SHEET INDEX

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OPTION INDEX

APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION

DWG ISS	CD ISS	DATE ISSD	DRN	APP
1	1 APPX –	02-18-96	JNS	
2	2 APPX –	2-21-97	EB	

SUPPORTING INFORMATION

SYSTEM USED ON	DESIGN CONTROL	CATEGORY	NO.
ANS	IH	ANS SERVICE NODE ADVANTAGE CONTROL SERVER CABINET	ED1S015-60
ANS	IH	ANS SERVICE NODE ADVANTAGE CONTROL SERVER CIRCUIT	SD-1S007-01
ANS	HV	ADVANTAGE TELECOM SERVER CABINET	ED1S018-60
ANS	HV	ADVANTAGE TELECOM SERVER CIRCUIT	SD-1S009-01
ANS	IH	MODULAR FUSE FILTER UNIT	J5D003FJ-1
ANS	IH	MODULAR FUSE FILTER UNIT	SD-5D190-01
ANS	HV	ADVANTAGE NETWORK TERMINATION CABINET	ED1S020-60

SHEET INDEX NOTES

1. ONLY THE LATEST ISSUE, OR ISSUES IF CONCURRENT, ARE SHOWN IN THE INDEX.
2. FOR REISSUES, A CHANGED OR NEW SHEET IS ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1.
3. THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE WHOLE DRAWING.

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BT13

ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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LEAD INDEX TABLE

LEAD INDEX

NETNAME	DESIGN	(V) EQL		TRMNO	(PIN)	SYMLOC	CADNO
	HEQL 014A	68	(LOCATED IN ATSC0)	PWR (A-BUS)		B1/E1	CAD 1
	HEQL PD6/SLOT11	63	(LOCATED IN ACSC)	IN		B1/F3	CAD 1
	HEQL 118A	68	(LOCATED IN ATSC0)	PWR (B-BUS)		B1/F1	CAD 2
	HEQL PD7/SLOT13	63	(LOCATED IN ACSC)	IN		B1/F3	CAD 2
	HEQL 023A	68	(LOCATED IN ATSC0)	PWR (A-BUS)		B1/F1	CAD 3
	HEQL PD8/SLOT15	63	(LOCATED IN ACSC)	IN		B1/F3	CAD 3
	HEQL 127A	68	(LOCATED IN ATSC0)	PWR (B-BUS)		B1/F1	CAD 4
	HEQL PD9/SLOT17	63	(LOCATED IN ACSC)	IN		B1/G3	CAD 4
	HEQL 032A	68	(LOCATED IN ATSC0)	PWR (A-BUS)		B1/G1	CAD 5
	HEQL PQ10/SLOT19	63	(LOCATED IN ACSC)	IN		B1/G3	CAD 5
	HEQL 014A	68	(LOCATED IN ATSC1)	PWR (A-BUS)		B1/G1	CAD 6
	HEQL PD11/SLOT21	63	(LOCATED IN ACSC)	IN		B1/G3	CAD 6
	HEQL 118A	68	(LOCATED IN ATSC1)	PWR (B-BUS)		B1/H1	CAD 7
	HEQL PD12/SLOT23	63	(LOCATED IN ACSC)	IN		B1/G3	CAD 7
	HEQL 023A	68	(LOCATED IN ATSC1)	PWR (A-BUS)		B1/H1	CAD 8
	HEQL PD13/SLOT25	63	(LOCATED IN ACSC)	IN		B1/G3	CAD 8
	HEQL 127A	68	(LOCATED IN ATSC1)	PWR (B-BUS)		B1/H1	CAD 9
	HEQL PD14/SLOT27	63	(LOCATED IN ACSC)	IN		B1/G3	CAD 9
	HEQL 032A	68	(LOCATED IN ATSC1)	PWR (A-BUS)		B1/H1	CAD 10
	HEQL PD15/SLOT29	63	(LOCATED IN ACSC)	IN		B1/G3	CAD 10
	HEQL 041A	68	(LOCATED IN ATSC0)	PWR (A-BUS)		B1/F0	CAD 11
		53	(LOCATED IN ATSC0)	-48V		B2/B1	CAD 11
	HEQL 141A	68	(LOCATED IN ATSC0)	PWR (B-BUS)		B1/G0	CAD 12
		56	(LOCATED IN ATSC0)	-48V		B2/B3	CAD 12
	HEQL PD6/SLOT11	63	(LOCATED IN ACSC)	OUT		B1/H3	CAD 13
	HEQL	11	(LOCATED IN ATSC0)	-48V		B1/B1	CAD 13
	HEQL PD7/SLOT13	63	(LOCATED IN ACSC)	OUT		B1/H3	CAD 14
	HEQL	20	(LOCATED IN ATSC0)	-48V		B1/B3	CAD 14
	HEQL PD8/SLOT15	63	(LOCATED IN ACSC)	OUT		B1/H3	CAD 15
	HEQL	29	(LOCATED IN ATSC0)	-48V		B1/B5	CAD 15
	HEQL PD9/SLOT17	63	(LOCATED IN ACSC)	OUT		B1/H3	CAD 16
	HEQL	38	(LOCATED IN ATSC0)	-48V		B1/B7	CAD 16
	HEQL PD10/SLOT19	63	(LOCATED IN ACSC)	OUT		B1/G3	CAD 17
	HEQL	47	(LOCATED IN ATSC0)	-48V		B1/B9	CAD 17
	HEQL PD11/SLOT21	63	(LOCATED IN ACSC)	OUT		B1/H3	CAD 18
	HEQL	11	(LOCATED IN ATSC1)	-48V		B1/D1	CAD 18
	HEQL PD12/SLOT23	63	(LOCATED IN ACSC)	OUT		B1/H3	CAD 19
	HEQL	20	(LOCATED IN ATSC1)	-48V		B1/D3	CAD 19
	HEQL PD13/SLOT25	63	(LOCATED IN ACSC)	OUT		B1/H3	CAD 20
	HEQL	29	(LOCATED IN ATSC1)	-48V		B1/D5	CAD 20
	HEQL PD14/SLOT27	63	(LOCATED IN ACSC)	OUT		B1/G3	CAD 21
	HEQL	38	(LOCATED IN ATSC1)	-48V		B1/D7	CAD 21
	HEQL PD15/SLOT29	63	(LOCATED IN ACSC)	OUT		B1/G3	CAD 22
	HEQL	47	(LOCATED IN ATSC1)	-48V		B1/D9	CAD 22

LEAD INDEX TABLE

LEAD INDEX

NETNAME	DESIGN	(V) EQL		TRMNO	(PIN)	SYMLOC	CADNO
	HEQL COM-2	11	(LOCATED IN ATSC0)			B1/B1	CAD 23
			RS232 HEARTBEAT MONITORING DB9 TO RJ45 (LOCATED IN ATSC0)			B1/B1	CAD 23
	HEQL 011	63	(LOCATED IN ACSC)	J11		B1/F4	CAD 23
	HEQL COM-2	20	(LOCATED IN ATSC0)			B1/B3	CAD 24
			RS232 HEARTBEAT MONITORING DB9 TO RJ45 (LOCATED IN ATSC0)			B1/B3	CAD 24
	HEQL 013	63	(LOCATED IN ACSC)	J13		B1/F4	CAD 24
	HEQL COM-2	29	(LOCATED IN ATSC0)			B1/B5	CAD 25
			RS232 HEARTBEAT MONITORING DB9 TO RJ45 (LOCATED IN ATSC0)			B1/B5	CAD 25
	HEQL 015	63	(LOCATED IN ACSC)	J15		B1/F4	CAD 25
	HEQL COM-2	38	(LOCATED IN ATSC0)			B1/B7	CAD 26
			RS232 HEARTBEAT MONITORING DB9 TO RJ45 (LOCATED IN ATSC0)			B1/B7	CAD 26
	HEQL 017	63	(LOCATED IN ACSC)	J17		B1/G4	CAD 26
	HEQL COM-2	47	(LOCATED IN ATSC0)			B1/B9	CAD 27
			RS232 HEARTBEAT MONITORING DB9 TO RJ45 (LOCATED IN ATSC0)			B1/B9	CAD 27
	HEQL 019	63	(LOCATED IN ACSC)	J19		B1/G4	CAD 27
	HEQL COM-2	11	(LOCATED IN ATSC1)			B1/D1	CAD 28
			RS232 HEARTBEAT MONITORING DB9 TO RJ45 (LOCATED IN ATSC1)			B1/D1	CAD 28
	HEQL 021	63	(LOCATED IN ACSC)	J21		B1/F4	CAD 28
	HEQL COM-2	20	(LOCATED IN ATSC1)			B1/D3	CAD 29
			RS232 HEARTBEAT MONITORING DB9 TO RJ45 (LOCATED IN ATSC1)			B1/D3	CAD 29
	HEQL 023	63	(LOCATED IN ACSC)	J23		B1/F4	CAD 29
	HEQL COM-2	29	(LOCATED IN ATSC1)			B1/D5	CAD 30
			RS232 HEARTBEAT MONITORING DB9 TO RJ45 (LOCATED IN ATSC1)			B1/D5	CAD 30
	HEQL 025	63	(LOCATED IN ACSC)	J25		B1/G4	CAD 30
	HEQL COM-2	38	(LOCATED IN ATSC1)			B1/D7	CAD 31
			RS232 HEARTBEAT MONITORING DB9 TO RJ45 (LOCATED IN ATSC1)			B1/D7	CAD 31
	HEQL 027	63	(LOCATED IN ACSC)	J27		B1/G4	CAD 31
	HEQL COM-2	47	(LOCATED IN ATSC1)			B1/D9	CAD 32
			RS232 HEARTBEAT MONITORING DB9 TO RJ45 (LOCATED IN ATSC1)			B1/D9	CAD 32
	HEQL 029	63	(LOCATED IN ACSC)	J29		B1/G4	CAD 32
	HEQL 014	63	(LOCATED IN ACSC)	OUT0		B1/G4	CAD 33
			RS232 INTERFACE DB9 TO RJ45 (LOCATED IN ATSC0)			B1/B1	CAD 33
	HEQL COM-1	11	(LOCATED IN ATSC1)			B1/D1	CAD 33
	HEQL 018	63	(LOCATED IN ACSC)	OUT0		B1/G4	CAD 34
			RS232 INTERFACE DB9 TO RJ45 (LOCATED IN ATSC0)			B1/B3	CAD 34
	HEQL COM-1	20	(LOCATED IN ATSC1)			B1/D3	CAD 34
	HEQL 014	63	(LOCATED IN ACSC)	OUT1		B1/H4	CAD 35
			RS232 INTERFACE DB9 TO RJ45 (LOCATED IN ATSC0)			B1/B5	CAD 35
	HEQL COM-1	29	(LOCATED IN ATSC1)			B1/D5	CAD 35
	HEQL 018	63	(LOCATED IN ACSC)	OUT1		B1/H4	CAD 36
			RS232 INTERFACE DB9 TO RJ45 (LOCATED IN ATSC0)			B1/B7	CAD 36
	HEQL COM-1	38	(LOCATED IN ATSC1)			B1/D7	CAD 36
	HEQL 006	63	(LOCATED IN ACSC)	OUT0		B1/H4	CAD 37
			RS232 INTERFACE DB9 TO RJ45 (LOCATED IN ATSC0)			B1/B9	CAD 37
	HEQL COM-1	47	(LOCATED IN ATSC1)			B1/D9	CAD 37
	HEQL 014	63	(LOCATED IN ACSC)	OUT2		B1/G4	CAD 38
			RS232 INTERFACE DB9 TO RJ45 (LOCATED IN ATSC1)			B1/D1	CAD 38
	HEQL COM-1	11	(LOCATED IN ATSC0)			B1/B1	CAD 38
	HEQL 018	63	(LOCATED IN ACSC)	OUT2		B1/G4	CAD 39
			RS232 INTERFACE DB9 TO RJ45 (LOCATED IN ATSC1)			B1/D3	CAD 39
	HEQL COM-1	20	(LOCATED IN ATSC0)			B1/B3	CAD 39
	HEQL 014	63	(LOCATED IN ACSC)	OUT3		B1/H4	CAD 40
			RS232 INTERFACE DB9 TO RJ45 (LOCATED IN ATSC1)			B1/D5	CAD 40
	HEQL COM-1	29	(LOCATED IN ATSC0)			B1/B5	CAD 40
	HEQL 018	63	(LOCATED IN ACSC)	OUT3		B1/H3	CAD 41
			RS232 INTERFACE DB9 TO RJ45 (LOCATED IN ATSC1)			B1/D5	CAD 41
	HEQL COM-1	38	(LOCATED IN ATSC0)			B1/B7	CAD 41
	HEQL 010	63	(LOCATED IN ACSC)	OUT0		B1/H4	CAD 42
			RS232 INTERFACE DB9 TO RJ45 (LOCATED IN ATSC1)			B1/D9	CAD 42
	HEQL COM-1	47	(LOCATED IN ATSC0)			B1/B9	CAD 42

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE C2

ISSUE 2

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LEAD INDEX TABLE

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NETNAME	DESIGN	(V) EQL	TRMNO (PIN)	SYMLOC	CADNO
	PORT 3			B2/B1	CAD 43
	HEQL PCI0	11 (LOCATED IN ATSC0)		B1/B1	CAD 43
	PORT 4	53 (LOCATED IN ATSC0)		B2/B1	CAD 44
	HEQL PCI0	20 (LOCATED IN ATSC0)		B1/B3	CAD 44
	PORT 5	53 (LOCATED IN ATSC0)		B2/B1	CAD 45
	HEQL PCI0	29 (LOCATED IN ATSC0)		B1/B5	CAD 45
	PORT 6	53 (LOCATED IN ATSC0)		B2/B1	CAD 46
	HEQL PCI0	38 (LOCATED IN ATSC0)		B1/B7	CAD 46
	PORT 7	53 (LOCATED IN ATSC0)		B2/C1	CAD 47
	HEQL PCI0	47 (LOCATED IN ATSC0)		B1/B9	CAD 47
	PORT 8	53 (LOCATED IN ATSC0)		B2/C1	CAD 48
	HEQL PCI0	11 (LOCATED IN ATSC1)		B1/C1	CAD 48
	PORT 9	53 (LOCATED IN ATSC0)		B2/C1	CAD 49
	HEQL PCI0	20 (LOCATED IN ATSC1)		B1/C3	CAD 49
	PORT 10	53 (LOCATED IN ATSC0)		B2/C1	CAD 50
	HEQL PCI0	29 (LOCATED IN ATSC1)		B1/C5	CAD 50
	PORT 11	53 (LOCATED IN ATSC0)		B2/C1	CAD 51
	HEQL PCI0	38 (LOCATED IN ATSC1)		B1/C7	CAD 51
	PORT 12	53 (LOCATED IN ATSC0)		B2/C1	CAD 52
	HEQL PCI0	47 (LOCATED IN ATSC1)		B1/C9	CAD 52
	PORT 1	53 (LOCATED IN ATSC0)		B2/B1	CAD 53
	HEQL EISA/ISA/2	11 (ACSC)		B2/D1	CAD 53
	PORT 2	53 (LOCATED IN ATSC0)		B2/B1	CAD 54
	HEQL EISA/ISA/2	19 (ACSC)		B2/D3	CAD 54
	PORT 3	56 (LOCATED IN ATSC0)		B1/B3	CAD 55
	HEQL PCI1	11 (LOCATED IN ATSC0)		B1/B1	CAD 55
	PORT 4	56 (LOCATED IN ATSC0)		B2/B3	CAD 56
	HEQL PCI1	20 (LOCATED IN ATSC0)		B1/B3	CAD 56
	PORT 5	56 (LOCATED IN ATSC0)		B2/B3	CAD 57
	HEQL PCI1	29 (LOCATED IN ATSC0)		B1/B5	CAD 57
	PORT 6	56 (LOCATED IN ATSC0)		B2/B3	CAD 58
	HEQL PCI1	38 (LOCATED IN ATSC0)		B1/B7	CAD 58
	PORT 7	56 (LOCATED IN ATSC0)		B2/B3	CAD 59
	HEQL PCI1	47 (LOCATED IN ATSC0)		B1/B9	CAD 59
	PORT 8	56 (LOCATED IN ATSC0)		B2/C3	CAD 60
	HEQL PCI1	11 (LOCATED IN ATSC1)		B1/C1	CAD 60
	PORT 9	56 (LOCATED IN ATSC0)		B2/C3	CAD 61
	HEQL PCI1	20 (LOCATED IN ATSC1)		B1/C3	CAD 61
	PORT 10	56 (LOCATED IN ATSC0)		B2/C3	CAD 62
	HEQL PCI1	29 (LOCATED IN ATSC1)		B1/C5	CAD 62
	PORT 11	56 (LOCATED IN ATSC0)		B2/C3	CAD 63
	HEQL PCI1	38 (LOCATED IN ATSC1)		B1/C7	CAD 63
	PORT 12	56 (LOCATED IN ATSC0)		B2/C3	CAD 64
	HEQL PCI1	47 (LOCATED IN ATSC1)		B1/C9	CAD 64
	PORT 1	56 (LOCATED IN ATSC0)		B2/B3	CAD 65
	HEQL EISA/ISA/3	11 (LOCATED IN ACSC)		B2/D1	CAD 65
	PORT 2	56 (LOCATED IN ATSC0)		B2/B3	CAD 66
	HEQL EISA/ISA/3	19 (LOCATED IN ACSC)		B2/D3	CAD 66
	HEQL 098	68 (LOCATED IN ATSC0)	103	B1/E0	CAD 67
	HEQL CH-5	19 (LOCATED IN ACSC)	–	B2/E3	CAD 67
	HEQL 098	68 (LOCATED IN ATSC0)	112/117	B1/F0	CAD 68
	HEQL CH-5	19 (LOCATED IN ACSC)	+	B2/E3	CAD 68
	HEQL 098	68 (LOCATED IN ATSC0)	000	B1/E0	CAD 69
	FUSE/ALARM	FRONT INDICATOR STRIP (LOCATED IN ATSC0)	1	B1/E0	CAD 69
	HEQL 098	68 (LOCATED IN ATSC0)	001	B1/F0	CAD 70
	FUSE/ALARM	FRONT INDICATOR STRIP (LOCATED IN ATSC0)	2	B1/E0	CAD 70
	HEQL 098	68 (LOCATED IN ATSC1)	103	B1/H0	CAD 71
	HEQL CH-6	19 (LOCATED IN ACSC)	–	B2/E3	CAD 71
	HEQL 098	68 (LOCATED IN ATSC1)	112/117	B1/H0	CAD 72
	HEQL CH-6	19 (LOCATED IN ACSC)	+	B2/E3	CAD 72
	HEQL 098	68 (LOCATED IN ATSC1)	000	B1/G0	CAD 73
	FUSE/ALARM	FRONT INDICATOR STRIP (LOCATED IN ATSC0)	1	B1/E0	CAD 73
	HEQL 098	68 (LOCATED IN ATSC1)	001	B1/G0	CAD 74
	FUSE/ALARM	FRONT INDICATOR STRIP (LOCATED IN ATSC0)	2	B1/E0	CAD 74

