNTED ELECTRICAL PANEL





-NEW PVC CONDUITS TO

FOR KIOSK BUILDING "K"
TO LOCATION SHOWN

KIOSK BUILDING "K"

PULL BOX

MAIN WASHROOM
AND KITCHEN

(1)

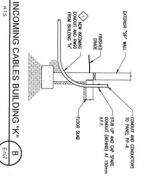
PARTIAL ELECTRICAL SITE PLAN

BURIED CONDUITS

A
NT.S.

E-002

BOLT DOWN-COVERPLATE



FOR 53mm CONDUITS IN-GROUND-BOX

IN-GROUND PULL BOX (2) NOTE
THIS DETAIL IS DIMORAMMATIC AND INTENDED TO REFLECT THE GENERAL
SINE OF PULL BOX, ACTUAL MANUFACTURES SUPPLIED PULL BOX MAY
APEDA DIFFERENTLY.

10 20mm - 50 - 88 - 88

CASKETED

- (B) WALL MOUNTED INTERIOR LUMBURE CWILED LAMP AS INDICATED.
- WALL MOUNTED EXTERIOR LUMINAIRE CAVLED LAMP AS INDICATED.
- 120V SINGLE POLE TOGGLE SMITCH
- WALL MOUNTED DUM, TECHNOLOGY 129 VOLT OCCUPANCY SENSOR.

- DIRECT ELECTRICAL CONNECTION TO PROPANE HEATING CONTROLS

ELECTRICAL LINE WEIGHTS

LIGHT LINE INDICATES BUSTING ELECTRICAL

HEAVY LINE INDICATES NEW BLECTRICAL

# **ELECTRICAL GENERAL NOTES**

- DE OF CAVADA 2015 AND THE CAVADIA

- COORDINATE FINAL INSTALLATION LOCATION OF ELECTRICAL EQUIFMENT AND DEVICES ON SITE WITH ALL OTHER ASSOCIATED TRACES.
- ALL FEEDER RUNS INDICATED ON DRAWINGS ARE DIAGRAMMATIC ONLY, COORDINATE EXACT RACEWAY AND CABLE LOCATIONS ON SITE.
- DSSIBLE EXACT DIMENSIONS SHALL BE VERIFIED ON SITE.

STARTEC CONSULTING LTD.
102 - 40 HG-PELD PARK DRIVE
DARTINOUTH, NS BAN DAX
WWW.STARTEC.COM
STARTEC NO. 133348246

) Stantec

ARCHTECT:
STATEC ARCHTECTURE LTD.
102 - 40 HIGHTELD PARK DRIVE
DARTMOUTH, NS BJA QA3

- 12. ELECTRICAL CONTRACTOR TO PROVIDE PANEL DIRECTORY IN A TYPEWRITTEN FORMAT IN ALL PANELBOARI
- OI AL IDSTRING SERVICES MAY BE SHOWN, THOSE SHOW MAY NOT BE ACCISATE CONTRACTOR TO COVERN JUSTING SERVICES OURSING CONSTRUCTION. THAE DISTRIBLE PREGAUTION HOT TO DERBYTH AND DESITING SERVICES OURS OURSING COUNTS COURS OF SHALL RESISTATE AND DESIRE AND EXPLANT OWNED FOR SERVICES OF SHORT AND THAT OF ELECTRICAL WARK UNDER THIS SCOPE, AT CONTRACTOR'S OWN EXPENSE.

ODD CIRCUITS (1-11) LOAD PHASE A (W) LOAD PHASE B (W) TOTAL PHASE A

1440

- ERFORM TESTS ON EACH SYSTEM TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVES AND SUBMITTEST TESTATIS FOR APPROVAL PRIOR TO THE FINAL ACCEPTANCE OF THE WORK.

- FROMDE NEW CONDUCTORS AND CONDUIT TO SERVE DEMOLITION "TABLE 3 ON E-114 OF ORIGINAL SITE WOLCOMPLETE CONDUIT ROUTING NE BUILDING "K." REFER TO "NEW INSTALLATION AND ORK PHASE 2 TENDER DRAWINGS FOR SIZING OF NG AND NOTES.
- PROVIDE AND INSTALL sharm THICK TREATED PLANNING ABOVE CHELESCONDUITS MAREAS OF TRAFFIC WITH OF PLANNING SHALL ACCOMMISSING LOWINTT OF CHELESCONDUITS WITH A COURS OFFER APPORTMENT OF SHARM OF THE PROVIDE ROBER AND THE PLANNING MARE UNILLED TO ACHERE CONFERMER MAINT BURNING DEPTH OF CHELESCONDUITS SHALL RELIAN AT 45mm.
- PROMOTE IN-GROUND ELECTRICAL PALL BOX SCIED AS REQUIRED. WITH Storm INDICASOF AT EACH BOX SCIED AND MITH HOPE CONFER FOR ROUTING OF RIGHT PAC CONDUITS. STANDARD OF ACCEPTANCE HUBBELL QUALITE FIPP SERIES.

