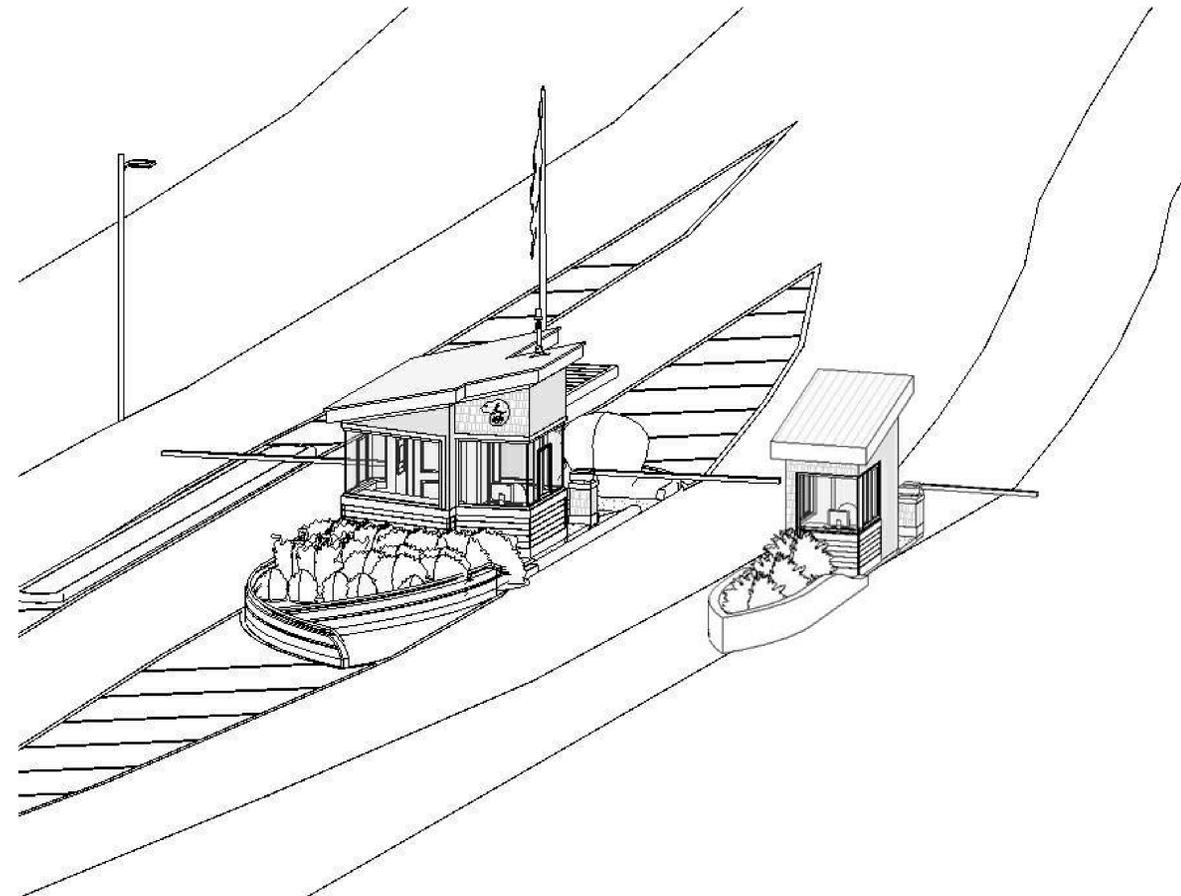


PARKS CANADA AGENCY

PARKS CANADA ENTRANCES & KIOSKS GRAHAM'S LANE



ARCHITECTURAL

- A0 COVER PAGE
- A1 PLANS AND ELEVATIONS (SMALL KIOSK)
- A2 PLANS AND ELEVATIONS (LARGE KIOSK)
- A3 BUILDING SECTIONS, WALL SECTIONS AND DETAILS
- A4 WINDOW & DOOR SCHEDULES, ELEVATIONS AND MILLWORK

CIVIL

- C1 EXISTING SITE PLAN, NEW SITE PLAN, DETAILS & NOTES
- C2 SITE DETAILS & NOTES
- C3 SITE DETAILS & NOTES

MECHANICAL

- M1 MECHANICAL PLANS, DETAILS, AND SCHEDULES

ELECTRICAL

- E1 ELECTRICAL SITE PLAN & DETAILS
- E2 ELECTRICAL TRENCH DETAILS
- E3 ELECTRICAL FLOOR PLANS & DETAILS

revisions	date

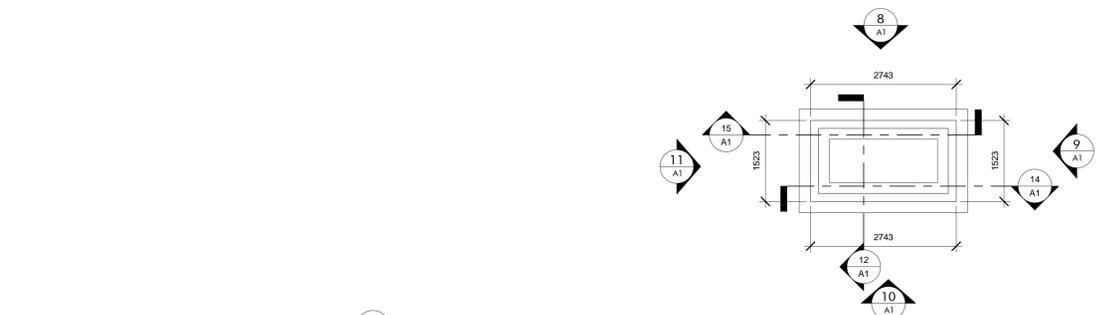
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drawing	dessin

COVER PAGE	
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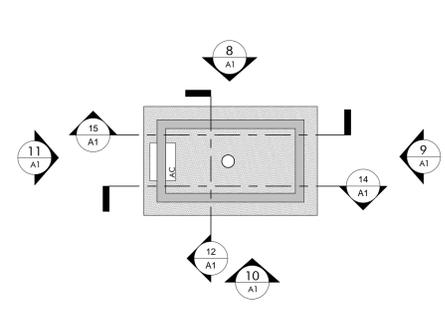
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date	AUG. 16, 2018	
drawn	K.M.	dessiné
date	AUG. 16, 2018	
approved	W.S.	approuvé
date	AUG. 16, 2018	

Tender	Submission
PWSSC Project Manager	Administrateur de projets TPSSC
project number	no. du projet
181090	

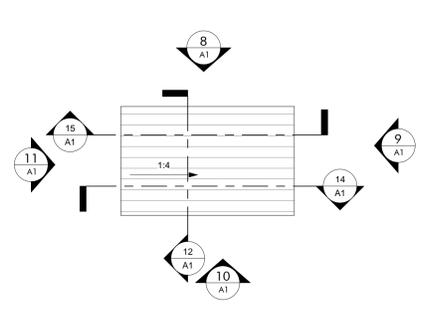
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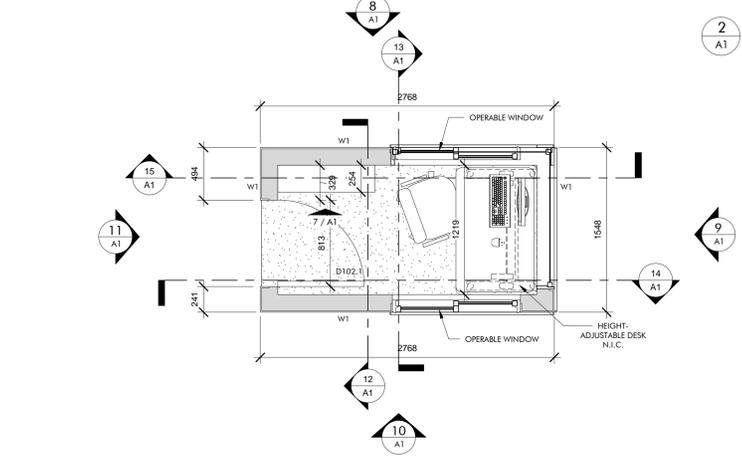
2 FOUNDATION PLAN
1:50



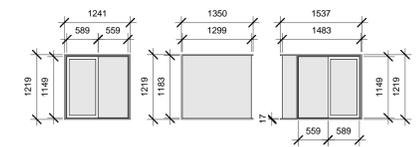
3 REFLECTED CEILING PLAN
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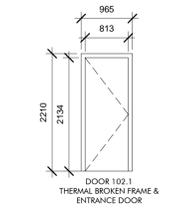
4 ROOF PLAN
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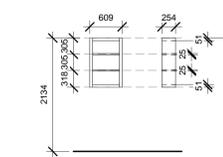
1 MAIN FLOOR PLAN
1:25



5 WINDOW ELEVATIONS
1:50



6 DOOR ELEVATION
1:50



7 MILLWORK
1:50

ELEVATION MATERIAL LEGEND

- VICWEST METAL ROOFING: PROFILE: TRADITION 100-4 COLOR: REGENT GRAY #5689Z
- MAIBEC PREFINISHED CEDAR SHINGLE: MAIBEC TRADITIONAL COLOR: BAR HARBOUR NATURAL
- MAIBEC PREFINISHED WOOD SIDING: MAIBEC BRUSHED MODERN COLOUR - MAIBEC 001, ULTRA-WHITE
- 200mm MAIBEC WOOD FASCIA: COLOR: BRUSHED 001, ULTRA-WHITE
- 200mm MAIBEC WOOD FROST BOARD: COLOR: BRUSHED 001, ULTRA-WHITE
- 150mm MAIBEC WOOD TRIM: COLOR: BRUSHED 001, ULTRA-WHITE
- PREFINISHED METAL OUTSIDE CORNER - MAIBEC

DOOR 102.1 HARDWARE SCHEDULE

QTY	EA	DESCRIPTION	QTY	UNIT
3	EA	HINGE 5881 1.1x1.1x120MM NRP	430	NF
1	EA	STOREROOM LOCK L9080GD 17A	626	SCH
1	EA	OH STOP 905	630	GLY
1	EA	SURFACE CLOSER 4040XP-LONG	489	LCN
1	EA	MITG FLT 4040XP-180	489	LCN
1	SET	WEATHERSTRIP W-1.4 door width @ 21 door height	628	KNC
1	EA	DOOR SCHEDULE W-245 x by door width	628	KNC
1	EA	THRESHOLD CT - 39" x by door width	627	KNC

WALL SCHEDULE

TYPE	DESCRIPTION	REMARKS
W1	EXTERIOR CEDAR FINISH (REFER TO ELEVATIONS) -CEDAR BREATHER -CONTINUOUS NOVAWRAP AIR BARRIER -12.5mm INTERIOR PLYWOOD SHEATHING -38mm x 150mm WOOD STUDS AT 16" O.C. -R-20 BATT INSULATION -10mil POLY VAPOUR -16mm GYPSUM WALL BOARD PAINTED	

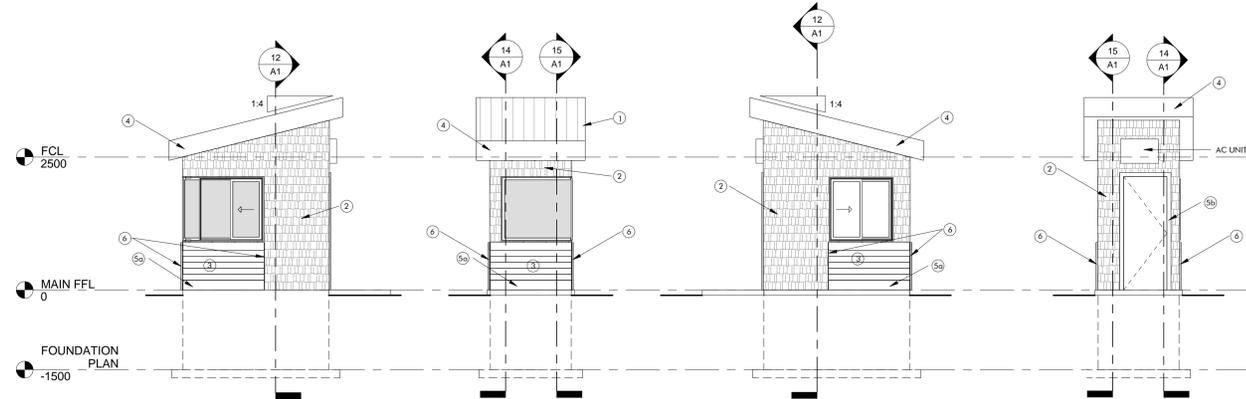
ROOF TYPE SCHEDULE

TYPE	DESCRIPTION	REMARKS
R1	-VICWEST METAL ROOFING: PROFILE: TRADITION 100-4 COLOR: REGENT GRAY #5689Z -PEEL AND STICK NON-PERMEABLE MEMBRANE -5/8" PLYWOOD SHEATHING -38mm x 200mm WOOD RAFTER -R-20 BATT INSULATION -10mil POLY VAPOUR BARRIER -16mm GYPSUM WALL BOARD PAINTED	

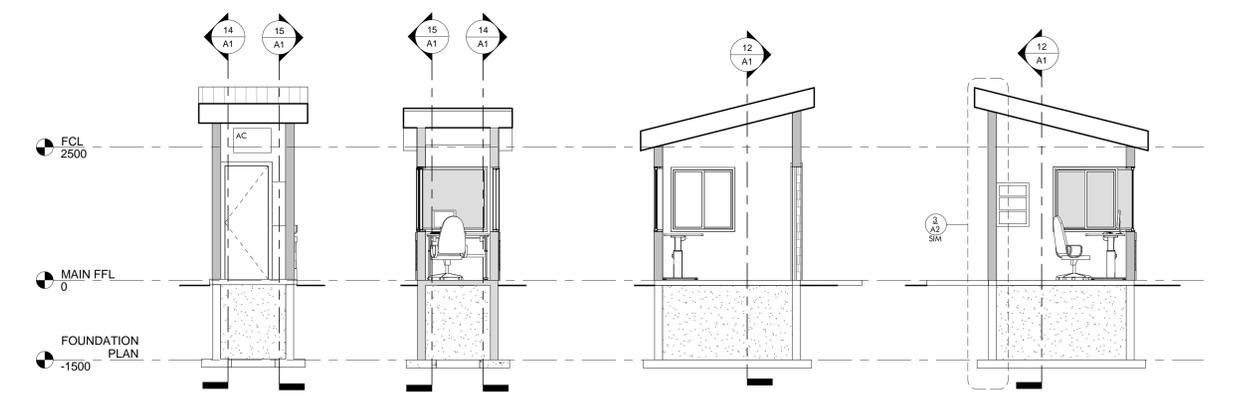
FLOOR TYPE SCHEDULE

TYPE	DESCRIPTION	REMARKS
F1	-CERAMIC TILE FLOOR -100mm REINFORCED CONCRETE SLAB -10mil POLY VAPOUR BARRIER (TAPED AND SEALED) -100mm CLASS GRAVEL COMPACTED TO 100% SPMD -APPROVED UNDISTRIBUTED FILL OR 300mm STRUCTURAL FILL COMPACTED TO 100% SPMD	

- FLOOR PLAN NOTES:**
- ALL PENETRATIONS IN BATED PARTITIONS AND/OR FLOOR ASSEMBLIES FOR PLUMBING, DUCTING OR ELECTRICAL RUNS ARE TO BE SEALED. FIRE STOP IN ACCORDANCE WITH WALL AND/OR FLOOR TYPES. SUBMIT LIC. DETAILS AND MATERIALS SUBS. SHOP DRAWING PROCESS FOR REVIEW PRIOR TO INSTALLATION.
 - PROVIDE 5/8" WATERPROOF GIBS AROUND ALL TUBS/SHOWERS.
 - VENT ALL FANS TO OUTSIDE AIR THROUGH VENT C/W HOOD.
 - DOORS, FRAMES AND HARDWARE TO MATCH WALL FIRE RESISTANCE RATING.