LEAD INDEX TABLE

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NETNAME	DESIGN	(V) EQL	TRMNO (PIN)	SYMLOC	CADNO
	HEQL E06	11 (LOCATED IN ATSC0)	CONN1	B3/B1	CAD 75
	HEQL 1A	008 (LOCATED IN ANTC0)	CONN2	B3/C2	CAD 75
	HEQL 2A	008 (LOCATED IN ANTC0)	CONN3	B3/C2	CAD 75
	HEQL 3A	008 (LOCATED IN ANTC0)	CONN4	B3/C2	CAD 75
	HEQL 4A	008 (LOCATED IN ANTC0)	CONN5	B3/C2	CAD 75
	HEQL 5A	008 (LOCATED IN ANTC0)	CONN6	B3/C2	CAD 75
	HEQL 6A	008 (LOCATED IN ANTC0)	CONN7	B3/C2	CAD 75
	HEQL 7A	008 (LOCATED IN ANTC0)	CONN8	B3/C2	CAD 75
	HEQL 8A	008 (LOCATED IN ANTC0)	CONN9	B3/C2	CAD 75
	HEQL E07	11 (LOCATED IN ATSC0)	CONN1	B3/B1	CAD 76
	HEQL 9A	008 (LOCATED IN ANTC0)	CONN2	B3/D2	CAD 76
	HEQL 10A	008 (LOCATED IN ANTC0)	CONN3	B3/D2	CAD 76
	HEQL 11A	008 (LOCATED IN ANTC0)	CONN4	B3/D2	CAD 76
	HEQL 12A	008 (LOCATED IN ANTC0)	CONN5	B3/D2	CAD 76
	HEQL 9A	012 (LOCATED IN ANTC0)	CONN6	B3/D4	CAD 76
	HEQL 10A	012 (LOCATED IN ANTC0)	CONN7	B3/D4	CAD 76
	HEQL 11A	012 (LOCATED IN ANTC0)	CONN8	B3/D4	CAD 76
	HEQL 12A	012 (LOCATED IN ANTC0)	CONN9	B3/D4	CAD 76
	HEQL E08	11 (LOCATED IN ATSC0)	CONN1	B3/B1	CAD 77
	HEQL 1A	012 (LOCATED IN ANTC0)	CONN2	B3/C4	CAD 77
	HEQL 2A	012 (LOCATED IN ANTC0)	CONN3	B3/C4	CAD 77
	HEQL 3A	012 (LOCATED IN ANTC0)	CONN4	B3/C4	CAD 77
	HEQL 4A	012 (LOCATED IN ANTC0)	CONN5	B3/C4	CAD 77
	HEQL 5A	012 (LOCATED IN ANTC0)	CONN6	B3/C4	CAD 77
	HEQL 6A	012 (LOCATED IN ANTC0)	CONN7	B3/C4	CAD 77
	HEQL 7A	012 (LOCATED IN ANTC0)	CONN8	B3/C4	CAD 77
	HEQL 8A	012 (LOCATED IN ANTC0)	CONN9	B3/C4	CAD 77
	HEQL E09	11 (LOCATED IN ATSC0)	CONN1	B3/B1	CAD 78
	HEQL 1A	016 (LOCATED IN ANTC0)	CONN2	B3/C6	CAD 78
	HEQL 2A	016 (LOCATED IN ANTC0)	CONN3	B3/C6	CAD 78
	HEQL 3A	016 (LOCATED IN ANTC0)	CONN4	B3/C6	CAD 78
	HEQL 4A	016 (LOCATED IN ANTC0)	CONN5	B3/C6	CAD 78
	HEQL 5A	016 (LOCATED IN ANTC0)	CONN6	B3/D6	CAD 78
	HEQL 6A	016 (LOCATED IN ANTC0)	CONN7	B3/D6	CAD 78
	HEQL 7A	016 (LOCATED IN ANTC0)	CONN8	B3/D6	CAD 78
	HEQL 8A	016 (LOCATED IN ANTC0)	CONN9	B3/D6	CAD 78
	HEQL E10	11 (LOCATED IN ATSC0)	CONN1	B3/B1	CAD 79
	HEQL 9A	016 (LOCATED IN ANTC0)	CONN2	B3/C6	CAD 79
	HEQL 10A	016 (LOCATED IN ANTC0)	CONN3	B3/C6	CAD 79
	HEQL 11A	016 (LOCATED IN ANTC0)	CONN4	B3/C6	CAD 79
	HEQL 12A	016 (LOCATED IN ANTC0)	CONN5	B3/C6	CAD 79
	HEQL 9A	020 (LOCATED IN ANTC0)	CONN6	B3/C8	CAD 79
	HEQL 10A	020 (LOCATED IN ANTC0)	CONN7	B3/C8	CAD 79
	HEQL 11A	020 (LOCATED IN ANTC0)	CONN8	B3/C8	CAD 79
	HEQL 12A	020 (LOCATED IN ANTC0)	CONN9	B3/C8	CAD 79
	HEQL E06	20 (LOCATED IN ATSC0)	CONN1	B4/B1	CAD 80
	HEQL 1A	024 (LOCATED IN ANTC0)	CONN2	B4/C2	CAD 80
	HEQL 2A	024 (LOCATED IN ANTC0)	CONN3	B4/C2	CAD 80
	HEQL 3A	024 (LOCATED IN ANTC0)	CONN4	B4/C2	CAD 80
	HEQL 4A	024 (LOCATED IN ANTC0)	CONN5	B4/C2	CAD 80
	HEQL 5A	024 (LOCATED IN ANTC0)	CONN6	B4/C2	CAD 80
	HEQL 6A	024 (LOCATED IN ANTC0)	CONN7	B4/C2	CAD 80
	HEQL 7A	024 (LOCATED IN ANTC0)	CONN8	B4/C2	CAD 80
	HEQL 8A	024 (LOCATED IN ANTC0)	CONN9	B4/C2	CAD 80
	HEQL E07	20 (LOCATED IN ATSC0)	CONN1	B4/B1	CAD 81
	HEQL 9A	024 (LOCATED IN ANTC0)	CONN2	B4/D2	CAD 81
	HEQL 10A	024 (LOCATED IN ANTC0)	CONN3	B4/D2	CAD 81
	HEQL 11A	024 (LOCATED IN ANTC0)	CONN4	B4/D2	CAD 81
	HEQL 12A	024 (LOCATED IN ANTC0)	CONN5	B4/D2	CAD 81
	HEQL 9A	028 (LOCATED IN ANTC0)	CONN6	B4/D4	CAD 81
	HEQL 10A	028 (LOCATED IN ANTC0)	CONN7	B4/D4	CAD 81
	HEQL 11A	028 (LOCATED IN ANTC0)	CONN8	B4/D4	CAD 81
	HEQL 12A	028 (LOCATED IN ANTC0)	CONN9	B4/D4	CAD 81
	HEQL E08	20 (LOCATED IN ATSC0)	CONN1	B4/B1	CAD 82
	HEQL 1A	028 (LOCATED IN ANTC0)	CONN2	B4/C4	CAD 82
	HEQL 2A	028 (LOCATED IN ANTC0)	CONN3	B4/C4	CAD 82
	HEQL 3A	028 (LOCATED IN ANTC0)	CONN4	B4/C4	CAD 82
	HEQL 4A	028 (LOCATED IN ANTC0)	CONN5	B4/C4	CAD 82
	HEQL 5A	028 (LOCATED IN ANTC0)	CONN6	B4/C4	CAD 82
	HEQL 6A	028 (LOCATED IN ANTC0)	CONN7	B4/C4	CAD 82
	HEQL 7A	028 (LOCATED IN ANTC0)	CONN8	B4/C4	CAD 82
	HEQL 8A	028 (LOCATED IN ANTC0)	CONN9	B4/C4	CAD 82

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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LEAD INDEX TABLE

LEAD INDEX						
NETNAME	DESIGN	(V) EQL		TRMNO (PIN)	SYMLOC	CADNO
	HEQL E 09	20	(LOCATED IN ATSC0)	CONN1	B4/B1	CAD 83
	HEQL 1A	032	(LOCATED IN ANTC0)	CONN2	B4/C6	CAD 83
	HEQL 2A	032	(LOCATED IN ANTC0)	CONN3	B4/C6	CAD 83
	HEQL 3A	032	(LOCATED IN ANTC0)	CONN4	B4/C6	CAD 83
	HEQL 4A	032	(LOCATED IN ANTC0)	CONN5	B4/C6	CAD 83
	HEQL 5A	032	(LOCATED IN ANTC0)	CONN6	B4/D6	CAD 83
	HEQL 6A	032	(LOCATED IN ANTC0)	CONN7	B4/D6	CAD 83
	HEQL 7A	032	(LOCATED IN ANTC0)	CONN8	B4/D6	CAD 83
	HEQL 8A	032	(LOCATED IN ANTC0)	CONN9	B4/D6	CAD 83
	HEQL E10	20	(LOCATED IN ATSC0)	CONN1	B4/B1	CAD 84
	HEQL 9A	032	(LOCATED IN ANTC0)	CONN2	B4/C6	CAD 84
	HEQL 10A	032	(LOCATED IN ANTC0)	CONN3	B4/C6	CAD 84
	HEQL 11A	032	(LOCATED IN ANTC0)	CONN4	B4/C6	CAD 84
	HEQL 12A	032	(LOCATED IN ANTC0)	CONN5	B4/C6	CAD 84
	HEQL 9A	036	(LOCATED IN ANTC0)	CONN6	B4/C8	CAD 84
	HEQL 10A	036	(LOCATED IN ANTC0)	CONN7	B4/C8	CAD 84
	HEQL 11A	036	(LOCATED IN ANTC0)	CONN8	B4/C8	CAD 84
	HEQL 12A	036	(LOCATED IN ANTC0)	CONN9	B4/C8	CAD 84
	HEQL E06	29	(LOCATED IN ATSC0)	CONN1	B5/B1	CAD 85
	HEQL 1A	020	(LOCATED IN ANTC0)	CONN2	B3/C8	CAD 85
	HEQL 2A	020	(LOCATED IN ANTC0)	CONN3	B3/C8	CAD 85
	HEQL 3A	020	(LOCATED IN ANTC0)	CONN4	B3/C8	CAD 85
	HEQL 4A	020	(LOCATED IN ANTC0)	CONN5	B3/C8	CAD 85
	HEQL 5A	020	(LOCATED IN ANTC0)	CONN6	B3/D8	CAD 85
	HEQL 6A	020	(LOCATED IN ANTC0)	CONN7	B3/D8	CAD 85
	HEQL 7A	020	(LOCATED IN ANTC0)	CONN8	B3/D8	CAD 85
	HEQL 8A	020	(LOCATED IN ANTC0)	CONN9	B3/D8	CAD 85
	HEQL E07	29	(LOCATED IN ATSC0)	CONN1	B5/B1	CAD 86
	HEQL 1A	044	(LOCATED IN ANTC0)	CONN2	B5/C2	CAD 86
	HEQL 2A	044	(LOCATED IN ANTC0)	CONN3	B5/C2	CAD 86
	HEQL 3A	044	(LOCATED IN ANTC0)	CONN4	B5/C2	CAD 86
	HEQL 4A	044	(LOCATED IN ANTC0)	CONN5	B5/C2	CAD 86
	HEQL 5A	044	(LOCATED IN ANTC0)	CONN6	B5/C2	CAD 86
	HEQL 6A	044	(LOCATED IN ANTC0)	CONN7	B5/C2	CAD 86
	HEQL 7A	044	(LOCATED IN ANTC0)	CONN8	B5/C2	CAD 86
	HEQL 8A	044	(LOCATED IN ANTC0)	CONN9	B5/C2	CAD 86
	HEQL E08	29	(LOCATED IN ATSC0)	CONN1	B5/B1	CAD 87
	HEQL 9A	044	(LOCATED IN ANTC0)	CONN2	B5/D2	CAD 87
	HEQL 10A	044	(LOCATED IN ANTC0)	CONN3	B5/D2	CAD 87
	HEQL 11A	044	(LOCATED IN ANTC0)	CONN4	B5/D2	CAD 87
	HEQL 12A	044	(LOCATED IN ANTC0)	CONN5	B5/D2	CAD 87
	HEQL 9A	048	(LOCATED IN ANTC0)	CONN6	B5/D4	CAD 87
	HEQL 10A	048	(LOCATED IN ANTC0)	CONN7	B5/D4	CAD 87
	HEQL 11A	048	(LOCATED IN ANTC0)	CONN8	B5/D4	CAD 87
	HEQL 12A	048	(LOCATED IN ANTC0)	CONN9	B5/D4	CAD 87
	HEQL E09	29	(LOCATED IN ATSC0)	CONN1	B5/B1	CAD 88
	HEQL 1A	048	(LOCATED IN ANTC0)	CONN2	B5/C4	CAD 88
	HEQL 2A	048	(LOCATED IN ANTC0)	CONN3	B5/C4	CAD 88
	HEQL 3A	048	(LOCATED IN ANTC0)	CONN4	B5/C4	CAD 88
	HEQL 4A	048	(LOCATED IN ANTC0)	CONN5	B5/C4	CAD 88
	HEQL 5A	048	(LOCATED IN ANTC0)	CONN6	B5/C4	CAD 88
	HEQL 6A	048	(LOCATED IN ANTC0)	CONN7	B5/C4	CAD 88
	HEQL 7A	048	(LOCATED IN ANTC0)	CONN8	B5/C4	CAD 88
	HEQL 8A	048	(LOCATED IN ANTC0)	CONN9	B5/C4	CAD 88
	HEQL E10	29	(LOCATED IN ATSC0)	CONN1	B5/B1	CAD 89
	HEQL 1A	052	(LOCATED IN ANTC0)	CONN2	B5/C6	CAD 89
	HEQL 2A	052	(LOCATED IN ANTC0)	CONN3	B5/C6	CAD 89
	HEQL 3A	052	(LOCATED IN ANTC0)	CONN4	B5/C6	CAD 89
	HEQL 4A	052	(LOCATED IN ANTC0)	CONN5	B5/C6	CAD 89
	HEQL 5A	052	(LOCATED IN ANTC0)	CONN6	B5/D6	CAD 89
	HEQL 6A	052	(LOCATED IN ANTC0)	CONN7	B5/D6	CAD 89
	HEQL 7A	052	(LOCATED IN ANTC0)	CONN8	B5/D6	CAD 89
	HEQL 8A	052	(LOCATED IN ANTC0)	CONN9	B5/D6	CAD 89
	HEQL E06	38	(LOCATED IN ATSC0)	CONN1	B6/B1	CAD 90
	HEQL 1A	036	(LOCATED IN ANTC0)	CONN2	B4/C8	CAD 90
	HEQL 2A	036	(LOCATED IN ANTC0)	CONN3	B4/C8	CAD 90
	HEQL 3A	036	(LOCATED IN ANTC0)	CONN4	B4/C8	CAD 90
	HEQL 4A	036	(LOCATED IN ANTC0)	CONN5	B4/C8	CAD 90
	HEQL 5A	036	(LOCATED IN ANTC0)	CONN6	B4/D8	CAD 90
	HEQL 6A	036	(LOCATED IN ANTC0)	CONN7	B4/D8	CAD 90
	HEQL 7A	036	(LOCATED IN ANTC0)	CONN8	B4/D8	CAD 90
	HEQL 8A	036	(LOCATED IN ANTC0)	CONN9	B4/D8	CAD 90

LEAD INDEX TABLE

LEAD INDEX						
NETNAME	DESIGN	(V) EQL		TRMNO (PIN)	SYMLOC	CADNO
	HEQL E07	38	(LOCATED IN ATSC0)	CONN1	B6/B1	CAD 91
	HEQL 1A	056	(LOCATED IN ANTC0)	CONN2	B6/C2	CAD 91
	HEQL 2A	056	(LOCATED IN ANTC0)	CONN3	B6/C2	CAD 91
	HEQL 3A	056	(LOCATED IN ANTC0)	CONN4	B6/C2	CAD 91
	HEQL 4A	056	(LOCATED IN ANTC0)	CONN5	B6/C2	CAD 91
	HEQL 5A	056	(LOCATED IN ANTC0)	CONN6	B6/D2	CAD 91
	HEQL 6A	056	(LOCATED IN ANTC0)	CONN7	B6/D2	CAD 91
	HEQL 7A	056	(LOCATED IN ANTC0)	CONN8	B6/D2	CAD 91
	HEQL 8A	056	(LOCATED IN ANTC0)	CONN9	B6/D2	CAD 91
	HEQL E08	38	(LOCATED IN ATSC0)	CONN1	B6/B1	CAD 92
	HEQL 9A	056	(LOCATED IN ANTC0)	CONN2	B6/C2	CAD 92
	HEQL 10A	056	(LOCATED IN ANTC0)	CONN3	B6/C2	CAD 92
	HEQL 11A	056	(LOCATED IN ANTC0)	CONN4	B6/C2	CAD 92
	HEQL 12A	056	(LOCATED IN ANTC0)	CONN5	B6/C2	CAD 92
	HEQL 9A	060	(LOCATED IN ANTC0)	CONN6	B6/D4	CAD 92
	HEQL 10A	060	(LOCATED IN ANTC0)	CONN7	B6/D4	CAD 92
	HEQL 11A	060	(LOCATED IN ANTC0)	CONN8	B6/D4	CAD 92
	HEQL 12A	060	(LOCATED IN ANTC0)	CONN9	B6/D4	CAD 92
	HEQL E09	38	(LOCATED IN ATSC0)	CONN1	B6/B1	CAD 93
	HEQL 1A	060	(LOCATED IN ANTC0)	CONN2	B6/C4	CAD 93
	HEQL 2A	060	(LOCATED IN ANTC0)	CONN3	B6/C4	CAD 93
	HEQL 3A	060	(LOCATED IN ANTC0)	CONN4	B6/C4	CAD 93
	HEQL 4A	060	(LOCATED IN ANTC0)	CONN5	B6/C4	CAD 93
	HEQL 5A	060	(LOCATED IN ANTC0)	CONN6	B6/C4	CAD 93
	HEQL 6A	060	(LOCATED IN ANTC0)	CONN7	B6/C4	CAD 93
	HEQL 7A	060	(LOCATED IN ANTC0)	CONN8	B6/C4	CAD 93
	HEQL 8A	060	(LOCATED IN ANTC0)	CONN9	B6/C4	CAD 93
	HEQL E10	38	(LOCATED IN ATSC0)	CONN1	B6/B1	CAD 94
	HEQL 1A	064	(LOCATED IN ANTC0)	CONN2	B6/C6	CAD 94
	HEQL 2A	064	(LOCATED IN ANTC0)	CONN3	B6/C6	CAD 94
	HEQL 3A	064	(LOCATED IN ANTC0)	CONN4	B6/C6	CAD 94
	HEQL 4A	064	(LOCATED IN ANTC0)	CONN5	B6/C6	CAD 94
	HEQL 5A	064	(LOCATED IN ANTC0)	CONN6	B6/C6	CAD 94
	HEQL 6A	064	(LOCATED IN ANTC0)	CONN7	B6/C6	CAD 94
	HEQL 7A	064	(LOCATED IN ANTC0)	CONN8	B6/C6	CAD 94
	HEQL 8A	064	(LOCATED IN ANTC0)	CONN9	B6/C6	CAD 94
	HEQL POWER	008	(LOCATED IN ANTC0)		B3/D2	CAD 95
	HEQL 1	008	(LOCATED IN ANTC0)	NC		CAD 95
	HEQL 2	008	(LOCATED IN ANTC0)	NC		CAD 95
	HEQL 3	008	(LOCATED IN ANTC0)	NC		CAD 95
	HEQL 4	008	(LOCATED IN ANTC0)	NC		CAD 95
	HEQL 5	008	(LOCATED IN ANTC0)	NC		CAD 95
	HEQL 6	008	(LOCATED IN ANTC0)	NC		CAD 95
	HEQL 7	008	(LOCATED IN ANTC0)	NC		CAD 95
	HEQL 8	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 9	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 10	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 11	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 12	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 13	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 14	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 15	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 16	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 17	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 18	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 19	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 20	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 21	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 22	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 23	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 24	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 25	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 26	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 27	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 28	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 29	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 30	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 31	008	(LOCATED IN ANTC0)		B3/E2	CAD 95
	HEQL 32	008	(LOCATED IN ANTC0)		B3/E2	CAD 95

