



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions/Travaux
publics et Services gouvernementaux Canada
The Cambridge Building
3 Queen Street/3, rue Queen
Charlottetown
Prince Edward Island
C1A 4A2

SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise
indicated, all other terms and conditions of the Solicitation
remain the same.

Ce document est par la présente révisé; sauf indication contraire,
les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

All enquiries are to be submitted in writing to the
Contracting Authority, Crystal Bysterveldt, either by
facsimile or by e-mail at:
crystal.bysterveldt@pwgsc.gc.ca.

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Public Works and Government Services Canada
The Cambridge Building
3 Queen Street/3 rue, Queen
PO Box 1268/CP 1268
Charlottetown
Prince Ed
C1A 4A2

Title - Sujet Const. (Phase 2)-Green Gables, PEI	
Solicitation No. - N° de l'invitation ED001-181274/A	Amendment No. - N° modif. 005
Client Reference No. - N° de référence du client R.081199.001	Date 2017-10-12
GETS Reference No. - N° de référence de SEAG PW-SPWC-024-4190	
File No. - N° de dossier PWC-7-40074 (024)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-10-18	Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Bysterveldt (PWC), Crystal	Buyer Id - Id de l'acheteur pwc024
Telephone No. - N° de téléphone (902) 940-7122 ()	FAX No. - N° de FAX (902) 566-7514
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

THIS ADDENDUM IS RAISED TO PROVIDE THE FOLLOWING ANSWERS TO QUESTIONS PROVIDED BY BIDDERS.

THE FOLLOWING CHANGES IN THE TENDER DOCUMENTS ARE EFFECTIVE IMMEDIATELY. THIS ADDENDUM WILL FORM PART OF THE CONTRACT DOCUMENTS.

DRAWINGS

1. **Question:** Is the HDPE pipe, CSA B182.8 certified, approved for the storm sewer infrastructure?
Answer: Yes, please see Amendment No. 004, dated 2017-10-11.
2. **Question:** Would the HydroStor chamber product be approved for the retention system on page C17 of 20?
Answer: Chambers are acceptable, please see Amendment No. 004, dated 2017-10-11. A review of specific product brands/names will be completed in shop drawing submission phase. It is the bidder's responsibility to ensure products meet the specifications.
3. **Question:** What is the volume of the retention system?
Answer: 35 cubic meters volume, please see Amendment No. 004, dated 2017-10-11.
4. **Question:** What is the minimum surface area (cm²) per meters for the perforation? The standard is 32 cm²/m.
Answer: Yes the minimum standard is 32 cm²/m, please see Amendment No. 004, dated 2017-10-11.
5. **Question:** I am looking for information in regards to the louvers (L2 & L3) on this project. There is no size indicated on the schedule. Looking to see if you would be able to provide this information. It is showing that it should be indicated on the architectural drawings, but I was unsuccessful in locating the information.
Answer: The Louvre is shown on drawing 3/A05 and CV/A11. The height is 2395mm. The width at the top is 365mm and at the bottom is 580mm.

ADDITIONAL NOTES TO DRAWINGS:

Mechanical: See new drawing MSK01 attached below.

1. Reference Drawing P02: Add ball valve to DCW pipe in corridor E120 at gridline L.
2. Reference Drawing P02: Add ball valve stop at P-8 to isolate water fountains.
3. Reference Drawing P02: Route 38mm DCW and 12mm DHW lines running through the Comm Rm E103 to the Hall E100.
4. Reference Drawing P03, detail 4: Mount trap primers at 1000 AFF.
5. Reference Drawing M01: exhaust ductwork above WR's and Janitor Room to sized as per sketch MSK-01.

