

**Technological & Higher Education Institute of Hong Kong**  
**Construction Technology & Engineering Department**  
**Programme: BEng. (Hons) in BSE (Year 2)**  
**Module: SBS5224 Engineering Management**  
**Assignment 1 (Individual Assignment): Measurement of Works**  
**(15%)**

Your company is invited to give a quotation/tender for the building services works of a Small House in Pan Long Wan, New Territories. As an assistant project engineer of the company, you are required to take off the quantities from the building services layout plans for the electrical, MVAC, plumbing and drainage installations, as well as painting for all pipes and drains.

All the wirings for the project shall be in surface conduit including all the light fittings and electrical accessories. Piping and drainage shall be exposed piping including fittings, accessories and sanitary fittings. All wirings start from the main switch board (MCB) inside the G/F store room under the staircase. The water meter where mains water comes from is located outside the kitchen. All drains will discharge into the underground septic tank adjacent to the House

Your assignment shall include all your works on taking off, squaring, abstracting & billing for the work items.

Attachments: Floor Plans, Elevations & Sections of the House

Assignment Issue Date: 18 Feb 2019 (Monday)

Assignment Return Date: 4 Mar 2019 (Monday)