



1 LOCATION - KIOSK #97
E01 1:250
0 2.5m 5m 7.5m 12.5m

- GENERAL NOTES:**
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO REMAIN IS SHOWN IN THIN SOLID LINES.
 - EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
 - EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
 - ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

- SPECIFIC NOTES:**
- CONTRACTOR TO REMOVE THE EXISTING KIOSK BOX CONTAINING THE TIME CLOCK AND PANEL FEEDING THE PARKING LOT LIGHTING. CONTRACTOR TO ENSURE NOT TO DAMAGE THE FEEDERS TO THE PARKING LOT LIGHTING & THE CONDUIT TO PANEL A.
 - CONTRACTOR TO REPLACE THE KIOSK BOX WITH A 12"x12"x6" JUNCTION BOX WITH A STAINLESS STEEL CHECKER COVER TO MATCH THE EXISTING ONSITE.
 - CONTRACTOR TO LOCATE THE NEW JUNCTION BOX TO ALLOW THE PARKING LOT LIGHTING FEEDER TO BE RELOCATED WITHOUT HAVING TO SPLICE.
 - CONTRACTOR TO REPLACE THE EXISTING 2 POLE, 60A BREAKER FEEDING THE KIOSK BOX WITH 2x20A BREAKERS (TO MATCH EXISTING) AND ALSO PROVIDE A NEW 2 CIRCUIT TIME CLOCK TO FEED THE EXISTING PARKING LOT LIGHTING.
 - CONTRACTOR TO PULL OUT THE EXISTING FEEDER FROM PANEL A TO THE KOSK BOX, REROUTE THE CONDUIT WITHIN THE ELECTRICAL ROOM TO ALLOW FOR THE NEW TIME CLOCK INSTALLATION AND REROUTE OR EXTEND THE EXISTING CONDUIT TO THE NEW JUNCTION BOX TO ALLOW FOR THE CONNECTION OF THE PARKING LOT LIGHTING.
 - CONTRACTOR TO PROVIDE GRANULAR A MATERIAL AND COMPACT TO 95% TO FILL EXISTING CAVITY. TOP 150mm TO GRADE USING TOP SOIL AND COVER WITH SOD.

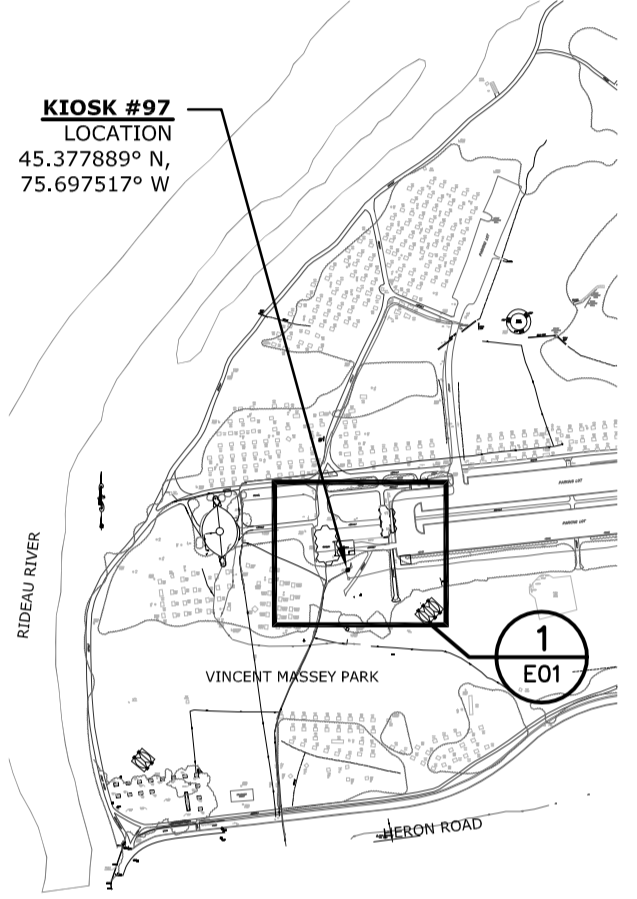


Capital Planning and Real Asset Management Branch
Direction de l'aménagement de la capitale et gestion de l'immobilier

Design and Construction Division
Division design et construction

director - Daniel Miron - directeur

consultant
expert-conseil



no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

project
projet

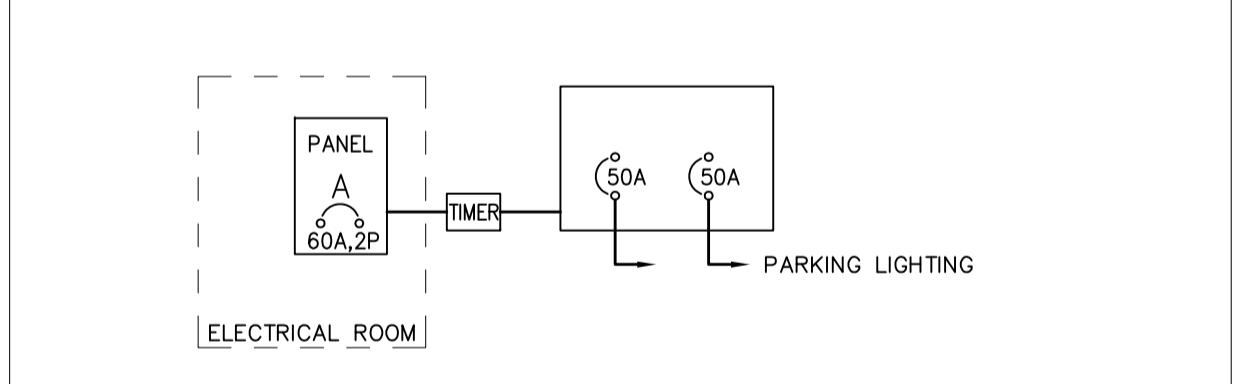
ELECTRICAL KIOSK REPLACEMENT - CORE AREA -

drawing
dessin

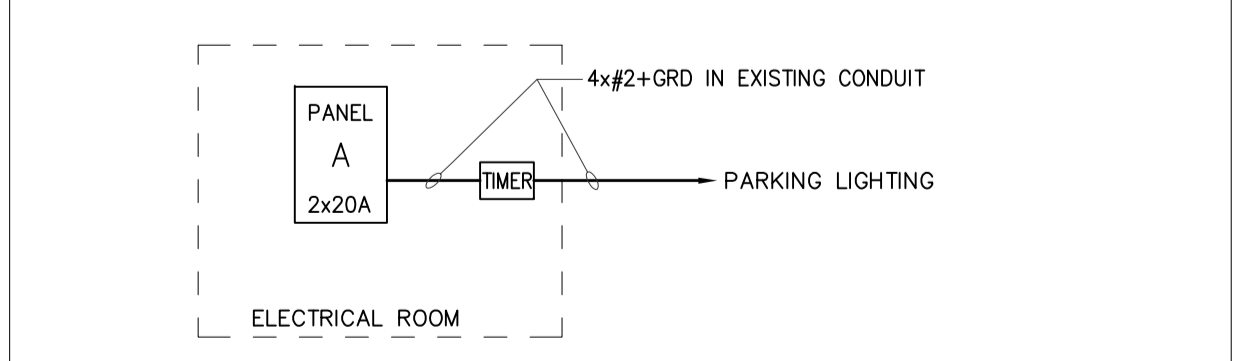
KIOSK #97 (Vincent Massey Park)

approved by
approuvé par James Huynh
designed by
conçu par D.G.
drawn by
dessiné par G.G.
date 2013-09-13 scale
échelle As Shown

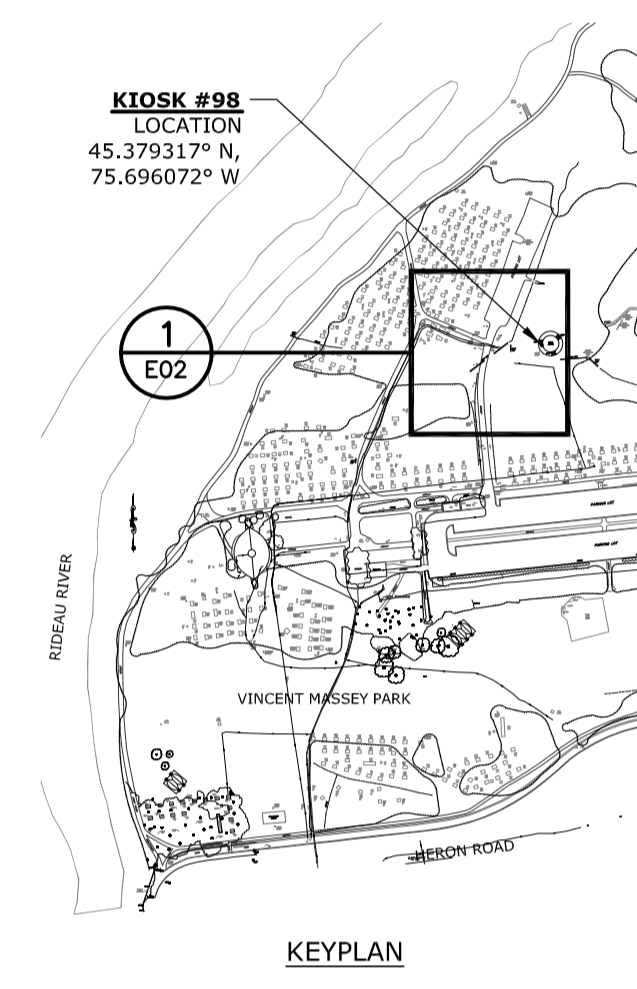
NCC project no.
no. du projet de la CCN DC4000-19
sheet no.
no. de la feuille E01



5 KIOSK #97 EXISTING SINGLE LINE DIAGRAM
E01 N.T.S.



6 KIOSK #97 NEW SINGLE LINE DIAGRAM
E01 N.T.S.



issued or revised
émis ou révisé

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

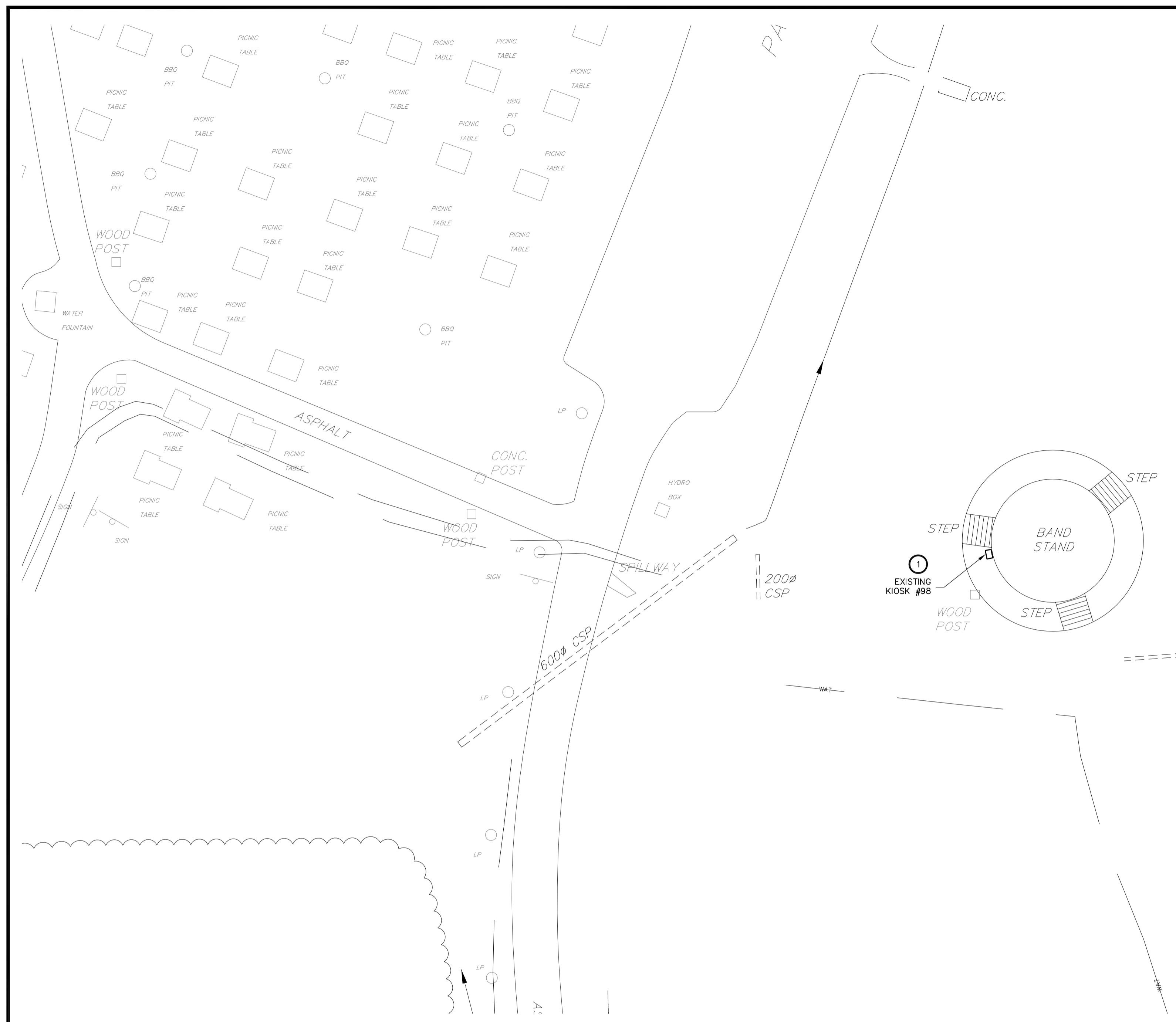
project
projet

**ELECTRICAL KIOSK
REPLACEMENT
- CORE AREA -**

drawing
dessin

**KIOSK #98
(Vincent Massey Park)**

approved by
approuvé par James Huynh
designed by
conçu par D.G.
drawn by
dessiné par G.G.
date 2013-08-13 scale
échelle As Shown
NCC project no. sheet no.
no. du projet de la CCN no. de la feuille
DC4000-19 **E02**



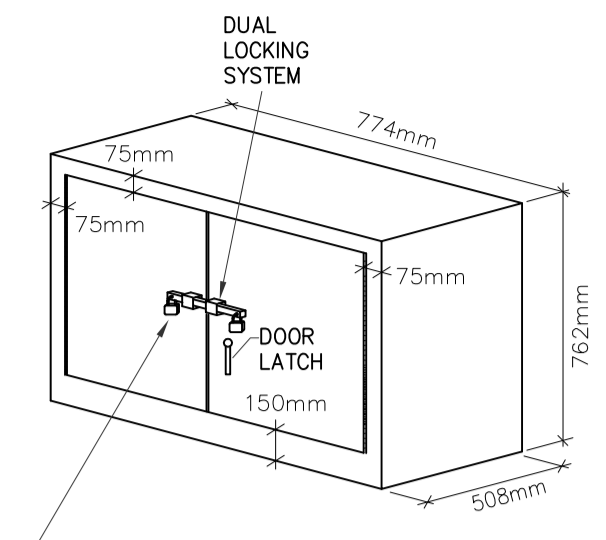
1 LOCATION - KIOSK #98
E02 1:250
0 2.5m 5m 7.5m 12.5m

GENERAL NOTES:

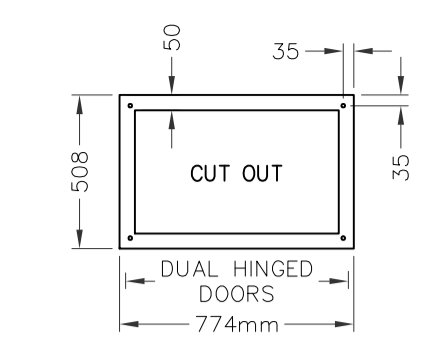
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- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

4 SPECIFIC NOTES:

- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" WITH NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT". NEW KIOSK TO BE INSTALLED ON A BACK PLATE AS THE EXISTING WIRING ENTERS BEHIND THE BACK PLATE. EXACT DIMENSIONS ARE TO BE COORDINATED ON SITE. CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 7x15A AND 4x20A BREAKERS IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.



3D VIEW
(NOTE 2)

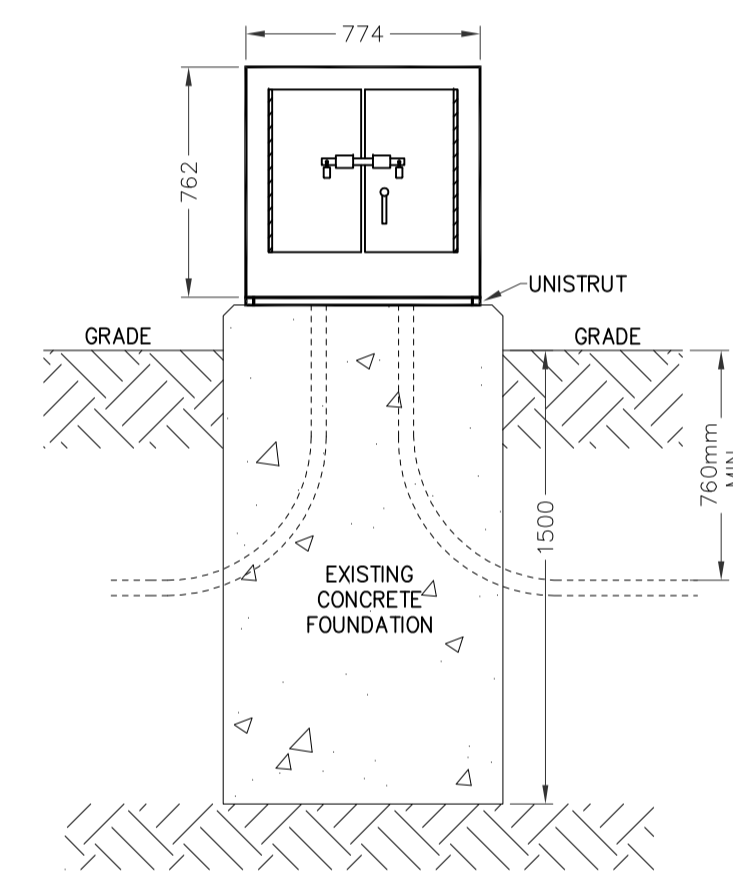


BOTTOM PLAN VIEW

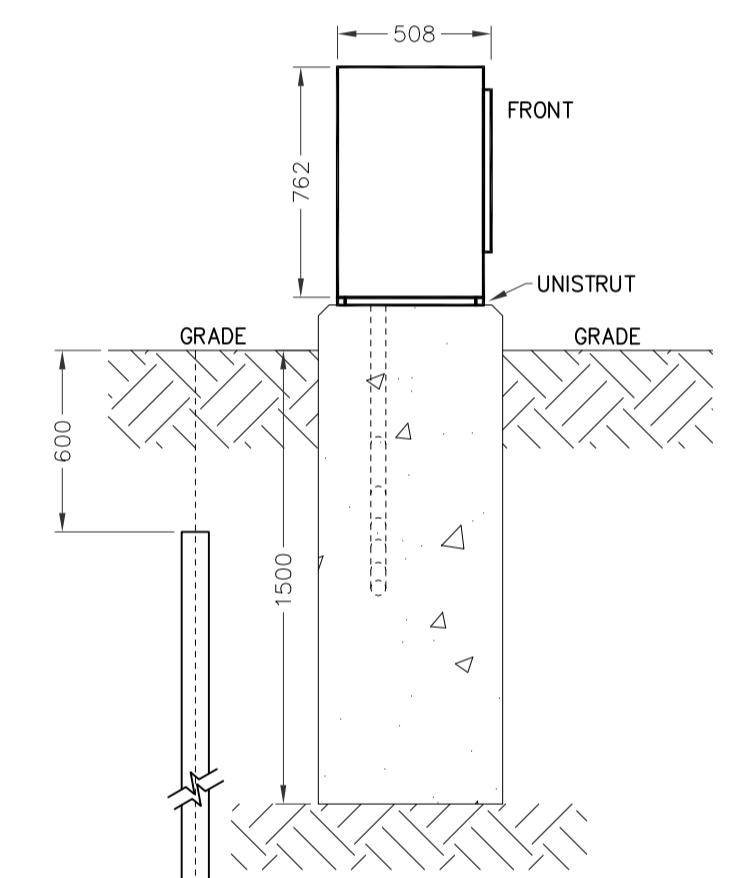
NOTE:

- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMAC/NEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSELL 9GY 1.5/2/6
 - GREEN OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE C/W COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCELL
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
- INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET. LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT. ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

**2 NEW OUTDOOR PEDESTAL MOUNTED
KIOSK ENCLOSURE - CONSTRUCTION DETAIL**
E02 N.T.S.



EXTERNAL FRONT FACE

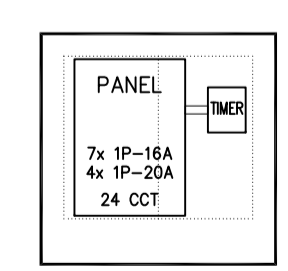


SIDE ELEVATION

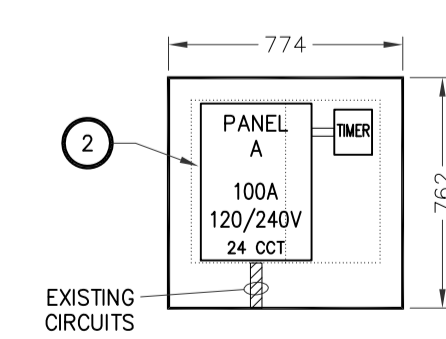
NOTE:

- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

3 NEW KIOSK INSTALLATION DETAIL
E02 N.T.S.

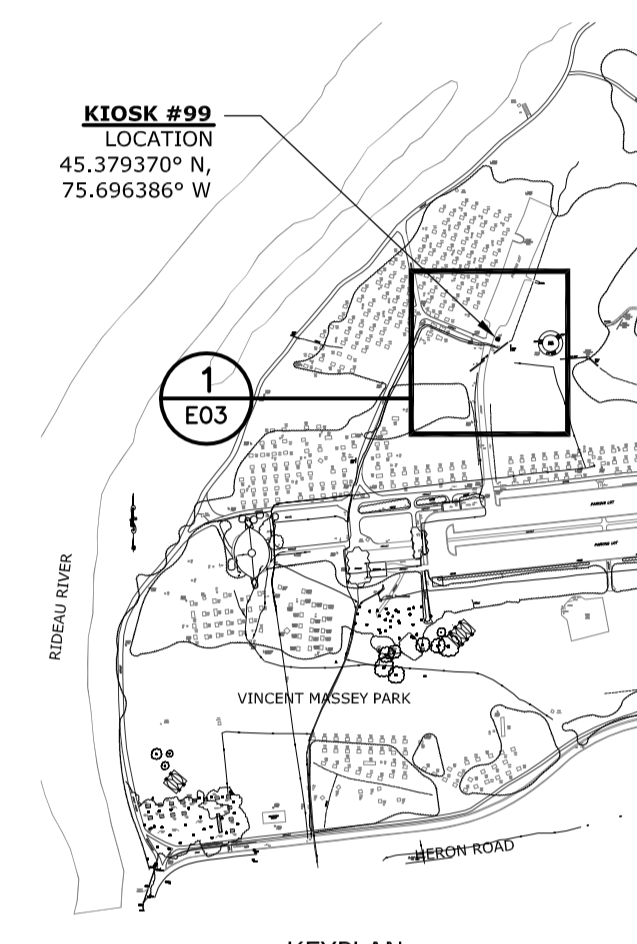


EXISTING LAYOUT



NEW LAYOUT

4 INTERNAL LAYOUTS FOR KIOSK #98
E02 N.T.S.



Issued or revised / émis ou révisé		
no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

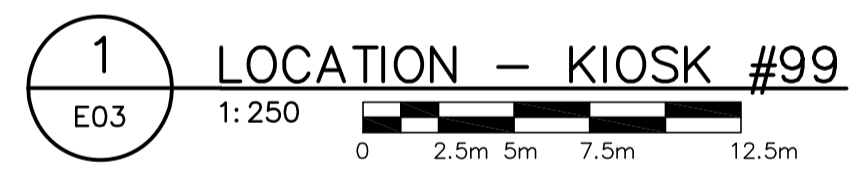
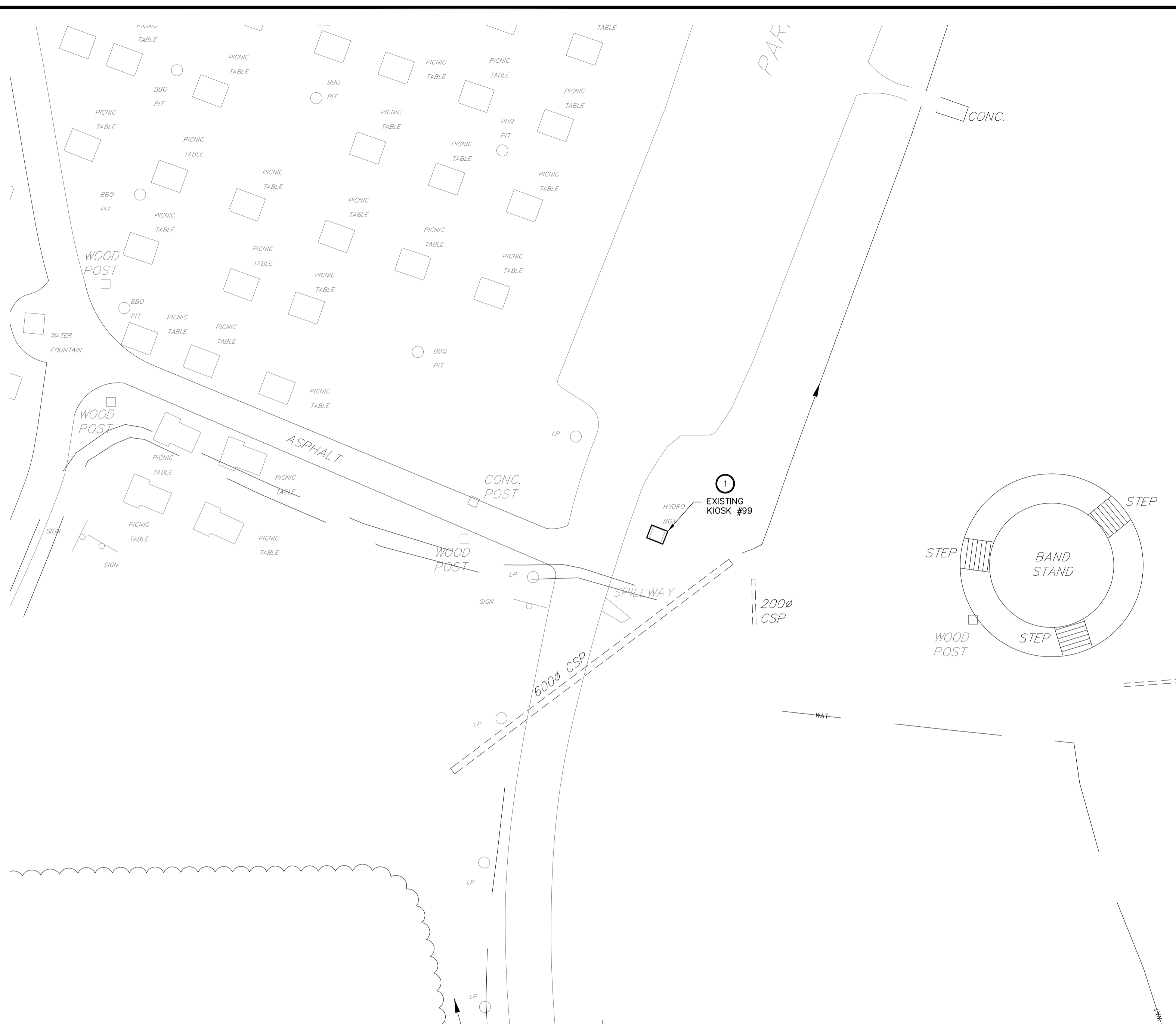
project / projet

ELECTRICAL KIOSK REPLACEMENT - CORE AREA -

drawing / dessin

**KIOSK #99
(Vincent Massey Park)**

approved by / approuvé par: James Huynh
designed by / conçu par: D.G.
drawn by / dessiné par: G.G.
date: 2013-08-13 scale / échelle: As Shown
NCC project no. / no. du projet de la CCN: DC4000-19 sheet no. / no. de la feuille: E03

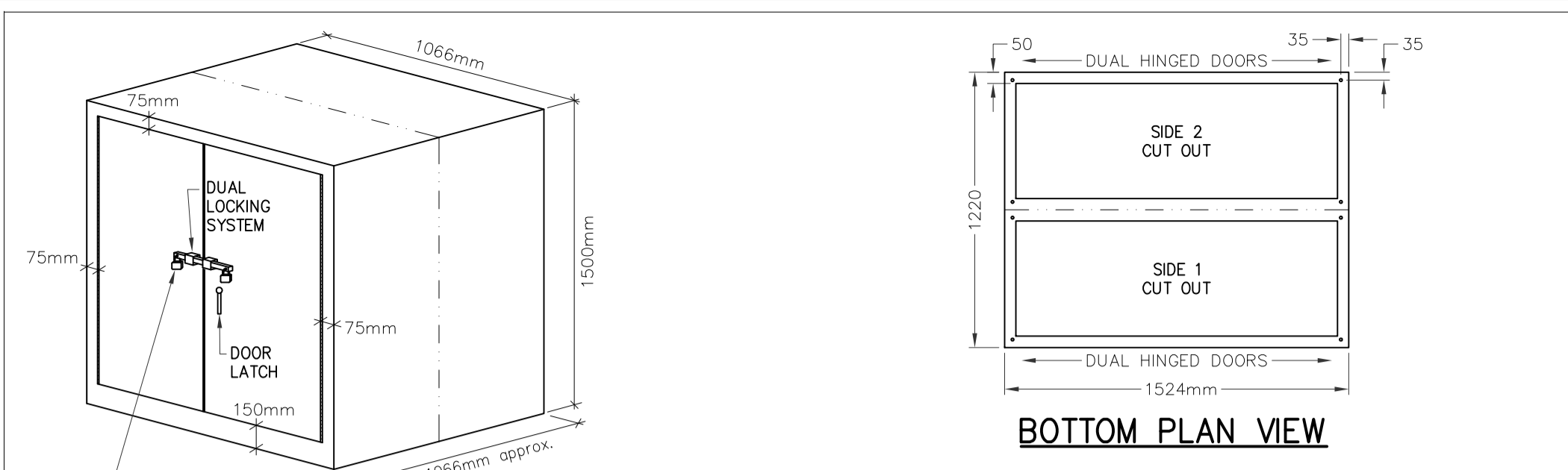
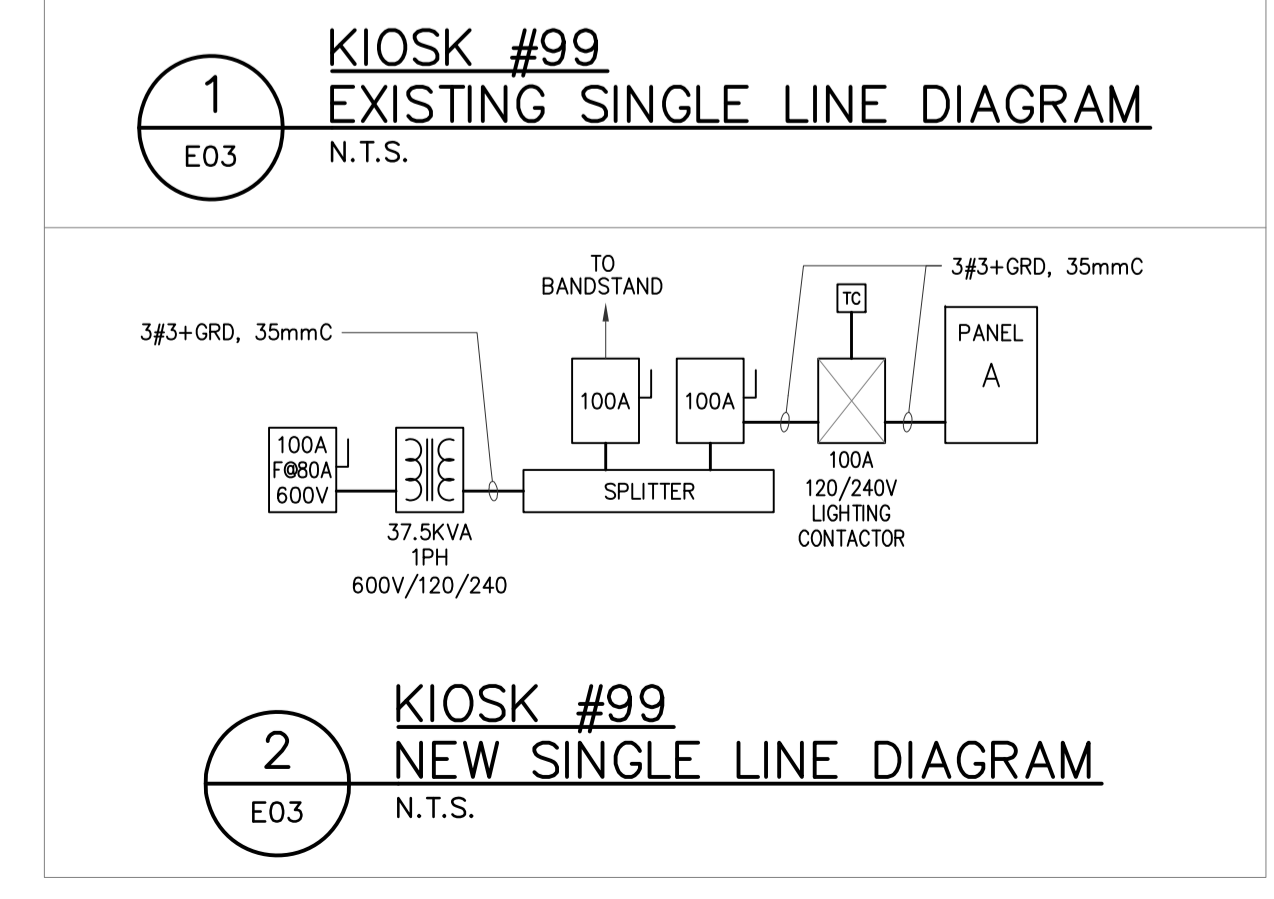
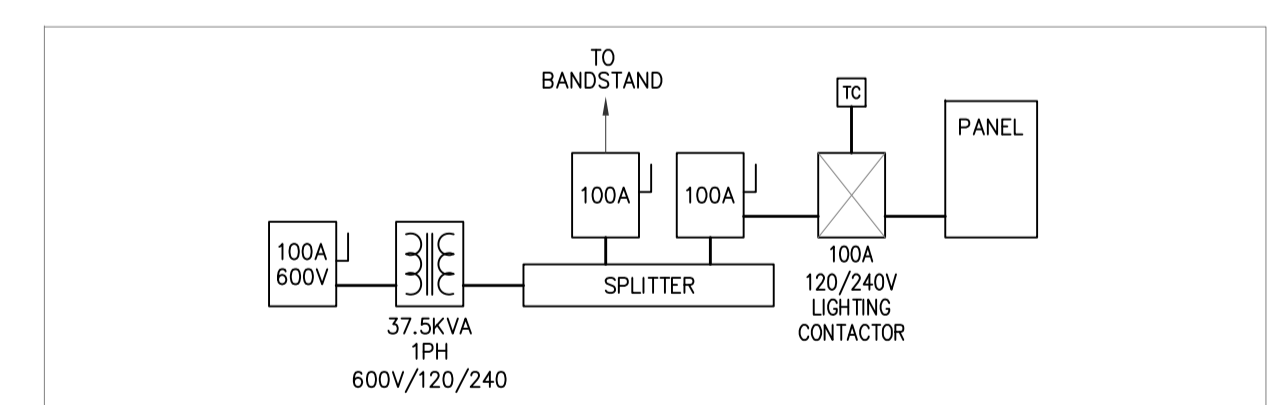


GENERAL NOTES:

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- EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

SPECIFIC NOTES:

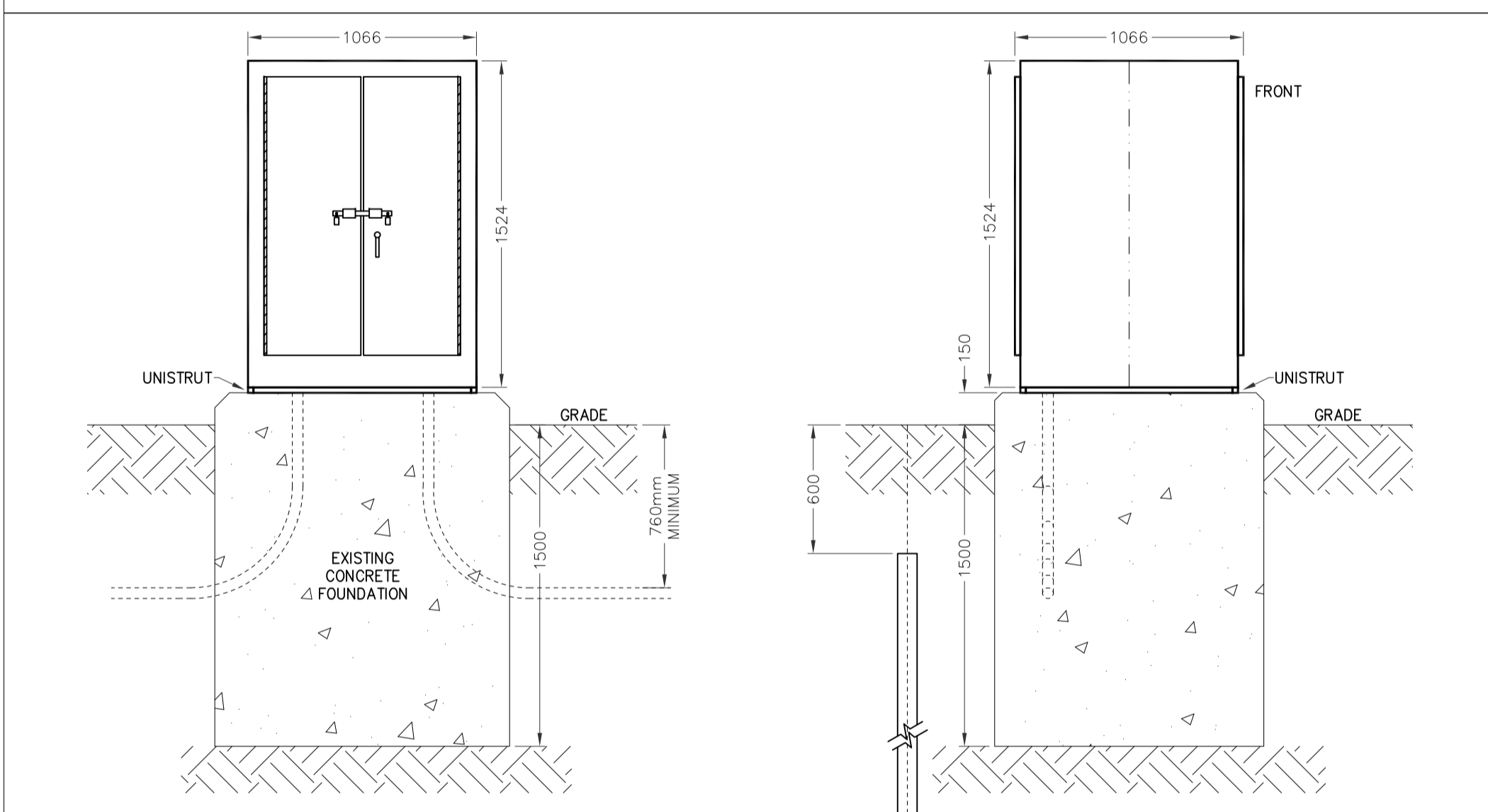
- CONTRACTOR TO REPLACE THE EXISTING 2 KIOSKS C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E03) WITH 1 NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E03). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 3x15A BREAKERS AND 1x15A/2P IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.



