

**CT/COMM1/0057**

**BOOKLET 3**

**WORKS CONTRACTORS BRIEF**

**PART 2 – DETAILED PERFORMANCE SPECIFICATION**

**DESIGN AND BUILD – TECHNICAL AND DOMESTIC ACCOMMODATION,**

**PERMANENT AND SEMI-PERMANENT STAFF**

**AT**

**LAIKIPIA AIR BASE (EAST), KENYA**

170 (Infra Sp) Engr Gp 30 Jun 14

PART 2 – DETAILED PERFORMANCE SPECIFICATION

Introduction

1. General. This Detailed Performance Specification (Det PSpec) outlines the requirements for the various projects to be designed and constructed during Phase 2B of the British Army Training Unit Kenya (BATUK) Development Plan. This Det PSpec is to be read in conjunction with Part 1 – Generic Performance Specification (Gen PSpec) and Part 3 – Pre-Construction Information (PCI). The requirements for each of the projects are set out in the annexes to this Det PSpec.
2. A list of drawings supplied by the Authority is listed below. The drawings show indicative layouts only and should be developed in accordance with the guidance laid out in Booklet 3.

Design responsibilities

1. The Contractor is responsible for the detailed design of all the construction, electrical, mechanical and fire safety elements including but not restricted to infrastructure, power, water, drainage and communications necessary to deliver the facilities that meet the specified projects requirement. All designs are to be submitted to the Authority for concurrence prior to the associated section of works commencing on site. Details of the contractors design responsibilities are included within Part 1 – Gen PSpec.

**Design references**

1. The works are to be designed in accordance with the instructions specified within the Gen PSpec, which is intended to indicate to the Contractor some of the key design references that the works must comply with and is not necessarily exhaustive.

**Contractor responsibility**

1. The quantities highlighted in this Det PSpec and associated concept drawings are approximate figures and it remains the Contractor’s responsibility to accurately quantify the required works.

Quality management

1. The Contractor is responsible for managing the quality of the works delivered, in accordance with the quality management instructions specified within Part 1 – Gen PSpec.

**Provided by others**

Authority supplied equipment is stated for guidance at design stage. Equipments that are not annotated ‘supplied and installed by others’ are to be supplied by the Contractor. Equipments that are annotated as ‘supplied and installed by others’ will be supplied and installed post construction

Inspection, testing and commissioning

1. Detailed inspection, testing and commissioning instructions are provided in Part 1 – Gen PSpec. All systems and services must have had their final tests and commissioning carried out and be in full working order prior to the date of the Handover Board. All associated commissioning paperwork is to be available at this board.

Annexes:

A. Detailed Performance Specification – QM Dept

B. Detailed Performance Specification – WO Log Dept

C. Detailed Performance Specification – DIO SD Trg (K) Facility

D. Detailed Performance Specification – P&RTC

E. Detailed Performance Specification – HQ BATUK

F. Detailed Performance Specification – 105mm Gun Shed

G. Detailed Performance Specification – Combined Officers and Senior Non Commissioned Officers Mess **(TO FOLLOW)**

H. Detailed Performance Specification – Community Centre

I. Detailed Performance Specification – Armoury

J. Detailed Performance Specification – Single Living Accommodation

**Definitive Drawing List**

Drawings (PDF Versions):

CTD1040032/E/01/09 South Site Power Reticulation-SSA

CTD1040032/E/01/10 South Site Power Reticulation-SSB

CTD1040032/E/01/11 South Site Power Reticulation-SSC

CTD1040032/E/01/12 South Site Power Reticulation-SSD

CTD1040032/E/01/02 DSS-A Power Distribution Layout

CTD1040032/E/01/03 DSS-B Power Distribution Layout

CTD1040032/E/01/04 DSS-C Power Distribution Layout

CTD1040032/E/01/05 DSS-D Power Distribution Layout

Combined Document (20140620-BATUK\_Storm\_Water\_Combined) containing:

CTD1040032/C/01/ST/01 Storm Water Details – Storm Water layout Entire Site

and Culvert Schedule

CTD1040032/C/01/ST/02 Storm Water Layout – Region 01

CTD1040032/C/01/ST/03 Storm Water Layout – Region 02

CTD1040032/C/01/ST/04 Storm Water Layout – Region 03

CTD1040032/C/01/ST/05 Storm Water Layout – Region 04

CTD1040032/C/01/ST/06 Storm Water Layout – Region 05

CTD1040032/C/01/ST/07 Storm Water Details – Storm Drain Details, Culvert

Details and Gully Pot Details

Drawings (Dwg Versions)

**Town Plan:**

170/BATUK/PHASE\_2B/G/001 Proposed Site Plan

**Item 1:**

04\_04\_01\_42050\_213C/C006 Quartermaster Department Elevations

04\_04\_01\_42050\_213C/C007 Quartermaster Department Floor Plan

04\_04\_01\_42050\_213C/E/005 QM Department Small Power Location Plan

04\_04\_01-42050-213C-E-06 QM Department Fire Safety Plan

170/BATUK/42050/213/G/001 WO LOG/QM Dept Compound Hardstanding and Fence Location

**Item 2:**

04\_04\_01\_42050\_213B/C/004 WO Logistics Department Elevations

04\_04\_01\_42050\_213B/C/005A WO Logistics Department Floor Plan

04\_04\_01-42050-213B-E-04 WO Log Department Fire Safety Plan

04\_04\_01\_42050\_213B/E/003 WO Log Department Small Power Location Plan

170/BATUK/42050/213/G/001 WO LOG/QM Dept Compound Hardstanding and Fence Location

**Item 3:**

04\_04\_01\_42050\_213A/C/003 DIO SD Trg (K) Offices Elevations

04\_04\_01\_42050\_213A/C/002 DIO SD Trg (K) Offices Floor Plan

04\_04\_01\_42050\_213A/E/01 DIO SD Trg (K) Offices Small Power Location Plan

170/BATUK/42050/213/G/001 WO LOG/QM Dept Compound Hardstanding and Fence Location

**Item 4:**

04\_04\_01-42050-P&RTC-C-01 Proposed P&RTC Location Plan

04\_04\_01-42050-P&RTC-C-02 Proposed P&RTC Elevations

04\_04\_01-42050-P&RTC-C-03 Proposed P&RTC Floor Plan

04\_04\_01-42050-P&RTC-E-01 Proposed P&RTC Fire Alarm and Emergency Lighting Layout

04\_04\_01-42050-208-E-01 Proposed P&RTC Distribution Layout

**Item 5:**

04\_04\_01\_42050\_206/C/002 BATUK HQ Building Elevations

04\_04\_01\_42050\_206/C/003 BATUK HQ Building Floor Plans

04\_04\_01\_42050\_206/E/001 BATUK HQ Ground Floor Small Power Location Plan

04\_04\_01\_42050\_206/E/002A BATUK HQ Fire Safety Plan

**Item 6:**

04\_04\_01\_42050\_213F/C/010A 105 mm Light Gun Shed Elevations

04\_04\_01\_42050\_213F/C/011 105 mm Light Gun Shed Floor Plan

04\_04\_01\_42050\_213F/E/001 105 mm Light Gun Shed Small Power Location Plan

**Item 7:**

170/BATUK/42050/219/G/001 Floorplan

170/BATUK/42050/219/C/001 Combined Mess Facilities Floor Plan

170/BATUK/42050/219/C/002 Combined Mess Facilities Table Layout & Supplementary Lighting Plan

170/BATUK/42050/2019/E/001 Small Power Layout

**Item 8:**

04/04/01/42050/206/C/008 B Community Centre Elevations

04\_04\_01\_42050\_206/C/009C Community Centre Floor Plan

04/04/01/42050/206/E/007D Community Centre Small Power Location Plan

04/04/01/42050/206/E/008C Community Centre Fire Safety Plan

**Item 9:**

170/BATUK/42050/214/C/001 Proposed Armoury Site Plan

170/BATUK/42050/214/C/002 Proposed Armoury Floor Plan

170/BATUK/42050/214/C/004 Proposed Armoury Elevations and Cut

170/BATUK/42050/214/E/001A Proposed Armoury Electrical Layout

170/BATUK/42050/214/E/002 Proposed Fire Safety Plan

**Item 10:**

170/BATUK/204/SLA/C/005 X-Type SLA Concept

170/BATUK/204/SLA/E/002 X-Type SLA Electrical Layout

**Item 11:**

170/BATUK/204/SLA/C/006 Y-Type SLA Concept

170/BATUK/204/SLA/E/001 Y-Type SLA Concept Electrical Layout

**Item 12:**

CTD1040032/A/05A/004 JNCO Type Z 8 Man Block – Ground Floor Plan

CTD1040032/A/05A/005 JNCO Type Z 8 Man Block – First Floor Plan

CTD1040032/A/05A/009 JNCO Type Z 8 Man Block – Elevations

CTD1040032/E/5/02 JNCO Accom – Ground Floor Plan Power

CTD1040032/E/5/03 JNCO Accom – Ground Floor Plan Fire Strategy

CTD1040032/E/5/06 JNCO Accom – First Floor Plan Power

CTD1040032/E/5/07 JNCO Accom – First Floor Plan Fire Strategy

**Item 13:**

62/42050/MED/C/001B dated 28 Oct 14 - Medical and Dental Centre, Concept Building Layout.

62/42050/MED/C/002A dated 28 Oct 14 - Medical and Dental Centre, Dental Centre Floor Plan.

62/42050/MED/C/003A dated 28 Oct 14 - Medical and Dental Centre, Dental Surgery Layout.

62/42050/MED/C/004A dated 28 Oct 14 - Medical and Dental Centre, Dental Chair Services.

62/42050/MED/C/005A dated 28 Oct 14 - Medical and Dental Centre, Dental Surgery Services.

62/42050/MED/C/006A dated 28 Oct 14 - Medical and Dental Centre, Dental Surgery X-Ray Layout.

62/42050/MED/C/007A dated 28 Oct 14 - Medical and Dental Centre, CSSD Layout.

62/42050/MED/C/008A dated 28 Oct 14 - Medical and Dental Centre, CSSD Services.

62/42050/MED/C/010 dated 22 Oct 14 - Medical and Dental Centre, Dry & Cold Store and Dental Lab Layouts.

62/42050/MED/C/011 dated 22 Oct 14 - Medical and Dental Centre, Emergency Treatment and Medical Treatment Room Layouts.

62/42050/MED/E/001A dated 28 Oct 14 – Medical and Dental Centre, Concept Small Power Layout.

62/42050/MED/E/002 dated 28 Oct 14 – Medical and Dental Centre, Concept Emergency Lighting Layout.

