**EAL Level 3 Experienced Worker Qualification**

**603/5982/1**

**Job Number \_\_\_\_**

**Design and Installation**

**Site Evidence Unit 04**

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**NAME:**

**COMPANY:**

**EMAIL:**

**TEL:**

**SUPERVISOR:**

**ASSESSOR:**

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| **Unit Code: (ETP3-04)**  **Apply Design and Installation Practice and Procedures.** | |
| **Learning Outcome 1:**  Prepare to install wiring systems, enclosures and associated equipment | |
| 1. Photo of you wearing PPE   This evidence could possibly be used on  01.2.2(a)(b)(c)  01.2.5  05.1.1(b)   1. Photo of you reading a risk assessment and a method statement   Copy of risk assessment and a method statement in miscellaneous and reference it to 04.1.1 job number 1/2  This evidence could possibly be used on  01.1.2  01.1.3(a)(b)  03.2.1  05.1.1(c)  06.2.1   1. Photo of you selecting appropriate tools. | ***Learning outcome****: 1.1*  ***Criteria****: Assess and apply appropriate procedures to include:*  *a) adopting appropriate PPE*  *b) Following a safe system of work (e.g. working in accordance with a risk assessment and method statement)*  *c) selecting appropriate tools/equipment for the installation work.*  **Address:**  **Date:** |
| 1. Photo of site storage, container or van vault.   This evidence could possibly be used on  01.3.2(a)(b)(c)  03.6.4   1. Photo of you selecting materials. 2. Photo of you reporting any pre-work damage to the customer/client or site/line manager. State what the damage is. 3. Photo of you confirming with your supervisor the area is ready for you to start work. 4. Photo of you getting authorisation from your manager for the installation work to start. | ***Learning outcome****: 1.2*  ***Criteria****: Prepare to install wiring systems, enclosures and associated equipment, to include:*  *a) confirm site storage facilities for tools, equipment, materials and components*  *b) select materials (equipment and components) in accordance with the installation specification*  *c) report any pre-work damage/defects to existing equipment or building features, to the relevant person (such as: customer/client, site/line manager)*  *d) confirm site readiness for installation work to begin*  *e) confirm authorisation for the installation work to start.*  **Address:**  **Date:** |
| Photo of you checking materials against against delivery note for quantity and any damage.  This evidence could possibly be used on  03.6.3 | ***Learning outcome****: 1.3*  ***Criteria****: Use documentation to confirm that materials and equipment is of the correct quantity and is free from damage.*  **Address:**  **Date:** |
| Photo of you checking that what you are about to install will not be obstructing other services. | ***Learning outcome****: 1.4*  ***Criteria****: Ensure the planned location for the wiring system and associated equipment are compatible with other building services (e.g. gas, water or other electrical services)*  **Address:**  **Date:** |
| Photo of you looking at the drawings to be sure the   1. cosmetic appearance will be acceptable 2. the external influences are adequate. i.e. IP ratings | ***Learning outcome****: 1.5*  ***Criteria****: Check the planned location for the wiring system in terms of:*  *a) cosmetic appearance*  *b) external influences*  **Address:**  **Date:** |
| **Learning Outcome 2:**  Interpret appropriate information for the installation of wiring systems, enclosures and associated equipment. | |
| Photos of   1. Job specifications.   Copy of job specification in miscellaneous and reference it to 04.2.1(a) job number 1/2  This evidence could possibly be used on 04.4.1(c)  (b) Programme of work.  Copy of Programme of work in miscellaneous and reference it to 04.2.1(b) job number 1/2   1. Manufacturer’s instructions   Copy of manufacturer’s instructions in miscellaneous and reference it to 04.2.1(C) job number 1/2  This evidence could possibly be used on 04.4.1(d)   1. layout drawings   Copy of layout drawings in miscellaneous and reference it to 04.2.1(d) job number 1/2   1. BS 7671   OR Guidance Notes 3  OR On-site guide  OR Guide to the building regulations.  (State why you are using them)  This evidence could possibly be used on 04.4.1(b) | ***Learning outcome****: 2.1*  ***Criteria****: Use sources of information to enable the installation of wiring systems, enclosures and associated equipment to be carried out including:*  *a) specifications*  *b) Work schedules/programmes*  *c) Manufacturer’s instructions*  *d) layout drawings*  *e) other appropriate source of information (e.g. BS 7671 other plans or diagrams, ‘approved documents’, building regulations)*  **Address:**  **Date:** |