Parks Canada

Parcs Canada

- CONTRACTOR SHALL VERIFY NAMEPLATE RATINGS ON ALL EQUIPMENT IN ELECTRICAL SCOPE AND REPORT ANY DISCREPANCIES PRIOR TO INSTALLATION, VERIFY CONDUCTOR SIZES AS FER MANUFACTURER'S RECOMMENDATION.

- ALL DIAGRAMS ILLUSTRATE INTENT ONLY. CONTRACTOR TO MAKE ALL NECESSARY AD JUSTMENTS TO SUIT SUPPLIES EQUIPMENT AND ACHIEVE REQUIRED FUNCTIONALITY.

- ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS CREATED BY NEW INSTALLATIONS.
- ELECTRICAL CONTRACTOR TO VERIFY EVISTING UNDERGROUND SERVICE LOCATIONS IN RELD PRIOR TO CONSTRUCTION DISCREPANCIES OR CONFLICTS TO BE REPORTED IMMEDIATELY TO OWNER'S REPRESENTATIVES.

THE COPPRICHTS TO ALL DESIGNS AND DRAWNASS ARE THE PROPERTY OF STANTIC, REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTIC IS FORBIODEN. COPRISE

THE CONTRACTOR SHALL YERRY AND BE RESPONSIBE
FOR ALL DIMENSIONS, DO NOT SCALE THE
DRAWNG — MAY DRAWNS OR OMISSIONS SHALL BE
REPORTED TO STARTE WITHOUT DELAY.

- I. THE ELECTRICAL CONTRACTOR SHALL RECORD THE ACTUAL INSTALLATION ON A S PROVIDE TO THE OWNER UPON COMPLETION OF WORK.
- MARIAN SER NE TOT CONCEINON, FREE FROM JACKAMALINN OF MAKTE PROCUPET, AND CEREME, INDIVIDUAL SISSIAMINE PERFORMANCE OF THE MOOK, BEAUTHOR CARRILL TOOLS, MAN-DEEPEN, AND CLEMANEN THE SERE COMERCINES SEREOUSED OF SEREOUS AND EXPENSE OF THE MOOK, IT SHALL IS THE CONTRACTIONS SEREOUSED. TO TO 10 ROBERS AND COMMAND CONTROL OF THE MOOK IT SHALL IS THE MAKE AND CONTRACT AND THE MOOK IN THE MOOK

SITE TRAVEL NOTE

THE CONTRACTION IS NOT DO MAJOR REZAS
OUTSIZE OF THESE MANETURE WAS SITE, ESTIRE ISST
APPROVED TRAVEL CORREDORS WITH PRAYS CANDA
REPRESENTATIVE AT WASKS SITE AT START OF
CONSTRUCTION, DO NOT LEAK A PROVED TRAVEL
CONSTRUCTION.