62/42050/MED/E/003 dated 28 Oct 14 – Medical and Dental Centre, Concept Emergency Lighting Layout 1.

62/42050/MED/E/004 dated 28 Oct 14 – Medical and Dental Centre, Concept Emergency Lighting Layout 2.

62/42050/MED/E/005 dated 28 Oct 14 – Medical and Dental Centre, Concept Fire Safety Layout.

62/42050/MED/E/006 dated 28 Oct 14 – Medical and Dental Centre, Concept Fire Safety Layout 1.

62/42050/MED/E/007 dated 28 Oct 14 – Medical and Dental Centre, Concept Fire Safety Layout 2.

62/42050/MED/C/009A dated 31 Oct 14 – Medical and Dental Centre, EHT and Research Room Layout.

62/42050/MED/C/012 dated 31 Oct 14 – Pharmacy Office and Store Concept Layout.

62/42050/MED/C/013 dated 31 Oct 14 – Pharmacy Cabinetry Concept Layout.

**Annex A to**

**Booklet 3; Part 2– Det**

**PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – ITEM 1: QM DEPT**

Notes:

1. The WO Log, QMs and DIO SD Training compound outside areas are to be concrete hardstanding to the specification detailed below, car parking is to be modular block paving as specified in Booklet 3 Part 1 - see dwg 170/BATUK/42050/213/G/001 for further details:
   1. Reinforced concrete slab to be 40 N/mm2.  Transverse and longitudinal joints are required, with the transverse joints at 90 deg to the longitudinal axis of the pavement. Dowel bars and tie bars shall be incorporated.
   2. The reinforcement is to be a minimum of 4.34 kg/m (C503 mesh to BS 4483) and due to the weight of the potential vehicles using this area, the thickness of the pads are to be 200 mm.
   3. A simple brushed finish is appropriate with a minimum surface depression is 3 mm under a 3 m straight edge.  The fall for the pad is to be 1:100.
   4. Beneath the reinforced concrete slabs, a 150 mm layer of Cement Bound Material 2 (CBM2 - a strength of 7 N/mm2 at 7 days) should be laid on a sub base of 200 mm of type 1 aggregate to provide a rigid and load bearing base.
   5. Edge protection should be provided as specified within Booklet 3, Part 1, Annex C.
   6. Fuel / Oil Interception should be provided if required under Kenyan or UK Environmental regulations and guidelines.
2. The WO Log, QMs and DIO SD Training compound area is to be surrounded with a permanent security perimeter fencing in accordance with Bklt 3 Part 1, Annex C, see dwg 170/BATUK/42050/213/G/001 for further details.
3. QM Department to be one large ‘shed’ sub-divided into the areas stated in the above table. Unless otherwise stated the specific internal storage areas are to be formed of secure steel cages, including ceilings to prevent access from above.
4. Ceiling heights:
   1. Storage Areas – 3 m unless otherwise stated in the table below.
   2. Admin and Support Hub – 2.7 m.

| **Ser** | **Building/**  **Area Designation** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/Data Requirements** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | RQMS 1 Storage Area | Op Ration Pack Store (ORP) | 464 | - Near ‘Issues’ end of building  - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point |  | 2 x DSO[[1]](#footnote-1) | - MHE access and movement needed within store.  - temperature control required 15-20°C  - Internal access doors to allow MHE access. |  |
| 2 | MSA Store | 18 | - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point | - counter and hatch.  - 3 tier shelves to one side (4m total run) (2 m high x 1 m deep). | 2 x DSO | - maximise open floor area for ground loaded items. |  |
| 3 | Water Sports Store | 18.5 | - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point | - counter and hatch  - 3 runs of 3 tier shelves (6m total run) (2 m high x 0.6 m deep). | 2 x DSO |  |  |
| 4 | Clothing Store | 18 | - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point | - counter and hatch.  - 3 runs of 3 tier shelves (6m total run) (2 m high x 1 m deep). | 2 x DSO |  |  |
| 5 | Eqpt Repair | 18 | - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point | - 3 tier shelves to one side (4 m run) (2 m high x 0.6 m deep). | 2 x DSO |  |  |
| 6 | Accom Store | 122 | - On external wall  - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point | - counter and hatch. | 2 x DSO | - large roller shutter door for MHE. |  |
| 7 | Stationery Store | 45 | - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point | - counter and hatch.  - 8 m run of 4 tier shelves (2 m high x 0.6 m deep) | 2 x DSO | - maximise open floor area for ground loaded items. |  |
| 8 | Archive Store | 17.5 |  | 1 x Telephone point. | - 2 runs of 3 tier shelves (8m run total) (2 m high x 0.6 m deep). | 1 x DSO |  |  |
| 9 | GD Store | 20 |  |  | - 3 runs of 3 tier shelves (6m total run) (2 m high x 1 m deep). | 1 x DSO |  |  |
| 10 | RQMS 2 Storage Area | Backload and Hot Area | 184 | - near vehicle entrance to building |  | - painted line dividing area in half. | 2 x DSO | - open plan area 7 m x 30 m. |  |
| 11 | Medical Store | 46.5 | - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point | - counter and hatch.  - 2 runs of 3 tier shelves (10m run total) (2 m high x 0.6 m deep).  - physical anti-intruder measures: minimum 10mm dia high yield steel bars spaced at 100mm centre to centre. to be applied to windows. | 2 x DSO | - central open floor area and power for Authority supplied domestic fridge/freezer (additional to the 3 x DSO). |  |
| 12 | Expense Store | 68.5 | - on external wall  - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point | - counter and hatch.  - 3 runs of 3 tier shelves (12 m run total) (2 m high x 0.6 m deep). | 2 x DSO | - external access door. |  |
| 13 | G1098 & MODAC Store | 67.5 | - adjacent to Expense Store  - 2 x  Workstations | 8 x Comms network (data) RJ45 sockets  1 x Telephone point | - counter and hatch to serve both areas.  - 3 runs (one run in MODAC store) of 3 tier shelves (12 m run total) (2 m high x 0.6 m deep). | 4 x DSO | - one third of area to be MODAC store. |  |
| 14 | COSHH Store | 44 | - on external wall |  | - 4 x COSHH lockers provided by others. |  | - Store structure will need 1-hour fire rating.  - passive ventilation needed.  - internal door.  - external double door. |  |
| 15 | Admin and Support Hub | Office | 86 | - close to main pedestrian entrance  - 4 x  Workstations | 16 x Comms network (data) RJ45 sockets  4 x Telephone point | - floor safe (provided by others, dimensions 1830 x 760 x 470 mm, weight 150 kg). | 8 x DSO | - open plan.  -Walls and ceiling of suitable construction for occupation not storage.  - 6 personnel.  - 6 x coat hooks.  -ceiling fan |  |
| 16 | Beverage Area | 16 | - close to Office  - near ext wall to facilitate ease of drainage |  | - stainless steel sink and drainer with worktop.  - cupboard and space for domestic fridge under worktop.  - Domestic fridge.  - instantaneous water heater over sink. | 2 x DSO  Located over worktop | - power for domestic fridge (additional to 2 x DSO).  - Walls and ceiling suitable for occupation not storage. |  |
| 17 | Male toilets | 15 | - close to Office  - near ext wall to facilitate ease of drainage |  | - 2 x WC, 1 x WHB c/w mirror and light, 1 x urinal. | 1 x FCU[[2]](#footnote-2) | -Walls and ceiling of suitable construction for occupation not storage.  - hot and cold water supply and foul drainage.  - FCU for wall mounted extractor fan. |  |
| 18 | Female toilets | 15 |  | - 1 x WC, 1 x WHB c/w mirror and light. |  |  |
| 19 | Disabled Unisex Toilet | 9 |  | - 1 x WC, 1 x WHB c/w mirror and light.  - DDA compliant. |  |  |
| 20 | General | Plant Room | As reqd | - on external wall |  |  | 1 x DSO | - DMG 008 compliant. |  |
| 21 | Adventure Training Store | 184 | - on external wall  - no access required from inside the QM building  - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point | - counter and hatch.  - 50m run of 3 tier shelves (2 m high x 0.6 m deep). | 2 x DSO | - access via double doors. |  |
| 22 | Unloading area | As reqd | - external to building  - adequate room for MHE movement |  |  |  | - access ramps (max slope 1:20) for MHE and pallet trucks.  - to facilitate end or side loading by MHE. |  |
| 23 |  | Footpaths, Access Roads and Car Park | As Reqd | - to link the building entrances with the existing roads and footpaths |  | - Concrete Hardstanding (see note 1).  - Car park to be Modular block paving (See note 1). |  |  |  |

**Annex B to**

**Booklet 3; Part 2– Det PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – ITEM 2: WO LOG DEPT**

Notes:

1. The WO Log, QMs and DIO SD Training compound outside areas are to be concrete hardstanding to the specification detailed below, car parking is to be modular block paving as specified in Booklet 3 Part 1 - see dwg 170/BATUK/42050/213/G/001 for further details:
   1. Reinforced concrete slab to be 40 N/mm2.  Transverse and longitudinal joints are required, with the transverse joints at 90 deg to the longitudinal axis of the pavement. Dowel bars and tie bars shall be incorporated.
   2. The reinforcement is to be a minimum of 4.34 kg/m (C503 mesh to BS 4483) and due to the weight of the potential vehicles using this area, the thickness of the pads are to be 200 mm.
   3. A simple brushed finish is appropriate with a minimum surface depression is 3 mm under a 3 m straight edge.  The fall for the pad is to be 1:100.
   4. Beneath the reinforced concrete slabs, a 150 mm layer of Cement Bound Material 2 (CBM2 - a strength of 7 N/mm2 at 7 days) should be laid on a sub base of 200 mm of type 1 aggregate to provide a rigid and load bearing base.
   5. Edge protection should be provided as specified within Booklet 3, Part 1, Annex C.
   6. Fuel / Oil Interception should be provided if required under Kenyan or UK Environmental regulations and guidelines.
2. The WO Log, QMs and DIO SD Training compound area is to be surrounded with a permanent security perimeter fencing in accordance with Bklt 3 Part 1, Annex C, see dwg 170/BATUK/42050/213/G/001 for further details.
3. WO Log Department to be one large ‘shed’ sub-divided into the areas stated in the above table. Unless otherwise stated the specific internal storage areas are to be formed of secure steel cages, including ceilings to prevent access from above.
4. Ceiling heights:
   1. Storage Areas – 3 m unless otherwise stated.
   2. Admin and Support Hub – 2.7 m.

