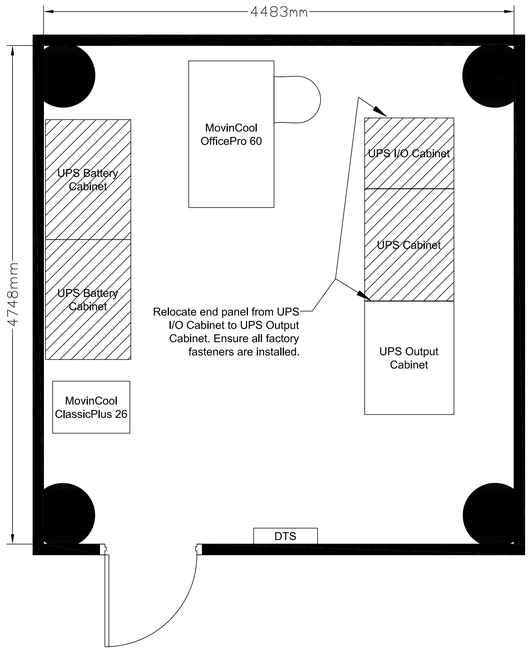
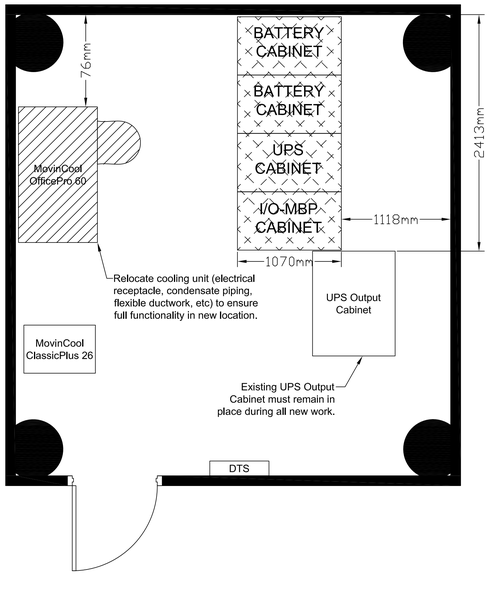


1 UPSRM UPS ROOM -DEMOLITION WORK

N.T.S.

Demolition General Notes:

1. disconnect, remove and dispose of existing UPS I/O Cabinet
2. disconnect, remove and dispose of existing UPS Cabinet
3. disconnect, remove and dispose of existing UPS Battery Cabinets
4. remove and dispose of all associated electrical infrastructure elements between UPS components
5. relocate end panel from UPS I/O cabinet to UPS Output Cabinet as shown
6. make good room, devices and services to receive new UPS system



2 UPSRM UPS ROOM -NEW WORK

N.T.S.

Supply and install a new UPS System
Must meet the following parameters:

1. must be able to be installed in the available space (2413mm wide x 1070mm deep x 2032mm high)
2. must fit within existing building openings (doorways, elevators, ramps, etc)
3. must provide a minimum of 71 minutes of runtime on battery at 26kW of load
4. must be modular and scalable in 10kW increments without any additional work
5. must have a modular and scalable battery cabinet system with individual battery trays
6. must be able to provide a minimum of 40kW of output with N+1 redundancy, up to a maximum of 100kW (or 90kW with N+1 redundancy)
7. must have 600VAC 3-phase input and 208VAC 3-phase output
8. must have built-in maintenance bypass system
9. must have built-in subfeed breaker that supports maximum UPS output capacity (208VAC 3-phase at 100kW)
10. must meet all design specifications for STATIC UNINTERRUPTIBLE POWER SUPPLY
11. must meet all local seismic and/or paraseismic installation requirements

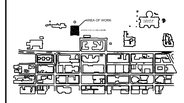
New Work General Notes:

A. supplier/installer must provide proof of a minimum of four prior projects similar in scope to this project with UPS units matching stated specifications , capacity and configuration.
B. supplier/installer must be a UPS manufacturer certified supplier/partner with minimum 5 years of proven certification.
C. connect new UPS using 600VAC 3-phase feeder removed from existing UPS, top feed only, extend as required.
D. connect output of new UPS using built-in UPS subfeed breaker to existing UPS Output Cabinet, top feed only.
E. size electrical output feeder to support full load of new UPS capacity (100kW)
F. all work must be completed during one single weekend, including all demolition work, installation, inspections and full commissioning by manufacturer for the new UPS system. Refer to project schedule for work dates.

Canada

Public Works and Government Services Canada | Travaux publics et services gouvernementaux Canada
BRANCH | DIR_GEN

consultant | consultant



KEY PLAN
N.T.S.

Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.
L'entrepreneur doit vérifier toutes les dimensions et conditions sur le site et aviser immédiatement le représentant du ministère de toute divergence.

REV8	UPDATE	19NOV19
REV7	TENDER ISSUE 2	31OCT19
REV6	TENDER ISSUE	21OCT19
REV5	TENDER	15FEB19
REV4	FINAL	15JAN19
REV3	99%	07JAN19
REV2	66%	20DEC18
REV1	REV1	18DEC18
revisions	description	date

A detail no. no. du detail
B location drawing no. sur dessin no.
C drawing no. dessin no.

project | projet

SUPREME COURT OF CANADA

301 WELLINGTON ST
OTTAWA, ONTARIO

drawing | dessin

SCC BASEMENT UPS ROOM
UPS REFIT

Designed By	M. FORTIER	Conçu par
Date	2018 12 18	(yyyy/mm/dd)
Drawn By	M. FORTIER	Dessiné par
Date	2018 12 18	(yyyy/mm/dd)
Reviewed By	ROBERT GODBOUT, ing., P.Eng.	Examiné par
Date		(yyyy/mm/dd)
Approved By		Approuvé par
Date		(yyyy/mm/dd)
Tender		Soumission
Project Manager		Administrateur de projets
Project no.		No. du projet

SCCUPS

Drawing no. | No. du dessin

UPSRM

PWGSC A0+150mm (1339x841)

C

0 10 20mm 40 60 80 100 120 140 160 180 200mm