

Project:ETAP

Location:12 6 0D

Contract:

Engineer:

Filename:EXAMPLE1-B

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SN:DLRCHNASA2

Revision:Base

Config :Normal

Study Case: LF

Bus Loading Summary Report

Bus				Directly Connected Load								Total Bus Load			
				Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp		MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus1										0	0	11.628	49.8	486.5	
Bus2	2.400			0	0	0	0	0	0	0	0	23.459	92.9	5643.3	
Bus3	2.400			0	0	0	0	0	0	0	0	8.669	45.2	2089.0	
Bus4	2.400			20.400	12.643	4.868	3.017	0	0	0	0	29.727	85.0	7319.8	

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Branch Loading Summary Report

CKT / Branch		Cable & Reactor			Transformer				
ID	Type	Ampacity (Amp)	Loading Amp	%	Capability (MVA)	Loading (input)		Loading (output)	
						MVA	%	MVA	%
Cable1	Cable	6000 00	5643 29	94 05					
Cable2	Cable	4000 00	2088 94	52 22					
T1	Transformer				6 000	2 222	37 0	2 180	36 3
* T2	Transformer				6 000	9 648			5

* Indicates a branch with operating load exceeding the branch capability

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Branch Losses Summary Report

CKT / Branch ID	From-To Bus Flow		To-From Bus Flow		Losses		% Bus Voltage		Vd % Drop in Vmag
	MW	Mvar	MW	Mvar	kW	kvar	From	To	
T1	1 804	1 298	-1 799	-1 231	4 3	66 4	100 0	100 0	0 00
T2	3 989	8 785	-3 921	-7 732	68 0	1053 5	100 0	99 8	0 17
Cable1	21 799	8 666	-21 444	-8 086	355			7	2 30
Cable2	3 921	7 732	-3 824	-7 573	97 3				