Building is to be fully compliant with Building and DDA Regulations and have a minimum of 1 x DDA unisex WC.

| **Ser** | **Building/**  **Area Designation** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/Data Requirements** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Storage Areas | Central Storage Area | 980 | - open area located centrally within the storage ‘shed’. |  | - 3 runs of 3 tier shelves (210 m run total) (3 m high x 1m deep) with 3 m clearance between shelving runs. |  | - access for personnel and hand pallet trucks required between and around shelving runs. | Task lighting levels in accordance with Society for Light and Lighting Handbook (SLL) for whole building |
| 2 | RSG Storage Packing Area | 52.5 | - open area adjacent to the building MHE route  -1 x  Workstation | 4 x Comms network (data)  RJ45 sockets  1 x Telephone point | - area delineated by hard-wearing painted floor lines.  - 1 run of 3 tier shelves (3 m run total) (2 m high x 1m deep).  - packing bench against wall 5 m long, 1 m high, 1 m deep.  - counter 1.5 m high and 1 m deep at front of area.  - task lighting to packing bench for 3 work points. | 2 x DSO | - shelving, packing bench and counter sited to maximise available floor area for ground storage of boxes, whilst maintaining adequate access for personnel and hand pallet trucks. |
| 3 | Backload Storage Area | 80.5 | - open area adjacent to RSG Storage Packing Area |  | - area delineated by hard-wearing painted floor lines and marked out with 3 ‘lanes’ each 2.5 m wide. | 1 x DSO |  |
| 4 | Receipts Storage Area | 80.5 | - open area adjacent to RSG Storage Packing Area |  | - area delineated by hard-wearing painted floor lines and marked out with 3 ‘lanes’ each 2.5 m wide. | 1 x DSO |  |
| 5 | BOWMAN Store | 17.5 |  |  | - 2 runs of 3 tier shelves (10m run total) (2 m high x 1 m deep).  - Internal pedestrian access door. | 1 x DSO | - Room formed of secure cage including ceiling.  - shelving positioned against walls leaving central area clear for access and working area. |  |
| 6 | MFO Store | 46.5 | - adjacent to the building MHE route |  | - internal double doors to allow personnel and hand pallet truck access. | 2 x DSO | - Room formed of secure cage including ceiling. |  |
| 7 | CRB Store | 17.5 |  |  | - 2 runs of 3 tier shelves (10 m run total) (2 m high x 1m deep).  - internal pedestrian access door. | 1 x DSO | - Room formed of secure cage including ceiling.  - shelving positioned against walls leaving central area clear for access and working area. |  |
| 8 | ACTO Store | 17.5 |  |  | - 2 runs of 3 tier shelves (10 m run total) (2 m high x 1 m deep).  - internal pedestrian access door. | 1 x DSO | - Room formed of secure cage including ceiling.  - shelving positioned against walls leaving central area clear for access and working area. |  |
| 9 | Tyre Store | 259 | - adjacent to the building MHE route |  | - internal double doors to allow personnel and hand pallet truck access. | 2 x DSO | - Room formed of secure cage including ceiling. |  |
| 10 | Auction Lots Store | 259 | - adjacent to the building MHE route |  | - internal double doors to allow personnel and hand pallet truck access.  - packing bench against wall 3 m long x 1 m high x 1 m deep.  - task lighting to packing bench. | 3 x DSO | - Room formed of secure cage including ceiling. | Task lighting levels in accordance with Society for Light and Lighting Handbook (SLL) for whole building |
| 11 | Engine and Assembly Store | 350 | - adjacent to the building MHE route |  | - internal double doors to allow personnel and hand pallet truck access. 2 runs of 3 tier shelves (3 m high x 1 m deep) with 3 m clearance between shelving runs. | 3 x DSO | - ideally situated close to ‘shed’ entrance/exit. |  |
| 12 | Issue and Receipts Area | 31 | - open area adjacent to the building entrance  - 2 x  Workstations | 8 x Comms network (data)  RJ45 sockets  2 x Telephone point | - 3 counters each 3m long, 1.5 m high and 1 m deep to support computer and monitor.  - 3 bays each 3 m x 4 m marked out with hard-wearing painted floor lines. | 4 x DSO | - 1 ‘receipt’ counter to be sited on the opposite side of the entrance to the 2 ‘issue’ counters. |  |
| 13 | COSHH Store | 18.5 | - pedestrian access door |  | - walls and ceiling to be 1-hour fire rated construction. |  | - passive ventilation needed. |  |
| 14 | Office & Admin Area | DP Staff Office | 31 | - close to main building entrance.  - 4 x  Workstations | 8 x Comms network (data)  RJ45 sockets  2 x Telephone point | - walls and ceiling to 1-hour fire rated construction. | 8 x DSO | - adjacent to ‘receipts’ counter.  Walls and ceiling of suitable construction for occupation not storage  - Ceiling fan |  |
| 15 | WO Log Staff Office | 83.5 | - adjacent to secondary building entrance  - 9 x  Workstations | 36 x Comms network (data) RJ45 sockets  9 x Telephone point | - walls and ceiling to be 1-hour fire rated construction. | *18 x DSO* | -Walls and ceiling of suitable construction for occupation not storage.  - 3 x Ceiling fan |  |
| 16 | Beverage Area | 9 | - near to offices  - on external wall to facilitate ease of drainage. |  | - stainless steel sink and drainer with worktop.  - cupboard under worktop.  - Instantaneous water heater over sink.  - Domestic fridge. | 2 x DSO | - power for domestic fridge.  - Domestic fridge supplied by Contractor.  - structure will be minimum 1-hour fire rated.  -Walls and ceiling of suitable construction for occupation not storage.  - water supply and drainage. |  |
| 17 | Male Toilets | 9 |  | - 2 x WC, 2 x WHB c/w mirror and light, 1 x urinal | 1 x FCU | - structure will need 1-hour fire rated.  -Walls and ceiling of suitable construction for occupation not storage.  - hot and cold water supply and foul drainage.  - FCU for wall mounted extractor fan. |  |
| 18 | Female Toilets | 9 |  | - 1 x WC, 1 x WHB c/w mirror and light | 1 x FCU |  |
| 19 | Disabled Unisex Toilet | 9 |  | - 1 x WC, 1 x WHB c/w mirror and light  - DDA compliant | 1 x FCU |  |
| 20 | General | Plant Room | 10.5 | - on external wall. |  |  | 1 x DSO | - DMG 008 compliant |  |
| 21 | Building Entrances and Exits | - | - 2 roller shutter doors to allow MHE access and egress.  - 2 pedestrian doors adjacent to each roller shutter doors.  - secondary pedestrian access (if building layout dictates) to serve the Office & Admin Area |  |  |  | - additional fire exits as required by the building layout. |  |
| 22 |  | Receipts desk |  | - adjacent to main entrance  - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets 1 x Telephone point |  | 2 x DSO |  |  |
| 23 |  | Issue desk |  | - adjacent to main entrance  - 1 x  Workstation | 4 x Comms network (data) RJ45 sockets 1 x Telephone point |  | 2 x DSO |  |  |
| 24 |  | Footpaths, Access Roads and Car Park | As Reqd | - to link the building entrances with the existing roads and footpaths |  | - Concrete Hardstanding (see note 1).  - Car park to be Modular block paving (See note 1). |  |  |  |

**Annex C to**

**Booklet 3; Part 2– Det PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – DIO SD TRG (K) FACILITY**

Notes:

1. The WO Log, QMs and DIO SD Training compound outside areas are to be concrete hardstanding to the specification detailed below, car parking is to be modular block paving as specified in Booklet 3 Part 1 - see dwg 170/BATUK/42050/213/G/001 for further details:
2. The WO Log, QMs and DIO SD Training compound area is to be installed with permanent security perimeter fencing in accordance with Bklt 3 Part 1, Annex C.
3. Building is to be fully compliant with DDA and have a minimum of 1 x DDA unisex WC.

