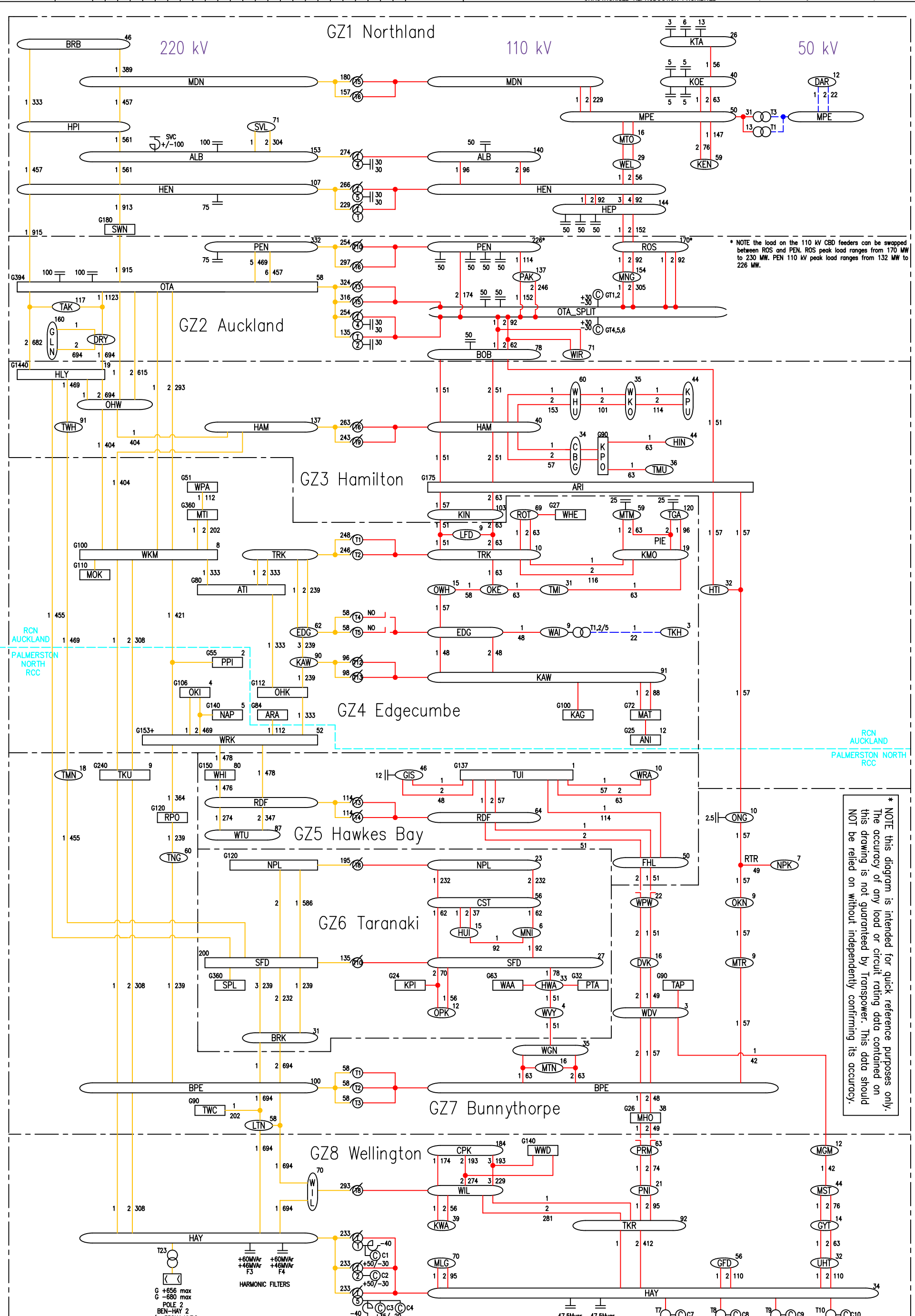


ISSUE	1	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
AP. C.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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AMENDMENT	BY	CHKD	APP	DATE	BY	CHKD	APP	DATE
	AM	BP	BP	07/08	AM	BP	BP	08/10
REVISION	NO	DATE	DESCRIPTION					
	1	05/10	REVISION TO 07/08/08 ADDED INCLUDING VARIOUS LOAD RATINGS.					
AMENDMENT	BY	CHKD	APP	DATE				
	AM	BP	BP	06/08				
REVISION	NO	DATE	DESCRIPTION					
	1	06/08	REVISION TO 07/08/08 ADDED INCLUDING VARIOUS LOAD RATINGS.					
AMENDMENT	BY	CHKD	APP	DATE				
	AM	BP	BP	06/08				
REVISION	NO	DATE	DESCRIPTION					
	1	06/08	REVISION TO 07/08/08 ADDED INCLUDING VARIOUS LOAD RATINGS.					



* NOTE the load on the 110 kV CBD feeders can be swapped between ROS and PEN. ROS peak load ranges from 170 MW to 230 MW. PEN 110 kV peak load ranges from 132 MW to 226 MW.

* NOTE this diagram is intended for quick reference purposes only. The accuracy of any load or circuit rating data contained on this drawing is not guaranteed by Transpower. This data should NOT be relied on without independently confirming its accuracy.

TRANSPOWER
 NORTH ISLAND POWER SYSTEM TRANSMISSION
 LOADFLOW TRANSMISSION LINE RATINGS
 AND SUBSTATION LOADS
 NIPS-6
 DATE OF CURRENT ISSUE: 08/10

LEGEND — 220 kV Lines — 110 kV Lines — 50 kV Lines --- Regional Boundary 1 Transmission Circuit No. 2 Summer Conductor rating (MVA)	Harmonic Filter Power Station (showing generation MW) Substation (Showing peak load MVA Apr 08 - Apr 09) On Load Tap Change Transformer Interconnecting Transformer 100MVA Rating	HVDC Valve Group Operational System Split Rotary Condenser Rating -15 to +30 MVAR Static Capacitor - Two Stages Switchable MVAR
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