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE C2

ISSUE 2

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SHEET A4

LEAD INDEX TABLE

LEAD INDEX

NETNAME	DESIGN	(V) EQL	TRMNO (PIN)	SYMLOC	CADNO
	HEQL POWER	012 (LOCATED IN ANTC0)		B3/D4	CAD 96
	HEQL 1	012 (LOCATED IN ANTC0)	NC		CAD 96
	HEQL 2	012 (LOCATED IN ANTC0)	NC		CAD 96
	HEQL 3	012 (LOCATED IN ANTC0)	NC		CAD 96
	HEQL 4	012 (LOCATED IN ANTC0)	NC		CAD 96
	HEQL 5	012 (LOCATED IN ANTC0)	NC		CAD 96
	HEQL 6	012 (LOCATED IN ANTC0)	NC		CAD 96
	HEQL 7	012 (LOCATED IN ANTC0)	NC		CAD 96
	HEQL 8	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 9	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 10	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 11	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 12	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 13	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 14	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 15	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 16	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 17	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 18	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 19	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 20	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 21	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 22	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 23	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 24	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 25	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 26	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 27	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 28	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 29	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 30	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 31	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL 32	012 (LOCATED IN ANTC0)		B3/E4	CAD 96
	HEQL POWER	016 (LOCATED IN ANTC0)		B3/D6	CAD 97
	HEQL 1	016 (LOCATED IN ANTC0)	NC		CAD 97
	HEQL 2	016 (LOCATED IN ANTC0)	NC		CAD 97
	HEQL 3	016 (LOCATED IN ANTC0)	NC		CAD 97
	HEQL 4	016 (LOCATED IN ANTC0)	NC		CAD 97
	HEQL 5	016 (LOCATED IN ANTC0)	NC		CAD 97
	HEQL 6	016 (LOCATED IN ANTC0)	NC		CAD 97
	HEQL 7	016 (LOCATED IN ANTC0)	NC		CAD 97
	HEQL 8	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 9	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 10	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 11	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 12	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 13	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 14	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 15	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 16	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 17	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 18	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 19	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 20	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 21	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 22	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 23	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 24	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 25	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 26	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 27	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 28	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 29	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 30	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 31	016 (LOCATED IN ANTC0)		B3/E6	CAD 97
	HEQL 32	016 (LOCATED IN ANTC0)		B3/E6	CAD 97

LEAD INDEX TABLE

LEAD INDEX

NETNAME	DESIGN	(V) EQL	TRMNO (PIN)	SYMLOC	CADNO
	HEQL POWER	020 (LOCATED IN ANTC0)		B3/D8	CAD 98
	HEQL 1	020 (LOCATED IN ANTC0)	NC		CAD 98
	HEQL 2	020 (LOCATED IN ANTC0)	NC		CAD 98
	HEQL 3	020 (LOCATED IN ANTC0)	NC		CAD 98
	HEQL 4	020 (LOCATED IN ANTC0)	NC		CAD 98
	HEQL 5	020 (LOCATED IN ANTC0)	NC		CAD 98
	HEQL 6	020 (LOCATED IN ANTC0)	NC		CAD 98
	HEQL 7	020 (LOCATED IN ANTC0)	NC		CAD 98
	HEQL 8	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 9	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 10	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 11	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 12	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 13	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 14	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 15	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 16	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 17	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 18	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 19	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 20	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 21	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 22	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 23	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 24	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 25	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 26	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 27	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 28	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 29	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 30	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 31	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL 32	020 (LOCATED IN ANTC0)		B3/E8	CAD 98
	HEQL POWER	024 (LOCATED IN ANTC0)		B4/D2	CAD 99
	HEQL 1	024 (LOCATED IN ANTC0)	NC		CAD 99
	HEQL 2	024 (LOCATED IN ANTC0)	NC		CAD 99
	HEQL 3	024 (LOCATED IN ANTC0)	NC		CAD 99
	HEQL 4	024 (LOCATED IN ANTC0)	NC		CAD 99
	HEQL 5	024 (LOCATED IN ANTC0)	NC		CAD 99
	HEQL 6	024 (LOCATED IN ANTC0)	NC		CAD 99
	HEQL 7	024 (LOCATED IN ANTC0)	NC		CAD 99
	HEQL 8	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 9	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 10	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 11	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 12	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 13	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 14	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 15	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 16	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 17	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 18	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 19	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 20	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 21	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 22	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 23	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 24	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 25	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 26	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 27	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 28	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 29	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 30	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 31	024 (LOCATED IN ANTC0)		B4/E2	CAD 99
	HEQL 32	024 (LOCATED IN ANTC0)		B4/E2	CAD 99

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECON SERVER CIRCUIT

DWG SIZE C2 | ISSUE 2

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LEAD INDEX TABLE

LEAD INDEX					
NETNAME	DESIGN	(V) EQL	TRMNO (PIN)	SYMLOC	CADNO
	HEQL POWER	028 (LOCATED IN ANTC0)		B4/D4	CAD 100
	HEQL 1	028 (LOCATED IN ANTC0)	NC		CAD 100
	HEQL 2	028 (LOCATED IN ANTC0)	NC		CAD 100
	HEQL 3	028 (LOCATED IN ANTC0)	NC		CAD 100
	HEQL 4	028 (LOCATED IN ANTC0)	NC		CAD 100
	HEQL 5	028 (LOCATED IN ANTC0)	NC		CAD 100
	HEQL 6	028 (LOCATED IN ANTC0)	NC		CAD 100
	HEQL 7	028 (LOCATED IN ANTC0)	NC		CAD 100
	HEQL 8	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 9	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 10	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 11	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 12	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 13	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 14	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 15	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 16	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 17	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 18	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 19	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 20	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 21	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 22	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 23	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 24	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 25	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 26	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 27	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 28	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 29	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 30	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 31	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL 32	028 (LOCATED IN ANTC0)		B4/E4	CAD 100
	HEQL POWER	032 (LOCATED IN ANTC0)		B4/D6	CAD 101
	HEQL 1	032 (LOCATED IN ANTC0)	NC		CAD 101
	HEQL 2	032 (LOCATED IN ANTC0)	NC		CAD 101
	HEQL 3	032 (LOCATED IN ANTC0)	NC		CAD 101
	HEQL 4	032 (LOCATED IN ANTC0)	NC		CAD 101
	HEQL 5	032 (LOCATED IN ANTC0)	NC		CAD 101
	HEQL 6	032 (LOCATED IN ANTC0)	NC		CAD 101
	HEQL 7	032 (LOCATED IN ANTC0)	NC		CAD 101
	HEQL 8	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 9	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 10	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 11	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 12	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 13	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 14	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 15	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 16	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 17	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 18	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 19	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 20	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 21	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 22	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 23	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 24	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 25	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 26	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 27	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 28	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 29	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 30	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 31	032 (LOCATED IN ANTC0)		B4/E6	CAD 101
	HEQL 32	032 (LOCATED IN ANTC0)		B4/E6	CAD 101

LEAD INDEX TABLE

LEAD INDEX					
NETNAME	DESIGN	(V) EQL	TRMNO (PIN)	SYMLOC	CADNO
	HEQL POWER	036 (LOCATED IN ANTC0)		B4/D8	CAD 102
	HEQL 1	036 (LOCATED IN ANTC0)	NC		CAD 102
	HEQL 2	036 (LOCATED IN ANTC0)	NC		CAD 102
	HEQL 3	036 (LOCATED IN ANTC0)	NC		CAD 102
	HEQL 4	036 (LOCATED IN ANTC0)	NC		CAD 102
	HEQL 5	036 (LOCATED IN ANTC0)	NC		CAD 102
	HEQL 6	036 (LOCATED IN ANTC0)	NC		CAD 102
	HEQL 7	036 (LOCATED IN ANTC0)	NC		CAD 102
	HEQL 8	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 9	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 10	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 11	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 12	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 13	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 14	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 15	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 16	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 17	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 18	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 19	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 20	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 21	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 22	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 23	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 24	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 25	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 26	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 27	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 28	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 29	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 30	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 31	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL 32	036 (LOCATED IN ANTC0)		B4/E8	CAD 102
	HEQL POWER	044 (LOCATED IN ANTC0)		B5/D2	CAD 103
	HEQL 1	044 (LOCATED IN ANTC0)	NC		CAD 103
	HEQL 2	044 (LOCATED IN ANTC0)	NC		CAD 103
	HEQL 3	044 (LOCATED IN ANTC0)	NC		CAD 103
	HEQL 4	044 (LOCATED IN ANTC0)	NC		CAD 103
	HEQL 5	044 (LOCATED IN ANTC0)	NC		CAD 103
	HEQL 6	044 (LOCATED IN ANTC0)	NC		CAD 103
	HEQL 7	044 (LOCATED IN ANTC0)	NC		CAD 103
	HEQL 8	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 9	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 10	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 11	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 12	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 13	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 14	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 15	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 16	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 17	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 18	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 19	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 20	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 21	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 22	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 23	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 24	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 25	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 26	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 27	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 28	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 29	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 30	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 31	044 (LOCATED IN ANTC0)		B5/E2	CAD 103
	HEQL 32	044 (LOCATED IN ANTC0)		B5/E2	CAD 103

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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LEAD INDEX TABLE

LEAD INDEX					
NETNAME	DESIGN	(V) EQL	TRMNO (PIN)	SYMLOC	CADNO
	HEQL POWER	048 (LOCATED IN ANTC0)		B5/D4	CAD 104
	HEQL 1	048 (LOCATED IN ANTC0)	NC		CAD 104
	HEQL 2	048 (LOCATED IN ANTC0)	NC		CAD 104
	HEQL 3	048 (LOCATED IN ANTC0)	NC		CAD 104
	HEQL 4	048 (LOCATED IN ANTC0)	NC		CAD 104
	HEQL 5	048 (LOCATED IN ANTC0)	NC		CAD 104
	HEQL 6	048 (LOCATED IN ANTC0)	NC		CAD 104
	HEQL 7	048 (LOCATED IN ANTC0)	NC		CAD 104
	HEQL 8	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 9	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 10	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 11	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 12	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 13	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 14	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 15	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 16	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 17	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 18	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 19	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 20	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 21	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 22	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 23	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 24	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 25	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 26	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 27	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 28	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 29	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 30	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 31	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL 32	048 (LOCATED IN ANTC0)		B5/E4	CAD 104
	HEQL POWER	052 (LOCATED IN ANTC0)		B5/D6	CAD 105
	HEQL 1	052 (LOCATED IN ANTC0)	NC		CAD 105
	HEQL 2	052 (LOCATED IN ANTC0)	NC		CAD 105
	HEQL 3	052 (LOCATED IN ANTC0)	NC		CAD 105
	HEQL 4	052 (LOCATED IN ANTC0)	NC		CAD 105
	HEQL 5	052 (LOCATED IN ANTC0)	NC		CAD 105
	HEQL 6	052 (LOCATED IN ANTC0)	NC		CAD 105
	HEQL 7	052 (LOCATED IN ANTC0)	NC		CAD 105
	HEQL 8	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 9	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 10	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 11	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 12	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 13	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 14	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 15	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 16	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 17	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 18	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 19	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 20	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 21	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 22	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 23	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 24	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 25	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 26	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 27	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 28	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 29	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 30	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 31	052 (LOCATED IN ANTC0)		B5/E6	CAD 105
	HEQL 32	052 (LOCATED IN ANTC0)		B5/E6	CAD 105

LEAD INDEX TABLE

LEAD INDEX					
NETNAME	DESIGN	(V) EQL	TRMNO (PIN)	SYMLOC	CADNO
	HEQL POWER	056 (LOCATED IN ANTC0)		B5/D8	CAD 106
	HEQL 1	056 (LOCATED IN ANTC0)	NC		CAD 106
	HEQL 2	056 (LOCATED IN ANTC0)	NC		CAD 106
	HEQL 3	056 (LOCATED IN ANTC0)	NC		CAD 106
	HEQL 4	056 (LOCATED IN ANTC0)	NC		CAD 106
	HEQL 5	056 (LOCATED IN ANTC0)	NC		CAD 106
	HEQL 6	056 (LOCATED IN ANTC0)	NC		CAD 106
	HEQL 7	056 (LOCATED IN ANTC0)	NC		CAD 106
	HEQL 8	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 9	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 10	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 11	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 12	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 13	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 14	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 15	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 16	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 17	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 18	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 19	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 20	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 21	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 22	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 23	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 24	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 25	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 26	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 27	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 28	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 29	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 30	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 31	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL 32	056 (LOCATED IN ANTC0)		B6/E2	CAD 106
	HEQL POWER	060 (LOCATED IN ANTC0)		B6/D4	CAD 107
	HEQL 1	060 (LOCATED IN ANTC0)	NC		CAD 107
	HEQL 2	060 (LOCATED IN ANTC0)	NC		CAD 107
	HEQL 3	060 (LOCATED IN ANTC0)	NC		CAD 107
	HEQL 4	060 (LOCATED IN ANTC0)	NC		CAD 107
	HEQL 5	060 (LOCATED IN ANTC0)	NC		CAD 107
	HEQL 6	060 (LOCATED IN ANTC0)	NC		CAD 107
	HEQL 7	060 (LOCATED IN ANTC0)	NC		CAD 107
	HEQL 8	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 9	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 10	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 11	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 12	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 13	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 14	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 15	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 16	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 17	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 18	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 19	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 20	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 21	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 22	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 23	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 24	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 25	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 26	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 27	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 28	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 29	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 30	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 31	060 (LOCATED IN ANTC0)		B6/E4	CAD 107
	HEQL 32	060 (LOCATED IN ANTC0)		B6/E4	CAD 107

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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LEAD INDEX TABLE

LEAD INDEX					
NETNAME	DESIGN	(V) EQL	TRMNO (PIN)	SYMLOC	CADNO
	HEQL POWER	064 (LOCATED IN ANTC0)		B6/D4	CAD 108
	HEQL 1	064 (LOCATED IN ANTC0)	NC		CAD 108
	HEQL 2	064 (LOCATED IN ANTC0)	NC		CAD 108
	HEQL 3	064 (LOCATED IN ANTC0)	NC		CAD 108
	HEQL 4	064 (LOCATED IN ANTC0)	NC		CAD 108
	HEQL 5	064 (LOCATED IN ANTC0)	NC		CAD 108
	HEQL 6	064 (LOCATED IN ANTC0)	NC		CAD 108
	HEQL 7	064 (LOCATED IN ANTC0)	NC		CAD 108
	HEQL 8	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 9	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 10	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 11	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 12	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 13	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 14	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 15	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 16	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 17	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 18	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 19	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 20	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 21	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 22	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 23	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 24	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 25	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 26	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 27	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 28	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 29	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 30	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 31	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 32	064 (LOCATED IN ANTC0)		B6/E4	CAD 108
	HEQL 014A	68 (LOCATED IN ANTC0)		B3/F1	CAD 109
	HEQL BATT	008 (LOCATED IN ANTC0)		B3/F2	CAD 109
	HEQL 014B	68 (LOCATED IN ANTC0)		B3/F1	CAD 110
	HEQL BATT	012 (LOCATED IN ANTC0)		B3/F4	CAD 110
	HEQL 023A	68 (LOCATED IN ANTC0)		B3/F1	CAD 111
	HEQL BATT	016 (LOCATED IN ANTC0)		B3/F6	CAD 111
	HEQL 023B	68 (LOCATED IN ANTC0)		B3/F1	CAD 112
	HEQL BATT	020 (LOCATED IN ANTC0)		B3/F8	CAD 112
	HEQL 118A	68 (LOCATED IN ANTC0)		B4/F1	CAD 113
	HEQL BATT	024 (LOCATED IN ANTC0)		B4/F2	CAD 113
	HEQL 118B	68 (LOCATED IN ANTC0)		B4/F1	CAD 114
	HEQL BATT	028 (LOCATED IN ANTC0)		B4/F4	CAD 114
	HEQL 127A	68 (LOCATED IN ANTC0)		B4/F1	CAD 115
	HEQL BATT	032 (LOCATED IN ANTC0)		B4/F6	CAD 115
	HEQL 127B	68 (LOCATED IN ANTC0)		B4/F1	CAD 116
	HEQL BATT	040 (LOCATED IN ANTC0)		B4/F8	CAD 116
	HEQL 032A	68 (LOCATED IN ANTC0)		B5/F1	CAD 117
	HEQL BATT	044 (LOCATED IN ANTC0)		B5/F2	CAD 117
	HEQL 032B	68 (LOCATED IN ANTC0)		B5/F1	CAD 118
	HEQL BATT	048 (LOCATED IN ANTC0)		B5/F4	CAD 118
	HEQL 041A	68 (LOCATED IN ANTC0)		B5/F1	CAD 119
	HEQL BATT	052 (LOCATED IN ANTC0)		B5/F6	CAD 119
	HEQL 141A	68 (LOCATED IN ANTC0)		B6/F1	CAD 120
	HEQL BATT	056 (LOCATED IN ANTC0)		B5/F8	CAD 120
	HEQL 141B	68 (LOCATED IN ANTC0)		B6/F1	CAD 121
	HEQL BATT	060 (LOCATED IN ANTC0)		B6/F4	CAD 121
	HEQL 150A	68 (LOCATED IN ANTC0)		B6/F1	CAD 122
	HEQL BATT	064 (LOCATED IN ANTC0)		B6/F6	CAD 122
	HEQL 098	68 (LOCATED IN ANTC0)	103	B3/F1	CAD 123
	HEQL 098	68 (LOCATED IN ANTC0)	007	B3/F1	CAD 123
	HEQL 098	68 (LOCATED IN ATSC0)	106	B1/F0	CAD 124
	HEQL 098	68 (LOCATED IN ATSC0)	104	B1/F0	CAD 124
	HEQL 098	68 (LOCATED IN ANTC0)	106	B3/G1	CAD 125
	HEQL 098	68 (LOCATED IN ATSC0)	007	B1/F0	CAD 125
	HEQL 098	68 (LOCATED IN ATSC1)	106	B1/H0	CAD 126
	HEQL 098	68 (LOCATED IN ATSC1)	104	B1/H0	CAD 126

LEAD INDEX TABLE

LEAD INDEX					
NETNAME	DESIGN	(V) EQL	TRMNO (PIN)	SYMLOC	CADNO
CH-5	–	11 (LOCATED IN ACSC)		B2/E1	CAD 127
CH-5	–	19 (LOCATED IN ACSC)		B2/E3	CAD 127
CH-5	+	11 (LOCATED IN ACSC)		B2/E1	CAD 128
CH-5	+	19 (LOCATED IN ACSC)		B2/E3	CAD 128
CH-6	–	11 (LOCATED IN ACSC)		B2/E1	CAD 129
CH-6	–	19 (LOCATED IN ACSC)		B2/E3	CAD 129
CH-6	+	11 (LOCATED IN ACSC)		B2/E1	CAD 130
CH-6	+	19 (LOCATED IN ACSC)		B2/E3	CAD 130

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE: C2

ISSUE: 2

Lucent Technologies

SD-1S009-01

SHEET: A8

MNEMONICS TABLE

```
ACSC      = ADVANTAGE CONTROL SERVER CABINET
AMC       = ADVANTAGE MISCELLANEOUS CABINET
ANS       = ADVANCED NETWORK SERVICES
ANTC      = ADVANTAGE NETWORK TERMINATION CABINET
AP        = A POWER
APP       = APPARATUS
APP. FIG. = APPARATUS FIGURE
AR        = A RETURN
AS        = APPLICATION SCHEMATIC
ATSC      = ADVANTAGE TELECOM SERVER CABINET
BP        = B POWER
BR        = B RETURN
BRI       = BASIC RATE INTERFACE
CAD       = CABLE APPLICATION DIAGRAM
CC        = CONTROL COMPUTER
CH        = CHANNEL
COM       = COMMON
CONN      = CONNECTOR
DOC       = DOCUMENT
DF        = DISTRIBUTION FRAME
ED        = EQUIPMENT DRAWING
EISA      = EXTENDED INDUSTRY STANDARD ARCHITECTURE
FIG       = FIGURE
HEQL      = HORIZONTAL EQUIPMENT LOCATION
HV        = HILVERSUM
IH        = INDIAN HILL
ISA       = INDUSTRY STANDARD ARCHITECTURE
ISS       = ISSUE
LED       = LIGHT EMITTING DIODE
MFFU      = MODULAIR FUSE FILTER UNIT
NC        = NOT CONNECTED
NT        = NETWORK TERMINATION
NTI       = NETWORK TERMINATION INTERFACE
OV        = OUTSIDE VENDOR
PD        = POWER DOG
PDU       = POWER DISTRIBUTION UNIT
RCC       = RELIABLE CLUSTER COMPUTING
RCU       = RCC CONTROL UNIT
REF       = REFERENCE
RTN       = RETURN
SD        = SCHEMATIC DRAWING
SYMLOC    = SYMBOL LOCATION
TRMNO     = TERMINAL NUMBER
TS        = TELECOM SERVER
VEQL      = VERTICAL EQUIPMENT LOCATION
WRG       = WIRING
5ESS      = 5TH GENERATION ELECTRONIC SWITCHING SYSTEMS
```

