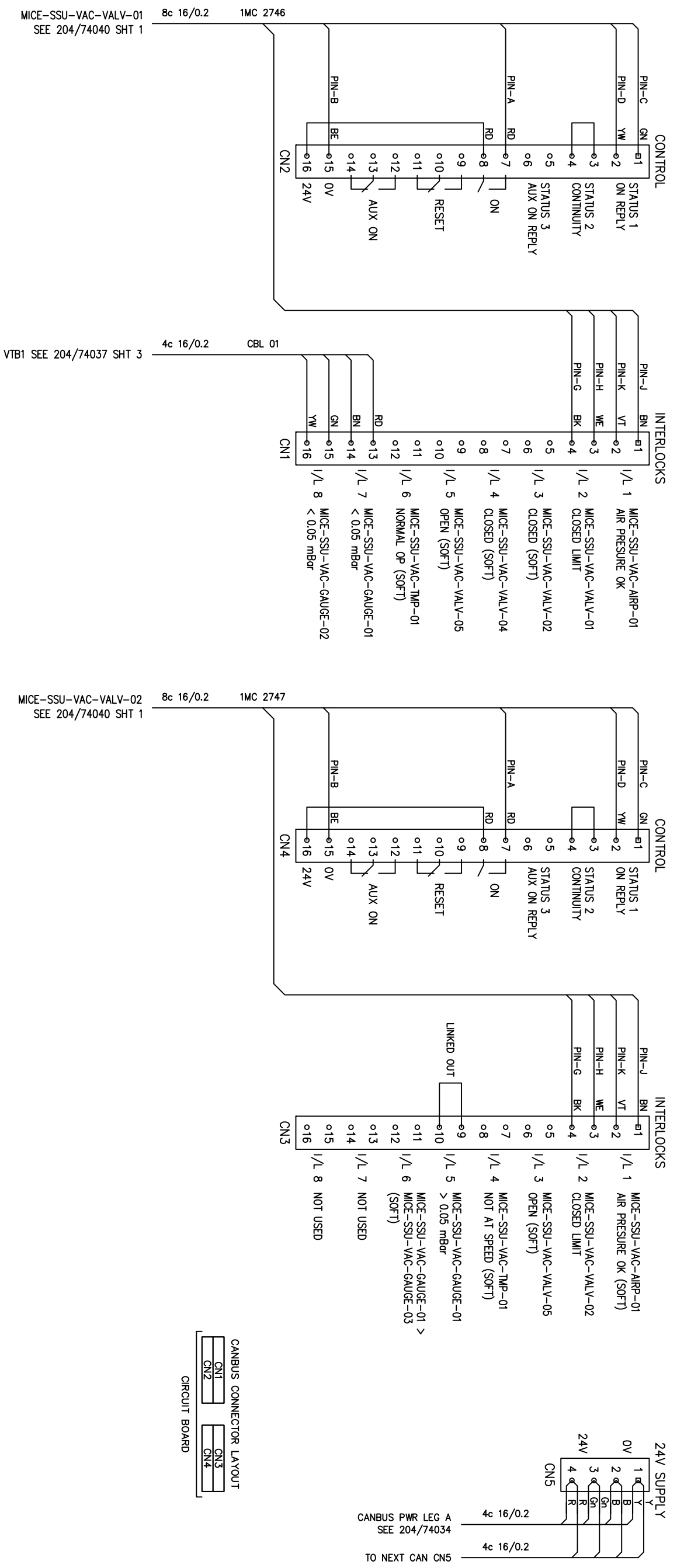


MICE-SSU-VAC-VALV-01
MODULE 1 - CAN CONTROLLER 1A

MICE-SSU-VAC-VALV-02
MODULE 2 - CAN CONTROLLER 1B



FIRST ISSUE	
DRN	PJW
DATE	MAR 2015
CKD	PJW
APPD	IDM
CANBUS I/O MODS AS BULT AT DL	

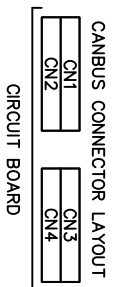
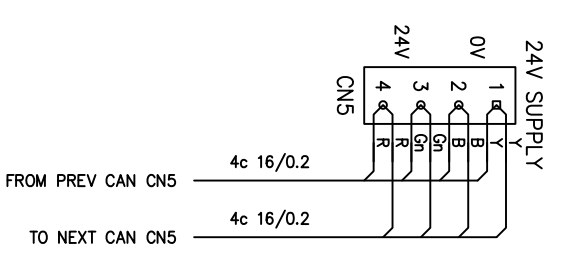
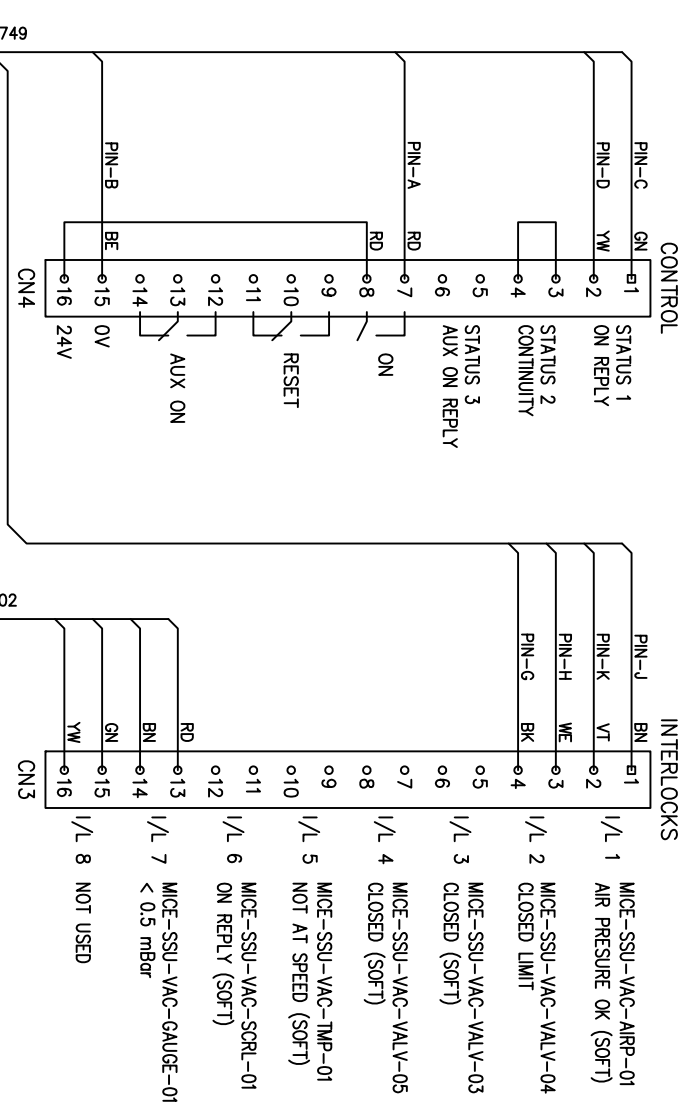
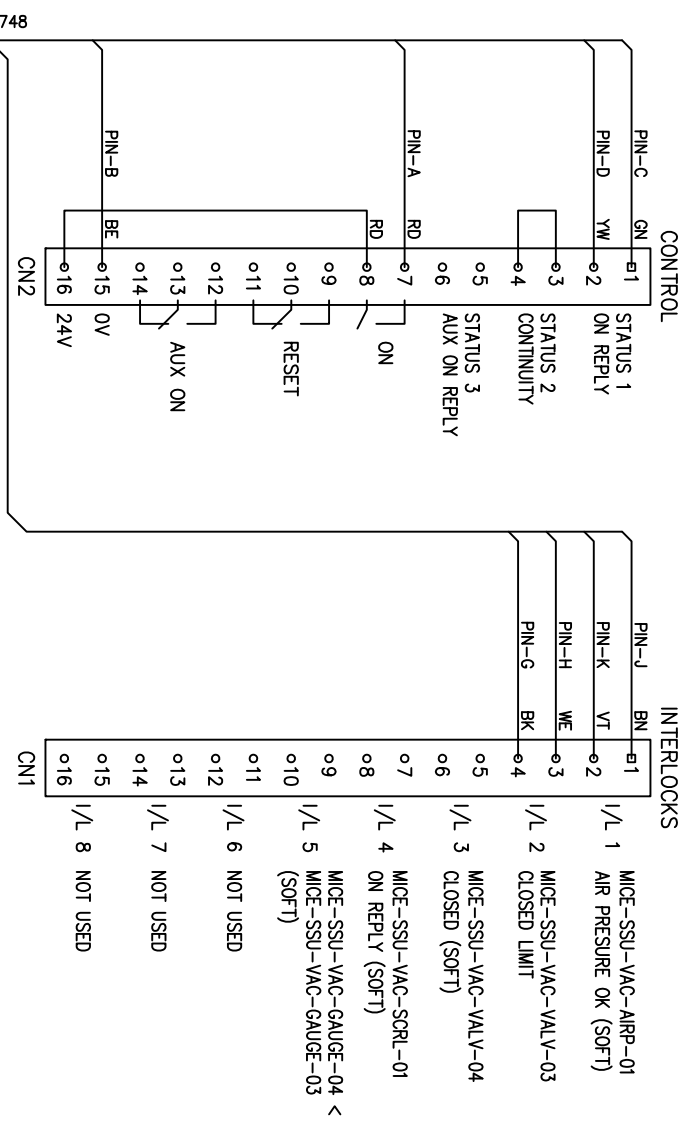
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DATE	NOV 2014	CHESHIRE	
CKD	PJW	MICE	
DATE	MAR 2015	COOLING CHANEL VACUUM & COMPRESSORS	
CERT		WIRING DIAG OF CANBUS CTRL STN 9	
DATE			
APPD	IDM	DRG No	A1-204/74035
DATE	MAR 2015	CAD PART No	204_74035
DRAWING LIST: - DL 204/74000		DRG No	A1-204/74035
CONTRACTORS COMPANY		SHT 1	OF 16
CONTRACTORS DRG No		ISSUE	B