8 NORTH ELEVATION 1:50
9 EAST ELEVATION 1:50
10 SOUTH ELEVATION 1:50
11 WEST ELEVATION 1:50



12 SECTION A 1:50
13 SECTION B 1:50
14 SECTION C 1:50
15 SECTION D 1:50



revisions	date

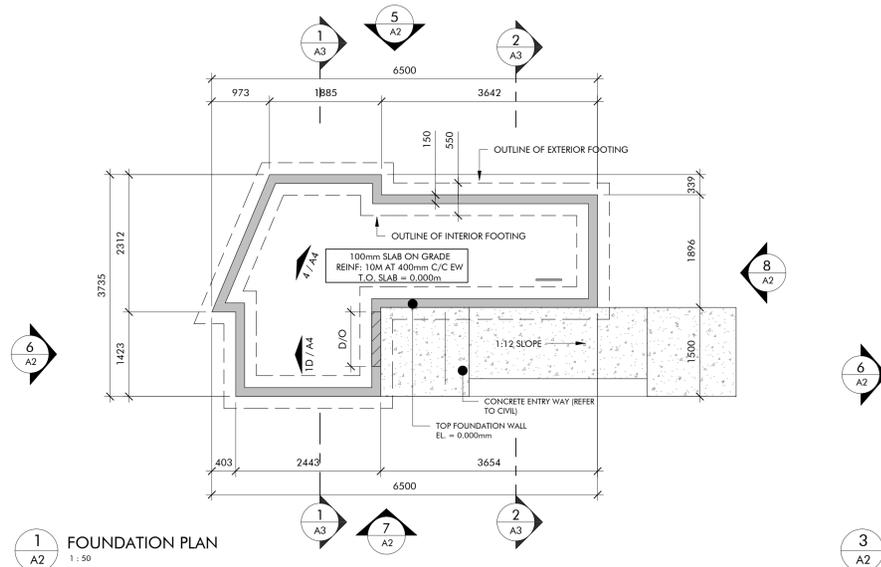
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**PARKS CANADA
AGENCY ENTRANCES
& KIOSKS GRAHAM'S
LANE CAVENDISH, PE**

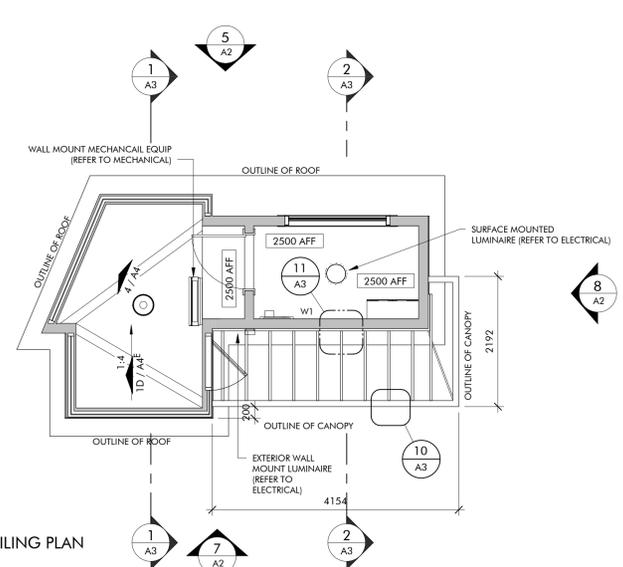
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**PLANS AND
ELEVATIONS
(SMALL KIOSK)**

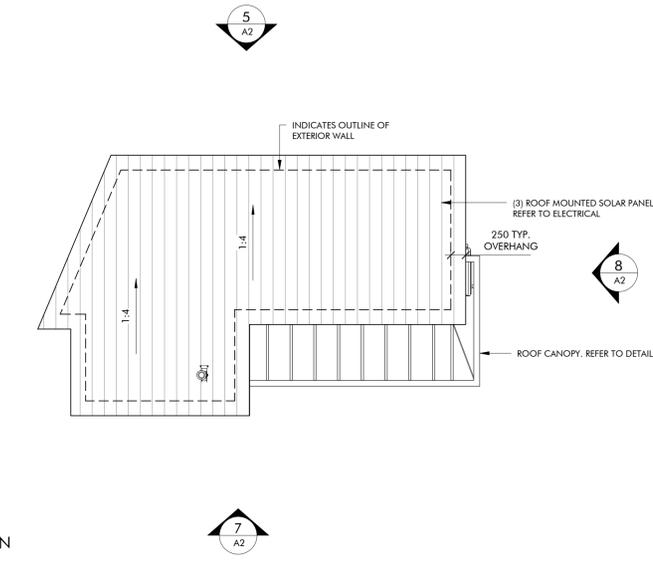
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date AUG. 16, 2018
drawn K.M. design
date AUG. 16, 2018
approved W.S. approved
date AUG. 16, 2018
Tender Submission
PWSSC Project Manager Administrateur de projets TPSSC
project number no. du projet
181090
drawing no. no. du dessin
A1



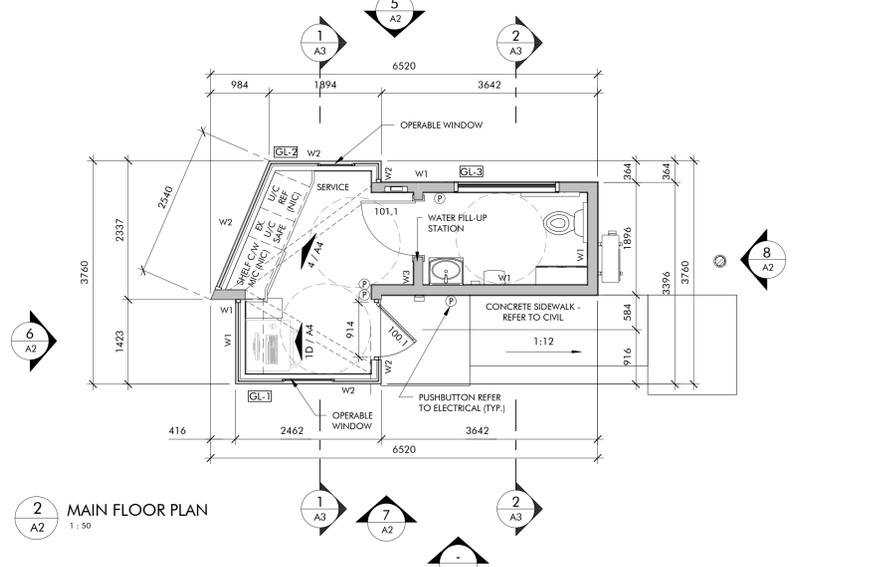
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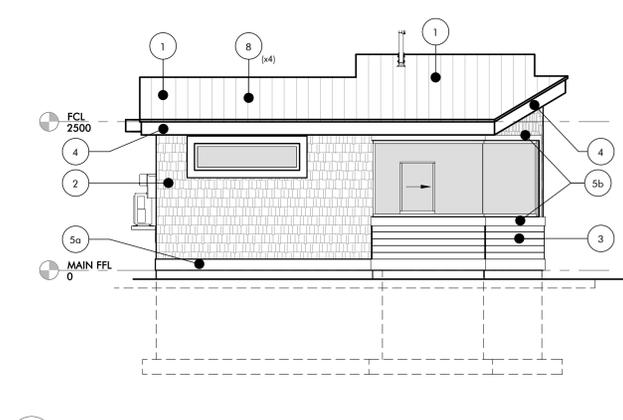
3 REFLECTED CEILING PLAN
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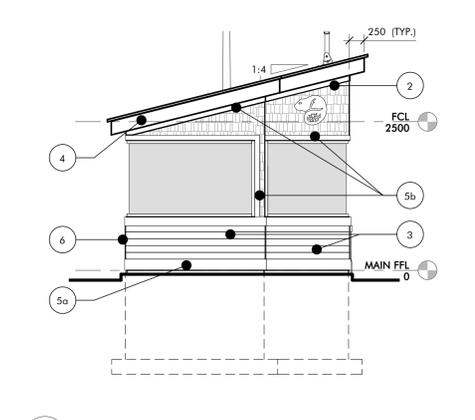
4 ROOF PLAN
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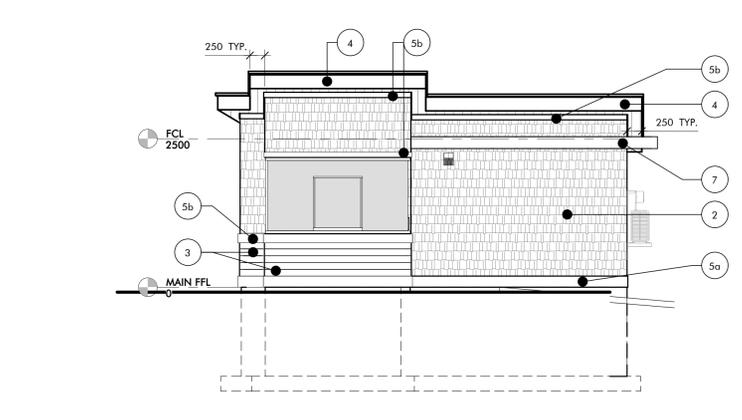
2 MAIN FLOOR PLAN
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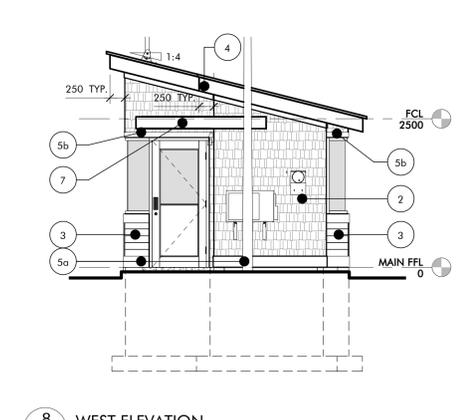
5 SOUTH ELEVATION
1:50



6 EAST ELEVATION
1:50



7 NORTH ELEVATION
1:50



8 WEST ELEVATION
1:50

- LEGEND**
- NEW PARTITION (REFER TO FLOOR PLAN FOR WALL TYPE)
 - UNIT TAG AND NUMBER
 - DOOR TAG
 - WALL TAG
 - 1 HR FIRE RESISTANCE RATING (REFER TO WALL SCHEDULE)
 - 2 HR FIRE RESISTANCE RATING (REFER TO WALL SCHEDULE)
 - BARRIER FREE PUSHBUTTON

- FLOOR PLAN NOTES**
- ALL PENETRATIONS IN RATED PARTITIONS AND/OR FLOOR ASSEMBLIES FOR PLUMBING, DUCTING OR ELECTRICAL RUNS ARE TO BE SEALED. FIRE STOP IN ACCORDANCE WITH WALL AND/OR FLOOR TYPES. SUBMIT ULC DETAILS AND MATERIALS DURING SHOP DRAWING PROCESS FOR REVIEW PRIOR TO INSTALLATION.
 - VENT ALL FANS TO OUTSIDE AIR THROUGH VENT C/W HOOD.
 - DOORS, FRAMES AND HARDWARE TO MATCH WALL FIRE RESISTANCE RATING.

TYPE	DESCRIPTION	REMARKS
W1	- EXTERIOR CEDAR FINISH (REFER TO ELEVATIONS) - CEDAR BREATHER - CONTINUOUS NOVAWRAP AIR BARRIER - 12.5mm EXTERIOR PLYWOOD SHEATHING - 38mm x 150mm WOOD STUDS AT 16" O.C. - R20 BATT INSULATION - 10mil POLY VAPOUR - 16mm GYPSUM WALL BOARD PAINTED	
W2	- EXTERIOR WOOD SIDING (REFER TO ELEVATIONS) - 19mm x 64mm WOOD STRAPPING - CEDAR BREATHER - CONTINUOUS NOVAWRAP AIR BARRIER - 12.5mm EXTERIOR PLYWOOD SHEATHING - 38mm x 150mm WOOD STUDS AT 16" O.C. - R20 BATT INSULATION - 10mil POLY VAPOUR - 16mm GYPSUM WALL BOARD PAINTED	
W3	- 16mm GYPSUM WALL BOARD - PAINTED - 38mm x 150mm WOOD STUD - 16mm GYPSUM WALL BOARD - PAINTED	

TYPE	DESCRIPTION	REMARKS
R1	- VICWEST METAL ROOFING; PROFILE-TRADITION 100-4 COLOR-REGENT GRAY #56082 - FREE AND STICK NON-PERMEABLE MEMBRANCE - 5/8" PLYWOOD SHEATHING - 38mm x 200mm WOOD RAFTER - R20 BATT INSULATION - 10mil POLYVAPOUR BARRIER - 16mm GYPSUM WALL BOARD PAINTED	

TYPE	DESCRIPTION	REMARKS
F1	- CERAMIC TILE FLOOR - 100mm REINFORCED CONCRETE SLAB - 10mil POLYVAPOUR BARRIER (TARED AND SEALED) - 100mm CLASS GRAVEL COMPACTED TO 100% SPMD - APPROVED UNDISTRUBBED FILL OR 300mm STRUCTURAL FILL COMPACTED TO 100% SPMD	

ELEVATION MATERIAL LEGEND

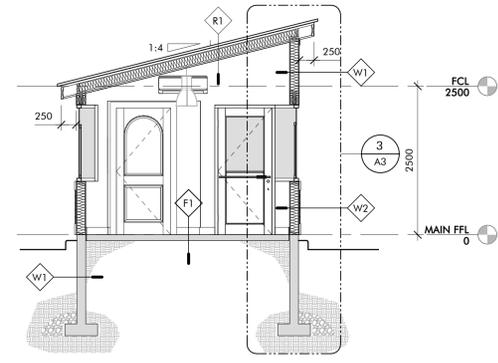
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2	MAIBEC PREFINISHED CEDAR SHINGLE; MAIBEC TRADITIONAL COLOR: BAR HARBOUR NATURAL
3	MAIBEC PREFINISHED WOOD SIDING; MAIBEC BRUSHED MODERN COLOR - MAIBEC 001, ULTRA WHITE
4	250mm MAIBEC WOOD FASCIA; COLOR - BRUSHED 001, ULTRA WHITE
5a	200mm MAIBEC WOOD FROST BOARD; COLOR - BRUSHED 001, ULTRA WHITE
5b	150mm MAIBEC WOOD TRIM; COLOR - BRUSHED 001, ULTRA WHITE
6	PREFINISHED METAL OUTSIDE CORNER - MAIBEC
7	CANOPY - REFER TO DETAILS
8	BLACK ALUMINUM SIGNAGE (BY OWNER)



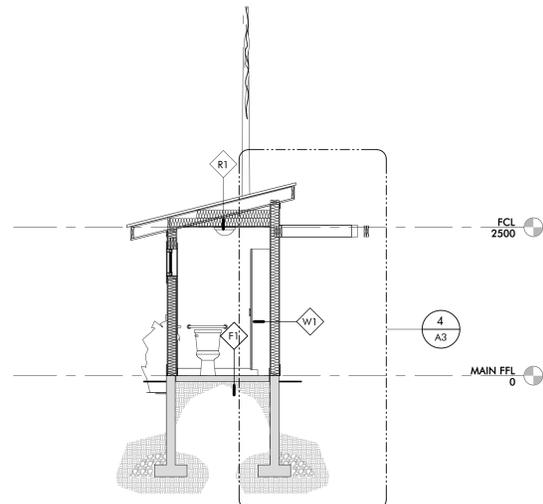
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drawing: _____ project: _____
**PARKS CANADA
AGENCY ENTRANCES &
KIOSKS GRAHAM'S
LANE CAVENDISH, PE**

drawing: _____ dessin: _____
**PLANS AND
ELEVATIONS
(LARGE KIOSK)**

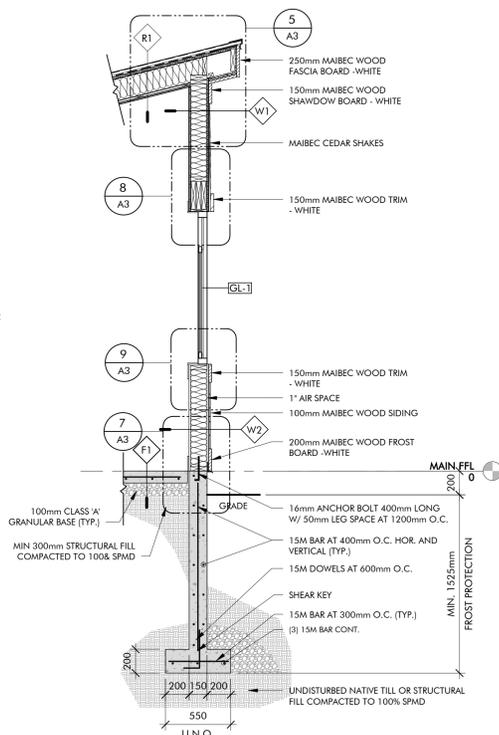
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date: AUG. 16, 2018
drawn: R.C.P. / K.M. dessiné: _____
date: AUG. 16, 2018
approved: W.S. approuvé: _____
date: AUG. 16, 2018
Tender: _____ Soumission: _____
PWGSC Project Manager / Administrateur de projets TPSCG
project number: 181090 no. du projet: _____
drawing no: _____ no. du dessin: _____