6. Reference Drawing M01: return grille at HRV-3 is named R-3.
7. Reference Drawing M01: return grille on wall in meeting room E116 is named R-4 and is louvered return grille 600 x 300.
8. Reference Drawing M01: return grilles R-1 in electrical room to be fire rated.
9. Reference Drawing M01: increase the size of HRV-1 intake louver L-6 to 900 x 800 with a 600mm deep plenum.
10. Reference Drawing M05, detail 5: Minimum bury depth to be 600mm. Slope at 1:100. HDPE duct to be used for all buried ductwork and to transition to galvanized steel immediately.
11. Drawing P03 Plumbing Schedule and Specification Section 22 42 00– Commercial Plumbing Fixtures – Par. 2.03.1.1 – Provide quarter-turn ball valve stops for all plumbing fixtures.

Electrical: see new drawings ESK01 to ESK06 attached below.

Reference Drawing ES01

1. Revise drawing per attached sketch ESK01.

Reference Drawing EL01

1. Revise drawing per attached sketches ESK02 and ESK03.

Reference Drawing EG07

1. Revise drawing per attached sketch ESK04

Reference Drawing EG02

1. Add Detail 7 per attached sketch ESK05.
2. Add Detail 8 per attached sketch ESK06.

SPECIFICATIONS:

Reference Specification Section 48 14 13

1. Page 1, Section 1.1.3.6

Delete: PV system grounding

Replace with: PV system bonding.

2. Page 1, Section 2.1.2

Delete: Electrical equipment, wiring, conduit and grounding to comply with Division 26 - Electrical.

Replace with: "Electrical equipment, wiring, conduit and bonding to comply with Division 26 – Electrical."

3. **Add clause 2.1.3 as follows:** "Components shall be CSA and/or ULC certified or approved for applicable use."

4. **Add clause 2.1.4 as follows:** "Solar power system shall operate at 0.9 minimum power factor."

5. Page 1, Section 2.2.1.4

Delete: Weather resistant junction box (NEMA3R).

Replace with: "Weather resistant junction box (CSA3R)."

6. **Add clause 2.2.2.11 as follows:** "Output voltage distortion shall be limited to and capable of withstanding +/-5% continuous."

7. **Add clause 2.2.3 as follows:** "Protection:"