NOTE:

- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMAC/NEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSSELL 9GY 1.5/2/6 GREEN OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE C/W COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCELL
 - 1kW, 240V, FORCED AIR HEATER WITH INTEGRATED THERMOSTAT IN DRY TYPE TRANSFORMER SECTION OF KIOSK
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
- INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT, ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

2
E03
**NEW OUTDOOR PEDESTAL MOUNTED
KIOSK ENCLOSURE - CONSTRUCTION DETAIL**
N.T.S.

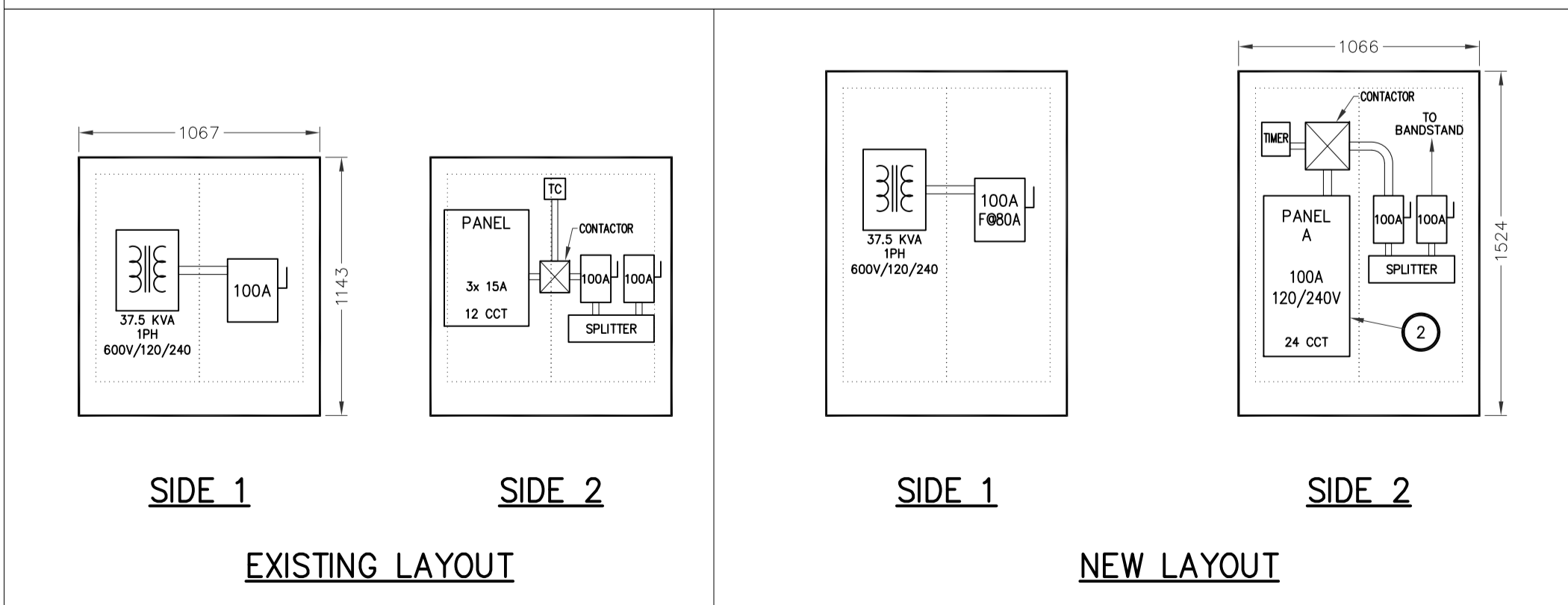


NOTE:

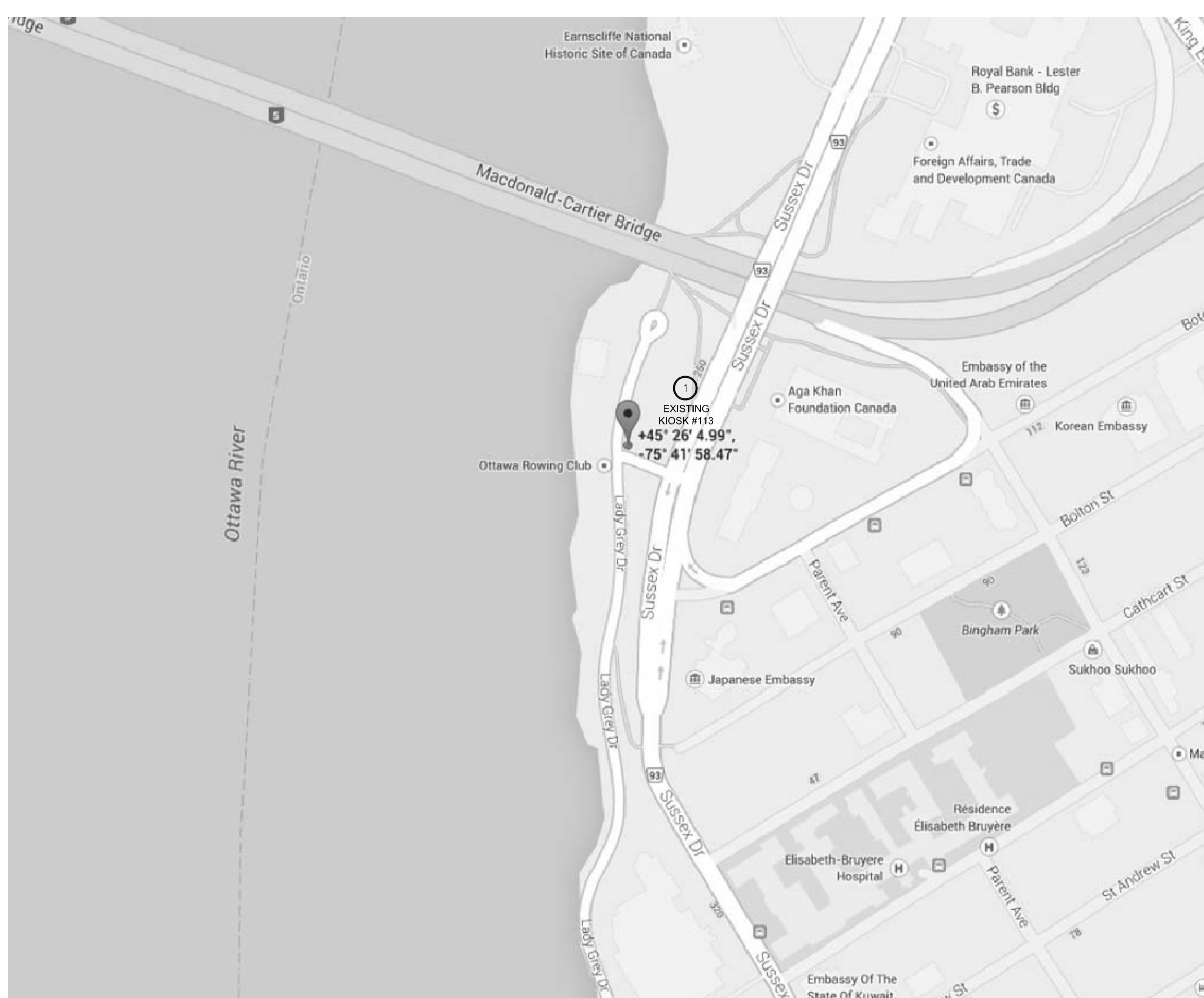
- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

CONTRACTOR TO CONFIRM EXISTING -
3-3000mmx19m COPPER CLAD STEEL
GROUND RODS AND #1 BARE GROUND
CONDUCTOR IN 27mm RIGID PVC CONDUIT.
PROVIDE & INSTALL IF INCOMPLETE.

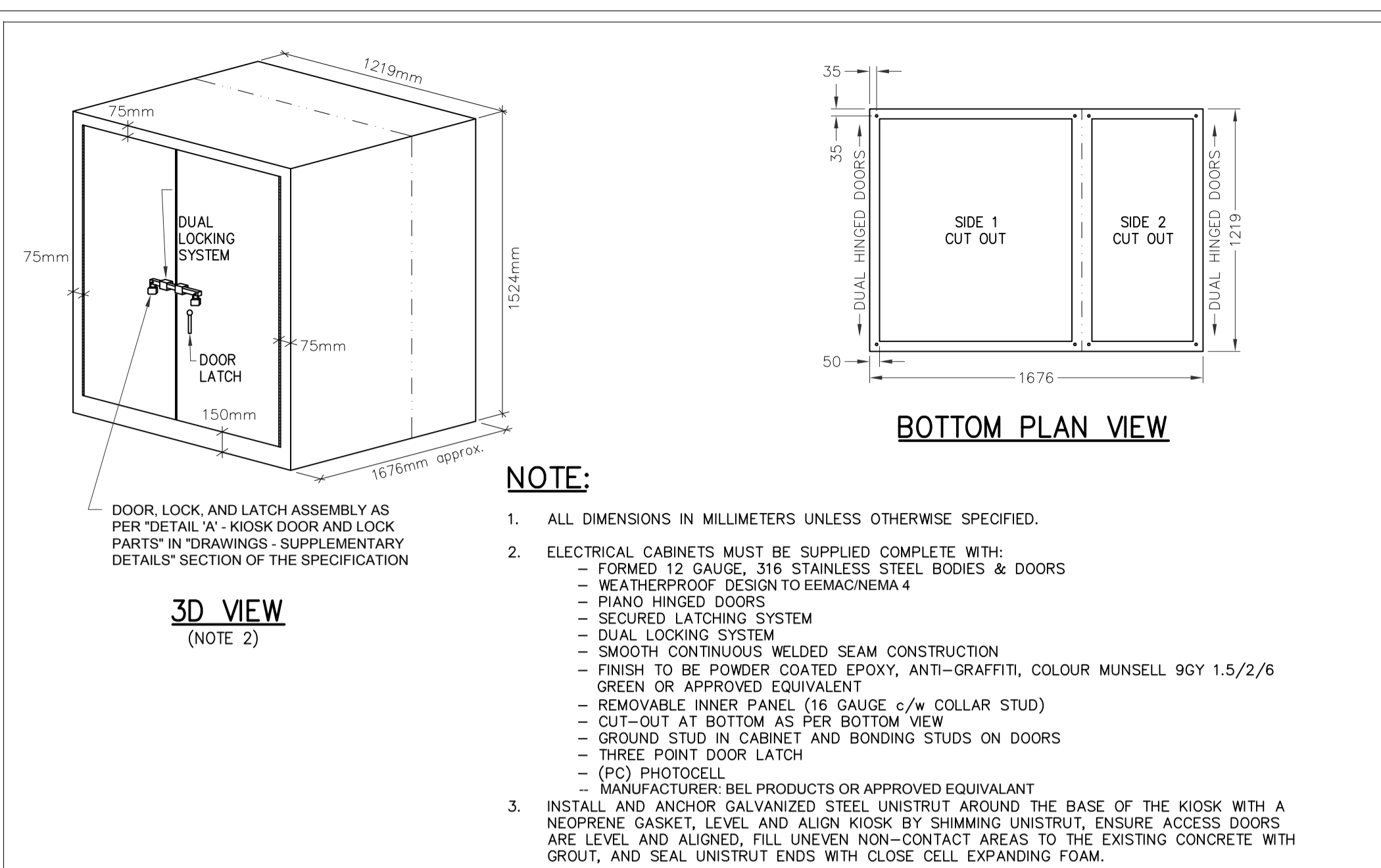
3
E03
NEW KIOSK INSTALLATION DETAIL
N.T.S.



4
E03
INTERNAL LAYOUTS FOR KIOSK #99
N.T.S.



1 LOCATION – KIOSK #113
E04 N.T.S.

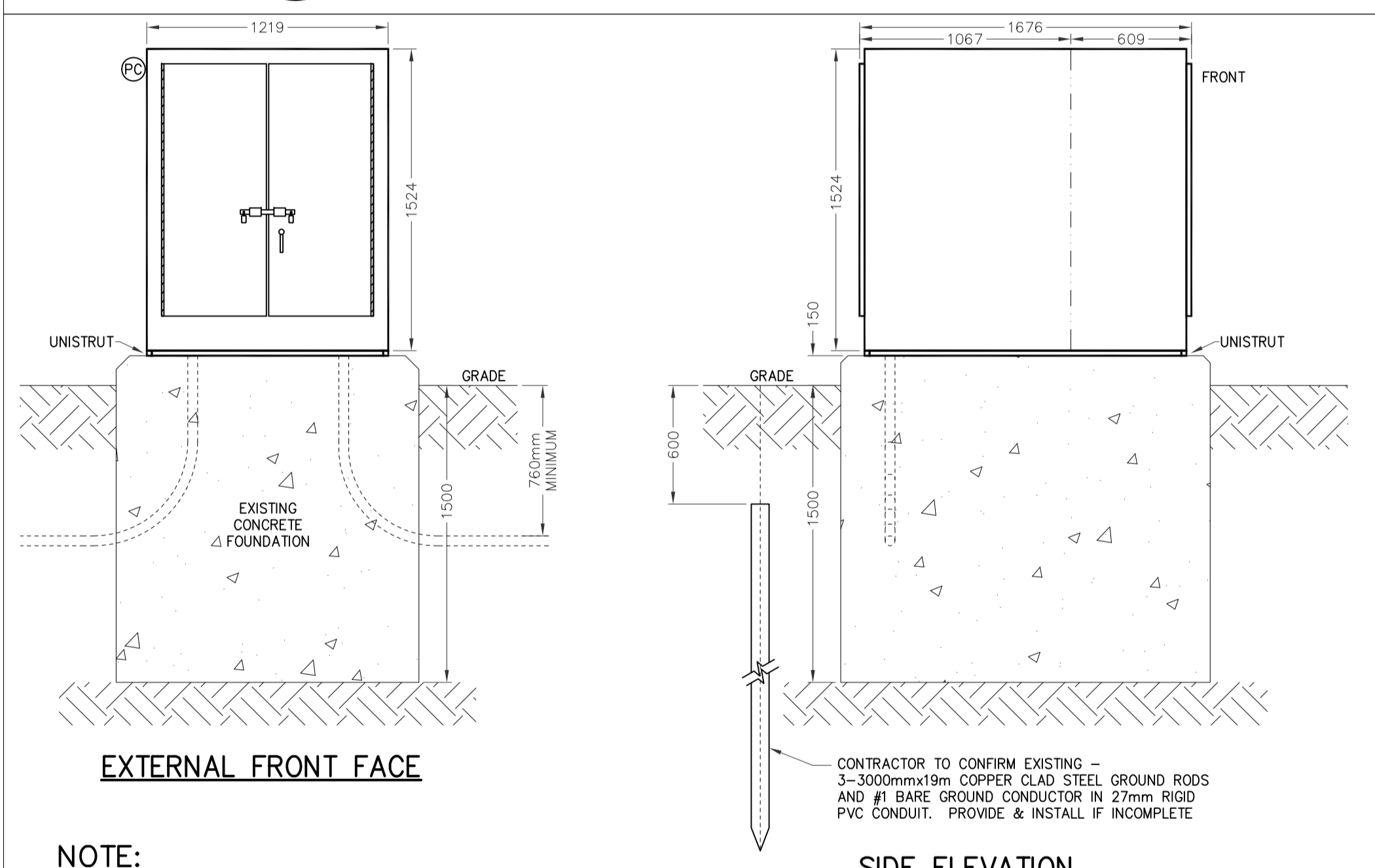


3D VIEW
(NOTE 2)

BOTTOM PLAN VIEW

- NOTE:**
- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMAGNEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSSELL 9GY 1.5/2/6 GREEN OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE C/W COLLAR STUD)
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 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCELL
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
 - INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT, ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

2 NEW OUTDOOR PEDESTAL MOUNTED KIOSK ENCLOSURE – CONSTRUCTION DETAIL
E04 N.T.S.

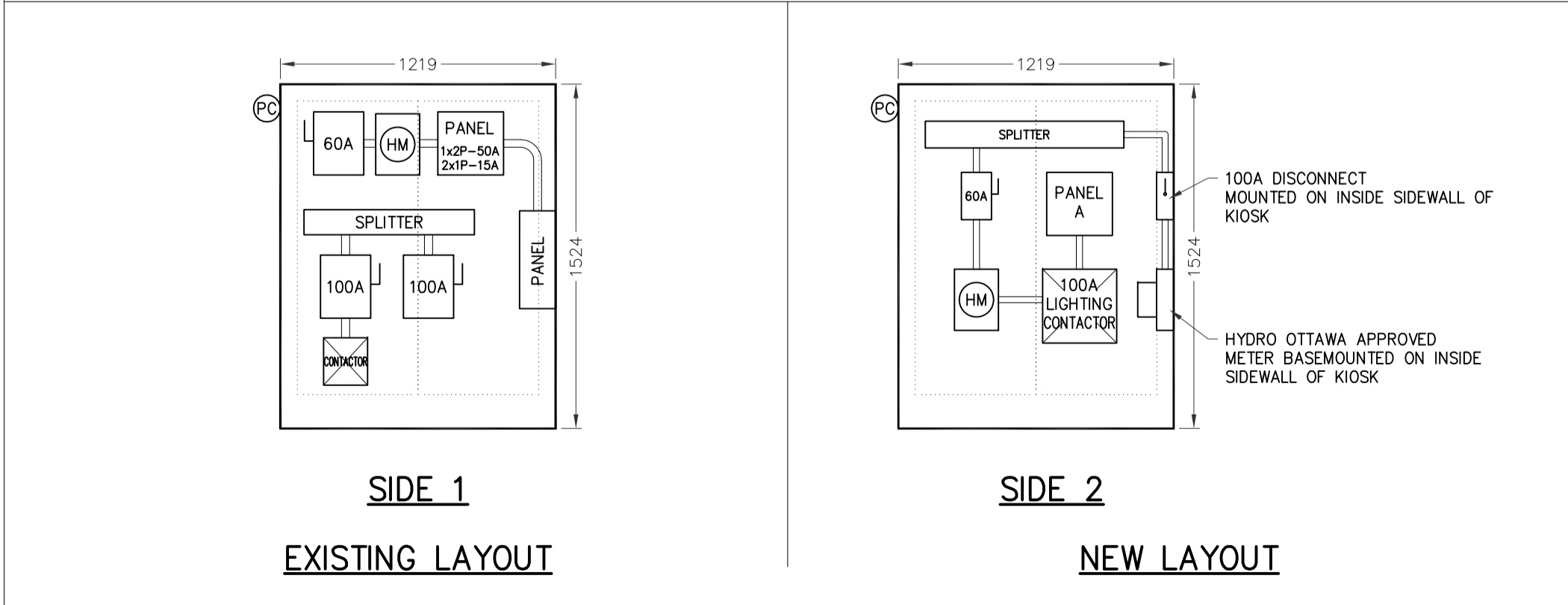


EXTERNAL FRONT FACE

SIDE ELEVATION

- NOTE:**
- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

3 NEW KIOSK INSTALLATION DETAIL
E04 N.T.S.

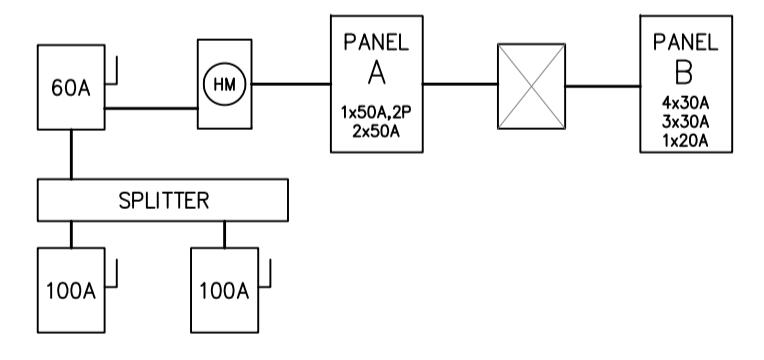


SIDE 1
EXISTING LAYOUT

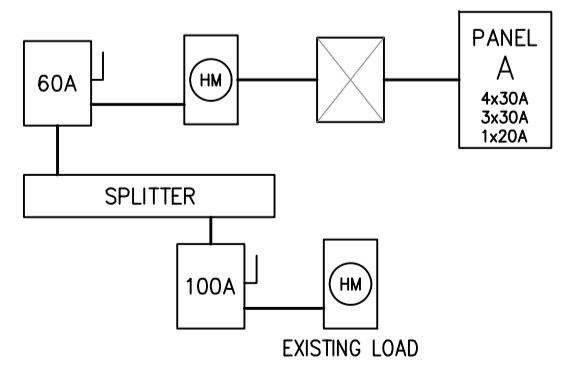
SIDE 2
NEW LAYOUT

4 INTERNAL LAYOUTS FOR KIOSK #113
E04 N.T.S.

5 KIOSK #113 EXISTING SINGLE LINE DIAGRAM
E04 N.T.S.



6 KIOSK #113 NEW SINGLE LINE DIAGRAM
E04 N.T.S.



GENERAL NOTES:

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SPECIFIC NOTES:

- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E04) WITH NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E04). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 4x15A AND 6x20A BREAKERS IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

project
projet

ELECTRICAL KIOSK REPLACEMENT - CORE AREA -

drawing
dessin

KIOSK #113
(Lady Grey)

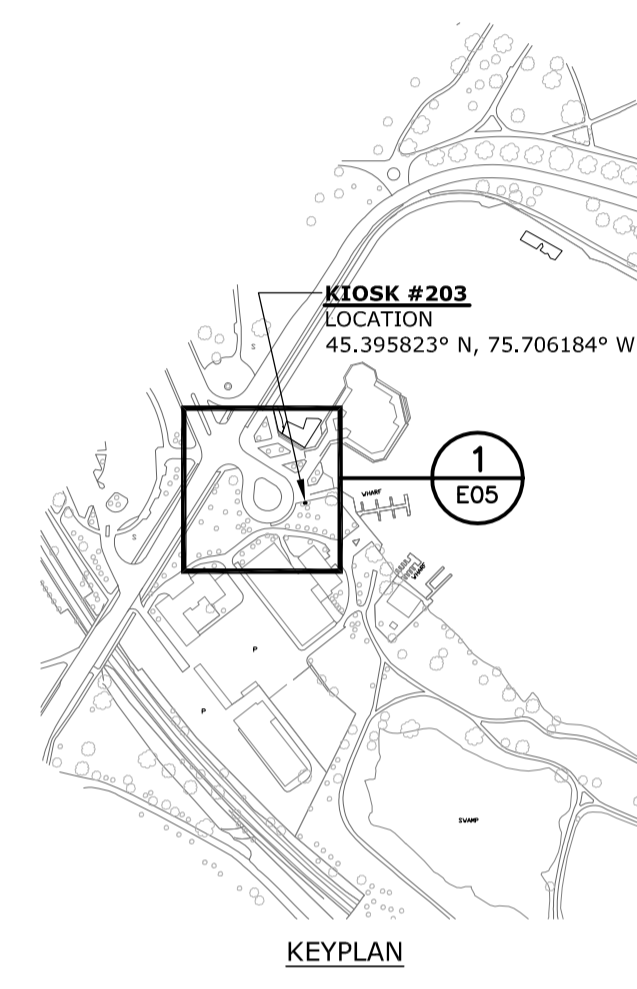
approved by
approuvé par James Huynh

designed by
conçu par D.G.

drawing by
dessiné par G.G.

date 2013-09-13 scale
échelle As Shown

NCC project no. sheet no.
no. du projet de la CCN no. de la feuille
DC4000-19 **E04**



no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

project
projet

**ELECTRICAL KIOSK
REPLACEMENT
- CORE AREA -**

drawing
dessin

**KIOSK #203
(Dow's Lake)**

approved by approuvé par	James Huynh
designed by conçu par	D.G.
drawn by dessiné par	G.G.
date	2013-09-13
scale échelle	As Shown
NCC project no. no. du projet de la CCN	DC4000-19
sheet no. no. de la feuille	E05



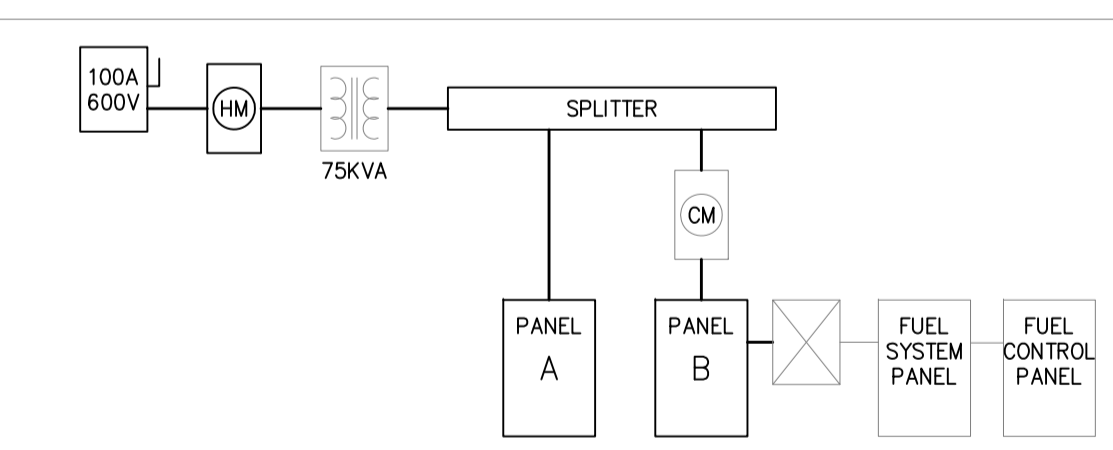
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E05 **LOCATION - KIOSK #203**
1:250
0 2.5m 5m 7.5m 12.5m

GENERAL NOTES:

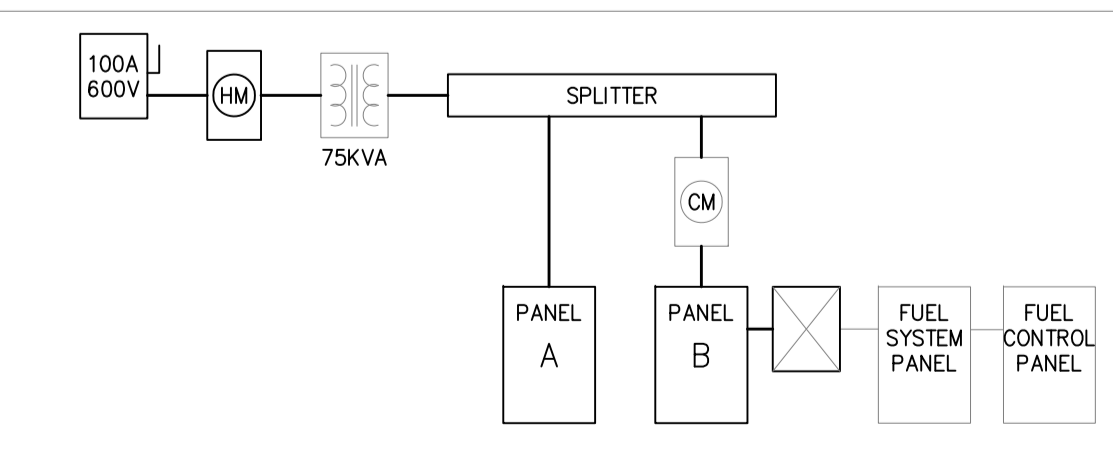
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SPECIFIC NOTES:

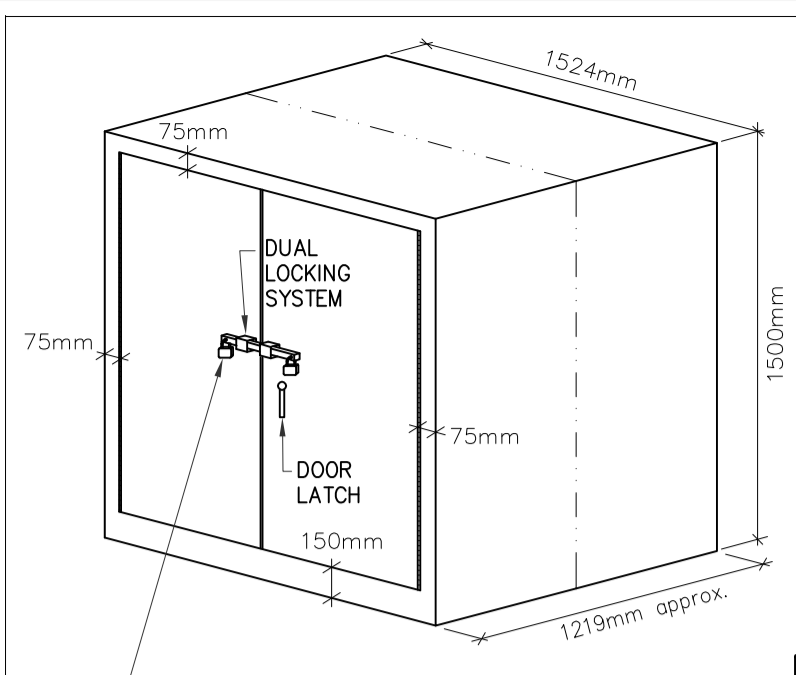
- CONTRACTOR TO REPLACE THE EXISTING 2 KIOSKS C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E05) WITH 1 NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E05). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL PANEL A c/w BREAKERS SHOWN TO FEED THE EXISTING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL PANEL B c/w BREAKERS SHOWN TO FEED THE EXISTING CIRCUITS.
- CONTRACTOR TO COORDINATE AND PAY FOR FUEL SYSTEM SERVICE PROVIDER TO TEST AND STARTUP THE FUEL MANAGEMENT SYSTEM WITH NCC REPRESENTATIVE PRESENT (REFER TO NOTE 5).
- CONTRACTOR TO REFEED THE EXISTING FUEL SYSTEM CONTROL PANEL FROM THE RELOCATED FUEL SYSTEM PANEL (REFER TO NOTE 4).



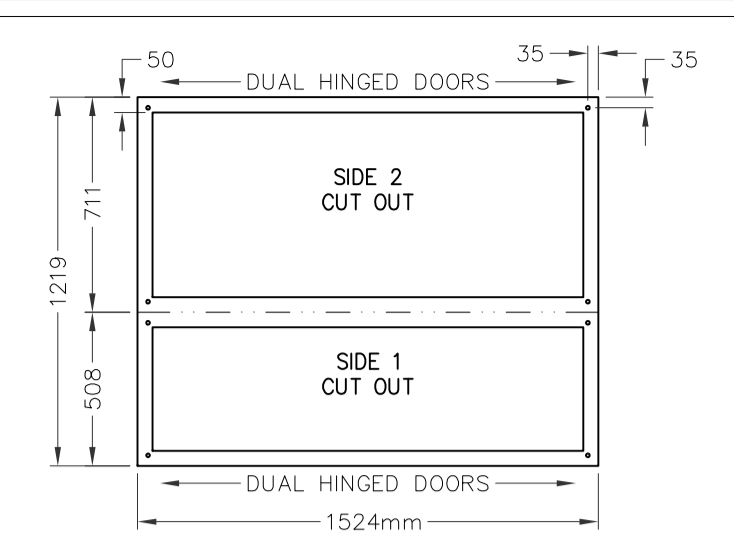
5
E05 **KIOSK #203
EXISTING SINGLE LINE DIAGRAM**
N.T.S.