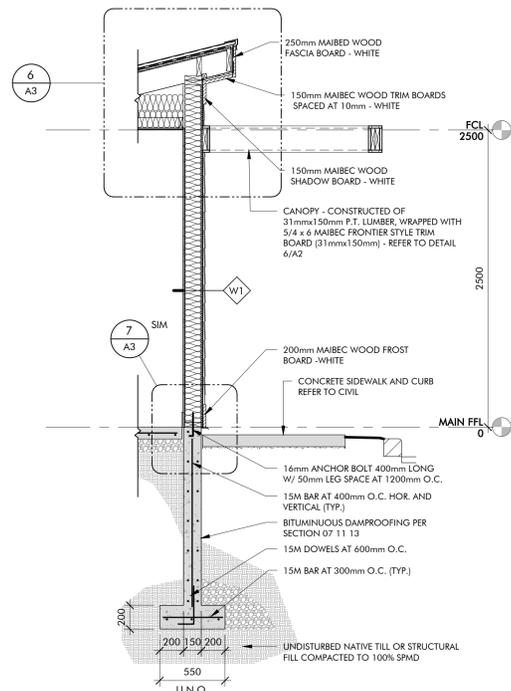
1 SECTION A
1:50



2 SECTION B
1:50



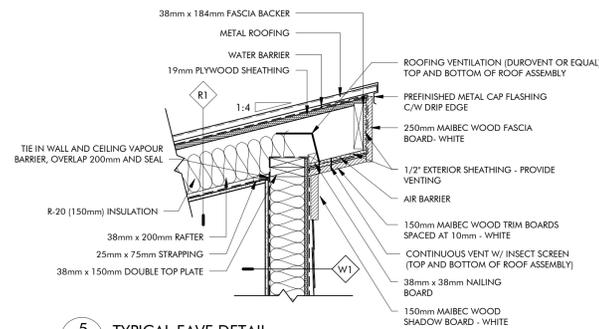
3 WALL SECTION A
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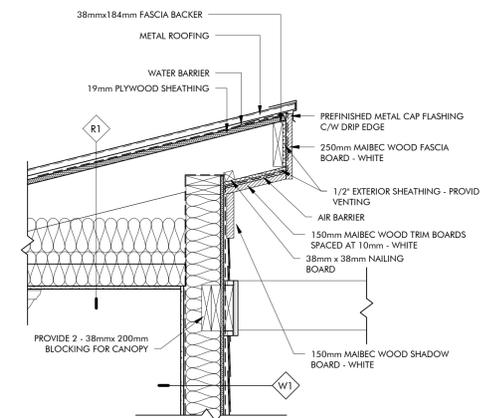
4 WALL SECTION B
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TYPE	DESCRIPTION	REMARKS
W1	- EXTERIOR CEDAR FINISH (REFER TO ELEVATIONS) - CEDAR BREATHER - CONTINUOUS NOVAWRAP AIR BARRIER - 12.5mm EXTERIOR PLYWOOD SHEATHING - 38mm x 150mm WOOD STUDS AT 16" O.C. - R20 BATT INSULATION - 10mil POLY VAPOUR - 16mm GYPSUM WALL BOARD PAINTED	
W2	- EXTERIOR WOOD SIDING (REFER TO ELEVATIONS) - 19mm x 64mm WOOD STRAPPING - CEDAR BREATHER - CONTINUOUS NOVAWRAP AIR BARRIER - 12.5mm EXTERIOR PLYWOOD SHEATHING - 38mm x 150mm WOOD STUDS AT 16" O.C. - R20 BATT INSULATION - 10mil POLY VAPOUR - 16mm GYPSUM WALL BOARD PAINTED	
W3	- 16mm GYPSUM WALL BOARD - PAINTED - 38mm x 150mm WOOD STUD - 16mm GYPSUM WALL BOARD - PAINTED	

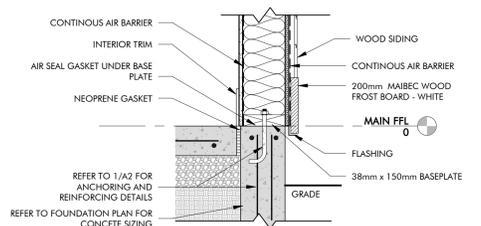
TYPE	DESCRIPTION	REMARKS
R1	- VICWEST METAL ROOFING, PROFILE: TRADITION 100-4 COLOR: REGENT GRAY #56082 - PEEL AND STICK NON-PERMEABLE MEMBRANCE - 5/8" PLYWOOD SHEATHING - 38mm x 200mm WOOD RAFTER - R20 BATT INSULATION - 10mil POLY VAPOUR BARRIER - 16mm GYPSUM WALL BOARD PAINTED	
F1	- CERAMIC TILE FLOOR - 100mm REINFORCED CONCRETE SLAB - 10mil POLY VAPOUR BARRIER (TAPED AND SEALED) - 100mm GLASS GRAVEL COMPACTED TO 100% SPMD - APPROVED UNDISTURBED FILL OR 300mm STRUCTURAL FILL COMPACTED TO 100% SPMD	



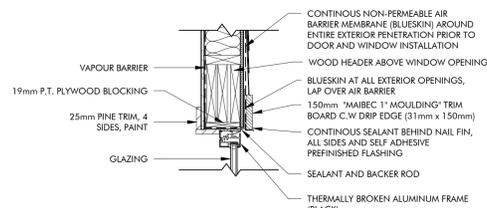
5 TYPICAL EAVE DETAIL
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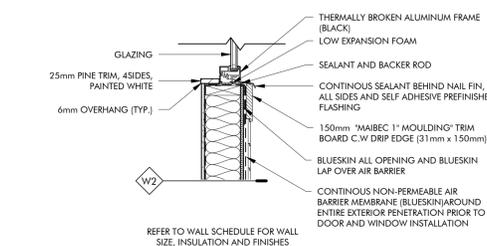
6 EAVE DETAIL #2
1:12



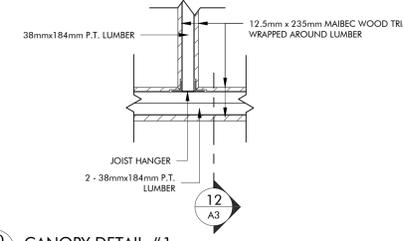
7 WALL TO FOUNDATION DETAIL
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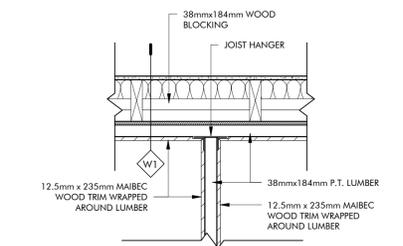
8 WINDOW HEAD DETAIL
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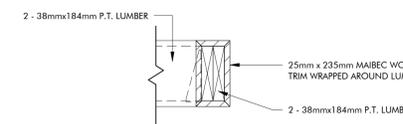
9 WINDOW SILL DETAIL
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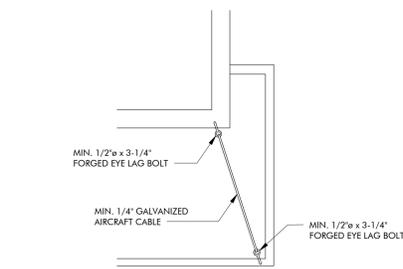
10 CANOPY DETAIL #1
1:10



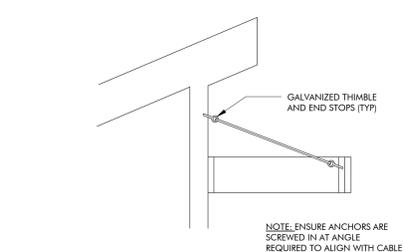
11 CANOPY DETAIL #2
1:10



12 CANOPY SECTION #1
1:10



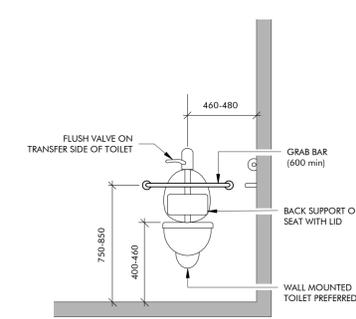
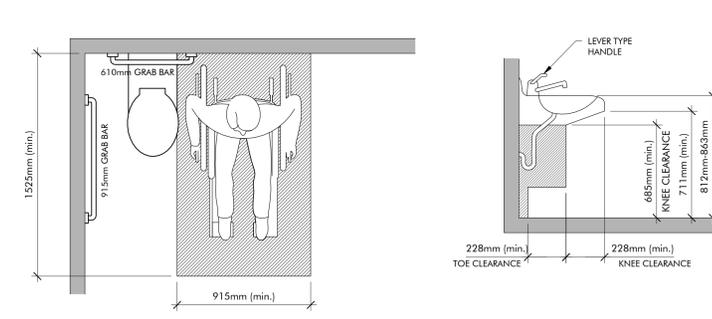
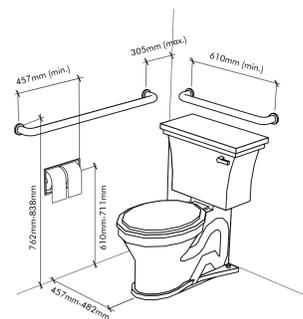
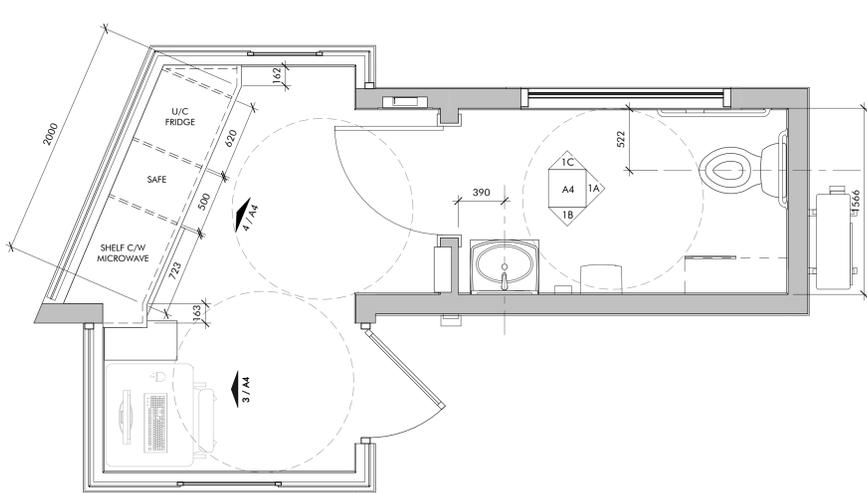
13 CANOPY DETAIL 1
1:50



14 CANOPY DETAIL 2
1:50



revisions	date	project
PARKS CANADA AGENCY ENTRANCES & KIOSKS GRAHAM'S LANE CAVENDISH, PE		
BUILDING SECTIONS, WALL SECTIONS AND DETAILS		
designed	R.C.P. / K.M.	conçu
date	AUG. 16, 2018	
drawn	R.C.P. / K.M.	dessiné
date	AUG. 16, 2018	
approved	W.S.	approuvé
date	AUG. 16, 2018	
Tender		Soumission
PWGC Project Manager	Administrateur de projets TPSC	
project number	181090	no. du projet
drawing no	A3	no. du dessin



NOTE:
ALL ACCESSORIES TO BE SUPPLIED AND INSTALLED AS PER CSA 651-12.

1 ENLARGED PLAN
1:25
A4

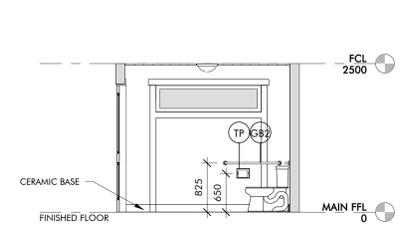
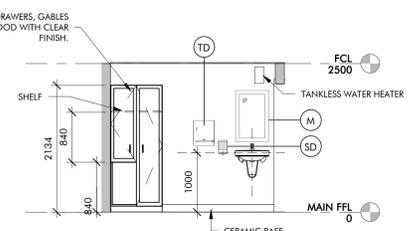
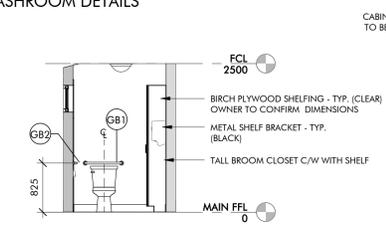
2 CSA BARRIER FREE WASHROOM DETAILS
1:20
A4

- CASEWORK NOTES**
- CABINETS INTERIOR TYPICAL: 19mm PLYWOOD, (WHITE) NO EXPOSED EDGES
 - CABINET DOORS, DRAWERS, GABLES & EXPOSED SHELVES TYPICAL: 19mm PLYWOOD WITH PLASTIC LAMINATE.
 - COUNTERTOP: 19mm PLYWOOD WITH PLASTIC LAMINATE. REFER TO MILLWORK DRAWINGS.
 - STANDARDS FOR SHELVES TO BE RECESSED.
 - HARDWARE AS PER SPECIFICATIONS
 - USE ONLY FULL P-LAM SHEETS WHERE POSSIBLE.
 - PROVIDE FULL WIDTH 19mm PLYWOOD DIVIDERS (HORIZONTALLY) BETWEEN EACH DRAWER.

ACCESSORIES LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
GB1	610mm GRAB BAR	750mm-850mm
GB2	914mm GRAB BAR	750mm-850mm
M	MIRROR	BASE = 1000mm MAX
PD	PAPER TOWEL DISPENSOR	1000mm
SD	SOAP DISPENSOR	1000mm
TP	TOILET PAPER DISPENSOR	1000mm

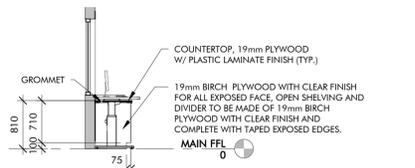
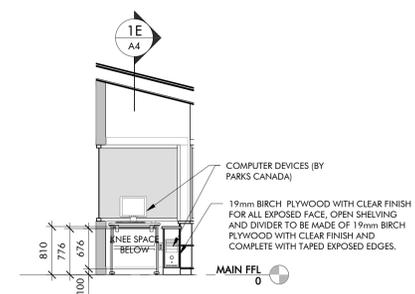
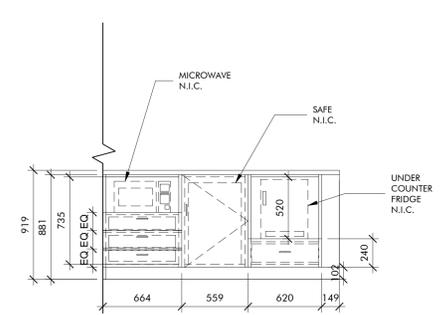
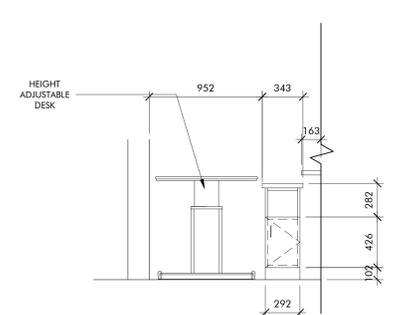
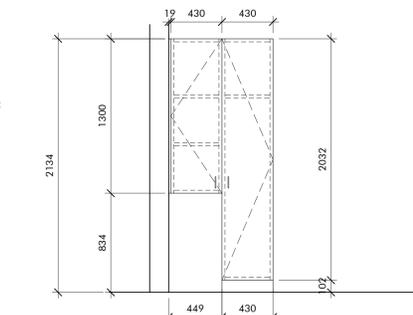
(XX) - "XX" = SYMBOL
NOTE:
CONFIRM ALL ACCESSORIES COMPLY WITH CSA STANDARDS PRIOR TO INSTALLATION.



1A BATHROOM ELEVATION 'A'

1B BATHROOM ELEVATION 'B'

1C BATHROOM ELEVATION 'C'



1D WORKSTATION ELEVATION 1

1E WORKSTATION SECTION

3 MILLWORK ELEVATION 1
1:25
A4

4 MILLWORK ELEVATION 2
1:25
A4

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR			WALLS								CEILINGS		
		MAT.	FIN.	BASE	NORTH		EAST		SOUTH		WEST		MAT.	FIN.	HEIGHT (mm)
100	WORKSTATION	CT	CT	CT	GWB	PT	GWB	PT	GWB	PT	GWB	PT	GWB	PT	REFER TO SECTION
101	BATH	CT	CT	CT	GWB	PT	GWB	PT	GWB	PT	GWB	PT	GWB	PT	2450mm AFF

ROOM FINISH ABBREVIATIONS

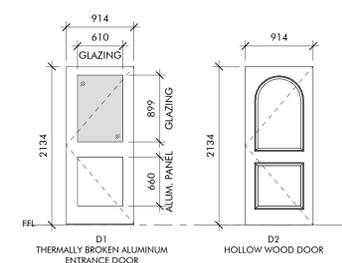
FLOOR		WALL		CEILING	
ABBR		ABBR		ABBR	
CT	CERAMIC TILE	PT	PAINT	GWB	GYPSUM WALL BOARD - PAINTED
		GWB	GYPSUM WALL BOARD - PAINTED	PT	PAINT

DOOR SCHEDULE AND FRAME SCHEDULE

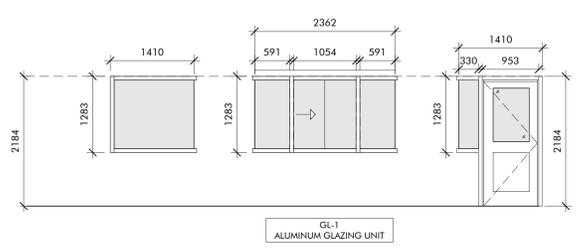
DOOR NO.	TYPE	WIDTH (mm)	HEIGHT (mm)	DOOR			FRAME			COMMENTS
				THICKNESS (mm)	MATERIAL	FINISH	GLASS TYPE	MATERIAL	FINISH	
100.1	D-1	914	2134	51	ALUM	ANOD	GL-1	ALUM-TB		
101.1	D-2	914	2134	35	WD	PT	GL-1	WD	PT	
102.1	D-3	813	2134	51	FIBREGLASS	PT		WD	PT	

DOOR & FRAME SCHEDULE ABBREVIATIONS

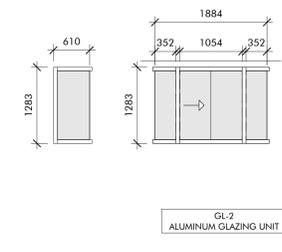
ALUM	ALUMINIUM
ANOD	ANODIZED
GL-1	INSULATED
GL-T	TEMPERED GLASS - CLEAR
PS	PRESS STEEL
PS-TB	PRESS STEEL - THERMALLY BROKEN
PT	PAINT