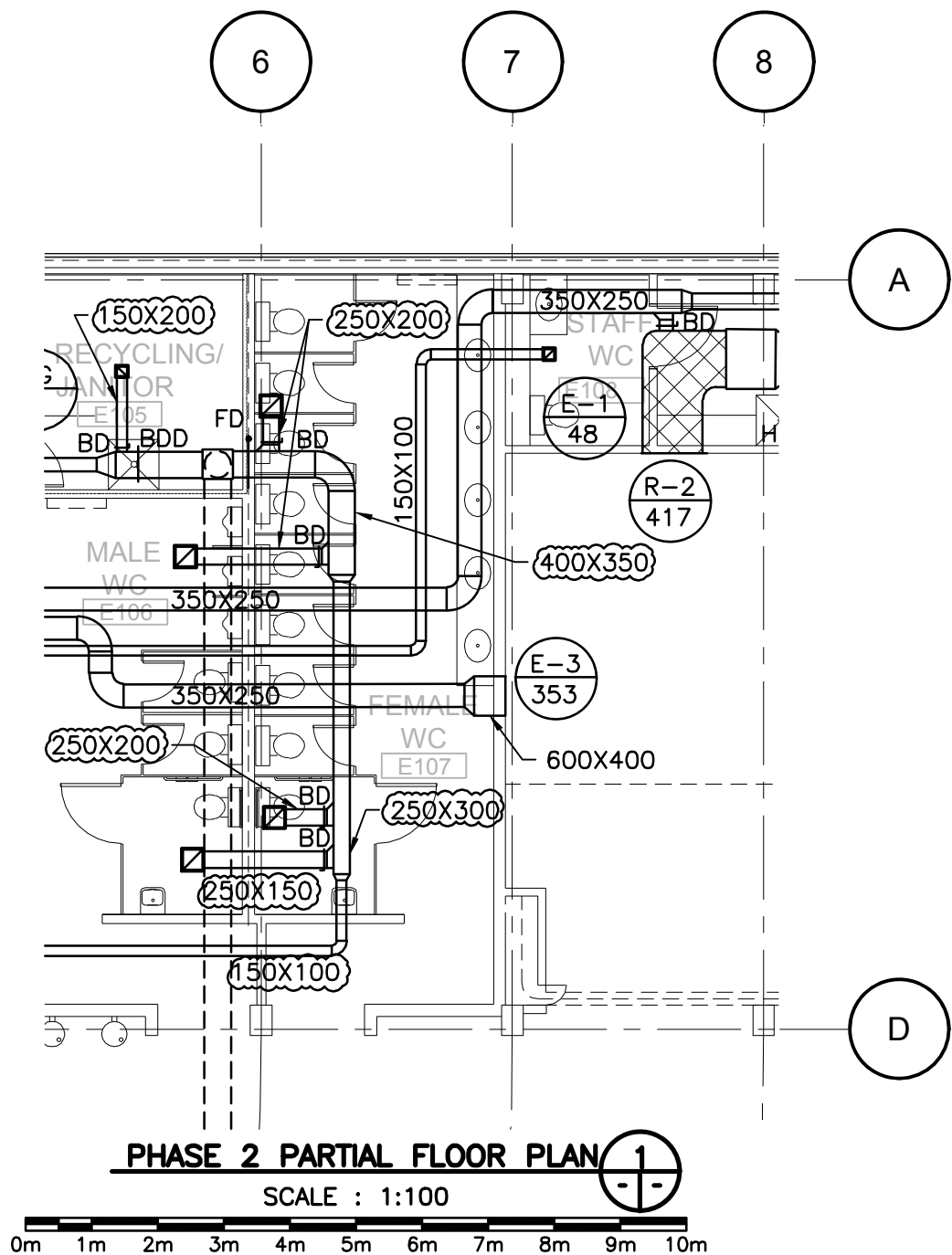
1. **Add clause 2.2.3.1 as follows:** "Micro-inverters or auxiliary devices shall disconnect all photovoltaic generation in the event of loss of any one phase or more of utility supply."
2. **Add clause 2.2.3.2 as follows:** "Micro-inverters or auxiliary devices shall disconnect all photovoltaic generation in the event of under or over frequency of utility supply."
3. **Add clause 2.2.3.2 as follows:** "Micro-inverters or auxiliary devices shall disconnect all photovoltaic generation in the event of under or over voltage of utility supply."