6
E05 **KIOSK #203
NEW SINGLE LINE DIAGRAM**
N.T.S.



3D VIEW
(NOTE 2)

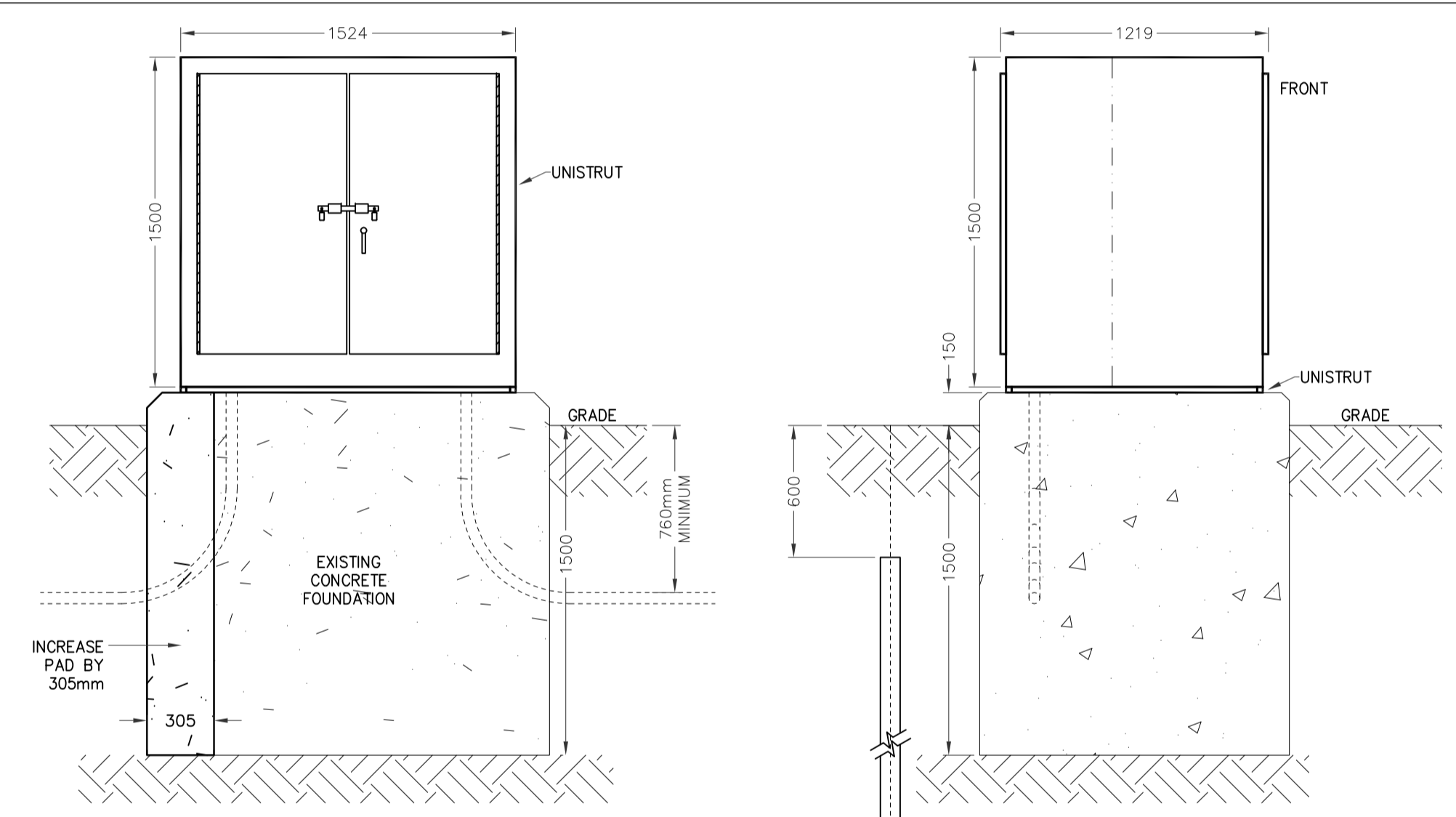


BOTTOM PLAN VIEW

NOTE:

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- ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMACNEMA4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSSELL 9GY 1.5/2/6 GREEN OR APPROVED EQUIVALENT
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 - THREE POINT DOOR LATCH
 - (PC) PHOTOCELL
 - 1kW, 240V, FORCED AIR HEATER WITH INTEGRATED THERMOSTAT IN DRY TYPE TRANSFORMER SECTION OF KIOSK
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
- INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT. ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

2
E05 **NEW OUTDOOR PEDESTAL MOUNTED
KIOSK ENCLOSURE - CONSTRUCTION DETAIL**
N.T.S.



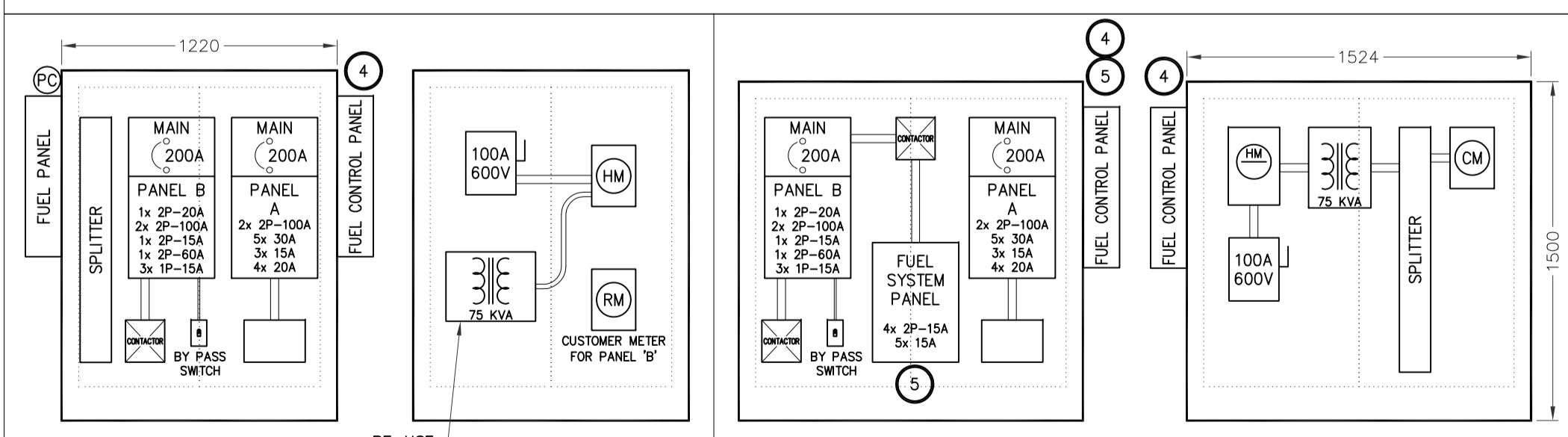
EXTERNAL FRONT FACE

SIDE ELEVATION

NOTE:

- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

3
E05 **NEW KIOSK INSTALLATION DETAIL**
N.T.S.



SIDE 1

SIDE 2

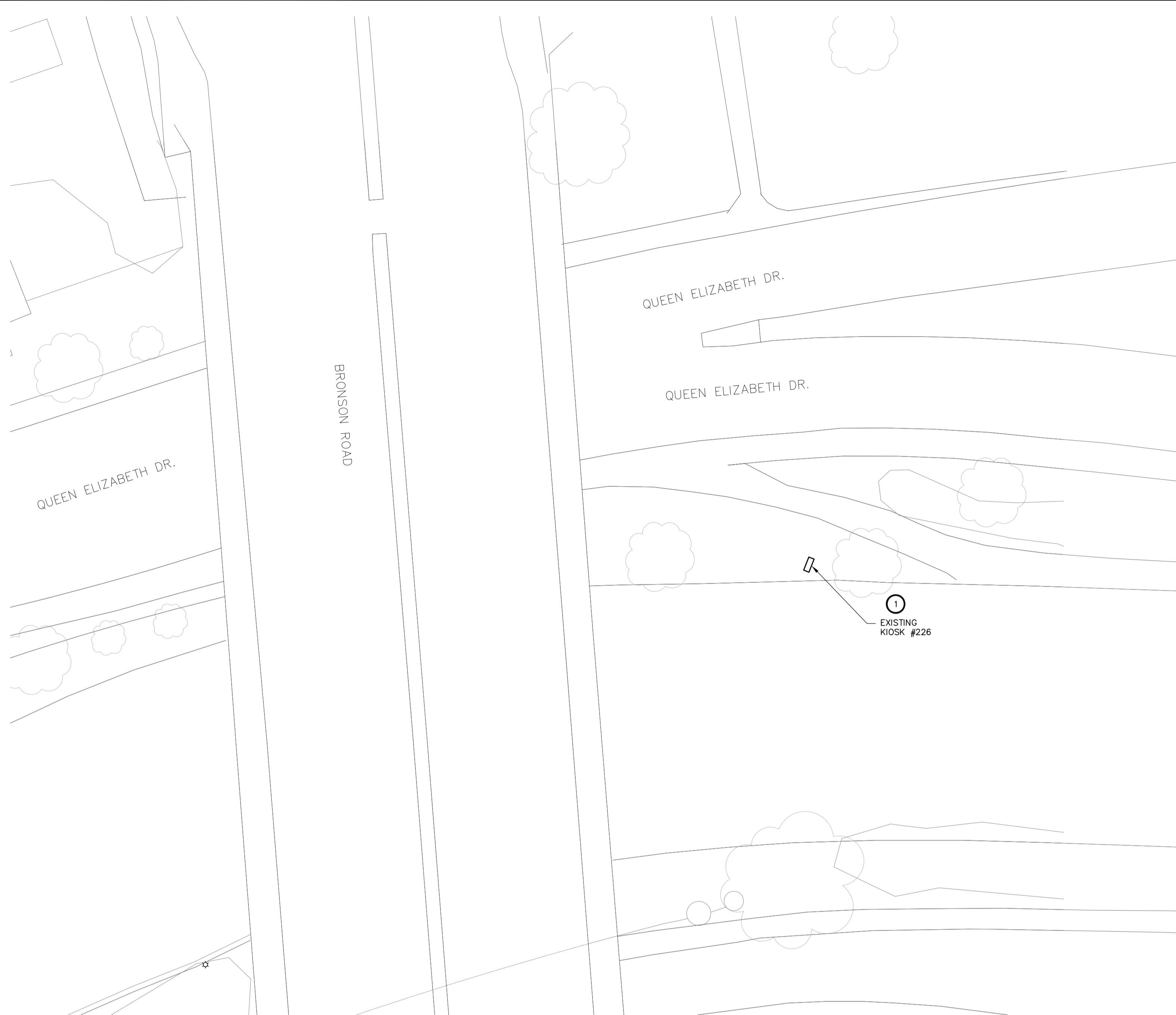
SIDE 1

SIDE 2

EXISTING LAYOUT

NEW LAYOUT

4
E05 **INTERNAL LAYOUTS FOR KIOSK #203**
N.T.S.



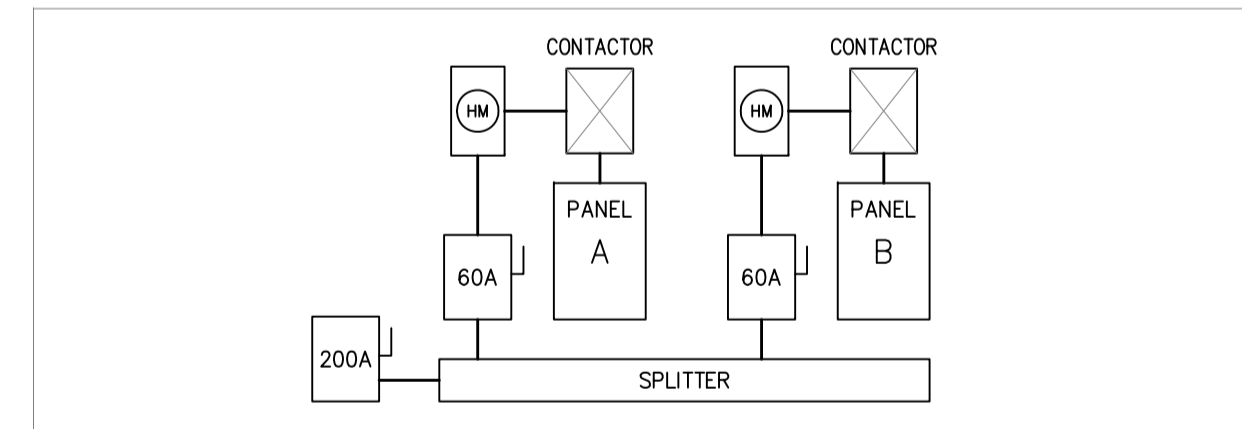
1
E06 LOCATION - KIOSK #226
1:250
0 2.5m 5m 7.5m 12.5m

GENERAL NOTES:

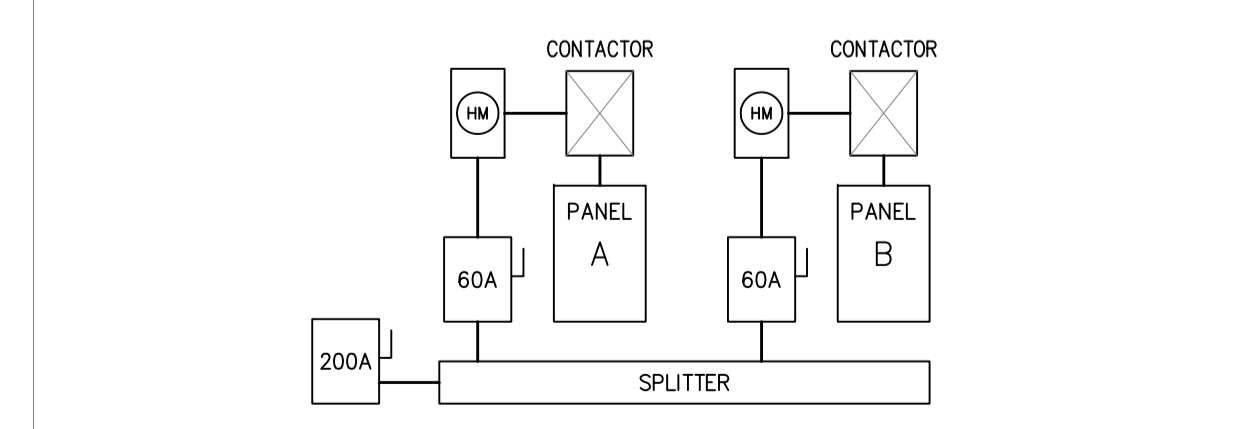
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO REMAIN IS SHOWN IN THIN SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

SPECIFIC NOTES:

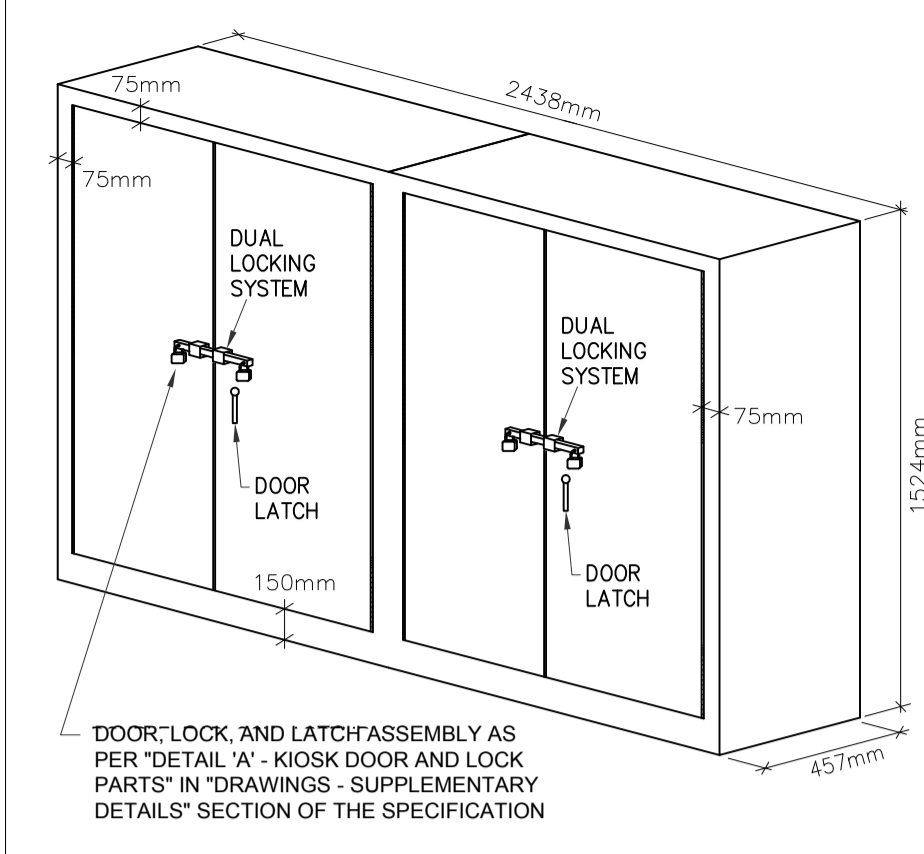
- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E06) WITH NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E06). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 6x15A, 4x20A AND 1x2P-20A BREAKERS IN PANEL A AND 12x15A BREAKERS IN PANEL B TO FEED THE EXISTING LIGHTING CIRCUITS.



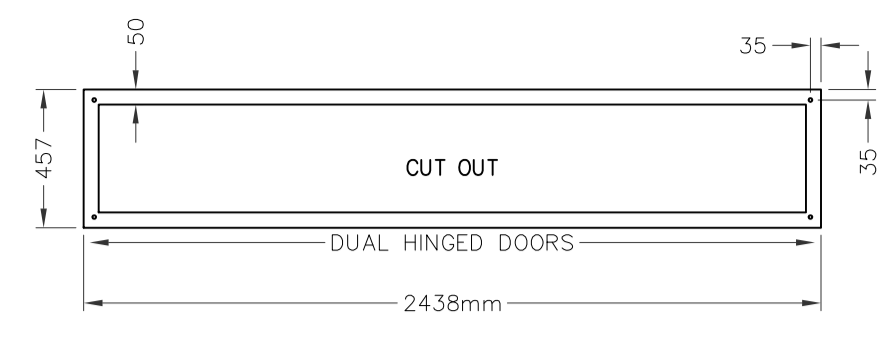
5
E06 KIOSK #226
EXISTING SINGLE LINE DIAGRAM
N.T.S.



6
E06 KIOSK #226
NEW SINGLE LINE DIAGRAM
N.T.S.



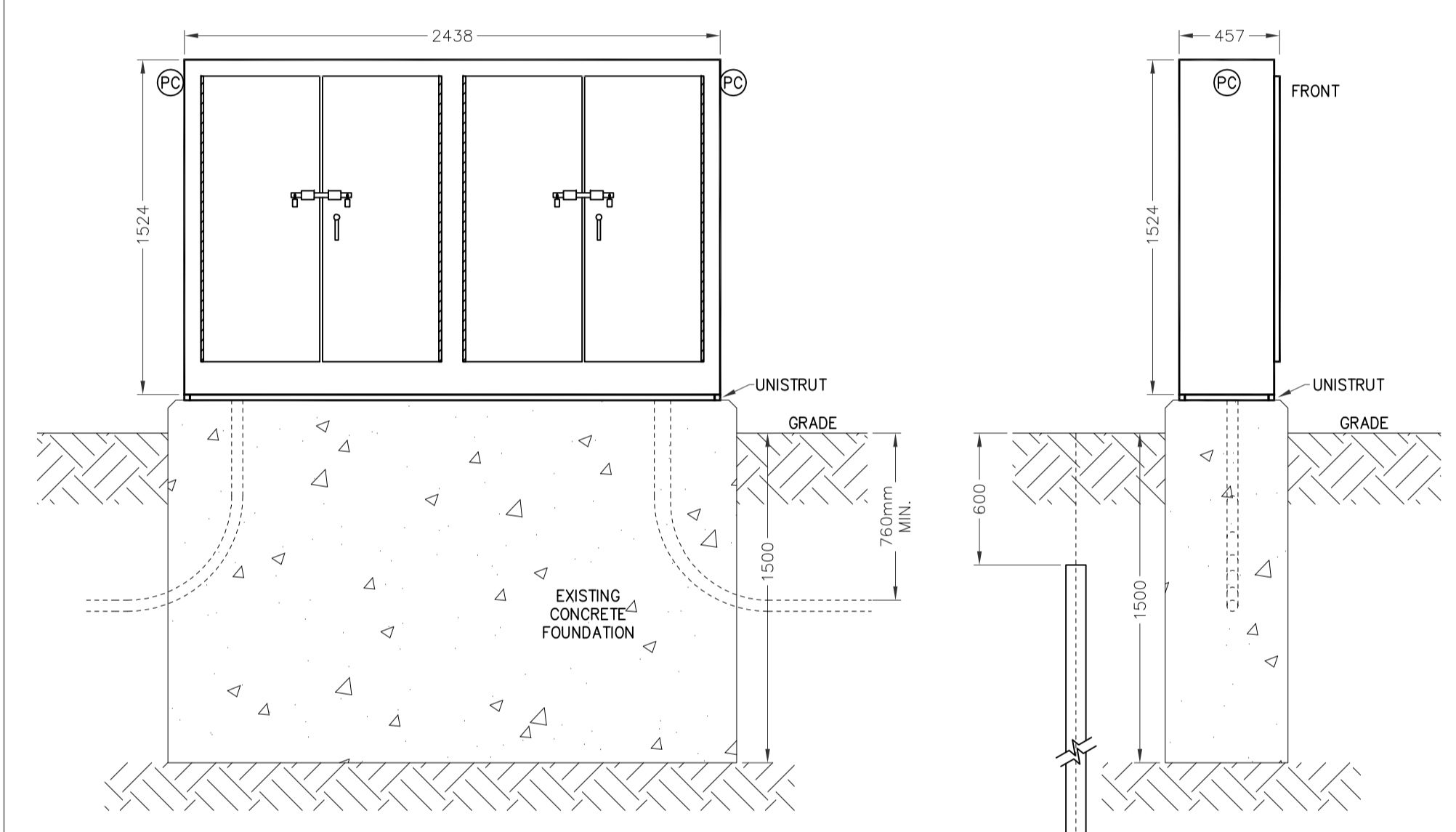
3D VIEW
(NOTE 2)



BOTTOM PLAN VIEW

- NOTE:**
- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - WEATHERPROOF DESIGN TO EEMACINEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSELL 9C7
 - 1.5/2/6 GREEN OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE C/W COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCELL
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
 - INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT. ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

2
E06 NEW OUTDOOR PEDESTAL MOUNTED
KIOSK ENCLOSURE - CONSTRUCTION DETAIL
N.T.S.

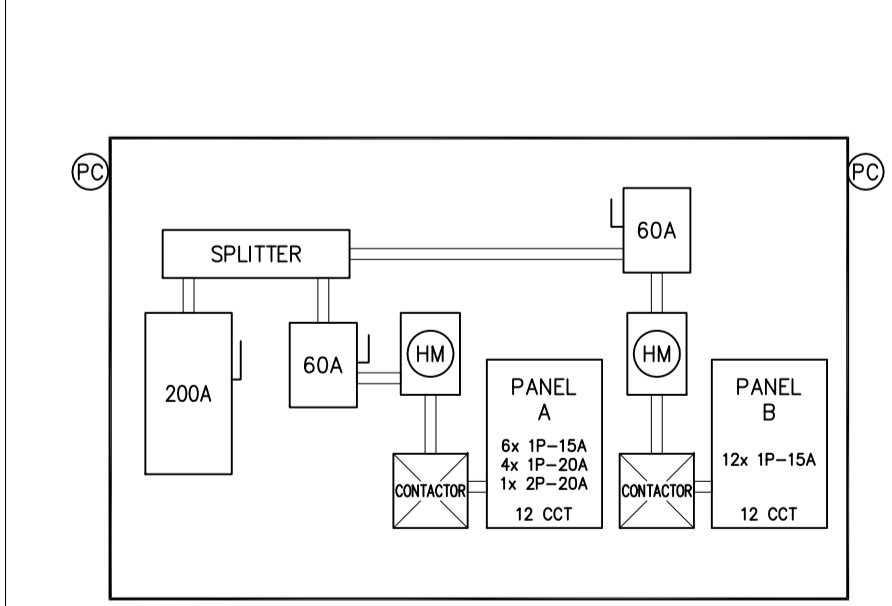


EXTERNAL FRONT FACE

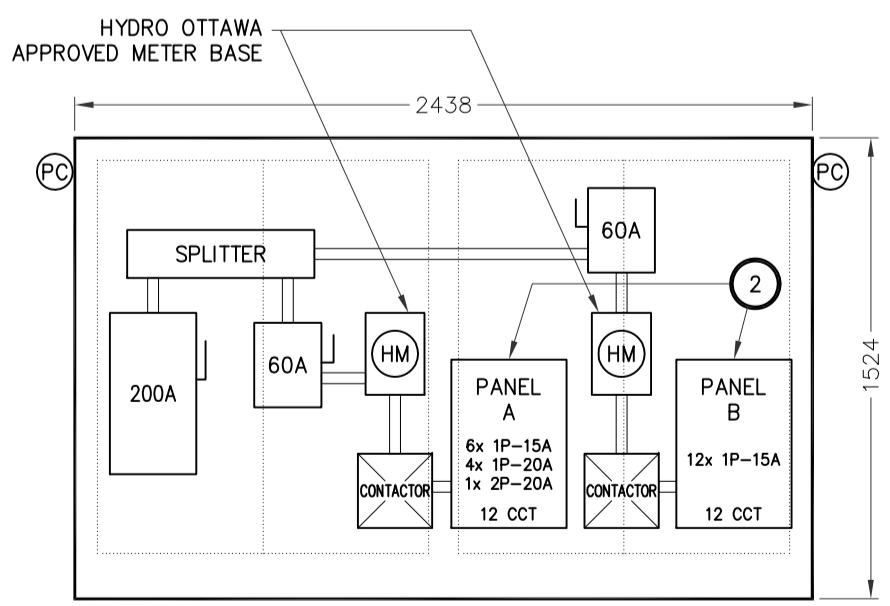
SIDE ELEVATION

- NOTE:**
- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

3
E06 NEW KIOSK INSTALLATION DETAIL
N.T.S.

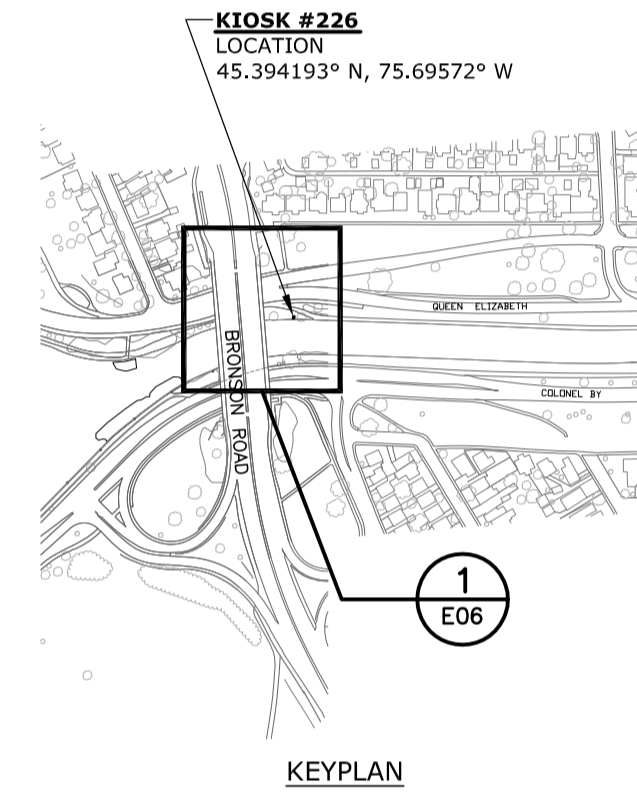


EXISTING LAYOUT



NEW LAYOUT

4
E06 INTERNAL LAYOUTS FOR KIOSK #226
N.T.S.



KEYPLAN

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

project
projet

**ELECTRICAL KIOSK
REPLACEMENT
- CORE AREA -**

drawing
dessin

KIOSK #226
(QED near Bronson)

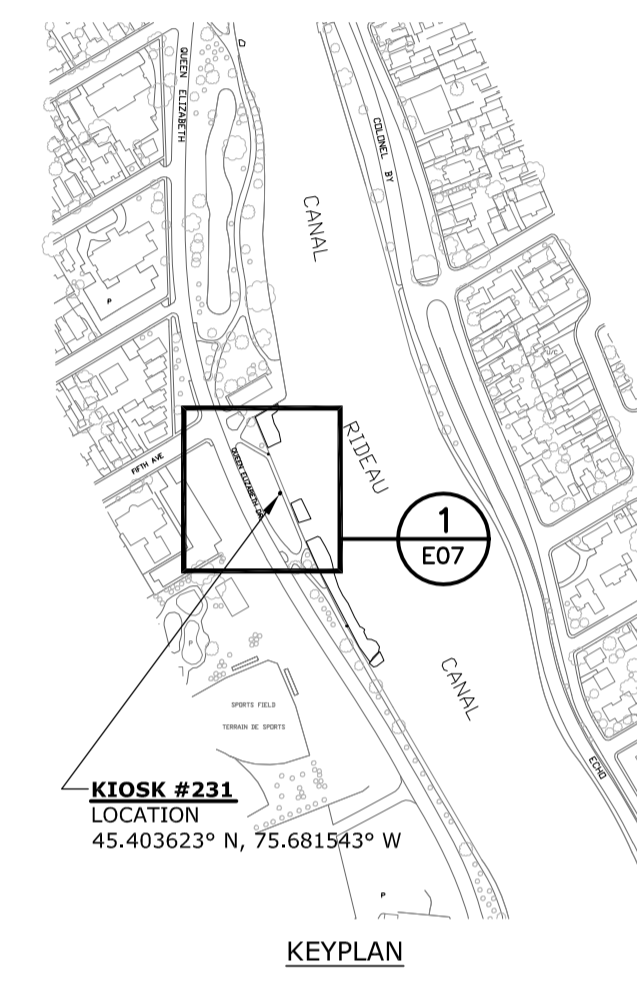
approved by
approuvé par James Huynh

designed by
conçu par D.G.

drawn by
dessiné par G.G.

date 2013-09-13 scale
échelle As Shown

NCC project no. sheet no.
no. du projet de la CCN no. de la feuille
DC4000-19 **E06**



Issued or revised
émis ou révisé

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

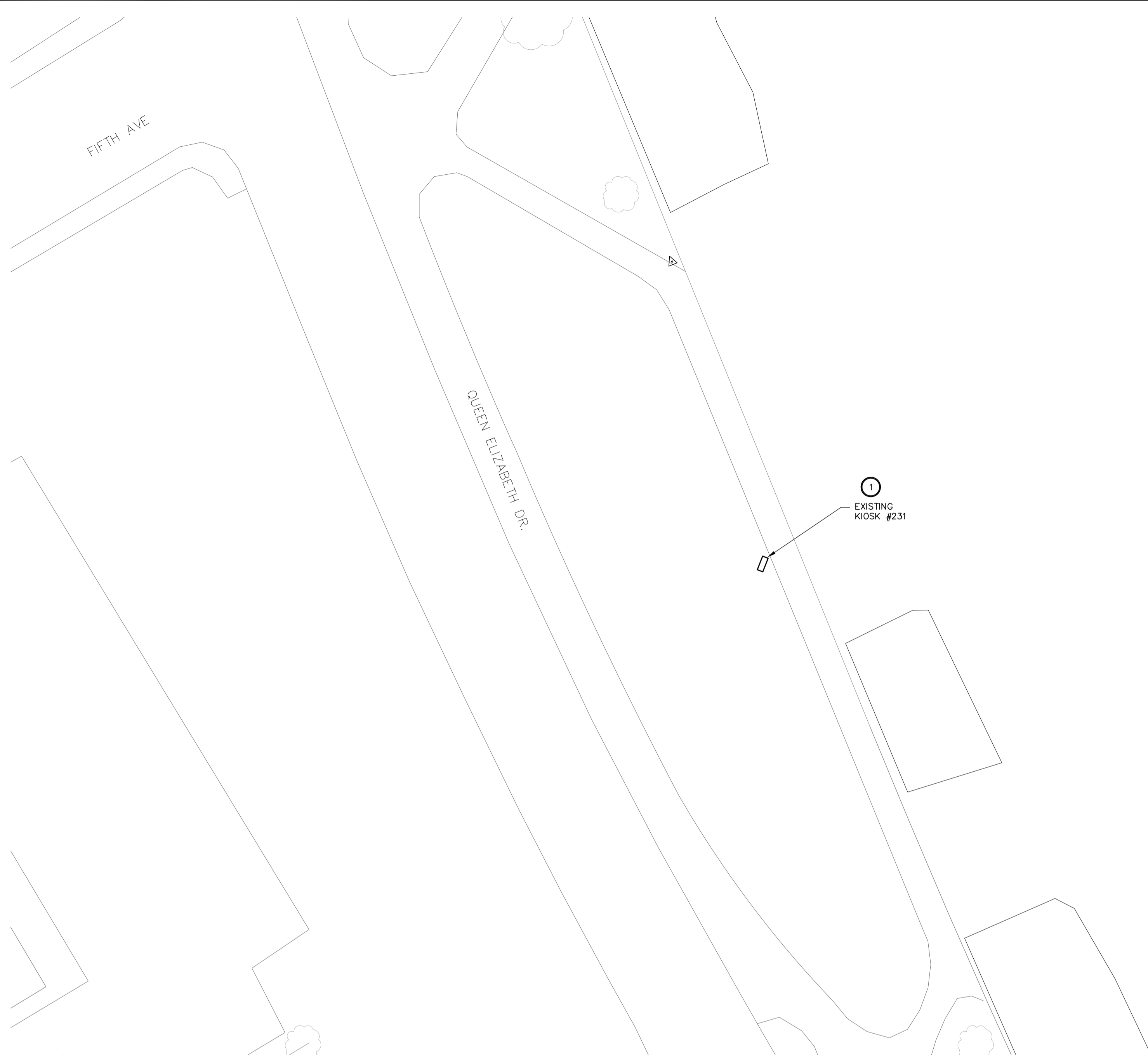
project
projet

**ELECTRICAL KIOSK
REPLACEMENT
- CORE AREA -**

drawing
dessin

**KIOSK #231
(QED near Canal Ritz)**

approved by approuvé par	James Huynh
designed by conçu par	D.G.
drawn by dessiné par	G.G.
date	2013-09-13
scale échelle	As Shown
NCC project no. no. du projet de la CCN	DC4000-19
sheet no. no. de la feuille	E07



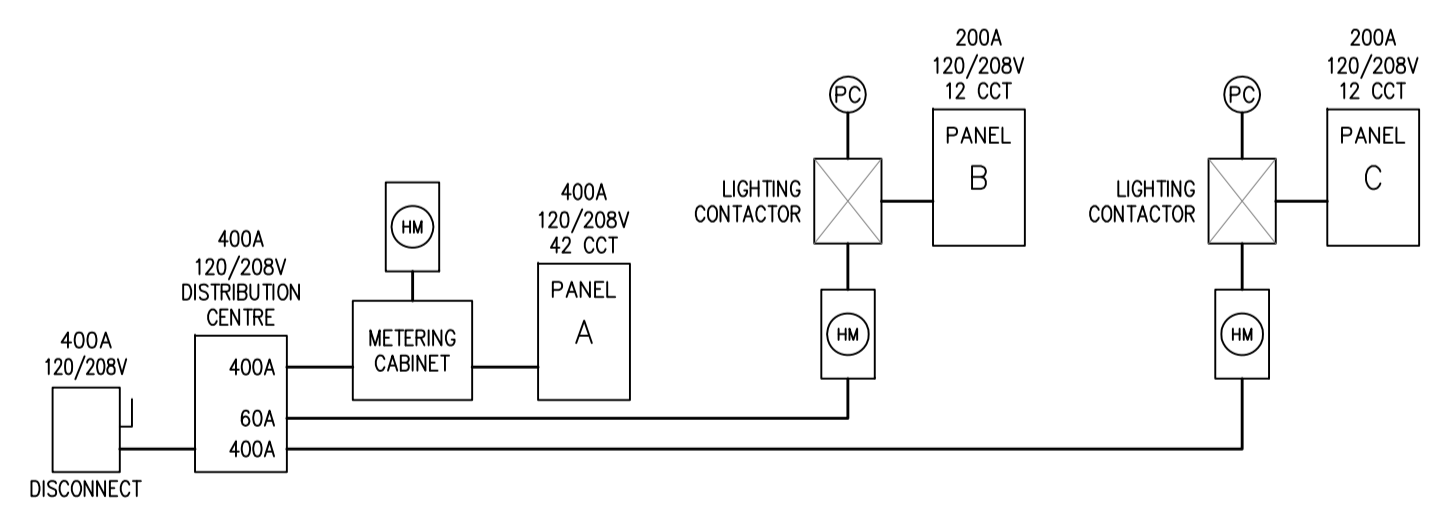
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E07
LOCATION - KIOSK #231
1:250

GENERAL NOTES:

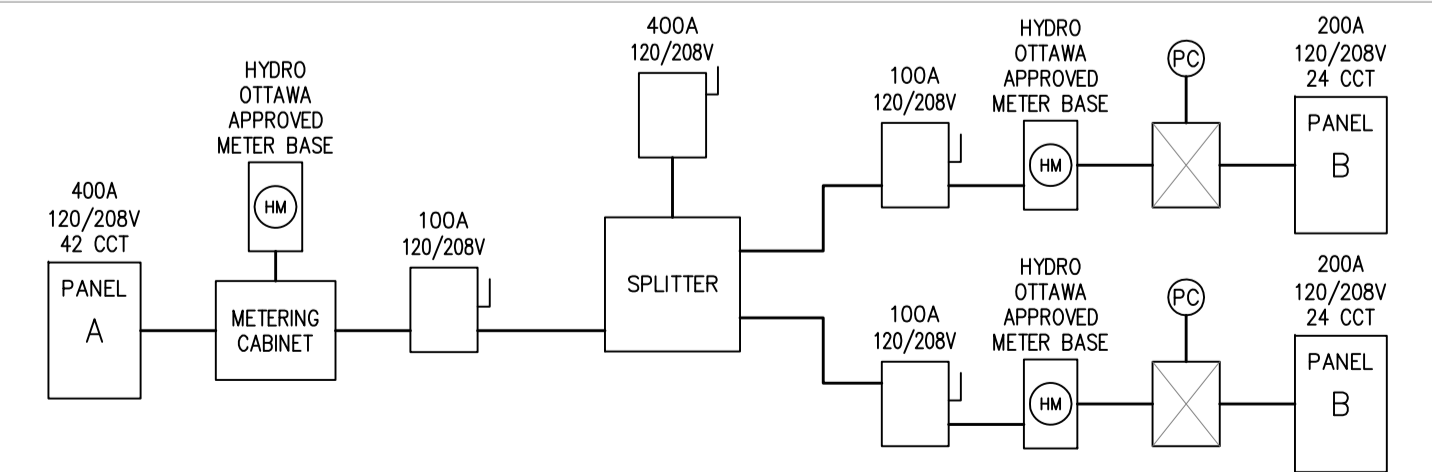
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- EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

SPECIFIC NOTES:

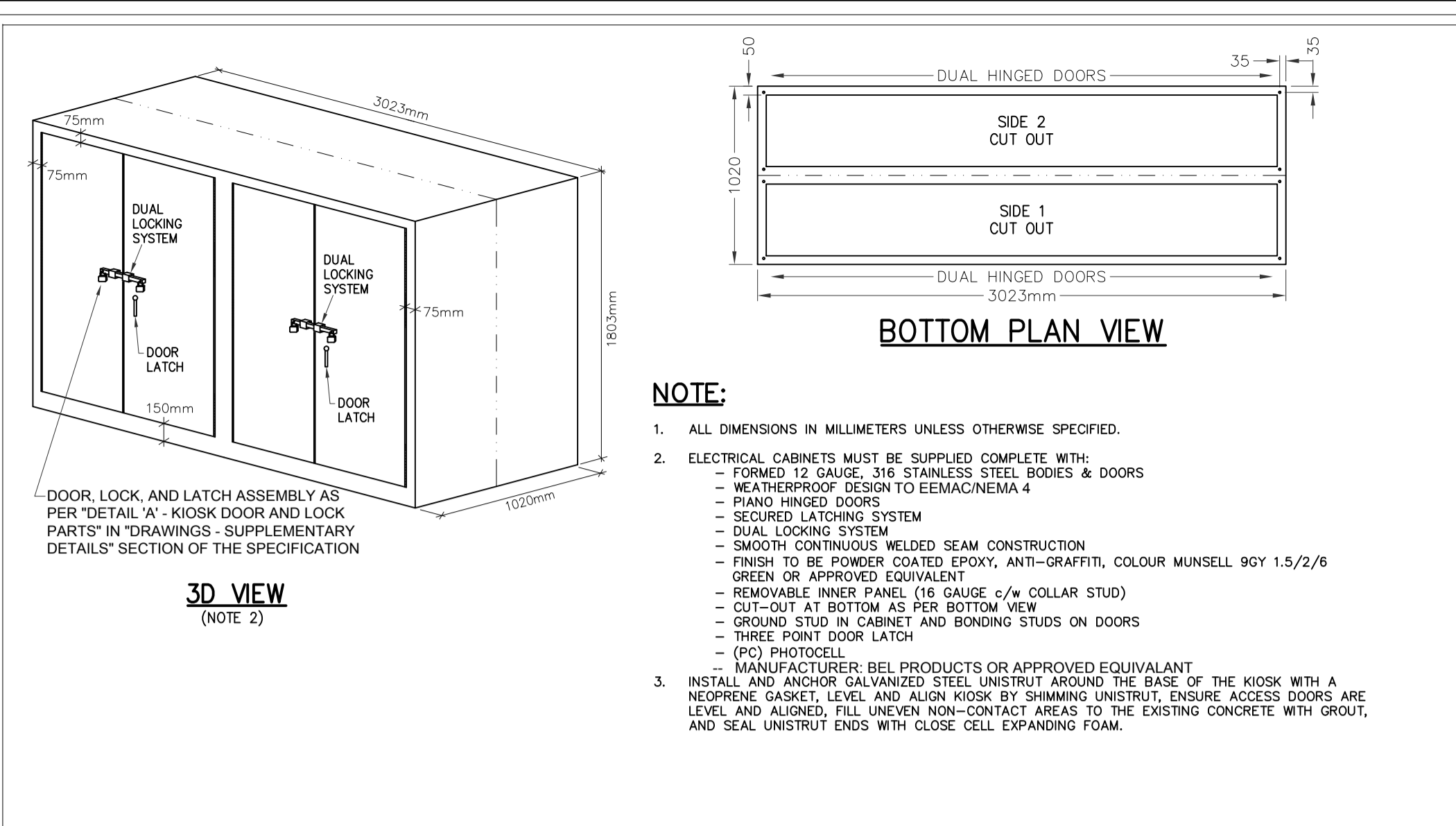
- CONTRACTOR TO REPLACE THE EXISTING 2 KIOSKS C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E07) WITH 1 NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E07). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 2x3P-100A, 3x2P-30A, 5x2P-100A AND 3x1P-15A BREAKERS IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 6x15A AND 1x3P-30A BREAKERS IN PANEL B TO FEED THE EXISTING LIGHTING CIRCUITS.
- CONTRACTOR TO REPLACE THE EXISTING 100A HUBBELL OUTLET WITH MATCHING TYPE, FASTEN TO THE SIDE OF THE KIOSK, AND RECONNECT IT TO PANEL A.
- CONTRACTOR TO PROVIDE AND INSTALL 6x1P-15A BREAKERS IN PANEL C TO FEED THE EXISTING LIGHTING CIRCUITS.
- PADLOCKABLE WEATHER SEALED 250mm x 250mm ACCESS HATCH AT BOTH ENDS OF THE KIOSK.



5
E07
KIOSK #231
EXISTING SINGLE LINE DIAGRAM
N.T.S.

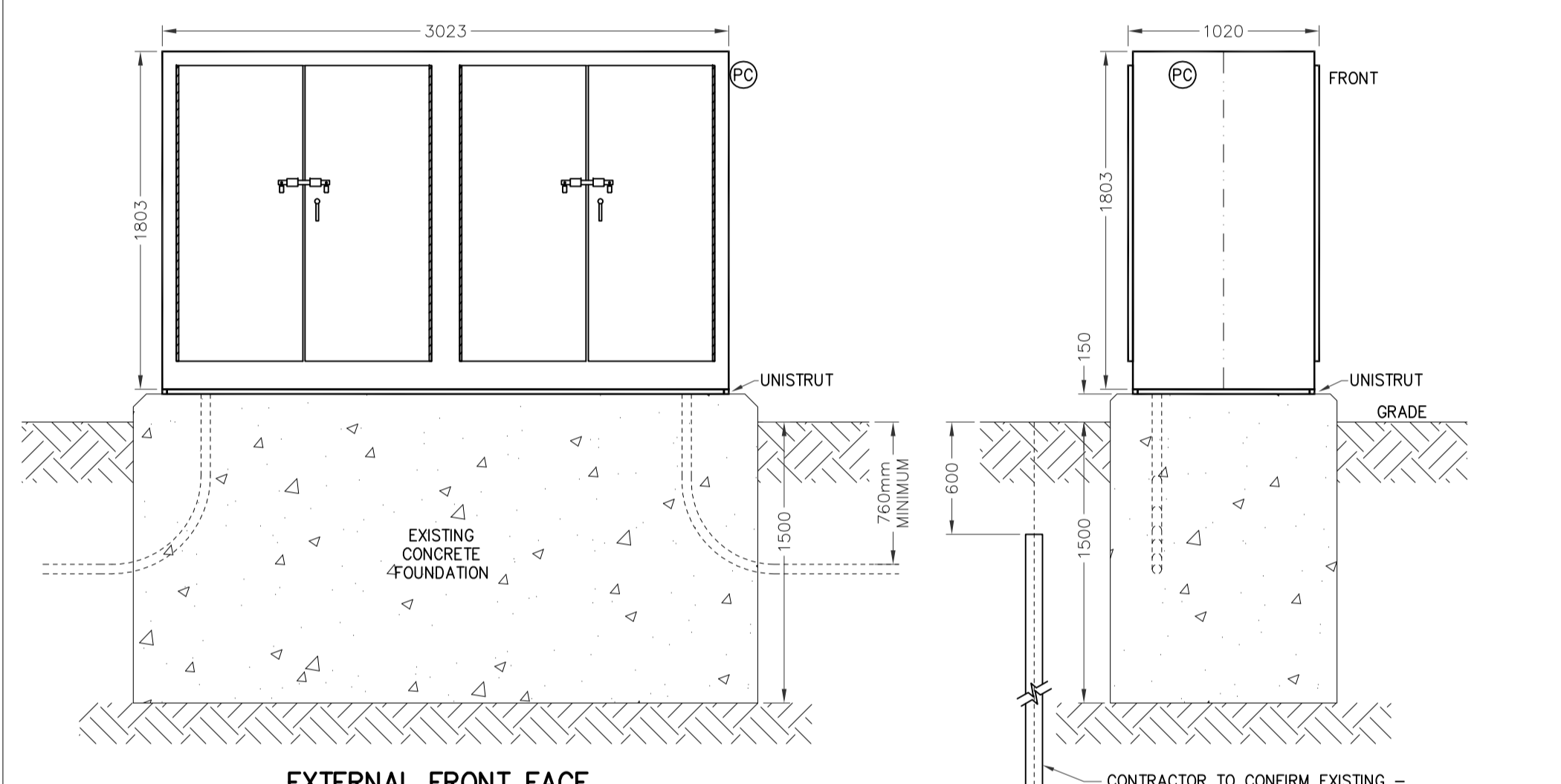


6
E07
KIOSK #231
NEW SINGLE LINE DIAGRAM
N.T.S.



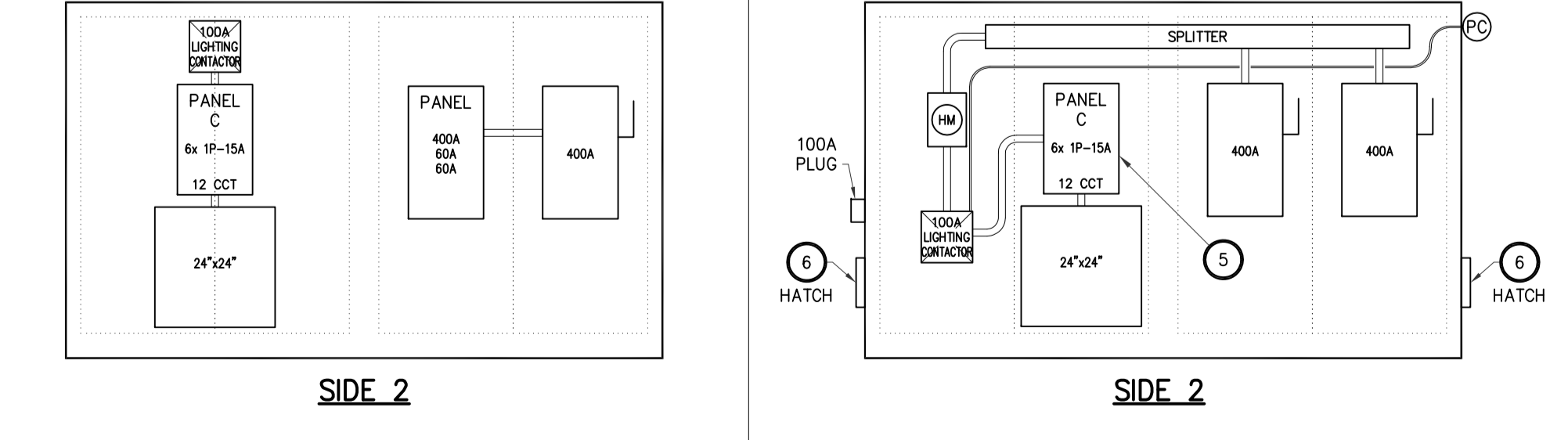
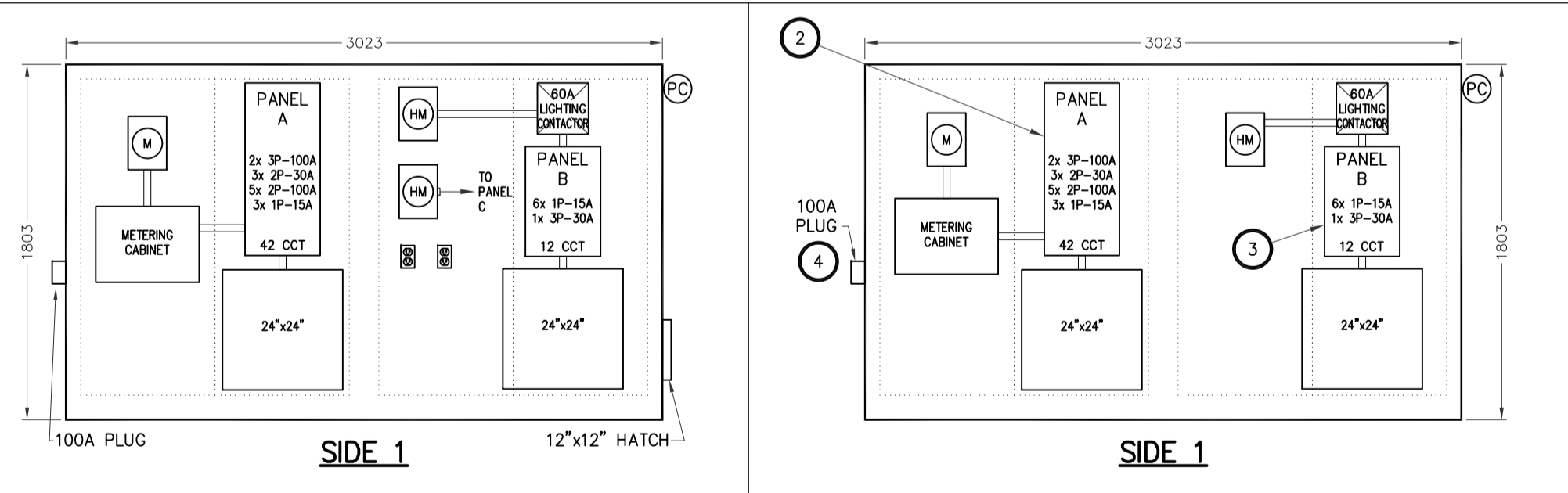
- NOTE:**
- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMAC/NEMA 4
 - FLANG HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSSELL 90Y 1.5/2/6 GREEN OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE C/W COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCELL
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
 - INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT, ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

2
E07
NEW OUTDOOR PEDESTAL MOUNTED
KIOSK ENCLOSURE - CONSTRUCTION DETAIL
N.T.S.

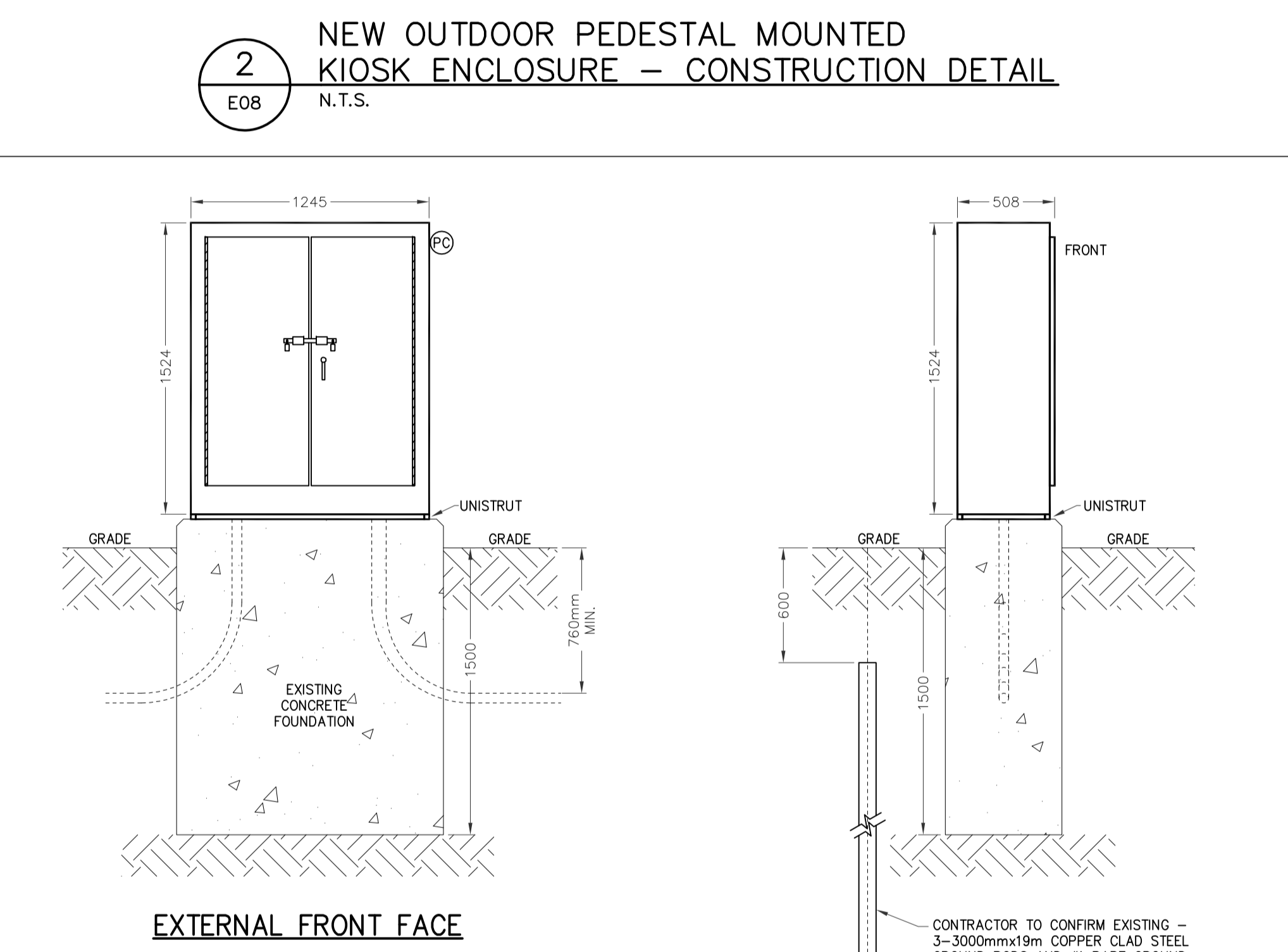
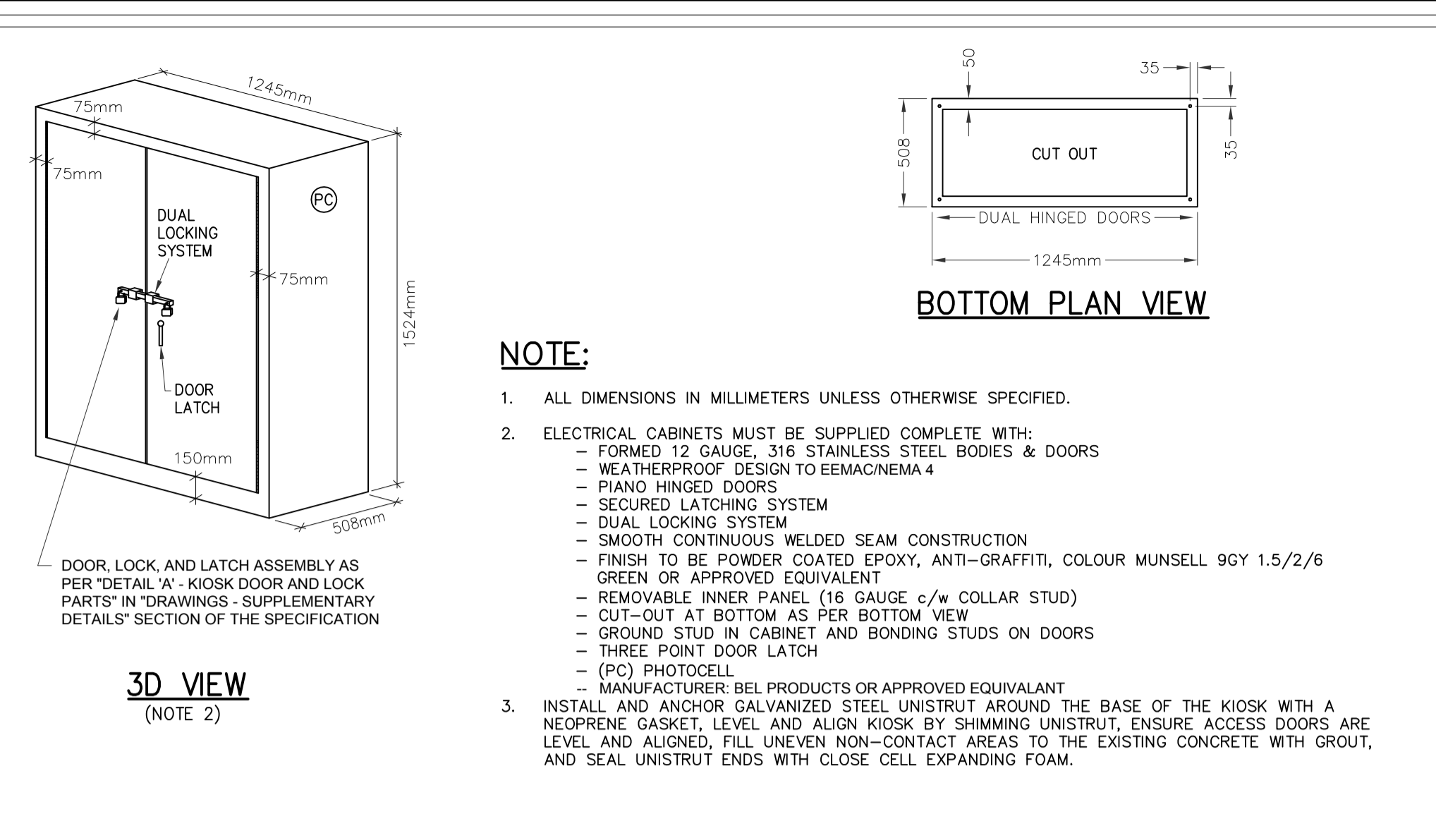
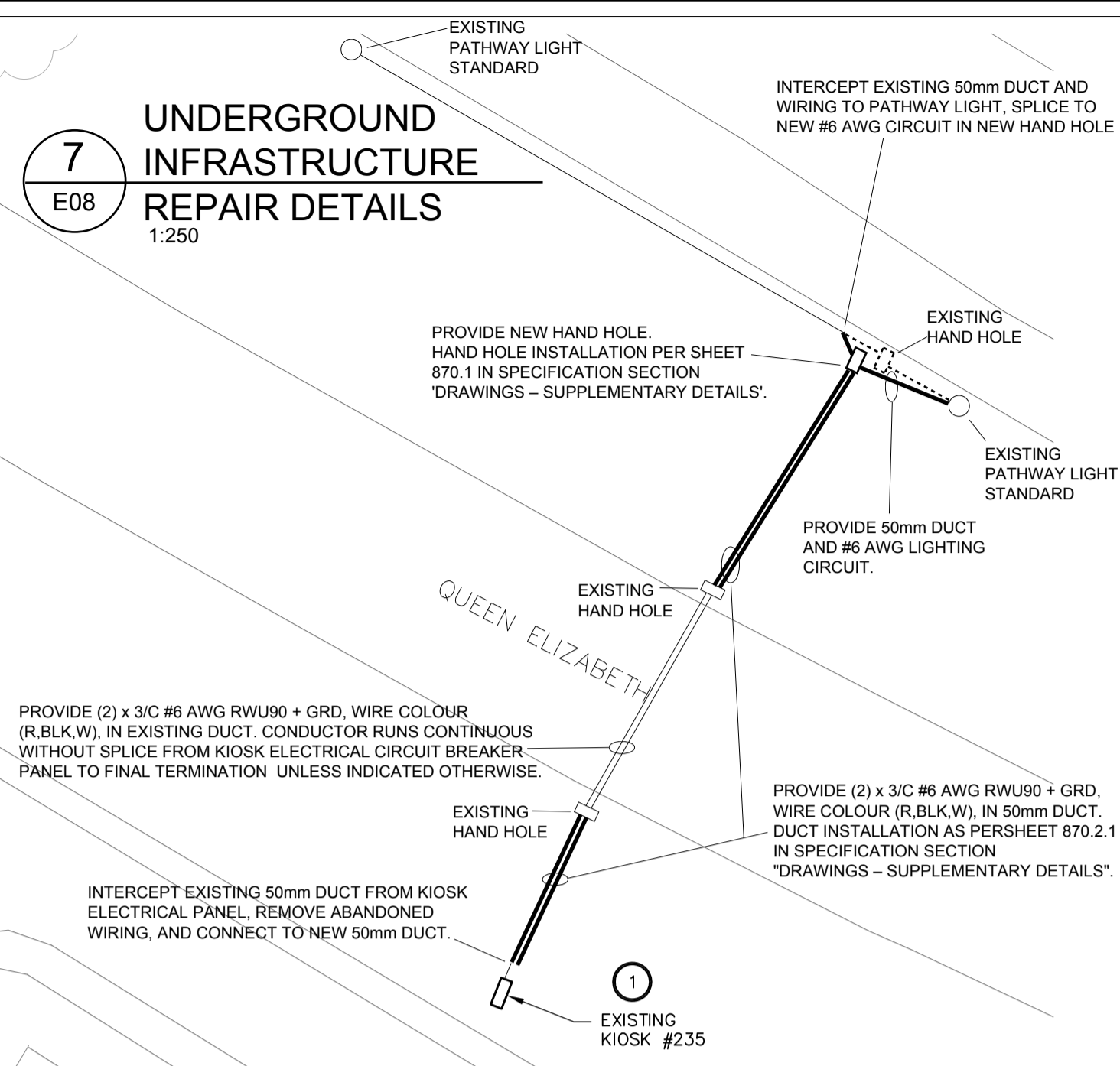
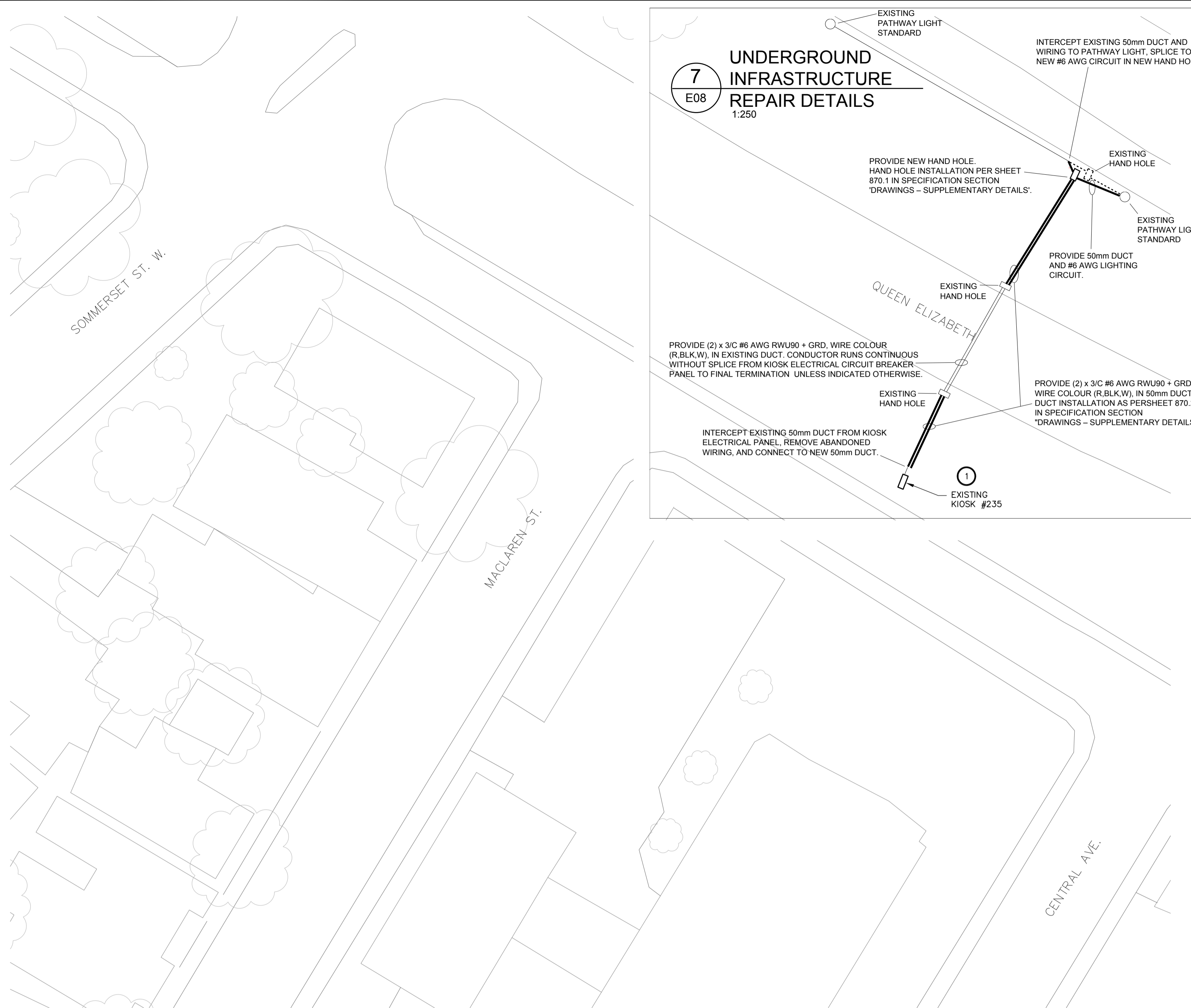
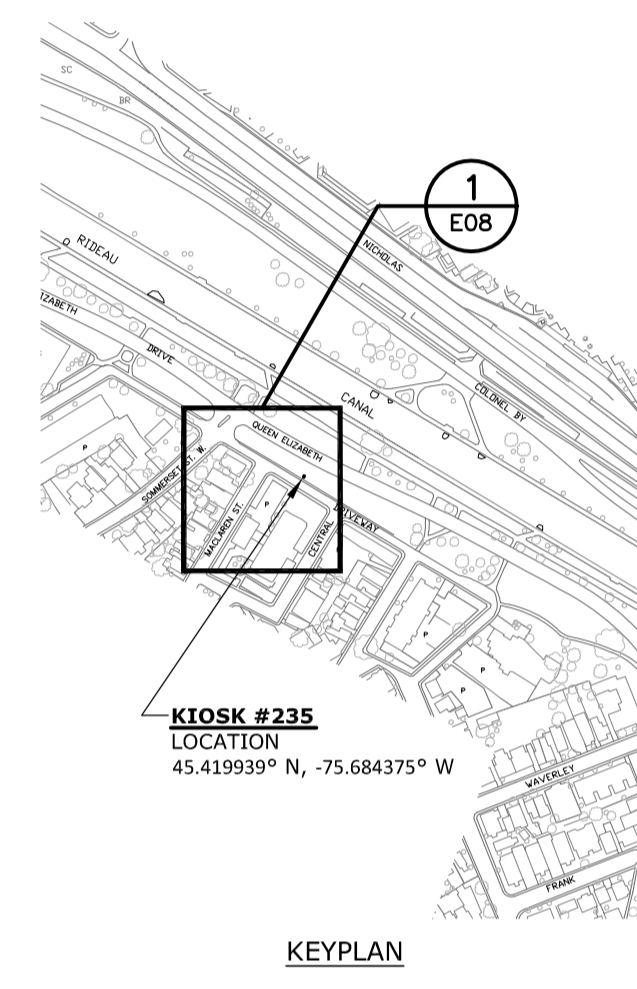