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

Lucent Technologies	SD-1S009-01	SHEET A9

AS1 CABLE OVERVIEW

LOCATED IN ATSC0
TS0 VEQL 11
HEQL
(ETHERNET) 100MB
(RS232 INTERFACE)
(RS232 HEARTBEAT MONITORING)
(POWER)
PCI 0 — NET3 B2/B1
PCI 1 — NET13 B2/B3
COM-1
COM-2
-48V
RTN — NET33

LOCATED IN ATSC0
TS1 VEQL 20
HEQL
(ETHERNET) 100MB
(RS232 INTERFACE)
(RS232 HEARTBEAT MONITORING)
(POWER)
PCI 0 — NET4 B2/B1
PCI 1 — NET14 B2/B3
COM-1
COM-2
-48V
RTN — NET34

LOCATED IN ATSC0
TS2 VEQL 29
HEQL
(ETHERNET) 100MB
(RS232 INTERFACE)
(RS232 HEARTBEAT MONITORING)
(POWER)
PCI 0 — NET5 B2/B1
PCI 1 — NET15 B2/B3
COM-1
COM-2
-48V
RTN — NET35

LOCATED IN ATSC0
TS3 VEQL 38
HEQL
(ETHERNET) 100MB
(RS232 INTERFACE)
(RS232 HEARTBEAT MONITORING)
(POWER)
PCI 0 — NET6 B2/B1
PCI 1 — NET16 B2/B3
COM-1
COM-2
-48V
RTN — NET36

LOCATED IN ATSC0
TS4 VEQL 47
HEQL
(ETHERNET) 100MB
(RS232 INTERFACE)
(RS232 HEARTBEAT MONITORING)
(POWER)
PCI 0 — NET7 B2/C1
PCI 1 — NET17 B2/C3
COM-1
COM-2
-48V
RTN — NET37

LOCATED IN ATSC1
TS5 VEQL 11
HEQL
(ETHERNET) 100MB
(RS232 INTERFACE)
(RS232 HEARTBEAT MONITORING)
(POWER)
PCI 0 — NET8 B2/C1
PCI 1 — NET18 B2/C3
COM-1
COM-2
-48V
RTN — NET28

LOCATED IN ATSC1
TS6 VEQL 20
HEQL
(ETHERNET) 100MB
(RS232 INTERFACE)
(RS232 HEARTBEAT MONITORING)
(POWER)
PCI 0 — NET9 B2/C1
PCI 1 — NET19 B2/C3
COM-1
COM-2
-48V
RTN — NET29

LOCATED IN ATSC1
TS7 VEQL 29
HEQL
(ETHERNET) 100MB
(RS232 INTERFACE)
(RS232 HEARTBEAT MONITORING)
(POWER)
PCI 0 — NET10 B2/C1
PCI 1 — NET20 B2/C3
COM-1
COM-2
-48V
RTN — NET30

LOCATED IN ATSC1
TS8 VEQL 38
HEQL
(ETHERNET) 100MB
(RS232 INTERFACE)
(RS232 HEARTBEAT MONITORING)
(POWER)
PCI 0 — NET11 B2/C1
PCI 1 — NET21 B2/C3
COM-1
COM-2
-48V
RTN — NET31

LOCATED IN ATSC1
TS9 VEQL 47
HEQL
(ETHERNET) 100MB
(RS232 INTERFACE)
(RS232 HEARTBEAT MONITORING)
(POWER)
PCI 0 — NET12 B2/C1
PCI 1 — NET22 B2/C3
COM-1
COM-2
-48V
RTN — NET32

LOCATED IN ATSC1
FUSE INDICATOR STRIP
FUSE/ALARM (LED)
2 1

LOCATED IN ATSC0
FUSE INDICATOR STRIP
FUSE/ALARM (LED)
2 1

LOCATED IN ATSC0
SD-5D190-01
MFFU VEQL 68
HEQL
000 001 NET23 103 B2/E3 112 NET24 117 B2/E3 106 104 NET25 007 B3/G1
098 098 098 098 098 098 098 098
ALARM(A-BUS)
ALARM(B-BUS)
TEST(A-BUS)
TEST(B-BUS)
014A 014A 118A 118A 023A 023A 127A 127A 032A 032A
PWR(A-BUS) — RTN — NET33
PWR(B-BUS) — RTN — NET34
PWR(A-BUS) — RTN — NET35
PWR(B-BUS) — RTN — NET36
PWR(A-BUS) — RTN — NET37
HEQL
041A 041A 141A 141A
NET38 B2/B1 PWR(A-BUS)
NET1 RTN
PWR(B-BUS)
NET2 RTN
NET39 B2/B3

LOCATED IN ATSC1
SD-5D190-01
MFFU VEQL 68
HEQL
000 001 NET26 103 B2/E3 112 NET27 117 B2/E3 106 104
098 098 098 098 098 098 098 098
ALARM(A-BUS)
ALARM(B-BUS)
TEST(A-BUS)
014A 014A 118A 118A 023A 023A 127A 127A 032A 032A
PWR(A-BUS) — RTN — NET28
PWR (B-BUS) — RTN — NET29
PWR (A-BUS) — RTN — NET30
PWR (B-BUS) — RTN — NET31
PWR (A-BUS) — RTN — NET32
=17K8

LOCATED IN ACSC
RCU VEQL 63
HEQL
IN PD6/SLOT11
IN PD7/SLOT13
IN PD8/SLOT15
IN PD9/SLOT17
IN PD10/SLOT19
IN PD11/SLOT21
IN PD12/SLOT23
IN PD13/SLOT25
IN PD14/SLOT27
IN PD15/SLOT29
(POWER DOG)
(RS232 HEARTBEAT MONITORING)
OUT PD15/SLOT29
OUT PD10/SLOT19
OUT PD14/SLOT27
OUT PD9/SLOT17
OUT PD13/SLOT25
OUT PD8/SLOT15
OUT PD12/SLOT23
OUT PD7/SLOT13
OUT PD6/SLOT11
OUT PD11/SLOT21
(POWER DOG)
(RS232 INTERFACE)
HEQL
021 J21
011 J11
023 J23
013 J13
025 J25
015 J15
027 J27
017 J17
029 J29
019 J19
014 OUT2
014 OUT0
018 OUT2
018 OUT0
014 OUT3
014 OUT1
018 OUT3
018 OUT1
010 OUT0
006 OUT0

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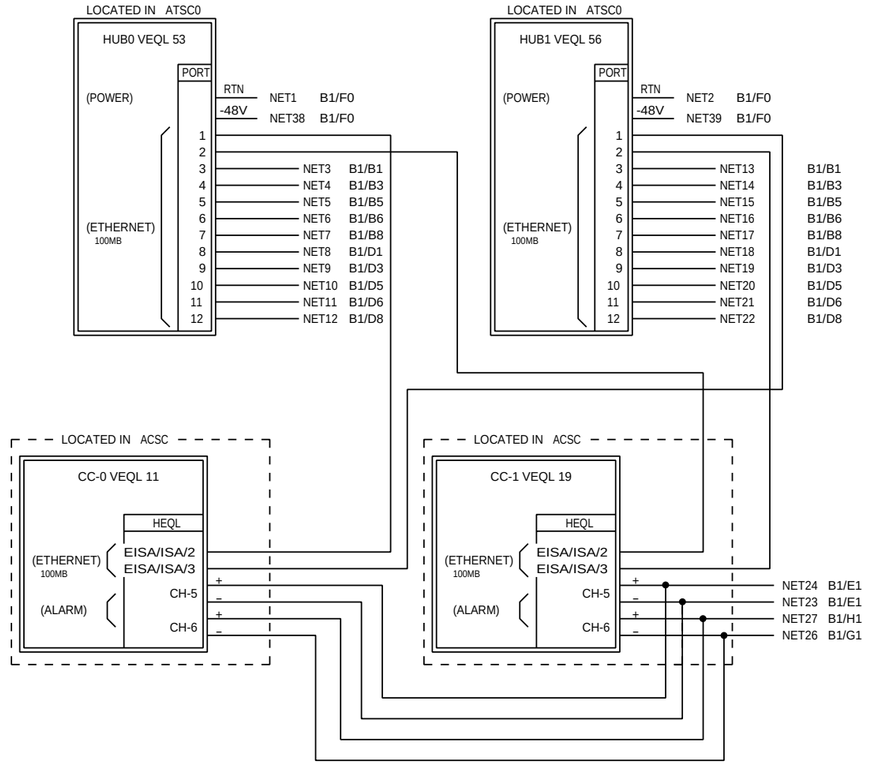
ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

Lucent Technologies | SD-1S009-01 | SHEET B1

AS1 CABLE OVERVIEW



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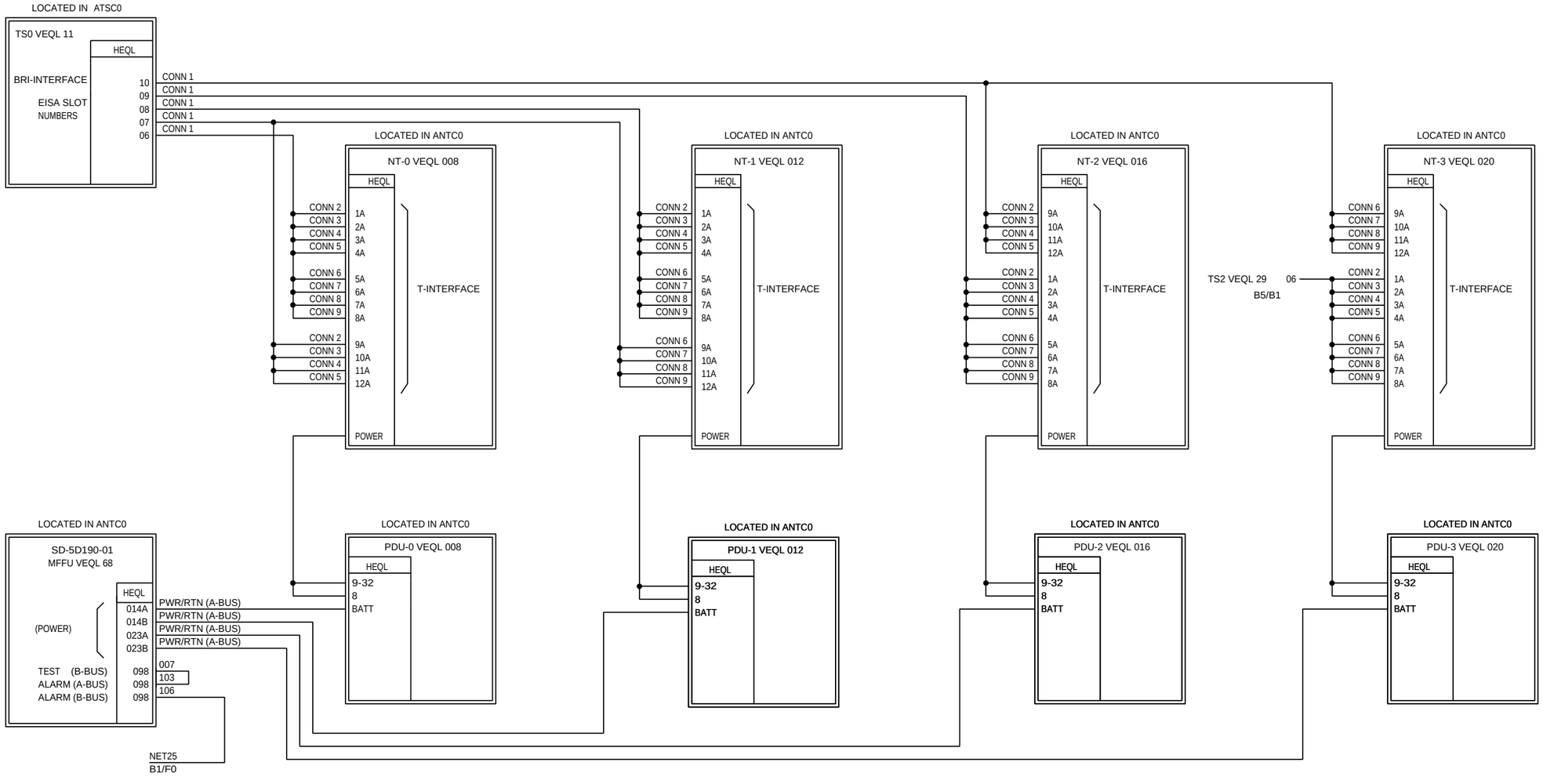
ADVANCED NETWORK SERVICES ADVANTAGE TELECOM SERVER CIRCUIT		DWG SIZE C2	ISSUE 2
Lucent Technologies	SD-1S009-01		SHEET B2

AS1 CABLE OVERVIEW



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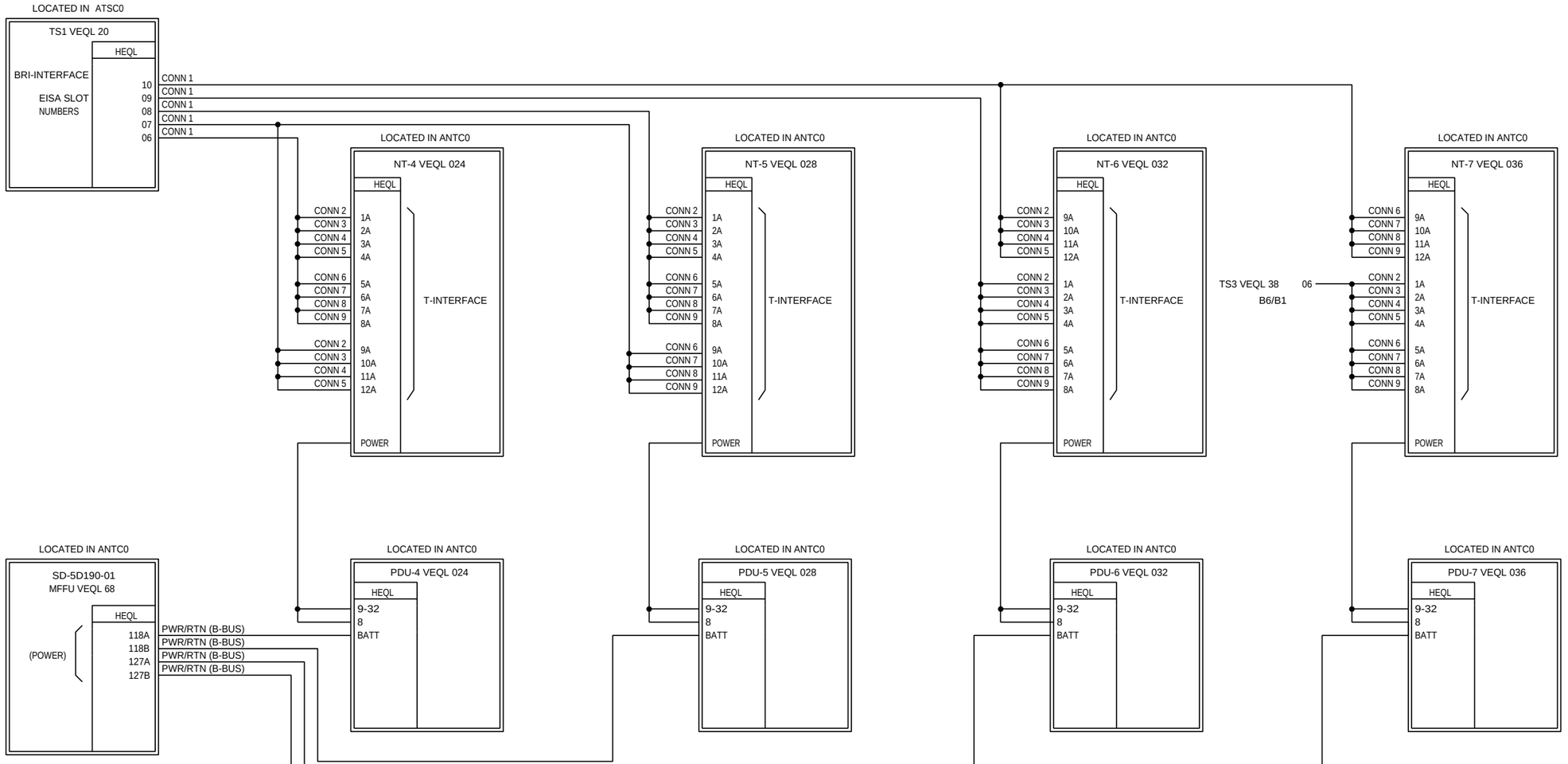
ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

Lucent Technologies	SD-1S009-01	SHEET
		B3

AS1 CABLE OVERVIEW



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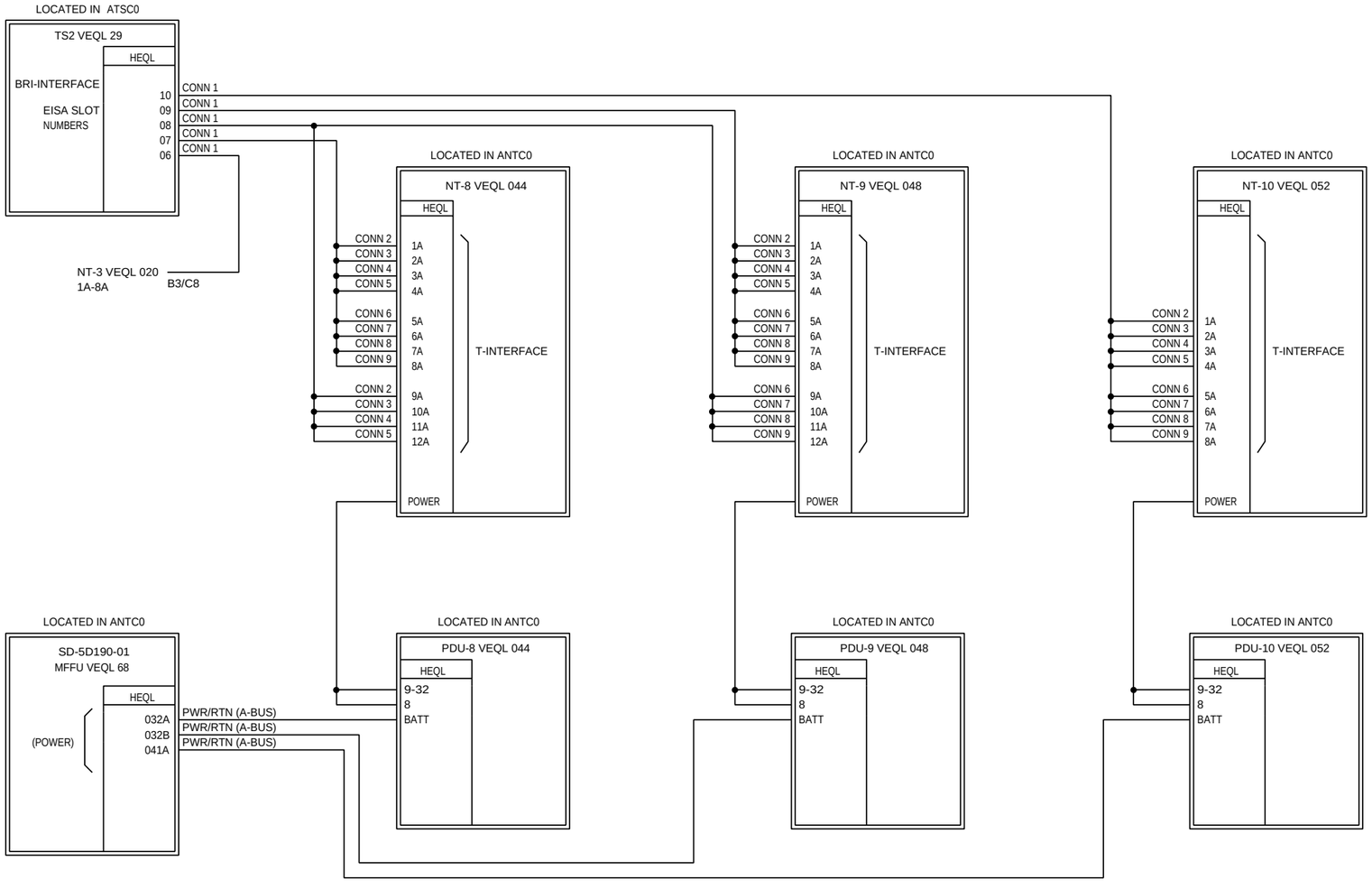
ADVANCED NETWORK SERVICES ADVANTAGE TELECOM SERVER CIRCUIT	DWG SIZE C2	ISSUE 2
Lucent Technologies	SD-1S009-01	SHEET B4