| **Ser** | **Building/**  **Area Designation** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/Data Requirements** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Office & Admin Hub | AP Office | 21 | - adjacent to combined Office.  - access via staff entrance.  - 2 x  Workstations | 8 x Comms network (data) RJ45 sockets  2 x Telephone point | - 1 run of 3 tier shelves (5m run total) (2 m high x 0.6 m deep).  - wall to be capable of supporting key presses (supplied by others). | 4 x DSO | - 2 personnel.  - Ceiling fan |  |
| 2 | Combined Office | 93 | - adjacent to customer entrance (front of building).  - customer door opening onto counter.  - 12 x  Workstations | 48 x Comms network (data)  RJ45 sockets  12 x Telephone point | - waiting area.  - 1 ‘L’ shaped counter 5 m long, 1.5 m high and 1m deep c/w lift-up counter flap. To be capable of supporting computer and monitor. | 24 x DSO | - 12 personnel.  - separate access door for staff via staff entrance to the building.  - 3 x Ceiling fan |  |
| 3 | Conference Room | 35 | - adjacent to AP Office.  - pedestrian door to AP Training Area  - 1 x Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point | - projector and screen located on the North wall.  - To house conference table to seat 10 personnel (supplied by others). | 6 x DSO | - 2 x Ceiling fan |  |
| 4 | LEC Foreman Office | 18.5 | - access from internal corridor | 2 x Telephone points. |  | 6 x DSO | - Ceiling fan |  |
| 5 | Male Toilets | 10.5 | - near to offices  - on external wall to facilitate ease of drainage. |  | - 2 x WC, 1 x WHB c/w mirror and light, 1 x urinal. | 1 x FCU | - hot and cold water supply and foul drainage.  - FCU for wall mounted extractor fan. |  |
| 6 | Female Toilets | 10 |  | - 1 x WC, 1 x WHB c/w mirror and light. | 1 x FCU |  |
| 7 | Disabled Unisex Toilet | 5.5 |  | - 1 x WC, 1 x WHB c/w mirror and light.  - DDA compliant. | 1 x FCU |  |
| 8 | Beverage Bay | 9 |  | - stainless steel sink and drainer with worktop.  - cupboard under worktop.  - Instantaneous water heater over sink.  - Domestic fridge. | 3 x DSO | - power for domestic fridge.  - structure will need suitable fire rating.  - hot and cold water supply and drainage. |  |
| 9 | Internal Storage | Tool Store | 113 | - adjoining General Store.  - access from internal corridor. |  | - 1 ‘L’ shaped counter 5 m long x 1.5 m high x 1 m deep c/w lift-up counter flap.  - 3 runs of 3 tier shelves (36 m run total) (2 m high x 0.6 m deep). | 1 x DSO | - connecting door to General Store. |  |
| 10 | General Store | 300 | - adjoining Tool Store.  - access from internal corridor. |  | - 4 runs of 3 tier shelves (96 m run total) (2 m high x 0.6 m deep). | 5 x DSO | - connecting door to Tool Store. |  |
| 11 | Secure Archive Space | 79 | - close to offices.  - access from internal corridor |  | - 4 runs of 3 tier shelves (60 m run total) (2 m high x 0.6 m deep). | 2 x DSO |  |  |
| 12 | External Storage | Scaffold & Ladder Store | 31.5 | - external access only.  - close to road and car park. |  | - open-air walled masonry compound secured by double chain link vehicle gates.  - 1 wall to be fitted with ladder storage brackets.  - bulkhead lighting to walls at high level. |  | - gates to be outward opening to maximise available ground storage area.  - floor can be compacted granular material. |  |
| 13 | COSHH Store | 10.5 | - external pedestrian access door. |  |  |  | - passive ventilation needed.  - walls and ceiling to be of suitably fire rated construction. | Floors to be constructed of concrete with suitable non-slip finish. Floors sloped to provide surface water drainage to a separator before disposal in accordance with relevant regulations. |
| 14 | Generator Store | 52.5 | - external access only.  - close to road and car park. |  | - masonry walled compound secured by double chain link vehicle gates.  - bulkhead lighting to walls at high level. |  | - gates to be outward opening to maximise available ground storage area.  To store 4 x 15/20 kVA and 1 x 60 kVA |
| 15 | Building Materials Store | 52.5 | - external access only.  - close to road and car park. |  | - masonry walled compound with 3 open fronted bays (5 m wide x 4 m deep) each secured by double chain link vehicle gates.  - side and back walls to be concrete block 2 m high.  - separating walls to be concrete block 1.5 m high. |  | - gates to be outward opening to maximise available ground storage area. |
| 16 | Workshops Area | LEC Male Changing, Locker & Showers | 59.5 | - access from internal corridor.  - close to LEC entrance. |  | - 2 x WC, 2 x WHB c/w mirror and light, 2 x urinal, 3 x individual shower cubicles. | 1 x FCU | - will house benches and lockers for 40 personnel (supplied by others).  - hot and cold water supply and drainage.  - FCU for wall mounted extractor fan. |  |
| 17 | LEC Female Changing Locker & Showers | 24 | - access from internal corridor.  - close to LEC entrance. |  | - 1 x WC, 1 x WHB c/w mirror and light, 1 x shower. | 1 x FCU | - will house benches and lockers for 4 personnel (supplied by others).  - hot and cold water supply and drainage.  - 1 x FCU for wall mounted extractor fan. |  |
| 18 | Carpenter Shop | 57 | - access external via roller shutter door.  - pedestrian access via internal corridor.  - connecting double doors to Timber Store. |  | * Workshop machinery supplied and installed by others:   - Band Saw  - Circular Saw,  - Circular Mitre Saw  - Planer  - Sander  - Lathe  Sawdust extraction LEV | 6 x DSO  6 x BS EN 60309 sockets  Power loads Max Amps:  25  12  22  10  8  10 | - roller shutter door to be minimum 3m wide.  - workshop machinery to be connected to suitable fused spur with the necessary isolation switches.  - All machines to have dedicated work bench 1.5 x 0.7 m.  All to be individually connected to an LEV with minimum 1.3 l/m extraction rate with 4” connection and 600ltr capacity.  - Min space between machines 1.3 m. | All machinery require 415V 50Hz 3 phase supply  Min work area m²:  4.5  4.8  10  4.5  6  4.5 |
| 19 | Wood Store | 26.5 | - connecting double doors to Carpenter Shop.  - external double doors |  | - central work bench (4 x 3m) with task lighting and LEV.  - timber storage racking supplied and installed by others | 1 x DSO | - roller shutter door to be minimum 3 m wide.  - assume racking requires only plugging and screwing to walls. |  |
| 20 | COEFOR Carpenter Shed | 84 | - adjacent to Carpenter Shop and Wood Store. |  | - covered, open fronted shed 12 m long x 8 m wide x 4 m high with concrete floor.  - Separate galvanised chain link fenced compound same footprint as shed with compacted granular material floor. Fence 2 m high to incorporate double vehicle gates. |  |  |  |
| 21 | Electrician Shop | 35 | - connecting double doors to White Goods Store.  - external double doors |  | - work bench 1.2 m high (3 x 1m) with task lighting and LEV for two work points (for soldering activities).  - 1 run of 3 tier shelves (3 m run total) (2 m high x 0.6 m deep).  - cold water supply to tap on external wall of Electrician Shop. | 2 x DSO | - roller shutter door to be minimum 3 m wide.  - work bench and shelving to be sited against walls to maximise floor working area.  - Drainage point with minimum 2.5” drain. | Task lighting levels in accordance with Society for Light and Lighting Handbook (SLL) |
| 22 | White Goods Store | 35 | - connecting double doors to Electrician Shop.  - external double doors |  |  | 2 x DSO | - roller shutter door to be minimum 3m wide.  - internal storage area for up to 10 white goods (domestic refrigerators, freezers, washing machines etc.) |  |
| 23 | Plumber Shop | 35 | - connecting double doors to White Goods Store.  - external double doors |  | - work bench 1.2 m high (3 x 1 m) with task lighting and LEV for two work points (soldering activities).  - 1 run of 3 tier shelves (3 m run total) (2 m high x 0.6 m deep).  - cold water supply to tap on internal wall of Plumber Shop. | 2 x DSO | - roller shutter door to be minimum 3m wide.  - work bench and shelving to be sited against walls to maximise floor working area.  - Drainage point with minimum 2.5” drain. | Task lighting levels in accordance with Society for Light and Lighting Handbook (SLL) |
| 24 | Signwriter Workshop | 35 | - external double doors |  | - work bench 1.2m high (4 x 2m) with task lighting.  - 1 run of 3 tier shelves (3m run total) (2 m high x 0.6 m deep).  - vertical storage racking for 40 No. 2.44 x 1.22 m steel sheet/plywood of 10 – 30mm thickness. | 3 x DSO | - CIBSE Guide B compliant mechanical air extraction required. |  |
| 25 | Paint Store | 10.5 | - adjacent to Signwriter Shop. |  | - 1 run of 3 tier shelves (2 m run total) (2 m high x 0.6m deep). |  | - adequate natural ventilation required. |  |
| 26 | General | Car Park (for Military Vehicles) | As reqd | - within WO Log/QM/DIO SD Trg compound  - Adjacent to DIO SD Trg facility |  | - 5 No. 4 x 4 vehicles.  - 4 No. flatbed vehicles.  - 2 x MANN SV Truck (equivalent) |  | - modular block paving  - line marking in suitable road paint. |  |
| 27 | Corridors | As reqd |  |  |  | 1 x DSO per 12 m. | - Internal doors to be fire rated. |  |
| 28 | Plant Room | As reqd | - on external wall |  |  | 1 x DSO | - DMG 008 compliant |  |
| 29 | AP Training Area | 101 | - pedestrian access from Conference Room.  - double vehicle gate. |  | - site to be securely fenced (chain link 2.4 m high) with lockable gates.  - ISO container to be relocated (by others) from Kifaru Bks and positioned centrally within training area. |  | - gates to open outwards to maximise training area space.  - floor to be compacted granular material as a minimum. |  |
| 30 |  | Footpaths and Access Roads | As Reqd | - to link the building entrances with the existing roads and footpaths |  | - Concrete Hardstanding (see note 1).  - Modular block to be provided as detailed in Dwg 170/BATUK/42050/213/G/001 |  |  |  |

**Annex D to**

**Booklet 3; Part 2– Det PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – ITEM 5: P&RTC**

Notes

1. The Contractor is to highlight any deviations from building regulations and DDA guidance, although the authorities outline proposal is as follows:
   1. That the building is to be fully compliant in terms of access.
   2. To provide a minimum of 1 x DDA compliant unisex WC.
   3. To provide a minimum of 1 x DDA compliant male shower.
   4. To provide a minimum of 1 x DDA compliant female shower.

| **Ser** | **Building/**  **Area Designation** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/Data Requirements** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | P&RTC | Main Hall | 732 | - access via double doors from main entrance way corridor |  | - floor to be marked out with 5-a-side football pitch, badminton court and basketball court (back-boards hinged for stowage with manual control for lowering/raising). | 4 x DSO | - minimum 7.6 m ceiling clearance.  - composite flooring non-inducive to impact injuries (in accordance with Sport for England recommendations).  - DSO near corners of hall.  - Windows to be internally protected against impact from sports activities  - Floor construction to mitigate dew point damage to floor finish or formation of damp on floor surface. | Design and Maintenance Guide 10 P&RTC |
| 2 | Physio Room | 22 | - access via single door from main entrance way corridor  - close to changing rooms  - adjoining main hall |  | - hand washing facility required. | 2 x DSO  1 x FCU | - composite flooring non-inductive to impact injuries (in accordance with Sport for England recommendations).  - instantaneous water heater.  - Ceiling fan |  |
| 3 | Equipment Store | 61 | - adjacent to main hall  - access via double doors from external |  | - 5 m run of 3 tier shelves (2 m high x 0.6 m deep). | 2 x DSO | - 2.5 m high x 2 m wide minimum up and over door to main hall. |  |
| 4 | Male Changing Room | 31.5 | - access from corridor  - Suitable for DDA |  | - Single fire exit doors. | 1 x FCU | - FCU for wall mounted extractor fan. |  |
| 5 | Male Showers | 10 | - access from changing room |  | - 3 x shower. | 1 x FCU | - hot and cold water supply and drainage.  - FCU for wall mounted extractor fan.  - 1 x 2.4 kW hand dryer.  - 1 x shower to be DDA compliant |  |
| 6 | Male Toilets | 10 | - access from changing room |  | - 2 x WC, 2 x WHB, 2 x urinals. | - 1 x FCU |  |
| 7 | Female Changing Room | 28 | - access from corridor  - Suitable for DDA |  | - Single fire exit doors. | 1 x FCU | - 1 x 2.4 kW hand dryer.  - FCU for wall mounted extractor fan. |  |
| 8 | Female Showers | 4.5 | - access from changing room |  | - single shower c/w shower tray. | 1 x FCU | - hot and cold water supply and drainage.  - FCU for wall mounted extractor fan.  - 1 x shower to be DDA compliant |  |
| 9 | Female Toilets | 10 | - access from changing room |  | - 2 x WC, 2 x WHB. |  |  |
| 10 | Disabled Unisex Toilet | 5.5 | - access from corridor |  | - 1 x WC, 1 x WHB. | 1 x FCU | - hot and cold water supply and drainage.  - room to be DDA compliant.  - FCU for wall mounted extractor fan. |  |
| 11 | Cleaner’s cupboard | 5 | - access from corridor |  | - 1 x bucket sink | 1 x DSO | - hot and cold water supply and drainage. |  |
| 12 | Entrance way and corridor | As Reqd | - near to main entrance |  |  | 2 x DSO | - double doors to main entrance. |  |
| 13 | Plant room | As reqd | - external access only |  |  | 1 x DSO | - DMG 008 compliant. |  |
| 14 | Squash court | 55 | - near to main entrance  - access from viewing area |  | - back wall c/w access door to be proprietary squash court ‘glass’. |  | - minimum 6 m ceiling clearance.  - composite flooring non-inductive to impact injuries (in accordance with Sport for England recommendations for squash courts). |  |
| 15 | Squash court viewing area | 22 | - adjacent to squash court.  - access from main entrance way/corridor. |  | - Single fire exit doors.  - 2 x wall mounted fans. | 1 x DSO  1 x FCU |  |  |
| 16 | Corridors | As Regd |  |  |  | 1 x DSO per 12 m. |  |  |
| 17 | CV and weights room | 189 | - adjacent to main hall. |  | - Single fire exit doors.  - 4 x ceiling mounted fans. | 8 x DSO  2 x FCU | - minimum 3.5 m ceiling clearance.  - floor structure to be capable of supporting free weights minimum loading 300 kg/m² .  - suitable impact matting to weights area minimum 50m²  - 4 x DSO at high-level for Authority supply and fit audio visual equipment. One fitted central to a wall.  - 4 x DSO floor mounted.  - 6 x Ceiling Fan |  |
| 18 | QMSI Office | 17.5 | - adjacent to main hall, CV and weights room  - 2 x Workstations | 2 x DII point.  8 x Comms network (data) RJ45 sockets  2 x Telephone point | - viewing panels (min 1 x 1m) to provide oversight of main hall and CV and weights room.  - 1 x ceiling mounted fans. | 2 x DSO  1 x FCU | - Ceiling fan |  |
| 19 | Footpaths and Access Roads | As Reqd | - to link the building entrances with the existing roads and footpaths |  | - concrete finished with non-slip surface. |  |  |  |