- NOTE:**
- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

3
E07
NEW KIOSK INSTALLATION DETAIL
N.T.S.



4
E07
INTERNAL LAYOUTS FOR KIOSK #231
N.T.S.

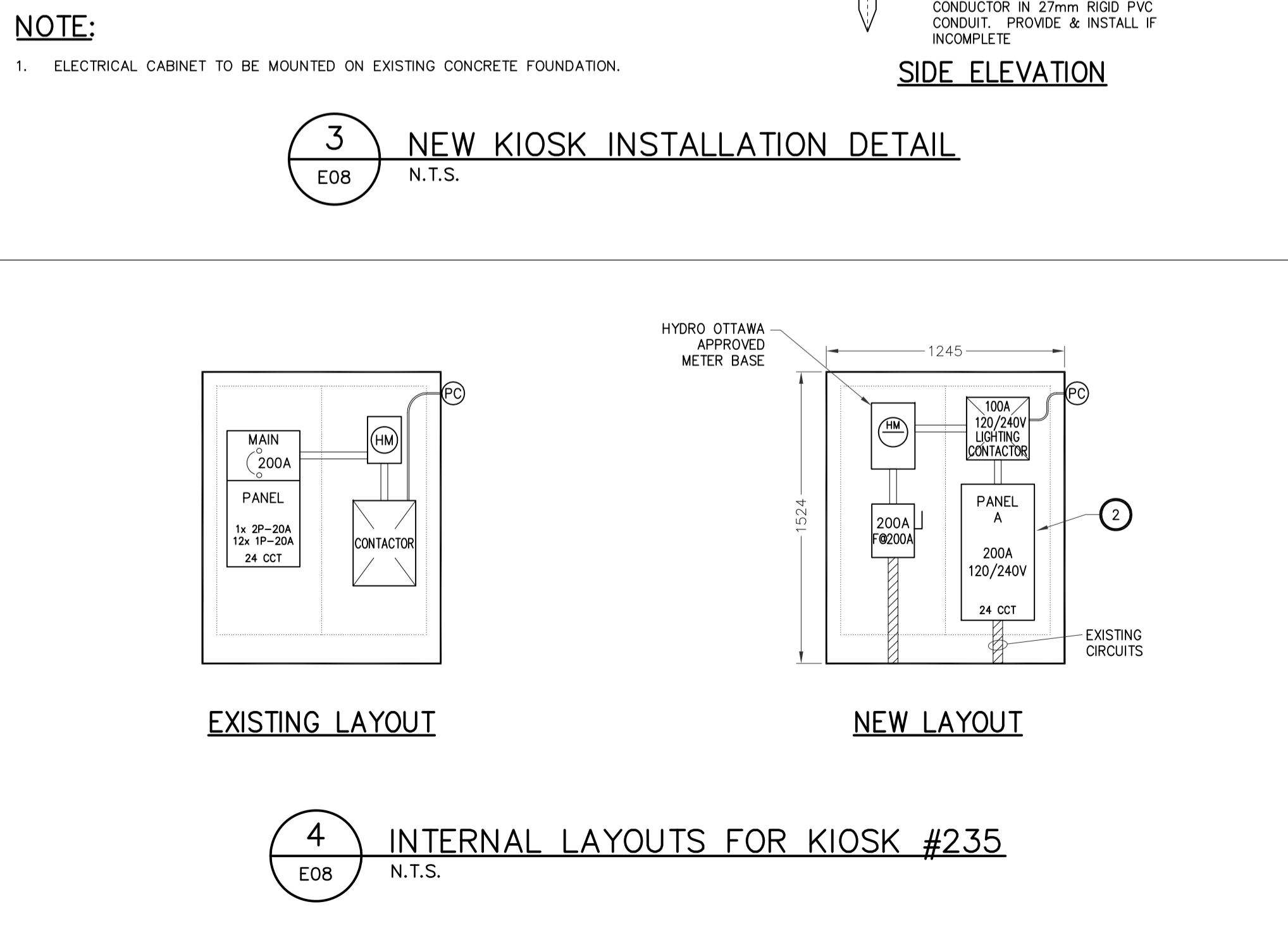
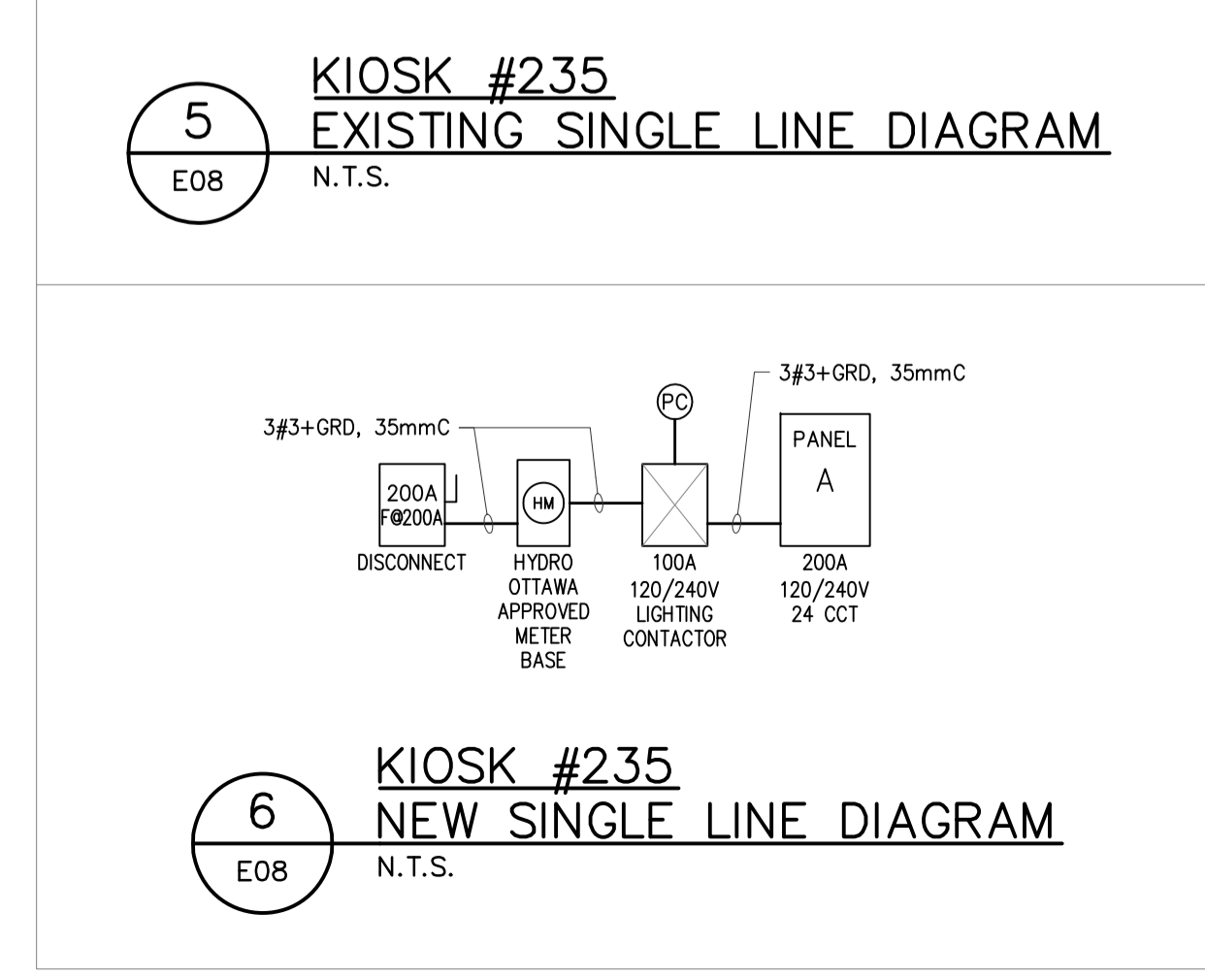
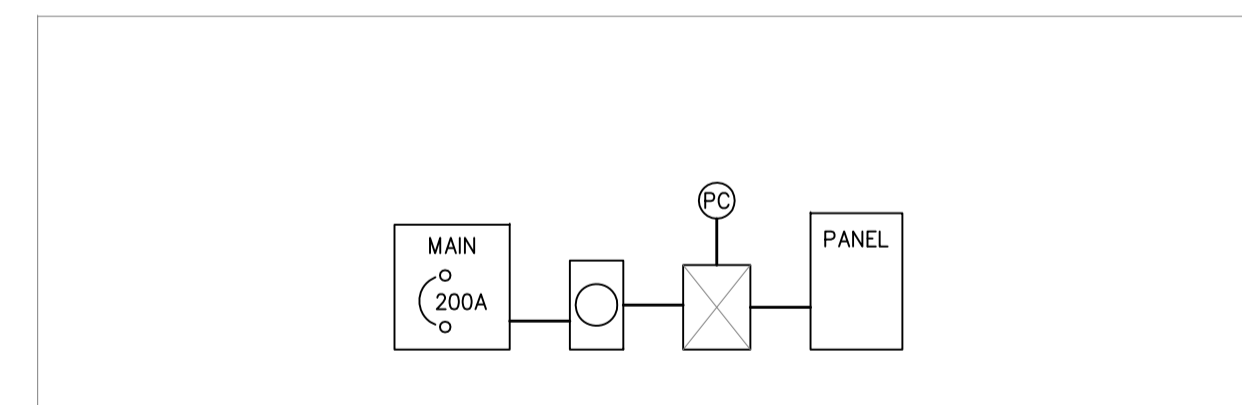


GENERAL NOTES:

- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO REMAIN IS SHOWN IN THIN SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

SPECIFIC NOTES:

- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E08) WITH NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E08). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 1x20A/2P AND 12x20A BREAKERS IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.



Issued or revised / émis ou révisé

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

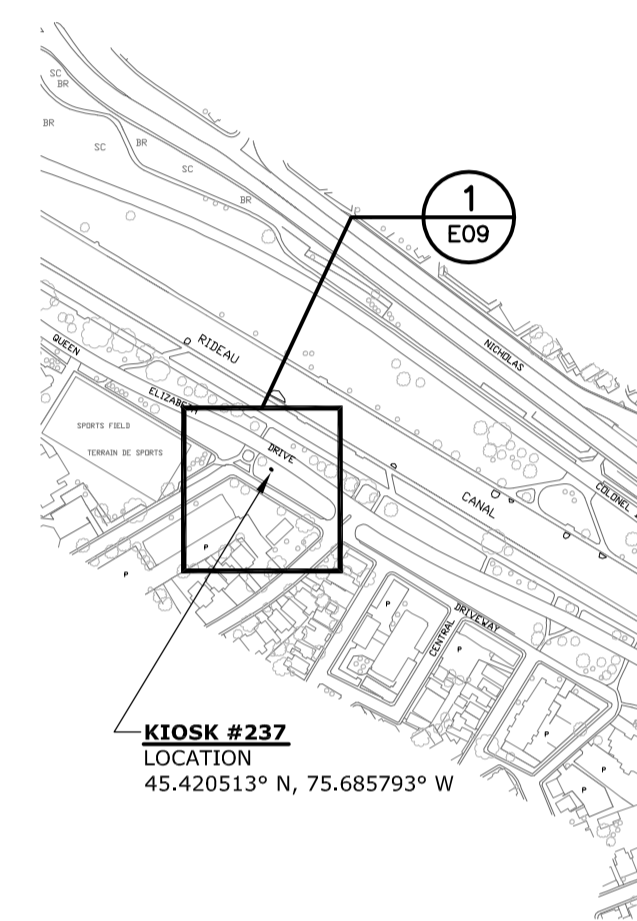
project / projet

ELECTRICAL KIOSK REPLACEMENT - CORE AREA -

drawing / dessin

KIOSK #235
(QED near Central)

approved by / approuvé par: James Huynh
designed by / conçu par: D.G.
drawn by / dessiné par: G.G.
date: 2013-08-13
scale / échelle: As Shown
NCC project no. / no. du projet de la CCN: DC4000-19
sheet no. / no. de la feuille: E08



KEYPLAN

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

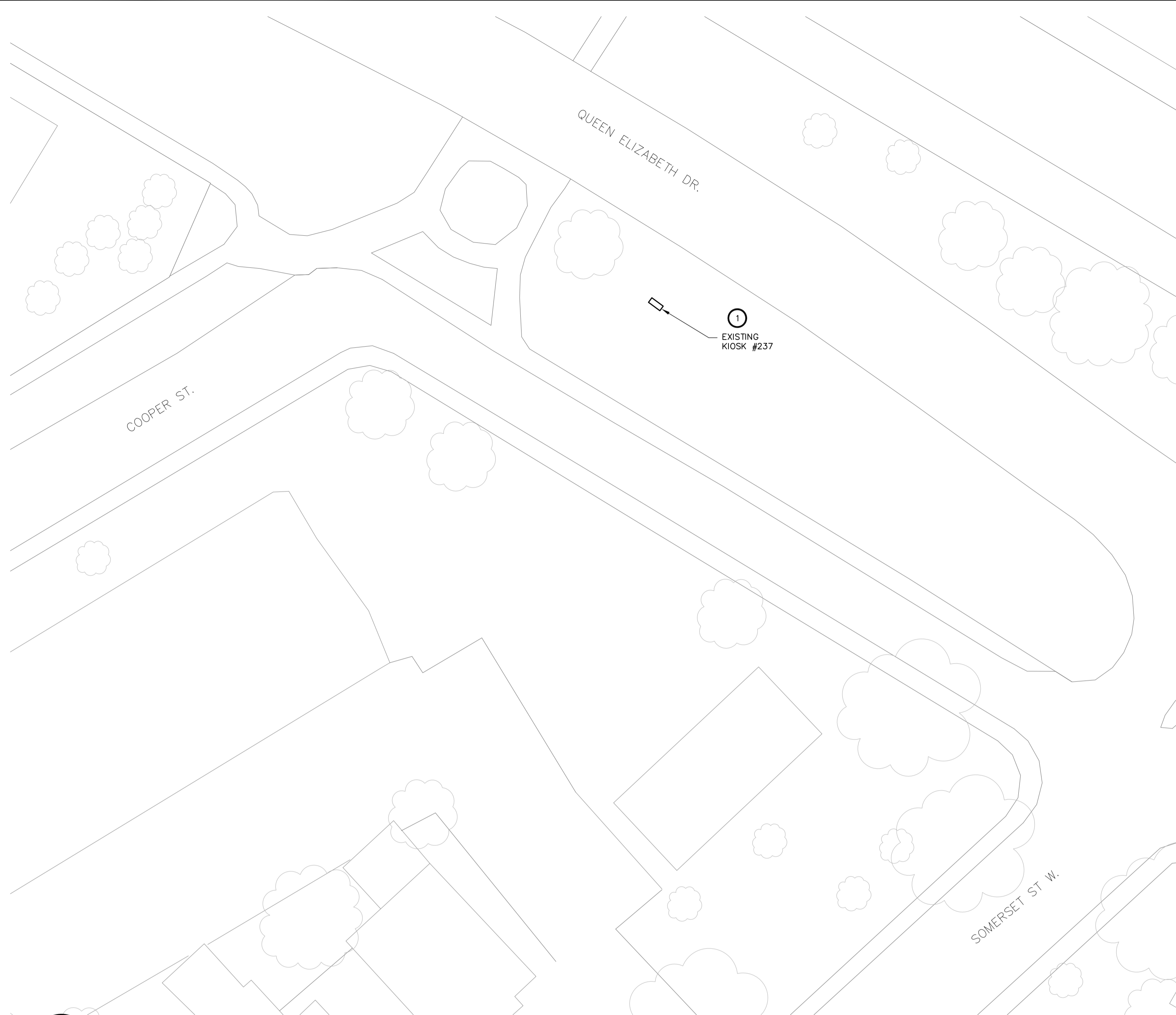
project
projet

**ELECTRICAL KIOSK
REPLACEMENT
- CORE AREA -**

drawing
dessin

**KIOSK #237
(QED near Cooper)**

approved by approuvé par	James Huynh
designed by conçu par	D.G.
drawn by dessiné par	G.G.
date	2013-09-13
scale échelle	As Shown
NCC project no. no. du projet de la CCN	DC4000-19
sheet no. no. de la feuille	E09



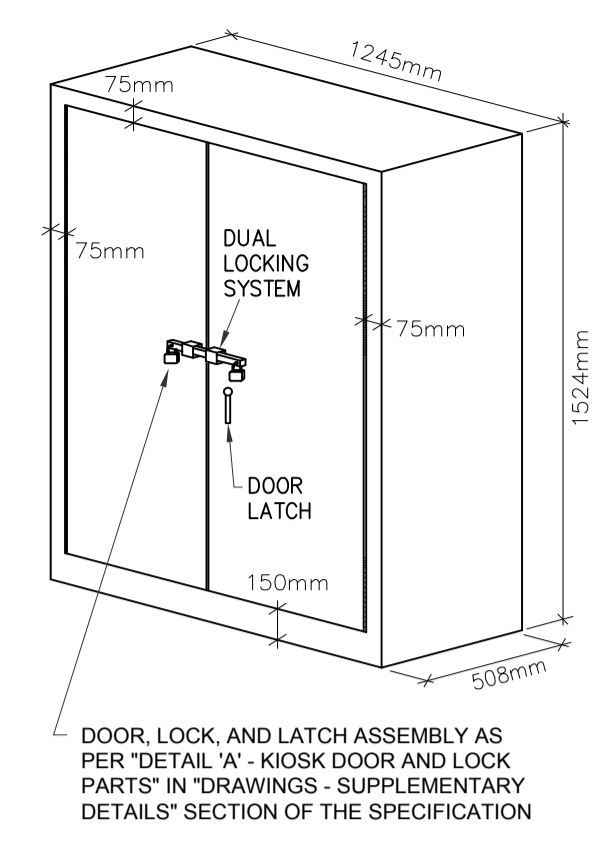
1
E09 LOCATION - KIOSK #237
1:250
0 2.5m 5m 7.5m 12.5m

GENERAL NOTES:

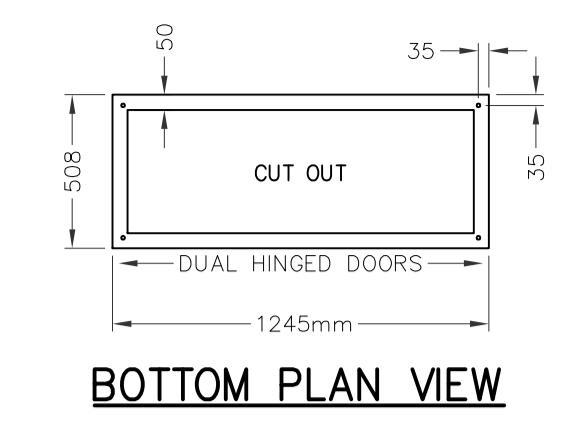
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- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

SPECIFIC NOTES:

- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E09) WITH NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E09). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 2x60A/2P AND 4x30A/1P BREAKERS IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.



3D VIEW
(NOTE 2)

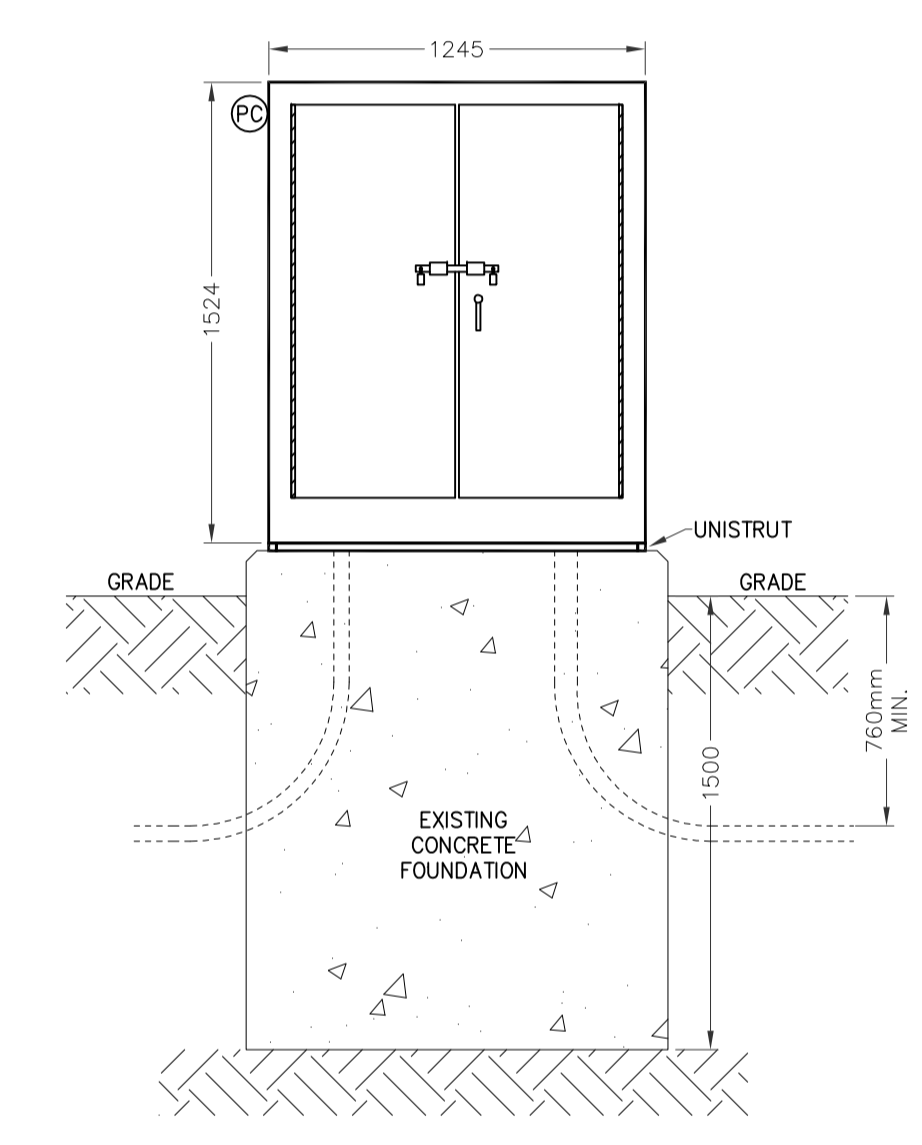


BOTTOM PLAN VIEW

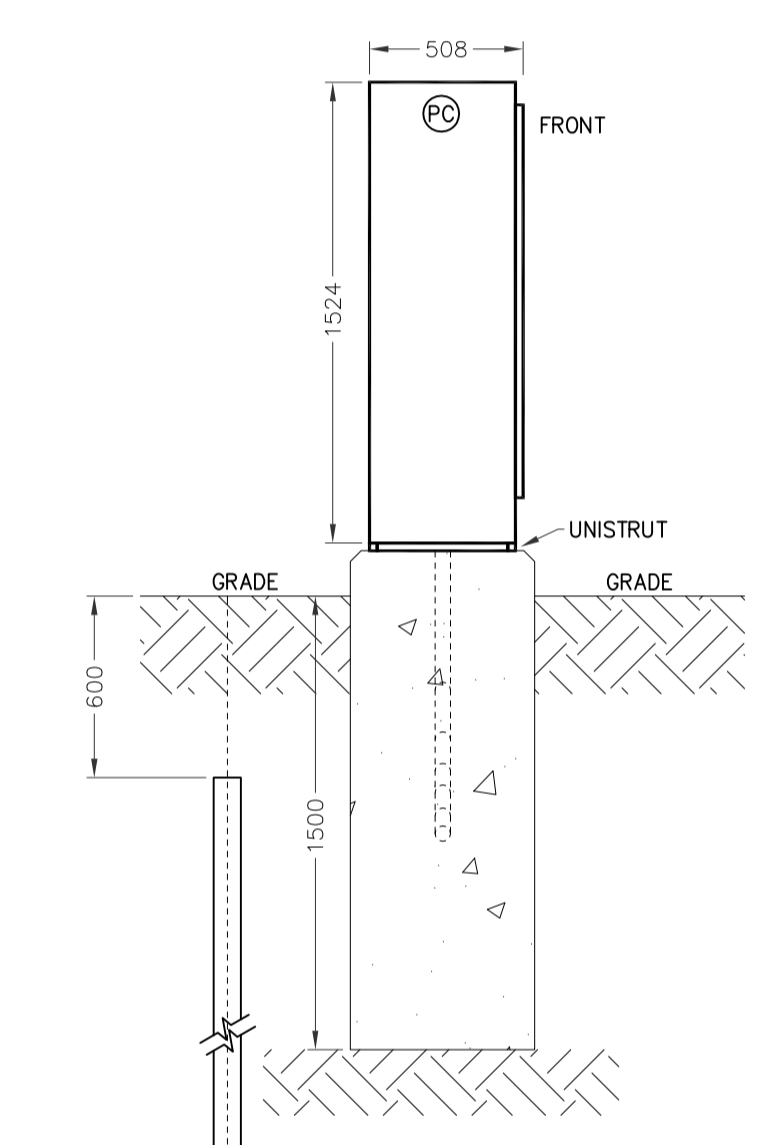
NOTE:

- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMACNEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH OR BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSELL 9GY 1.5/2/6 GREEN OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE c/w COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCELL
- MANUFACTURER BEL PRODUCTS OR APPROVED EQUIVALENT
INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT. ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

2
E09 NEW OUTDOOR PEDESTAL MOUNTED
KIOSK ENCLOSURE - CONSTRUCTION DETAIL
N.T.S.



EXTERNAL FRONT FACE

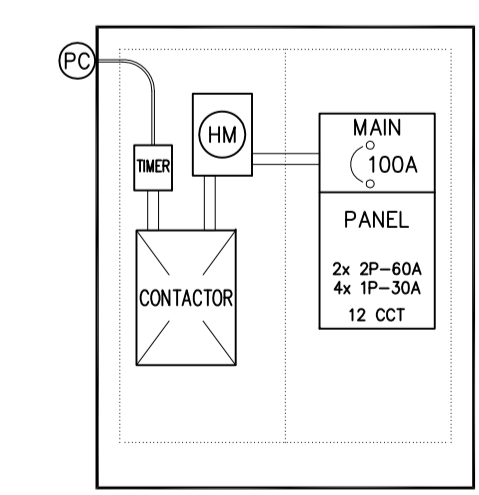


SIDE ELEVATION

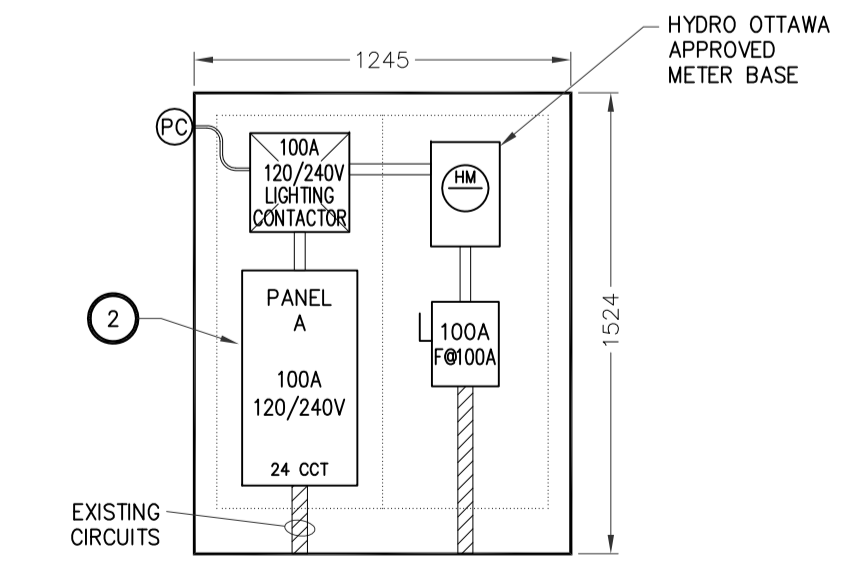
NOTE:

- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

3
E09 NEW KIOSK INSTALLATION DETAIL
N.T.S.

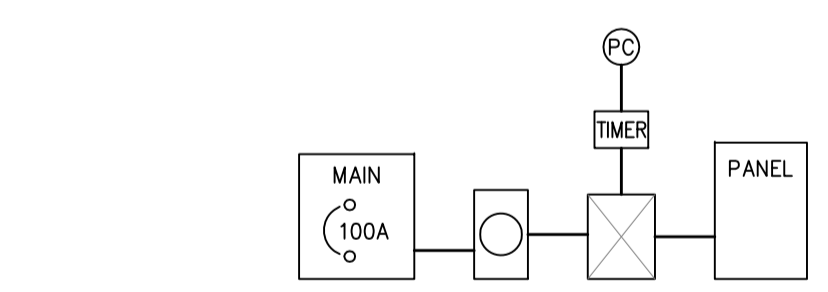


EXISTING LAYOUT

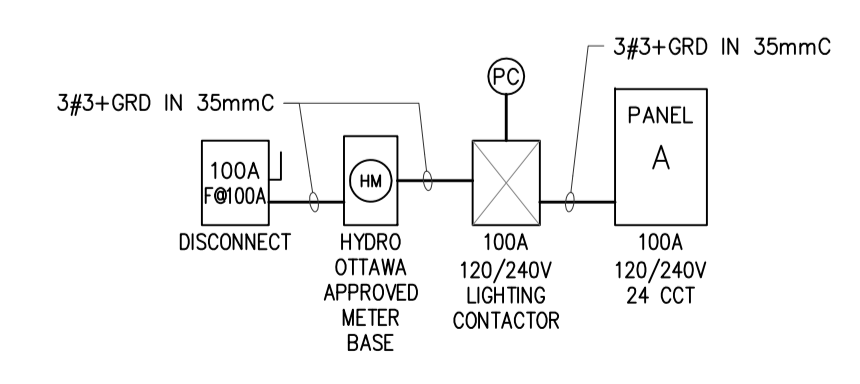


NEW LAYOUT

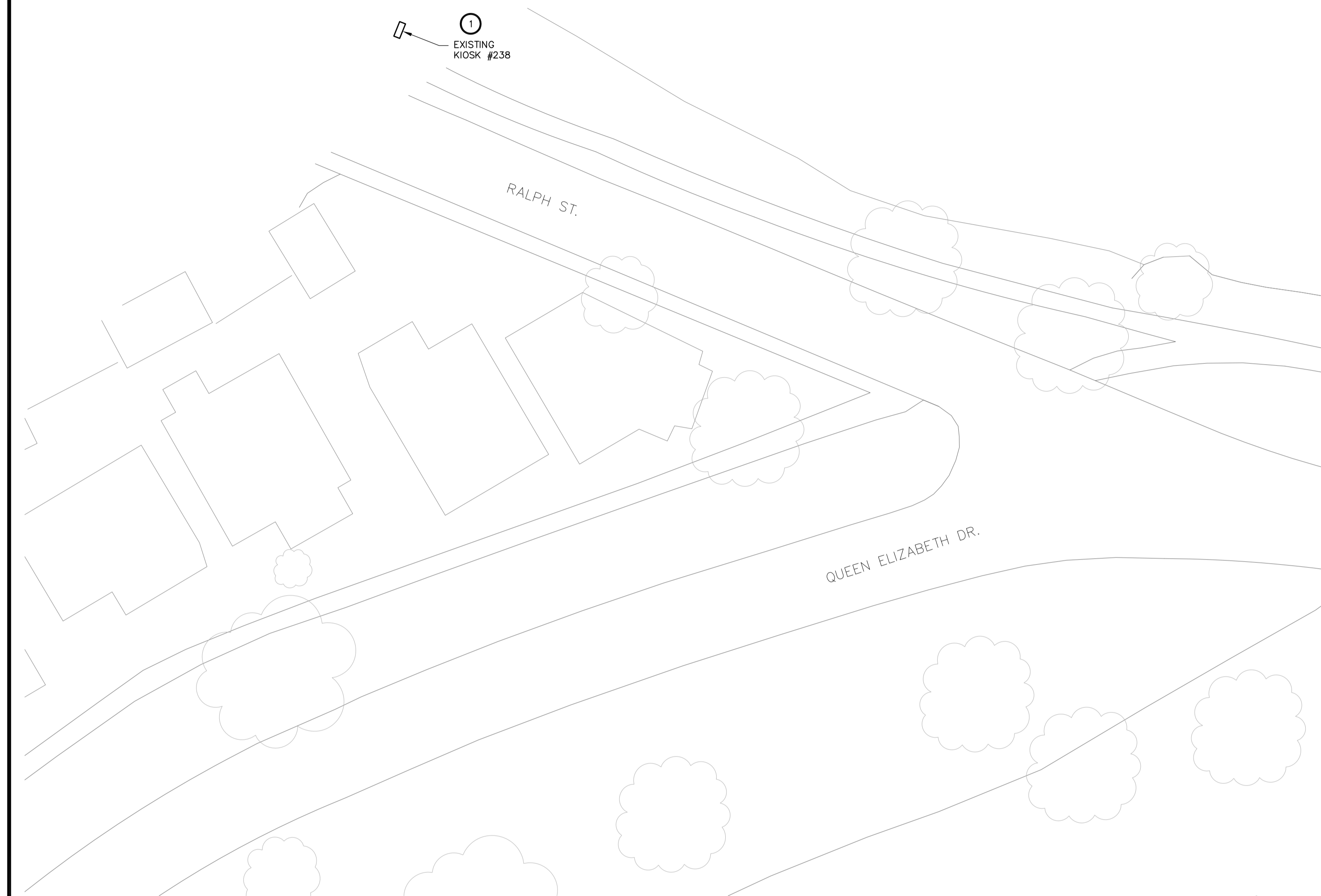
4
E09 INTERNAL LAYOUTS FOR KIOSK #237
N.T.S.



5
E09 KIOSK #237
EXISTING SINGLE LINE DIAGRAM
N.T.S.



6
E09 KIOSK #237
NEW SINGLE LINE DIAGRAM
N.T.S.



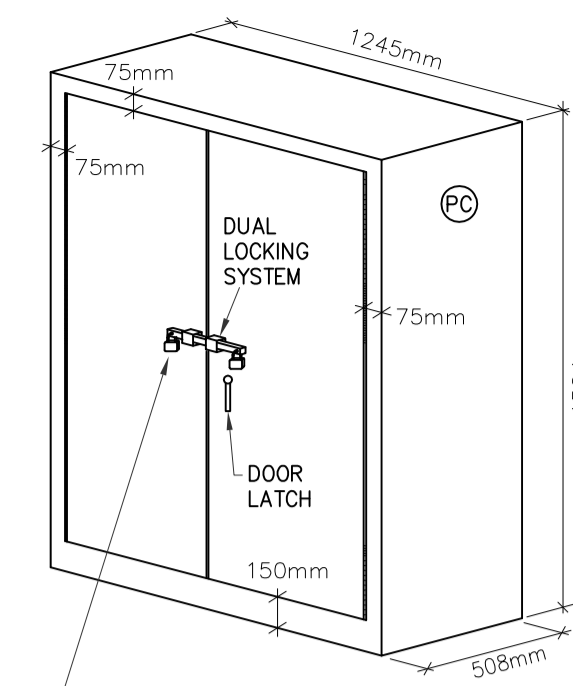
1 LOCATION - KIOSK #238
E10 1:250

GENERAL NOTES:

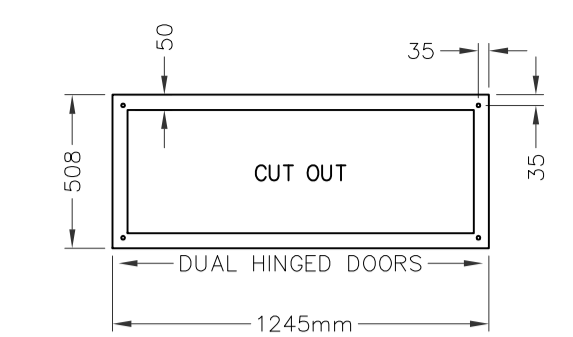
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- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

SPECIFIC NOTES:

- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E10) WITH NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E10). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 5x20A AND 5x30A BREAKERS IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.