# **ELECTRICAL KEY NOTES**



ISSUED FOR ADDENDUM

ISSUED FOR 100% REVIEW
ISSUED FOR 90% REVIEW

PARKS CANADA TROUT BROOK CAMPGROUND -KIOSK

ELECTRICAL NOTES AND SCHEDULES

2020.08.10 AC 2020.08.10

2020.09.15

R.01092017

E-002

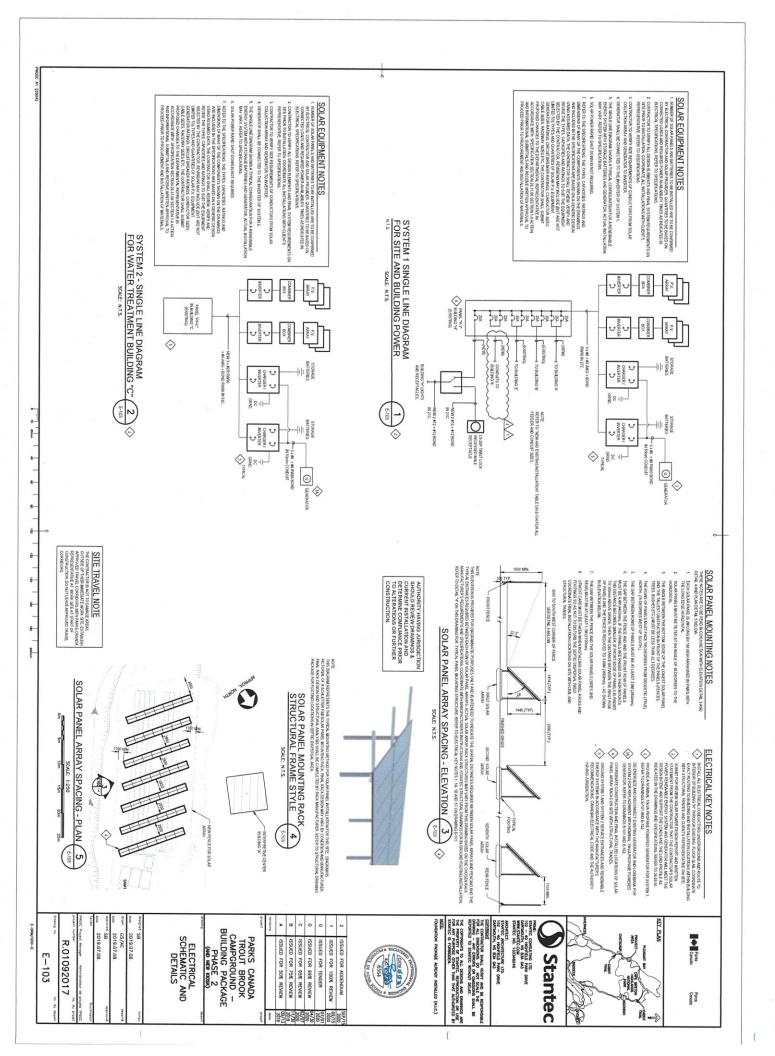


TABLE 1: SYSTEM #1.040 PROFILES.
Trout Brook Campground. System 1. Table 1. Load Profiles.

	Computer	Comms system	lighting, EXIT	Ughting Type H	Lighting, Type G	Lighting, Type 0	Lighting, Type C	Lighting, Type A1	Lighting, Type A	HW circ pump	HW heating control power	Receptacle	Exhaust fan		Source Unit
	8	8	92	(K)	32	ï	=	96	10.5	×	8	1440	86	0	(W)
			-	u		2		0				-	0	Quartity Load (W)	_
1666				146	0	×	0	4	0	0	0	1440	0	04d (W)	nterpretiv
			100% load, 24 hr/day, 7 days/wk.	100% load, 3 hr/day, 7 days/sk.		10% load, 10 hr/day, 7 days/sk.		100's load, 3 tr/day, 7 days/wk.				100% load, 3 hr/day, 7 days/mk.		Operation	Interpretive Centre: Building A.
			Г			-			ы	-	1	1	-	Quantity	
2.2105			0	0	0	8	=	0	367.5	25	8	1440	81	Quantity Load (W)	Main (sout
						25% load, 8 hr/day, 7 days/wk.	25% load, 8 ht/day, 7 days/ak.		25% load, 8 hr/der, 7 days/wk.	100% load, 24 hr/day, 7 days/mk.	100% load, 24 hr/day, 7 days/wk	100% hasd, 4 ht/day, 7 days/wk.	25% load, 8 hr/cay, 7 days/wk.	Operation	Main (south) washroom. Building 8.
			Г				-		35	-	-	0		Contract	
800			0	0	0	æ	=	0	367.5	tx	8	0	g	Quartery   (cad [W]	dain washe
						25% load, 8 hr/day, 7 days/sak.	25's load, 8 hr/day, 7 days/wk.		25% load, 8 hr/day, 7 days/wh.	100% load, 24 M/Gay, 7 days/wk.	100% load, 24 hr/day, 7 days/wk.		25% load, 8 hr/day, 7 days/lek.	Operation	Main washroom & kitchen. Building E
			Г		w	П			П			-		Quartity	
1516			0	0	8	0	0	0	0	0	0	1440	0	(w) pro1	8
					100% load, 1 hr/day, 5 days/wk.							0'% load, 1440 hr/day, 1440 days/wh		Operation	Solar PV. Building H.
	-	1				~			9		1	-		Quantity	_
and i	\$	8	0	0	0	25	0	0	92.5	0	8	1440	8	Quantity   load (W)	Welcome K
	100% load, 8 M/Gay, 7 days/wk.	100% load, 24 hr/day, 7 days/wh.				10's load, 10 hr/day, 7 days/wk.			100% load, 8 hr/cay, 7 days/wk.		100% load, 24 hr/day, 7 days/wk	33% load, 8 te/day, 7 days/wk.	10% foad, 10 hr/day, 7 days/uk.	Operation	Welcome Klosk. Building K (future)