204_74035_1, 16/03/2015 11:15:21

ORIGINAL FRAME SIZE 800mm X 555mm

MICE-SSU-VAC-VALV-03
MODULE 3 - CAN CONTROLLER 2A

MICE-SSU-VAC-VALV-04
MODULE 4 - CAN CONTROLLER 2B



MICE-SSU-VAC-VALV-03
SEE 204/74040 SHT 1

MICE-SSU-VAC-VALV-04
SEE 204/74040 SHT 1

VTB1 SEE 204/74037 SHT 3

DRN	PJW
DATE	MAR 2015
CKD	PJW
APPD	IDM
CANBUS I/O MODS AS BULT AT DL	

DRN	PJW
DATE	NOV 2014
CKD	PJW
DATE	MAR 2015
CERT	
DATE	
APPD	IDM
DATE	MAR 2015
DRAWING LIST: - DL 204/74000	
CONTRACTORS COMPANY	
CONTRACTORS DRG No	

DRG No	A1-204/74035	SHT 2
DATE	MAR 2015	OF 16
CAD PART No	204_74035	ISSUE
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CONTRACTORS COMPANY		
CONTRACTORS DRG No		

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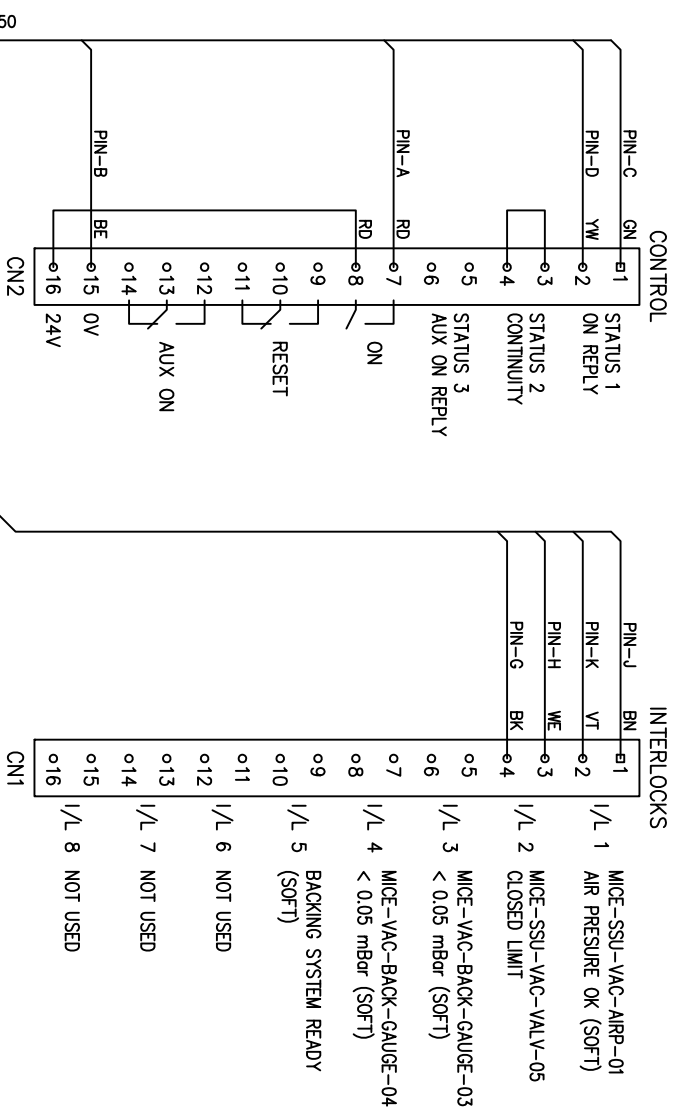
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SCIENCE AND TECHNOLOGY FACILITIES COUNCIL
DARESBURY LABORATORY
CHESHIRE

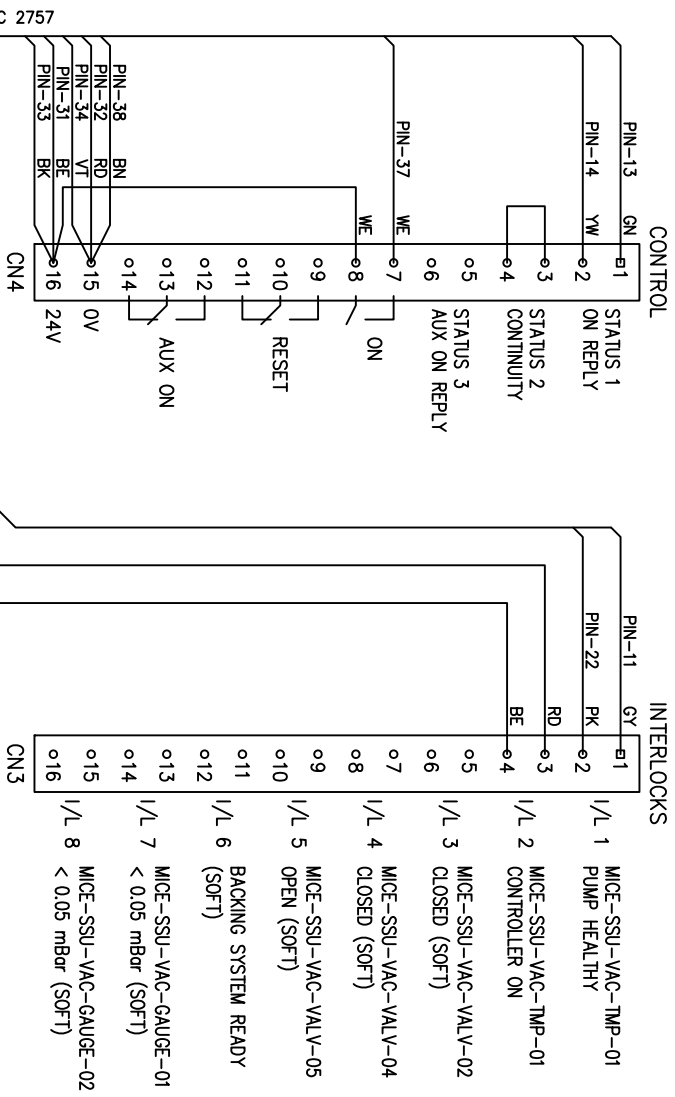
MICE
COOLING CHANEL VACUUM & COMPRESSORS
WIRING DIAG OF CANBUS CTRL STN 9

MICE-SSU-VAC-VALV-05
MODULE 5 - CAN CONTROLLER 3A

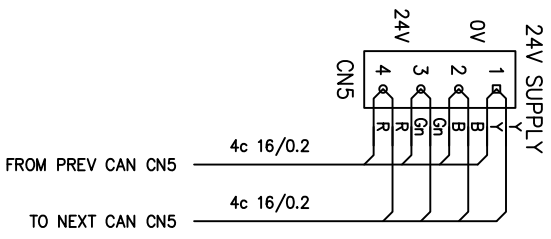
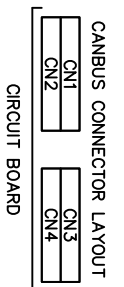
MICE-SSU-VAC-TMP-01
MODULE 6 - CAN CONTROLLER 3B



MICE-SSU-VAC-VALV-05
SEE 204/74040 SHT 1



MICE-SSU-VAC-TMP-01
ADIXEN
SEE 204/74040 SHT 4



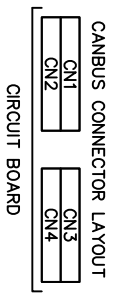
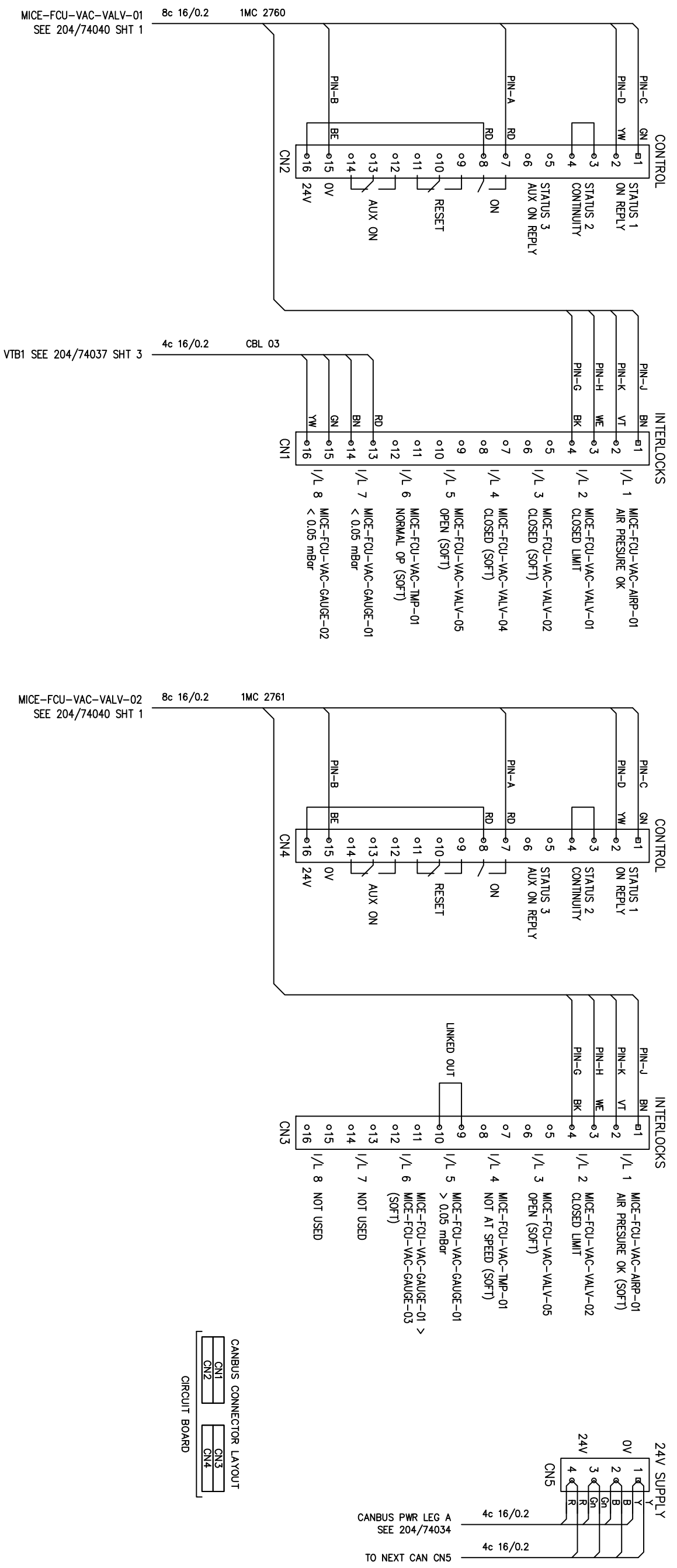
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DRN	PJW
DATE	MAR 2015
CKD	PJW
APPD	IDM
CANBUS I/O MODS AS BULT AT DL	