**Annex E to**

**Booklet 3; Part 2– Det PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – ITEM 5: HQ BATUK**

Notes

1. HQ BATUK to be a two-storey building with 2 main entrances to the ground floor.
2. The Contractor is to highlight any deviations from building regulations and DDA guidance, although the authorities outline proposal is as follows:
   1. That the building is to be fully compliant in terms of access.
   2. To provide a minimum of 1 x DDA compliant unisex WC.

| **Ser** | **Building/**  **Area Designation** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/Data Requirements** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Ground Floor** | | | | | | | | | |
| 1 | Exec, Sp and Plans | Open Plan Working Area | 136.5 | - large room at one end of building linked by central corridor to stairwells and other ground floor rooms.  - 20 x Workstations | 80 x Comms network (data) RJ45 sockets 20 x Telephone point. |  | 40 x DSO | - 20 x workstations including 4 x Red (secret) enabled.  - 4 x Red (secret) workstations to be separated from remainder of working area by fixed ceiling height partitions with door.  - Drop down column for 4 x DSO and 4 x DII points.  - Ceiling fan |  |
| 2 | NER Red (incl NER Black) | 7 | - adjacent to Open Plan Working Area.  - access from Open Plan Working Area |  | - ducting into rooms from external comms pit and duct grid | 2 x DSO | - all red data cabling within facility will terminate in this NER  - all black data cabling within facility will terminate in this NER |  |
| 3 | Ser 3 not used. Typing error on original document. | | | | | | | |
| 4 | Mail Room | 17.5 | - close to building entrance.  - access from internal corridor  - 2 x Workstations | 8 x Comms network (data) RJ45 sockets 2 x Telephone point | - customer counter 1.5 m high x 0.8 m deep (with lift up hatch) across room width. | 4 x DSO | - 2 x workstations  - Ceiling fan |  |
| 5 | Meeting Room | 16 | - adjacent to Shared Working Area.  - access from internal corridor  - 1 x Workstation | 4 x Comms network (data)  RJ45 sockets  1 x Telephone point |  | 2 x DSO | - capacity for 6 personnel seated at conference table.  -Ceiling fan |  |
| 6 | Shared Working Area | 17.5 | - adjacent to Meeting Room.  - access from internal corridor  - 2 x Workstations | 8 x Comms network (data)  RJ45 sockets  2 x Telephone point |  | 4 x DSO | - 2 x workstations (Red enabled).  - Ceiling fan |  |
| 7 | Archive Store | 15.5 | - close to building entrance. |  | - 2 runs of 3 tier shelves (10 m run total) (2 m high x 0.6 m deep). | 1 x DSO | - includes stationery store. |  |
| 8 | Ops Room | 33.5 | - access from internal corridor.  - close to Shared Working Area.  - 4 x Workstations | 16 x Comms network (data)  RJ45 sockets  4 x Telephone point | - door to be fitted with mechanical push button lock. KABA Simplex 1000 series or similar approved.  - 2 No ducts (150 mm dia) through external wall fitted with lockable covers both internally and externally. | 4 x DSO | - 4 x workstations.  - Ceiling fan |  |
| 9 | Male Toilets | 14 | - access from internal corridor.  - centrally located. |  | - 2 x WC, 3 x WHB c/w mirror and light, 2 x urinals. | 1 x FCU | - hot and cold water supply and drainage.  - FCU for wall mounted extractor fan. |  |
| 10 | Female Toilets | 9 |  | - 2 x WC, 2 x WHB c/w mirror and light. | 1 x FCU |  |
| 11 | Disabled UnisexToilet | 6.5 |  | - 1 x WC, 1 x WHB c/w mirror and light | 1 x FCU | - DDA fully compliant facility.  - FCU for wall mounted extractor fan. |  |
| 12 | Kitchen | 13.5 |  | - stainless steel sink and drainer with worktop  - cupboard and domestic fridge space under worktop  - Domestic fridge.  - Instantaneous water heater over sink. | 3 x DSO | - power for domestic fridge.(In addition to the 2 x DSO)  - water supply and drainage. |  |
| 13 | Cleaner’s Cupboard | 6.5 |  | - 1 x bucket sink |  | - hot and cold water supply and drainage. |  |
| 14 | Training Wing | Map Store | 13.5 | - close to building entrance and Training Wing.  - access from internal corridor |  | - 3 run of 3 tier shelves (12 m run total) (2 m high x 1m deep). | 1 x DSO |  |  |
| 15 | Training Wing | 77 | - large room at opposite end of building to Open Plan Working Area.  - access directly from stairwell.  - 8 x Workstations | 32 x Comms network (data) RJ45 sockets 8 x Telephone point | - customer counter 1.5 m high x 0.8 m deep x 4m overall length in ‘L’ shape (with lift up hatch) located inside the door controlling access into the room. | 16 x DSO | - 8 x workstations.  - 3 x Ceiling fan |  |
| 16 | Training Wing Stores | 43 | - adjacent to Range Control with interconnecting single door.  - external access also required through double doors. |  | - 5 runs of 3 tier shelves (30 m run total) (2 m high x 0.6 m deep). | 2 x DSO | - shelving positioned to maximise floor storage area. |  |
| 17 | Male Toilets | 13 | - access from stairwell/corridor |  | - 2 x WC, 3 x WHB, 3 x urinals. | 1 x FCU | - hot and cold water supply and drainage.  - FCU for wall mounted extractor fan. |  |
| 18 | General | Plant Room | As Reqd | - external access only |  |  | 1 x DSO |  |  |
| 19 | Passenger Lift | As reqd | Within the vicinity of the main entrance |  | Lift shaft in accordance with specification issued at Amdt 19, dated 10 Mar 15 |  | - specification at Booklet 3 Part 1, Annex E, Appendix 1 |  |
| **First Floor** | | | | | | | | | |
| 19 | Command Element | Comd BATUK Office | 15.5 | - access via iHub.  - located in corner of building.  - 4 x Workstation | 16 x Comms network (data) RJ45 sockets  1 x Telephone point |  | 8 x DSO | - 1 x workstation (Red enabled).  - Ceiling fan |  |
| 20 | Comd Meeting Room | 13.5 | - adjacent to Comd BATUK Office.  - access via iHub.  - 1 x Workstation | 4 x Comms network (data) RJ45 sockets  1 x Telephone point |  | 2 x DSO | - capacity for 6 personnel seated at conference table.  - Ceiling fan |  |
| 21 | Comd DTE (K) & Dep Comd | 17.5 | - adjacent to Comd Meeting Room.  - access via iHub.  - 2 x Workstations | 8 x Comms network (data) RJ45 sockets  2 x Telephone point |  | 2 x DSO | - 2 x workstations.  - Ceiling fan |  |
| 22 | iHub | 48 | - sited to control access to Ser 19, 20 and 21.  - access from internal corridor.  - 5 x Workstations | 20 x Comms network (data) RJ45 sockets 5 x Telephone point |  | 8 x DSO | - 5 x workstations.  - 2 x Ceiling fan |  |
| 23 | Archive Store | 4.5 | - adjacent to iHub with connecting door. |  | - 2 runs of 3 tier shelves (8 m run total) (2 m high x 0.6 m deep). | 1 x DSO |  |  |
| 24 | RSM Office | 15 | - access from internal corridor.  - to be sited to control access into Ser 22.  - 1 x Workstation | 4 x Comms network (data) RJ45 sockets 1 x Telephone point |  | 2 x DSO | - 1 x workstation.  - Ceiling fan |  |
| 25 | SO1 BATUK | 13.5 | - access from internal corridor.  - opposite RSM Office.  - 1 x Workstation | 4 x Comms network (data) RJ45 sockets 1 x Telephone point |  | 2 x DSO | - 1 x workstation.  - Ceiling fan |  |
| 26 | SO2 Office | 19.5 | - access from internal corridor.  - 3 x Workstations | 12 x Comms network (data) RJ45 sockets 3 x Telephone point |  | 6 x DSO | - 3 x workstations.  - Ceiling fan |  |
| 27 | SO1 JHF(K) | 15 | - access from internal corridor.  - 1 x Workstation | 4 x Comms network (data) RJ45 sockets 1 x Telephone point |  | 2 x DSO | - 1 x workstation.  - Ceiling fan |  |
| 28 | Meeting Room | 17.5 | - adjacent to Conference Room.  - access from internal corridor  1 x Workstation | 4 x Comms network (data) RJ45 sockets 1 x Telephone point |  | 6 x DSO | - capacity for 6 personnel seated at conference table.  - Ceiling fan |  |
| 29 | Conference Room | 66.5 | - centrally in first floor.  - access via internal corridor from both Command Element and Training Wing.  - 4 x Workstations | 16 x Comms network (data)  RJ45 sockets  4 x Telephone point | - Projector and screen located on the North wall. | 8 x DSO | - VTC enabled by others.  - capacity for 20 personnel seated at conference table and 12 personnel seated around perimeter of room.  - 3 x Ceiling fan |  |
| 30 | Male Toilets | 13.5 | - access from internal corridor. |  | - 2 x WC, 2 x WHB c/w mirror and light, 2 x urinals. | 1 x FCU | - hot and cold water supply and drainage.  - FCU for wall mounted extractor fan. |  |
| 31 | Female Toilets | 6.5 |  | - 1 x WC, 1 x WHB c/w mirror and light | 1 x FCU |  |
| 32 | Kitchen | 8 |  | - stainless steel sink and drainer with worktop  - cupboard under worktop  - Domestic fridge.  - Instantaneous water heater over sink | 3 x DSO | - power for domestic fridge.  - water supply and drainage. |  |
| 33 | Cleaner’s Cupboard | 3.5 |  | - 1 x bucket sink |  | - hot and cold water supply and drainage. |  |
| 34 | Training Wing | Trg Wing Office | 15 | - access from internal corridor.  - adjacent to Training Wing.  1 x Workstation | 4 x Comms network (data) RJ45 sockets 1 x Telephone point |  | 2 x DSO | - 1 x workstation.  - Ceiling fan |  |
| 35 | Training Wing | 166.5 | - opposite end of building to Command Element.  - adjacent to SO2 Trg Wing Office.  - 16 x Workstations | 64 x Comms network (data) RJ45 sockets 16 x Telephone point | - room to be ‘L’ shaped to incorporate a ‘map table’ (4 x 3 m) briefing area.  - briefing area to have 15 m run of clear wall to accommodate mapboards and whiteboards. (supplied by others).  - ceiling mounted projector and screen mounted on East wall. | 32 x DSO | - 16 x workstations.  - 4 x Ceiling fan |  |
| 36 | Staff Office | 24 | - access from internal corridor.  - near SO2 Trg Wing Office.  - 4 x Workstations | 16 x Comms network (data) RJ45 sockets 4 x Telephone point |  | 8 x DSO | - 4 x workstations.  - Ceiling fan |  |
| **External** | | | | | | | | | |
| 37 |  | Car Park | As reqd | - 25 m from the building. |  | - 5 parking bays for 4 x 4 vehicles with sufficient manoeuvring area to allow reverse parking. |  | - modular block paving  - line marking in suitable road paint. |  |
| 38 | Flagpoles | - | - adjacent to main entrance. |  | - 3 x flagpoles (supplied by others) to be installed on suitable plinth/base |  | - assume steel flagpoles 8 m high |  |
| 39 | Antennae Farm | 73.5 | - close to building. |  | * + 1. - The fences are to have sign posted entrances to segregate vehicles and pedestrians.     2. -The vehicle access gate is to be suitably sized for a B vehicle.   - 100 mm diameter comms duct connecting with 2 x comms pits, one in antennae farm one adjacent to building next to Ops Room. |  | - to allow erection of 2 x comms masts each with a 6 x 6 m footprint.  - space for BOWMAN LR adjacent to masts. |  |
| 40 | BOWMAN LR Parking | 17 | - next to Ops Room. |  | - Modular Block Paving. Traffic – 2x daily by a Land Rover (Mass of 3350kg or MLC3) |  |  |  |
| 41 | Main Entrance | - | - to allow direct access to Exec, Sp and Plans area on ground floor with stairway leading to Command Element on first floor. |  | - double doors with secure key control.  - Simplex type coded push button lock to control regular access.  - door access bell with sounder located in iHub on first floor. |  | - door bell hard wired to sounder. |  |
| 42 | Secondary Entrance | - | - to allow direct access to Training Wing area on ground floor with stairway leading to Training Wing on first floor. |  | - double doors with secure key control.  - security approved coded push button lock to control regular access.  - door access bell with sounder located in Trg Wing Staff Office on first floor. |  | - door bell hard wired to sounder. |  |
| 43 | Footpaths and Access Roads | As Reqd | - to link the building entrances with the existing roads and footpaths |  | - concrete. |  |  |  |