8. Page 1, Section 3.1.1

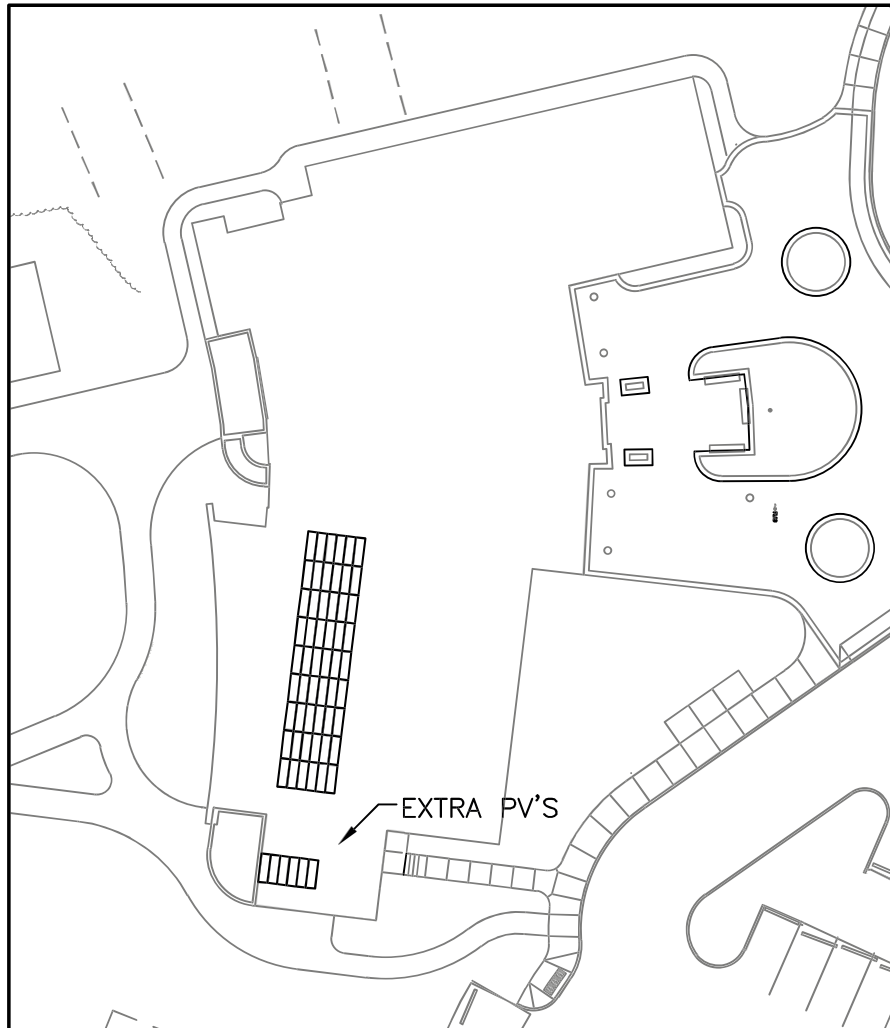
Delete: Install all system components as indicated on the drawings and in accordance with the manufacturer's requirements.

Replace with: "Install all system components as indicated on the drawings, in accordance with the manufacturer's requirements, and to the requirements of the current edition of the Canadian Electrical Code Part 1."

9. **Add clause 3.1.6 as follows:** "Interface control system and implement software in compliance with Division 27."



 Public Works and Government Services Canada Travaux publics et Services gouvernementaux Canada		Drawing title MECHANICAL DUCT SIZES		designed CJR		date OCT-2017
project GREEN GABLES-PHASE 2 NEW VISITOR CENTRE QUEENS CO., PEI		drawn DTA		date OCT-2017	approved approved	
project number R.081199.001		no. du projet R.081199.001		drawing no. MSK01		date OCT-2017
Tender PWGSC Project Manager		Submission Administrateur de projets TPSGC		no. du dessin		



PHASE 2 PARTIAL SITE PLAN

SCALE : 1:500



	Public Works and Government Services Canada	Travaux publics et Services gouvernementaux Canada	Drawing title Titre du dessin ELECTRICAL PV PANELS		designed JAS drawn ALW approved conçu dessiné approuvé 	date MAR-2017 date MAR-2017 date 			
project	GREEN GABLES-PHASE 2 NEW VISITOR CENTRE		projet	Tender	Soumission	PWGSC Project Manager	Administrateur de projets TPSGC		
	QUEENS CO., PEI			project number	no. du projet	R.081199.001	drawing no.	no. du dessin	ESK01