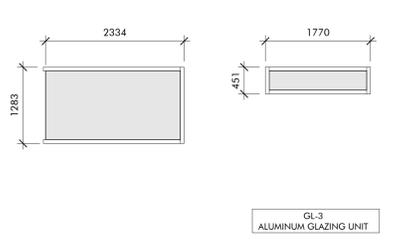
DOOR ELEVATIONS



GL-1 ALUMINUM GLAZING UNIT ELEVATION



GL-2 ALUMINUM GLAZING UNIT ELEVATION



GL-3 ALUMINUM GLAZING UNIT ELEVATION

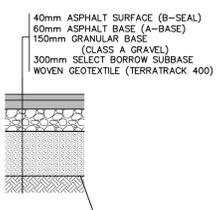


revisions	date

PARKS CANADA
AGENCY ENTRANCES &
KIOSKS GRAHAM'S
LANE CAVENDISH, PE

WINDOW &
DOOR
SCHEDULES,
ELEVATIONS
AND MILLWORK

designed	R.C.P. / K.M.	conçu
date	AUG. 16, 2018	
drawn	R.C.P. / K.M.	dessiné
date	AUG. 16, 2018	
approved	W.S.	approuvé
date	AUG. 16, 2018	
Tender	Soumission	
PWGC Project Manager	Administrateur de projets TPSCG	
project number	181090	no. du projet
drawing no	A4	no. du dessin



1 ASPHALT SCHEDULE
 SCALE: 1:20

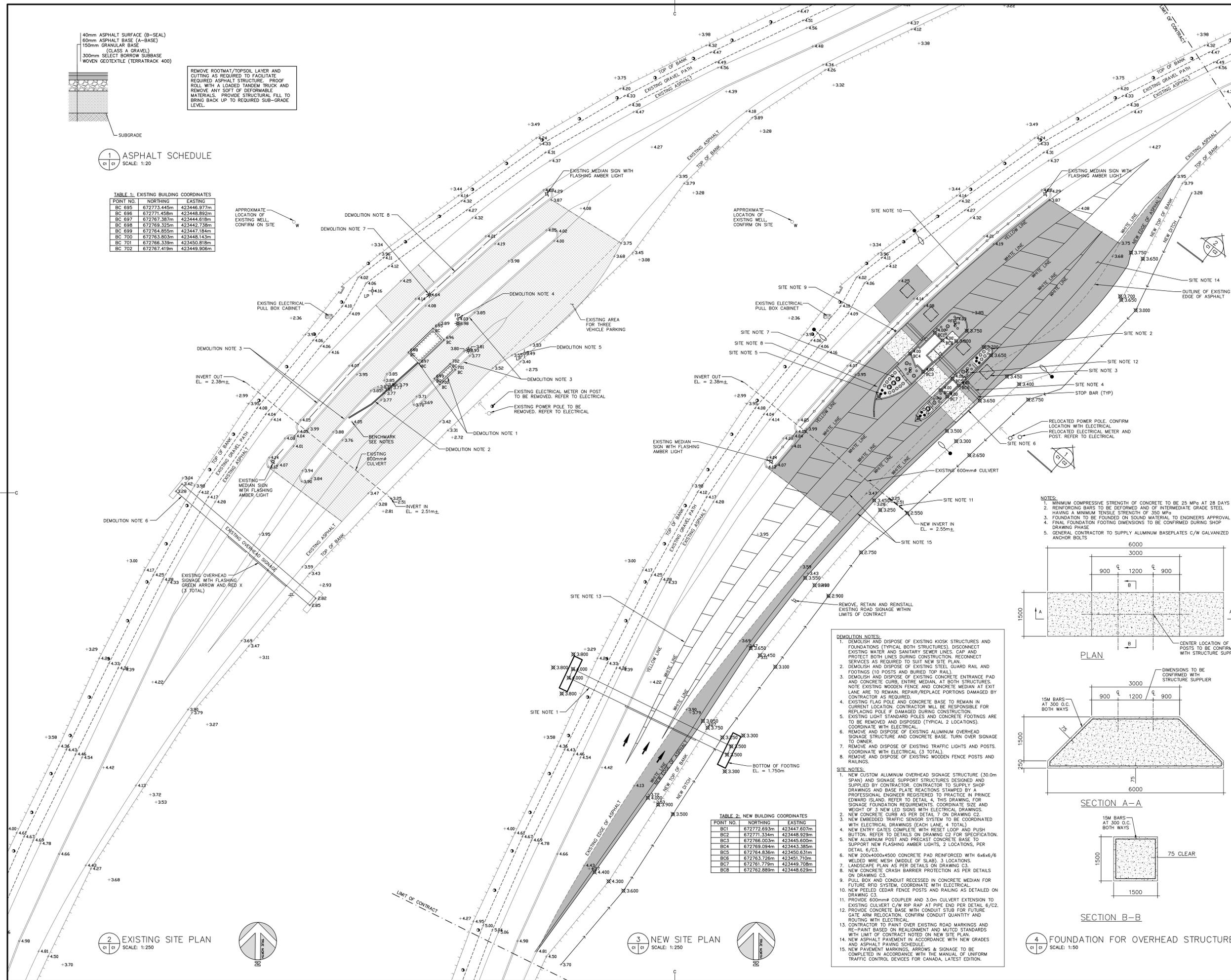
TABLE 1: EXISTING BUILDING COORDINATES

POINT NO.	NORTHING	EASTING
BC 695	672773.445m	423446.977m
BC 696	672771.458m	423448.892m
BC 697	672767.397m	423444.618m
BC 698	672769.325m	423442.738m
BC 699	672764.855m	423447.184m
BC 700	672763.803m	423448.143m
BC 701	672766.339m	423450.818m
BC 702	672767.419m	423449.906m

2 EXISTING SITE PLAN
 SCALE: 1:250

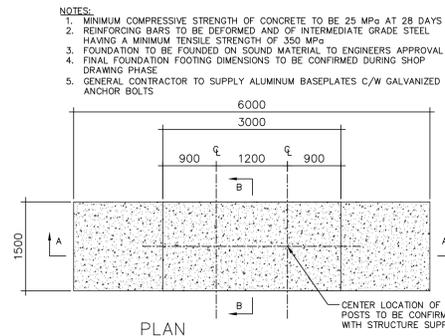
3 NEW SITE PLAN
 SCALE: 1:250

4 FOUNDATION FOR OVERHEAD STRUCTURE
 SCALE: 1:50



LEGEND

- EXISTING ASPHALT
- NEW ASPHALT
- EXISTING ROAD MARKINGS
- NEW ROAD MARKINGS
- EXISTING GRAVEL PATH
- TOP OF BANK
- EXISTING FENCE
- NEW FENCE
- EXISTING BUILDING OUTLINE
- EXISTING CULVERT
- EXISTING GRADE
- PROPOSED GRADE
- EXISTING FLAG POLE
- EXISTING WELL
- EXISTING TRAFFIC LIGHT
- EXISTING FLASHING AMBER
- EXISTING WOODEN POST
- EXISTING POWER POLE
- EXISTING LIGHT POST
- NEW ASPHALT FINISH
- NEW CAST IN PLACE CONCRETE
- LANDSCAPED FINISH



DEMOLITION NOTES:

- DEMOLISH AND DISPOSE OF EXISTING KIOSK STRUCTURES AND FOUNDATIONS (TYPICAL BOTH STRUCTURES). DISCONNECT EXISTING WATER AND SANITARY SEWER LINES. CAP AND PROTECT BOTH LINES DURING CONSTRUCTION. RECONNECT SERVICES AS REQUIRED TO SUIT NEW SITE PLAN.
- DEMOLISH AND DISPOSE OF EXISTING STEEL GUARD RAIL AND FOOTINGS (10 POSTS AND BURIED TOP RAIL)
- DEMOLISH AND DISPOSE OF EXISTING CONCRETE ENTRANCE PAD AND CONCRETE CURB ENTIRE MEDIAN, AT BOTH STRUCTURES. NOTE EXISTING WOODEN FENCE AND CONCRETE MEDIAN AT EXIT LANE ARE TO REMAIN. REPAIR/REPLACE PORTIONS DAMAGED BY CONTRACTOR AS REQUIRED.
- EXISTING FLAG POLE AND CONCRETE BASE TO REMAIN IN CURRENT LOCATION. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING POLE IF DAMAGED DURING CONSTRUCTION.
- EXISTING LIGHT STANDARD POLES AND CONCRETE FOOTINGS ARE TO BE REMOVED AND DISPOSED (TYPICAL 2 LOCATIONS). COORDINATE WITH ELECTRICAL.
- REMOVE AND DISPOSE OF EXISTING ALUMINUM OVERHEAD SIGNAGE STRUCTURE AND CONCRETE BASE. TURN OVER SIGNAGE TO OWNER.
- REMOVE AND DISPOSE OF EXISTING TRAFFIC LIGHTS AND POSTS. COORDINATE WITH ELECTRICAL (3 TOTAL).
- REMOVE AND DISPOSE OF EXISTING WOODEN FENCE POSTS AND RAILINGS.

SITE NOTES:

- NEW CUSTOM ALUMINUM OVERHEAD SIGNAGE STRUCTURE (30.0m SPAN) AND SIGNAGE SUPPORT STRUCTURES DESIGNED AND SUPPLIED BY CONTRACTOR. CONTRACTOR TO SUPPLY SHOP DRAWINGS AND BASE PLATE REACTIONS STAMPED BY A PROFESSIONAL ENGINEER REGISTERED TO PRACTICE IN PRINCE EDWARD ISLAND. REFER TO DETAIL 4, THIS DRAWING, FOR SIGNAGE FOUNDATION REQUIREMENTS, COORDINATE SIZE AND WEIGHT OF 3 NEW LED SIGNS WITH ELECTRICAL DRAWINGS.
- NEW CONCRETE CURBS AS PER DETAIL 7 ON DRAWING C2.
- NEW EMBEDDED TRAFFIC SENSOR SYSTEM TO BE COORDINATED WITH ELECTRICAL DRAWINGS (EACH LANE, 4 TOTAL).
- NEW ENTRY GATES COMPLETE WITH RESET LOOP AND PUSH BUTTON. REFER TO DETAILS ON DRAWING C2 FOR SPECIFICATION.
- NEW ALUMINUM POST AND PRECAST CONCRETE BASE TO SUPPORT NEW FLASHING AMBER LIGHTS, 2 LOCATIONS, PER DETAIL 6/C3.
- NEW 200x400x4500 CONCRETE PAD REINFORCED WITH 6x6x6/6 WELDED WIRE MESH (MIDDLE OF SLAB), 3 LOCATIONS.
- LANDSCAPE PLAN AS PER DETAILS ON DRAWING C3.
- NEW CONCRETE CRASH BARRIER PROTECTION AS PER DETAILS ON DRAWING C3.
- PULL BOX AND CONDUIT RECESSED IN CONCRETE MEDIAN FOR FUTURE RFD SYSTEM. COORDINATE WITH ELECTRICAL.
- NEW PEELLED CEDAR FENCE POSTS AND RAILING AS DETAILED ON DRAWING C3.
- PROVIDE 600mm COUPLER AND 3.0m CULVERT EXTENSION TO EXISTING CULVERT C/W RIP RAP AT PIPE END PER DETAIL 6/C2.
- PROVIDE CONCRETE BASE WITH CONDUIT STUB FOR FUTURE GATE ARM RELOCATION. CONFIRM CONDUIT QUANTITY AND ROUTING WITH ELECTRICAL.
- CONTRACTOR TO PAINT OVER EXISTING ROAD MARKINGS AND RE-PAINT BASED ON REALIGNMENT AND MUTCD STANDARDS WITH LIMIT OF CONTRACT NOTED ON NEW SITE PLAN.
- NEW ASPHALT PAVEMENT IN ACCORDANCE WITH NEW GRADES AND ASPHALT PAVING SCHEDULE.
- NEW PAVEMENT MARKINGS, ARROWS & SIGNAGE TO BE COMPLETED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR CANADA, LATEST EDITION.

TABLE 2: NEW BUILDING COORDINATES

POINT NO.	NORTHING	EASTING
BC1	672772.693m	423447.607m
BC2	672771.334m	423448.929m
BC3	672766.003m	423445.600m
BC4	672769.094m	423443.385m
BC5	672764.836m	423450.631m
BC6	672763.726m	423451.710m
BC7	672761.779m	423449.708m
BC8	672762.889m	423448.629m

0 ISSUED FOR TENDER 08/23/2018

revisions: [] date

project: **PARKS CANADA AGENCY ENTRANCES & KIOSKS GRAHAM'S LANE CAVENDISH, PE**

drawing: [] design

EXISTING SITE PLAN, NEW SITE PLAN, DETAILS & NOTES

designed SPM, E.I.T. conqru

date August 23, 2018

drawn SPM, E.I.T. dessiné

date August 23, 2018

approved NL, P.Eng. approuvé

date August 23, 2018

Tender: [] soumission

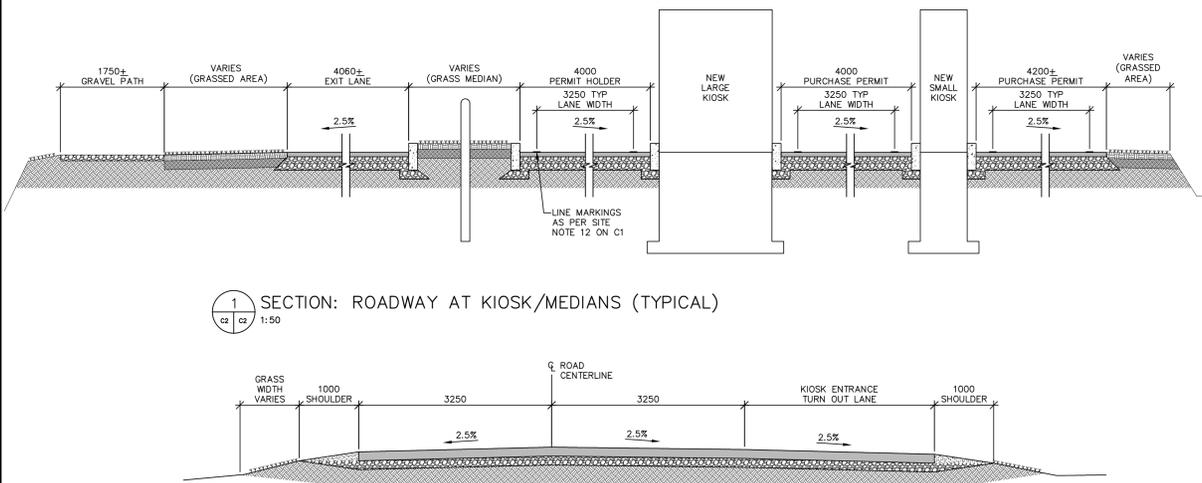
PCA Project Manager: [] Administrateur de projets APC

project number: **181090** no. du projet

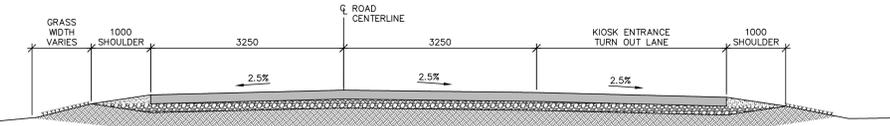
drawing no.: [] no. du dessin

C1

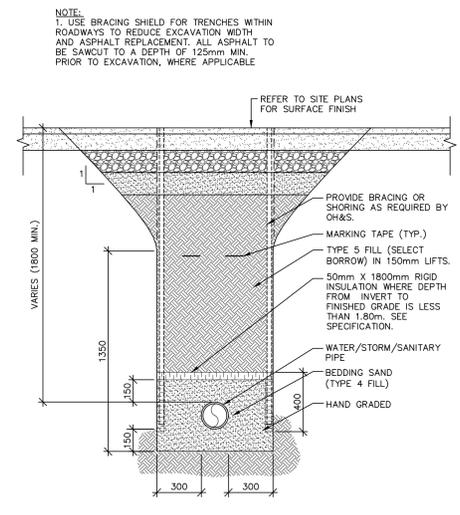
E-DRM/000-E



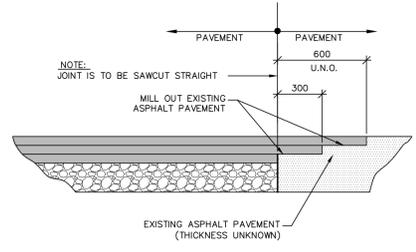
1 SECTION: ROADWAY AT KIOSK/MEDIANS (TYPICAL)
1:50



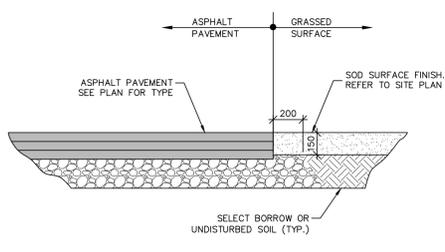
2 SECTION: ROADWAY (TYPICAL)
1:50



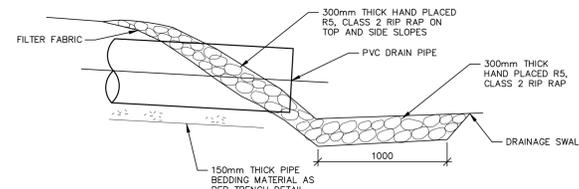
3 SECTION: TYPICAL TRENCH
1:20



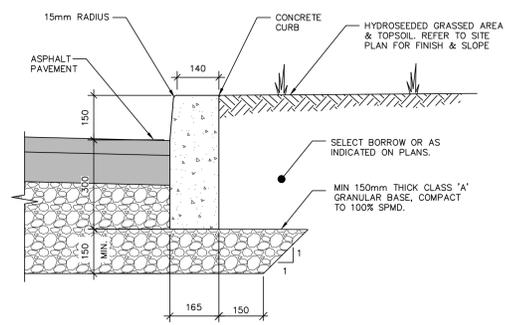
4 ASPHALT PAVEMENT DETAIL JOINT AT EXISTING / NEW
1:20