**Annex F to**

**Booklet 3; Part 2–Det PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – Item 6: 105 mm GUN SHED**

| **Ser** | **Building/**  **Area Designation** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/Data Requirements** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 105mm Gun Shed | Gun Bay - 1 | 39 | - As indicated on Site Plan. |  | - capable of storing 2 x 105 mm Guns. Gun dimensions 9 m long x 2 m wide x 2 m high.  - Ceiling height 4m.  - Roller shutter door min 2.5 m wide by 2.5 m high to be provided to each Gun bay.  -Suitable pedestrian/fire access/egress | 1 x DSO |  |  |
| 2 | Gun Bay - 2 | 39 | 1 x DSO |
| 3 | Gun Bay - 3 | 39 | 1 x DSO |
| 4 | Gun CES Stores | 7.2 | - Store area spilt to provide 2 CES stores within each Gun Bay. |  | - 6 tier shelving, 22 m run total, 2 m high x 0.6 m deep.  - Ceiling height 2.7 m.  - Capable of holding CES items. | 1 x DSO in each store | - 1 x DSO to each gun CES cage, located next to shelving.  - Secure cage required for each gun CES. |  |
| 5 | Section Commander CES | 4 | - Within each Gun Bay |  | - 2 tier shelving, 4 m total run, 2 m high x 0.6 deep.  - Ceiling height 2.7 m  - Capable of holding CES items. |  | -2 stores required for 6 guns.  -This is to accommodate section equipment such as, jockey wheel, spare items, blank firing jack. |  |
| 6 | Footpaths and Access Roads | As Reqd | - To link the building entrances with the existing roads and footpaths |  | - concrete. |  |  |  |

**Notes:**

1. HUSTLE equipment has not been included.

**Annex G to**

**Booklet 3; Part 2– Det PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – ITEM 7: COMBINED OFFICERS AND SENIOR NON COMMISSIONED OFFICERS MESS**

**Notes:**

1. The combined mess is to connect to the kitchen and servery, having access from the dining room.
2. Unless otherwise specified in the table below the Combined Mess building is to have the following finishes:
   1. **Floor finish.** The floor is to be tiled using 300 x 300 x 6 mm thick ceramic tiles.
   2. **Wall finish.** All walls are to be plastered with a paint finish.
   3. **Ceiling.** False ceiling at a height of 3.5 m is to incorporate decorative down lighting unless otherwise specified.
3. Unless otherwise specified in the table below the Combined Mess building is to have the following finishes to all wet areas:
   1. **Floor finish.** The floor is to be tiled using 300 x 300 x 6 mm thick non-slip ceramic tiles and to include floor drains.

* 1. **Wall finish.** All walls are to be tiled.
  2. **Ceiling.** False ceiling is to have a moisture resistant finish.

1. Contractor is to install all ducting, conduit/trunking, back sockets and blank faceplates for all communications, data and BFBS requirements. The cabling, final connections and commissioning is to be carried out by the Authority, unless detailed below. All conduit/trunking is to be terminated in the Network Equipment Room (NER).
2. All rooms connected to external walls are to have windows fitted.
3. This Mess facility is to be provided with hot water from the Combined Retail facility solar hot water system.
4. The mess is to include a Public Announcement (PA) system compatible with the existing system.
5. Unless otherwise specified in the table below the Combined Mess building is to have the following to all external vehicle access paths:
6. Block paving suitable for traffic of up to 3.5 Tonne.
7. Class A or B engineering blocks with min crushing strength of 48.5N/mm2
8. Resistant to abrasion and impact.
9. Laid in a bonding formation on a well consolidated rolled foundation with a min fall of 1:60 and with suitable edge restraint around the pavement perimeter.
10. The Contractor is to highlight any deviations from building regulations and DDA guidance, although the authorities outline proposal is as follows:
    1. That the building is to be fully compliant in terms of access.
    2. To provide a minimum of 1 x DDA compliant unisex WC.
    3. To provide a minimum of 1 x DDA compliant male shower.
    4. To provide a minimum of 1 x DDA compliant female shower.

