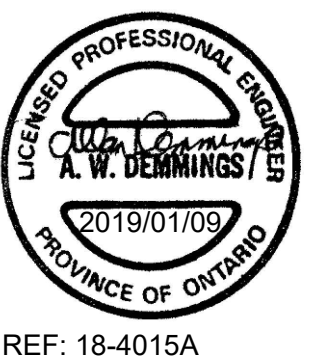


1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ISSUES/PROBLEMS WHICH MAY OCCUR AS A RESULT OF A FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY.
2. DO NOT SCALE DRAWINGS. REFER ANY DIMENSIONAL CLARIFICATIONS AND/OR POSSIBLE TRADE INTERFERENCE/CONFLICTS TO DEPARTMENT REPRESENTATIVE FOR CLARIFICATION PRIOR TO COMMENCEMENT OF THE WORK.
3. THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON DRAWING. AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NORTH



REF: 18-4015A

Contractor to verify all dimensions & conditions on site and immediately notify department representative of all discrepancies.

4	ISSUED FOR TENDER	2019/01/09
3	RE-ISSUED FOR 100% REVIEW	2018/12/14
2	ISSUED FOR 100% REVIEW	2018/12/05
1	ISSUED FOR 99% REVIEW	2018/11/26
0	ISSUED FOR 66% REVIEW	2018/10/17

révisions	description	date
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A	A detail no. n° du détail	A
C	B location drawing no. n° de dessin d'emplacement	B
	C drawing no. n° du dessin	C

project project

## JUSTICE BUILDING ELECTRICAL WORK 2018

284 Wellington St., Ottawa (Ontario)

drawing dessin

## ELECTRICAL BASEMENT & SLD DEMOLITION WORK

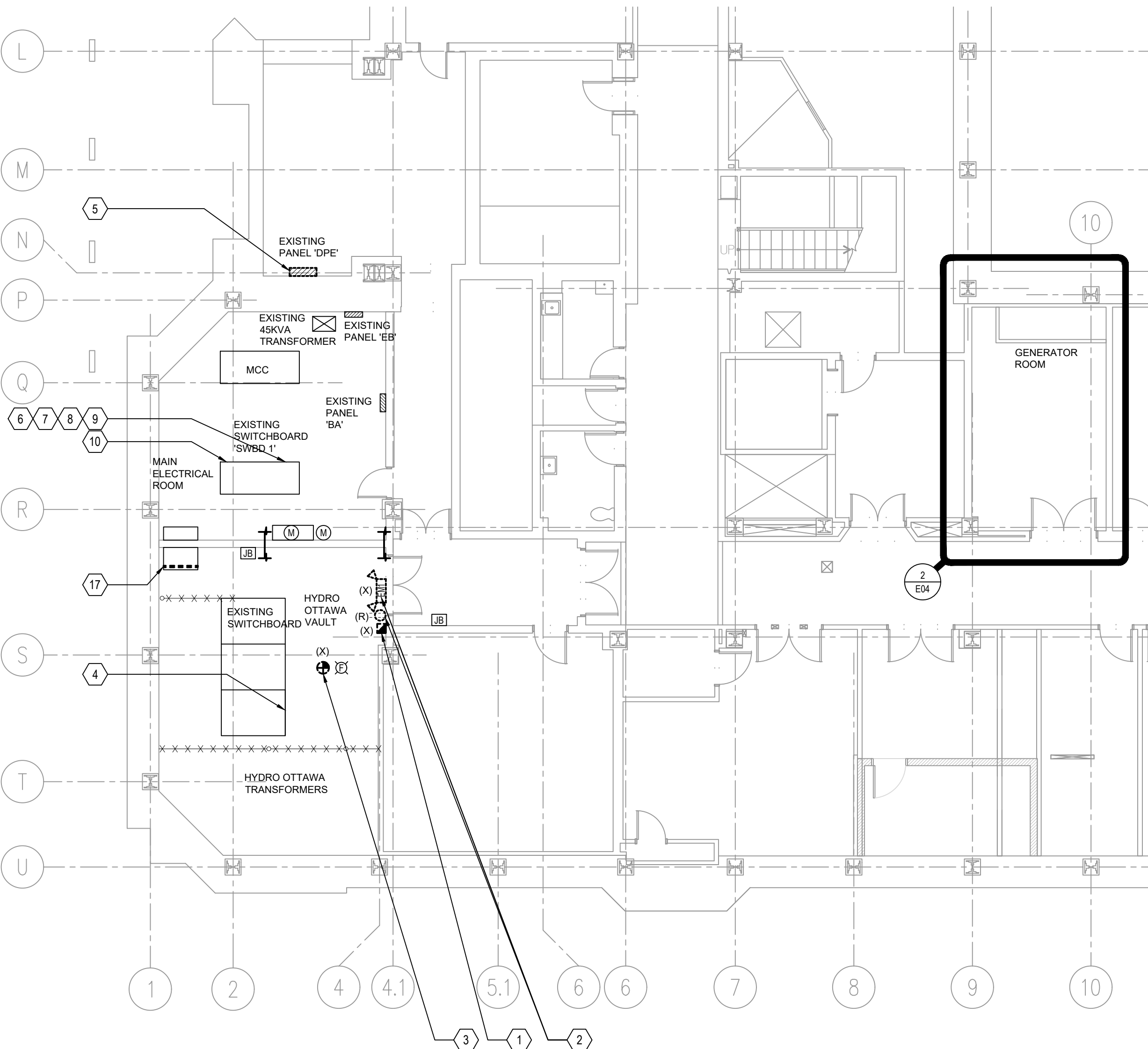
Designed By	A. Demmings	Conçu par	
Date	November 2018	(yyyy/mm/dd)	
Drawn By	E. Yeh	Dessiné par	
Date	November 2018	(yyyy/mm/dd)	
Reviewed By	S. Larocque	Examiné par	
Date	November 2018	(yyyy/mm/dd)	
Approved By	...	Approuvé par	
Date	...	(yyyy/mm/dd)	
Tender	Chestney Grant	Soumission	
Project Manager	Administrateur de projet		
Project no.	n° de projet		