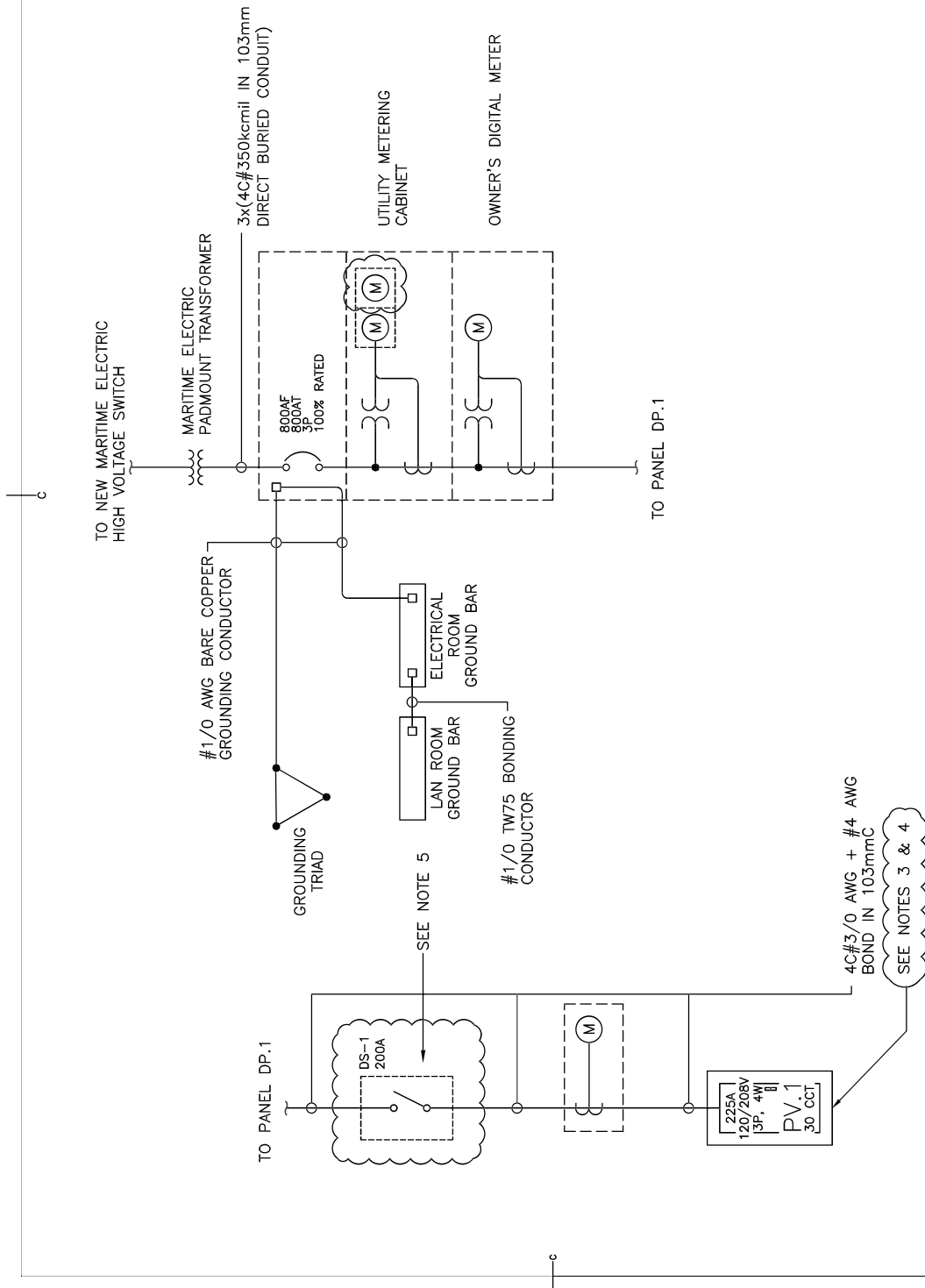
SCALE : 1:100

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

PMSC L3 (2004)

0 20m 40 60 80 100 120 140 160 180 200m

revisions	date	project	date
project		project	
GREEN CABLES-PHASE 2 NEW VISITOR CENTRE			
QUEENS CO., PEI			
drawing		dessin	
ELECTRICAL LIGHTING			
designed JAS		conçu	
date OCT-2017			
drawn ALW		dessiné	
date OCT-2017			
approved		approuvé	
date			
Tender		Submission	
PMSC Project Manager		Administrateur de projets PMSC	
project number		no. du projet	
R.081199.001			
drawing no.		no. du dessin	
ESK02			
E-DRM/GSD-E: S511633			



SCHEMATIC- PARTIAL SINGLE LINE DIAGRAM

SCALE : N.T.S.