Item	Qty	Unit Load	Watts	Duty cycle	cycle	Comments
			-	6 am to 11 pm 11 pm to 6 am (17 hours) (7 hours)	11 pm to 6 am (7 hours)	
General purpose receptacle cct.	_	1440	1440	6%	0%	0% 100% load for 1 hr per day, 7 days per week.
Well pump	_	1920	1920	41%	×	7% 1hp @ 2407. 7 hours run time during the day, 31 minutes overnight.
Booster pump	L	2400	2400	41%	7%	7% 211 hp @230V. Same duty as well pump.
Chlorine pump	_	190	190	100%	0%	
Backflow preventers	. 2	0	0	100%	100%	100% Supplied from softeners
Filter: Fe/Al	2	6	12	100%	100%	
Filter: Pb/As	2	6	12	100%	100%	
Watersoftener	_	60	60	100%	100%	
Flow meter	_	7	7	100%	100%	
interior lights (G)		32	ж	8%	0%	0% Assumes 1 hour per day
Total			6137			

	Remove power conductors and conduit	8 '3' Spits	Panel "D 99" Isnael	Outside Bidg 'C'	Anell bear
	Remove power and controls cables and conduits.	Bldg 'C' 9	Panel "PP C"	Outside Bidg C	Diesel generator
Cable exists to previous proposed location of Bidg 'A'. Remove this cable.	Remove.	8 JA. Pp18	м. 10 га	Existing exterior stub-up	Previous location of Bldg 'A'
Cable exists to previous location of 12-panel solar array. Remove this cable.	Remove.	A, Ppig	System 1 inverters	Near Bldg 'B'	Existing Scier Penel Array
Comments	Cable/conduit	Location	To Destination	om Location	Source From
	ition	Demolition			
	Size 53 conduit for communications services, with pull cord.	Bidg 'x'	Beside panel "PP K		Highway
New conduits and wire. Termination at BLDG. "K" and panel "P-1"	Power cct: 3 x #8 AWG + #10 bond RW90 in size 53 conduct.  One spare size 53 conduit with pull cord.	Bldg Tr	Panel 'PP-K'	н, вря	Panel 'P-1'
The contractor that with the Com-	Power cct. 3 < #8 AWG TECK90 cable direct buried.  One spare size 53 conduit with pull cord.	3.8918	Panel "Pane"	н, вря	Panel "P-1"
TECK cable exists, spare conduit is new	Power cct. 3 c #8 AWG TECK90 cable direct buried.  One spare size 53 conduit with pull cord.	.a. 3p;g	Panel "PP 8"	H Spill	Panel 'P-1"
	Power cct: 3 x #8 AWG + #10 bond RW90 in size 27 conduit. One spare size 53 conduit with pull cord.	W. Ppig	Panel "PP.A"	н вря	Panel 'P-1'
88	Power cct: 3 x #2/D AWG + #6 bond RW90 in size 53 conduit. One spare size 53 conduit with pull cord.	3,898	Panel "PP C"	H Pps	System 2 inverters
	3 x #6 AWG + #8 bond RW90 in size 27 conduit	H, Spig	Panel "P-1"	JA, Spill	System 1 inverters
	Single conductor battery cables, size as required.	H. Spig	System 2 batteries	H, Spin	System 2 inverters
	Single conductor battery cables, size as required.	Blog W	System I batteries	H. Bois	System Linverters
	Power cct. 3 x 84 AWG + 88 bond RW90 in size 27 conduit. Controls cct: conductors as required. Size 53 conduit.	JA, Pp 18	System 2 inverters	Generator pad	System 2 generator
	Power cct. 3 x 84 AWG + 85 bond RW90 in size 27 conduit. Control's cct: conductors as required. Size 53 conduit.	A. Ppig	System 1 inverters	Generator pad	System 1 generator

New Installation

ASSERTING NETWORK IN THE CONTROL OF THE CONTROL OF

NOMION PACKAGE ALREADY INSTALLED (N.L.C.)