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WIRING DIAG OF CANBUS CTRL STN 9	
DRG No	A1-204/74035
SHT 3	OF 16
ISSUE	B
DRG No	A1-204/74035
SHT 3	OF 16
ISSUE	B
CONTRACTORS COMPANY	
CONTRACTORS DRG No	

SCALE	
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DATE	NOV 2014
CKD	PJW
DATE	MAR 2015
APPD	IDM
DATE	MAR 2015
DRG No	A1-204/74035
SHT 3	OF 16
ISSUE	B
CONTRACTORS COMPANY	
CONTRACTORS DRG No	

MICE-FCU-VAC-VALV-01
MODULE 7 - CAN CONTROLLER 4A

MICE-FCU-VAC-VALV-02
MODULE 8 - CAN CONTROLLER 4B



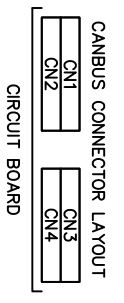
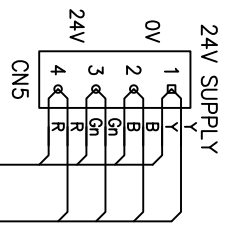
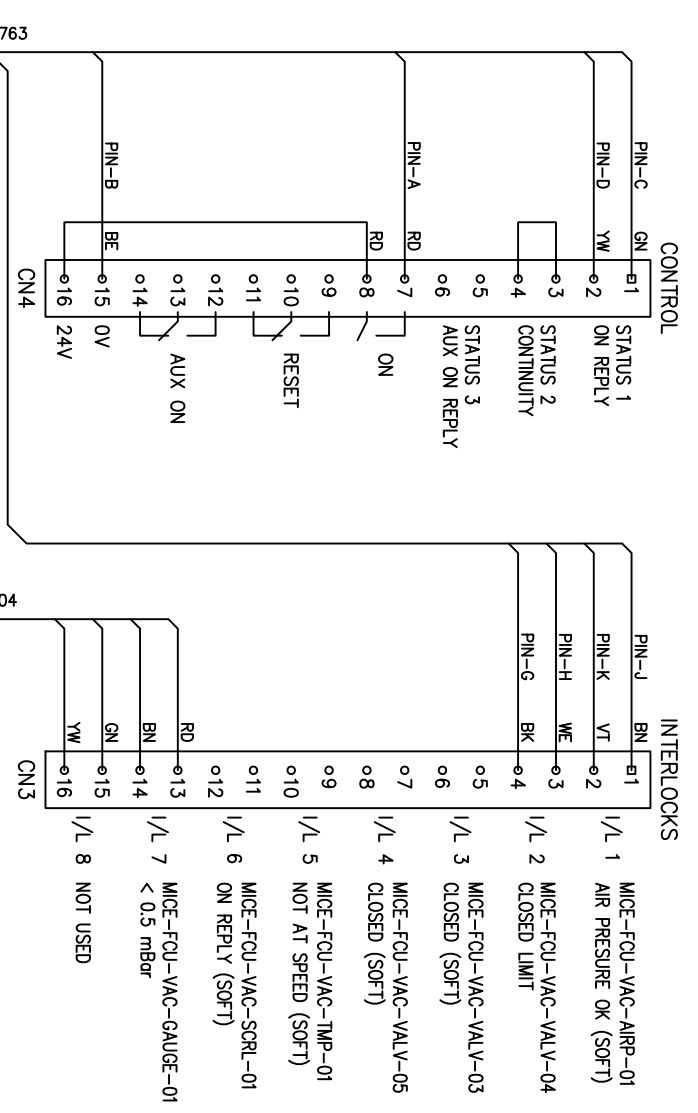
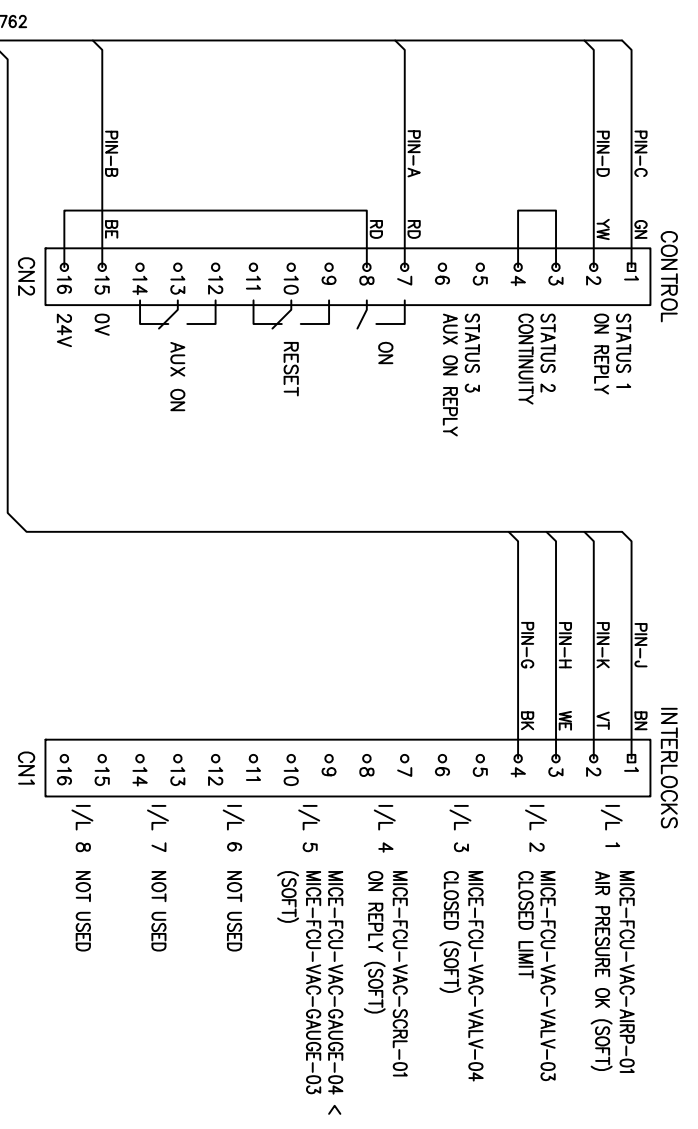
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CKD	PJW
APPD	IDM
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DATE	NOV 2014	CHESHIRE	
CKD	PJW	MICE	
DATE	MAR 2015	COOLING CHANEL VACUUM & COMPRESSORS	
CERT		WIRING DIAG OF CANBUS CTRL STN 9	
DATE			
APPD	IDM	DRG No	A1-204/74035
DATE	MAR 2015	CAD PART No	204_74035
DRAWING LIST: - DL 204/74000		DRG No	A1-204/74035
CONTRACTORS COMPANY		SHT 4	OF 16
CONTRACTORS DRG No		ISSUE	B