1
ES07 ES07

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

- NOTES:**
1. SPD BREAKER TO BE DETERMINED BY SPD MANUFACTURER.
 2. DIGITAL METER TO BE INTEGRATED INTO TPL. 1.
 3. MAIN BREAKER MUST HAVE SHUNT TRIP CAPABILITY.
 4. PROVIDE AND INSTALL ONE (1) 3-POLE BREAKER FOR 27/59/810/U PROTECTION RELAYS. DISCONNECT SWITCH TO BE CLEARLY LABELED "NET- METERING SYSTEM DISCONNECT"

project
**GREEN CABLES-PHASE 2
NEW VISITOR
CENTRE**

revisions
QUEENS CO., PEI

drawing
ELECTRICAL

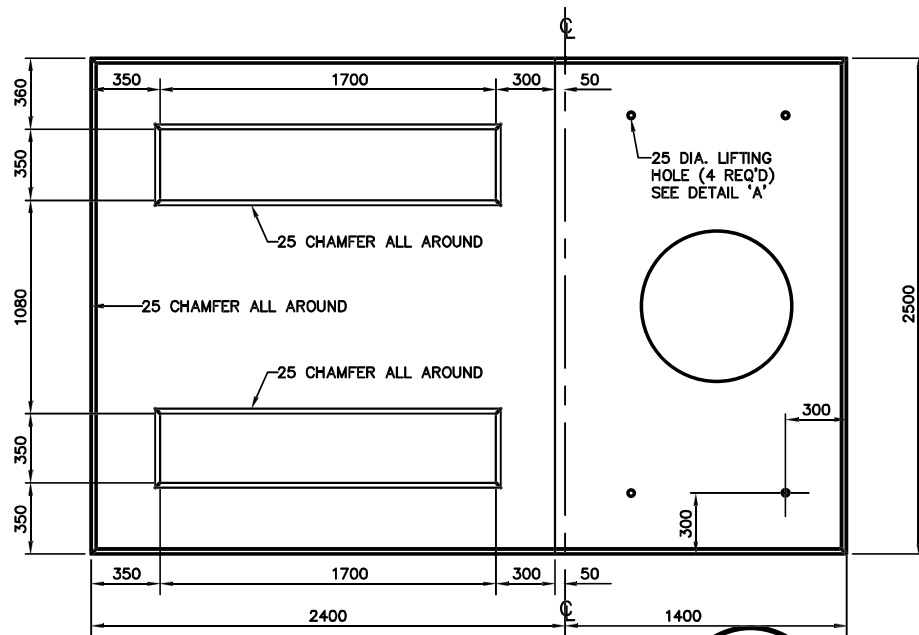
design
PARTIAL SINGLE LINE

designed	JAS
date	OCT-2017
drawn	CRP
date	OCT-2017
approved	
date	

Submission
Tender
PMSC Project Manager
Administrateur de projets TPSCC
project number
R.081199.001