| **Ser** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/ Data Req (see note 6)** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Covered walk way |  | 1. The minimal width of the covered walk way is to be the width of the entrance path. 2. To be extended from the draught proof lobby to the VIP drop off point. |  | 1. The covered walk way is to have a similar finish to the combined mess covering, so that the structure blends into the building. 2. Roof supports are to be constructed of a metal material. 3. All lighting under the covering is to be connected to the columns that hold up the roof covering. 4. Roof is to include all drainage for rain water. |  | 1. Illumination -100 lux at 1 m above floor level across the walkway. 2. **Floor finish.** As per note 3 3. All lighting is to be motion operated. |  |
|  | Reception area | 42 | 1. To give reasonably spacious entry. 2. External doors to be self closing. 3. 2 x Workstations to be located on reception desk. | 8 x Comms network (data) RJ45 sockets  2 x Telephone point | 1. Draught proof lobby. 2. One mirror, 1360 x 460 mm at entrance. 3. 3 x Notice boards measuring 1.5 x 2 m, to be located symmetrically on the wall behind reception desk, with the bottom of the notice boards at a height 1.5 m above floor level. The notice boards are to have blue felt with an ash wood architrave. 4. 1 x letter rack 1m x 2 m separated alphabetically, to have the material finish as the reception desk and notice boards. 5. **Reception desk**. Reception desk or counter is to accommodate both standing and seated visitors such that at least one section of the counter is at least 1500 mm wide with working surface no higher than 750 mm and a knee recess no less than 700 mm above floor level. The reception desk is to have an ash wood finish. | 1. 8 x DSO | 1. **Illumination:** 2. 175 lux for entrances. 3. 225 lux for supplementary lighting. 4. **Supplementary lighting**. There is to be supplementary lighting over mirrors and notice board, and for reception desk/cubicle. 5. **VIP**. There is to be a VIP vehicle drop off point located at the front entrance. 6. **Floor finish.** As per note 3. 7. **Wall finish.** As per note 3. 8. **Ceiling.** As per note 3. 9. **Windows.** High level windows. | 1. JSP 315 Scale 29. 2. Approved Document M, Amdt 2013. |
|  | Corridors | N/A |  |  |  | 1. 1 x DSO to every 37.0 m2 of floor space, or to every 12 m run of corridor. | 1. All Corridors are to have a minimum unobstructed width of 3 m. 2. **Illumination:** 100 lux for corridors. 3. **Area finish.** As per note 3. |  |
|  | Male toilets | 44 | 1. Access from the reception. |  | 1. 5 x WC with toilet roll holder and clothes hook in each cubicle. 2. 6 x WHB with splash back, mirror, shelf, towel fitting and clothes hook. 3. 5 x Urinals. 4. Water Supply - Hot, cold and drinking (labelled). 5. 2 x Hand Drying facility. 6. 1 x full length mirror. 7. 2 x Hat shelf: length 1.5 m x depth 0.3 m. 8. 50 x Coat hooks to be located in close proximity to hat shelf. | 1. 2 x FCU | 1. Illumination - 125 lux 2. Supplementary lighting over mirrors 225 lux. 3. Height of ceiling 3.6 m minimum. 4. FCU for wall mounted extractor fan and hand dryers.. 5. **Area finish.** As per note 4. 6. **Windows.** High level frosted windows. | 1. JSP 315 Scale 1. 2. CIBSE Guide (B) ventilation. |
|  | Female toilets | 30 | 1. Access from the entrance hall. |  | 1. Water Supply - Hot, cold and drinking (labelled). 2. 4 x WC with toilet roll holder and clothes hook in each cubicle. 3. 4 x WHB with splash back, mirror, shelf, towel fitting and clothes hook. 4. 2 x Hand Drying facility. 5. 1 x full length mirror. 6. 1 x Hat shelf: length 1.5 m x depth 0.3 m. 7. 30 x Coat hooks to be located in close proximity to hat shelf. | 1. 2 x FCU | 1. Illumination - 125 lux. 2. Supplementary lighting over mirrors for 225 lux. 3. Height of ceiling 3.6 m minimum. 4. FCU for wall mounted extractor fan and hand dryers. 5. **Area finish.** As per note 4. 6. **Windows.** High level frosted windows. | 1. JSP 315 Scale 1. 2. CIBSE Guide (B) ventilation. |
|  | Disabled Unisex Toilet | 4 | 1. Access from entrance hall. 2. Adjacent to rest rooms. |  | 1. 1 x WC including handrails. 2. 1 x WHB with splash back, mirror, shelf, towel fitting and clothes hook. 3. Water Supply - Hot, cold and drinking (labelled). 4. 1 x Fluorescent luminaire c/w 3hr emergency non-maintained self contained battery. 5. 1 x Hand Drying facility. | 1. 2 x FCU | 1. To be DDA compliant. 2. WC to be fitted out in accordance with Approved Doc M. 3. Height of ceiling 3.6 m minimum. 4. Illumination - 125 lux. 5. Supplementary lighting over mirrors for 225 lux. 6. FCU for wall mounted extractor fan and hand dryers. 7. **Area finish.** As per note 4. 8. **Windows.** High level frosted windows. | 1. JSP 315 Scale 1. 2. Approved Document M, Amdt 2013. 3. CIBSE Guide (B) ventilation. |
|  | Cloak Room | 4 | 1. Access from entrance hall. 2. Adjacent to rest rooms. |  | 1. Includes space for 50 clothes hooks or captive hangers. 2. Full dress mirror. |  | 1. Illumination - 125 lux. 2. **Area finish.** As per note 3. |  |
|  | Dining Room | 170 | 1. An (acoustic) panelled, moveable partition is to be fitted to spilt room equally. |  | 1. Picture rail at 2.5 m along all walls. | 1. 12 x DSO shall be positioned as per indicative drawing 170/BATUK/42050/219/E001. | 1. Illumination - 125 lux 2. Supplementary lighting - 225 lux over serving points. 3. Supplementary lighting 0.2 m above picture rail as shown on Drawing 170/BATUK/42050/219/C002. 4. Ventilation for comfort conditions at maximum occupancy, for design purposes is assumed at 200 personnel. 5. **Area finish.** As per note 3. 6. **Windows.** High level windows. | 1. JSP 315   Scale 29 and scale 34. |
|  | Ante room | 85 | 1. The ante room shall be adjacent to the bar and lounge so that the bar can be used for both rooms. 2. The ante room shall be located adjacent to the patio shaded area. 3. Access to patio area shall be through ante room. 4. An acoustic moveable partition is to be installed/located between the ante room and bar and lounge. | 1. TV (BFBS). | 1. Picture rail at 2.5 m along all walls. 2. Bar. See serial 11. | 1. 6 x DSO shall be positioned as per indicative drawing 170/BATUK/42050/219/E001. | 1. Ventilation for comfort conditions at maximum occupancy, for design purposes is assumed at 200 personnel. 2. **Illumination:** 125 lux Ante room. 3. **Floor finish.** As per note 3. 4. **Wall finish.** As per note 3. 5. **Ceiling.** As per note 3. 6. **Windows.** High level windows. 7. **Dance floor**. Dance floor is to have a 25 m2 suitable dance floor surface in accordance with BS EN ISO 140-8; 1998, EN 14904 and BS 6399 | 1. JSP 315   Scale 34. |
|  | Bar and lounge | 85 | 1. The bar and lounge room shall be adjacent to the ante room so that a single bar area can be used for both rooms. 2. An acoustic moveable partition is to be implemented between the ante room and bar and lounge. | 1. TV (BFBS). | 1. Picture rail at 2.5 m along all walls. 2. **Fire place**. Fire place is to be a stone wall decoration finish, with a decorative chimney. 3. **Bar.** See serial 11. | 1. 4x DSO shall be positioned in line with indicative drawing 170/BATUK/42050/219/E001. 2. 1 x DSO for TV (BFBS) to be located at a height of 2 m AFFL TV position as per BFBS connection on drawing 170/BATUK/42050/219/E001. | 1. Ventilation for comfort conditions at maximum occupancy, for design purposes is assumed at 200 personnel. 2. **Illumination:** 125 lux bar and lounge room. 3. **Floor finish.** As per note 3. 4. **Wall finish.** As per note 3. 5. **Ceiling.** As per note 3. 6. **Windows.** High level windows. | 1. JSP 315 Scale 34. |
|  | Bar |  | 1. A single Bar is to be located in the bar and lounge, ante room and extend outside, so minimum staff requirements. |  | 1. The general bar requirements are as follows: 2. Fixed bar counter as per indicative drawing 170/BATUK/42050/219/C001. 3. The bar is to have a minimum of 3 access hatches spread across the bar. 4. A decorative front bar top counter and fascia to include appropriate bar supports and integral service duct to house electrical services, water supplies, drainage and product dispense ‘pythons’. 5. Finished height shall be a minimum of 1100 mm Above Finished Floor Level (AFFL). 6. A supporting under bar/sub counter modular counter system integral with the front bar top counter to provide a work top finished height of 850 – 875 mm AFFL. 7. The counter system shall provide appropriate fittings and space to house the defined fixtures and equipment. 8. A rear counter system incorporating storage space, cupboards, space for equipment and solid counter top. 9. Finished height shall be a minimum of 950 mm AFFL. 10. Decorative rear/side elevations incorporating merchandising space and shelving, optic rails. 11. The bar is to have an ash wood finish. 12. The bar requirements are as follows: 13. Security shutter to front counter areas to secure the bar. The shutter should be split so that bar can be open independently in section of 2 m lengths. 14. Kitchen sink is to be a 1000 mm x 500 mm shiny stainless steel with draining board. 15. Wash hand basin (See CES No 12) 16. Secure cupboard storage under counter with a 2 m width. 17. 2 x Speed rail/liquor shelf to be located in the bar and lounge. 18. 1 x Speed rail/liquor shelf to be located in the outdoor bar. 19. Glasswasher station incorporating glass washing machine dirty glass returns area; clean glass cooling area; basket rack storage. 20. Ice making machine stainless steel with a 100 kg capacity. 21. 3 x Till with locking drawer, located in the bar and lounge, ante room and outside bar 22. Empty bottles and waste bin areas within the bar and lounge and outdoor bar. 23. 6 x Free standing Refrigeration/bottle coolers to be located between the bar and lounge and outdoor bar. Each Refrigeration/bottle coolers is to have the following characteristics; Double glazed safety glass door, sliding door mechanism, fan assisted cooling, frost free, durable construction, electronic controller, internal illumination, fitted with locks, low energy consumption, adjustable shelving, capacity for 180 bottles and a temperature range of 0-10 ̊C 24. Hygienic glass storage shelving to be located under the front bar. | 1. 14 x DSO shall be positioned in line with indicative drawing 170/BATUK/42050/219/E001 | 1. **Illumination:** 125 lux bar room. 2. **Floor finish.** As per note 4. |  |
|  | Visitors room | 25 | 1. Conveniently close to the bar and lounge. | 1. 1 x concept brick (as per note 5) |  | 1. 2 x DSO shall be positioned in line with indicative drawing 170/BATUK/42050/219/E001. | 1. Illumination - 175 lux for room. 2. **Area finish.** As per note 3. | 1. JSP 315   Scale 34. |