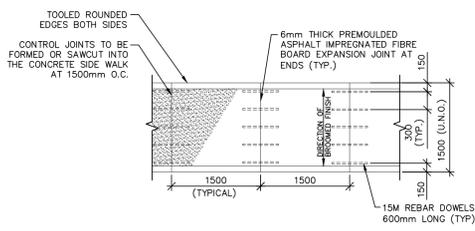
5 ASPHALT PAVEMENT DETAIL JOINT AT GRASS / NEW
1:20



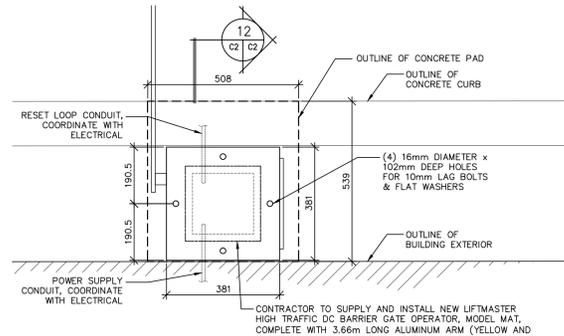
6 DETAIL: RIP RAP AT PIPE ENDS
1:10



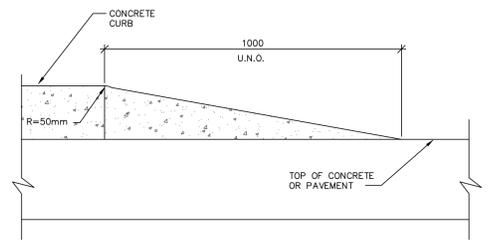
7 SECTION: CONCRETE BARRIER CURB
1:10



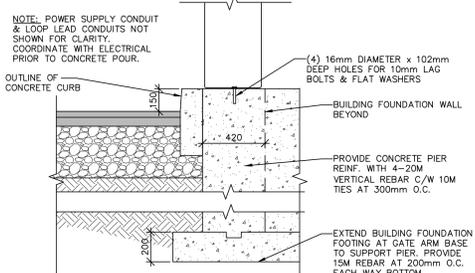
8 CONCRETE SIDEWALK PLAN
1:50



9 PLAN: GATE ARM BASE
1:10



10 DETAIL: END OF CONCRETE CURB
1:10



11 SECTION: GATE ARM BASE
1:20

GENERAL NOTES:

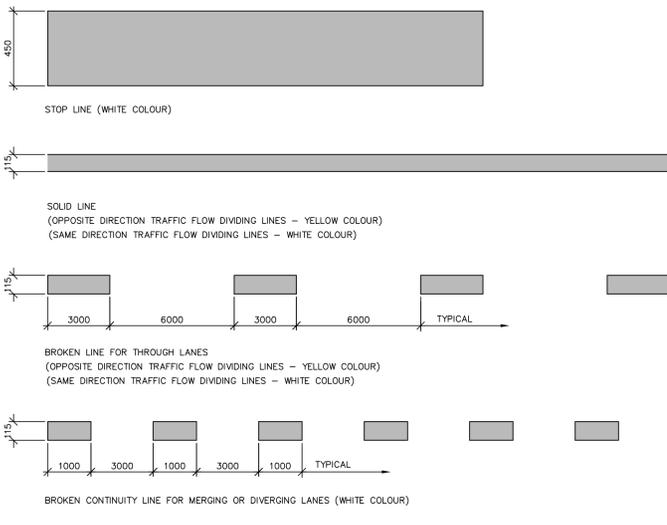
- CONTRACTOR MUST VISIT THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS.
- VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
- ALL DIMENSIONS AND ELEVATIONS ARE IN METRIC UNITS U.N.O.
- THESE DRAWINGS SHALL BE VIEWED IN CONJUNCTION WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES AND SERVICES (SHOWN OR NOT SHOWN ON DRAWINGS) IN THE FIELD WITHIN THE CONTRACT LIMIT. INFORMATION SHOWN ON PLANS IS APPROXIMATE ONLY.
- UNDERGROUND WATER, SEWER, TELEPHONE AND POWER SERVICES EXIST BENEATH THE SITE. EXERCISE CAUTION IN EXCAVATION AND PROTECT FACILITIES FROM DAMAGE. CONTRACTOR TO REPAIR DAMAGES AT NO COST TO THE OWNER. WORK SHALL BE CARRIED OUT TO THE SATISFACTION OF THESE AUTHORITIES. CONTACT UTILITIES BEFORE EXCAVATING.
- PRIOR TO COMMENCING WORK, COORDINATE AND OBTAIN APPROVAL FROM THE CITY OF CHARLOTTETOWN FOR CONNECTING TO EXISTING WATER & SEWER SERVICES AS REQUIRED.
- PRIOR TO CONSTRUCTION, CONTRACTOR MUST REVIEW THE DEPTH OF ALL NEW UNDERGROUND SERVICES AND ADJUST DEPTH OF ALL SERVICES INCLUDING WATER, SANITARY SEWER, STORM SEWER, 1/2 ELECTRICAL & COMMUNICATION, WHERE INTERFERENCE OCCURS. ADVISE & OBTAIN APPROVAL FROM CONSULTANT BEFORE PROCEEDING WITH ANY CHANGES. COSTS ASSOCIATED WITH THIS TO BE INCLUDED IN TENDER PRICE.
- THE CONTRACTOR TO INCLUDE IN THE CONTRACT PRICE COSTS ASSOCIATED WITH OVER EXCAVATION, BACKFILLING AND REINSTATEMENT DUE TO POSSIBLE MISALIGNED EXISTING UNDERGROUND SERVICES.
- PROVIDE TEMPORARY SUPPORT TO UTILITY POLES AS REQ'D BY THE UTILITIES. FINAL LOCATIONS OF RELOCATED UTILITY POLES TO BE CO-ORDINATED ON-SITE BETWEEN CONTRACTOR & UTILITIES. ENSURE NEW OVERHEAD WIRE PATHS MEET ALL REQUIRED CLEARANCES AS REQUIRED BY CHKS.
- THE WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, LATEST EDITION AND APPLICABLE STANDARDS, UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS.
- PERFORM WORK AND COMPLY WITH ALL FEDERAL, PROVINCIAL AND MUNICIPAL BY-LAWS AND REGULATIONS.
- COMPLY WITH ALL ENVIRONMENTAL REGULATIONS & PROVIDE ALL NECESSARY ENVIRONMENTAL PROTECTION INCLUDING SILT FENCES, SEDIMENT TRAPS, CHECK DAMS, DUST CONTROL, ETC.
- THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN TWO WAY TRAFFIC AT ALL TIMES DURING THIS CONTRACT AND ACCESS FOR EMERGENCY VEHICLES ON CONSTRUCTION SITE. PROVIDE SIGNS, BARRICADES, FLAGGERS AS PER APPLICABLE REGULATIONS. PROVIDE TEMPORARY TRAFFIC LIGHTS WHEN TRAFFIC REDUCED TO ONE LANE ONLY.
- ALL TRENCHES MUST BE BACKFILLED AT THE END OF EACH DAY.
- REPAIR & REINSTATE DISTURBED ASPHALT PAVEMENT, GRASS & LANDSCAPED AREAS, SIGNS, RETAINING WALLS, ETC., DAMAGED BY WORK OF CONTRACT INCLUDING ALL AREAS IMPACTED BEYOND LIMIT OF CONTRACT. TOPSOIL & SEED/SOD (AS DIRECTED) ALL GRASSED SURFACES U.N.O.

REINFORCING STEEL

- ALL REINFORCING STEEL SHALL BE NEW BILLET AND SHALL CONFORM TO CSA G30.18
- MIN REINFORCING STEEL YIELD STRENGTH SHALL BE 400MPa
- ALL REINFORCING STEEL SHALL BE DETAILED, CUT, BENT, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315, ULTIMATE STRENGTH DESIGN
- THE GENERAL CONTRACTOR SHALL INSPECT ALL THE REINFORCING STEEL BEFORE PLACEMENT OF THE CONCRETE.
- THE GENERAL CONTRACTOR SHALL NOTIFY THE CONSULTANT 24 HOURS PRIOR TO THE PLACEMENT OF THE CONCRETE.
- THE POSITION OF ALL REINFORCING STEEL SHALL BE MAINTAINED DURING THE POURING OPERATION BY DIRECT SUPERVISION OF THE REINFORCING STEEL CONTRACTOR.

CONCRETE

- CONCRETE COMPRESSIVE STRENGTH MIN 32MPa @ 28 DAYS (U.N.O.) REFER TO SPECIFICATIONS.
- ALL CONCRETE SHALL CONFORM TO CSA A23.2
- ALL TESTING SHALL CONFORM TO CSA A23.2M AND RECORD THE TEST FOR SLUMP, AIR CONTENT AND COMPRESSIVE STRENGTH
- NO CONCRETE SHALL BE POURED WITHOUT THE PRIOR KNOWLEDGE AND APPROVAL OF CONSULTANT.
- CONCRETE PROTECTIVE COVER (EXCEPT AS NOTED)
 - POURED AGAINST THE GROUND - 75mm
 - FORMED SURFACE AGAINST GROUND - 50mm
 - FORMED SURFACE EXPOSED TO WEATHER - 50mm
- GREENINGS SHALL BE PROVIDED AS SHOWN ON DRAWINGS. ANY ADDITIONAL OPENINGS MUST BE APPROVED BY ENGINEER.
- LEAVE FORMWORK IN PLACE FOR THE FOLLOWING MINIMUM PERIODS OF TIME AFTER PLACING CONCRETE FOR 3 DAYS FOR FOOTINGS.
- REMOVE ALL FINIS, RIDGES AND OTHER PROJECTIONS FROM EXTERIOR FACE OF CONCRETE FOUNDATION WALLS TO PROVIDE SMOOTH SURFACE FOR INSTALLING DAMPROOFING.



12 PAINTED LINE MARKINGS (TYP.)
1:5

ENVIRONMENTAL PROTECTION NOTES:

- INSTALLATION OF ENVIRONMENTAL CONTROLS SHALL BE A FIRST STEP IN THE CONSTRUCTION SEQUENCE. THEIR DESIGN, INSTALLATION AND MAINTENANCE SHALL BE AS PER THE CANADIAN ENVIRONMENTAL PROTECTION ACT AND PROJECT SPECIFICATIONS.
- CONSTRUCT AND INSTALL AT TOE OF SLOPE AROUND PERIMETER OF ALL TEMPORARY AND PERMANENT CONSTRUCTION AREAS INCLUDING AROUND STOCKPILES OF FILL, SILT FENCES & EROSION CONTROL DEVICES. ALL ENVIRONMENTAL CONTROLS (E.G. SILT FENCING, CHECK DAMS, SEDIMENT COLLECTION PONDS, ETC.) SHALL BE IN PLACE PRIOR TO, DURING AND AFTER PROJECT ACTIVITIES TO AVOID OFFSITE SILTATION.
- ENSURE THAT ALL SILT FENCES ARE IN PLACE AND MAINTAINED ON A DAILY BASIS TO PREVENT SEDIMENTS FROM THE WORK AREAS FROM ENTERING ANY WATER COURSE OR CATCH BASINS. MAINTAIN FENCE AT ALL TIMES AND REPLACE IF DAMAGED. REMOVE ACCUMULATED SEDIMENTS TO PREVENT BLOCKAGE OF FENCES AND DAMS OR AS DIRECTED BY CONSULTANT. REMOVE AND REPLACE EROSION CONTROL STRUCTURES WHEN THEY BECOME CLOGGED WITH SOIL PARTICLES OR AS DIRECTED BY ENGINEER REPAIR ALL DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION ACTIVITIES AT OR BEFORE THE END OF EACH WORKING DAY.
- INSTALL SEDIMENT COLLECTION POND AT END OF THE OUTFALL & AT THE END OF THE DITCHES TO FILTER SEDIMENT FROM SURFACE RUNOFF BEFORE IT IS DISCHARGED TO WATERCOURSE.
- ENSURE THAT RUNOFF IS DIRECTED THROUGH SEDIMENT COLLECTION PONDS.
- DO NOT DISTURB EXISTING VEGETATION ANY MORE THAN NECESSARY TO COMPLETE EACH PHASE OF THE PROJECT.
- INSTALL A LAYER OF MULCH OR AN EROSION CONTROL BLANKET TO ALL EXPOSED SLOPES THAT IS NOT IMMEDIATELY UNDER CONSTRUCTION APPLIED AND MAINTAINED UNTIL THE AREA IS READY TO BE COMPLETED, SHAPED AND STABILIZED WITH SEEDING, SOD OR RIP-RAP.
- APPLY GRAVEL TO THE ROADWAY BED AS SOON AS POSSIBLE.
- SEED/SOD ALL EXPOSED AND BARREN SOIL AS SOON AS POSSIBLE.
- THIS PROJECT MUST COMPLY WITH THE REQUIREMENTS OF THE PEI DEPARTMENT OF ENVIRONMENT CERTIFICATE OF APPROVAL, CITY OF CHARLOTTETOWN UTILITY SERVICE AGREEMENT AND OTHER APPLICABLE PERMITS.
- ALL WORK TO BE PERFORMED IN ACCORDANCE WITH PEI OCCUPATIONAL HEALTH & SAFETY ACT, FEDERAL, PROVINCIAL & MUNICIPAL BY-LAWS & REGULATIONS.
- ENVIRONMENTAL PROTECTION MEASURES SHALL BE CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT & AUTHORITIES HAVING JURISDICTION AND THE COST OF ALL THESE DEVICES & MEASURES SHALL BE INCLUDED IN THE CONTRACT PRICE.
- REPORT ANY DOUBTFUL CONDITIONS REQUIRING DECISIONS & SECURE DIRECTIONS FROM THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR IS TO HAVE ON HAND, THE APPROPRIATE EMERGENCY RESPONSE PHONE NUMBERS AND CONTACTS TO ALERT THE APPROPRIATE AUTHORITIES OF POSSIBLE CONTAMINATION SHOULD A SPILL OCCUR.

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PROFESSIONAL ENGINEER
 2349318
 0 ISSUED FOR TENDER 08/23/2018
 revisions
 project
PARKS CANADA AGENCY ENTRANCES & KIOSKS GRAHAM'S LANE CAVENDISH, PE
 drawing
SITE DETAILS & NOTES
 designed SPM, E.I.T. conçu
 date August 23, 2018
 drawn SPM, E.I.T. dessiné
 date August 23, 2018
 approved N.L., P.Eng. approuvé
 date August 23, 2018
 Tender
 PCA Project Manager Administrateur de projets APC
 project number
181090
 drawing no. no. du dessin
C2
 E-DRM/CDD-E



1/M101 DRAWING LEGEND

- FE WALL MOUNTED 10 LB FIRE EXTINGUISHER

1/M101 PLAN NOTES:

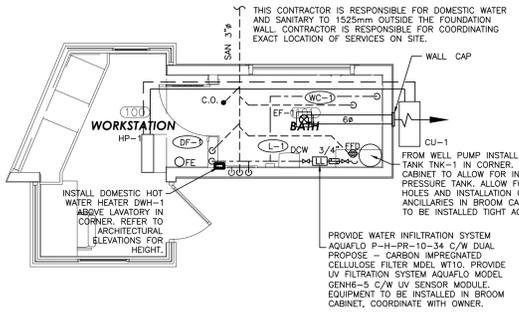
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH N.B.C.C., N.F.P.A. AND ALL APPLICABLE CODES AND REGULATIONS UNDER AUTHORITIES HAVING JURISDICTION.
- THIS CONTRACTOR SHALL PROVIDE FULLY FUNCTIONAL MINI-SPLIT HEAT PUMP INSTALLATIONS, INCLUDING THE SUPPLY AND INSTALLATION OF THE HEAT PUMP AND LISTED ACCESSORIES AND EQUIPMENT AS PER THE MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR TO ENSURE WARRANTY FOR THE MINI-SPLIT HEAT PUMP EQUIPMENT HAS A MINIMUM FIVE (5) YEAR WARRANTY ON PARTS AND COMPRESSOR.