Drawing no. n° du dessin

E04

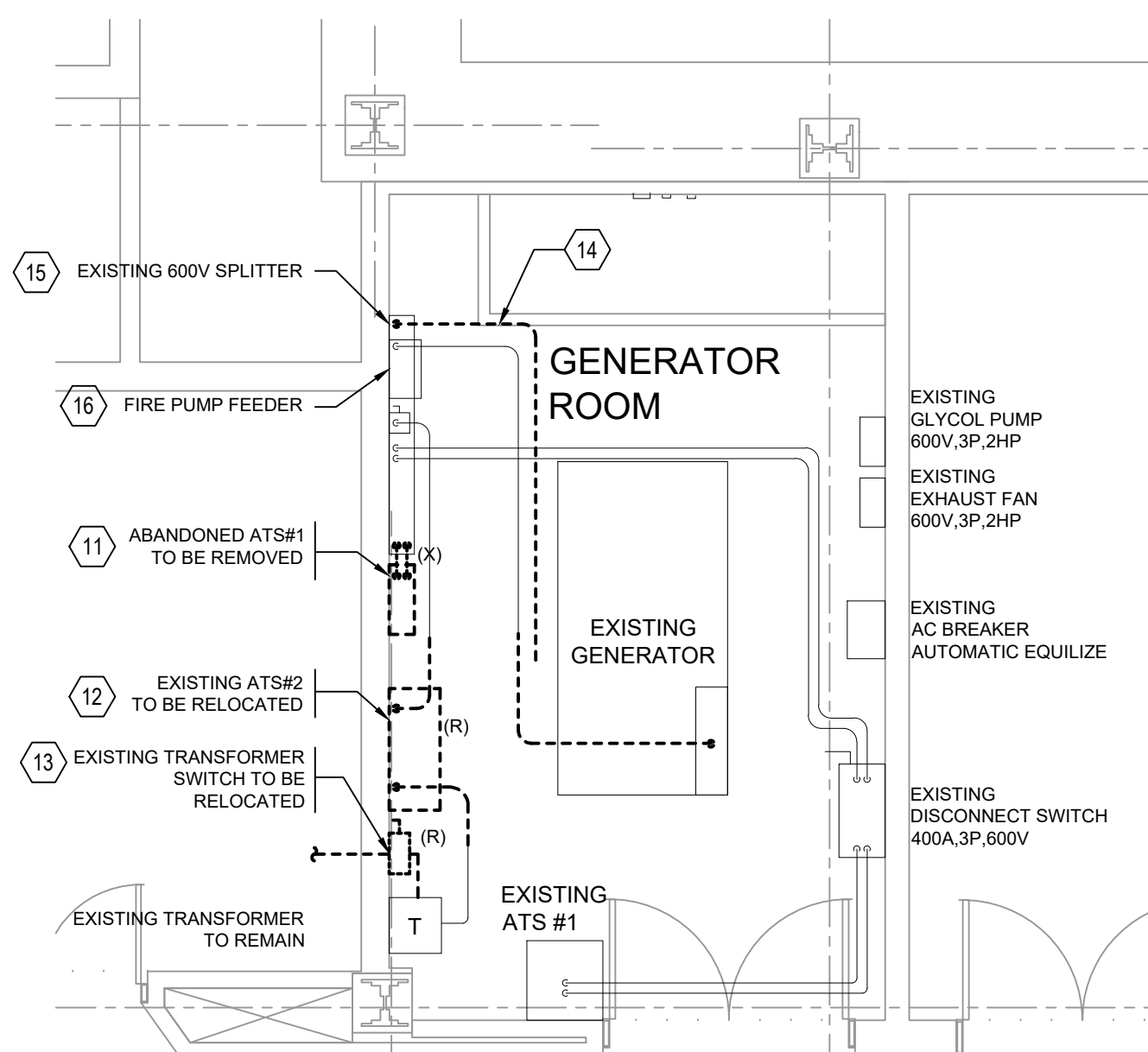
### DEMOLITION & CONSTRUCTION NOTES

- 1 DISCONNECT AND REMOVE EXISTING FIRE ALARM PULL STATION.
- 2 DISCONNECT AND SAFELY DISPOSE OF EXISTING EMERGENCY BATTERY UNIT FROM HYDRO VAULT. RELOCATE DUPLEX RECEPTACLE TO CORRIDOR ABOVE VAULT DOORS.
- 3 DISCONNECT AND REMOVE EXISTING FIRE ALARM SMOKE DETECTOR.
- 4 DISCONNECT AND REMOVE EXISTING MCAG RELAY LOCATED IN SWITCHGEAR, AND PROVIDE NEW MCAG RELAY IN SWITCHBOARD AND RECONNECT. MODIFY FRONT PANEL (IF REQUIRED) TO MOUNT RELAY ENCLOSURE. EXISTING RELAY IS GEC MEASUREMENTS #MCAG12BIDE006A INSTANTANEOUS OVER-CURRENT TYPE.  
TAP RANGE: 1-5-8  
TAP SETTING: 5.25  
PICK-UP SETTING: 4.9  
DROP-OUT SETTING: 3.4  
CT RATIO: 100:5  
DESIGNATION: GROUND
- 5 DISCONNECT AND REMOVE EXISTING INTERIOR OF PANEL 'DPE' AND RETAIN TUB, 150A AND 300A (RATED FOR 22kVAC) BREAKERS.
- 6 DISCONNECT AND REMOVE DEFECTIVE EXISTING SIEMENS CED6, 125A, 3-POLE (100A TRIP SETTING) 100KAIC BREAKER FEEDING PANEL 'L2', LOCATED IN SWITCHBOARD SWB#1 AND REPLACE WITH NEW BREAKER OF SAME RATINGS.
