

TECHNICAL SPECIFICATION:

AIR CONDITIONING KIT 24 PHELOPHEPA TRAIN SET #2 DENTAL COACH #15

Revision 1

DATE RELEASED

25 January 2011

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Phelophepa 2 Dental Coach 15
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CHANGE CONTROL

Control	Name and Description	Signature	Date
Compiled & Reviewed:	Jacques Posthumus Product Development Coaches	<i>J. Posthumus</i>	2010.09.03
Approved:	Bryan Ballantyne Principal Engineer Product Development - Coaches		

LIST OF REVISIONS

Revisions (Series)	Train set No.	Date	Name	Description of modification
1	2	25/01/2011	J. Posthumus	Adding a new component: Air – Curtain to be fitted at entrance to sterilization room.

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AIR CONDITIONING KIT 24 FOR PHELOPHEPA 2 DENTAL COACH 15

1. SCOPE

THIS SPECIFICATION DESCRIBES THE AIR CONDITIONER KIT TO BE SUPPLIED FOR PHELOPHEPA 2 DENTAL COACH 15. THE MATERIAL NUMBER FOR THIS KIT IS 080809196.

2. SPECIFICATION

ALL AIR CONDITIONING EQUIPMENT MUST BE SUPPLIED IN ACCORDANCE WITH TECHNICAL SPECIFICATION PD-PDC-NAT-SPEC-0044 : REQUIREMENTS FOR AIR CONDITIONING UNITS ON MAIN LINE POWER CAR TRAIN SETS.

3. AIR CONDITIONER UNITS REQUIRED

THE VARIOUS COMPONENTS AND QUANTITIES REQUIRED FOR PHELOPHEPA 2 DENTAL COACH 15 ARE TABULATED BELOW :

Phelophepa 2 Dental Coach 15			
Component	Type	Qty	Notes
Standard evaporator mid-wall mounted	Daikin: 2,5kW R410 inverter driven	3	The unit in the Sterilization room must be of special design to adhere to hospital sterilization policies
Standard condenser unit	Daikin: 2,5kW R410 inverter driven	3	
Standard cassette evaporator unit	Daikin: FBQ71B8V38	3	
Standard condenser units	Daikin: RZQ71B9V3B	3	
Remote control	Daikin: BRC1D528	6	In the case of the wall mounted units only portable remote control units could be available.
Evaporator cover	SME custom manufactured	3	
Copper A/C pipes	Fittings on each side	6 sets	
Fresh air fan	VZE 100CB	3	
Extraction fan	VZE 100CB	1	To be fitted into the Sterilization room
Fresh air ducting	With inlet and outlet louvers	2 sets	
Four core silicon cable	Cable between indoor and outdoor units	±80m	
Connecting wire	Between indoor unit and remote control	3 sets	
Air - Curtain	To be determined	1	To be fitted at the entrance to sterilization room.

4. AIR-CONDITIONING LAYOUT :

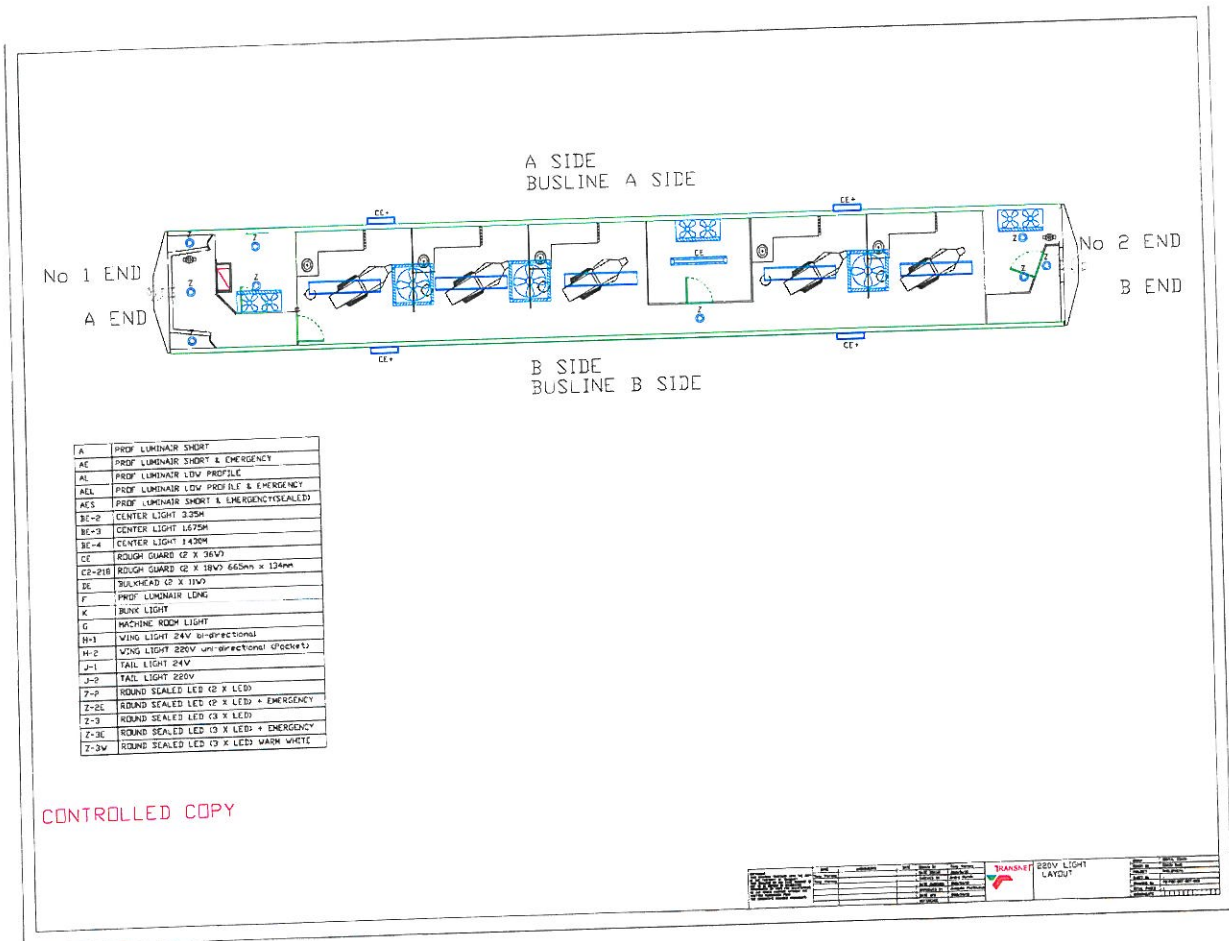
Refer to sketch PD-PDC-NAT-SKT-0211

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