AS1 CABLE OVERVIEW



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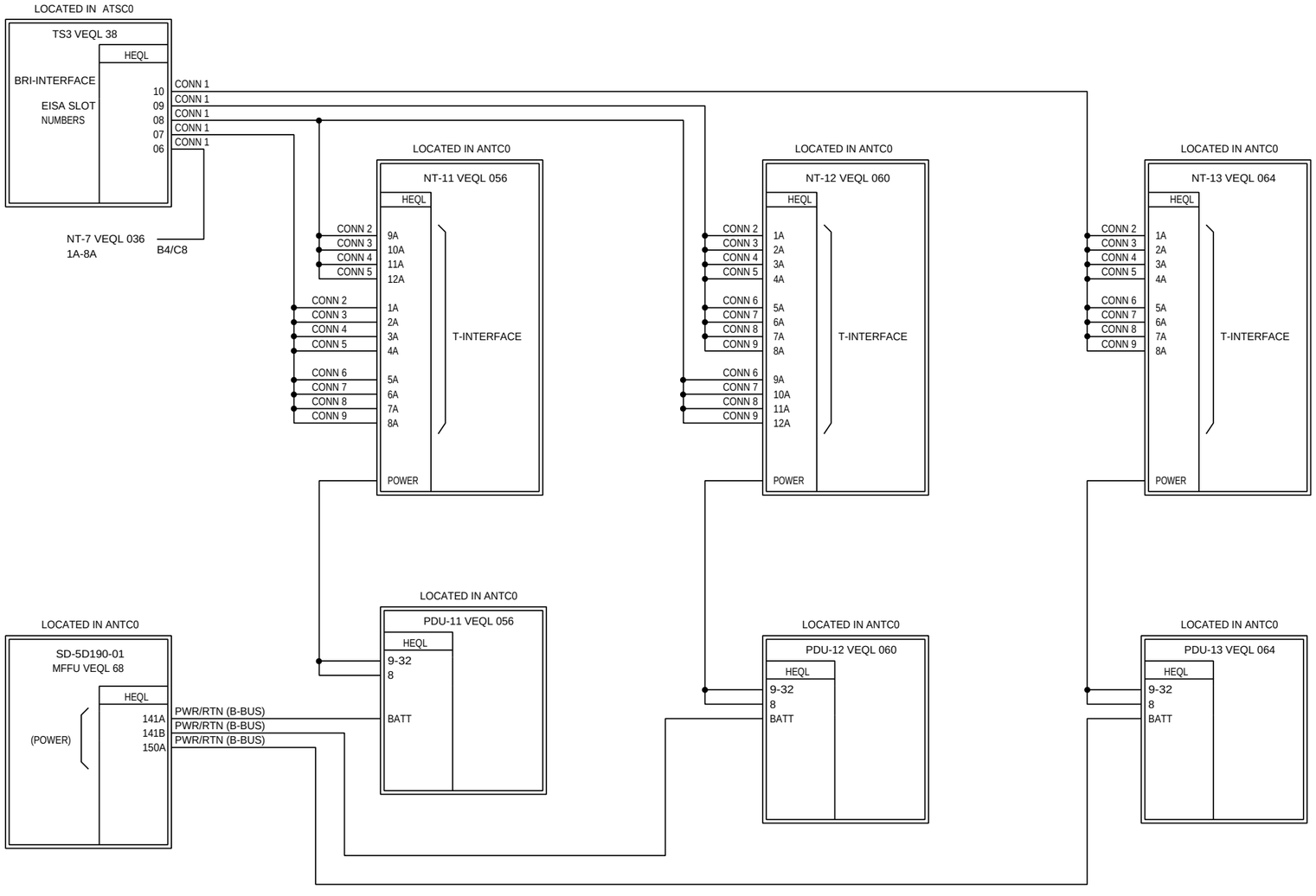
ADVANCED NETWORK SERVICES ADVANTAGE TELECOM SERVER CIRCUIT	DWG SIZE C2	ISSUE 2
Lucent Technologies	SD-1S009-01	SHEET B5

AS1 CABLE OVERVIEW



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ADVANCED NETWORK SERVICES ADVANTAGE TELECOM SERVER CIRCUIT		DWG SIZE C2	ISSUE 2
Lucent Technologies	SD-1S009-01		SHEET B6

APP FIG. 1

UNIT OPT	DESIGN	EQPT LOC	SHT/LOC	CODE
		VEQL 11	B1/B1+B3/B1	TS0 (LOCATED IN (ATSC0)
		VEQL 20	B1/B3+B4/B1	TS1 (LOCATED IN (ATSC0)
		VEQL 29	B1/B4+B5/B1	TS2 (LOCATED IN (ATSC0)
		VEQL 38	B1/B6+B6/B1	TS3 (LOCATED IN (ATSC0)
		VEQL 47	B1/B8	TS4 (LOCATED IN (ATSC0)
		VEQL 11	B1/D1	TS5 (LOCATED IN (ATSC1)
		VEQL 20	B1/D3	TS6 (LOCATED IN (ATSC1)
		VEQL 29	B1/D4	TS7 (LOCATED IN (ATSC1)
		VEQL 38	B1/D6	TS8 (LOCATED IN (ATSC1)
		VEQL 47	B1/D8	TS9 (LOCATED IN (ATSC1)
		VEQL 68	B1/F1	MFFU (ATSC0), SD-5D190-01
		VEQL 68	B1/H1	MFFU (ATSC1), SD-5D190-01
		VEQL 63	B1/G3	RCU (LOCATED IN ACSC)
			B1/E1	FUSE INDICATOR STRIP (LOCATED IN (ATSC0)
			B1/E0	FUSE INDICATOR STRIP (LOCATED IN (ATSC1)
		VEQL 56	B2/B0	HUB0 (LOCATED IN ATSC0)
		VEQL 53	B2/B3	HUB1 (LOCATED IN ATSC0)
		VEQL 11	B2/D0	CC-0 (LOCATED IN ACSC)
		VEQL 19	B2/D2	CC-1 (LOCATED IN ACSC)
		VEQL 68	B3/E1	MFFU (LOCATED IN ANTC0)
		VEQL 008	B3/C2	NT-0 (LOCATED IN ANTC0)
		VEQL 008	B3/E2	PDU-0 (LOCATED IN ANTC0)
		VEQL 012	B3/C4	NT-1 (LOCATED IN ANTC0)
		VEQL 012	B3/E4	PDU-1 (LOCATED IN ANTC0)
		VEQL 016	B3/C6	NT-2 (LOCATED IN ANTC0)
		VEQL 016	B3/E6	PDU-2 (LOCATED IN ANTC0)
		VEQL 020	B3/C8	NT-3 (LOCATED IN ANTC0)
		VEQL 020	B3/E8	PDU-3 (LOCATED IN ANTC0)
		VEQL 024	B4/C2	NT-4 (LOCATED IN ANTC0)
		VEQL 024	B4/E2	PDU-4 (LOCATED IN ANTC0)
		VEQL 028	B4/C4	NT-5 (LOCATED IN ANTC0)
		VEQL 028	B4/E4	PDU-5 (LOCATED IN ANTC0)
		VEQL 032	B4/C6	NT-6 (LOCATED IN ANTC0)
		VEQL 032	B4/E6	PDU-6 (LOCATED IN ANTC0)
		VEQL 036	B4/C8	NT-7 (LOCATED IN ANTC0)
		VEQL 036	B4/E8	PDU-7 (LOCATED IN ANTC0)
		VEQL 044	B5/C2	NT-8 (LOCATED IN ANTC0)
		VEQL 044	B5/E2	PDU-8 (LOCATED IN ANTC0)
		VEQL 048	B5/C4	NT-9 (LOCATED IN ANTC0)
		VEQL 048	B5/E4	PDU-9 (LOCATED IN ANTC0)
		VEQL 052	B5/C6	NT-10 (LOCATED IN ANTC0)
		VEQL 052	B5/E6	PDU-10 (LOCATED IN ANTC0)
		VEQL 056	B5/C8	NT-11 (LOCATED IN ANTC0)
		VEQL 056	B5/E8	PDU-11 (LOCATED IN ANTC0)
		VEQL 060	B6/C2	NT-12 (LOCATED IN ANTC0)
		VEQL 060	B6/E2	PDU-12 (LOCATED IN ANTC0)
		VEQL 064	B6/C4	NT-13 (LOCATED IN ANTC0)
		VEQL 064	B6/E4	PDU-13 (LOCATED IN ANTC0)

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE C2 | ISSUE 2

Lucent Technologies | SD-1S009-01 | SHEET C1

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER	
WP91768,L108	3	-48VDC	HUB (LOCATED IN ATSC0)	
WP92458,L13	15	-48VDC	TS (LOCATED IN ATSC0)	
WP91768,L108	3	-48VDC	NT (LOCATED IN ANTC)	

* BATTERY LEADS SHALL BE PAIRED WITH SIMILARY DESIGNATED GROUND LEADS UP TO THE FUSE PANEL

BATTERY SYMBOL	VOLTAGE RANGE
-48VDC	-42.75V TO -52.5V

VOLTAGE	DC CURRENT DRAINS IN AMPERES	

FUSE SELECTION MUST COMPLY WITH POWER CONSULTANT RECOMMENDATIONS. FOR SPECIAL APPLICATION FUSES IS AN APPROVAL FROM THE POWER CONSULTANT REQUIRED. THIS HAS ALSO AN IMPACT ON POWER DISTRIBUTION.

102.
THE ADVANTAGE TELECOM SERVER CABINET HAS BEEN DESIGNED FOR THE NOMINAL -48V DC SYSTEM VOLTAGE AND CONFORMS TO ETSI VOLTAGE REQUIREMENTS.

EQUIPMENT NOTES:

201.

ALL INTER CABINET CABLING IS COVERED IN; ED1S015-60, ED1S018-60, ED1S020-60 AND ED1S002-22.

INFORMATION NOTES:

301.

UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS.
CAPACITANCE VALUES ARE IN MICROFARADS.
VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.

302.

FEATURE OR OPTION	PROVIDE		
	APP FIG	APP OR WRG	QUANTITY

303.

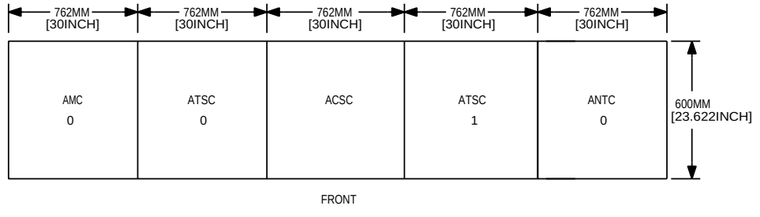
RECORD OF FIGURES, WIRING AND APPARATUS CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	SEE NOTE	USE IN CIRCUIT	
					AVAIL.	DA

304.

ALL CABINETS SHOULD ALLOW 914 MM [3 FEET] CLEARANCE IN THE FRONT OF THE CABINET AND 610 MM [2 FEET] CLEARANCE IN THE REAR OF THE CABINET.

305.

ANS FLOOR PLAN DATA



ALL CABINETS ARE 1829 MM [6 FEET] HIGH.

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE C2 | ISSUE 2

Lucent Technologies | SD-1S009-01 | SHEET D1

POWER CABLES (LOCATED IN ATSC0 -ATSC1)

CAD 1

HEQL 014A — (A-BUS) PWR — IN — HEQL PD6/SLOT11

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68
RCU (LOCATED IN ACSC) VEQL 63

CAD 2

HEQL 118A — (B-BUS) PWR — IN — HEQL PD7/SLOT13

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68
RCU (LOCATED IN ACSC) VEQL 63

CAD 3

HEQL 023A — (A-BUS) PWR — IN — HEQL PD8/SLOT15

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68
RCU (LOCATED IN ACSC) VEQL 63

CAD 4

HEQL 127A — (B-BUS) PWR — IN — HEQL PD9/SLOT17

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68
RCU (LOCATED IN ACSC) VEQL 63

CAD 5

HEQL 032A — (A-BUS) PWR — IN — HEQL PQ10/SLOT19

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68
RCU (LOCATED IN ACSC) VEQL 63

CAD 6

HEQL 014A — (A-BUS) PWR — IN — HEQL PD11/SLOT21

SD-5D190-01
MFFU (LOCATED IN ATSC1) VEQL 68
RCU (LOCATED IN ACSC) VEQL 63

CAD 7

HEQL 118A — (B-SIDE) PWR — IN — HEQL PD12/SLOT23

SD-5D190-01
MFFU (LOCATED IN ATSC1) VEQL 68
RCU (LOCATED IN ACSC) VEQL 63

CAD 8

HEQL 023A — (A-BUS) PWR — IN — HEQL PD13/SLOT25

SD-5D190-01
MFFU (LOCATED IN ATSC1) VEQL 68
RCU (LOCATED IN ACSC) VEQL 63

CAD 9

HEQL 127A — (B-SIDE) PWR — IN — HEQL PD14/SLOT27

SD-5D190-01
MFFU (LOCATED IN ATSC1) VEQL 68
RCU (LOCATED IN ACSC) VEQL 63

CAD 10

HEQL 032A — (A-BUS) PWR — IN — HEQL PD15/SLOT29

SD-5D190-01
MFFU (LOCATED IN ATSC1) VEQL 68
RCU (LOCATED IN ACSC) VEQL 63

CAD 11

HEQL 041A — (A-BUS) PWR — -48V

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68
HUB0 (LOCATED IN ATSC0) VEQL 53

CAD 12

HEQL 141A — (B-BUS) PWR — -48V

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68
HUB1 (LOCATED IN ATSC0) VEQL 56

CAD 13

HEQL PD6/SLOT11 — OUT — -48V

OUTSIDE VENDOR
RCU (LOCATED IN ACSC) VEQL 63
TS0 (LOCATED IN ATSC0) VEQL 11

CAD 14

HEQL PD7/SLOT13 — OUT — -48V

OUTSIDE VENDOR
RCU (LOCATED IN ACSC) VEQL 63
TS1 (LOCATED IN ATSC0) VEQL 20

CAD 15

HEQL PD8/SLOT15 — OUT — -48V

OUTSIDE VENDOR
RCU (LOCATED IN ACSC) VEQL 63
TS2 (LOCATED IN ATSC0) VEQL 29

CAD 16

HEQL PD9/SLOT17 — OUT — -48V

OUTSIDE VENDOR
RCU (LOCATED IN ACSC) VEQL 63
TS3 (LOCATED IN ATSC0) VEQL 38

CAD 17

HEQL PQ10/SLOT19 — OUT — -48V

OUTSIDE VENDOR
RCU (LOCATED IN ACSC) VEQL 63
TS4 (LOCATED IN ATSC0) VEQL 47

CAD 18

HEQL PD11/SLOT21 — OUT — -48V

OUTSIDE VENDOR
RCU (LOCATED IN ATSC1) VEQL 63
TS5 (LOCATED IN ACSC) VEQL 11

CAD 19

HEQL PD12/SLOT23 — OUT — -48V

OUTSIDE VENDOR
RCU (LOCATED IN ATSC1) VEQL 63
TS6 (LOCATED IN ACSC) VEQL 20

CAD 20

HEQL PD13/SLOT25 — OUT — -48V

OUTSIDE VENDOR
RCU (LOCATED IN ATSC1) VEQL 63
TS7 (LOCATED IN ACSC) VEQL 29

CAD 21

HEQL PD14/SLOT27 — OUT — -48V

OUTSIDE VENDOR
RCU (LOCATED IN ATSC1) VEQL 63
TS8 (LOCATED IN ACSC) VEQL 38

CAD 22

HEQL PD15/SLOT29 — OUT — -48V

OUTSIDE VENDOR
RCU (LOCATED IN ATSC1) VEQL 63
TS9 (LOCATED IN ACSC) VEQL 47

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ADVANCED NETWORK SERVICES ADVANTAGE TELECOM SERVER CIRCUIT	DWG SIZE C2	ISSUE 2
Lucent Technologies	SD-1S009-01	SHEET G1

```
ISA       = INDUSTRY STANDARD ARCHITECTURE
ISS       = ISSUE
LED       = LIGHT EMITTING DIODE
MFFU      = MODULAIR FUSE FILTER UNIT
NC        = NOT CONNECTED
NT        = NETWORK TERMINATION
NTI       = NETWORK TERMINATION INTERFACE
OV        = OUTSIDE VENDOR
PD        = POWER DOG
PDU       = POWER DISTRIBUTION UNIT
RCC       = RELIABLE CLUSTER COMPUTING
RCU       = RCC CONTROL UNIT
REF       = REFERENCE
RTN       = RETURN
SD        = SCHEMATIC DRAWING
SYMLOC    = SYMBOL LOCATION
TRMNO     = TERMINAL NUMBER
TS        = TELECOM SERVER
VEQL      = VERTICAL EQUIPMENT LOCATION
WRG       = WIRING
5ESS      = 5TH GENERATION ELECTRONIC SWITCHING SYSTEMS
```

RS232 HEARTBEAT MONITORING CABLES

CAD23

HEQL COM-2 → TS0 (LOCATED IN ATSC0) VEQL 11 — J11 — RCU (LOCATED IN ACSC) VEQL 63 → HEQL 011

CAD24

HEQL COM-2 → TS1 (LOCATED IN ATSC0) VEQL 20 — J13 — RCU (LOCATED IN ACSC) VEQL 63 → HEQL 013

CAD25

HEQL COM-2 → TS2 (LOCATED IN ATSC0) VEQL 29 — J15 — RCU (LOCATED IN ACSC) VEQL 63 → HEQL 015

CAD26

HEQL COM-2 → TS3 (LOCATED IN ATSC0) VEQL 38 — J17 — RCU (LOCATED IN ACSC) VEQL 63 → HEQL 017

CAD27

HEQL COM-2 → TS4 (LOCATED IN ATSC0) VEQL 47 — J19 — RCU (LOCATED IN ACSC) VEQL 63 → HEQL 019

CAD28

HEQL COM-2 → TS5 (LOCATED IN ATSC1) VEQL 11 — J21 — RCU (LOCATED IN ACSC) VEQL 63 → HEQL 021

CAD29

HEQL COM-2 → TS6 (LOCATED IN ATSC1) VEQL 20 — J23 — RCU (LOCATED IN ACSC) VEQL 63 → HEQL 023

CAD30

HEQL COM-2 → TS7 (LOCATED IN ATSC1) VEQL 29 — J25 — RCU (LOCATED IN ACSC) VEQL 63 → HEQL 025

CAD31

HEQL COM-2 → TS8 (LOCATED IN ATSC1) VEQL 38 — J27 — RCU (LOCATED IN ACSC) VEQL 63 → HEQL 027

CAD32

HEQL COM-2 → TS9 (LOCATED IN ATSC1) VEQL 47 — J29 — RCU (LOCATED IN ACSC) VEQL 63 → HEQL 029

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ADVANCED NETWORK SERVICES ADVANTAGE TELECOM SERVER CIRCUIT	DWG SIZE C2	ISSUE 2
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RS232 INTERFACE CABLES