3D VIEW
(NOTE 2)

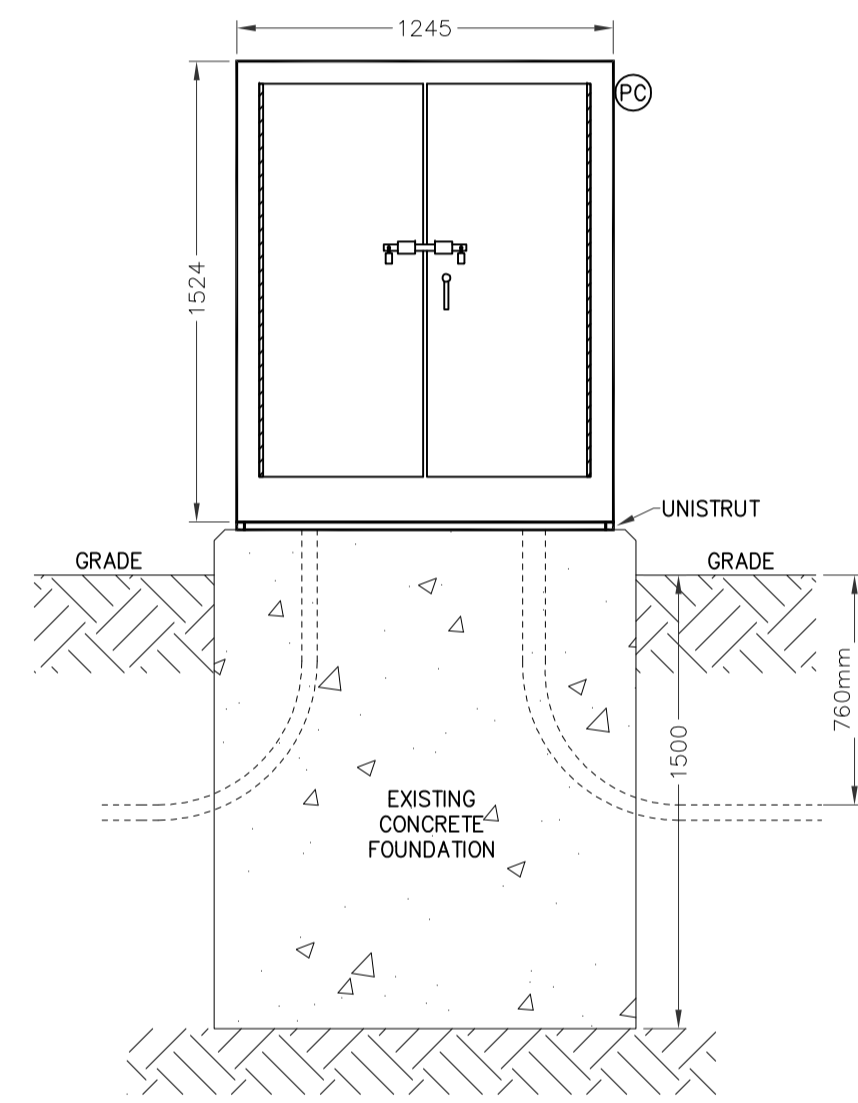


BOTTOM PLAN VIEW

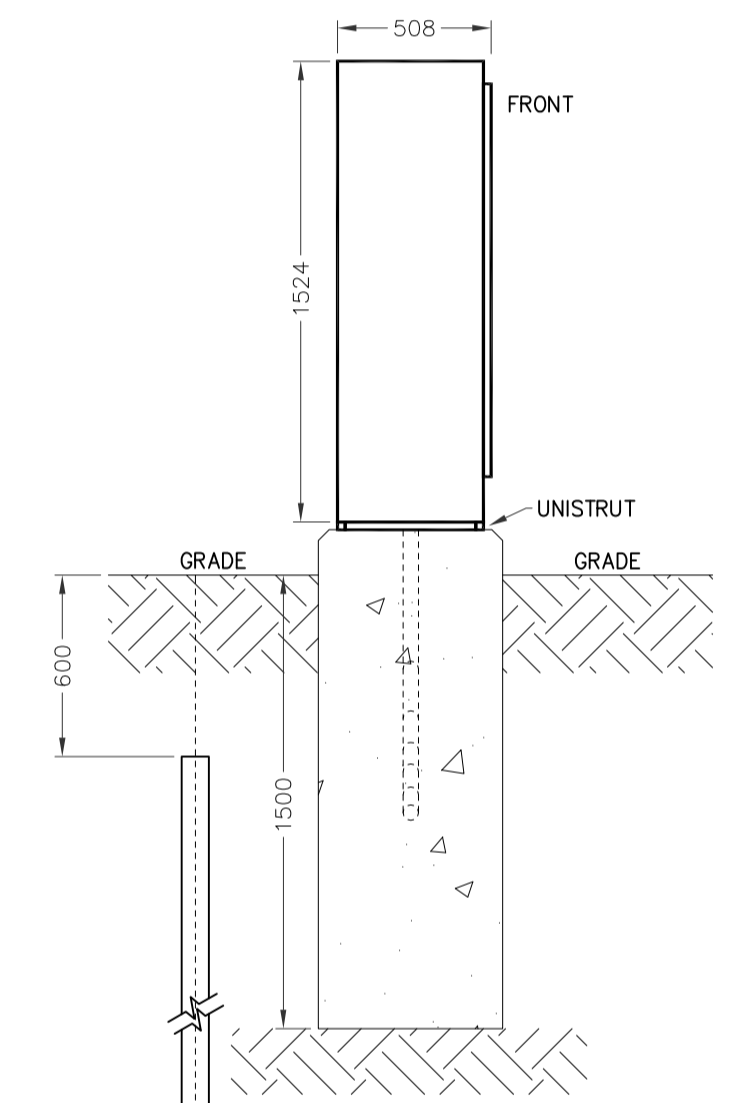
NOTE:

- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMACINEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSSELL 96Y 1.5/2.6 GREEN OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE c/w COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCCELL
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
- INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT, ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

2 NEW OUTDOOR PEDESTAL MOUNTED KIOSK ENCLOSURE - CONSTRUCTION DETAIL
E10 N.T.S.



EXTERNAL FRONT FACE



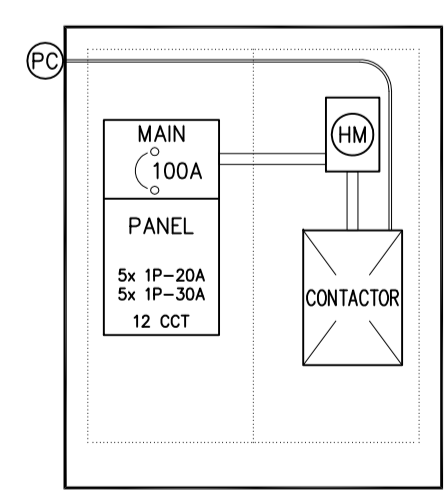
SIDE ELEVATION

NOTE:

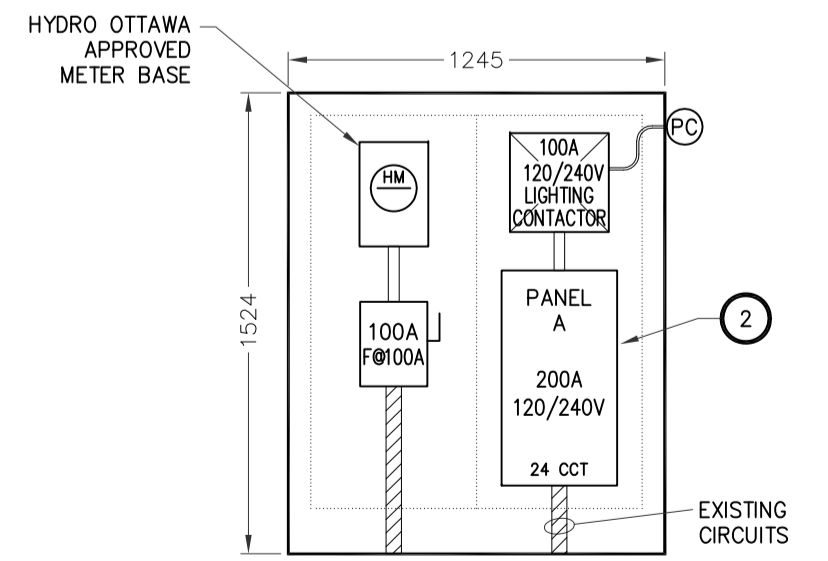
- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

CONTRACTOR TO CONFIRM EXISTING - 3-3000mmx19mm COPPER CLAD STEEL GROUND RODS AND #1 BARE GROUND CONDUCTOR IN 27mm RIGID PVC CONDUIT. PROVIDE & INSTALL IF INCOMPLETE

3 NEW KIOSK INSTALLATION DETAIL
E10 N.T.S.

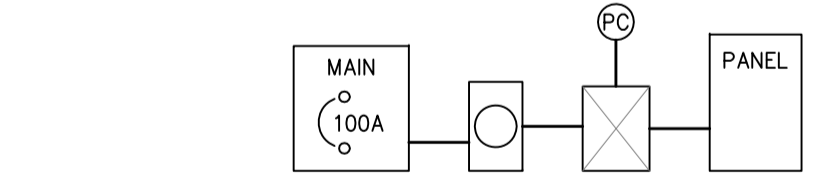


EXISTING LAYOUT

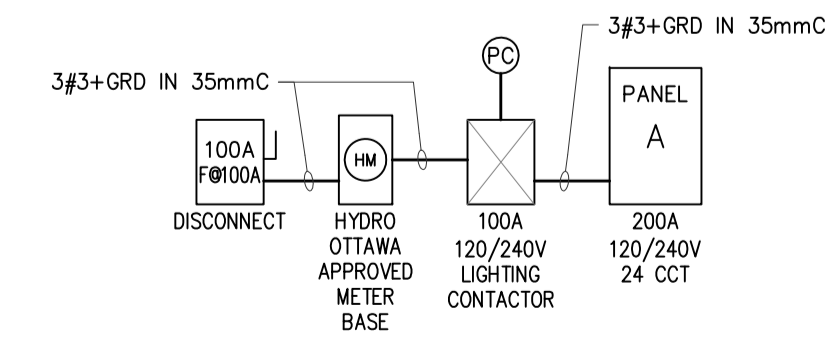


NEW LAYOUT

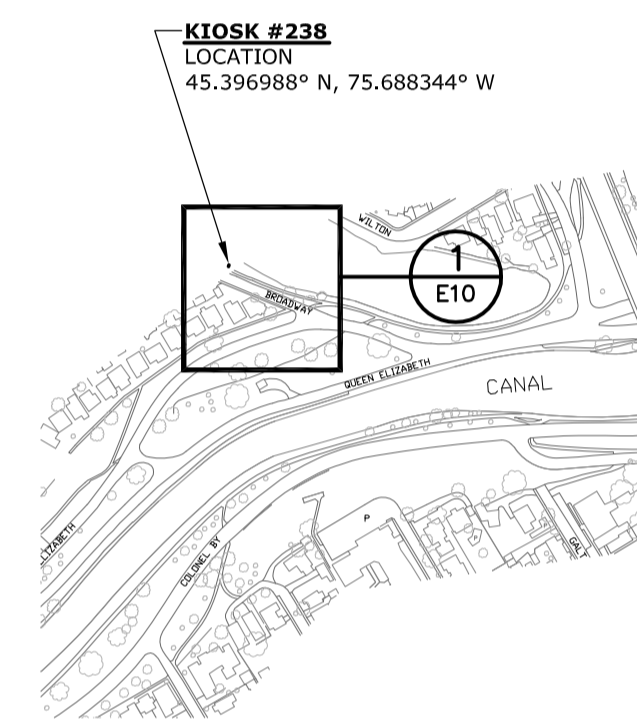
4 INTERNAL LAYOUTS FOR KIOSK #238
E10 N.T.S.



5 KIOSK #238 EXISTING SINGLE LINE DIAGRAM
E10 N.T.S.



6 KIOSK #238 NEW SINGLE LINE DIAGRAM
E10 N.T.S.



KEYPLAN

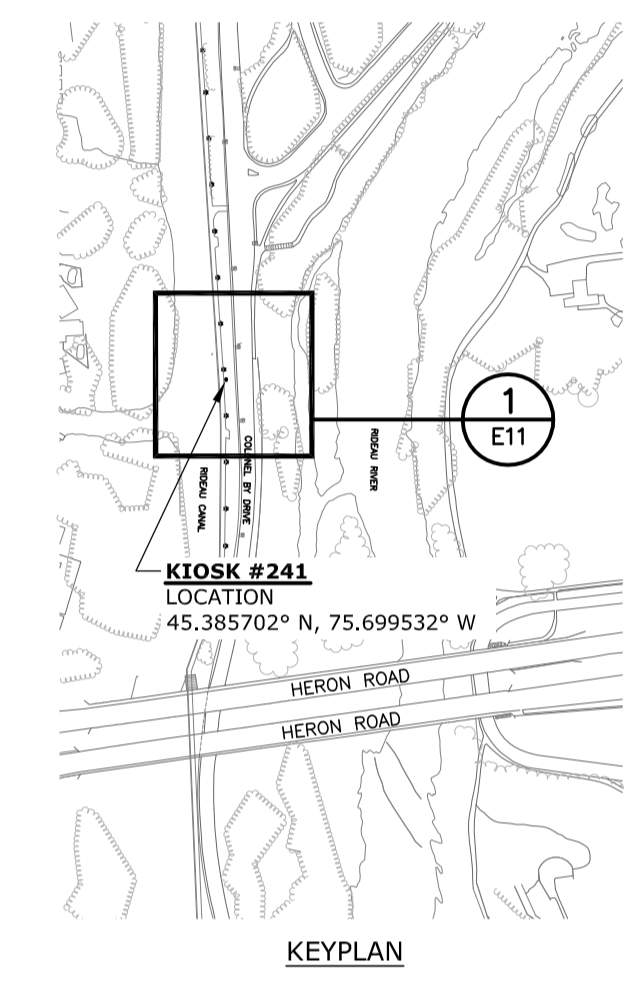
no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

project
projet

ELECTRICAL KIOSK REPLACEMENT - CORE AREA -

KIOSK #238
(Ralphs St. near QED)

approved by / approuvé par	James Huynh
designed by / conçu par	D.G.
drawn by / dessiné par	G.G.
date	2013-09-13
scale / échelle	As Shown
NCC project no. / no. du projet de la CCN	DC4000-19
sheet no. / de la feuille	E10



no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

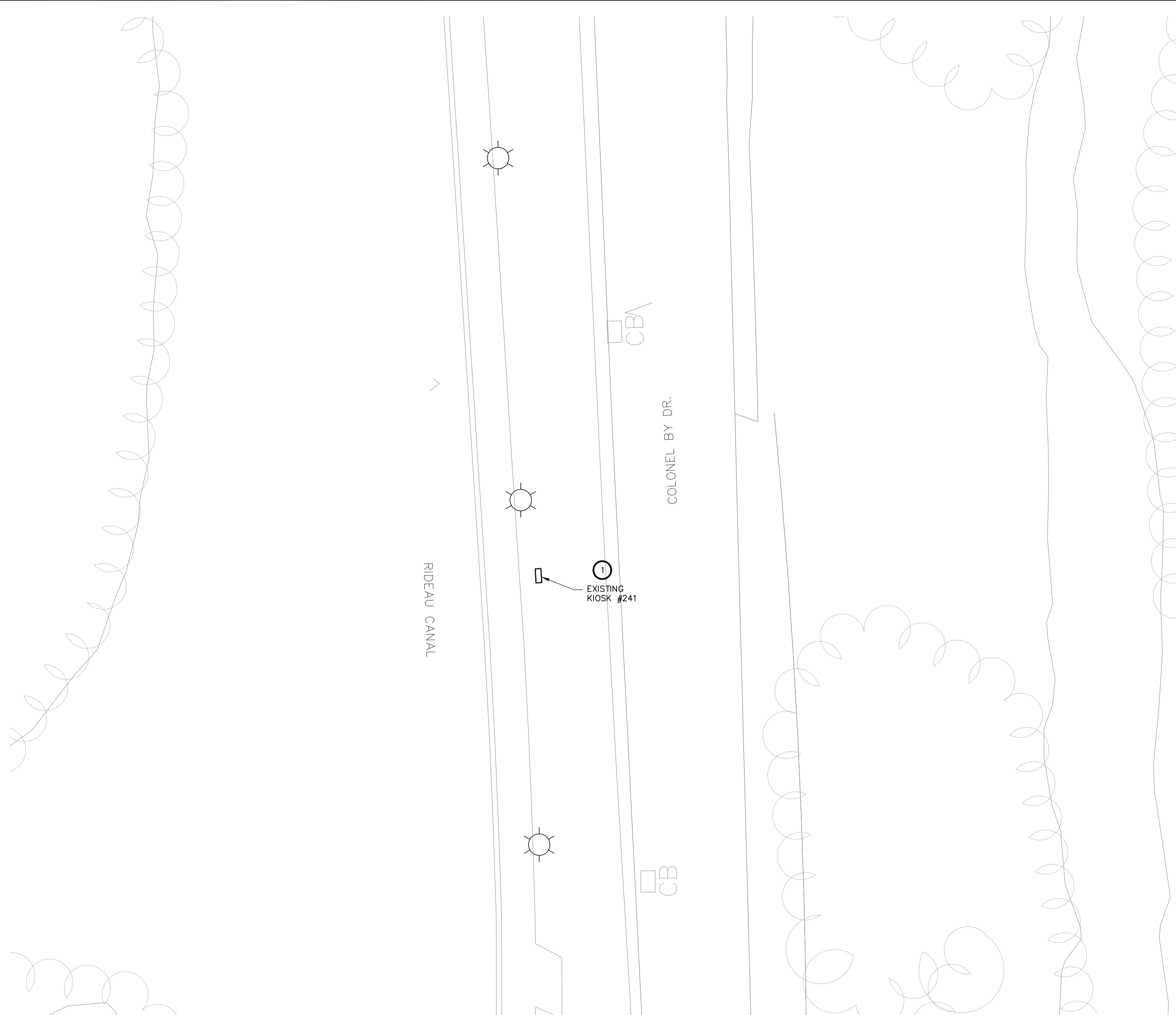
project
projet

**ELECTRICAL KIOSK
REPLACEMENT
- CORE AREA -**

drawing
dessin

**KIOSK #241
(Colonel By near Harwell Locks)**

approved by
approuvé par James Huynh
designed by
conçu par D.G.
drawn by
dessiné par G.G.
date 2013-09-13 scale
échelle As Shown
NCC project no. sheet no.
no. du projet de la CCN no. de la feuille
DC4000-19 **E11**

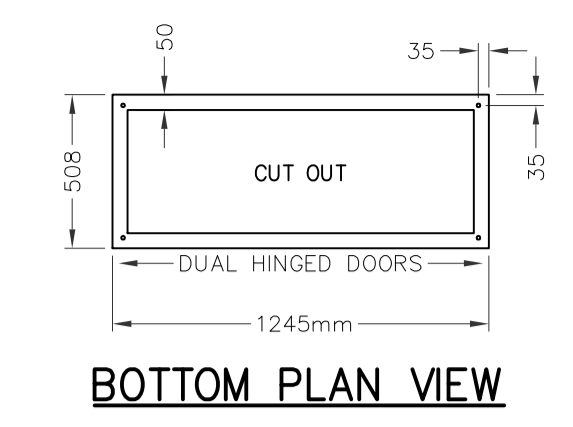
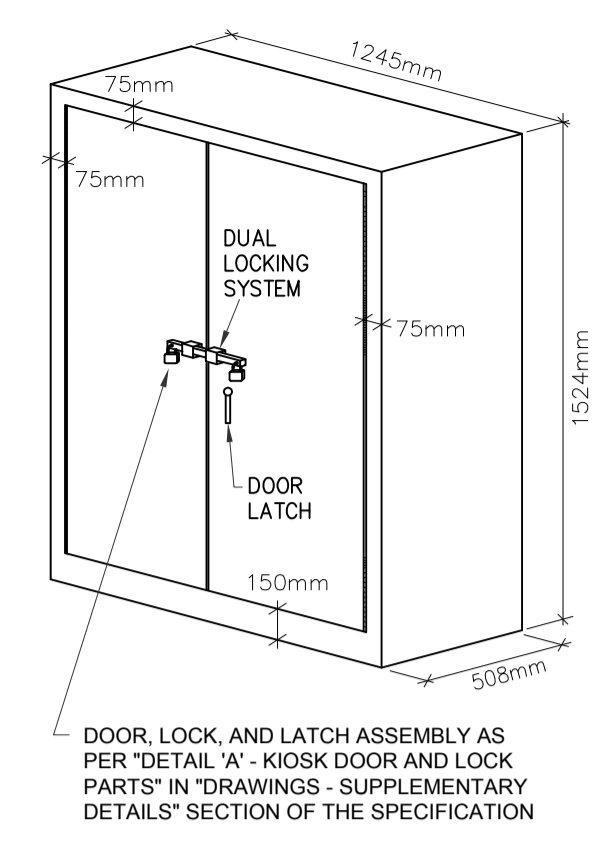
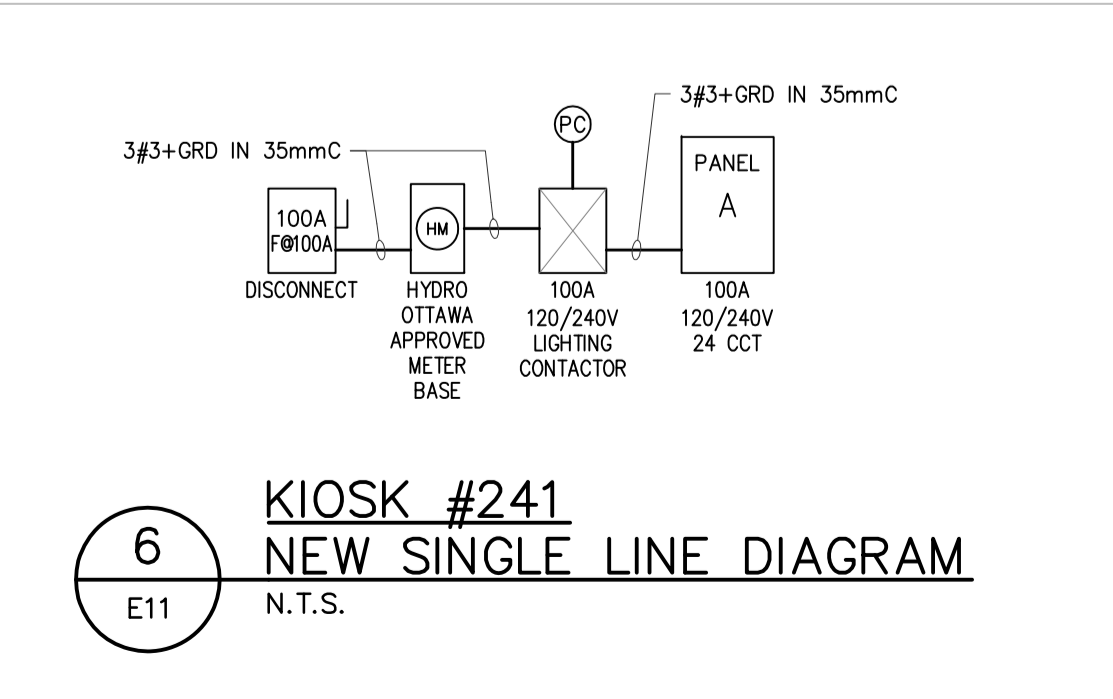
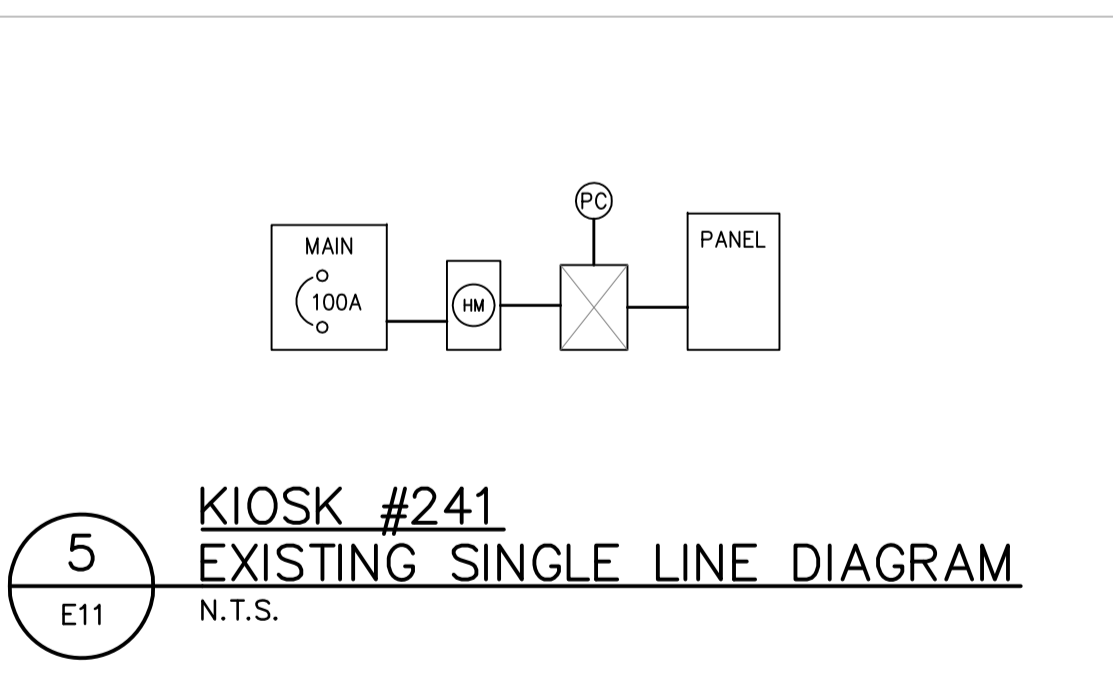


GENERAL NOTES:

- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO REMAIN IS SHOWN IN THIN SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

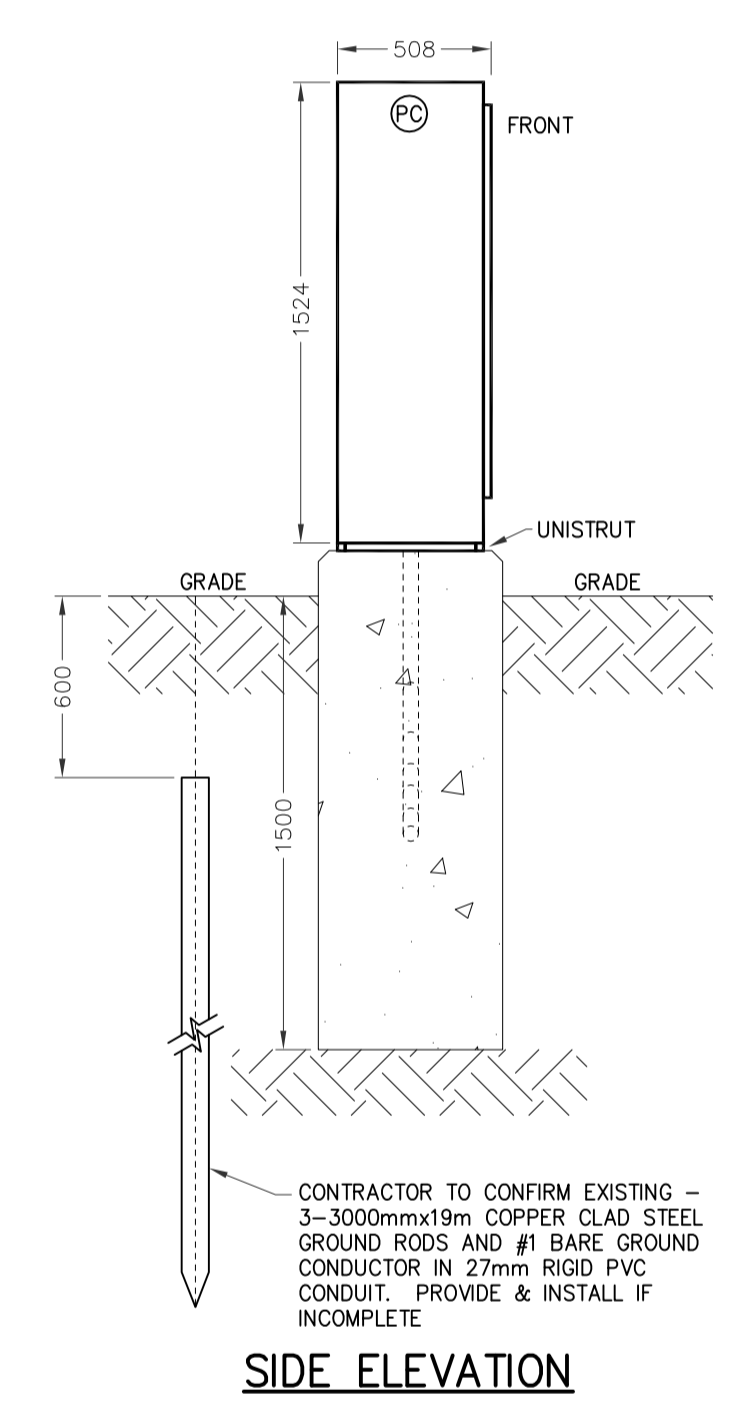
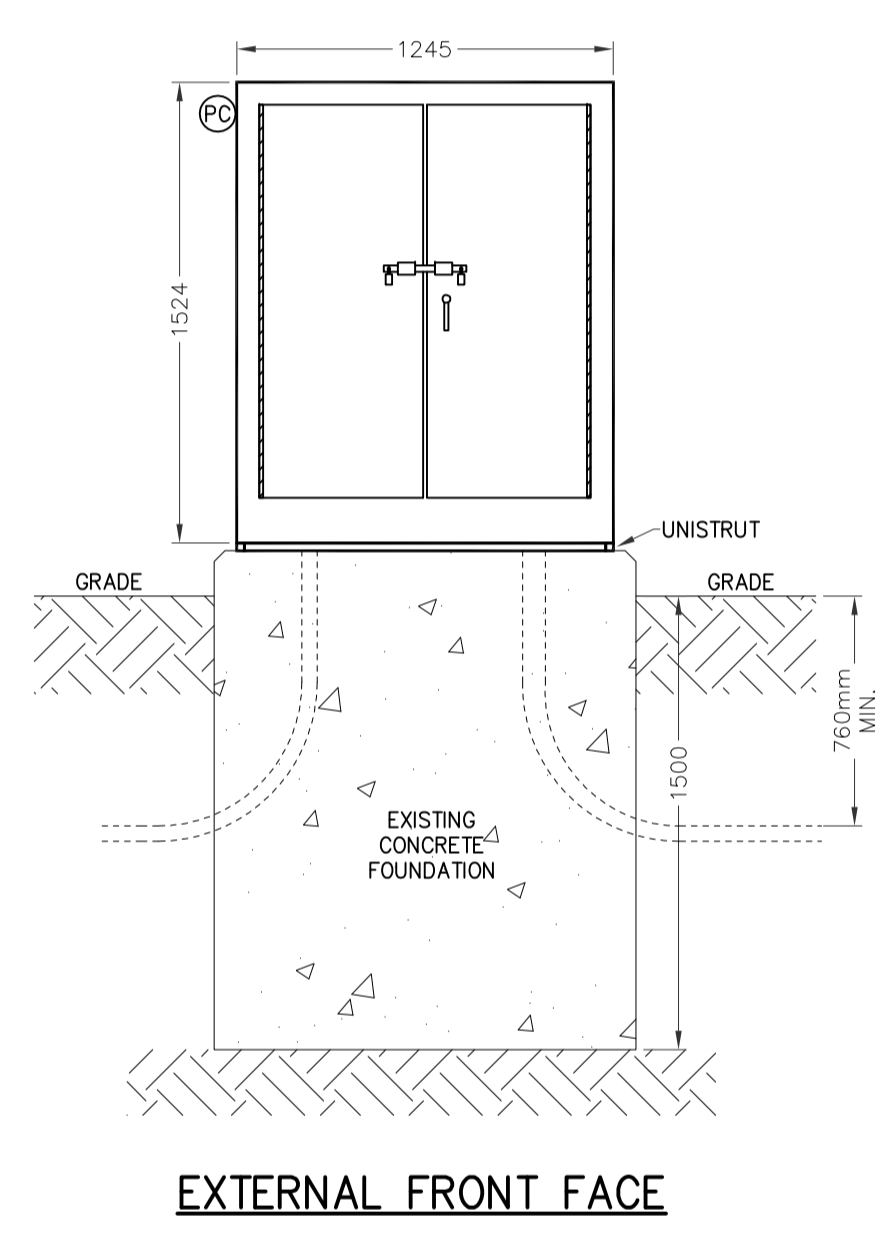
SPECIFIC NOTES:

- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E11) WITH NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E11). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 1x30A AND 6x20A BREAKERS IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.



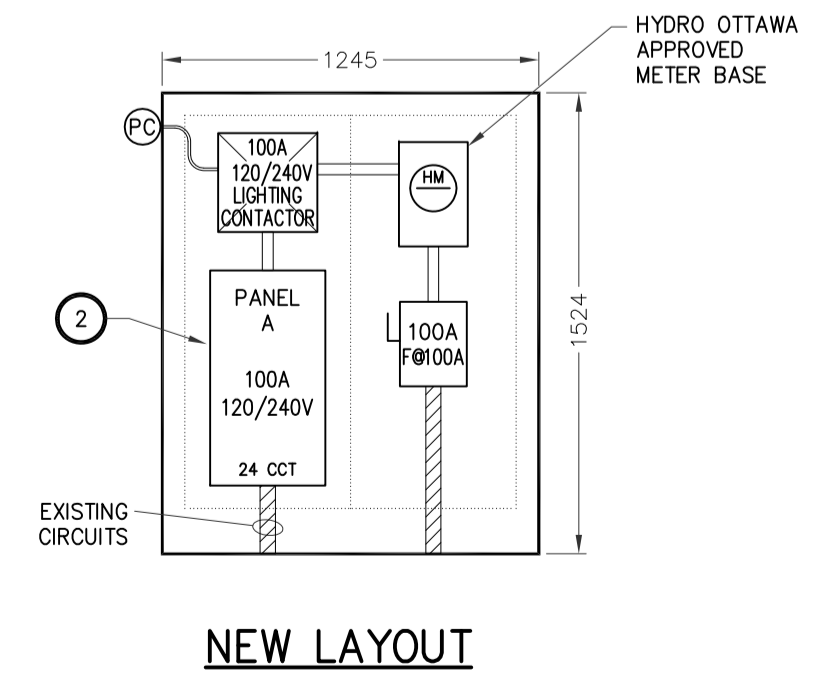
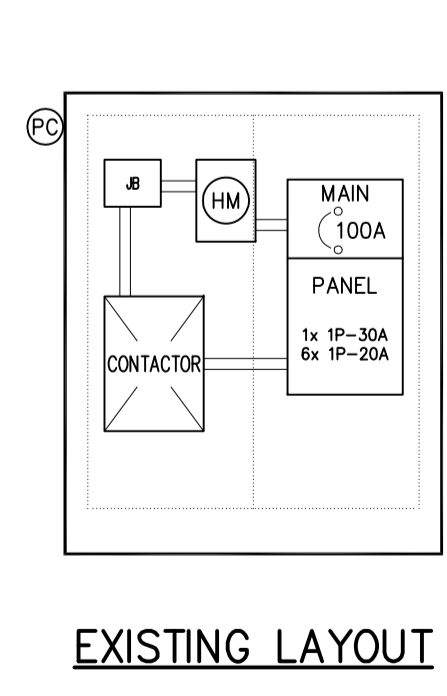
- NOTE:**
- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMACINEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSELL 9GY 1.5/2/6 GREEN OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE C/W COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCELL
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
 - INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT, ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

**2 NEW OUTDOOR PEDESTAL MOUNTED
KIOSK ENCLOSURE - CONSTRUCTION DETAIL**
E11 N.T.S.

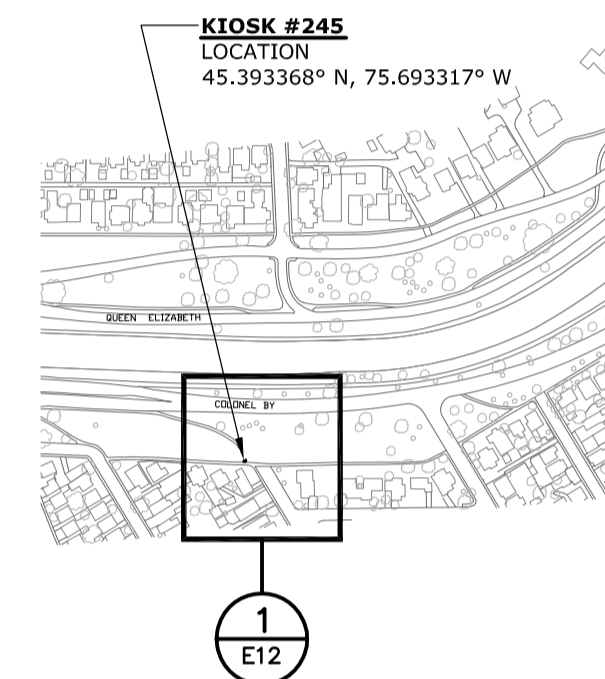


- NOTE:**
- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

3 NEW KIOSK INSTALLATION DETAIL
E11 N.T.S.



4 INTERNAL LAYOUTS FOR KIOSK #241
E11 N.T.S.



KEYPLAN

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

project
projet

**ELECTRICAL KIOSK
REPLACEMENT
- CORE AREA -**

drawing
dessin

KIOSK #245
(Carlyle St. near Colonel By)

approved by
approuvé par James Huynh

designed by
conçu par D.G.

drawn by
dessiné par G.G.

date 2013-09-13 scale
échelle As Shown

NCC project no. sheet no.
no. du projet de la CCN no. de la feuille
DC4000-19 **E12**



1
E12 LOCATION - KIOSK #245
1:250
0 2.5m 5m 7.5m 12.5m

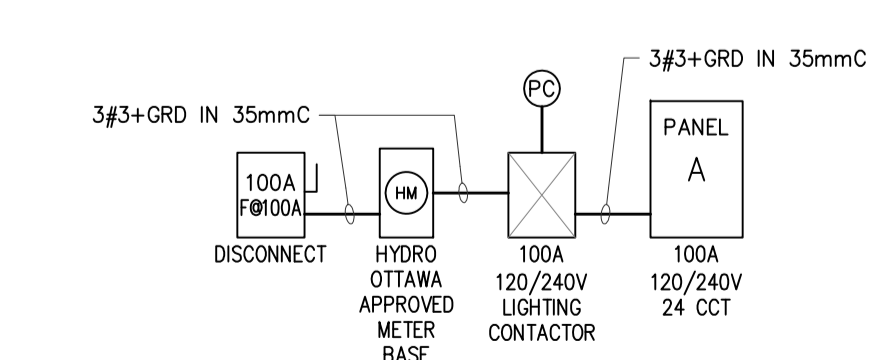
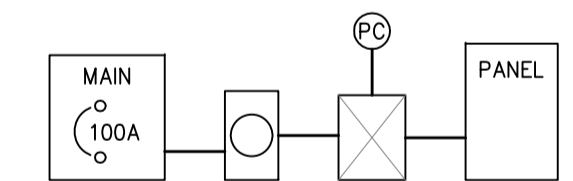
GENERAL NOTES:

- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO REMAIN IS SHOWN IN THIN SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

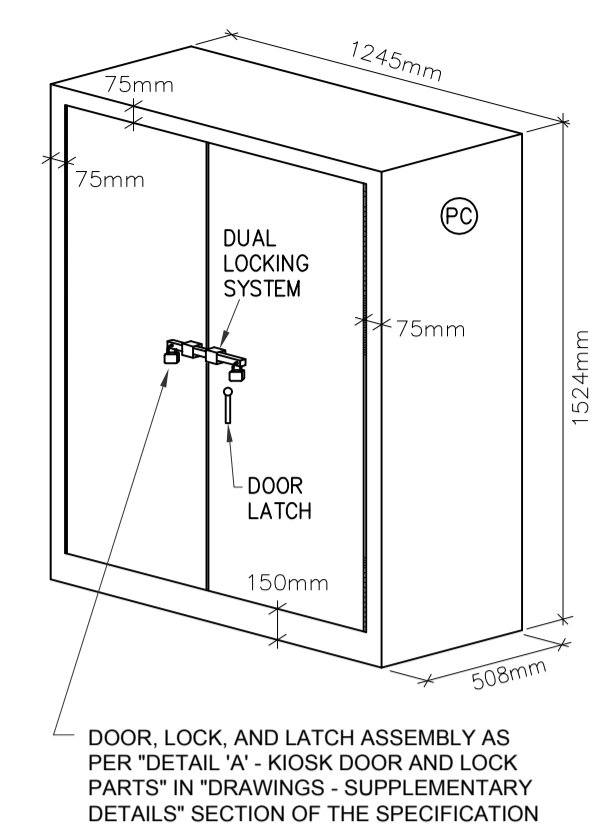
SPECIFIC NOTES:

- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E12) WITH NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E12). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 3x15A AND 5x20A BREAKERS IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.

