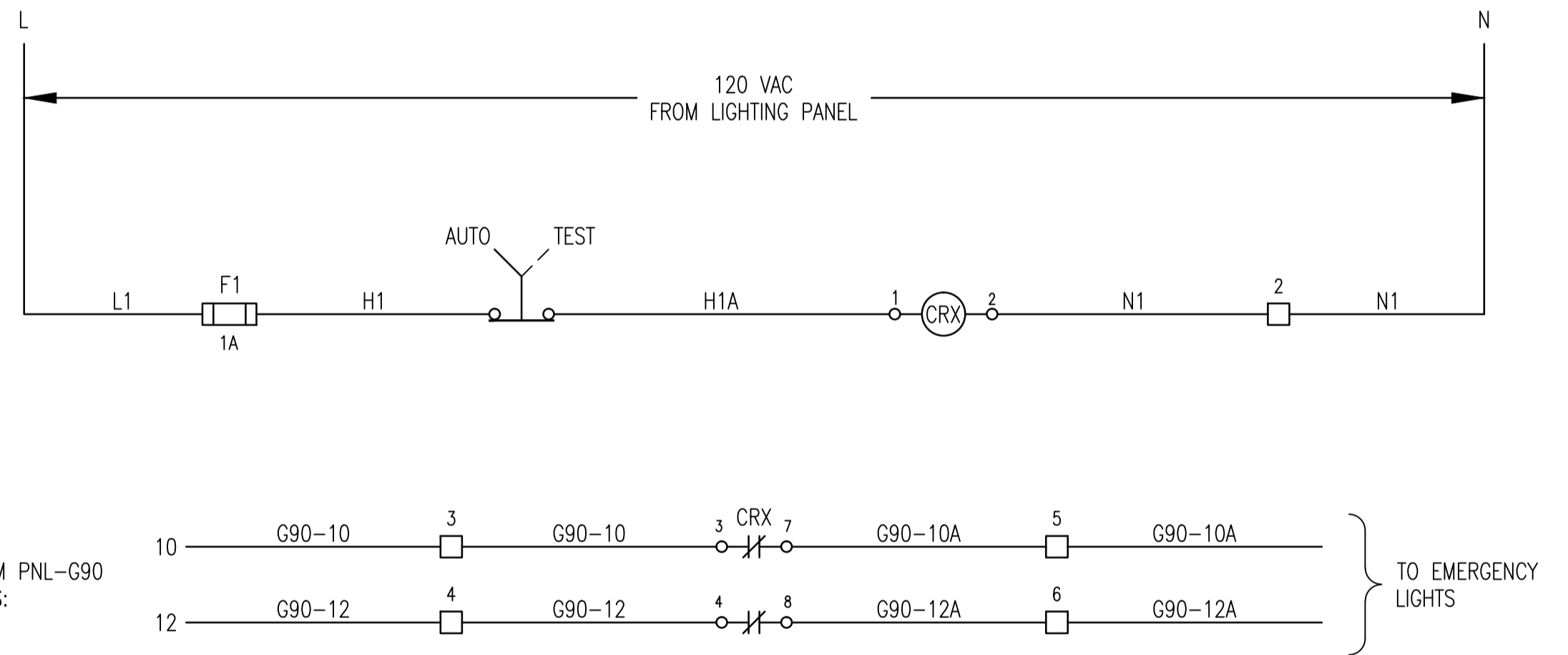


PARTIAL SINGLE LINE DIAGRAM

PANEL ID: PNL-G90		AMPS: 225A	VOLTS: 125V DC	PHASE: -	WIRE: 2	SURF. MOUNT: <input checked="" type="checkbox"/> FLUSH MOUNT: <input type="checkbox"/>	TOP FED: <input checked="" type="checkbox"/> BOT. FED: <input type="checkbox"/>								
DESCRIPTION: 125 VDC BATTERY BANK DISTRIBUTION				LOCATION: GRIT BUILDING MAIN ELECTRICAL ROOM											
MFG / MODEL:				INTERRUPTING RATING: 10 kA											
MAIN BREAKER: 225A, 250V DC, 10kA				INST. SETTINGS: N/A											
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD CONT. (A)	LOAD MOM. (A)	P	N	LOAD MOM. (A)	LOAD CONT. (A)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.
1	MAIN SWITCHGEAR CONTROLS (4160V)			15	0.7	75.7			15.4	0.4	15			UV SWITCHGEAR 52-F7, 52U1 & 52TU1 (4160V)	2
3															4
5	BREAKER TEST PANEL			15	0.0	15			30.8	0.8	15			SECONDARY CALTRIFIER BLOWER BUILDING	6
7															8
9	TRANSFORMER ALARM CIRCUITS			15	0.4	0.4			3.4	3.4	15			ELECTRICAL ROOM EMERGENCY LIGHTS	10
11															12
13	SPARE			15							15			SPARE	14
15															16
17	SPACE													SPACE	18
19															20
21	SPACE													SPACE	22
23															24
25	SPACE													SPACE	26
27															28
29	SPACE													SPACE	30
31															32
33	SPACE													SPACE	34
35															36
37	SPACE													SPACE	38
39															40
41															42
TOTAL CONNECTED LOAD:															
CONTINUOUS: 5.7 A															
MOMENTARY: 84.0 A															
NOTES:															
1. COPPER BUSBAR.															



EMERGENCY LIGHTING SCHEMATIC

LEGEND	
<input type="checkbox"/>	EMERGENCY LIGHTING TEST ENCLOSURE (JBP-G90) TERMINAL

**CONSTRUCTION NOTES**

1. REPLACE EXISTING BREAKER WITH 25kA RATED BREAKER.

WORK BY CITY



DESIGNED BY: N. BRADDO	CHECKED BY: C. REIMER
DRAWN BY: S. FUNK	APPROVED BY: C. REIMER
SCALE: NTS	RELEASED FOR CONSTRUCTION BY:
DATE: 2011/08-12	DATE:
CONSULTANT NO.: 507731-0000-47DD-0005	

**SNC-LAVALIN INC.**  
148 Nature Park Way  
Winnipeg, MB, Canada R3P 0X7  
204-788-8080

ENGINEER'S SEAL

**PRELIMINARY**  
NOT TO BE USED FOR CONSTRUCTION

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

NORTH END WATER POLLUTION CONTROL CENTRE  
DC POWER SUPPLY REPLACEMENT  
SINGLE LINE DIAGRAM & PANEL SCHEDULE  
125 VDC BATTERY BANK

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0101G-E0005	001	00	A1

NEP-1734	MCC-2G SCHEDULE
1-0101G-E0002	GRIT 4160V SINGLE LINE DIAGRAM
SK-001	GRIT BUILDING - MAIN ELECTRICAL ROOM PLAN
DRAWING NUMBER	REFERENCE DRAWINGS