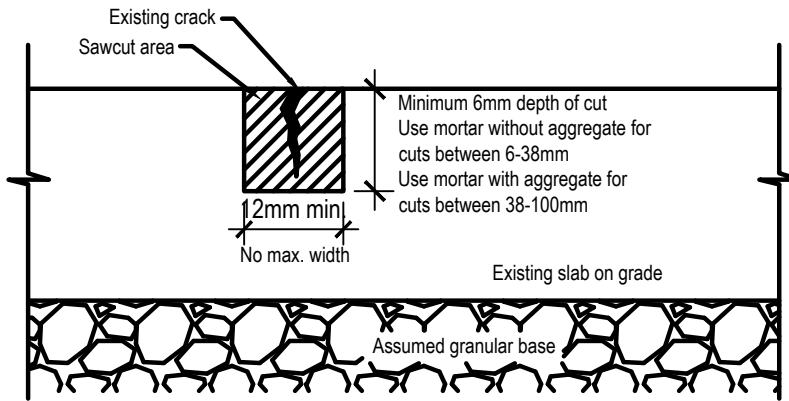


- REPAIR BY INJECTION:**
- IF NEEDED, MECHANICALLY OPEN CRACKS IF THEY ARE TOO THIN. CRACKS CAN BE OPENED UP TO 6mm WIDE.
 - CLEAN ALL SURFACES OF DEBRIS, DUST, GREASE, LAITANCE, OR OTHER FOREIGN MATTER. IF THE REPAIR ZONE SHOWS LOOSE OR DETERIORATED CONCRETE, REMOVE DEFICIENT PARTS UP TO SOUND CONCRETE.
 - SET APPROPRIATE INJECTION PORTS BASED ON THE SYSTEM USED. SEAL PORTS & CRACKS WITH SIKADUR 31 HI-MOD GEL, SIKADUR 33, OR EQUIVALENT.
 - WHEN THE EPOXY ADHESIVE SEAL HAS CURED, INJECT SIKADUR 35 HI-MOD LV OR EQUIVALENT WITH STEADY PRESSURE.
 - REMOVE INJECTORS AND CLEAR ALL EXTRA RESIN.
 - IF NEEDED, BLOCK INJECTOR HOLE WITH FAST SET "SIKASET PLUG" OR EQUIVALENT.
 - FOR THE APPLICATION OF ALL PRODUCTS, FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER.
- IF THE CRACK IS TOO THIN OR SHALLOW FOR INJECTION, FOLLOW SURFACE REPAIR PROCEDURE AS FOLLOWS:
- SURFACE REPAIR PROCEDURE:**
- DETERMINE THE EXTENT OF THE SLAB SURFACE TO REPAIR. CLEAN ALL SURFACES OF DEBRIS, DUST, GREASE, LAITANCE, OR OTHER FOREIGN MATTER. REMOVE ALL DETERIORATED OR LOOSE CONCRETE UP TO SOUND CONCRETE.
 - SAW CUT PERIMETER OF REPAIR ZONE FOLLOWING THE DIAGRAM BELOW.
 - WET THE SURFACE OF THE CONCRETE FOR AT LEAST 2 HOURS. REMOVE STANDING WATER TO OBTAIN A DAMP SATURATED SUBSTRATE.
 - APPLY BONDING AGENT: SIKATOP ARMATEC 110 EPOCEM OR EQUIVALENT IN A LAYER APPROXIMATELY 0.5MM THICK. BONDING AGENT MUST BE SCRUBBED INTO SUBSTRATE FILLING ALL HOLES AND PORES.
 - APPLY POLYMER MORTAR SIKATOP 122 PLUS OR EQUIVALENT IMMEDIATELY, OR WITHIN 8 HOURS OF THE BONDING AGENT APPLICATION. FORCE PRODUCT AGAINST EDGE OF REPAIR WORKING TO AVOID CENTER.
 - CONCRETE CURING IS TO BE AIDED WITH WET BURLAP, WHITE POLYETHYLENE TARP, OR SIKA FLOORSEAL WB-18 (INTERIOR), WB-25 (EXTERIOR), OR EQUIVALENT.
 - FOR THE APPLICATION OF ALL PRODUCTS, FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER.