CAD33

HEQL COM-1 → TS0 (LOCATED IN ATSC0) VEQL 11 — OUT0 (LOCATED IN ACSC) RCU VEQL 63 → HEQL 014

CAD34

HEQL COM-1 → TS1 (LOCATED IN ATSC0) VEQL 20 — OUT0 (LOCATED IN ACSC) RCU VEQL 63 → HEQL 018

CAD35

HEQL COM-1 → TS2 (LOCATED IN ATSC0) VEQL 29 — OUT1 (LOCATED IN ACSC) RCU VEQL 63 → HEQL 014

CAD36

HEQL COM-1 → TS3 (LOCATED IN ATSC0) VEQL 38 — OUT1 (LOCATED IN ACSC) RCU VEQL 63 → HEQL 018

CAD37

HEQL COM-1 → TS4 (LOCATED IN ATSC0) VEQL 47 — OUT0 (LOCATED IN ACSC) RCU VEQL 63 → HEQL 006

CAD38

HEQL COM-1 → TS5 (LOCATED IN ATSC1) VEQL 11 — OUT2 (LOCATED IN ACSC) RCU VEQL 63 → HEQL 014

CAD39

HEQL COM-1 → TS6 (LOCATED IN ATSC1) VEQL 20 — OUT2 (LOCATED IN ACSC) RCU VEQL 63 → HEQL 018

CAD40

HEQL COM-1 → TS7 (LOCATED IN ATSC1) VEQL 29 — OUT3 (LOCATED IN ACSC) RCU VEQL 63 → HEQL 014

CAD41

HEQL COM-1 → TS8 (LOCATED IN ATSC1) VEQL 38 — OUT3 (LOCATED IN ACSC) RCU VEQL 63 → HEQL 018

CAD42

HEQL COM-1 → TS9 (LOCATED IN ATSC1) VEQL 47 — OUT0 (LOCATED IN ACSC) RCU VEQL 63 → HEQL 010

NOTE;

1. CAD23 THRU CAD32 REPRESENTS THE "RS232 HEARTBEAT MONITORING" CONNECTIONS BETWEEN THE TS'S AND THE RCU.

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ADVANCED NETWORK SERVICES ADVANTAGE TELECOM SERVER CIRCUIT	DWG SIZE C2	ISSUE 2
Lucent Technologies	SD-1S009-01	SHEET G3

100MB ETHERNET CABLES

CAD43

PORT 3 — HUB0 (LOCATED IN ATSC0) VEQL 53 — TS0 (LOCATED IN ATSC0) VEQL 11 — HEQL PCI 0

CAD44

PORT 4 — HUB0 (LOCATED IN ATSC0) VEQL 53 — TS1 (LOCATED IN ATSC0) VEQL 20 — HEQL PCI 0

CAD45

PORT 5 — HUB0 (LOCATED IN ATSC0) VEQL 53 — TS2 (LOCATED IN ATSC0) VEQL 29 — HEQL PCI 0

CAD46

PORT 6 — HUB0 (LOCATED IN ATSC0) VEQL 53 — TS3 (LOCATED IN ATSC0) VEQL 38 — HEQL PCI 0

CAD47

PORT 7 — HUB0 (LOCATED IN ATSC0) VEQL 53 — TS4 (LOCATED IN ATSC0) VEQL 47 — HEQL PCI 0

CAD48

PORT 8 — HUB0 (LOCATED IN ATSC0) VEQL 53 — TS5 (LOCATED IN ATSC1) VEQL 11 — HEQL PCI 0

CAD49

PORT 9 — HUB0 (LOCATED IN ATSC0) VEQL 53 — TS6 (LOCATED IN ATSC1) VEQL 20 — HEQL PCI 0

CAD50

PORT 10 — HUB0 (LOCATED IN ATSC0) VEQL 53 — TS7 (LOCATED IN ATSC1) VEQL 29 — HEQL PCI 0

CAD51

PORT 11 — HUB0 (LOCATED IN ATSC0) VEQL 53 — TS8 (LOCATED IN ATSC1) VEQL 38 — HEQL PCI 0

CAD52

PORT 12 — HUB0 (LOCATED IN ATSC0) VEQL 53 — TS9 (LOCATED IN ATSC1) VEQL 47 — HEQL PCI 0

CAD53

PORT 1 — HUB0 (LOCATED IN ATSC0) VEQL 53 — CC0 (LOCATED IN ACSC) VEQL 11 — HEQL EISA/ISA/2

CAD54

PORT 2 — HUB0 (LOCATED IN ATSC0) VEQL 53 — CC1 (LOCATED IN ACSC) VEQL 19 — HEQL EISA/ISA/2

CAD55

PORT 3 — HUB1 (LOCATED IN ATSC0) VEQL 56 — TS0 (LOCATED IN ATSC0) VEQL 11 — HEQL PCI 1

CAD56

PORT 4 — HUB1 (LOCATED IN ATSC0) VEQL 56 — TS1 (LOCATED IN ATSC0) VEQL 20 — HEQL PCI 1

CAD57

PORT 5 — HUB1 (LOCATED IN ATSC0) VEQL 56 — TS2 (LOCATED IN ATSC0) VEQL 29 — HEQL PCI 1

CAD58

PORT 6 — HUB1 (LOCATED IN ATSC0) VEQL 56 — TS3 (LOCATED IN ATSC0) VEQL 38 — HEQL PCI 1

CAD59

PORT 7 — HUB1 (LOCATED IN ATSC0) VEQL 56 — TS4 (LOCATED IN ATSC0) VEQL 47 — HEQL PCI 1

CAD60

PORT 8 — OUT2 — HUB1 (LOCATED IN ATSC0) VEQL 56 — TS5 (LOCATED IN ATSC1) VEQL 11 — HEQL PCI 1

CAD61

PORT 9 — OUT2 — HUB1 (LOCATED IN ATSC0) VEQL 56 — TS6 (LOCATED IN ATSC1) VEQL 20 — HEQL PCI 1

CAD62

PORT 10 — OUT3 — HUB1 (LOCATED IN ATSC0) VEQL 56 — TS7 (LOCATED IN ATSC1) VEQL 29 — HEQL PCI 1

CAD63

PORT 11 — OUT3 — HUB1 (LOCATED IN ATSC0) VEQL 56 — TS8 (LOCATED IN ATSC1) VEQL 38 — HEQL PCI 1

CAD64

PORT 12 — OUT0 — HUB1 (LOCATED IN ATSC0) VEQL 56 — TS9 (LOCATED IN ATSC1) VEQL 47 — HEQL PCI 1

CAD65

PORT 1 — HUB1 (LOCATED IN ATSC0) VEQL 56 — CC0 (LOCATED IN ACSC) VEQL 11 — HEQL EISA/ISA/3

CAD66

PORT 2 — HUB1 (LOCATED IN ATSC0) VEQL 56 — CC1 (LOCATED IN ACSC) VEQL 19 — HEQL EISA/ISA/3

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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ALARM CABLES (LOCATED IN ATSC0 - ATSC1)

CAD67

HEQL 098 — 103 ⟷ – — CH-5

SD-5D190-01
MFFU (LOCATED IN ATSC0)
VEQL 68

CC-1 (LOCATED IN ACSC)
VEQL 19

CAD68

HEQL 098 — 112/117 ⟷ + — CH-5

SD-5D190-01
MFFU (LOCATED IN ATSC0)
VEQL 68

CC-1 (LOCATED IN ACSC)
VEQL 19

CAD69

HEQL 098 — 000 ⟷ 1

SD-5D190-01
MFFU (LOCATED IN ATSC0)
VEQL 68

FRONT INDICATOR STRIP
(LOCATED IN ATSC0)

CAD70

HEQL 098 — 001 ⟷ 2

SD-5D190-01
MFFU (LOCATED IN ATSC0)
VEQL 68

FRONT INDICATOR STRIP
(LOCATED IN ATSC0)

CAD71

HEQL 098 — 103 ⟷ – — CH-6

SD-5D190-01
MFFU (LOCATED IN ATSC1)
VEQL 68

CC-1 (LOCATED IN ACSC)
VEQL 19

CAD72

HEQL 098 — 112/117 ⟷ + — CH-6

SD-5D190-01
MFFU (LOCATED IN ATSC1)
VEQL 68

CC-1 (LOCATED IN ACSC)
VEQL 19

CAD73

HEQL 098 — 000 ⟷ 1

SD-5D190-01
MFFU (LOCATED IN ATSC1)
VEQL 68

FRONT INDICATOR STRIP
(LOCATED IN ATSC1)

CAD74

HEQL 098 — 001 ⟷ 2

SD-5D190-01
MFFU (LOCATED IN ATSC1)
VEQL 68

FRONT INDICATOR STRIP
(LOCATED IN ATSC1)

CAD127

CH-5 — – ⟷ – — CH-5

CC-0 (LOCATED IN ACSC)
VEQL 11

CC-1 (LOCATED IN ACSC)
VEQL 19

CAD128

CH-5 — + ⟷ + — CH-5

CC-0 (LOCATED IN ACSC)
VEQL 11

CC-1 (LOCATED IN ACSC)
VEQL 19

CAD129

CH-6 — – ⟷ – — CH-6

CC-0 (LOCATED IN ACSC)
VEQL 11

CC-1 (LOCATED IN ACSC)
VEQL 19

CAD130

CH-6 — + ⟷ + — CH-6

CC-0 (LOCATED IN ACSC)
VEQL 11

CC-1 (LOCATED IN ACSC)
VEQL 19

ALARM CABLES (LOCATED IN ANTC0)

CAD 123

HEQL 098 — 103 ⟷ 007 — HEQL 098

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

CAD 124

HEQL 098 — 106 ⟷ 104 — HEQL 098

SD-5D190-01
MFFU (LOCATED IN ATSC0)
VEQL 68

SD-5D190-01
MFFU (LOCATED IN ATSC0)
VEQL 68

CAD 125

HEQL 098 — 106 ⟷ 007 — HEQL 098

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

SD-5D190-01
MFFU (LOCATED IN ATSC0)
VEQL 68

CAD 126

HEQL 098 — 106 ⟷ 104 — HEQL 098

SD-5D190-01
MFFU (LOCATED IN ATSC1)
VEQL 68

SD-5D190-01
MFFU (LOCATED IN ATSC1)
VEQL 68

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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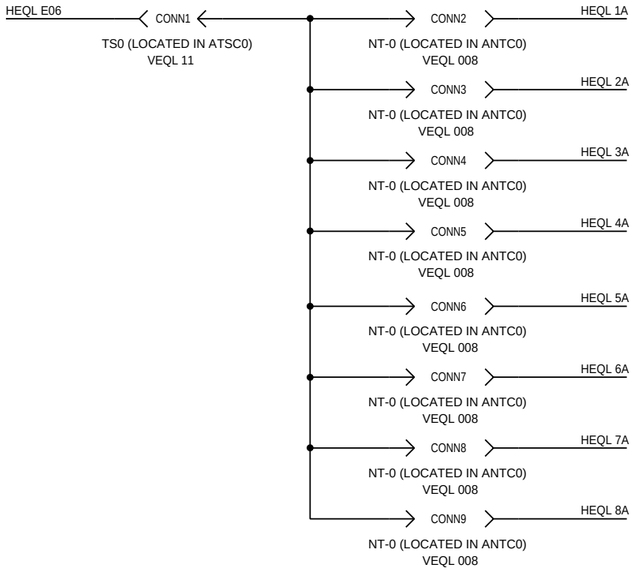
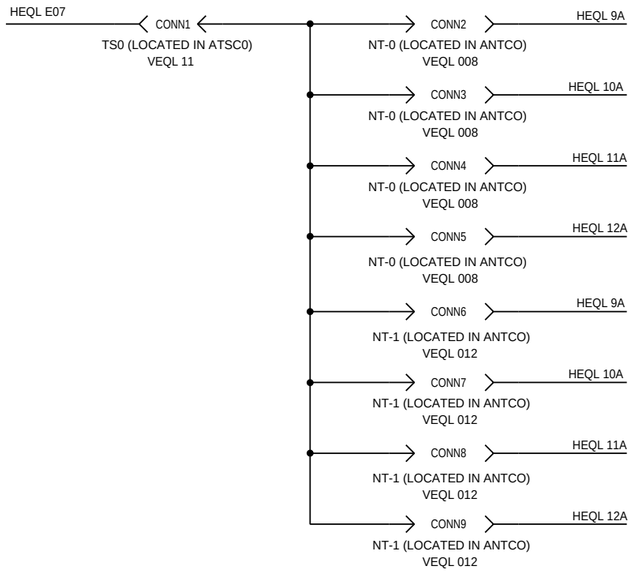
T-INTERFACE CABLES

CAD 75



CAD 76



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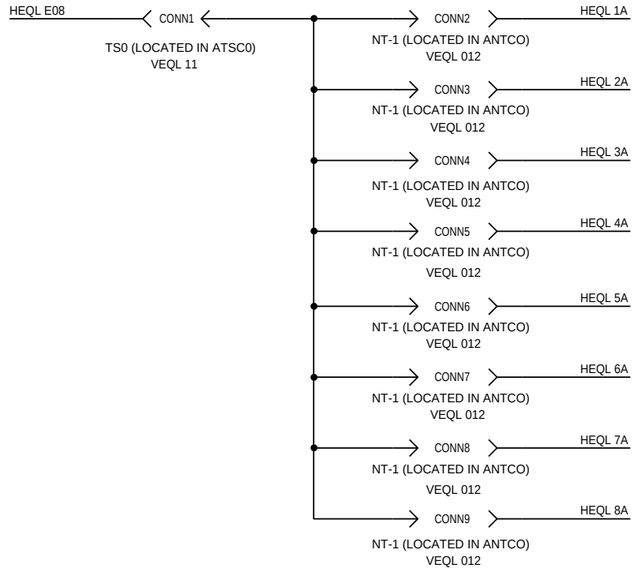
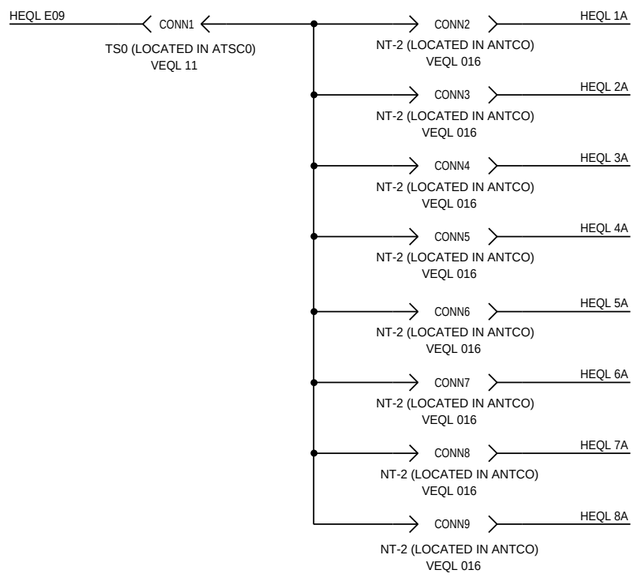
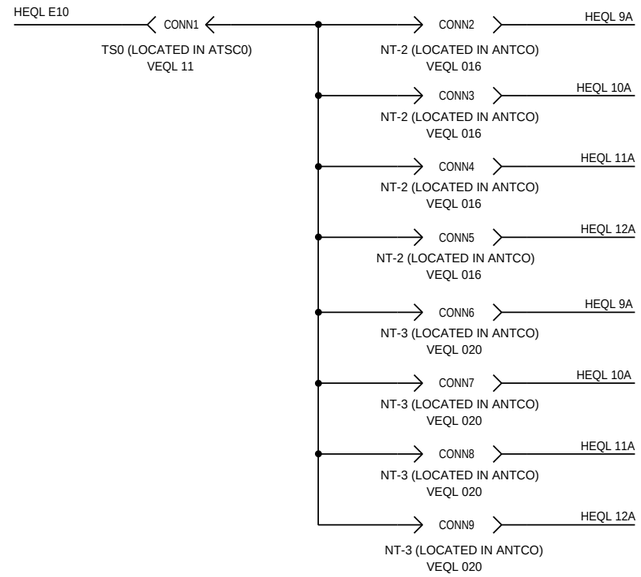


CAD 78



CAD 79



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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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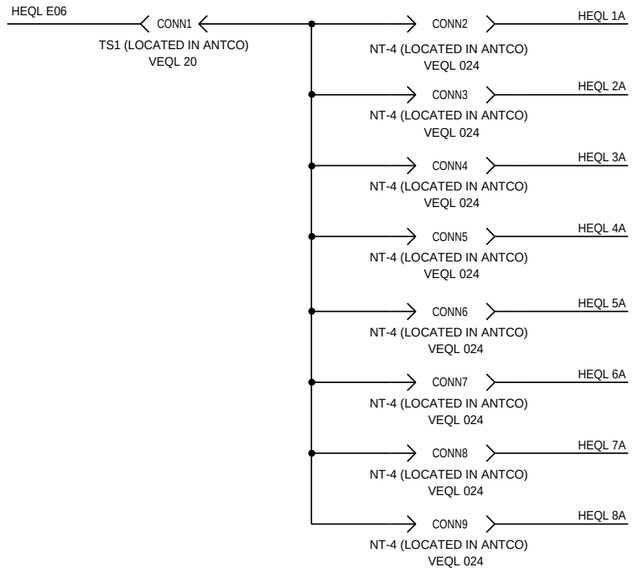
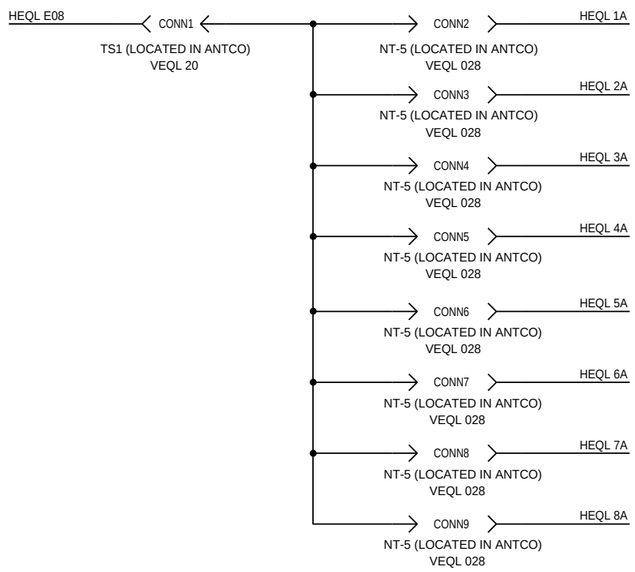
T-INTERFACE CABLES

