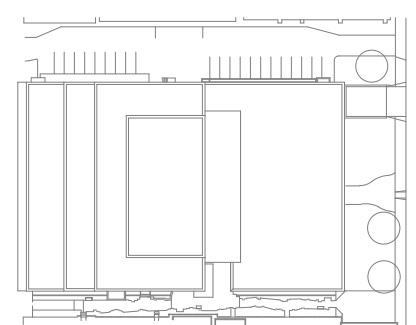


NORR

NORR Architects & Engineers Limited
An Ingenium Group Company

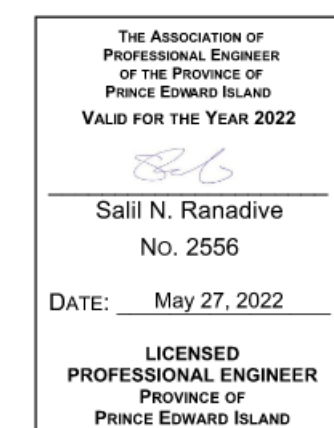
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON Canada M4W 3R8
norrr.com

key plan



project and true North

project legend



0 ISSUED FOR TENDER 2022-05-27

revisions no. date

project DANIEL J MACDONALD

MODERNIZATION

161 GRAFTON STREET
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drawing SINGLE LINE DIAGRAM
- NORMAL POWER

designed NORR compu
date 19/12/18

drawn NORR dessiné
date 19/12/18

approved SR approuvé
date 2022-05-27

Tender Soumission
PWGSC Project Manager Administrateur de projets TPSCG
project number no. du projet

