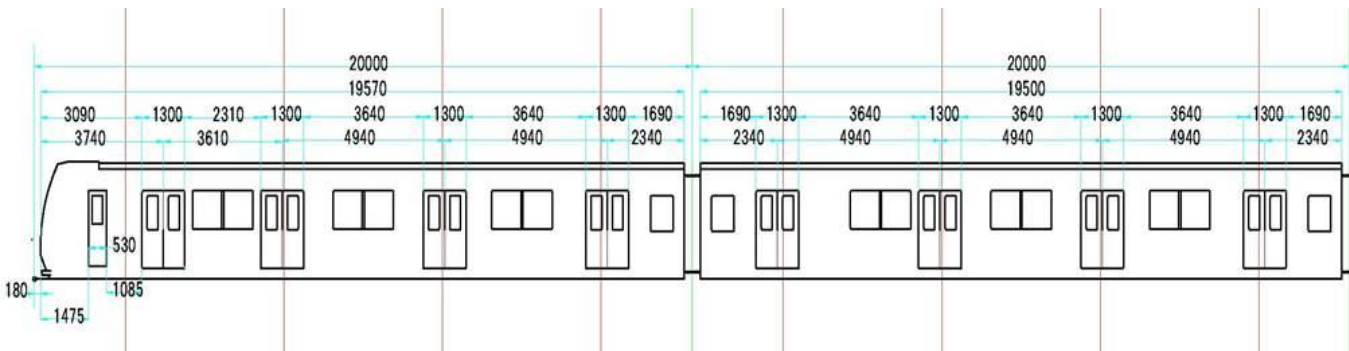


**Metro Manila Subway Project Phase 1  
Package CP106: E&M Systems and Track Works**

ITEM NO.	REFERENCE CLAUSE/SECTION	ADDENDUM No. 10
<i>Volume II, Part 2 – Volume II, Part 2 – Employer’s Requirements (ER) c) Technical Requirements (ERT)</i>		
1.	<p><b>ERT, 7) PSD SYSTEM,</b></p> <p><b>7.3. DESIGN REQUIREMENTS,</b></p> <p><b>7.3.1 GENERAL REQUIREMENTS</b></p>	<p><b>Revise item no. (2) with the following requirements:</b></p> <p>(2) PSD system shall be designed to accommodate 8-car train. Each door-set shall comprise of a pair of sliding screen doors, equally spaced to correspond with the door openings of 8-car train.</p> <p><u>Atypical layout of the MMSP train with door positioning is in Figure 7.1 shown below.</u></p> <div style="text-align: center;">  </div> <p style="text-align: center;"><b>Figure 7.1 MMSP Train with Door Positioning</b></p>

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2.	ERT, 8) MVDE APPENDIX 1.1 12.06 REFRIGERANT HANDLING EQUIPMENT (New Section)	<p><b>Add new section with the following requirements:</b></p> <p><b>12.06 <u>REFRIGERANT HANDLING EQUIPMENT</u></b></p> <ol style="list-style-type: none"> <li>1. <u>Quantity: Two (2) sets</u></li> <li>2. <u>Functional Requirements</u> <u>Refrigerant handling equipment for servicing, maintenance and overhaul of train air-conditioners.</u> <ol style="list-style-type: none"> <li>a) <u>Pump-down refrigerant recovery unit.</u></li> <li>b) <u>Refrigerant storage container.</u></li> <li>c) <u>Refrigerant charging unit.</u></li> <li>d) <u>Refrigerant leak detector.</u></li> </ol> </li> <li>3. <u>Design</u> <ol style="list-style-type: none"> <li>a) <u>The equipment shall be of high quality for commercial capacity to maintain and overhaul train air-conditioners for a fleet of 30 trains with 10 cars per train.</u></li> <li>b) <u>The sets of equipment shall be configured to readily dispose recovered refrigerant in storage containers and not to release it in workshop areas.</u></li> </ol> </li> <li>4. <u>Interface Requirement</u> <u>Interface shall be taken with the Rolling Stock Contractor regarding equipment interface.</u></li> </ol>

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