MICE-FCU-VAC-VALV-03
MODULE 9 - CAN CONTROLLER 5A

MICE-FCU-VAC-VALV-04
MODULE 10 - CAN CONTROLLER 5B



MICE-FCU-VAC-VALV-03
SEE 204/74040 SHT 1

MICE-FCU-VAC-VALV-04
SEE 204/74040 SHT 1

VTB1 SEE 204/74037 SHT 3

FIRST ISSUE	
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DATE	MAR 2015
CKD	PJW
APPD	IDM
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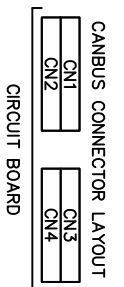
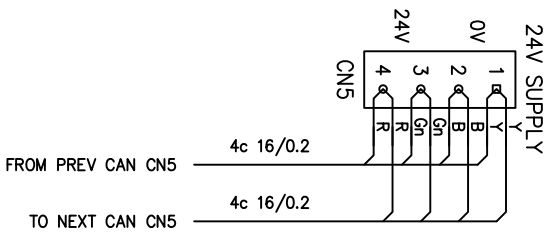
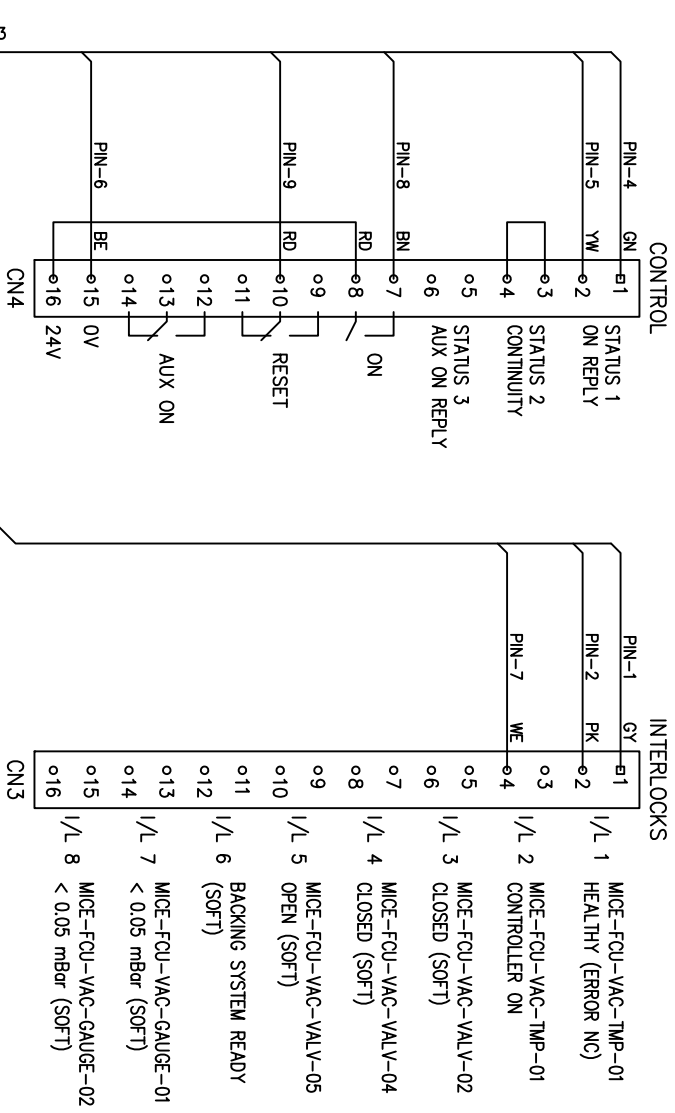
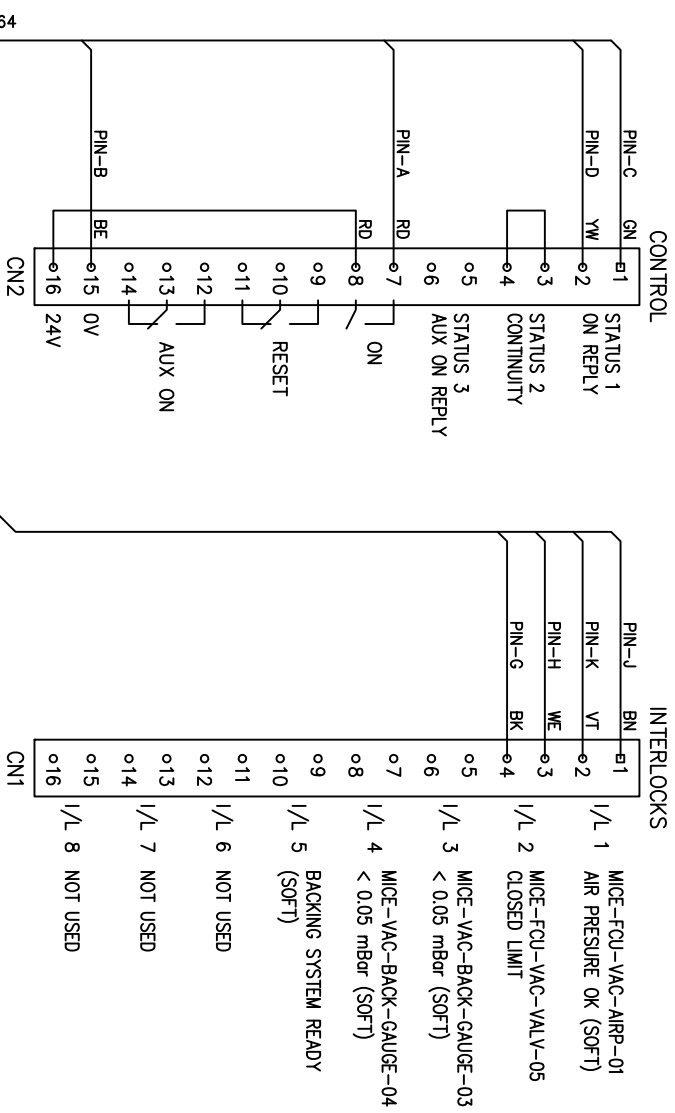
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CKD	PJW
DATE	MAR 2015
APPD	IDM
DATE	MAR 2015
TITLE	
MICE	
COOLING CHANEL VACUUM & COMPRESSORS	
WIRING DIAG OF CANBUS CTRL STN 9	
DRG No	A1-204/74035
DATE	MAR 2015
CAD PART No	204_74035
DRAWING LIST:	DL 204/74000
CONTRACTORS COMPANY	
CONTRACTORS DRG No	

204_74035_5, 16/03/2015 11:16:37

ORIGINAL FRAME SIZE 800mm X 555mm

MICE-FCU-VAC-VALV-05
MODULE 11 - CAN CONTROLLER 6A

MICE-FCU-VAC-TMP-01
MODULE 12 - CAN CONTROLLER 6B



MICE-FCU-VAC-VALV-05
SEE 204/74040 SHT 1

MICE-FCU-VAC-TMP-01
LEYBOLD
SEE 204/74040 SHT 3

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DATE	MAR 2015
CKD	PJW
APPD	IDM
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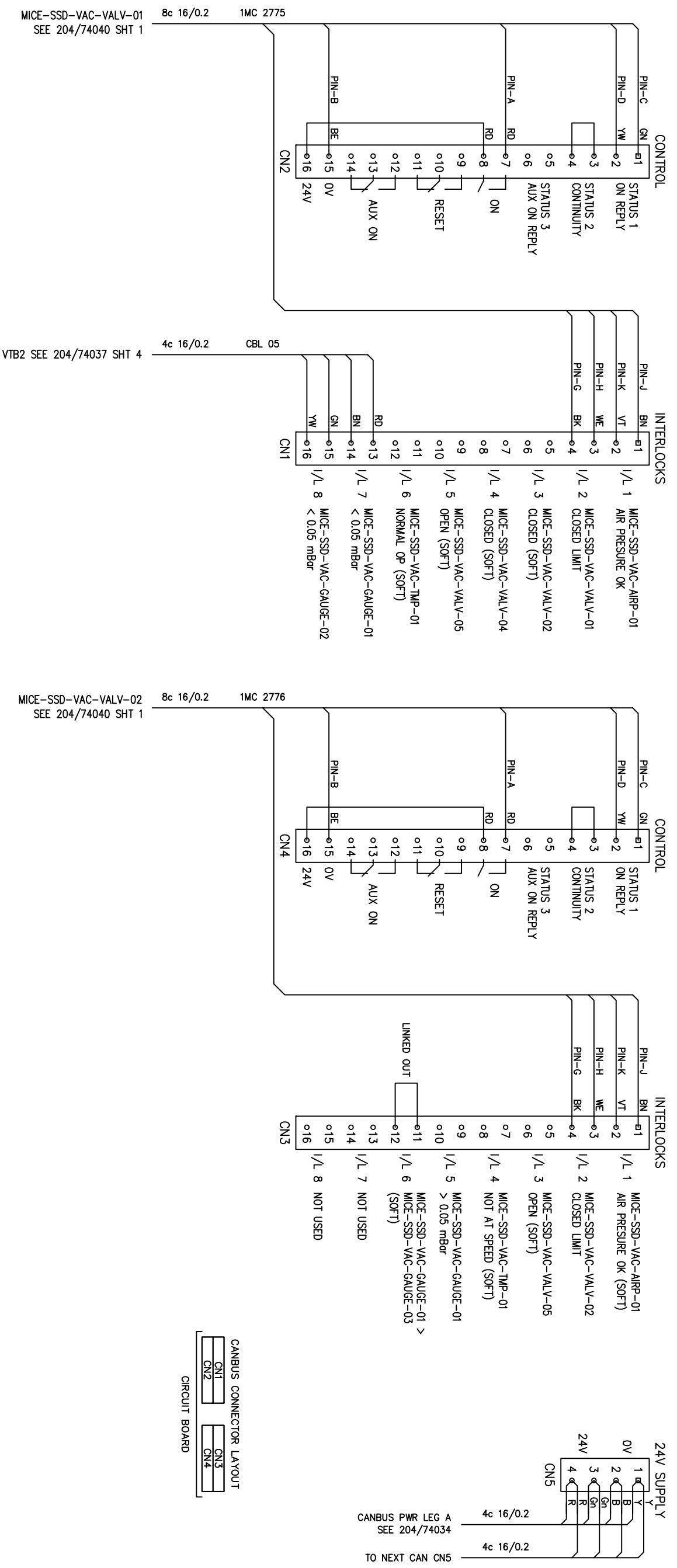
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SCIENCE AND TECHNOLOGY FACILITIES COUNCIL			
DARESBURY LABORATORY			
CHESHIRE			
MICE			
COOLING CHANEL VACUUM & COMPRESSORS			
WIRING DIAG OF CANBUS CTRL STN 9			
DRG No	A1-204/74035	SHT 6	ISSUE
DATE	MAR 2015	OF 16	B
APPD	IDM		
DATE	MAR 2015	CAD PART No 204_74035	
DRAWING LIST: - DL 204/74000			
CONTRACTORS COMPANY			
CONTRACTORS DRG No			

204_74035_6_16/03/2015 11:17:01

ORIGINAL FRAME SIZE 800mm X 555mm

MICE-SSD-VAC-VALV-01
MODULE 13 - CAN CONTROLLER 7A

MICE-SSD-VAC-VALV-02
MODULE 14 - CAN CONTROLLER 7B



FIRST ISSUE	
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DATE	MAR 2015
CKD	PJW
APPD	IDM
CANBUS I/O MODS AS BULT AT DL	