PLUMBING LEGEND

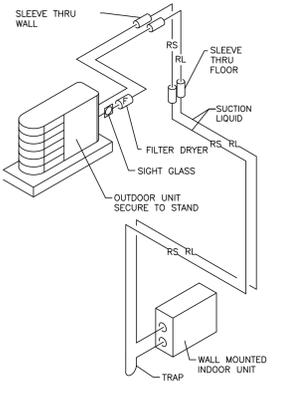
- VAPOUR REFRIGERANT
- LIQUID REFRIGERANT
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- SANITARY U/G
- SANITARY A/G
- PIPE TEE
- BALL VALVE
- CHECK VALVE
- RELIEF VALVE
- UNION
- PIPE INSULATION
- FUNNEL FLOOR DRAIN
- FIXTURE TYPE (SEE SCHEDULE)
- CLEANOUT
- F.F.P.H.B. FREEZE PROOF HOSE BIB

PLUMBING NOTES:

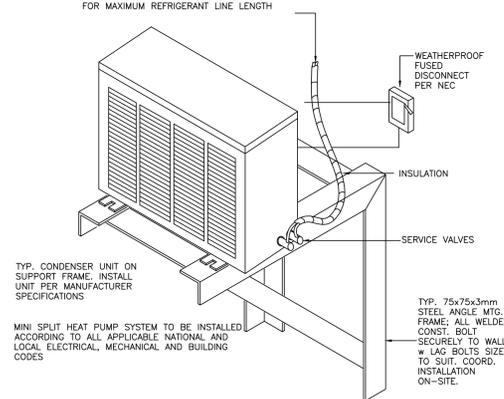
- ALL WORK SHALL BE PERFORMED TO LATEST EDITION OF THE NATIONAL PLUMBING CODE AND ALL AUTHORITIES HAVING JURISDICTION (A.H.J.). PROVIDE FOR ALL TESTS, PERMITS, FEES AND INSPECTIONS REQUIRED BY A.H.J.
- PROVIDE VENTING TO LATEST EDITION OF NATIONAL PLUMBING CODE. COORDINATE WITH BUILDING CONTRACTOR.
- SLOPE ALL SANITARY 1/8" TO 1'-0" UNLESS OTHERWISE NOTED.
- ALL SANITARY PIPING TO BE ABS. ALL EXPOSED VISIBLE PIPING TO BE CHROME.
- ALL C/W AND D/HW TO BE COPPER TYPE L, UNLESS OTHERWISE NOTED. INSULATE ALL COPPER LINES WITH 1" INSULATION.
- CONNECT TO FIXTURES AS PER PLUMBING SCHEDULE. THIS PAGE. PROVIDE STOPS AT ALL PLUMBING FIXTURES.
- ALL DOMESTIC WATER PIPING TO BE HYDRAULICALLY PRESSURE TESTED TO 150 PSI AND HELD WITH OUT PRESSURE LOSS FOR 4 HOURS. TEST PROCEDURE TO BE APPROVED, WITNESSED AND SIGNED OFF BY ENGINEER OR OWNER REPRESENTATIVE.
- ALL DOMESTIC WATER PIPING TO BE FLUSHED, DISINFECTED, RINSED AND TESTED TO THE REQUIREMENTS OF LOCAL CODES AND ENGINEER OR OWNER REPRESENTATIVE. PROCEDURE TO BE APPROVED AND TEST WITNESSED AND SIGNED OFF BY ENGINEER OR OWNER REPRESENTATIVE.
- ALL SANITARY PIPING TO BE HYDRAULICALLY TESTED PRIOR TO BACK FILLING OR OTHERWISE BUILT IN PROCEDURE TO BE APPROVED AND TEST WITNESSED AND SIGNED OFF BY ENGINEER OR OWNER REPRESENTATIVE.
- ALL FIXTURE GROUPS TO HAVE ISOLATION BALL VALVES INSTALLED. PROVIDE 1/4 TURN CHROME ANGLE STOP VALVE AT EACH CONNECTION TO FIXTURES. PROVIDE ACCESS HATCHES WHERE REQ'D.
- LEAVING SANITARY LOCATIONS, INVERTS, CONDITIONS, AVAILABLE GRADE AND DIRECTION OF FLOW SHALL BE VERIFIED ON SITE BY THIS CONTRACTOR BEFORE ANY PLUMBING IS STARTED.
- INCOMING WATER LOCATIONS AND CONDITIONS SHALL BE VERIFIED ON SITE BY THIS CONTRACTOR BEFORE ANY PLUMBING IS STARTED.
- SLOPE ALL DOMESTIC HOT AND COLD WATER LINES FOR SEASONAL DRAINAGE.
- SHOP DRAWINGS, MATERIAL AND EQUIPMENT LISTS TO BE PROVIDED FOR ALL VALVES, FITTINGS, HANGERS, PIPING, FITTINGS, MATERIALS AND EQUIPMENT. ALL MATERIALS AND EQUIPMENT TO BE APPROVED BY ENGINEER OR OWNER REPRESENTATIVE PRIOR TO ORDERING MATERIALS OR COMMENCEMENT OF WORK.
- ALL FIXTURES SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE TRAP PRIMER FUNNEL FLOOR DRAIN AS REQUIRED BY NRC AND AHI.
- ALL DOMESTIC PIPE SIZES SHOWN ARE BASED ON STANDARD COPPER PIPE.



MECHANICAL PLAN LARGE KIOSK
 SCALE: 1:50
 1 M1 M1



MINI SPLIT PIPING DETAIL
 SCALE: N.T.S.
 2 M1 M1



MINI SPLIT HUNG CONDENSOR DETAIL
 SCALE: N.T.S.
 3 M1 M1

EXPANSION TANK SCHEDULE

MARK	MAKE	MODEL	VOLUME LITRES	ACCEPT. LITRES	DIMENSIONS (mm) LENGTH DIA.	CONNECTIONS	REMARKS
ET-1	AMTRLO	WX-202	76	4.3	813 381	NPS 1	WELL PRESSURE TANK

HEAT PUMP UNIT SCHEDULE

UNIT NO.	MANUFACTURER	MODEL	LOCATION	SUPPLY FAN		NOMINAL COOLING CAP. kW	ELECTRIC MCA AMPS	ELECTRICAL DATA	REMARKS
				LPS	ESP (n. w.c.)				
HP-1 CU-1	FIJITSU	ASU9RL53 AOU9RL53H	WORKSTATION	231	-	2.6	14.4	208/1/60	C/W DISCONNECT, EXT. WALL MOUNT KIT
HP-2	FRIGIDAIRE	FFRH022R1	WORKSTATION	127	-	2.3	12	120/1/60	C/W ELECTRIC HEAT, THRU WALL MOUNTING KIT

PLUMBING FIXTURE SCHEDULE

TYPE	DESCRIPTION	STANDARD OF ACCEPTANCE
L-1	WASHROOM LAVATORIES	AMERICAN STD LUCERNE BARRIER FREE WALL HUNG LAVATORY, MODEL 0355.912 C/W WALL HANGER AND MOEN 8278MF15 4" FAUCET. NO EXCEPTIONS
W-1	WATER CLOSETS	AMERICAN STD. CHAMPION BARRIER FREE WATER CLOSET MODEL 211A.154, C/W "EVERCLEAN" AND AMERICAN STANDARD 5325.010.020 WHITE SEAT WITH COVER. NO EXCEPTIONS
DF-1	BOTTLE FILLING STATION	EKLAY EZH20 MODEL EMASM, C/W MOUNTING FRAME. NO EXCEPTIONS

EXHAUST FAN SCHEDULE

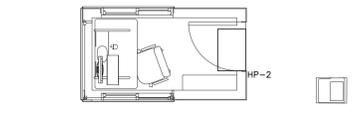
TAG	MANUF.	MODEL	LOCATION	AIRFLOW (CFM)	E.S.P. (n. w.c.)	Pd	FAN RPM	POWER	ELECT	COMMENTS
EF-1	PANASONIC	FV-05-11VSK1	BATH	100	100	-	0.27 A	70/1/60	208/1/60	CEILING FAN WITH INTEGRAL BACKDRAFT DAMPER. PROVIDE WALL CAP.

DOMESTIC WATER HEATER SCHEDULE

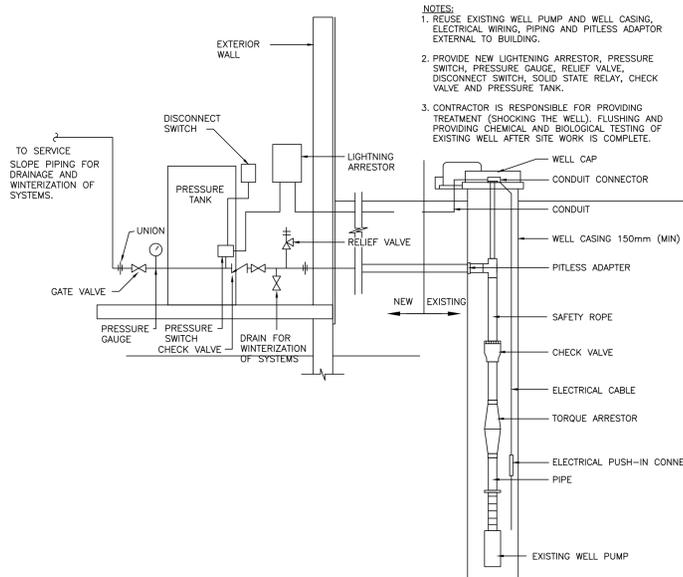
TAG	MANUF.	MODEL	CAP. (L)	RECOVERY @ 56C RISE (LPH)	kW	ELECT.	COMMENTS
DHW-1	BRADFORD WHITE	M-1-WH6U6SS	23	26	1.5	120V/1PH/60	MOUNT NEAR CEILING HEIGHT C/W WALL MOUNTING BRACKETS, BOTTOM DRAIN

GENERAL NOTES:

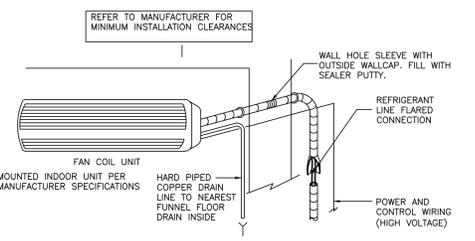
- GENERAL
 - SCOPE OF WORK
 - THE WORK SHALL INCLUDE THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE INSTALLATION OF THE MECHANICAL SYSTEMS AS INDICATED.
 - COOPERATION WITH OTHER TRADES
 - CONTRACTOR MUST COORDINATE CLOSELY WITH ALL OTHER TRADES AND WITH EXISTING SERVICES AS CEILING SPACE WILL BE LIMITED IN SOME PLACES.
 - EXAMINATION OF SITE
 - BEFORE TENDERING, EXAMINE THE SITE AND THE LOCAL CONDITIONS AFFECTING THE WORK OF THIS CONTRACT. NO ALLOWANCE WILL BE MADE FOR ANY EXPENSE INCURRED THROUGH FAILURE TO MAKE THIS EXAMINATION.
 - PERMITS, FEES AND CERTIFICATES
 - SUPPLY FOR, OBTAIN, AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED.
 - INSTALLATION AND COMMISSIONING OF EQUIPMENT
 - MANUFACTURER'S INSTRUCTIONS SHALL BE MADE AVAILABLE TO BOTH THE INSTALLING TRADESMAN AND THE ON-SITE INSPECTOR PRIOR TO INSTALLATION OF EQUIPMENT. THESE INSTRUCTIONS ARE TO BE READ, UNDERSTOOD AND CLOSELY FOLLOWED. FAILURE TO ABIDE BY THIS REQUIREMENT WILL PROVIDE JUSTIFICATION FOR THE ENGINEER TO REQUIRE REMOVAL AND RE-INSTALLATION.
 - ENSURE THAT ALL SAFETY DEVICES AND OTHER SIGNIFICANT ACCESSORIES ARE IN PLACE AND OPERABLE BEFORE STARTING MAJOR PIECES OF EQUIPMENT AS PART OF THE COMMISSIONING PROCESS. ACCESSORIES ARE TO BE CHECKED, CALIBRATED AND ADJUSTED AS NECESSARY TO ENSURE SAFE OPERATION.
 - FOLLOW MANUFACTURER'S INSTRUCTIONS IN DETAIL IN ESTABLISHING COMMISSIONING PROCEDURE.
 - DEMONSTRATION OF COMPLETE SYSTEMS
 - AT THE CONCLUSION OF THE JOB, THE CONTRACTOR SHALL REVIEW AND DEMONSTRATE TO THE OWNER ALL EQUIPMENT AND THEIR RESPECTIVE FUNCTIONS AND OPERATION. SUCH DEMONSTRATION SHALL BE PROVIDED FOR SUCH REASONABLE PERIODS OF TIME AS THE COMPLEXITY OF THE JOB WARRANTS, AND AS APPROVED BY THE ENGINEER. SUCH REVIEW AND DEMONSTRATION SHALL BE MADE BY AN AUTHORIZED REPRESENTATIVE OF THE CONTRACTOR, FULLY KNOWLEDGEABLE OF THE PROJECT, ITS INSTALLATION AND OPERATION.
 - FINAL INSPECTION
 - PRIOR TO SUBSTANTIAL COMPLETION AND FINAL INSPECTION OF THE PROJECT, CONTRACTOR WILL INSPECT THE PROJECT, PROVIDE A MECHANICAL DEFICIENCY LIST, PROVIDE CONFIRMATION THAT ALL ITEMS ON THE LIST HAVE BEEN CORRECTED, PROVIDE THE OPERATION AND MAINTENANCE MANUALS, PROVIDE THE RECORD DRAWINGS, BALANCING REPORTS AND PROVIDE THE DEMONSTRATION OF THE COMPLETED MECHANICAL SYSTEMS.
 - ALL OF THE ABOVE MUST BE COMPLETED PRIOR TO THE FINAL INSPECTION BY THE ENGINEER AND SUBSTANTIAL COMPLETION OF THE MECHANICAL SYSTEMS.
 - SHOP DRAWINGS
 - CONTRACTOR TO SUBMIT TWO (2) SETS OF SHOP DRAWINGS AND PRODUCT DATA FOR ENGINEER'S REVIEW.
 - OPERATION AND MAINTENANCE MANUAL
 - CONTRACTOR TO PROVIDE MAINTENANCE MANUALS FOR ALL EQUIPMENT INSTALLED, THREE (3) COPIES ORGANIZED IN 8 1/2" x 11" BINDERS TO BE PROVIDED.
 - RECORD DRAWINGS
 - CONTRACTOR TO PROVIDE AS-BUILT RECORD DRAWINGS.
 - IDENTIFICATION
 - PROVIDE ON EACH PIECE OF EQUIPMENT A METAL NAMEPLATE, MECHANICALLY FASTENED WITH RAISED OR RECESSED LETTERS.
 - DUCT IDENTIFICATION:
 - USE 2" HIGH BLACK STENCILED LETTERS WITH DIRECTIONAL FLOW ARROW
 - STENCIL OVER FINAL FINISH ONLY
 - IDENTIFY MEDIUM IN PIPING WITH MARKERS OR STENCILS SHOWING NAME AND SERVICE INCLUDING TEMPERATURE, PRESSURE, AND DIRECTIONAL FLOW ARROWS WHERE RELEVANT.
 - STANDARDS OF ACCEPTANCE
 - ALL EQUIPMENT MANUFACTURERS LISTED FORM THE STANDARD OF ACCEPTANCE FOR THE EQUIPMENT REQUIRED. ALTERNATE EQUIPMENT MAY BE SUBSTITUTED ONLY AFTER RECEIVING APPROVED EQUAL STATUS FROM ENGINEER DURING TENDER PROCESS ONLY. PROVIDE SHOP DRAWINGS ON ALL MAJOR EQUIPMENT PRIOR TO ORDERING ANY EQUIPMENT. IF ALTERNATE EQUIPMENT IS APPROVED BY ENGINEER ALL COSTS ASSOCIATED WITH ANY REQUIRED MODIFICATIONS, CHANGES, ETC TO USE THE ALTERNATE EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CLEANING AND FINAL ADJUSTMENT
 - BALANCE AND ADJUST ALL SYSTEMS AND EACH PIECE OF EQUIPMENT TO OPERATE EFFICIENTLY.
 - CUTTING AND PATCHING
 - ALL CUTTING AND PATCHING WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
 - EXCAVATION AND BACKFILLING
 - ALL EXCAVATION AND BACKFILLING WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
 - PROTECTION OF OPENINGS
 - PROTECT EQUIPMENT, SYSTEM OPENINGS INCLUDING ROUGH-IN PLUMBING FROM DIRT, DUST AND OTHER FOREIGN MATERIALS WITH MATERIALS COMPATIBLE TO THE SYSTEM.
- INSULATION
 - PIPING
 - PROVIDE 1" INSULATION TO ALL PIPING, VALVES AND FITTINGS FOR ALL HEATING WATER AND DOMESTIC COLD AND HOT WATER.
 - STANDARD OF ACCEPTANCE:
 - FRIGI PIPE-FLEX MANSION AILEY K APT, OWENS CORNING, OWENS CORNING VAPORWRICK, MANVILLE MICRO LOK, KNAUF
 - APPLY INSULATION AFTER REQUIRED TESTS HAVE BEEN COMPLETED AND APPROVED BY ENGINEER. INSULATION AND SURFACES SHALL BE CLEAN AND DRY WHEN INSTALLED AND DURING APPLICATION OF ANY FINISH.
 - INSULATION IS NOT REQUIRED FOR
 - CHROME-PLATED PIPING, FLANGES AND VALVE BONNETS ON DOMESTIC HOT AND COLD WATER SERVICES, EXCEPT AS REQUIRED BY CODE
 - SANITARY DRAINAGE PIPING
 - DUCTWORK
 - PROVIDE 1" THICK FIBERGLASS DUCT INSULATION c/w FACTORY APPLIED FOIL SCRM-KRAFT VAPOR JACKET ON ALL EXHAUST DUCTWORK 10 FT IN FROM EXTERIOR WALL.
 - PLUMBING
 - GENERAL
 - ALL WORK TO BE COMPLETED IN ACCORDANCE WITH NBC, CPC, AND AUTHORITIES HAVING JURISDICTION. PIPING TO BE INSTALLED TO ALLOW FOR COMPLETE DRAINAGE AND WINTERIZATION OF SYSTEMS.
 - PIPING
 - SANITARY PIPING TO BE PVC PLASTIC, SLOPED AT 1/8" TO 1'-0".
 - DRAINAGE AND VENTS - TYPE L COPPER
 - WATER ABOVE GRADE - TYPE L COPPER
 - HANGERS
 - CLIPS TYPE WITH THREADED RODS.
 - SPECIALTIES
 - FUNNEL FLOOR DRAINS
 - ZURN #2N4518F.
 - PROST FROST HOSE BIB
 - ZURN #21321
- VALVES
 - DOMESTIC WATER - JENKINS FIG. 901A OR FIG. 902A
- WATER SUPPLY WELL
 - GENERAL
 - REUSE EXISTING WELL, WELL PUMP AND CASING.
 - PERMITS AND CERTIFICATES
 - PROVIDE ALL PERMITS, CERTIFICATES AND CONFORM TO ALL REGULATIONS IN PROVIDING AND FITTING UP THE WELL.
 - REPORTS
 - COMPLETION OF WORK, SUBMIT TO ENGINEER REPORT CONTAINING:
 - RESULTS OF TESTING OF WATER SAMPLE FOR SUSPENDED SOLIDS, CHEMICALS AND BACTERIOLOGICAL CONTENT.
 - HEATING
 - MINI-SPLIT HEAT PUMP
 - PER SCHEDULE - INSTALLED PER MANUFACTURER'S INSTRUCTION.
 - BASEBOARD HEATERS
 - BY DIVISION 28
 - VENTILATION
 - GENERAL
 - ALL DUCTWORK AND HANGERS SHALL BE CONSTRUCTED TO SMACNA STANDARDS BASED ON 2" SP. IN DUCTS. DUCTWORK TO BE SEALED TO SMACNA CLASS "A" STANDARDS.