STANTEC CONSULTING LTD.
102 – 40 HGAPRED PARK DRIVE
DARTHOUTH, US BA, OAS
WWW.STANTEC.COM
STANTEC NO. 133348246

) Stantec

FED FROM	FED FROM INVERTER/SYSTEM #2										225A RATED MAIN BREAKER
381M	DESCRIPTION	LOAD	BRXR	POLES	POLES CCT NO. PHASE CCT NO.	PHASE	CCT NO.	POLES	BRKR	LOAD	DESCRIPTION
#12	WELL PUMP	960	g	70	-	>	2	-	15	190	CHLORINE DOSING PUMP
		960	-	,	3	CED	4	-	15	1536	RECEPTACLE & LIGHTS
#12	RECEPTACLE	12	15	-	s	Þ	6		15	12	RECEPTACLE
	80005188	1200	76	đ	7	0	00		15	12	RECEPTACLE
****	000000000000000000000000000000000000000	1200		0	9	Þ	10	1	15	12	RECEPTACLE
#12	RECEPTACLE	12	15		11	80	12	1	15		SPARE
#12	RECEPTACLE	12	15	1	13	Þ	14		15		SPARE
	SPARE		15		15	œ	16	1	15	12	RECEPTACLE
	SPARE		15	1	17	Þ	18	1	26		-
	SPARE		15	-	19	8	20	1	33		SPARE
	SPACE			1	21	A	22	1			SPACE
	SPACE			-	23	00	24	1			SPACE
	SPACE				25	>-	26				SPACE
	SPACE			-	27	00	28				32V4S
	SPACE			1	29	A	30	1			SPACE
L	SPACE			-	31	90	32	1			3DAG8
0	ODD CIRCUITS (1-31)							EVEN CIP	EVEN CIRCUITS (2-32)	9	
16	LOAD PHASE A (W)	2184						LOADPH	LOAD PHASE A (W)	214	
11	LOAD PHASE B (W)	2172						LOADPH	LOAD PHASE B (W)	1560	
				TOTAL BUASSE D							

WIRE DESCRIPTION

#8 PANEL PP-A

AMM GOTISSICHON AMERIT STATEM - 120 JAMPS - 120 JAMPS - SERVICE AMERICAN AMB GOTISSICHON AMERICAN STATEM - 120 JAMPS - 120 JAM

150A BATED MAIN BELAKER
DESCRIPTION WINE
PANIE PANIE
SPARE

225 AMP - 120/240V 1ph 3 WIRE - SERVICE RATED

8 8

PANEL PP-K PANEL PP-E

COD CIRCUITS (1-11)
LOAD PHASE A (W)
LOAD PHASE B (W)

485

EVEN CIRCUITS (2-12)
LOAD PHASE B (W)

558 1497



ISSUED FOR ADDENDUM
ISSUED FOR FOOT REVIEW
ISSUED FOR STATE REVIEW
ISSUED FOR 85% REVIEW
ISSUED FOR 85% REVIEW
ISSUED FOR 85% REVIEW

PARKS CANADA
TROUT BROOK
CAMPGROUND —
BUILDING PACKAGE
PHASE 2
(MID NEW MIDS)

ELECTRICAL
PANEL AND LOADING
SCHEDULES

2019.07.08. GS/AC 2019.07.08. d SB 2019.07.08. R.01092017

E-104

50

Parcs Canada

Ports Conoda

ELECTRICAL KEY NOTES

NOTE ENSTRUCTION OF CHARMAN AND FERENT HIS PARK

VERTATED PAREL SCHEDULE WHICH KET ECT IS THAT WON THE PERCHANDEMENT.

AUTHORITY HAVING JURISDICTION SHOULD REVIEW DRAWINGS & CURRENT INSTALLATION AND DETERMINE COMPLIANCE PRIOR TO ALTERATIONS OR FURTHER CONSTRUCTION.

SITE TRAVEL NOTE

THE CONTACTOR IS NOT TO DAMAGE AREAS
OUTSELOF THER AMERICATE WORK SITE EST-RELISH
APPRISE OF THER AMERICATE WORK SITE AS SIRM OF
EXPERISHMENT AN UNION SITE AS SIRM OF
COMMISSION LINE AFFERDATION TO THE AFFERDATION THE AFFERDATION TO THE AFFERDATION TO THE AFFERDATION TO THE AFFER