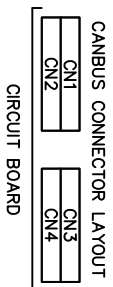
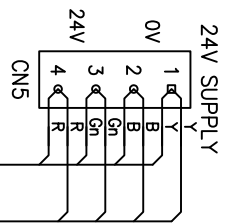
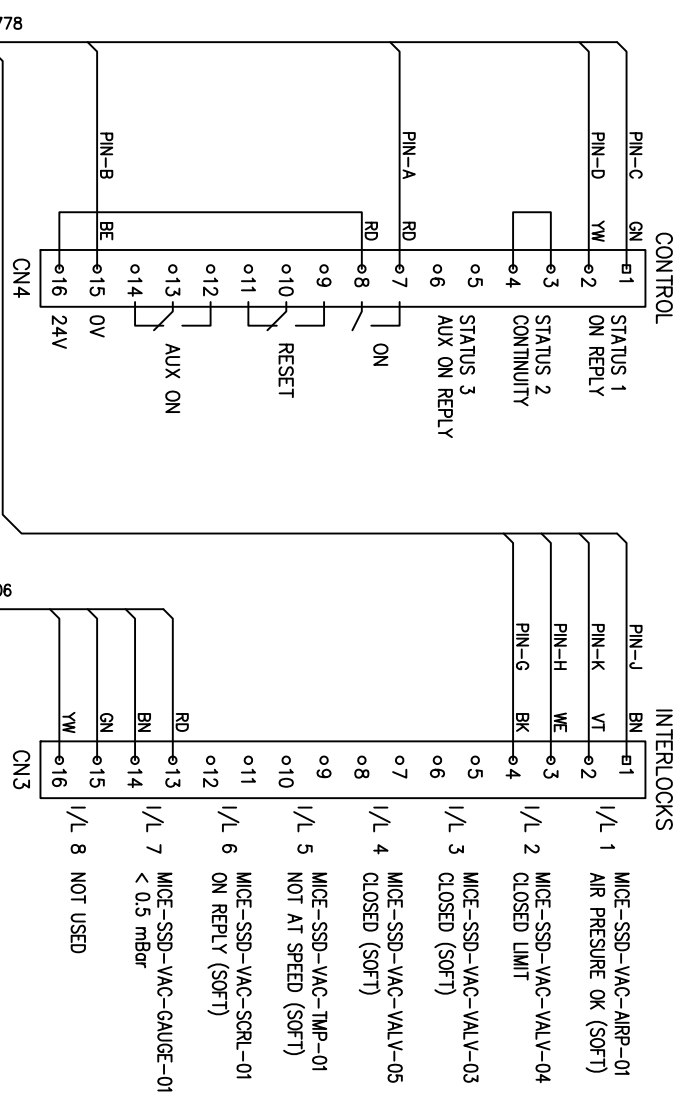
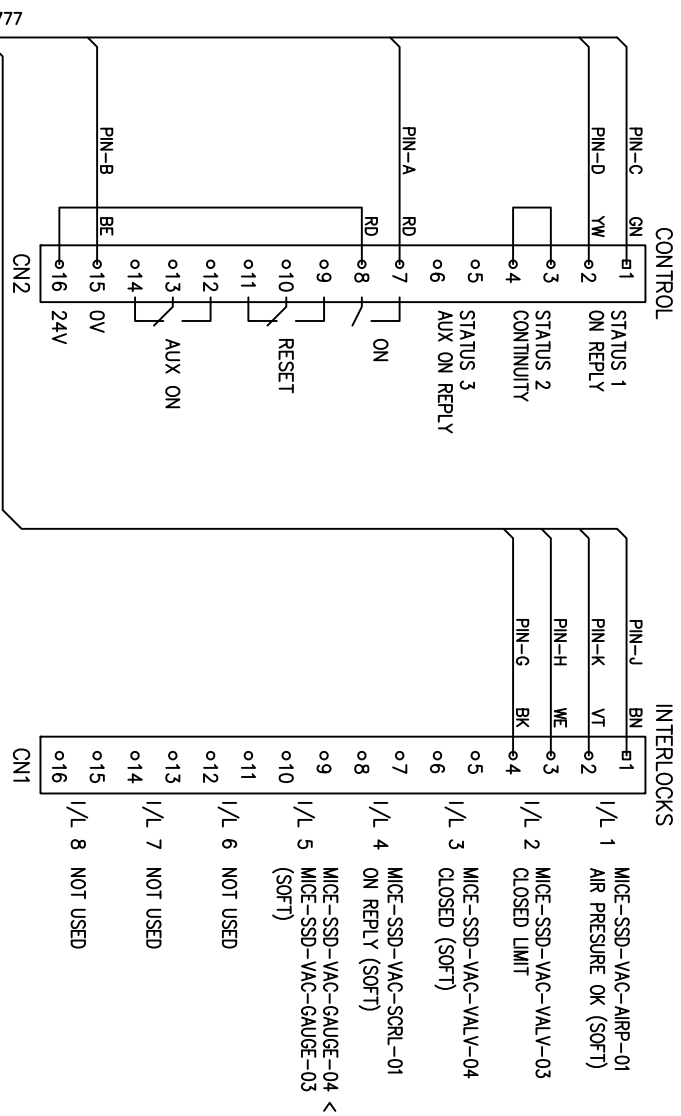
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DATE	NOV 2014	CHESHIRE	
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DATE	MAR 2015	COOLING CHANEL VACUUM & COMPRESSORS	
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DATE	MAR 2015	CAD PART No	204_74035
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CONTRACTORS COMPANY		SHT 7	OF 16
CONTRACTORS DRG No		ISSUE	B

204_74035_7, 16/03/2015 11:17:28

ORIGINAL FRAME SIZE 800mm X 555mm

MICE-SSD-VAC-VALV-03
MODULE 15 - CAN CONTROLLER 8A

MICE-SSD-VAC-VALV-04
MODULE 16 - CAN CONTROLLER 8B



MICE-SSD-VAC-VALV-03
SEE 204/74040 SHT 1

MICE-SSD-VAC-VALV-04
SEE 204/74040 SHT 1

VTB2 SEE 204/74037 SHT 4

FIRST ISSUE	
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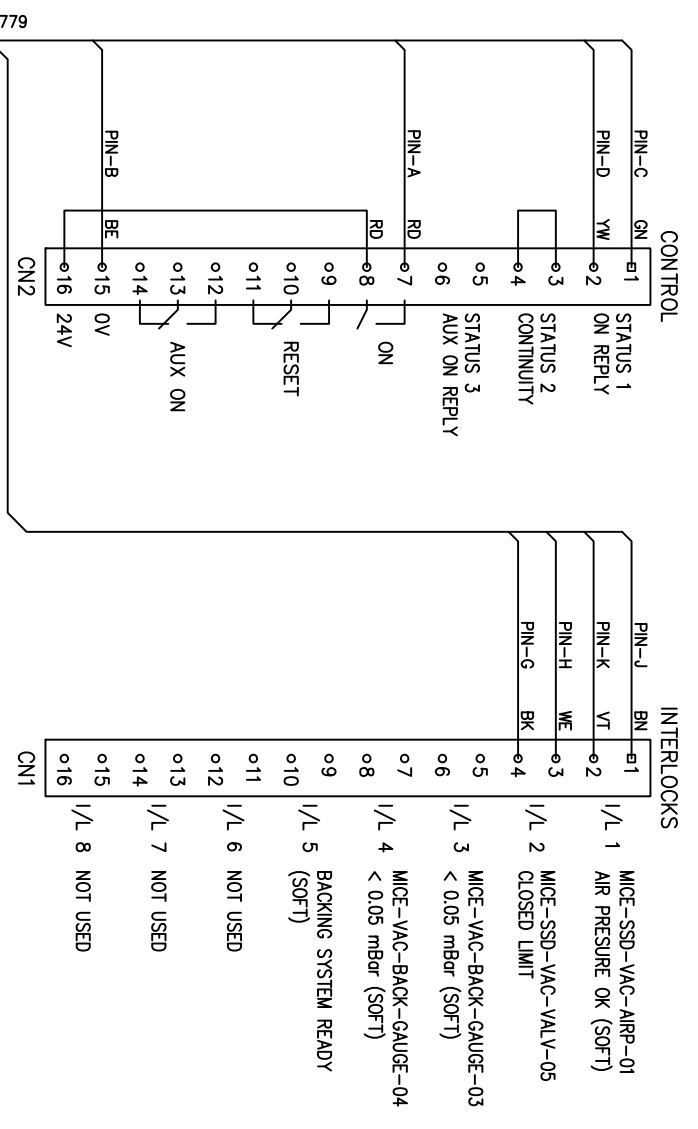
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DATE	MAR 2015
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TITLE	
MICE	
COOLING CHANEL VACUUM & COMPRESSORS	
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SHT 8	OF 16
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CONTRACTORS COMPANY	
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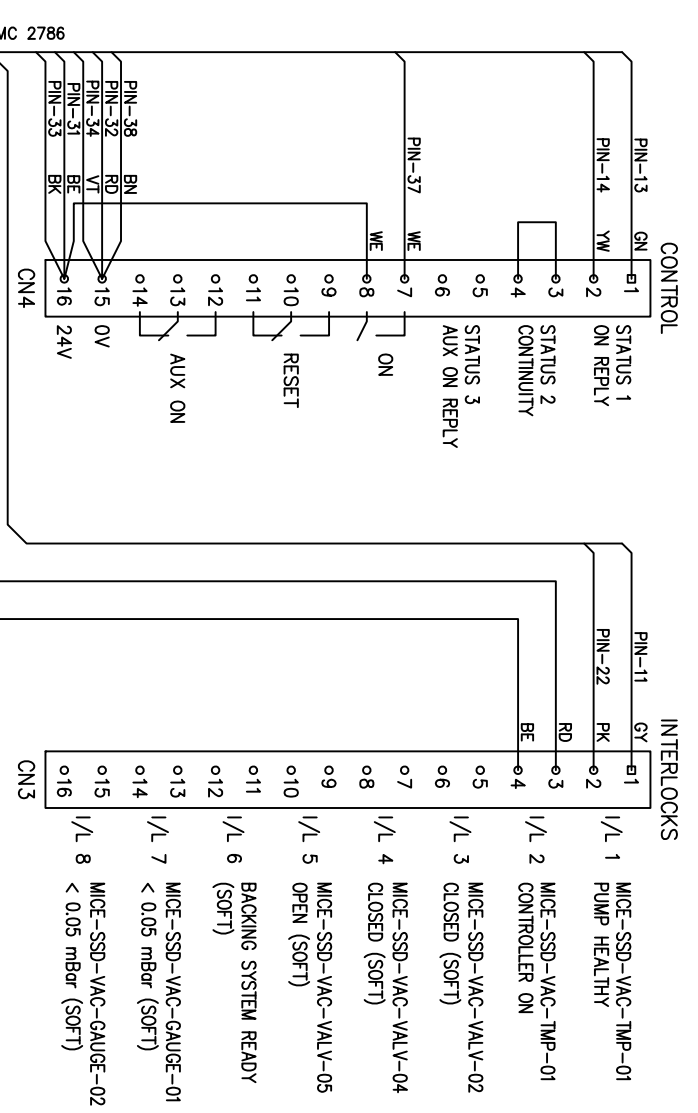
ORIGINAL FRAME SIZE 800mm X 555mm