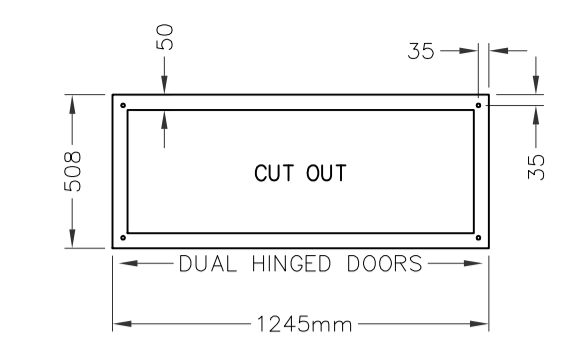
5
E12 **KIOSK #245
EXISTING SINGLE LINE DIAGRAM**
N.T.S.



6
E12 **KIOSK #245
NEW SINGLE LINE DIAGRAM**
N.T.S.



3D VIEW
(NOTE 2)

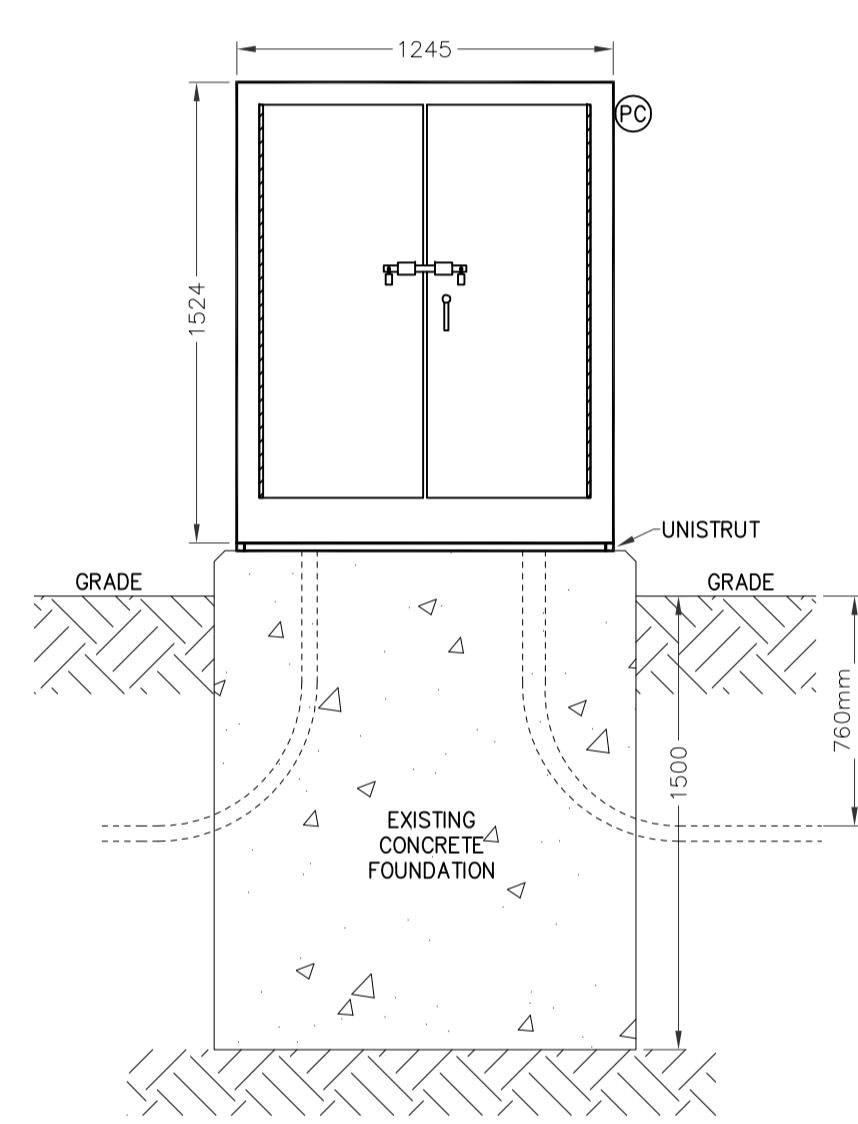


BOTTOM PLAN VIEW

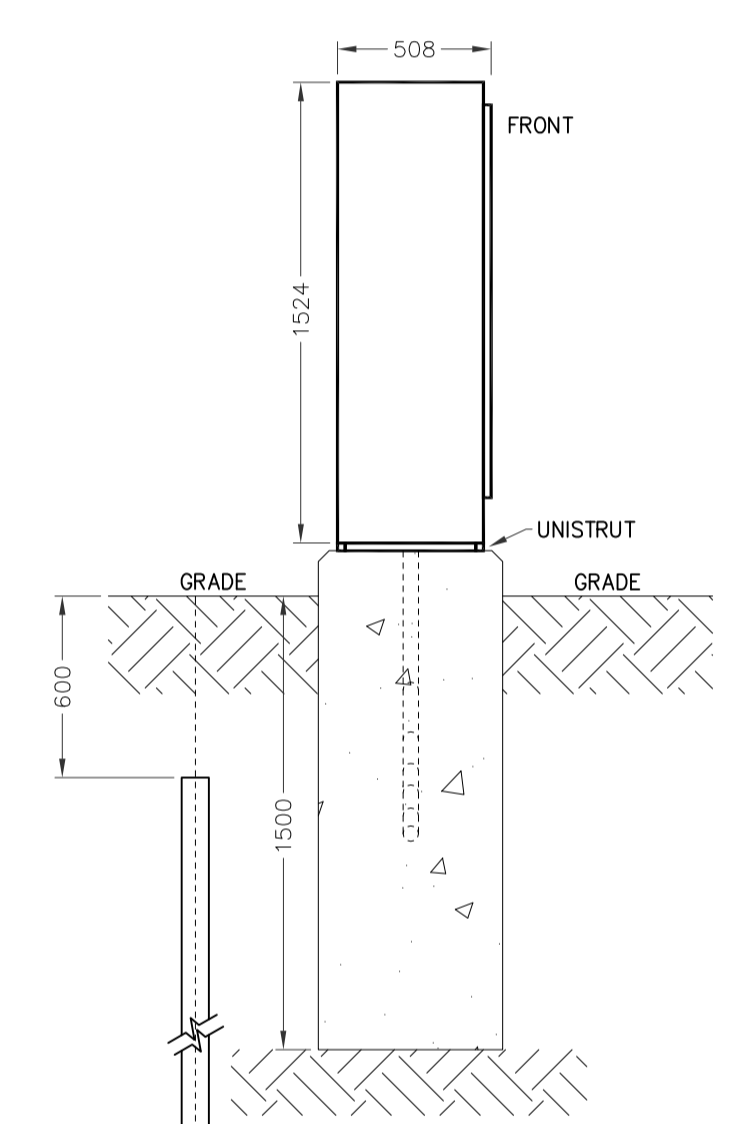
NOTE:

- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMACINEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSELL 9GY 1.5/2/6 GREEN OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE c/w COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCCELL
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
- INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT, ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

2
E12 **NEW OUTDOOR PEDESTAL MOUNTED
KIOSK ENCLOSURE - CONSTRUCTION DETAIL**
N.T.S.



EXTERNAL FRONT FACE

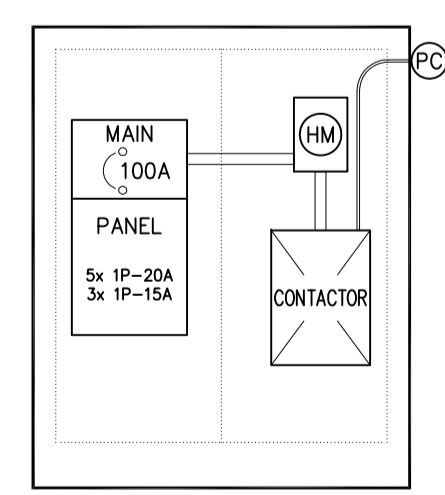


SIDE ELEVATION

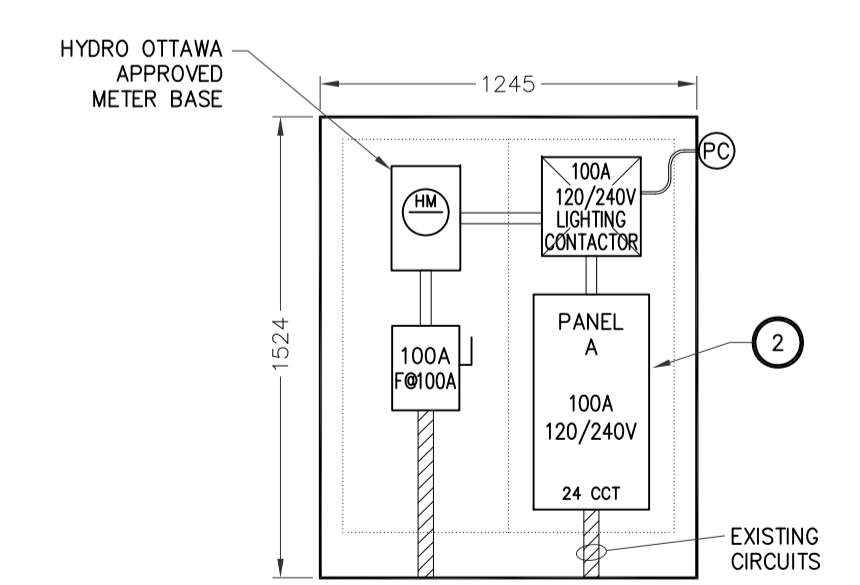
NOTE:

- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

3
E12 **NEW KIOSK INSTALLATION DETAIL**
N.T.S.



EXISTING LAYOUT



NEW LAYOUT

4
E12 **INTERNAL LAYOUTS FOR KIOSK #245**
N.T.S.



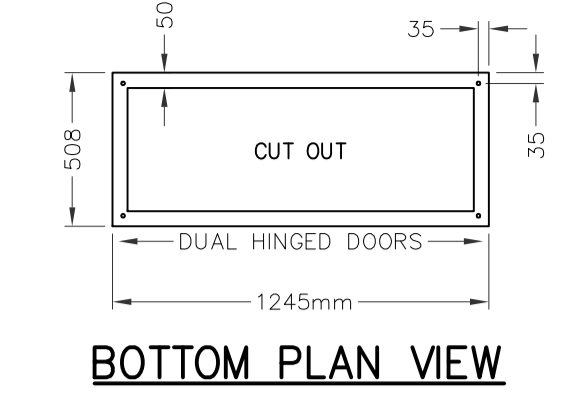
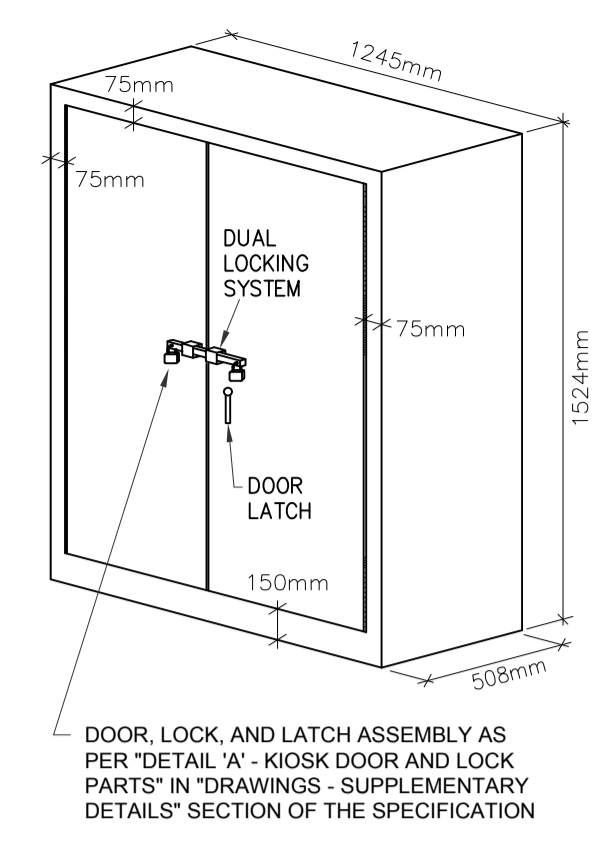
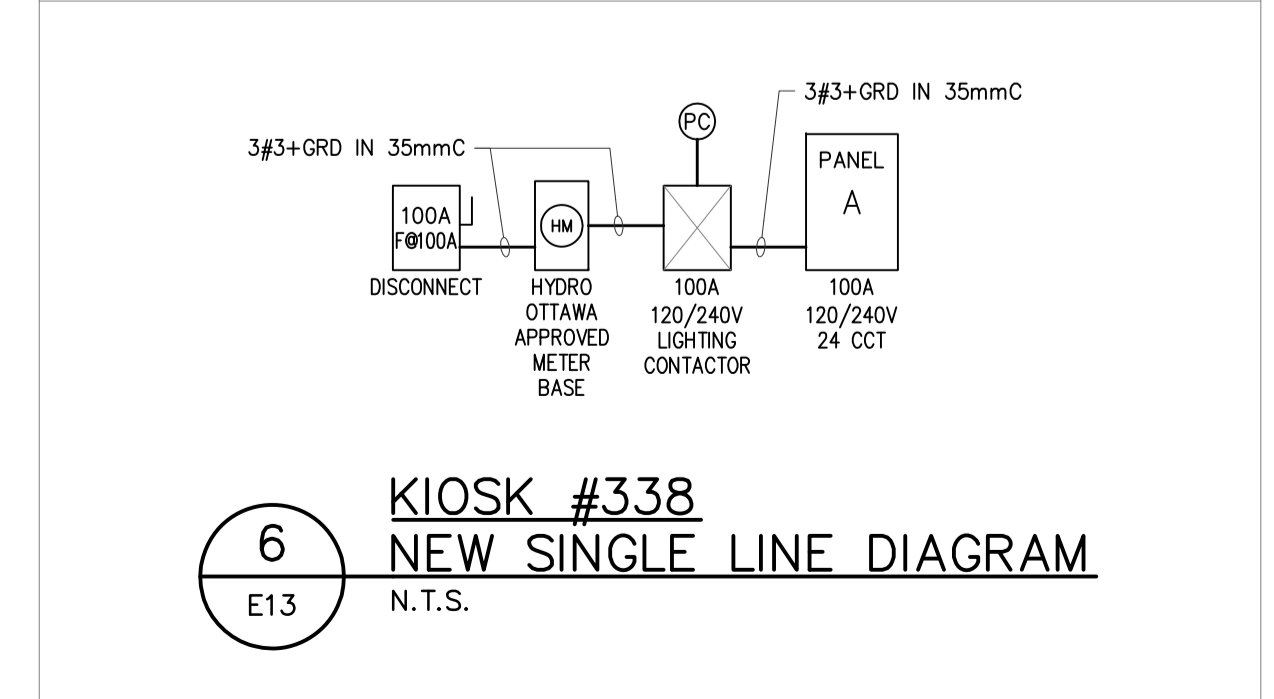
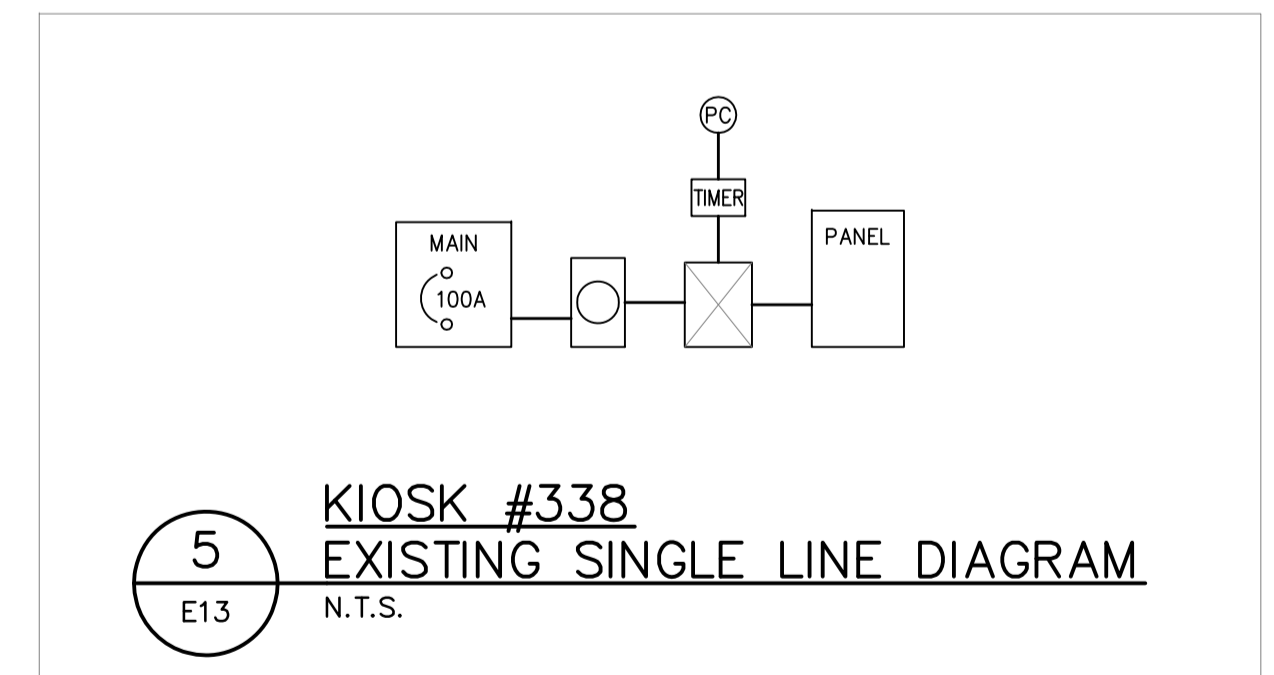
1 LOCATION – KIOSK #338
E13 N.T.S.

GENERAL NOTES:

- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO REMAIN IS SHOWN IN THIN SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

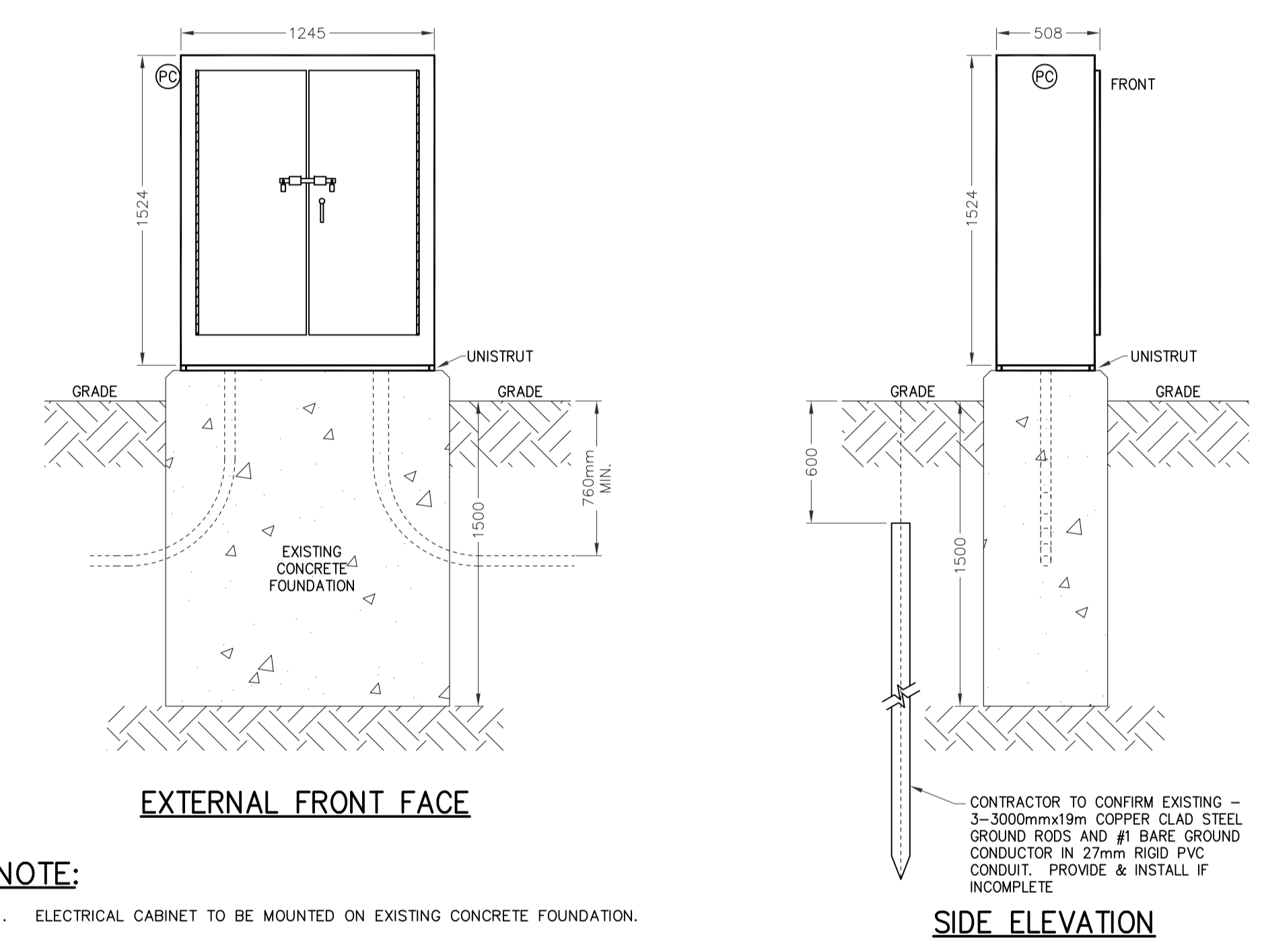
SPECIFIC NOTES:

- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E13) WITH NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E13). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 2x15A AND 2x30A/2P BREAKERS IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.



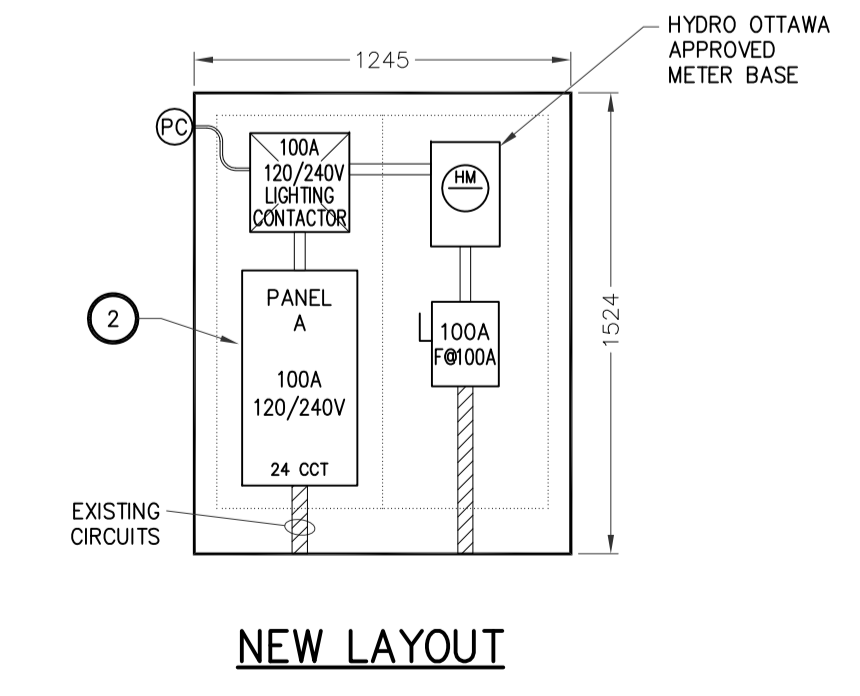
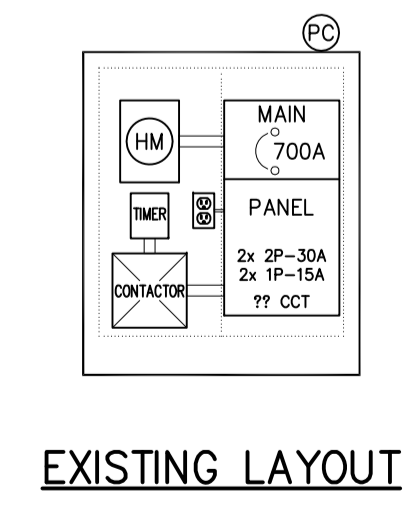
- NOTE:**
- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 3/16" STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMACINEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE 1 COAT PRIME PLUS 2 EPOXY POWDER COATS STANDARD HYDRO GREEN GLYPTEL #G-6332
 - REMOVABLE INNER PANEL (16 GAUGE c/w COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCELL
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
 - INSTALL A GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET.

2 NEW OUTDOOR PEDESTAL MOUNTED KIOSK ENCLOSURE – CONSTRUCTION DETAIL
E13 N.T.S.



- NOTE:**
- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

3 NEW KIOSK INSTALLATION DETAIL
E13 N.T.S.



4 INTERNAL LAYOUTS FOR KIOSK #338
E13 N.T.S.

Capital Planning and Real Asset Management Branch
Direction de l'aménagement de la capitale et gestion de l'immobilier

Design and Construction Division
Division design et construction

director - Daniel Miron - directeur

consultant
expert-conseil

GENIVAR
300-2611 QUEENSWAY DRIVE
OTTAWA (ONTARIO)
CANADA K2B 8K2
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WWW.GENIVAR.COM

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

project
projet

ELECTRICAL KIOSK REPLACEMENT - CORE AREA -

drawing
dessin

KIOSK #338
(Booth St.)

approved by
approuvé par James Huynh

designed by
conçu par D.G.

drawn by
dessiné par G.G.

date 2013-09-13 scale
échelle As Shown

NCC project no. sheet no.
no. du projet de la CCN no. de la feuille
DC4000-19 **E13**



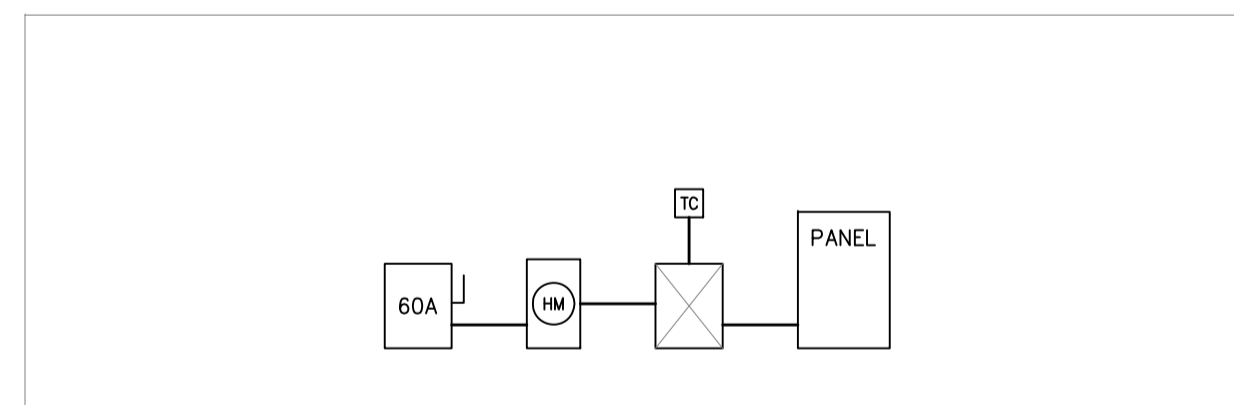
1 LOCATION – KIOSK #365
E14 N.T.S.

GENERAL NOTES:

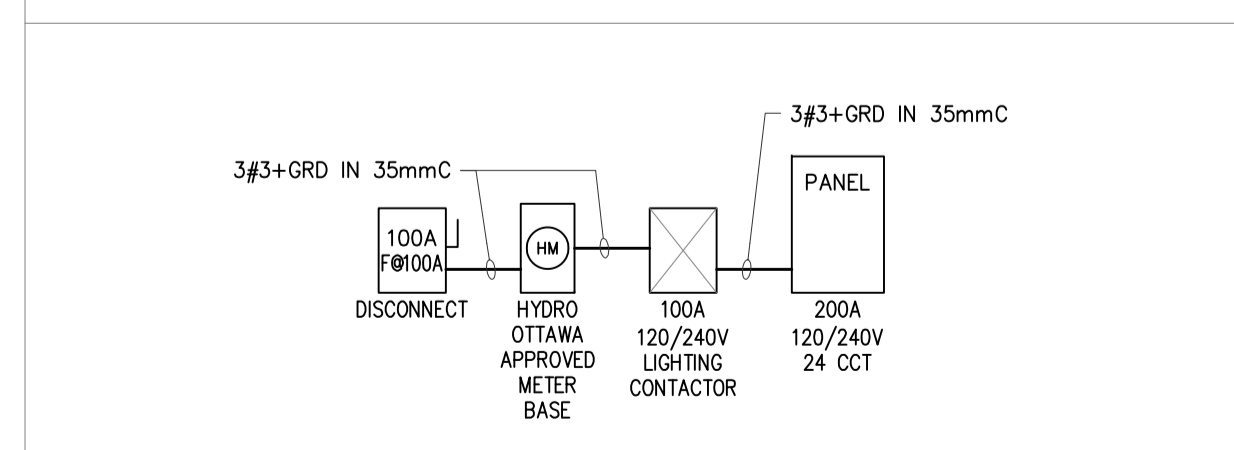
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO REMAIN IS SHOWN IN THIN SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

SPECIFIC NOTES:

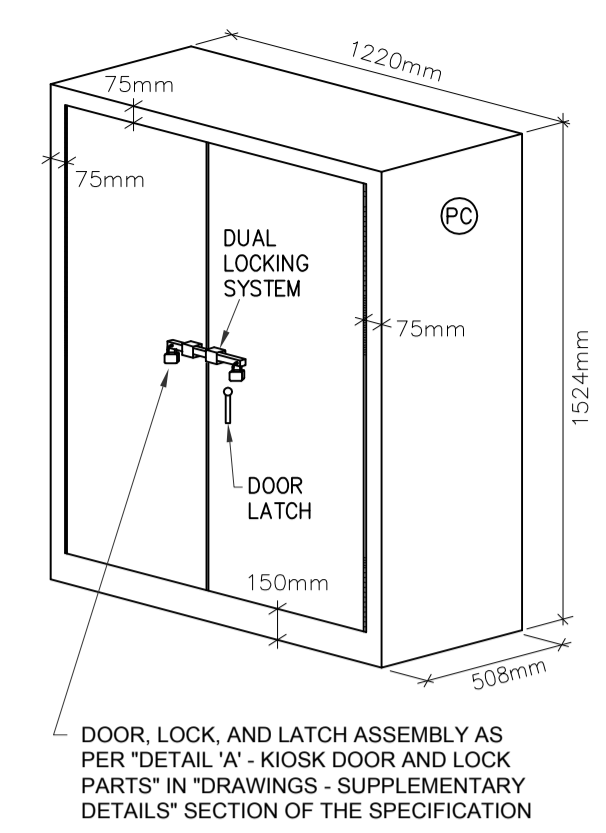
- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E14) WITH NEW KIOSK C/W NEW ELECTRICAL DISTRIBUTION AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E14). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE AND INSTALL 4x15A AND 2x50A/1P BREAKERS IN PANEL A TO FEED THE EXISTING LIGHTING CIRCUITS.



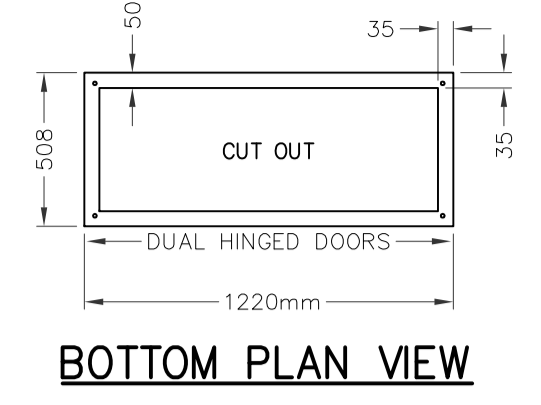
5 KIOSK #365 EXISTING SINGLE LINE DIAGRAM
E14 N.T.S.