R.056687.005

drawing no. no. du dessin

E04-01

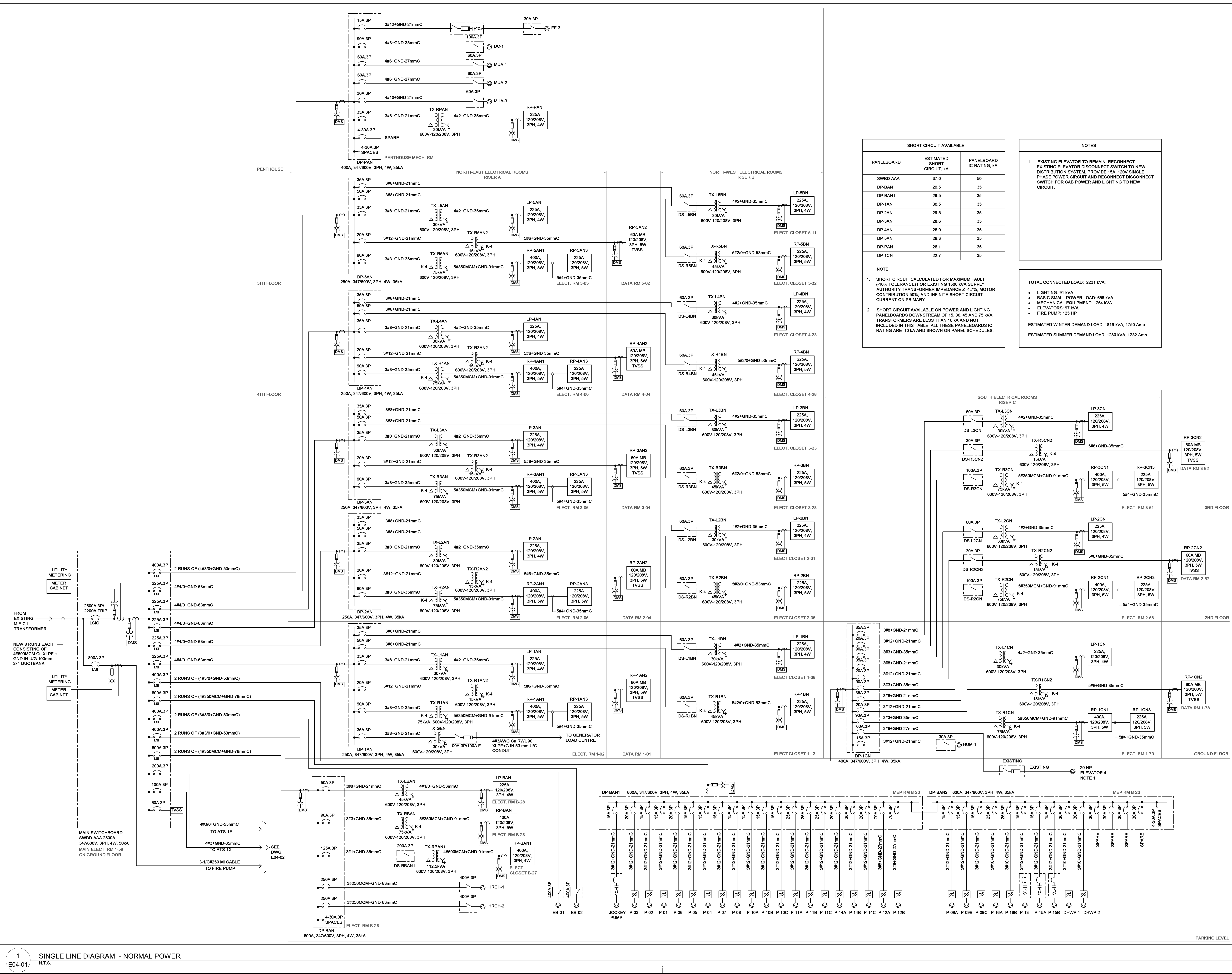
E-OPM-GDD-E: 553185 v1

SHORT CIRCUIT AVAILABLE		
PANELBOARD	ESTIMATED SHORT CIRCUIT, kA	PANELBOARD IC RATING, kA
SWBD-AAA	37.0	50
DP-BAN	29.5	35
DP-BAN1	29.5	35
DP-1AN	30.5	35
DP-2AN	29.5	35
DP-3AN	28.6	35
DP-4AN	26.9	35
DP-5AN	26.3	35
DP-PAN	26.1	35
DP-1CN	22.7	35

NOTE:

- SHORT CIRCUIT CALCULATED FOR MAXIMUM FAULT (10% TOLERANCE) FOR EXISTING 1500 kVA SUPPLY AUTHORITY TRANSFORMER IMPEDANCE Z=4.7%, MOTOR CONTRIBUTION 50%, AND INFINITE SHORT CIRCUIT CURRENT ON PRIMARY.
- SHORT CIRCUIT AVAILABLE ON POWER AND LIGHTING PANELBOARDS DOWNSTREAM OF 15, 30, 45 AND 75 kVA TRANSFORMERS ARE LESS THAN 10 kA AND NOT INCLUDED IN THIS TABLE. ALL THESE PANELBOARDS IC RATING ARE 10 kA AND SHOWN ON PANEL SCHEDULES.

NOTES	
1. EXISTING ELEVATOR TO REMAIN. RECONNECT EXISTING ELEVATOR DISCONNECT SWITCH TO NEW DISTRIBUTION SYSTEM. PROVIDE 15A, 120V SINGLE PHASE POWER CIRCUIT AND RECONNECT DISCONNECT SWITCH FOR CAB POWER AND LIGHTING TO NEW CIRCUIT.	
TOTAL CONNECTED LOAD: 2231 kVA: <ul style="list-style-type: none">LIGHTING: 91 kVABASIC SMALL POWER LOAD: 658 kVAMECHANICAL EQUIPMENT: 1284 kVAELEVATORS: 97 kVAFIRE PUMP: 125 HP ESTIMATED WINTER DEMAND LOAD: 1819 kVA, 1750 Amp ESTIMATED SUMMER DEMAND LOAD: 1280 kVA, 1232 Amp	



1 SINGLE LINE DIAGRAM - NORMAL POWER
N.T.S.

PROJ: AN 0204