drawing no.
ESK04

E-DRW/000-E: 551163

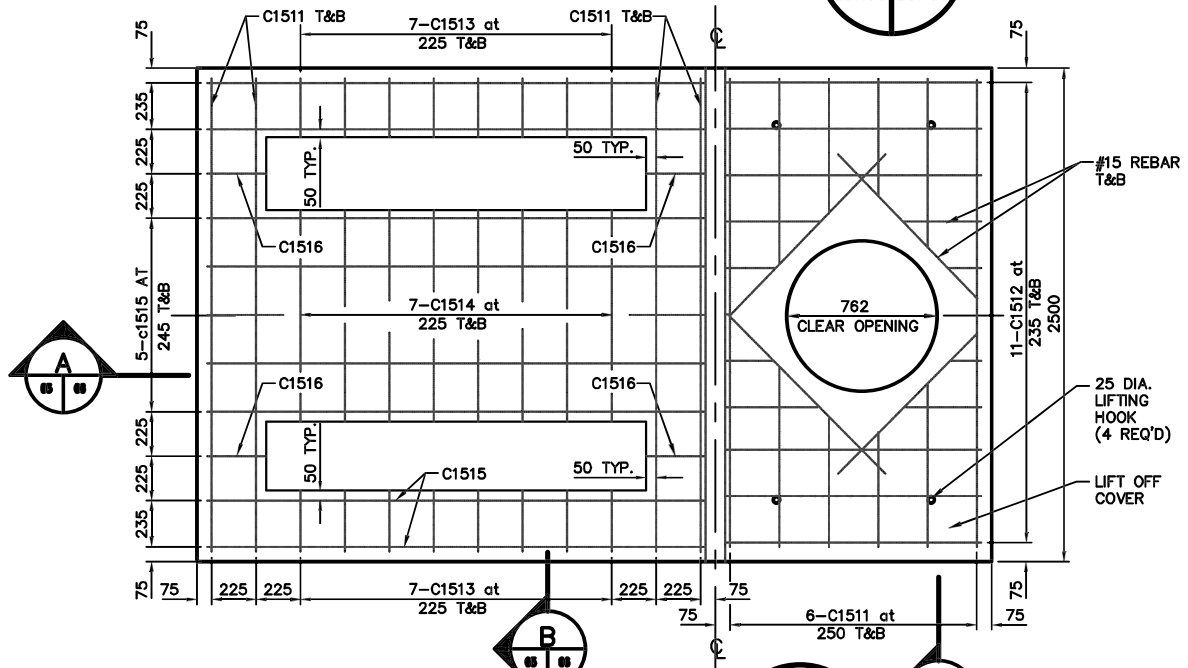


PAD OPENING DETAILS

1

ESK05/ESK06

SCALE : N.T.S.