MICE-SSD-VAC-VALV-05
MODULE 17 - CAN CONTROLLER 9A

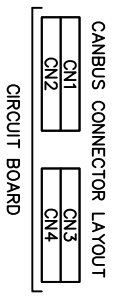
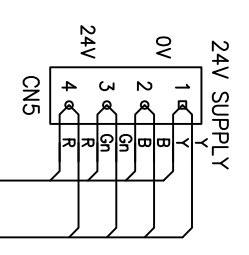
MICE-SSD-VAC-TMP-01
MODULE 18 - CAN CONTROLLER 9B



MICE-SSD-VAC-VALV-05
SEE 204/74040 SHT 1



MICE-SSD-VAC-TMP-01
ADIXEN
SEE 204/74040 SHT 4



A	DRN	PJW
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B	APPD	IDM
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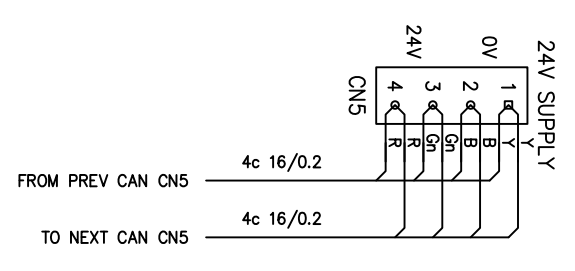
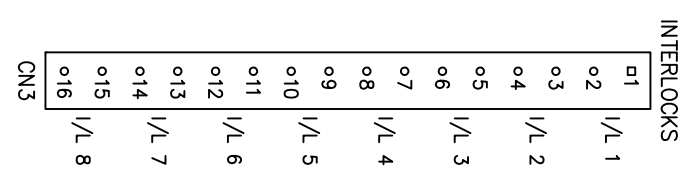
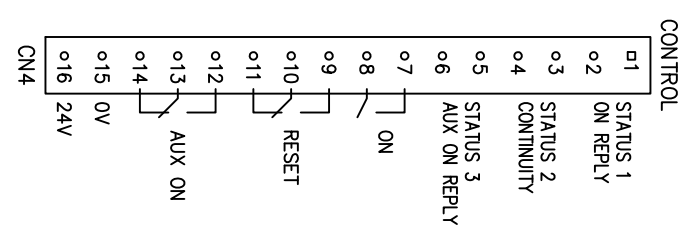
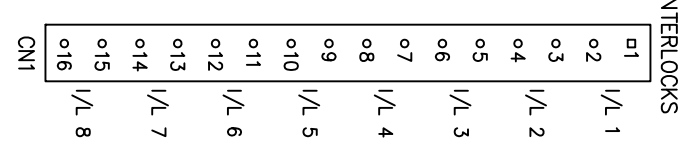
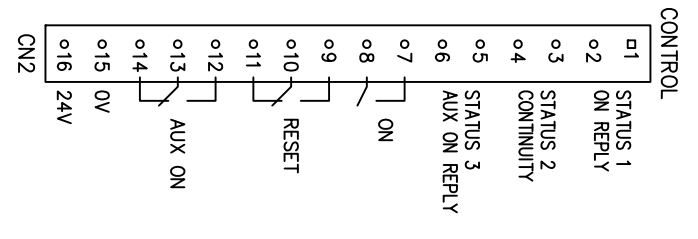
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COOLING CHANEL VACUUM & COMPRESSORS		
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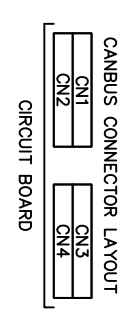
ORIGINAL FRAME SIZE 800mm X 555mm

MICE-FCD-VAC-VALV-01
MODULE 19 - CAN CONTROLLER 10A

MICE-FCD-VAC-VALV-02
MODULE 20 - CAN CONTROLLER 10B



FUTURE FCD

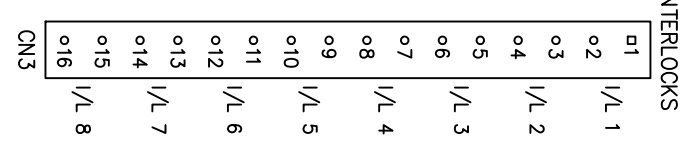
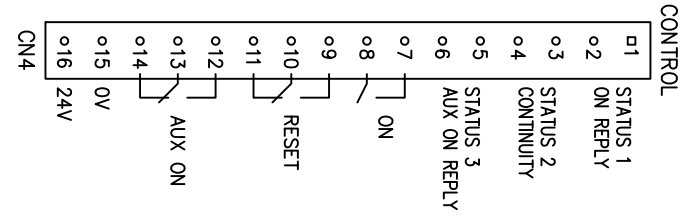
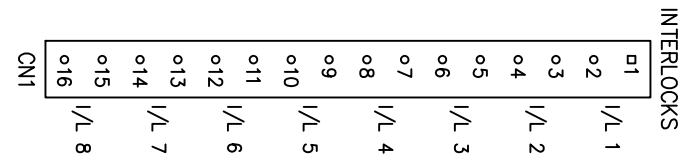
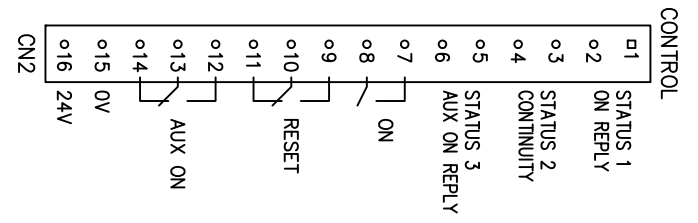


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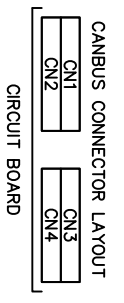
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DATE	MAR 2015	COOLING CHANEL VACUUM & COMPRESSORS	
CERT		WIRING DIAG OF CANBUS CTRL STN 9	
DATE			
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DATE	MAR 2015	CAD PART No	204_74035
DRAWING LIST: - DL 204/74000		SH110	OF 16
CONTRACTORS COMPANY		ISSUE	B
CONTRACTORS DRG No			

MICE-FCD-VAC-VALV-03
MODULE 21 - CAN CONTROLLER 11A

MICE-FCD-VAC-VALV-04
MODULE 22 - CAN CONTROLLER 11B



FUTURE FCD

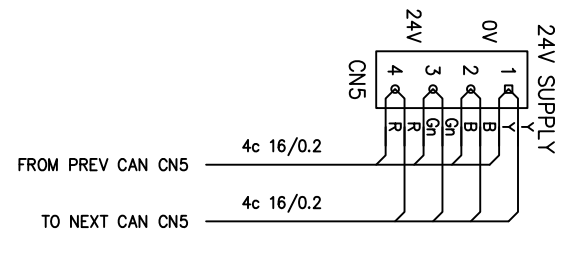
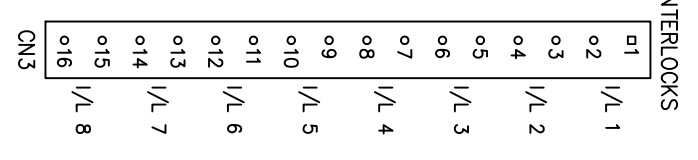
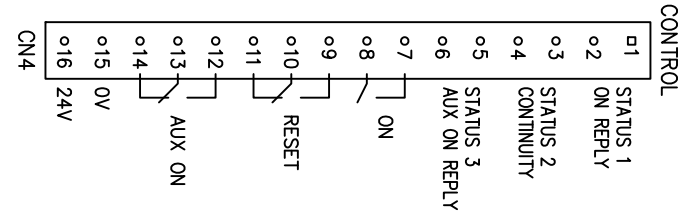
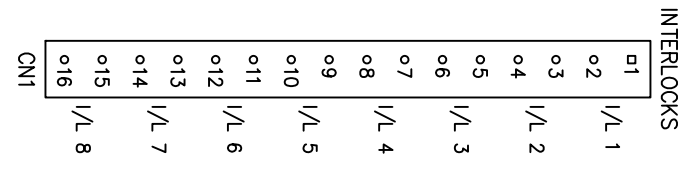
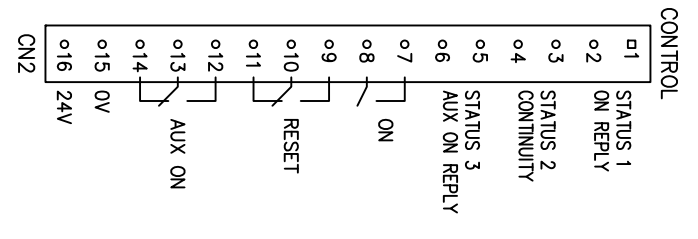


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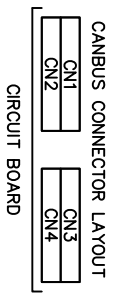
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DATE	MAR 2015	COOLING CHANEL VACUUM & COMPRESSORS	
CERT		WIRING DIAG OF CANBUS CTRL STN 9	
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DATE	MAR 2015	CAD PART No	204_74035
DRAWING LIST: - DL 204/74000		SH11	OF 16
CONTRACTORS COMPANY		ISSUE	B
CONTRACTORS DRG No			