6 KIOSK #365 NEW SINGLE LINE DIAGRAM
E14 N.T.S.



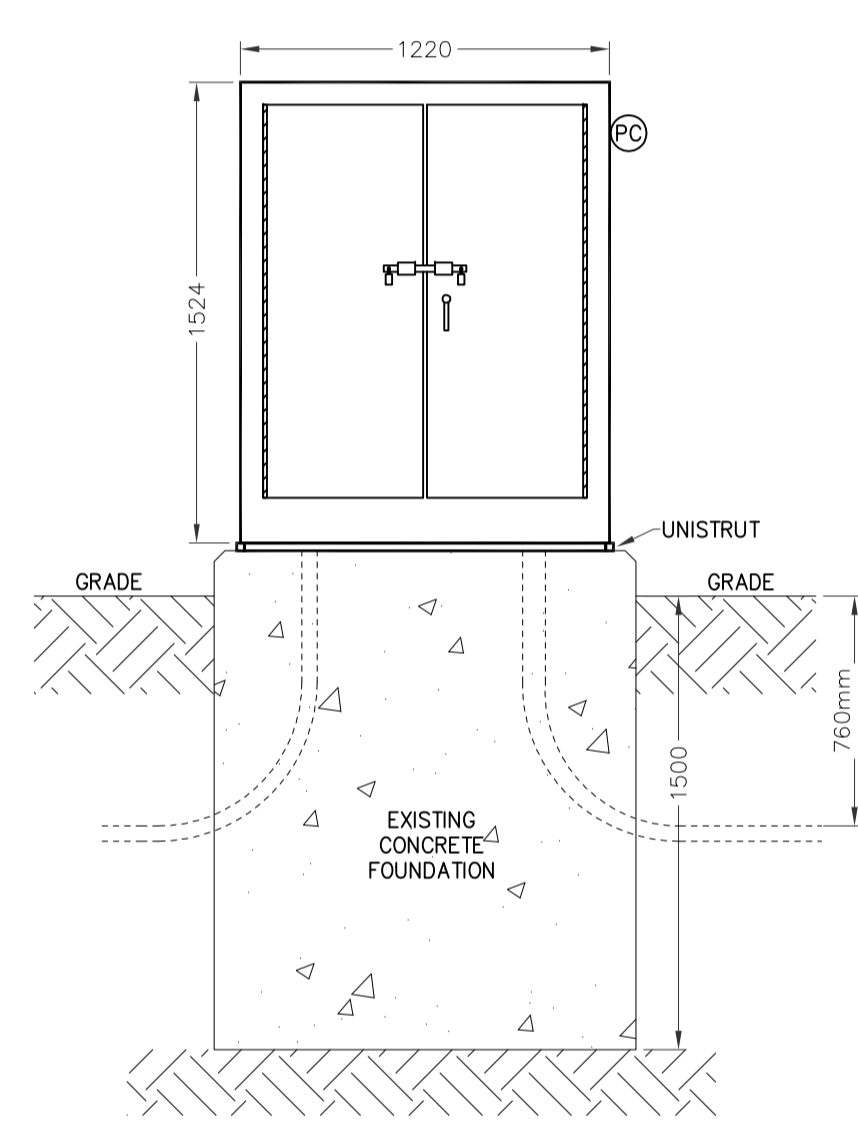
3D VIEW
(NOTE 2)



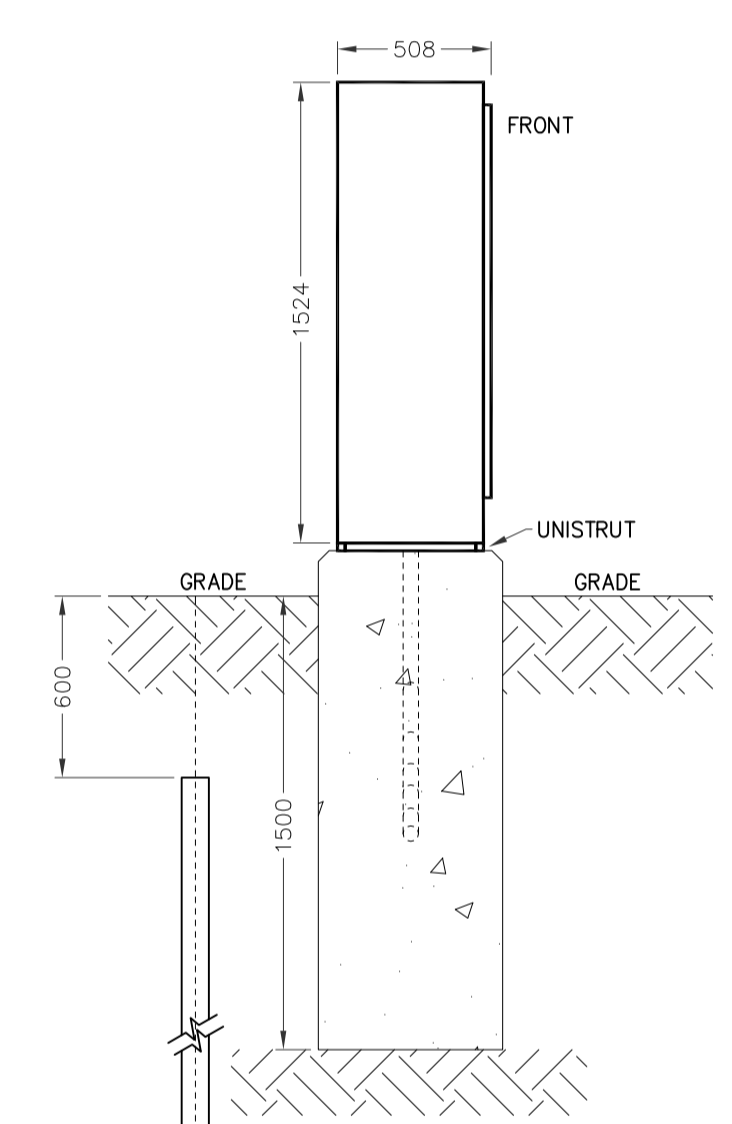
BOTTOM PLAN VIEW

- NOTE:**
- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMAGNEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSELL 9GY 1.5/2/6 GREEN OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE C/W COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PC) PHOTOCELL
 - MANUFACTURER BEL PRODUCTS OR APPROVED EQUIVALENT
 - INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT, ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

2 NEW OUTDOOR PEDESTAL MOUNTED KIOSK ENCLOSURE – CONSTRUCTION DETAIL
E14 N.T.S.



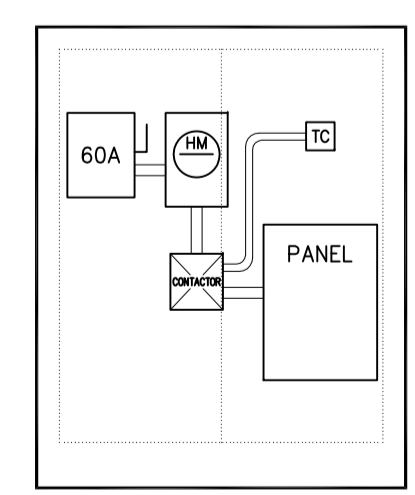
EXTERNAL FRONT FACE



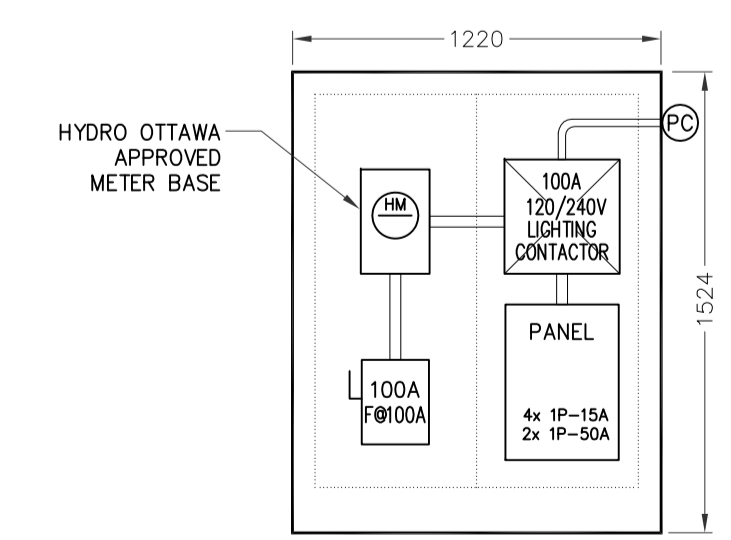
SIDE ELEVATION

- NOTE:**
- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

3 NEW KIOSK INSTALLATION DETAIL
E14 N.T.S.



EXISTING LAYOUT



NEW LAYOUT

4 INTERNAL LAYOUTS FOR KIOSK #365
E14 N.T.S.

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

project projet

ELECTRICAL KIOSK REPLACEMENT - CORE AREA -

drawing dessin

KIOSK #365 (Wellington near Lyon)

approved by / approuvé par James Huynh
designed by / conçu par D.G.
drawn by / dessiné par G.G.
date 2013-09-13 scale / échelle As Shown
NCC project no. / no. du projet de la CCN sheet no. / no. de la feuille DC4000-19 **E14**



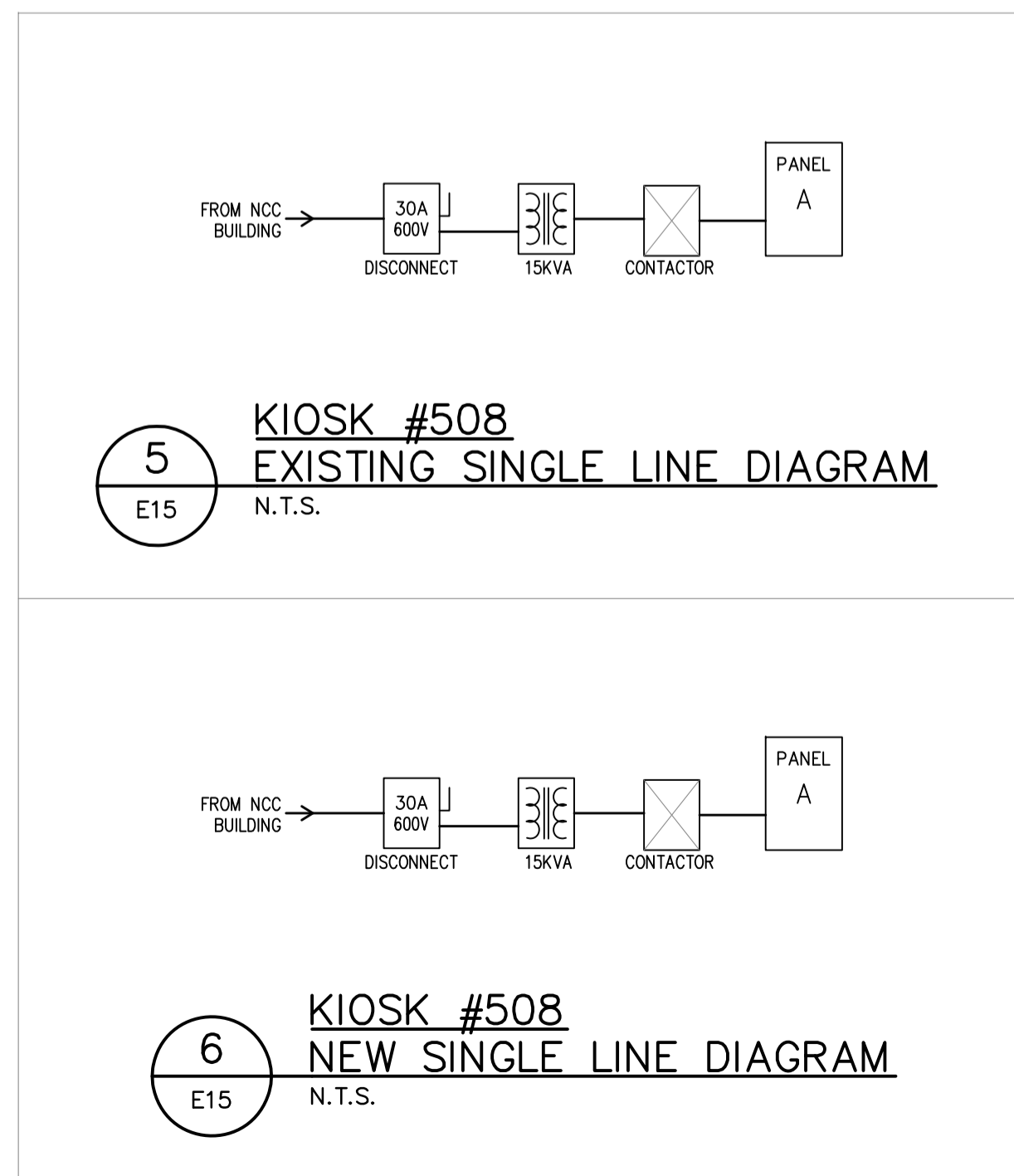
1
E15 LOCATION – KIOSK #508
N.T.S.

GENERAL NOTES:

- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO REMAIN IS SHOWN IN THIN SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO BE DEMOLISHED IS SHOWN IN THICK DASHED LINES.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

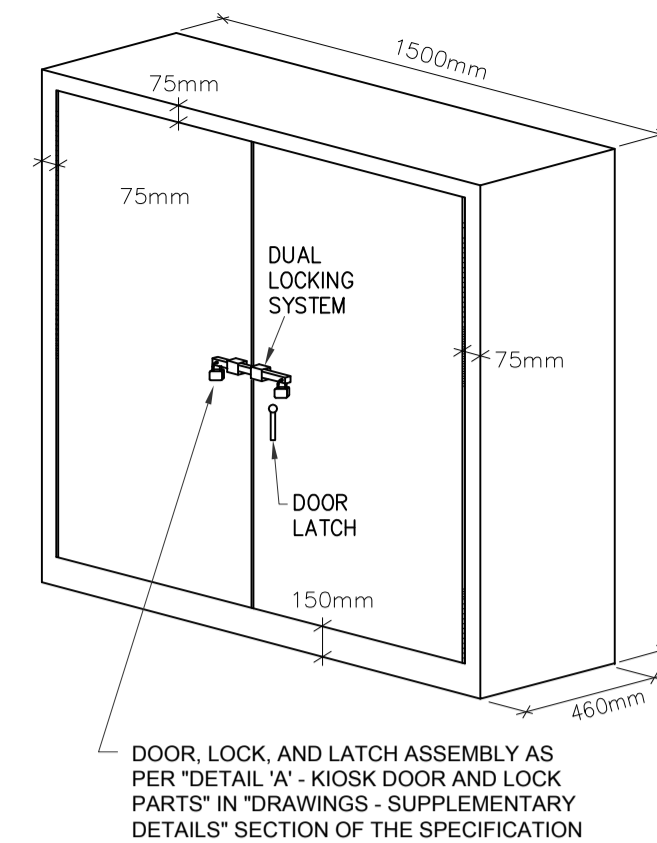
SPECIFIC NOTES:

- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E15) WITH NEW KIOSK AND REUSING THE EXISTING ELECTRICAL EQUIPMENT AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E15). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.
- CONTRACTOR TO PROVIDE NEW CONCRETE BASE FOR THE NEW KIOSK, ENSURING NOT TO DAMAGE THE EXISTING CONDUITS DURING EXCAVATION & POURING THE NEW BASE.

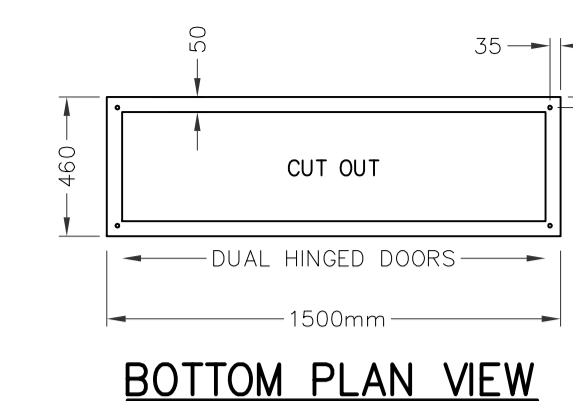


5
E15 KIOSK #508
EXISTING SINGLE LINE DIAGRAM
N.T.S.

6
E15 KIOSK #508
NEW SINGLE LINE DIAGRAM
N.T.S.



3D VIEW
(NOTE 2)

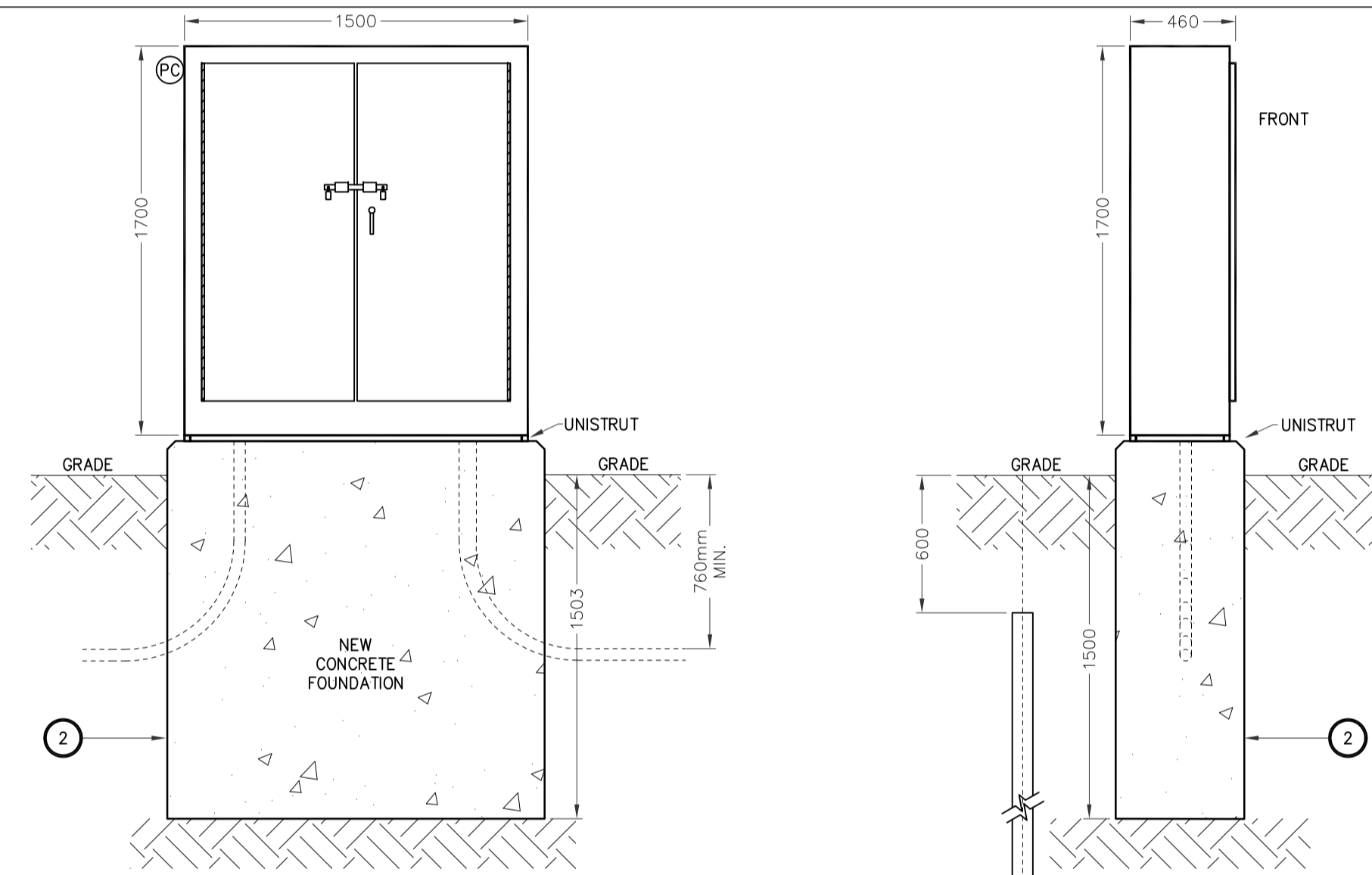


BOTTOM PLAN VIEW

NOTE:

- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMACNEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSELL 9GY 1.5/2/6 GREEN
 - OR APPROVED EQUIVALENT
 - REMOVABLE INNER PANEL (16 GAUGE C/W COLLAR STUD)
 - CUT-OUT AT BOTTOM AS PER BOTTOM VIEW
 - GROUND STUD IN CABINET AND BONDING STUDS ON DOORS
 - THREE POINT DOOR LATCH
 - (PO) PHOTOCELL
 - 1kW, 240V, FORCED AIR HEATER WITH INTEGRATED THERMOSTAT IN DRY TYPE TRANSFORMER SECTION OF KIOSK
 - MANUFACTURER: BEL PRODUCTS OR APPROVED EQUIVALENT
- INSTALL AND ANCHOR GALVANIZED STEEL UNISTRUT AROUND THE BASE OF THE KIOSK WITH A NEOPRENE GASKET, LEVEL AND ALIGN KIOSK BY SHIMMING UNISTRUT, ENSURE ACCESS DOORS ARE LEVEL AND ALIGNED, FILL UNEVEN NON-CONTACT AREAS TO THE EXISTING CONCRETE WITH GROUT, AND SEAL UNISTRUT ENDS WITH CLOSE CELL EXPANDING FOAM.

2
E15 NEW OUTDOOR PEDESTAL MOUNTED
KIOSK ENCLOSURE – CONSTRUCTION DETAIL
N.T.S.



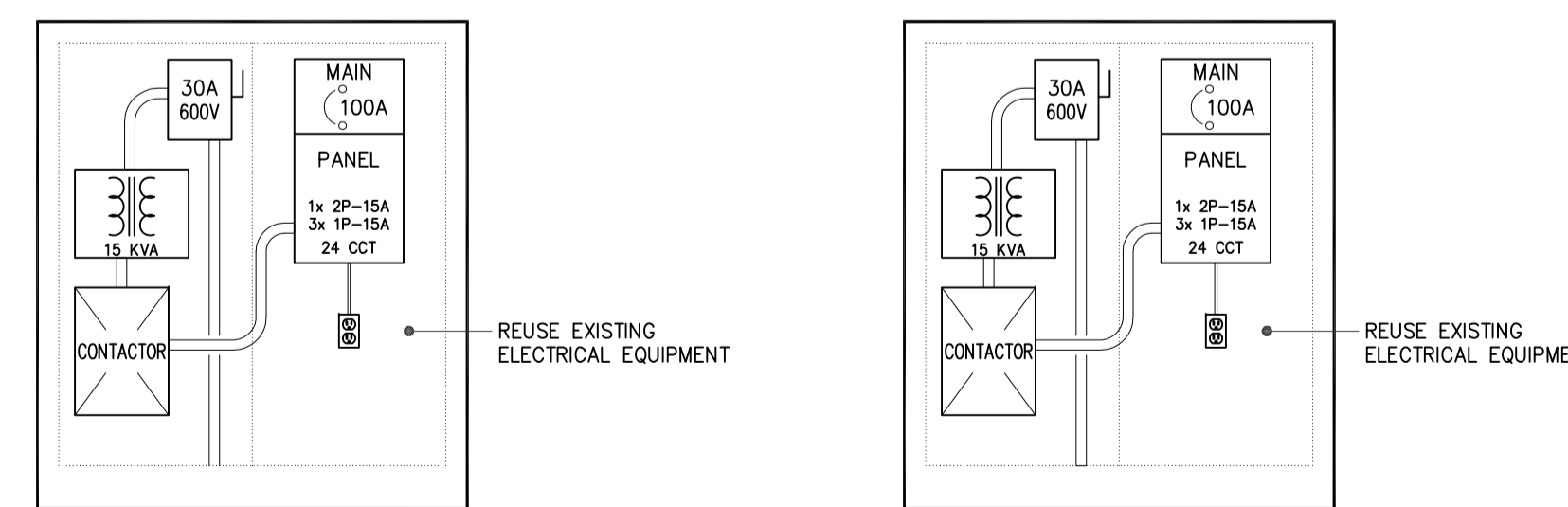
EXTERNAL FRONT FACE

SIDE ELEVATION

NOTE:

- CONTRACTOR TO PROVIDE NEW CONCRETE BASE FOR THE NEW KIOSK, ENSURING NOT TO DAMAGE THE EXISTING CONDUITS DURING EXCAVATION & POURING THE NEW BASE.
- NEW CONCRETE BASE FOUNDATION BUILT TO HYDRO-OTTAWA STANDARD MCS0035.

3
E15 NEW KIOSK INSTALLATION DETAIL
N.T.S.



EXISTING LAYOUT

NEW LAYOUT

4
E15 INTERNAL LAYOUTS FOR KIOSK #508
N.T.S.

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

project
projet

**ELECTRICAL KIOSK
REPLACEMENT
- CORE AREA -**

drawing
dessin

**KIOSK #508
(Tunney's Pasture)**

approved by
approuvé par James Huynh

designed by
conçu par D.G.

drawn by
dessiné par G.G.

date 2013-09-13 scale
échelle As Shown

NCC project no. sheet no.
no. du projet de la CCN no. de la feuille
DC4000-19 **E15**



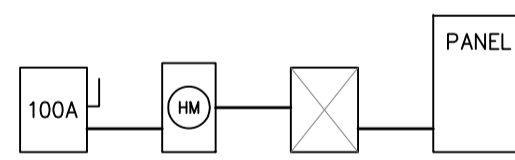
1
E16 LOCATION – KIOSK #509
N.T.S.

GENERAL NOTES:

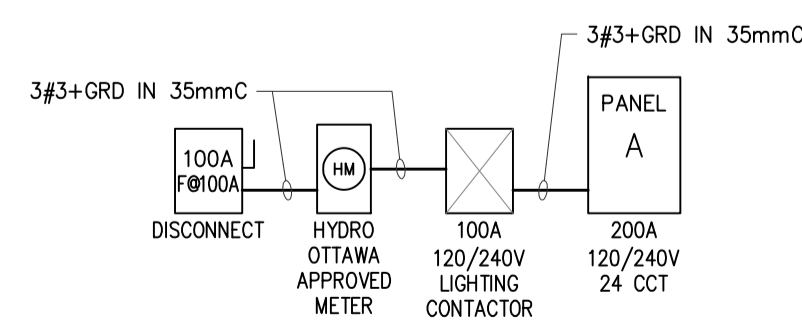
- EXCEPT AS NOTED OTHERWISE, ALL EXISTING EQUIPMENT TO REMAIN IS SHOWN IN THIN SOLID LINES.
- EXCEPT AS NOTED OTHERWISE, ALL NEW EQUIPMENT IS SHOWN IN THICK SOLID LINES.
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- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ON SITE THE EXISTING FEEDERS TO BE REMOVED, RELOCATED, AND EXTENDED.

SPECIFIC NOTES:

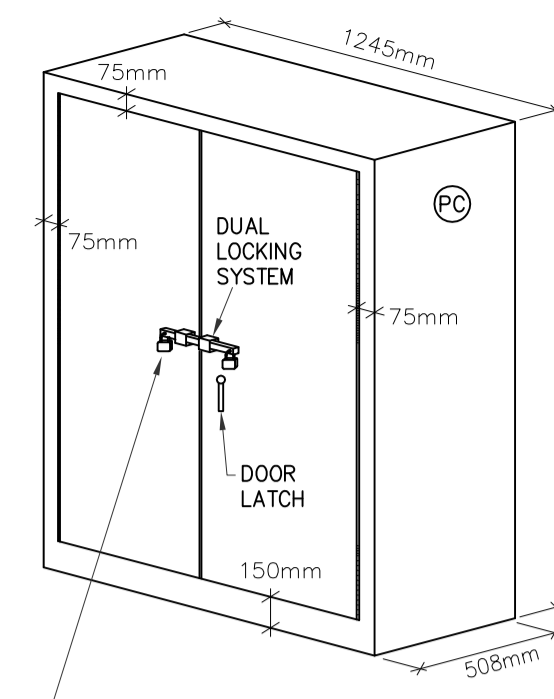
- CONTRACTOR TO REPLACE THE EXISTING KIOSK C/W THE ELECTRICAL DISTRIBUTION SHOWN IN DETAIL 4 "EXISTING LAYOUT" AND EXISTING SINGLE LINE (5/E16) WITH NEW KIOSK AND REUSING THE EXISTING ELECTRICAL EQUIPMENT AS SHOWN IN DETAIL 4 "NEW LAYOUT" AND NEW SINGLE LINE (6/E16). CONTRACTOR TO RECONNECT AND/OR EXTEND THE EXISTING WIRING CIRCUITS.



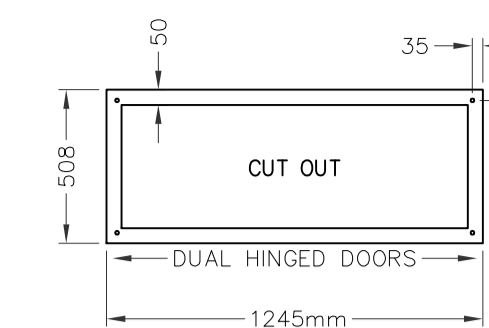
5
E16 KIOSK #509
EXISTING SINGLE LINE DIAGRAM
N.T.S.



6
E16 KIOSK #509
NEW SINGLE LINE DIAGRAM
N.T.S.



3D VIEW
(NOTE 2)

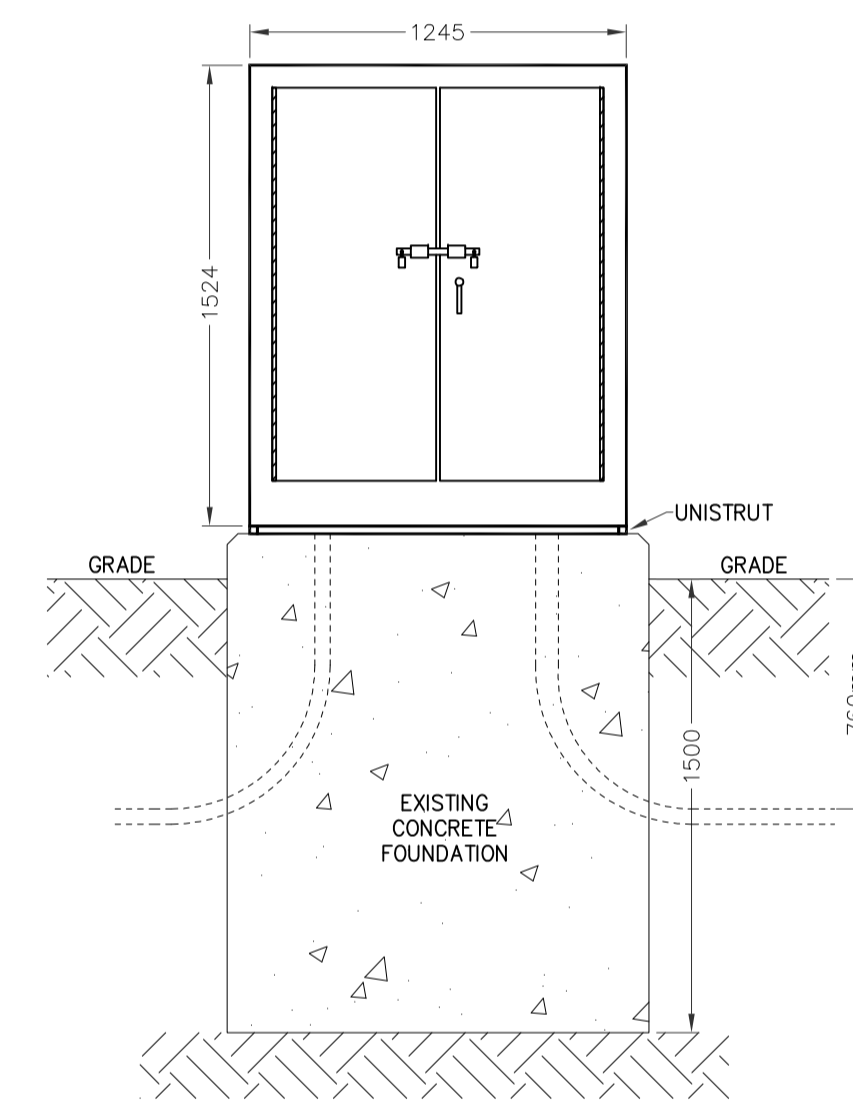


BOTTOM PLAN VIEW

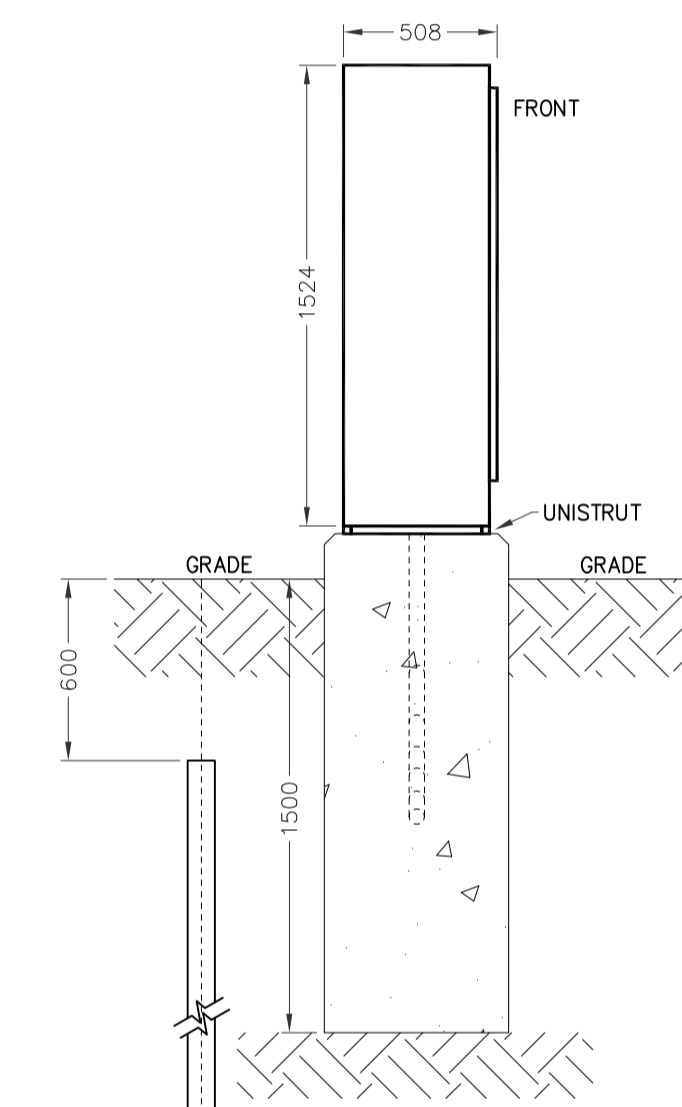
NOTE:

- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ELECTRICAL CABINETS MUST BE SUPPLIED COMPLETE WITH:
 - FORMED 12 GAUGE, 316 STAINLESS STEEL BODIES & DOORS
 - WEATHERPROOF DESIGN TO EEMAGNEMA 4
 - PIANO HINGED DOORS
 - SECURED LATCHING SYSTEM
 - DUAL LOCKING SYSTEM
 - SMOOTH CONTINUOUS WELDED SEAM CONSTRUCTION
 - FINISH TO BE POWDER COATED EPOXY, ANTI-GRAFFITI, COLOUR MUNSELL 9GY 1.5/2/6 GREEN OR APPROVED EQUIVALENT
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2
E16 NEW OUTDOOR PEDESTAL MOUNTED
KIOSK ENCLOSURE – CONSTRUCTION DETAIL
N.T.S.



EXTERNAL FRONT FACE



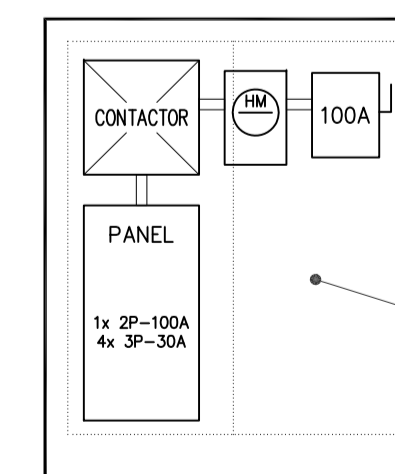
SIDE ELEVATION

NOTE:

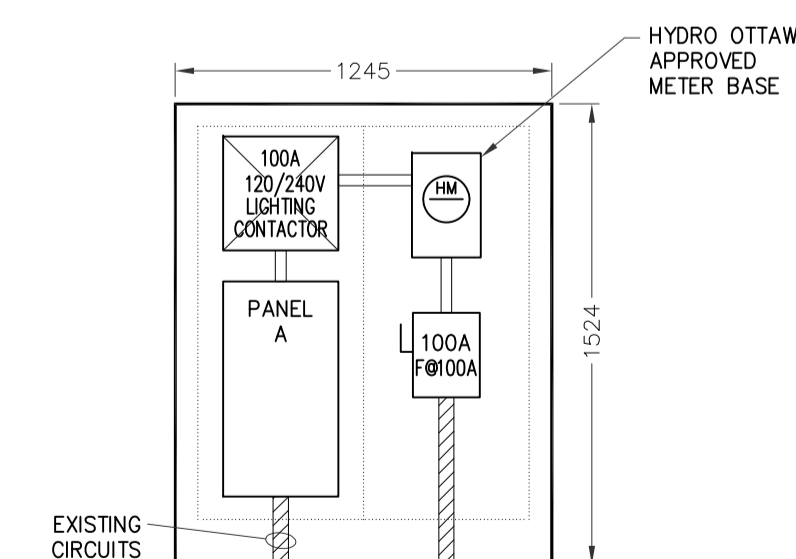
- ELECTRICAL CABINET TO BE MOUNTED ON EXISTING CONCRETE FOUNDATION.

CONTRACTOR TO CONFIRM EXISTING – 3-3000mm² COPPER CLAD STEEL GROUND RODS AND #1 BARE GROUND CONDUCTOR IN 27mm RIGID PVC CONDUIT. PROVIDE & INSTALL IF INCOMPLETE

3
E16 NEW KIOSK INSTALLATION DETAIL
N.T.S.



EXISTING LAYOUT



NEW LAYOUT

4
E16 INTERNAL LAYOUTS FOR KIOSK #509
N.T.S.

no.	description	date
2	ISSUED FOR TENDER	2013-12-02
1	ISSUED FOR 95% REVIEW	2013-10-23

project
projet

**ELECTRICAL KIOSK
REPLACEMENT
- CORE AREA -**

drawing
dessin

KIOSK #509

(81-135 Prince of Wales Dr.)

approved by
approuvé par James Huynh

designed by
conçu par D.G.

drawn by
dessiné par G.G.

date 2013-09-13 scale
échelle As Shown

NCC project no. sheet no.
no. du projet de la CCN no. de la feuille
DC4000-19 **E16**