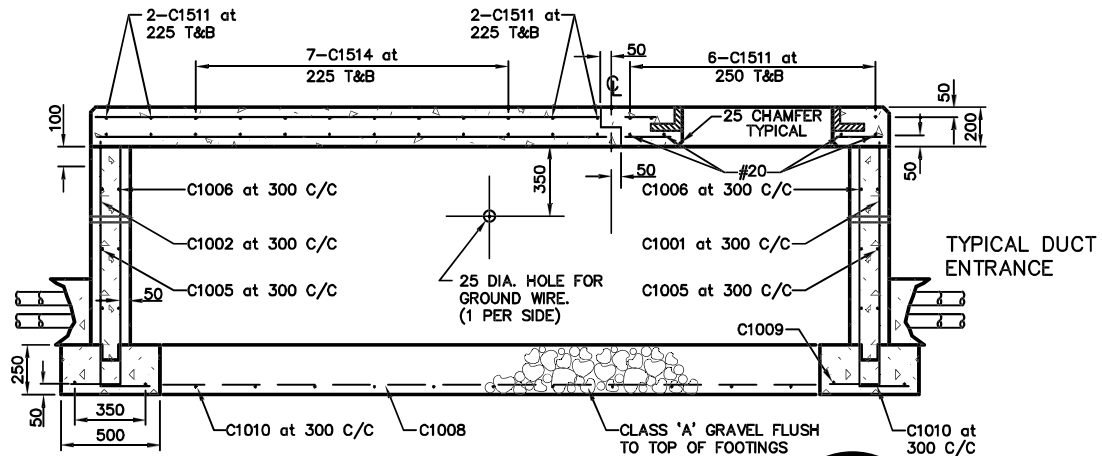
PAD REINFORCING DETAILS

2

ESK05/ESK06

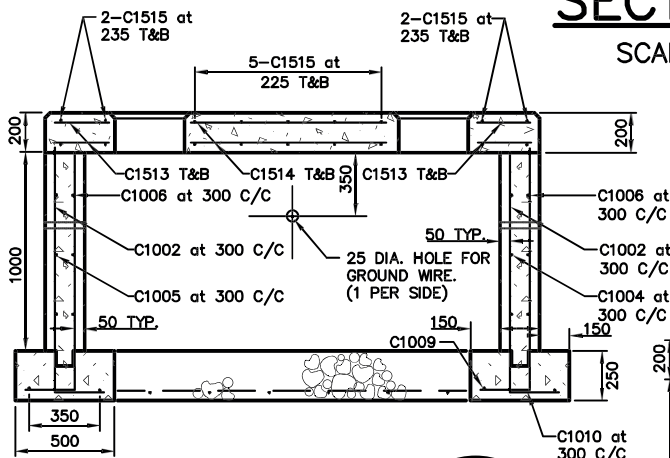
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	Public Works and Government Services Canada	Travaux publics et Services gouvernementaux Canada	Drawing title Titre du dessin 3-PHASE, 4-WAY PADMOUNTED SWITCHGEAR CONCRETE PAD (1 OF 2)				designed JAS	conçu MAR-2017	date MAR-2017
project GREEN GABLES-PHASE 2 NEW VISITOR CENTRE QUEENS CO., PEI	project	Tender PWGSC Project Manager project number R.081199.001				drawn ALW	dessiné MAR-2017	date	date
project number R.081199.001			no. du projet drawing no. ESK05				no. du dessin Soumission Administrateur de projets TPSGC		



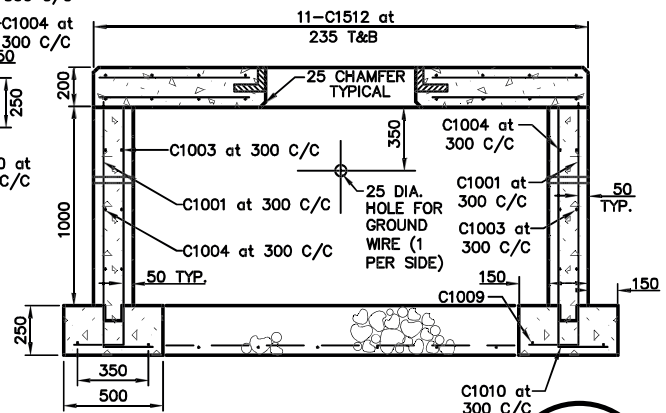
SECTION 'A'

SCALE : N.T.S.



SECTION 'B'

SCALE : N.T.S.




SECTION 'C'

SCALE : N.T.S.



NOTES:

- CONCRETE - 30 MPa @ 28 DAYS
- REFER TO DETAIL 2, THIS DRAWING, FOR REINFORCING DETAILS.
- LEAVE A MINIMUM OF 2m OF SECONDARY CABLE ABOVE DUCTS.
- EXTEND RIGID PVC CONDUIT TO TURBINE FOUNDATION AND CONNECT TO EMBEDDED FOUNDATION CONDUIT. PROVIDE FACTORY BENDS AND PVC CONDUIT TO DBII (SUPERDUCT) REDUCING ADAPTER COUPLINGS AS REQUIRED. ALL CONDUIT NOT EMBEDDED IN CONCRETE OR CRUSHED ROCK SHALL BE SURROUNDED BY 150mm OF SAND (MIN.).
- USE #15 REBAR, TOP & BOTTOM WITH THE EXCEPTION OF FOUR PIECES OF #20 REBAR USED IN THE BOTTOM.
- EXTEND REBAR TO WITHIN 50mm OF MANHOLE OPENING.

 Public Works and Government Services Canada		Travaux publics et Services gouvernementaux Canada		Drawing title		designed		conçu		date					
project GREEN GABLES—PHASE 2 NEW VISITOR CENTRE QUEENS CO., PEI		project 3—PHASE, 4—WAY PADMOUNTED SWITCHGEAR CONCRETE PAD (2 OF 2)		Titre du dessin		JAS				MAR—2017					
						drawn		dessiné		date					
						ALW				MAR—2017					
				approved		approuvé		date							
				Tender								Soumission			
				PWGSC Project Manager								Administrateur de projets TPSGC			
				project number				no. du projet				drawing no.		no. du dessin	
				R.081199.001								ESK06			