MICE-FCD-VAC-VALV-05
MODULE 23 - CAN CONTROLLER 12A

MICE-FCD-VAC-TMP-01
MODULE 24 - CAN CONTROLLER 12B



FUTURE FCD



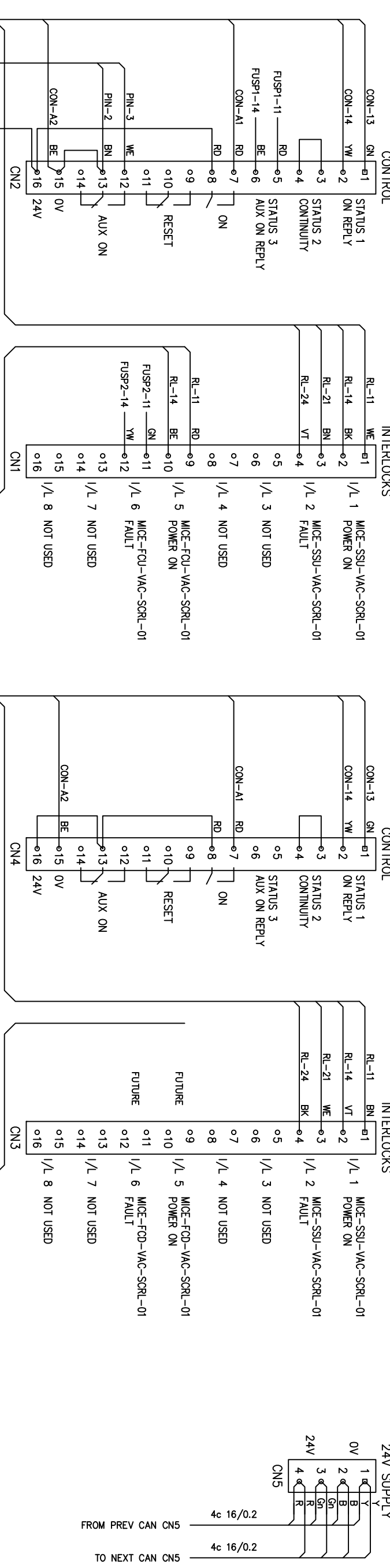
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CERT	
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CONTRACTORS DRG No	

FIRST ISSUE	
DRN	PJW
DATE	MAR 2015
CKD	PJW
APPD	IDM
CANBUS I/O MODS AS BULT AT DL	

MICE-SSU-VAC-SCRL-01
MICE-FCU-VAC-SCRL-01
MODULE 25 - CAN CONTROLLER 13A

MICE-SSD-VAC-SCRL-01
MICE-VAC-FCD-SCRL-01 (FUTURE)
MODULE 26 - CAN CONTROLLER 13B



MICE-SSU-VAC-SCRL-01
SSU SCRL CON
SEE 204/74037 SHT 5

MICE-FCU-VAC-SCRL-01
SEE 204/74040 SHT 5

MICE-FCU-VAC-SCRL-01
FCU SCRL POWER ON RL
SEE 204/74037 SHT 5

MICE-SSD-VAC-SCRL-01
SSD SCRL CON
SEE 204/74037 SHT 5

MICE-FCD-VAC-SCRL-01
SEE 204/74040 SHT 1

MICE-FCD-VAC-SCRL-01
FCU SCRL POWER ON RL
SEE 204/74037 SHT 5

MICE-SSU-VAC-SCRL-01
POWER ON

MICE-SSU-VAC-SCRL-01
FAULT

MICE-SSU-VAC-SCRL-01
NOT USED

MICE-SSU-VAC-SCRL-01
NOT USED

MICE-SSU-VAC-SCRL-01
NOT USED

MICE-SSU-VAC-SCRL-01
NOT USED

MICE-SSU-VAC-SCRL-01
NOT USED

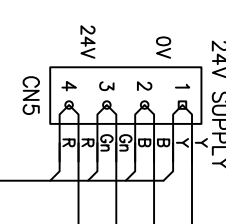
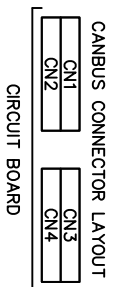
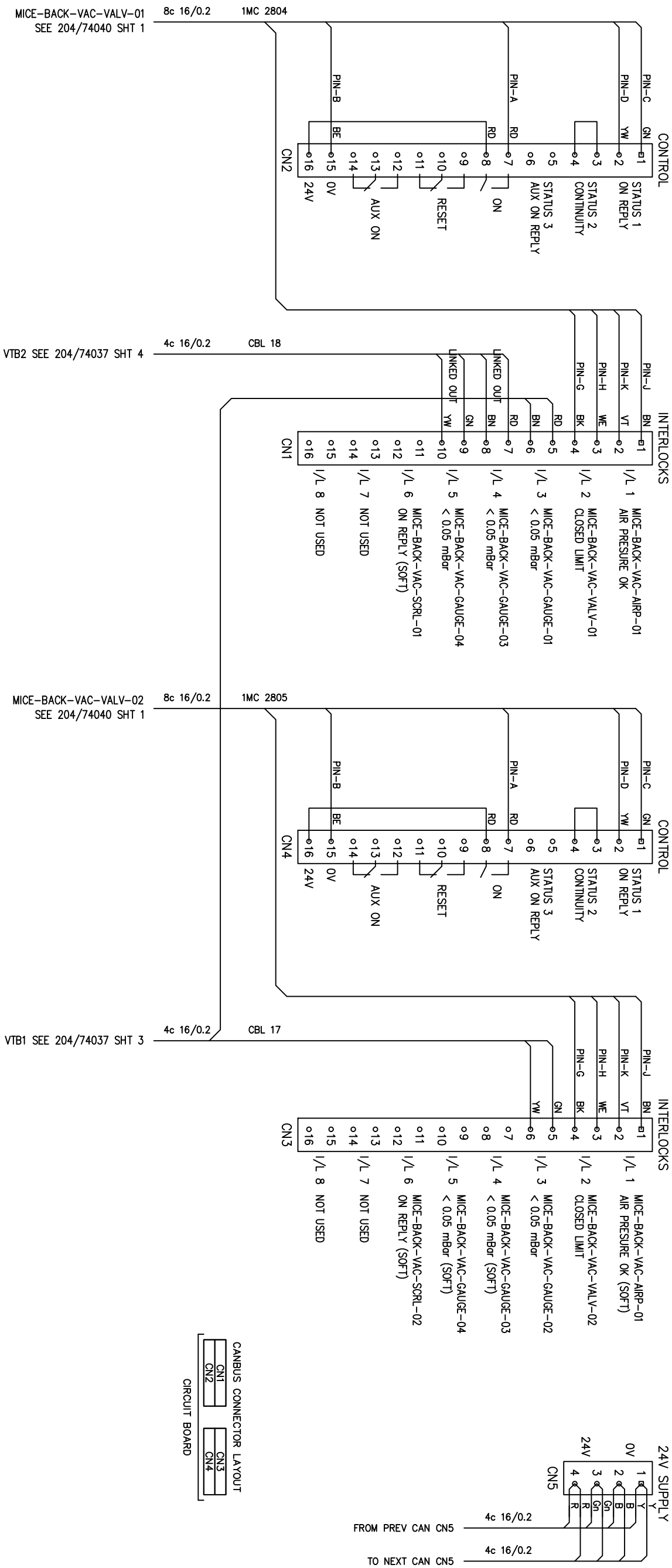
MICE-SSU-VAC-SCRL-01
NOT USED

SCALE	0
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED	
DRN	PJW
DATE	NOV 2014
CKD	PJW
DATE	MAR 2015
CERT	
DATE	
TITLE	
MICE	
COOLING CHANEL VACUUM & COMPRESSORS	
WIRING DIAG OF CANBUS CTRL STN 9	
DRG No	A1-204/74035
DATE	MAR 2015
APPD	IDM
DATE	MAR 2015
DRAWING LIST: - DL 204/74000	
CONTRACTORS COMPANY	
CONTRACTORS DRG No	