- 7 DISCONNECT AND REMOVE DEFECTIVE EXISTING SIEMENS CED6, 125A, 3-POLE (125A TRIP SETTING) 100KAIC BREAKER FEEDING TRANSFORMER 'TXDP-1' AND PANEL 'DP1', LOCATED IN SWITCHBOARD SWB#1 AND REPLACE WITH NEW BREAKER WITH SAME RATINGS.
- 8 DISCONNECT AND REMOVE DEFECTIVE EXISTING SIEMENS CED6, 200A, 3-POLE (175A TRIP SETTING) 100KAIC BREAKER FEEDING TRANSFORMER 'TXDP-3' AND PANEL 'DP3', LOCATED IN SWITCHBOARD SWB#1 AND REPLACE WITH NEW BREAKER WITH SAME RATINGS.
- 9 DISCONNECT AND REMOVE DEFECTIVE EXISTING SIEMENS CED6, 200A, 3-POLE (200A TRIP SETTING) 100KAIC BREAKER FEEDING MCC2, LOCATED IN SWITCHBOARD SWB#1 AND REPLACE WITH NEW BREAKER WITH SAME RATINGS.
- 10 TEMPORARILY DISCONNECT EXISTING SPD (SURGE PROTECTIVE DEVICE) AND RE-INSTALL ON EXTERIOR OF SWITCHBOARD. PROVIDE CHASE NIPPLE BETWEEN SPD AND SWITCHBOARD AND ELECTRICALLY CONNECT. LEADS SHALL BE MINIMUM POSSIBLE LENGTH AS PER MANUFACTURERS RECOMMENDED INSTALLATION INSTRUCTIONS.
- 11 DISCONNECT AND REMOVE ABANDONED ATS#1 UNIT COMPLETE WITH ASSOCIATED CONDUIT AND WIRING.
- 12 EXISTING 70A-3P ATS #2 UNIT. DISCONNECT, RELOCATE, AND RECONNECT TO FACILITATE THE INSTALLATION OF NEW 400A EMERGENCY SWITCHBOARD. PROVIDE NEW FEEDERS AS REQUIRED.