1 SURFACE REPAIR DETAIL
E01 SCALE: N.T.S.

DRAWING LIST	
DRAWING	DESCRIPTION
E01	ELECTRICAL LEGENDS, & DRAWING LIST
E02	ELECTRICAL BASEMENT & SLD NEW WORK
E03	ELECTRICAL GROUND FLOOR & LOADING DOCK NEW WORK
E04	ELECTRICAL BASEMENT & SLD DEMOLITION WORK

ELECTRICAL LEGEND - NOTATION	
SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
C/W	COMPLETE WITH
GND	GROUND
WP	WEATHER-PROOF
(E)	EXISTING ITEM INDICATED TO REMAIN.
(EC)	EXISTING ITEM INDICATED TO REMAIN. RE-WIRE TO ACCOMMODATE CIRCUITS/SWITCHING SHOWN. DISCONNECT EXISTING ITEM INDICATED AND MAKE SAFE.
(N)	INDICATES NEW DEVICE
(R)	DISCONNECT AND REINSTALL EXISTING ITEM TO ACCOMMODATE NEW CONSTRUCTION
(RL)	RELOCATE ITEM AS INDICATED. REFER TO DEMOLITION AND NEW WORK PLANS.
(X)	DISCONNECT AND DISPOSE OF ITEM. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE AND MAKE SAFE.

SYMBOLS LEGEND	
	HIGH VOLTAGE CABLE POTHEAD
	HIGH VOLTAGE CABLE STRESS CONE
	LOW VOLTAGE CABLE CONNECTION
	LOAD BREAK SWITCH
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	DISTRIBUTION TRANSFORMER
	DIGITAL METERING SYSTEM
	FUSE
	MOULDED CASE CIRCUIT BREAKER - FIXED
	- KIRK KEY - BOLT RETRACTED KEY CAPTURED
	- BOLT EXTENDED - KEY REMOVED
	GROUND CONNECTIONS
	DISCONNECT SWITCH
	THREE PHASE MOTOR
	GENERATOR
	SURFACE MOUNTED PANEL
	JUNCTION BOX
	HYDRO METER
	EMERGENCY BATTERY UNIT C/W DOUBLE REMOTE HEADS AND OUTLET
	WALL MOUNTED DOUBLE REMOTE HEADS
	FIRE ALARM ASPIRATION TYPE SMOKE DETECTOR COMPLETE WITH DETECTION TUBING
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM PULL STATION
	FIRE ALARM SPEAKER
	AUTOMATIC TRANSFER SWITCH
PROVIDE	SUPPLY, INSTALL AND CONNECT
	EXISTING EQUIPMENT TO REMAIN
	EXISTING EQUIPMENT TO BE REMOVED
	NEW EQUIPMENT
	CONTROL WIRING

EMERGENCY LIGHTING SCHEDULE		
TYPE	DESCRIPTION	REMARKS
	EMERGENCY BATTERY PACK C/W TWO INTEGRAL LED HEADS	120VAC INPUT, 12VDC OUTPUT, 60W LONG LIFE MAINTENANCE FREE SEALED LEAD ACID BATTERY WALL MOUNTED RUGGED STEEL ENCLOSURE WITH WHITE POWDER COAT FINISH C/W TWO 7W LED MR16 LAMPS, AUTO TEST SELF-DIAGNOSTIC, FULLY AUTOMATIC, CURRENT LIMITED CHARGER, 120VC LINE CORD.
	REMOTE DOUBLE HEAD	CAST METAL HOUSING WITH WHITE POWDERCOAT FINISH C/W SURFACE MOUNTING STANDARD CANOPY AND 12V MR16 STYLE 7W LED LAMPS.

Publics Works and
Government Services
Canada

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Services gouvernementaux
Canada

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

project

JUSTICE BUILDING
ELECTRICAL WORK 2018

284 Wellington St., Ottawa (Ontario)

drawing

dessin

ELECTRICAL LEGENDS
& DRAWING LIST

Designed By
A. Demmings
November 2018

Conçu par
November 2018
(yyyy/mm/dd)

Drawn By
E. Yeh
November 2018

Dessiné par
November 2018
(yyyy/mm/dd)

Reviewed By
S. Larocque
November 2018

Examiné par
November 2018
(yyyy/mm/dd)

Approved By
...
Date
...

Approuvé par
...
(yyyy/mm/dd)

Tender
Chestney Grant

Soumission

Project Manager
Project no.

Administrateur de projet
n° de projet

Drawing no.

n° du dessin

E01