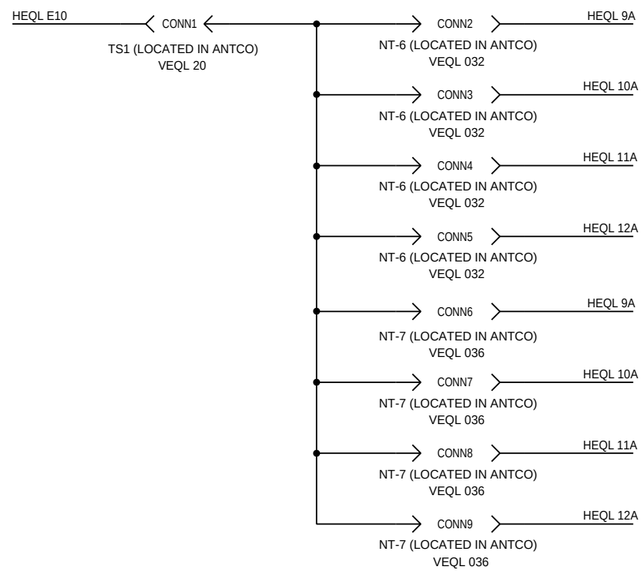
CAD 80



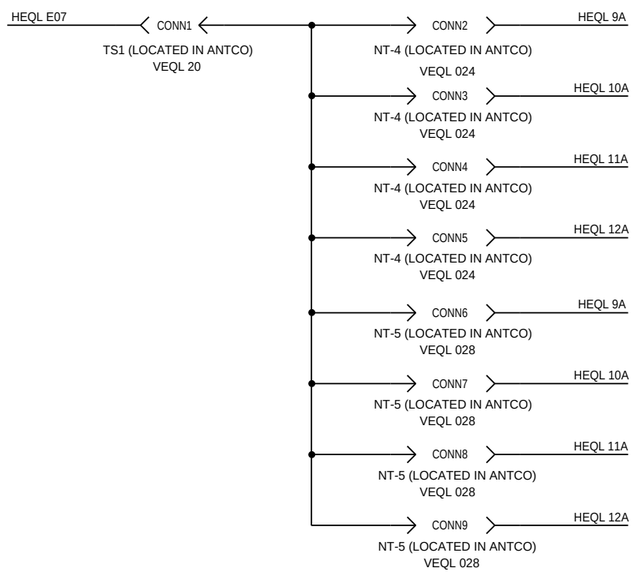
CAD 82



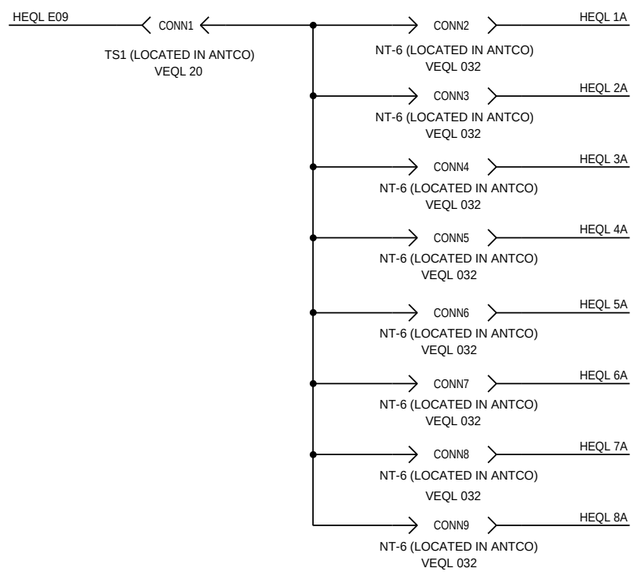
CAD 84



CAD 81



CAD 83



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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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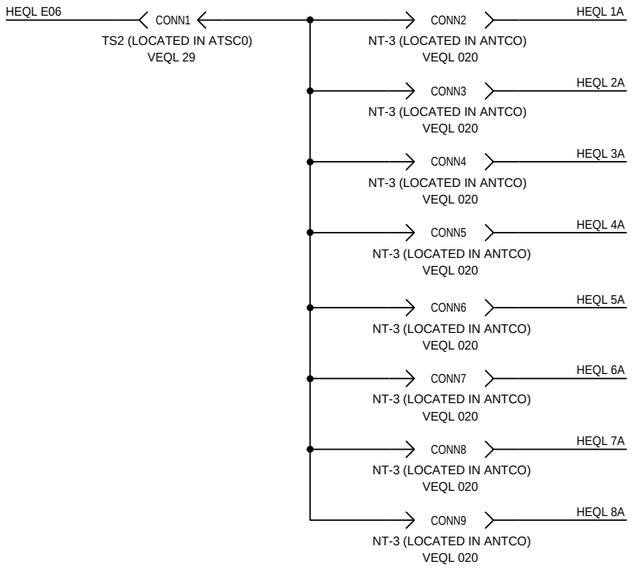
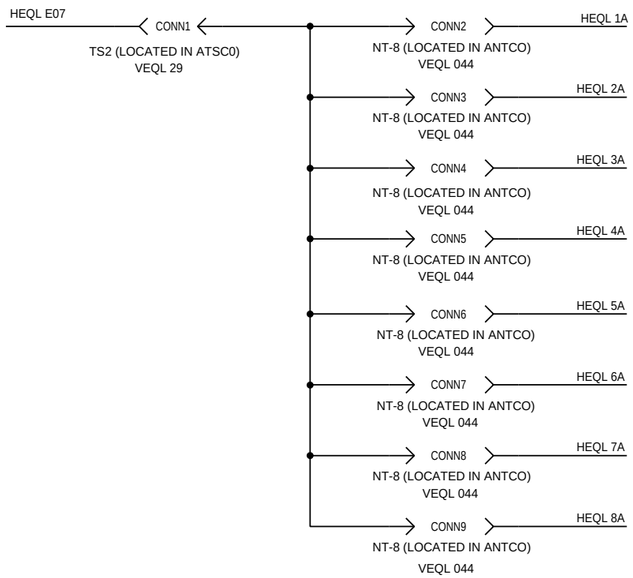
T-INTERFACE CABLES

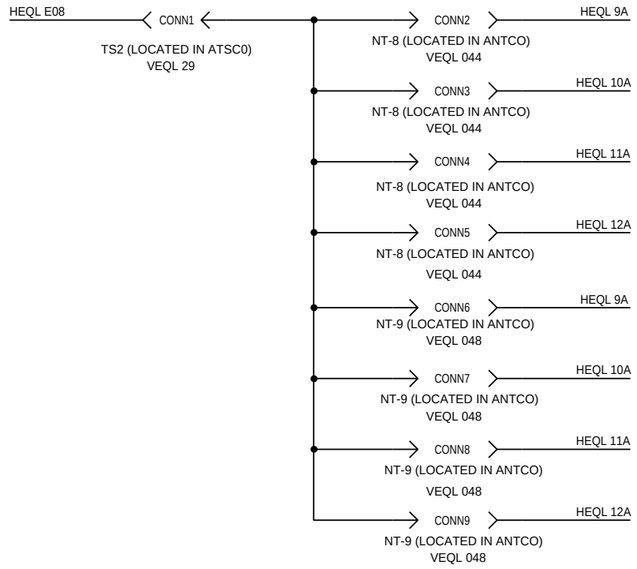
CAD 85



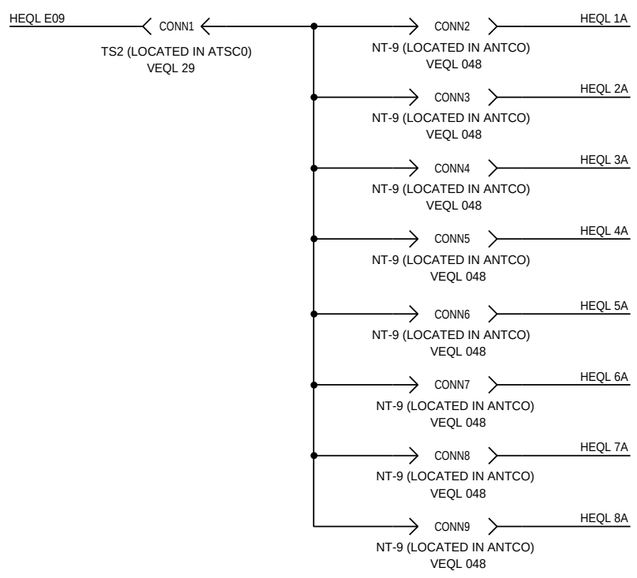
CAD 86



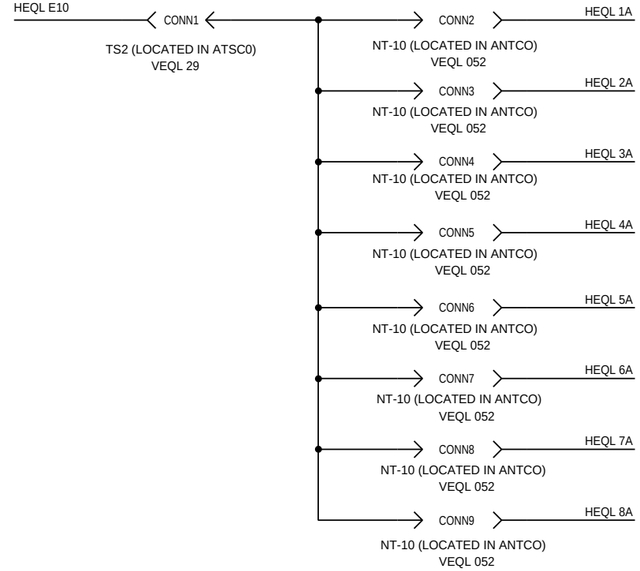
CAD 87



CAD 88



CAD 89



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ADVANCED NETWORK SERVICES ADVANTAGE TELECOM SERVER CIRCUIT		DWG SIZE C2	ISSUE 2
Lucent Technologies	SD-1S009-01		SHEET G8

T-INTERFACE CABLES

CAD 90

HEQL E06 — CONN1 — TS3 (LOCATED IN ATSC0) VEQL 38

CONN2	NT-7 (LOCATED IN ANTCO) VEQL 036	HEQL 1A
CONN3	NT-7 (LOCATED IN ANTCO) VEQL 036	HEQL 2A
CONN4	NT-7 (LOCATED IN ANTCO) VEQL 036	HEQL 3A
CONN5	NT-7 (LOCATED IN ANTCO) VEQL 036	HEQL 4A
CONN6	NT-7 (LOCATED IN ANTCO) VEQL 036	HEQL 5A
CONN7	NT-7 (LOCATED IN ANTCO) VEQL 036	HEQL 6A
CONN8	NT-7 (LOCATED IN ANTCO) VEQL 036	HEQL 7A
CONN9	NT-7 (LOCATED IN ANTCO) VEQL 036	HEQL 8A

CAD 91

HEQL E07 — CONN1 — TS3 (LOCATED IN ATSC0) VEQL 38

CONN2	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 1A
CONN3	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 2A
CONN4	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 3A
CONN5	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 4A
CONN6	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 5A
CONN7	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 6A
CONN8	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 7A
CONN9	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 8A

CAD 92

HEQL E08 — CONN1 — TS3 (LOCATED IN ATSC0) VEQL 38

CONN2	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 9A
CONN3	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 10A
CONN4	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 11A
CONN5	NT-11 (LOCATED IN ANTCO) VEQL 056	HEQL 12A
CONN6	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 9A
CONN7	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 10A
CONN8	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 11A
CONN9	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 12A

CAD 93

HEQL E09 — CONN1 — TS3 (LOCATED IN ATSC0) VEQL 38

CONN2	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 1A
CONN3	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 2A
CONN4	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 3A
CONN5	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 4A
CONN6	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 5A
CONN7	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 6A
CONN8	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 7A
CONN9	NT-12 (LOCATED IN ANTCO) VEQL 060	HEQL 8A

CAD 94

HEQL E10 — CONN1 — TS3 (LOCATED IN ATSC0) VEQL 38

CONN2	NT-13 (LOCATED IN ANTCO) VEQL 064	HEQL 1A
CONN3	NT-13 (LOCATED IN ANTCO) VEQL 064	HEQL 2A
CONN4	NT-13 (LOCATED IN ANTCO) VEQL 064	HEQL 3A
CONN5	NT-13 (LOCATED IN ANTCO) VEQL 064	HEQL 4A
CONN6	NT-13 (LOCATED IN ANTCO) VEQL 064	HEQL 5A
CONN7	NT-13 (LOCATED IN ANTCO) VEQL 064	HEQL 6A
CONN8	NT-13 (LOCATED IN ANTCO) VEQL 064	HEQL 7A
CONN9	NT-13 (LOCATED IN ANTCO) VEQL 064	HEQL 8A

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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POWER DISTRIBUTION CABLES

CAD 95

HEQL POWER
NT-0 (LOCATED IN ANTC0)
VEQL 008

- HEQL 1 NC — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 2 NC — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 3 NC — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 4 NC — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 5 NC — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 6 NC — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 7 NC — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 8 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 9 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 10 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 11 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 12 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 13 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 14 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 15 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 16 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 17 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 18 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 19 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 20 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 21 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 22 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 23 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 24 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 25 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 26 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 27 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 28 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 29 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 30 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 31 — PDU-0 (LOCATED IN ANTCO) VEQL 008
- HEQL 32 — PDU-0 (LOCATED IN ANTCO) VEQL 008

CAD 96

HEQL POWER
NT-1 (LOCATED IN ANTC0)
VEQL 012

- HEQL 1 NC — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 2 NC — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 3 NC — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 4 NC — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 5 NC — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 6 NC — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 7 NC — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 8 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 9 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 10 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 11 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 12 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 13 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 14 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 15 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 16 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 17 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 18 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 19 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 20 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 21 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 22 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 23 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 24 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 25 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 26 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 27 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 28 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 29 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 30 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 31 — PDU-1 (LOCATED IN ANTC0) VEQL 012
- HEQL 32 — PDU-1 (LOCATED IN ANTC0) VEQL 012

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ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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POWER DISTRIBUTION CABLES

CAD 97

HEQL POWER
NT-2 (LOCATED IN ANTC0)
VEQL 016

- HEQL 1 NC — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 2 NC — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 3 NC — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 4 NC — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 5 NC — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 6 NC — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 7 NC — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 8 — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 9 — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 10 — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 11 — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 12 — PDU-2 (LOCATED IN ANTC0) VEQL 016
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- HEQL 14 — PDU-2 (LOCATED IN ANTC0) VEQL 016
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- HEQL 30 — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 31 — PDU-2 (LOCATED IN ANTC0) VEQL 016
- HEQL 32 — PDU-2 (LOCATED IN ANTC0) VEQL 016

CAD 98

HEQL POWER
NT-3 (LOCATED IN ANTC0)
VEQL 020

- HEQL 1 NC — PDU-3 (LOCATED IN ANTC0) VEQL 020
- HEQL 2 NC — PDU-3 (LOCATED IN ANTC0) VEQL 020
- HEQL 3 NC — PDU-3 (LOCATED IN ANTC0) VEQL 020
- HEQL 4 NC — PDU-3 (LOCATED IN ANTC0) VEQL 020
- HEQL 5 NC — PDU-3 (LOCATED IN ANTC0) VEQL 020
- HEQL 6 NC — PDU-3 (LOCATED IN ANTC0) VEQL 020
- HEQL 7 NC — PDU-3 (LOCATED IN ANTC0) VEQL 020
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- HEQL 30 — PDU-3 (LOCATED IN ANTC0) VEQL 020
- HEQL 31 — PDU-3 (LOCATED IN ANTC0) VEQL 020
- HEQL 32 — PDU-3 (LOCATED IN ANTC0) VEQL 020

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DWG SIZE	ISSUE
C2	2

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CAD 99

HEQL POWER

NT-4 (LOCATED IN ANTC0)
VEQL 024

PDU-4 (LOCATED IN ANTC0)
VEQL 024

- HEQL 1 NC
- HEQL 2 NC
- HEQL 3 NC
- HEQL 4 NC
- HEQL 5 NC
- HEQL 6 NC
- HEQL 7 NC
- HEQL 8
- HEQL 9
- HEQL 10
- HEQL 11
- HEQL 12
- HEQL 13
- HEQL 14
- HEQL 15
- HEQL 16
- HEQL 17
- HEQL 18
- HEQL 19
- HEQL 20
- HEQL 21
- HEQL 22
- HEQL 23
- HEQL 24
- HEQL 25
- HEQL 26
- HEQL 27
- HEQL 28
- HEQL 29
- HEQL 30
- HEQL 31
- HEQL 32

CAD 100

HEQL POWER

NT-5 (LOCATED IN ANTC0)
VEQL 028

PDU-5 (LOCATED IN ANTC0)
VEQL 028

- HEQL 1 NC
- HEQL 2 NC
- HEQL 3 NC
- HEQL 4 NC
- HEQL 5 NC
- HEQL 6 NC
- HEQL 7 NC
- HEQL 8
- HEQL 9
- HEQL 10
- HEQL 11
- HEQL 12
- HEQL 13
- HEQL 14
- HEQL 15
- HEQL 16
- HEQL 17
- HEQL 18
- HEQL 19
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- HEQL 24
- HEQL 25
- HEQL 26
- HEQL 27
- HEQL 28
- HEQL 29
- HEQL 30
- HEQL 31
- HEQL 32

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DWG SIZE	ISSUE
C2	2

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POWER DISTRIBUTION CABLES

CAD 101

HEQL POWER

NT-6 (LOCATED IN ANTC0)
VEQL 032

- HEQL 1 NC — PDU-6 (LOCATED IN ANTC0) VEQL 032
- HEQL 2 NC — PDU-6 (LOCATED IN ANTC0) VEQL 032
- HEQL 3 NC — PDU-6 (LOCATED IN ANTC0) VEQL 032
- HEQL 4 NC — PDU-6 (LOCATED IN ANTC0) VEQL 032
- HEQL 5 NC — PDU-6 (LOCATED IN ANTC0) VEQL 032
- HEQL 6 NC — PDU-6 (LOCATED IN ANTC0) VEQL 032
- HEQL 7 NC — PDU-6 (LOCATED IN ANTC0) VEQL 032
- HEQL 8 — PDU-6 (LOCATED IN ANTC0) VEQL 032
- HEQL 9 — PDU-6 (LOCATED IN ANTC0) VEQL 032
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- HEQL 31 — PDU-6 (LOCATED IN ANTC0) VEQL 032
- HEQL 32 — PDU-6 (LOCATED IN ANTC0) VEQL 032

CAD 102

HEQL POWER

NT-7 (LOCATED IN ANTC0)
VEQL 036

- HEQL 1 NC — PDU-7 (LOCATED IN ANTC0) VEQL 036
- HEQL 2 NC — PDU-7 (LOCATED IN ANTC0) VEQL 036
- HEQL 3 NC — PDU-7 (LOCATED IN ANTC0) VEQL 036
- HEQL 4 NC — PDU-7 (LOCATED IN ANTC0) VEQL 036
- HEQL 5 NC — PDU-7 (LOCATED IN ANTC0) VEQL 040
- HEQL 6 NC — PDU-7 (LOCATED IN ANTC0) VEQL 036
- HEQL 7 NC — PDU-7 (LOCATED IN ANTC0) VEQL 036
- HEQL 8 — PDU-7 (LOCATED IN ANTC0) VEQL 036
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- HEQL 30 — PDU-7 (LOCATED IN ANTC0) VEQL 036
- HEQL 31 — PDU-7 (LOCATED IN ANTC0) VEQL 036
- HEQL 32 — PDU-7 (LOCATED IN ANTC0) VEQL 036

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DWG SIZE	ISSUE
C2	2

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POWER DISTRIBUTION CABLES

CAD 103

HEQL POWER

NT-8 (LOCATED IN ANTC0)
VEQL 044

- HEQL 1 NC — PDU-8 (LOCATED IN ANTC0) VEQL 044
- HEQL 2 NC — PDU-8 (LOCATED IN ANTC0) VEQL 044
- HEQL 3 NC — PDU-8 (LOCATED IN ANTC0) VEQL 044
- HEQL 4 NC — PDU-8 (LOCATED IN ANTC0) VEQL 044
- HEQL 5 NC — PDU-8 (LOCATED IN ANTC0) VEQL 044
- HEQL 6 NC — PDU-8 (LOCATED IN ANTC0) VEQL 044
- HEQL 7 NC — PDU-8 (LOCATED IN ANTC0) VEQL 044
- HEQL 8 — PDU-8 (LOCATED IN ANTC0) VEQL 044
- HEQL 9 — PDU-8 (LOCATED IN ANTC0) VEQL 044
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- HEQL 30 — PDU-8 (LOCATED IN ANTC0) VEQL 044
- HEQL 31 — PDU-8 (LOCATED IN ANTC0) VEQL 044
- HEQL 32 — PDU-8 (LOCATED IN ANTC0) VEQL 044