MECHANICAL PLAN SMALL KIOSK
 SCALE: 1:50
 4 M1 M1



DETAIL EXISTING SUBMERSIBLE WELL PUMP CAVENDISH
 SCALE: N.T.S.
 5 M1 M1



MINI SPLIT INDOOR DETAIL
 SCALE: N.T.S.
 6 M1 M1

0	ISSUED FOR TENDER	08/23 2018
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revisions

project

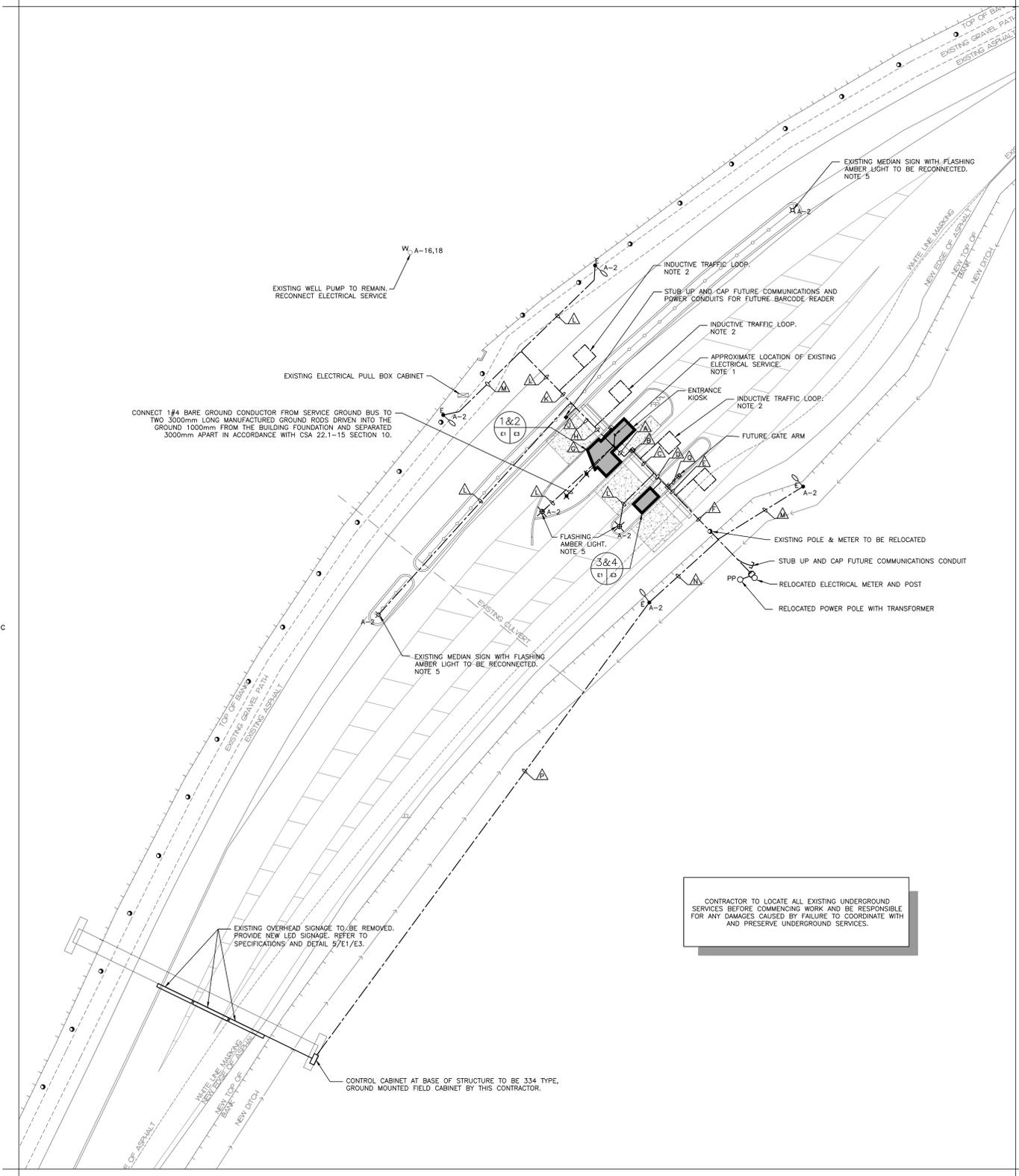
PARKS CANADA AGENCY ENTRANCES & KIOSKS GRAHAM'S LANE CAVENDISH, PE

drawing

design

MECHANICAL PLANS, DETAILS, AND SCHEDULES

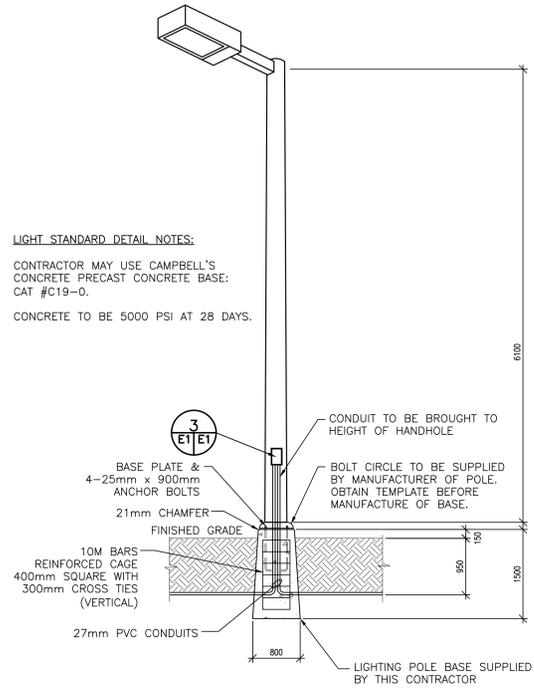
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date	August 23, 2018	
drawn	A.E.M	dessiné
date	August 23, 2018	
approved		approuvé
date		
Tender		Soumission
project number	PWSSC Project Manager	Administrateur de projets TPSSC
		no. du projet
		181090
drawing no.		no. du dessin
		M1



GENERAL LEGEND	
—	LIGHT LINEWEIGHT INDICATES EXISTING TO REMAIN
—	HEAVY LINEWEIGHT INDICATES NEW WORK
---	UNDERGROUND WIRING
○	WIRING UP
●	WIRING DOWN
—	CONDUIT STUB
⊗	GROUND ROD
A-10a	INDICATES CIRCUIT #10 IN PANEL 'A'
o	INDICATES LUMINAIRE SWITCHING FOR LIGHTING CIRCUITS
GENERAL SUB SCRIPTS	
4x	INDICATES NEMA 4x ENCLOSURE

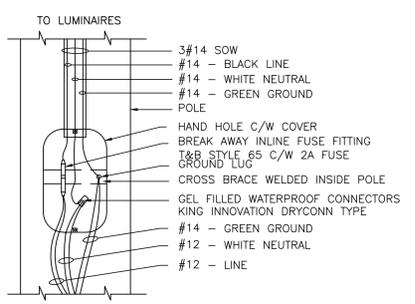
ELECTRICAL LEGEND	
⊕	DUPLEX RECEPTACLE
⊕	QUAD RECEPTACLE
○	JUNCTION BOX, 100mm x 100mm x 50mm OR AS INDICATED
RECEPTACLE SUB SCRIPTS:	
20	INDICATES CSA TYPE 5-20R
WP	INDICATES RECEPTACLE GFCI C/W WEATHER PROOF WHILE IN-USE COVER
G	INDICATES GFI RECEPTACLE
EA	ELECTRICAL PANEL, RECESSED MOUNTED 'A' INDICATES PANEL DESIGNATION
⊕	SINGLE PHASE MOTOR
⊕	DISCONNECT SWITCH
⊕	DIRECT CONNECTION
⊕	PULL BOX
⊕	JUNCTION BOX, 100mm x 100mm x 50mm OR AS INDICATED
⊕	UTILITY METER
⊕	LUMINAIRE, SUSPENDED OR SURFACE MOUNTED # - INDICATES TYPE IN LUMINAIRE SCHEDULE
⊕	LUMINAIRE, WALL MOUNTED # - INDICATES TYPE IN LUMINAIRE SCHEDULE
⊕	LUMINAIRE, POLE MOUNTED F - INDICATES TYPE IN LUMINAIRE SCHEDULE
⊕	SINGLE POLE SWITCH
⊕	PIR OCCUPANCY SENSOR WALL SWITCH, 120V
⊕	PHOTOCELL
⊕	POWER ASSISTED DOOR PUSH BUTTON
⊕	POWER ASSISTED DOOR OPENER
⊕	TELECOMMUNICATIONS MAIN GROUND BUS

- LIGHT STANDARD DETAIL NOTES:**
- CONTRACTOR MAY USE CAMPBELL'S CONCRETE PRECAST CONCRETE BASE: CAT #C19-0.
 - CONCRETE TO BE 5000 PSI AT 28 DAYS.



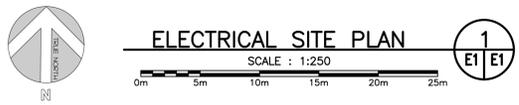
- NOTES:**
- PULL BACK AND RECONNECT EXISTING INCOMING POWER CABLING FROM OLD KIOSK LOCATION TO NEW KIOSK.
 - PREFORMED, 1.8m x 1.8m, HIGH TEMPERATURE RATED INDUCTIVE LOOP FOR PERMANENT INSTALLATION UNDER ASPHALT C/W 15 OR 30m LEAD WIRE AS REQUIRED. INTERNATIONAL ROAD DYNAMICS INC. IS AN APPROVED MANUFACTURER. INSTALL AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - GROUP UNDERGROUND CONDUITS TO MINIMIZE CUTTING AND PATCHING OF ASPHALT.
 - REMOVE ALL REDUNDANT WIRING INCLUDING WIRING TO REMOVED THREE (3) TRAFFIC LIGHTS AND TWO (2) LIGHT STANDARDS.
 - FLASHING AMBER LIGHTS TO BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. LIGHT TO BE 203mm DIAMETER C/W YELLOW UV STABILIZED, POLYCARBONATE HOUSING AND VISOR, AND FLASH/MIN 1 POLE, FLASHER MODULE. STANDARD OF ACCEPTANCE TO BE: FORTRAN #P2LY400abc + FLA480 FLASHER MODULE.

DETAIL: LIGHTING STANDARD (TYPICAL) 2
SCALE : N.T.S.

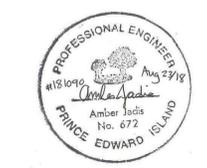


DETAIL: SITE LIGHTING POLE HAND HOLE 3
SCALE : N.T.S.

CONTRACTOR TO LOCATE ALL EXISTING UNDERGROUND SERVICES BEFORE COMMENCING WORK AND BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO COORDINATE WITH AND PRESERVE UNDERGROUND SERVICES.



ELECTRICAL SITE PLAN 1
SCALE : 1:250

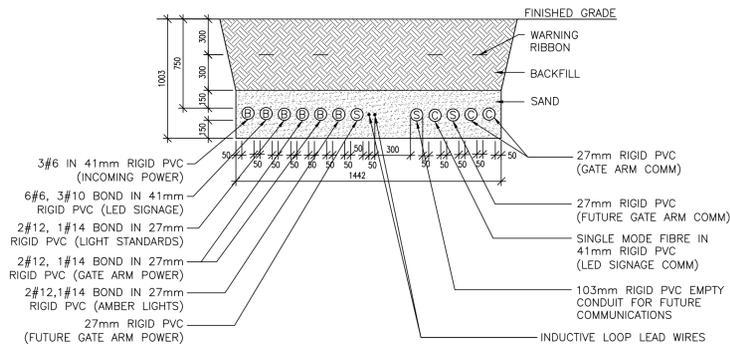


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revisions		date

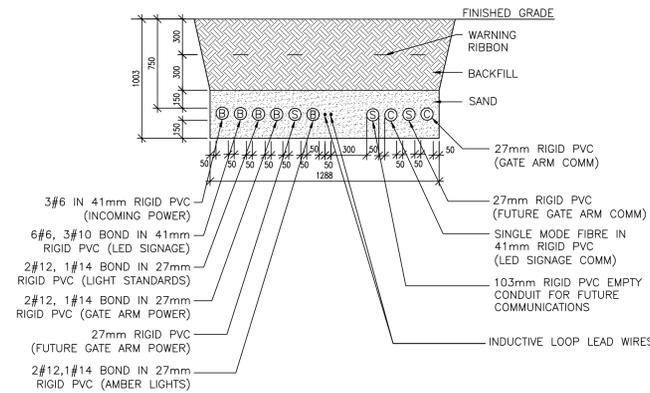
project
PARKS CANADA AGENCY ENTRANCES & KIOSKS GRAHAM'S LANE CAVENDISH, PE

drawing
ELECTRICAL SITE PLAN & DETAILS

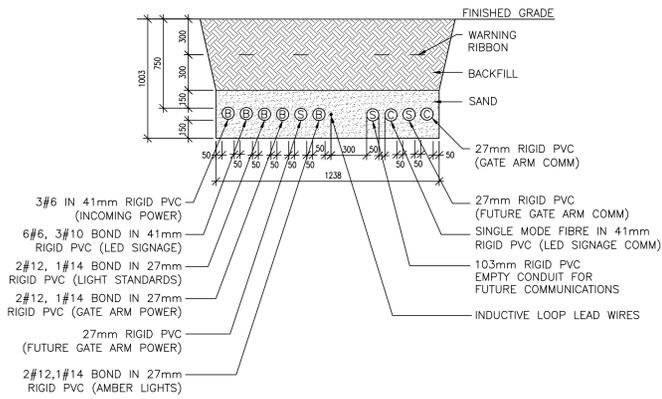
designed A.D.J., P.ENG	conçu
date August 15, 2018	
drawn M.E.M., C.E.T.	dessiné
date August 15, 2018	
approved A.D.J., P.ENG	approuvé
date	date
Tender	Soumission
PCA Project Manager	Administrateur de projets APC
project number	no. du projet
181090	
drawing no.	no. du dessin
E1	



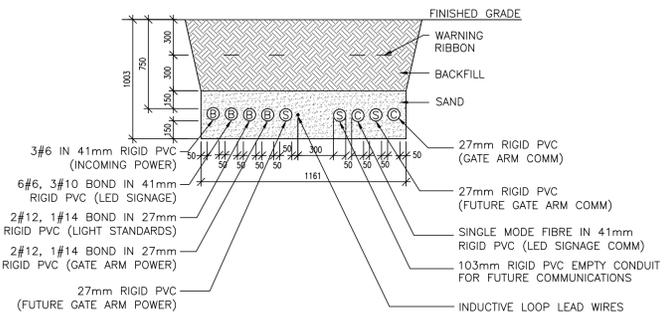
△ SITE POWER & COMMUNICATIONS



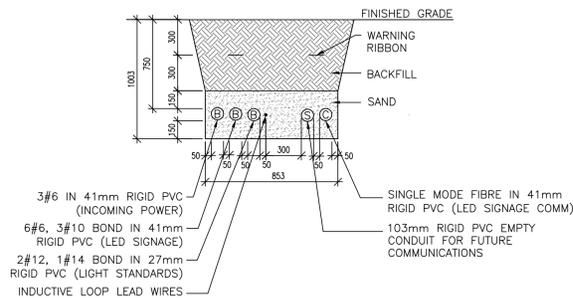
△ SITE POWER & COMMUNICATIONS



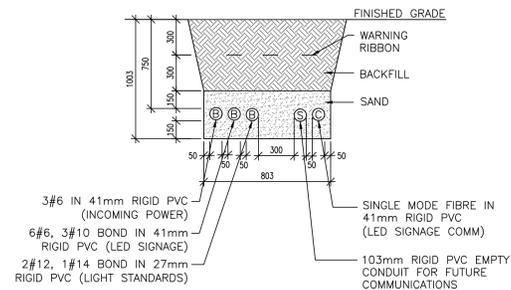
△ SITE POWER & COMMUNICATIONS



△ SITE POWER & COMMUNICATIONS



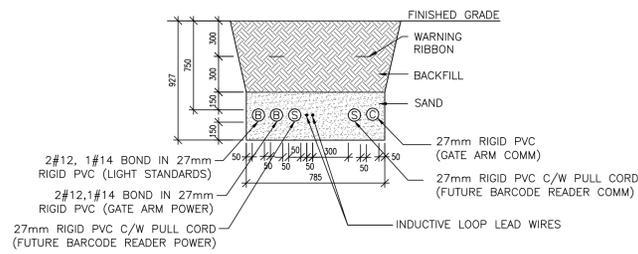
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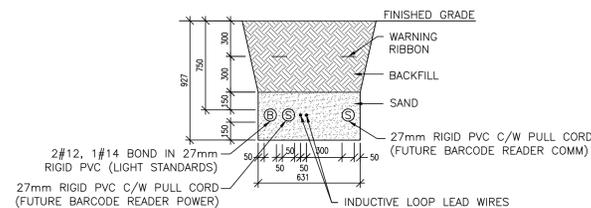
△ SITE POWER & COMMUNICATIONS