FIRST ISSUE	
DRN	PJW
DATE	MAR 2015
CKD	PJW
APPD	IDM
CANBUS I/O MODS AS BULT AT DL	

MICE-BACK-VAC-VALV-01
MODULE 27 - CAN CONTROLLER 14A

MICE-BACK-VAC-VALV-02
MODULE 28 - CAN CONTROLLER 14B



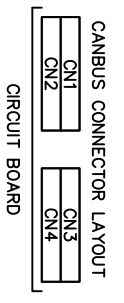
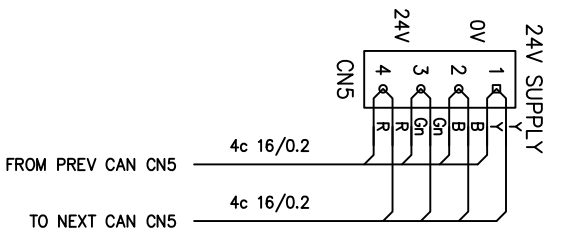
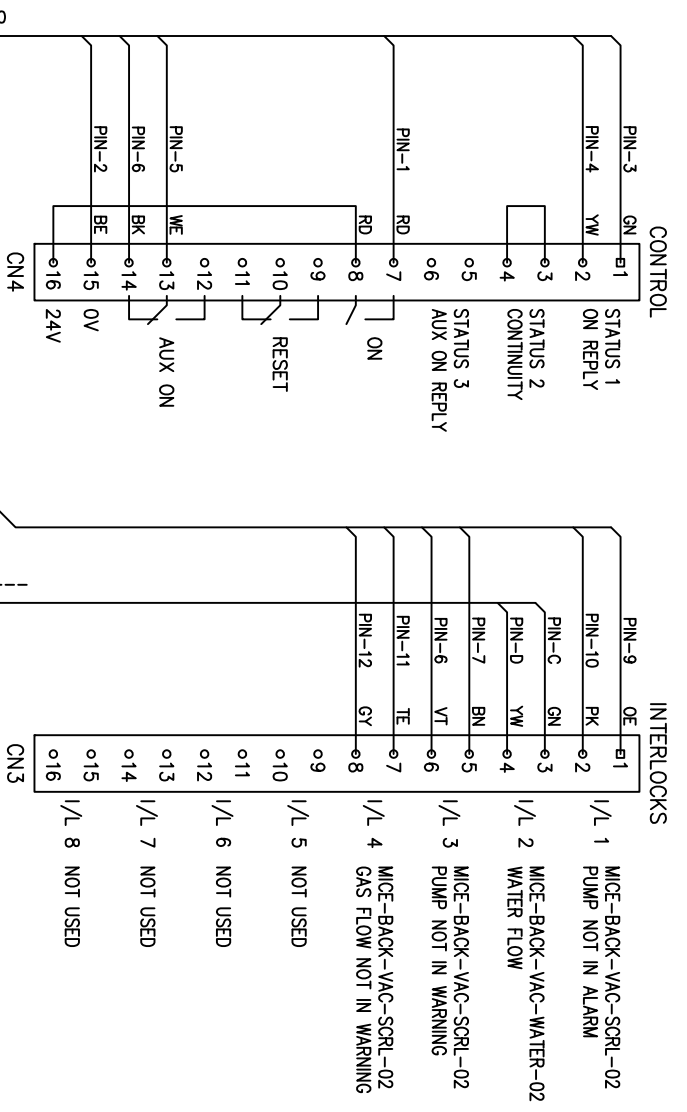
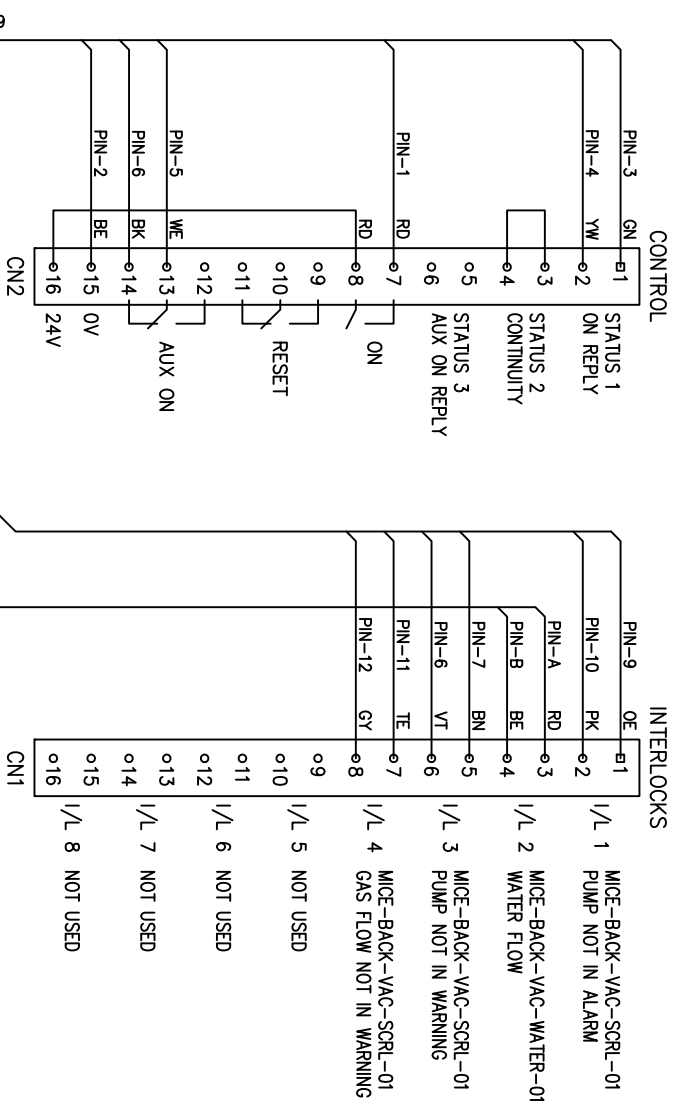
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DRN	PJW
DATE	MAR 2015
CKD	PJW
APPD	IDM
CANBUS I/O MODS AS BULT AT DL	

SCALE	
ALL DIMENTIONS IN MILLIMETERS UNLESS OTHERWISE STATED	
DRN	PJW
DATE	NOV 2014
CKD	PJW
DATE	MAR 2015
CERT	
DATE	
APPD	IDM
DATE	MAR 2015
TITLE	
MICE COOLING CHANEL VACUUM & COMPRESSORS WIRING DIAG OF CANBUS CTRL STN 9	
DRG No	A1-204/74035
DATE	MAR 2015
CAD PART No	204_74035
DRAWING LIST:	- DL 204/74000
CONTRACTORS COMPANY	
CONTRACTORS DRG No	

DRG No	A1-204/74035	SHT 14 OF 16	ISSUE
DATE	MAR 2015		B
CONTRACTORS COMPANY			
CONTRACTORS DRG No			

MICE-BACK-VAC-SCRL-01
MODULE 29 - CAN CONTROLLER 15A

MICE-BACK-VAC-SCRL-02
MODULE 30 - CAN CONTROLLER 15B



EDWARDS INTERFACE MODULE
SEE 204/74040 SHT 6

EDWARDS INTERFACE MODULE
SEE 204/74040 SHT 6

WATER FLOW J/B
SEE 204/74060 SHT 6

SCALE 0

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED

DARESBUURY LABORATORY
CHESHIRE

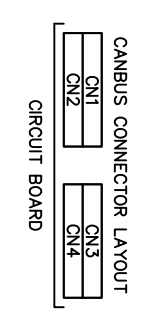
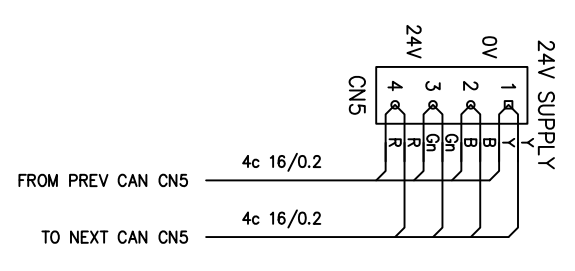
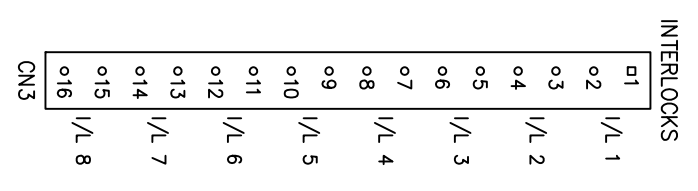
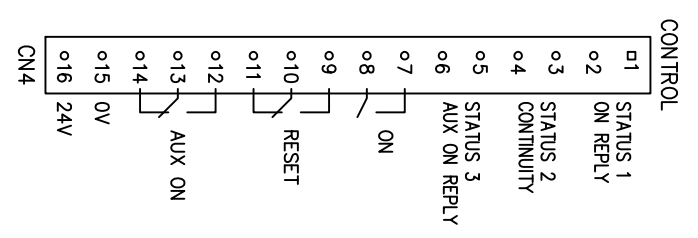
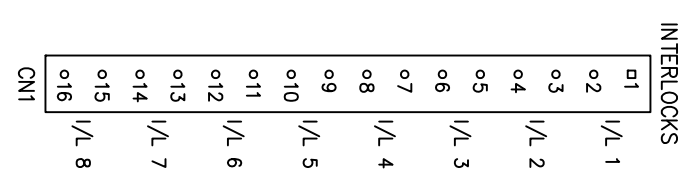
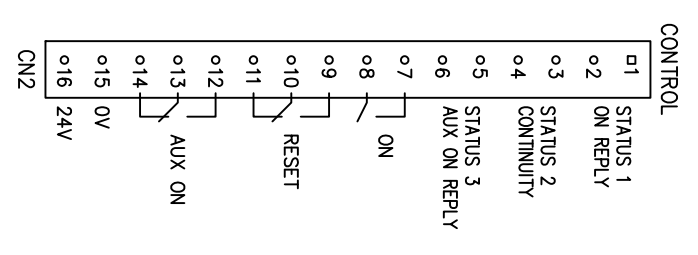
MICE
COOLING CHANEL VACUUM & COMPRESSORS
WIRING DIAG OF CANBUS CTRL STN 9

FIRST ISSUE	
DRN	PJW
DATE	MAR 2015
CKD	PJW
APPD	IDM
CANBUS I/O MODS AS BULT AT DL	

DRN	PJW	DRG No	A1-204/74035	SHT 15
DATE	NOV 2014	CAD PART No	204_74035	OF 16
CKD	PJW	DATE	MAR 2015	ISSUE
APPD	IDM	DATE	MAR 2015	B
DRAWING LIST: - DL 204/74000				
CONTRACTORS COMPANY				
CONTRACTORS DRG No				

SPARE
MODULE 31 - CAN CONTROLLER 16A

SPARE
MODULE 32 - CAN CONTROLLER 16B



SPARE MODULE

A	FIRST ISSUE	
	DRN PJW	DATE MAR 2015
B	CKD PJW	APPD IDM
	CANBUS I/O MODS AS BULT AT DL	

SCALE		0	
ALL DIMENTIONS IN MILLIMETERS UNLESS OTHERWISE STATED			
DRN	PJW	DARESBUURY LABORATORY	
DATE	NOV 2014	CHESHIRE	
CKD	PJW	MICE	
DATE	MAR 2015	COOLING CHANEL VACUUM & COMPRESSORS	
CERT		WIRING DIAG OF CANBUS CTRL STN 9	
DATE			
APPD	IDM	DRG No	A1-204/74035
DATE	MAR 2015	CAD PART No	204_74035
DRAWING LIST: - DL 204/74000		SH16	OF 16
CONTRACTORS COMPANY		ISSUE	B
CONTRACTORS DRG No			

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ORIGINAL FRAME SIZE 800mm X 555mm