CAD 104

HEQL POWER

NT-9 (LOCATED IN ANTC0)
VEQL 048

- HEQL 1 NC — PDU-9 (LOCATED IN ANTC0) VEQL 048
- HEQL 2 NC — PDU-9 (LOCATED IN ANTC0) VEQL 048
- HEQL 3 NC — PDU-9 (LOCATED IN ANTC0) VEQL 048
- HEQL 4 NC — PDU-9 (LOCATED IN ANTC0) VEQL 048
- HEQL 5 NC — PDU-9 (LOCATED IN ANTC0) VEQL 048
- HEQL 6 NC — PDU-9 (LOCATED IN ANTC0) VEQL 048
- HEQL 7 NC — PDU-9 (LOCATED IN ANTC0) VEQL 048
- HEQL 8 — PDU-9 (LOCATED IN ANTC0) VEQL 048
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- HEQL 31 — PDU-9 (LOCATED IN ANTC0) VEQL 048
- HEQL 32 — PDU-9 (LOCATED IN ANTC0) VEQL 048

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DWG SIZE	ISSUE
C2	2

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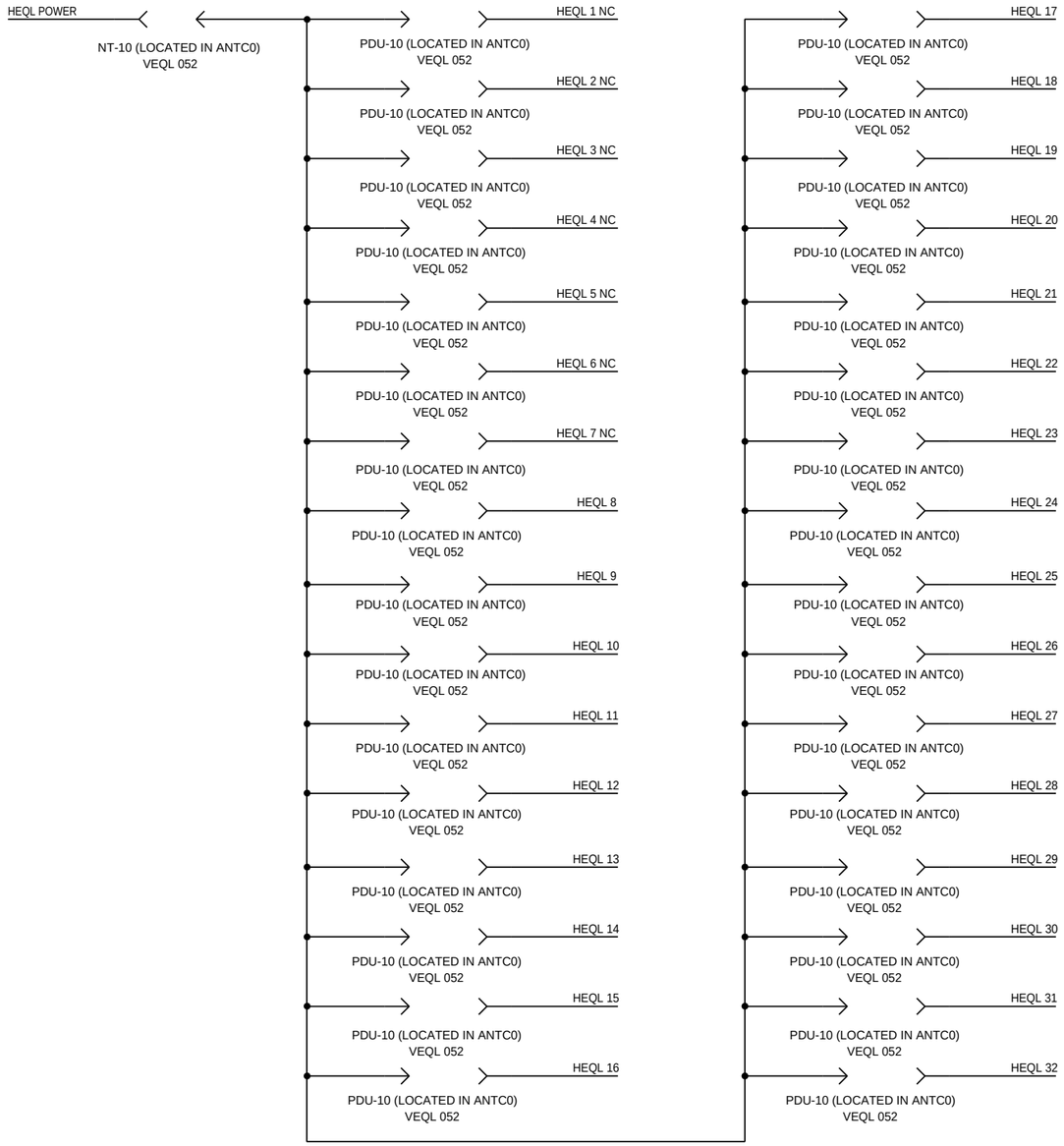
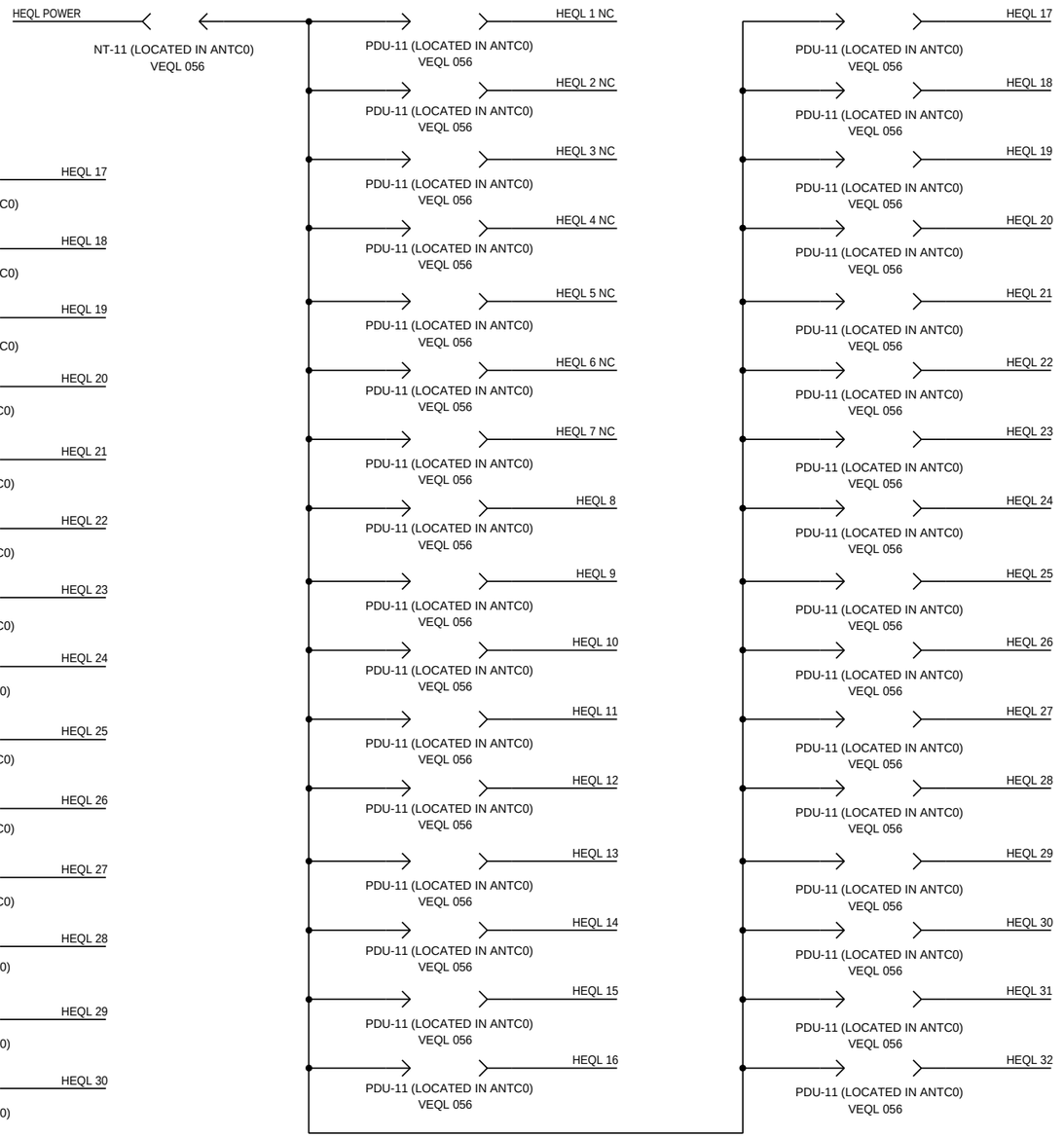
CAD 105



CAD 106



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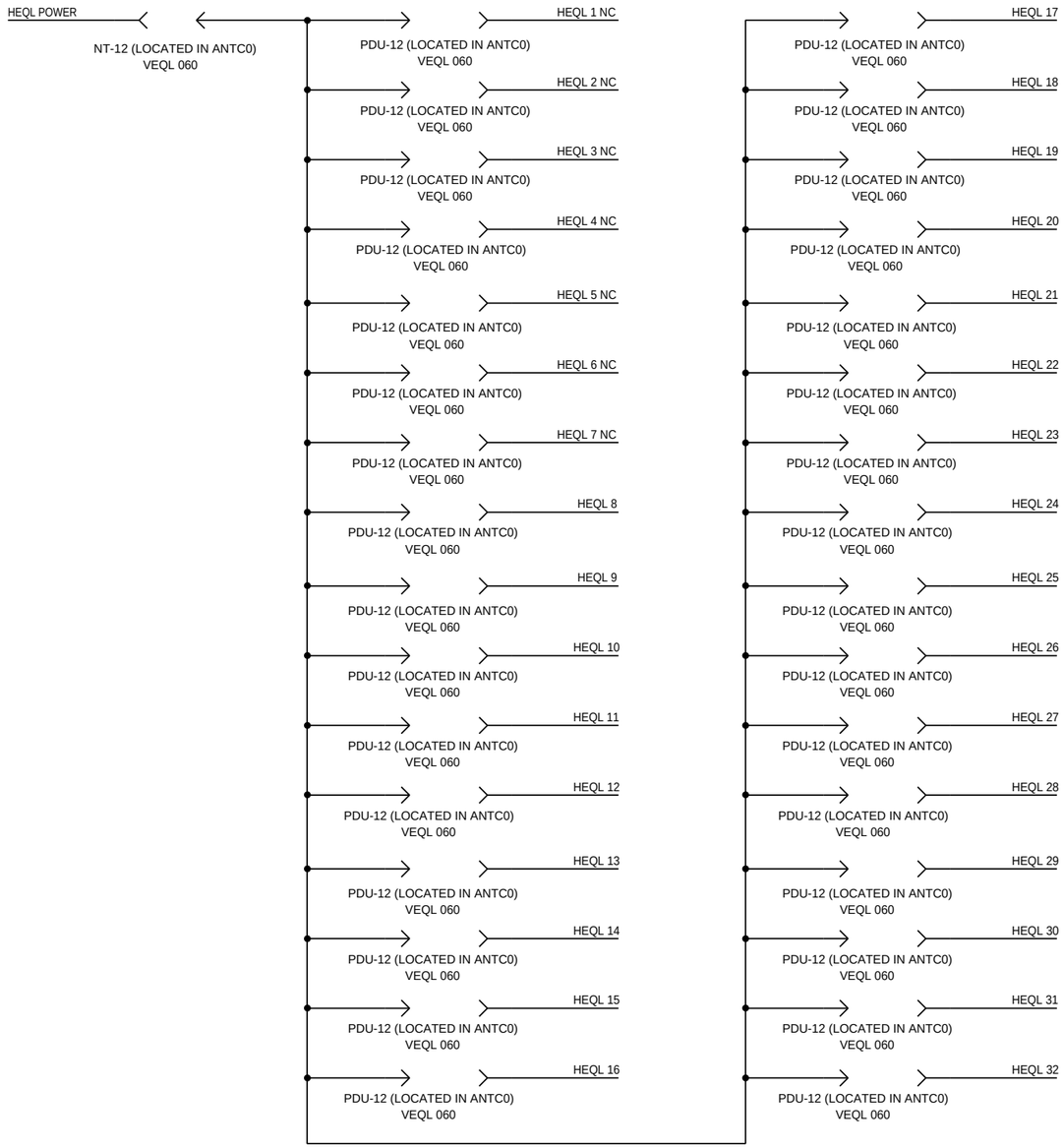
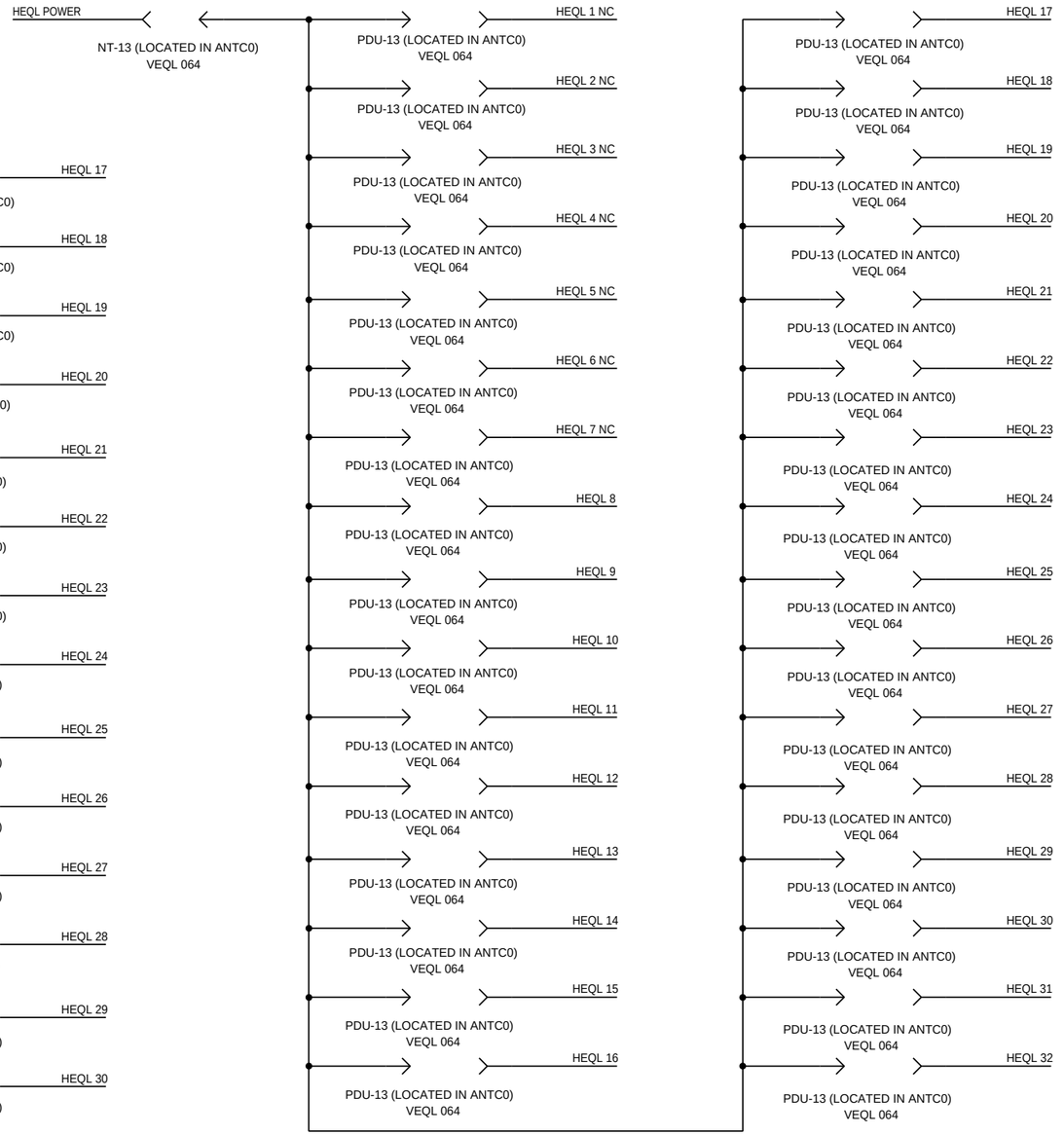
ADVANCED NETWORK SERVICES ADVANTAGE TELECOM SERVER CIRCUIT	DWG SIZE C2	ISSUE 2
Lucent Technologies	SD-1S009-01	SHEET G15

POWER DISTRIBUTION CABLES

CAD 107



CAD 108



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ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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POWER CABLES (LOCATED IN ANTC0)

CAD 109

HEQL 014A — A-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-0 (LOCATED IN ANTC0)
VEQL 008

CAD 110

HEQL 014B — A-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-1 (LOCATED IN ANTC0)
VEQL 012

CAD 111

HEQL 023A — A-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-2 (LOCATED IN ANTC0)
VEQL 016

CAD 112

HEQL 023B — A-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-3 (LOCATED IN ANTC0)
VEQL 020

CAD 113

HEQL 118A — B-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-4 (LOCATED IN ANTC0)
VEQL 024

CAD 114

HEQL 118B — B-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-5 (LOCATED IN ANTC0)
VEQL 028

CAD 115

HEQL 127A — B-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-6 (LOCATED IN ANTC0)
VEQL 032

CAD 116

HEQL 127B — B-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-7 (LOCATED IN ANTC0)
VEQL 036

CAD 117

HEQL 032A — A-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-8 (LOCATED IN ANTC0)
VEQL 044

CAD 118

HEQL 032B — A-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-9 (LOCATED IN ANTC0)
VEQL 048

CAD 119

HEQL 041A — A-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-10 (LOCATED IN ANTC0)
VEQL 052

CAD 120

HEQL 141A — B-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-11 (LOCATED IN ANTC0)
VEQL 056

CAD 121

HEQL 141B — B-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-12 (LOCATED IN ANTC0)
VEQL 060

CAD 122

HEQL 150A — B-BUS PWR/RTN — HEQL BATT

SD-5D190-01
MFFU (LOCATED IN ANTC0)
VEQL 68

PDU-13 (LOCATED IN ANTC0)
VEQL 064

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ADVANCED NETWORK SERVICES ADVANTAGE TELECOM SERVER CIRCUIT	DWG SIZE C2	ISSUE 2
Lucent Technologies	SD-1S009-01	SHEET G17

POWER CABLES (LOCATED IN ATSC0-ATSC1)

CAD 131

HEQL 014A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68

TS0 (LOCATED IN ATSC0) VEQL 11

CAD 132

HEQL 118A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68

TS1 (LOCATED IN ATSC0) VEQL 20

CAD 133

HEQL 023A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68

TS2 (LOCATED IN ATSC0) VEQL 29

CAD 134

HEQL 127A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68

TS3 (LOCATED IN ATSC0) VEQL 38

CAD 135

HEQL 032A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68

TS4 (LOCATED IN ATSC0) VEQL 47

CAD 136

HEQL 014A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC1) VEQL 68

TS5 (LOCATED IN ATSC1) VEQL 11

CAD 137

HEQL 118A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC1) VEQL 68

TS6 (LOCATED IN ATSC1) VEQL 20

CAD 138

HEQL 023A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC1) VEQL 68

TS7 (LOCATED IN ATSC1) VEQL 29

CAD 139

HEQL 127A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC1) VEQL 68

TS8 (LOCATED IN ATSC1) VEQL 38

CAD 140

HEQL 032A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC1) VEQL 68

TS9 (LOCATED IN ATSC1) VEQL 47

CAD 141

HEQL 041A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68

HUB0 (LOCATED IN ATSC0) VEQL 53

CAD 142

HEQL 141A — RTN ⟷ RTN

SD-5D190-01
MFFU (LOCATED IN ATSC0) VEQL 68

HUB1 (LOCATED IN ATSC0) VEQL 56

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ADVANCED NETWORK SERVICES

ADVANTAGE TELECOM SERVER CIRCUIT

DWG SIZE	ISSUE
C2	2

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