

- ttt) Design and construction of bicycle parks and handover of bicycle parks to the relevant maintenance party;
- uuu) Design and provide the required civil provisions for the PV (Photovoltaic) System at station's entrances and at-grade structures including RC and metal roofs. The Contractor shall coordinate with the Authority's E&M Consultant and SWC on the PV System requirements. The Contractor shall ensure that the station's design arising from the PV system complies with the latest prevailing Code of Practice for Fire Precautions in Rapid Transit Systems (CPFPRTS);
- vvv) Design and provide green roofs at the station's entrances;
- www) Coordinate with Singapore Civil Defence Force (SCDF) for the provision and/or relocation of the public and private fire hydrants to locations acceptable by SCDF;
- xxx) Installation of cast-in channel for platform screen door (PSD) supplied by SWC using the survey control points with respect to the design track centre line. The Contractor shall carry out his own independent survey to verify the as-built of the design track centre line. The Contractor shall coordinate with the Trackwork SWC and PSD SWC to inspect the track centre line to their satisfaction before casting of the channel to meet the tolerance of the installation of PSD;
- yyy) Provision of facilities for the Authority's Enhanced Security contractor in accordance with **Clause 13** of the Particular Specification;
- zzz) Subsequent to the issuance of a Temporary Fire Permit (TFP), the Fire Protection System will be armed. The Contractor shall provide the necessary trained manpower which may be part of his security personnel to man the Fire Detection/Protection System in order to monitor the fire safety of the related tunnel sections/stations 24 hours daily and to activate SCDF when necessary;
- aaaa) The Contractor shall design, coordinate and carry out reinstatement works and commuters' facilities within areas affected by his Works in accordance with the relevant authorities' requirements. The Contractor shall carry out a precondition survey of all existing facilities to record their existing condition for purpose of permanent reinstatement. Both soft and hard copies of the survey report shall be submitted to the Engineer and property owner. The Contractor shall be fully responsible for the reinstatement, including design and consultation, coordination, construction and handover to the property owners' acceptance;

- 2.5.3 The QP(D) for architectural works is required to appoint at least one (1) Resident Architect and one (1) Resident Technical Officer (RTO) providing site supervision for all the architectural works and fire safety works (fire safety measures) from commencement of architectural works till Completion of Whole of the Works. Resident Architect(s) and RTO(s) shall work closely with the Authority's architects in reviewing and recommending approval of all architectural mock up and material sample submission, as well as architectural works on site to the Engineer's acceptance.
- 2.5.4 The QP(Architecture) shall periodically inspect the Works on site to satisfy his statutory duties under the Building Control Act and Fire Safety Act respectively. He shall sign off the Certificate of Supervision for the architectural works and Fire Safety Works (Fire Safety Measures) for the Station which is required for the application for and to obtain TFP or TOP. The QP to supervise the architectural works and fire safety works (fire safety measures) shall be the same person as the QP who prepared and endorsed the submission plans of the Works.
- 2.6 Accredited Checker (AC)**
- 2.6.1 Without absolving the Contractor's design duties and responsibilities under Contract in general and **Clause 9.5** of the Conditions of Contract specifically, the Authority will appoint under a separate contract, an AC / AC (Geo), hereafter referred to as the AC, as required by the Building Control Act and the Building Control Regulations to check the Temporary and Permanent Works design carried out by the Contractor.
- 2.6.2 The Contractor shall prepare Approval In Principle (AIP) documents, plans, drawings and all necessary design calculations of Temporary and Permanent Works and submit them to the AC for checking at each stage of the design as indicated in **Appendix I** of the General Specification. The Contractor and his QP(D) shall liaise with the AC to resolve all technical issues expeditiously to the satisfaction of the AC. The Contractor is not entitled to any time extension and/or cost for complying to the AC's requirements and any delay in the resolution of the technical issues.