| **Learning Outcome 3:**  Install wiring systems, and equipment in accordance with current relevant statutory and non-statutory regulations. | |
| Photos of you measuring and marking out trunking or conduit or tray.  Could be using spirit level or laser lever or chalk line. | ***Learning outcome****: 3.1*  ***Criteria:*** *Use appropriate measures and marking out techniques which are appropriate to the wiring system, wiring enclosures and/or associated equipment that is being installed.*  **Address:**  **Date:** |
| Photos of installing (not terminating) **any 4** off the list:-  These should show you in the process of installing and not a completed install. **At least 3** photos (of each) at different stages showing start, middle and end of job. | ***Learning outcome****: 3.2*  ***Criteria****: Install cables in accordance with the BS7671, the installation specification and*  *programme of work:*  ***Cover Four:***  *a) Single core (singles)*  *b) multicore insulated*  *c) PVC/PVC flat profile cable*  *d) MICC*  *e) fire performance*  *f) SWA cable*  *g) GSWB galvanised steel wire braid*  *h) data*  **Address:**  **Date:** |
| Photos of installing **any 4** off the list:-  These should show you in the process of installing and not a completed install. **At least 5** photos (of each) at different stages showing start, middle and end of job. | ***Learning outcome****: 3.3*  ***Criteria****: Install the following in accordance with BS7671, the installation specification and agreed planned programme of work:*  ***Cover Four:***  *a) PVC conduit*  *b) metal conduit*  *c) PVC trunking*  *d) metal trunking*  *e) cable tray*  *f) cable basket*  *g) ladder system*  *h) ducting*  *i) modular wiring systems*  *j) busbar system or powertrack*  **Address:**  **Date:** |
| Photos of installing (before they are terminated) **any 4** off the list:-  **At least 3** (of each) photos at different stages . | ***Learning outcome****: 3.4*  ***Criteria****: Install the following types of electrical equipment and accessories, in accordance with BS7671, the installation specification, manufacturers’ instructions and the programme of work:*  ***Cover Four:***  *a) isolators/switches*  *b) socket-outlets*  *c) distribution-boards/consumer units*  *d) overcurrent protective devices*  *e) luminaires*  *f) data socket outlets*  *g) other appropriate equipment (e.g. heating system components, control equipment)*  **Address:**  **Date:** |
| Photo of you communicating with a work colleague while carrying out installation work. State what is being discussed. | ***Learning outcome****: 3.5*  ***Criteria:*** *Communicate with others professionally and appropriately to aid the effective installation of the wiring system/equipment*  **Address:**  **Date:** |
| Photos of you disposing of waste in the correct skip/bin.  This evidence could possibly be used on  01.4.1(a)  03.4.2(e) | ***Learning outcome****: 3.6*  ***Criteria:*** *Dispose of waste materials in accordance with site procedures and statutory requirements.*  **Address:**  **Date:** |
| **Learning Outcome 4:**  Confirm the quality of the completed work. | |
| Photos of you checking the enclosures:-   1. are the correct type and fit for purpose 2. comply with BS7671   This evidence could possibly be used on 04.2.1(e)   1. comply with installation specification. Could be an email.   Copy of email in miscellaneous and reference it to 04.4.1(C) job number ½  This evidence could possibly be used on 04.2.1(a)   1. comply with manufacurers instructions. Could be an email.   Copy of email in miscellaneous and reference it to 04.4.1(d) job number ½  This evidence could possibly be used on  03.1.2  04.2.1(c) | ***Learning outcome****: 4.1*  ***Criteria:*** Ensure the installed wiring system/s and enclosure/s meet specified requirements including that they:  a) are the correct type and fit for purpose  b) are installed in accordance with BS7671  c) meet the installation specification/other relevant plans/instructions  d) are installed in accordance with any relevant manufacurer instructions  **Address:**  **Date:** |