DETAIL NOTES:

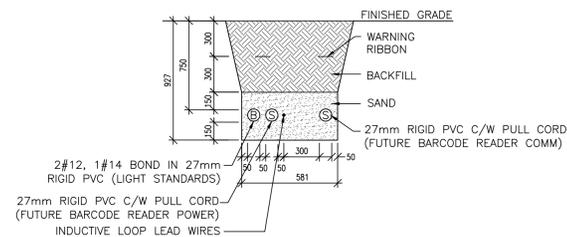
- B = SECONDARY VOLTAGE OR BRANCH CIRCUIT CONDUIT QUANTITY AND SIZE AS INDICATED.
- C = COMMUNICATION CONDUIT
- S = SPARE CONDUIT C/W PULL ROPE QUANTITY AND SIZE AS INDICATED.
- BACKFILLING OF TRENCH IN LAYERS NOT EXCEEDING 300mm (MECHANICALLY TAMPED).
- USE NEW SOIL FREE FROM LARGE ROCKS OR DEBRIS FOR BACKFILL.
- IF SITE CONDITIONS PROHIBIT TRENCH AS PER THIS DRAWING, ADVISE CONSULTANT.
- ALL CABLES TO BE LABELED WITH WEATHER PROOF TAGS INDICATING THE DESTINATION OF THE CONDUITS.



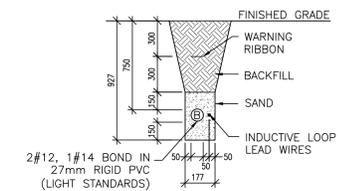
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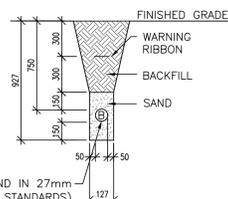
△ SITE POWER & COMMUNICATIONS



△ SITE POWER & COMMUNICATIONS



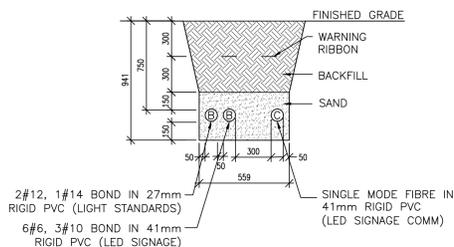
△ LIGHT STANDARD & TRAFFIC LOOP



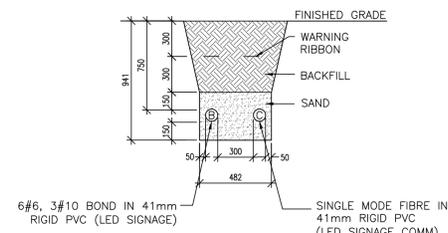
△ LIGHT STANDARDS



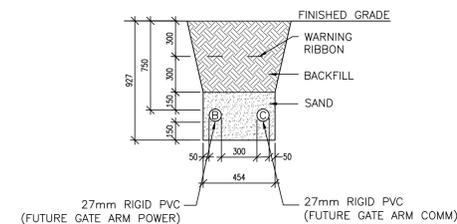
△ LIGHT STANDARDS



△ SIGNAGE & LIGHT STANDARDS



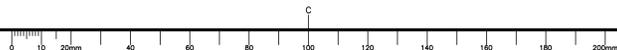
△ LED SIGNAGE



△ FUTURE GATE ARM

TRENCH DETAILS

SCALE : N.T.S.



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revisions		date

project
PARKS CANADA AGENCY ENTRANCES & KIOSKS GRAHAM'S LANE CAVENDISH, PE

drawing design
ELECTRICAL TRENCH DETAILS

designed A.D.J., P.ENG	conçu
date August 15, 2018	
drawn M.E.M., C.E.T.	dessiné
date August 15, 2018	
approved A.D.J., P.ENG	approuvé
date	

Tender Soumission

PCA Project Manager Administrateur de projets APC

project number no. du projet
181090

drawing no. no. du dessin
E2

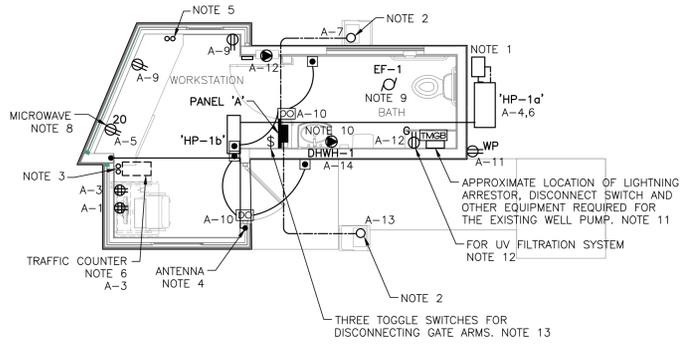
DESIGNATION	LOAD		P	BKR	CIRCUIT	BKR	P	LOAD		DESIGNATION
	A	B						A	B	
RECEPTACLES - DESK	240		1	15	1	A	2	15	1	LIGHTING
RECEPTACLES - DESK		240	1	15	3	B	4			HP-1a
MICROWAVE	1000		1	15	5	A	6	20	2	
GATE ARM		1176	1	20	7	B	8	15	1	SPARE
RECEPTACLES	500		1	15	9	A	10	15	1	DOOR OPERATOR
EXTERIOR RECEPTACLES		120	1	15	11	B	12	15	1	WATER FOUNTAIN & UV LIGHT
GATE ARM	1176		1	15	13	A	14	20	1	DHWH-1
GATE ARM		1176	1	15	15	B	16			WELL PUMP
LED SIGN	1350		1	30	17	A	18	15	2	
LED SIGN		1350	1	30	19	B	20	15	1	SPARE
LED SIGN	1350		1	30	21	A	22	15	1	SPARE
					23	B	24	15	1	SPARE
HP-2	1440		1	15	25	A	26	15	1	SPARE
SMALLER KIOSK - LIGHTS + POWER		500	1	15	27	B	28			
SMALLER KIOSK - SPARE			1	15	29	A	30			
PHASE LOADS:	7056	4562						4258	2528	
TOTAL PHASE LOADS:	11314	7090						SUPPLY: 120/240V, 1Ø, 3W		
TOTAL LOADS:	18404							MAINS: 60 MB, BOTTOM FED		
								NUMBER OF CIRCUITS: 30		
								MOUNTING: RECESSED		
CURRENT AT 240V/1PH:	77A									

NOTE: PANEL TO BE SERVICE ENTRANCE RATED

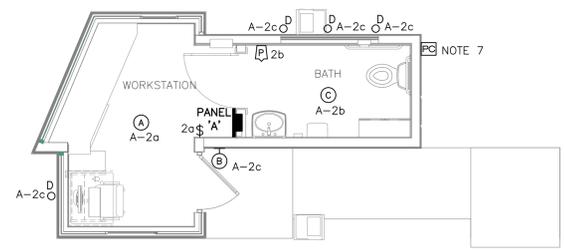
DEMAND CALCULATION				
BASIC LOAD CALCULATION - REFERENCING CEC 22.1-15 8-202 AND 8-210 (a)				
REFERENCING CEC 22.1-15 TABLE 14				
DESIGNATION	AREA (m ²)	TYPE OF OCCUPANCY	W/m ²	TOTAL DEMAND (W)
OFFICE	15.4	OFFICE	50	770
SPECIAL LOAD CALCULATION - REFERENCING CEC 22.1-15 8-210 (b), AND 62-118 (5)				
DESIGNATION	TOTAL LOAD (W)	DEMAND %	TOTAL DEMAND (W)	
HP-1, DHWH-1, EF-1, WELL PUMP	7596	75%	5697	
LED SIGNS	1800	100%	1800	
TOTAL BASIC DEMAND (W)			770	
TOTAL SPECIAL DEMAND (W)			7497	
REFERENCING CEC 22.1-15 8-210			TOTAL ELECTRIC DEMAND (W)	
			8267	
MINIMUM SERVICE ENTRANCE AT 240V, 1 PHASE			35A	
x 1.25% SPARE CAPACITY			43A	

NOTE: IN ACCORDANCE WITH CEC 22.1-15 8-106(4) DEMAND CALCULATION ARE BASED ON SUMMER TIME OPERATION GIVEN THAT COOLING LOAD IS LARGER THAN THE HEATING LOAD AND THE BUILDING IS ONLY OPERATIONAL IN THE SUMMER MONTHS.

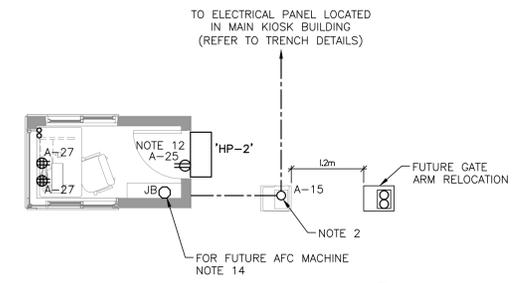
- NOTES:**
- HP-1 REQUIRES 230V, SINGLE PHASE, 2.6 KW POWER. INSTALL 2#12 TECK TO DISCONNECT SUPPLIED WITH OUTDOOR UNIT. WALL PATCHING AND SEALING TO BE COORDINATED WITH AND COMPLETED BY THE GENERAL CONTRACTOR. RUN EXTERIOR TECK CABLE ADJACENT TO LINES ON MECHANICAL LINE SUPPORTS.
 - STUB UP TWO 27mm RIGID PVC CONDUITS FOR GATE ARM. ONE CONDUIT TO CONTAIN 2c#12, 1#14 RW90 AND TERMINATE AT PANEL 'A'. OTHER CONDUIT TO BE FOR FUTURE HARDWIRED COMMUNICATIONS. GATE ARM TO OPERATE WITH REMOVE CONTROL. REFER TO MANUFACTURER'S INSTRUCTIONS FOR SIZE, LOCATION AND CONNECTION OF RESET LOOP.
 - PROVIDE TWO EMPTY 27mm CONDUITS C/W PULL CORDS, FROM PANEL A, EMBEDDED IN CONCRETE FLOOR AND STUBBED UP UNDER THE DESK AT LOCATION SHOWN. ADDITIONAL CONDUITS AND WIRING PROVIDING POWER FOR THE TRAFFIC COUNTING SYSTEM AND RECEPTACLES A-1 AND A-3 SHALL FOLLOW THE SAME ROUTE.
 - ANTENNA AND CABLE SUPPLIED BY PARKS CANADA AND INSTALLED BY ELECTRICAL CONTRACTOR. ANTENNA CABLE TO BE RUN IN 16mm EMT CONDUIT IN CEILING SPACE AND WITHIN THE WALL, DOWN TO THE UNDERSIDE OF THE DESK. LEAVE 1.5m SLACK CABLE COILED AND SECURED TO THE UNDERSIDE OFF THE DESK.
 - PROVIDE TWO EMPTY 27mm CONDUITS C/W PULL CORDS, FROM PANEL A, EMBEDDED IN CONCRETE FLOOR AND STUBBED UP IN VOID MILLWORK SPACE AT THE LOCATION SHOWN. ADDITIONAL CONDUITS AND WIRING PROVIDING POWER FOR THE FRIDGE AND MICROWAVE SHALL FOLLOW THE SAME ROUTE.
 - TRAFFIC RECORDING SYSTEM CAPABLE OF INDEPENDENTLY MONITORING FOUR LANES OF TRAFFIC AND STORING AT LEAST ONE YEAR OF TRAFFIC STATISTICS. TRAFFIC RECORDING SYSTEM TO BE HARDWIRED TO A 15A/1P CIRCUIT AND PROVIDE A 1.8m LONG USB CABLE. TRAFFIC RECORDING SYSTEM TO BE MOUNTED IN MILLWORK UNDER THE DESK. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. STANDARD OF ACCEPTANCE TO BE INTERNATIONAL ROAD DYNAMICS INC. TRS RACK 11.
 - ALL EXTERIOR LIGHTS TO BE CONTROLLED BY PHOTOCELL. PHOTOCELL TO BE TEMPERATURE COMPENSATED, THERMAL TYPE, INTERMATIC #K4251 OR APPROVED EQUAL.
 - CONFIRM MOUNTING HEIGHT ON SITE PRIOR TO ROUGH-IN.
 - NEW 120V, SINGLE PHASE, 0.27A EXHAUST FAN. WIRE WITH 2#12, 1#14 IN 16mmC TO CIRCUIT A-2 THROUGH WALL MOUNTED OCCUPANCY SENSOR.
 - NEW 120V, SINGLE PHASE, 1.5KW DHWH-1. WIRE WITH 2#12, 1#14 IN 16mmC TO CIRCUIT A-14.
 - EXTEND AND RECONNECT EXISTING WIRING FROM CIRCUIT A-16,18 TO WELL PUMP AND ASSOCIATED EQUIPMENT. REFER TO DETAIL 1/M/1M FOR ADDITIONAL INFORMATION. CONFIRM EXACT LOCATION OF EQUIPMENT BEFORE STARTING ELECTRICAL ROUGH-IN. CONCEAL EQUIPMENT WITHIN MILLWORK.
 - CONFIRM MOUNTING HEIGHT OF RECEPTACLE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. CONCEAL WITHIN CABINET.
 - PROVIDE THREE SINGLE POLE, DECORA TOGGLE SWITCHES TO CONTROL GATE ARM POWER. SWITCHES TO BE LABELED AS FOLLOWS:
GATE ARM EAST
GATE ARM MID
GATE ARM WEST
 - PROVIDE JUNCTION BOX AND TWO (2) 27mm RIGID PVC CONDUITS RECESSED IN THE WALL AT 610mm AFF FOR FUTURE AFC MACHINE.



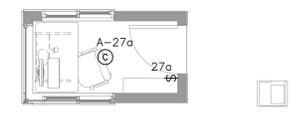
FLOOR PLAN - POWER
SCALE : 1:50
E1 E3



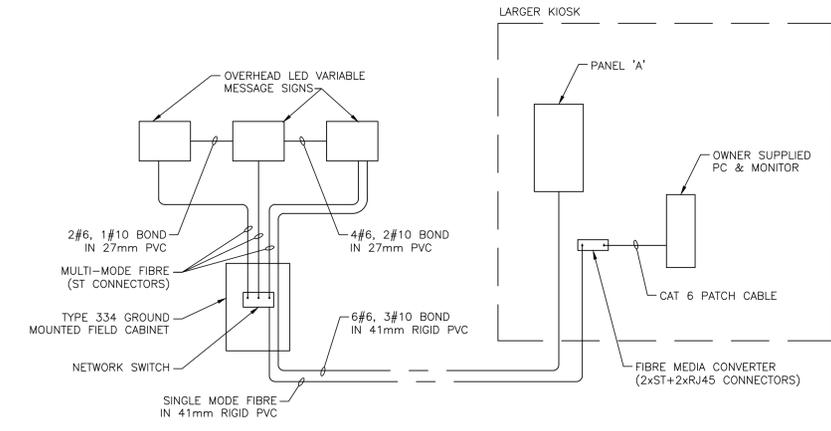
FLOOR PLAN - LIGHTING
SCALE : 1:50
E1 E3



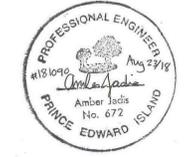
FLOOR PLAN - POWER
SCALE : 1:50
E1 E3



FLOOR PLAN - LIGHTING
SCALE : 1:50
E1 E3



LED VARIABLE MESSAGE SIGNS WIRING DIAGRAM
SCALE : N.T.S.
E1 E3



0	ISSUED FOR TENDER	08/23/2018
revisions		date

project
PARKS CANADA AGENCY ENTRANCES & KIOSKS
GRAHAM'S LANE
CAVENDISH, PE

drawing
ELECTRICAL FLOOR PLANS & DETAILS
design

designed A.D.J., P.ENG	congr
date August 15, 2018	
drawn M.E.M., C.E.T.	dessiné
date August 15, 2018	
approved A.D.J., P.ENG	approuvé

date	Submission
Tender	
PCA Project Manager	Administrateur de projets APC
project number	no. du projet
181090	
drawing no.	no. du dessin
E3	