- 13 EXISTING 60A-3P TRANSFORMER DISCONNECT SWITCH. DISCONNECT, RELOCATE, AND RECONNECT TO FACILITATE THE INSTALLATION OF NEW 400A EMERGENCY SWITCHBOARD. PROVIDE NEW FEEDERS AS REQUIRED.
- 14 EXISTING 400A MI CABLE. DISCONNECT AT SPLITTER AND RECONNECT TO NEW 400A EMERGENCY SWITCHBOARD. CUT AND TERMINATE MI CABLE TO SUIT NEW 400A EMERGENCY SWITCHBOARD LOCATION.
- 15 EXISTING 400A 347/600V 3Ø-4W SPLITTER TO REMAIN. DISCONNECT MI FEEDER CABLE FROM THE GENERATOR. PROVIDE TWO RUNS OF 3Ø MI CABLES FROM NEW 400A EMERGENCY SWITCHBOARD BREAKER B3 AND RECONNECT EXISTING SPLITTER.
- 16 EXISTING FIRE PUMP BREAKER AND FEEDER TO BE DISCONNECTED FROM GENERATOR BUS AND REROUTED AND RECONNECTED TO NEW 400A EMERGENCY SWITCHBOARD BUS AS SHOWN.
- 17 REMOVE FILTER FROM INSIDE VAULT. THIS IS TO PLACE THE AIR FILTER IN A MORE ACCESSIBLE SPACE.



1 E04 ELECTRICAL - BASEMENT DEMOLITION WORK  
SCALE: 1:100

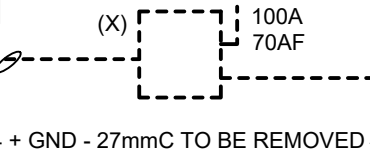
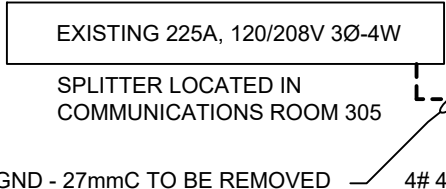
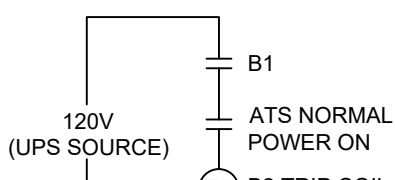
SCALE 1:100



2 E04 GENERATOR ROOM DEMOLITION WORK  
SCALE: 1:50

SCALE 1:50

### TRIP COIL CONTROL DIAGRAM



3 E04 PARTIAL EMERGENCY SINGLE LINE DIAGRAM DEMOLITION WORK  
SCALE: N.T.S.