|  | Billiards room | 79 |  |  | 1. Racking for 8 x pool cues. 2. 2 x Billiards tables. The tables should conform to the following standards from the Snooker Association: 3. The playing surface (area) must be   rectangular and symmetrical when the pocket configurations are included.   1. **Dimensions.** The table size shall be;   length 2.54 m and width 1.27 m.   1. **Ball return mechanism.** Drop pockets or   automatic ball returns shall be installed.   1. **Height.** Table height should be between   740 and 790 mm above finished floor level.   1. **Surface.** The table surface shall be spirit   level flat.   1. **Cloth.** The cloth must be non-directional,   nap-free billiard fabric which will not pill or fluff. | 1. 3 x DSO shall be positioned in line with indicative drawing 170/BATUK/42050/219/E001. | 1. Illumination:   100 lux for room.   1. Supplementary lighting of 350 lux (to any point on the playing surface) over each billiards table, with a minimum clear height of 1 m above the table. 2. A minimum of 1.8 m activity space around the table should be allocated. 3. The pool table shall be located as shown on the indicative drawing 170/BATUK/42050/219/C001. 4. **Area finish.** As per note 3. | 1. JSP 315   Scale 34. |
|  | Network Equipment Room (NER) | 9 | 1. Access from back of the billiards room. 2. Located on an external wall. |  | 1. The NER room is to accommodate all Comms and Data requirements for the building. 2. Ducting into room from external comms pit and duct grid. | 1. 2 x DSO 2. 1 x FCU 3. 1 x Rotary switch | 1. Illumination - 125 lux. 2. FCU and rotary switch are for the server units. 3. **Area finish.** As per note 3. 4. **Lighting.** Lighting is to be non-decorative fluorescents. 5. **Windows.** No windows to this room. |  |
|  | TV (BFBS) room | 50 |  | 1. TV (BFBS). | 1. Terrestrial TV (BFBS)/FM and sockets. 2. 2 x Book shelves on one wall, with the following characteristics: 3. height: 2 m 4. Width: 2 m 5. Depth 300 mm 6. Colour: should have an ash wood finish. 7. Shelving: 6 adjustable height shelves. | 1. 6 x DSO shall be positioned in line with indicative drawing 170/BATUK/42050/219/E001. | 1. Illumination - 50 lux for room. 2. **Area finish.** As per note 3. | 1. JSP 315   Scale 1 |
|  | Silver, crockery and cleaning store | 9 | 1. Sited near to, but not in kitchen. |  | 1. Water Supply. Hot and cold. 2. Stainless steel sink with draining board. 3. Steel door, with security lock. 4. Room is to have no window. 5. Shelving is to be the following: 6. Shelving to be sized so 1.5 m width is   available for access and egress into the room.   1. Capacity of 250 kg/m2. 2. Maximum top shelf height of 1.8 m. 3. 4 racks per shelving unit with adjustable   sizing mechanism.   1. The shelving shall be constructed from metal. |  | 1. Illumination - 100 lux. 2. **Area finish.** As per note 4. 3. **Lighting.** Lighting is to be non-decorative fluorescents. 4. **Windows.** High level frosted windows. 5. **Ceiling.** Plasterboard with a white paint finish. | 1. JSP 315   Scale 34 |
|  | Garden store | 9 | 1. Situated with access to the patio/garden area. |  | 1. Shelving is to be the following: 2. Suitable for access and egress into the   room.   1. Capacity of 250 kg/m2. 2. Maximum top shelf height of 1.8 m. 3. The shelving shall be constructed from metal. 4. Door is to be lockable. | 1. 1 x DSO for battery charging. | 1. Illumination - 100 lux. 2. **Floor finish.** Concrete floor is to have floor drain inlcuded. 3. **Walls.**  Walls are to be painted blockwork, no plaster required. 4. **Lighting.** Lighting is to be non-decorative fluorescents.   **Ceiling.** Plasterboard with a white paint finish. | 1. JSP 315 Scale 34. |
|  | General Store | 16 | 1. Near to public rooms. |  | 1. Shelving is to be the following: 2. Shelving to be sized so 1.5 m width is available for access and egress into the room. 3. Capacity of 250 kg/m2. 4. Maximum top shelf height of 1.8 m. 5. The shelving shall be constructed from metal. | 1. 1 x DSO. | 1. Illumination - 100 lux. 2. Height of ceiling 3.5 m minimum. 3. **Floor finish.** As per note 4. 4. **Walls.**  Walls are to be plaster with a paint finish. 5. **Lighting.** Lighting is to be non-decorative fluorescents. 6. **Windows.** High level frosted windows. 7. **Ceiling.** Plasterboard with a white paint finish. | 1. JSP 315 Scale 34. |
|  | Beer and liquor Store | 20 | 1. To have external access for deliveries. |  | 1. Water Supply. Hot and cold. 2. Stainless steel sink with draining board. 3. Security lock to door. 4. Shelving is to be the following: 5. Shelving to be sized so 1.5 m width is   available for access and egress into the room.   1. Capacity of 250 kg/m2. 2. Maximum top shelf height of 1.8 m. 3. 4 racks per shelving unit with adjustable   sizing mechanism.   1. The shelving shall be constructed from metal. | 1. 6 x DSO. | 1. Illumination - 100 lux. 2. External vehicle access path. As per note 10. 3. **Floor finish.** Concrete floor is to have floor drain included. 4. **Walls.**  Walls are to be painted blockwork, no plaster required. 5. **Lighting.** Lighting is to be non-decorative fluorescents. 6. **Ceiling.** Plasterboard with a white paint finish. | 1. JSP 315 Scale 34 |
|  | Empties Store | 9 | 1. To have external road access. |  | 1. Shelving is to be the following: 2. Shelving to be sized so 1.5 m width is   available for access and egress into the room.   1. Capacity of 250 kg/m2. 2. Maximum top shelf height of 1.8 m. 3. 4 racks per shelving unit with adjustable   sizing mechanism.   1. The shelving shall be constructed from metal. |  | 1. Illumination - 100 lux. 2. External vehicle access path. As per note 10. 3. **Floor finish.** As per note 4. 4. **Walls.**  Walls are to be painted blockwork no plaster required. 5. **Lighting.** Lighting is to be non-decorative fluorescents. 6. **Ceiling.** Plasterboard with a white paint finish. | 1. JSP 315 Scale 34 |
|  | Linen store | 9 | 1. Sited near but not in the dining room. |  | 1. Shelving is to be the following: 2. Shelving to be sized so 1.5 m width is available for access and egress into the room. 3. Capacity of 250 kg/m2. 4. Maximum top shelf height of 1.8 m. 5. 6 racks per shelving unit with adjustable   sizing mechanism.   1. All racks are to be slatted to help air flow. 2. The shelving shall be constructed from metal. |  | 1. Illumination - 100 lux. 2. **Floor finish.** As per note 4. 3. **Walls.**  Walls are to be painted blockwork, no plaster required. 4. **Lighting.** Lighting is to be non-decorative fluorescents. 5. **Windows.** No windows to be installed. 6. **Ceiling.** Plasterboard finish. | 1. JSP 315 Scale 34 |
|  | PMC Office | 13.5 | 1. Sited to facilitate administrative control of the mess. 2. Not to be in the main reception. 3. 2 x workstations | 8 x Comms network (data) RJ45 sockets  2 x Telephone point | 1. 2 x Clothes hooks on the back of the door. 2. 1 x Pin boards to be placed on the centre of each wall adjacent to the wall with a door. | 1. 4 x DSO shall be positioned in line with indicative drawing 170/BATUK/42050/219/E001. | 1. Illumination - 350 lux. 2. **Area finish.** As per note 3. | 1. JSP 315 Scale 34. 2. JSP 315 Scale 45. |
|  | Mess Office | 13.5 | 1. Sited to facilitate. administrative control of the mess 2. Not to be in the main reception. 3. 2 x workstations | 8 x Comms network (data) RJ45 sockets  2 x Telephone point | 1. 2 x Clothes hooks on the back of the door. 2. 1 x Pin boards to be placed on the centre of each wall adjacent to the wall with a door. | 1. 4 x DSO shall be positioned in line with indicative drawing 170/BATUK/42050/219/E001. | 1. Illumination - 350 lux. 2. **Area finish.** As per note 3. 3. **Ceiling.** Is to be a minimum of 2.7 m above finished floor level. | 1. JSP 315 Scale 34. 2. JSP 315 Scale 45. |
|  | Mess Managers Office | 18 | 1. Sited to facilitate. administrative control of the mess 2. Not to be in the main reception. 3. 2 x workstations | 8 x Comms network (data) RJ45 sockets  2 x Telephone point | 1. 2 x Clothes hooks on the back of the door 2. 1 x Pin boards to be placed on the centre of each wall adjacent to the wall with a door. 3. Security lock to door, with a two way peep hole. 4. Bars are to be fitted to all windows. 5. **Safe.** Colour Laser Grey 6. Weight - 150 kg. 7. Height - 1830 mm. 8. Width - 760 mm. 9. Depth - 470 mm. 10. The installation of heavy duty safes is to include:   Reinforcement of floor area as required. | 1. 4 x DSO shall be positioned in line with indicative drawing 170/BATUK/42050/219/E001. | 1. Illumination - 350 lux. 2. **Area finish.** As per note 3. 3. **Ceiling.** Is to be 2.7 m above finished floor level. | 1. JSP 315 Scale 34. 2. JSP 315 Scale 45. |
|  | Female staff changing rooms | 10 |  |  | 1. Lockers capacity is as follows: 2. 0.8m2/per person. 3. Width 0.3 m. 4. Full length mirror. 5. 6 x Coat hooks. 6. 1 x Hand dryer. 7. **Water supply.** Water supply for the following and to include fixtures: 8. Shower with hot and cold water supply, to   include cubicle.   1. Toilet with cold water supply and cubicle. 2. Wash hand basin with hot and cold water   supply.   1. **Bench.** The bench is to have seating for 5 personnel. | 1. 2 x FCU. | 1. Shower is to comply with approved document (M) 2013 amendment. 2. Illumination - 125 lux. 3. Height of ceiling 3.6 m minimum. 4. FCU for wall mounted extractor fan and hand dryer. 5. **Area finish.** As per note 4. 6. **Windows.** High level frosted windows. 7. 1 x shower to be sized for DDA compliance | 1. JSP 315 Scale 34. 2. JSP 315 Scale 40. 3. CIBSE Guide B Ventilation. |
|  | Male Staff changing room | 10 |  |  | 1. Lockers capacity is as follows: 2. 0.8m2/per person. 3. Width 0.3 m. 4. Full length mirror. 5. 6 x Coat hooks. 6. 1 x Hand dryer. 7. **Water supply.** Water supply for the following and to include fixtures: 8. Shower with hot and cold water supply, to   include cubicle.   1. Toilet with cold water supply and cubicle. 2. Wash hand basin with hot and cold water   supply.   1. Urinal, with cold water supply. 2. **Bench.** The bench is to have seating for 5 personnel. | 1. 1 x FCU. | 1. Shower is to comply with approved document (M) 2013 amendment. 2. Illumination - 125 lux Supplementary lighting over mirrors. 3. Height of ceiling 3.6 m minimum. 4. FCU for wall mounted extractor fan. 5. **Area finish.** As per note 4. 6. **Windows.** High level frosted windows. 7. 1 x shower to be sized for DDA compliance | 1. JSP 315 Scale 34. 2. JSP 315 Scale 40. 3. CIBSE Guide B Ventilation. |
|  | Plant room | 9 | 1. Plant room should sited as follows: 2. Close to Central Mess   solar hot water system.   1. To reduce cable runs   and volt drop. |  | 1. Notice boards. 2. All safety equipment as per British standards. 3. Lockable access door. 4. A BFBS server will be fix to the wall to receive the main BFBS feed cable. 5. All BFBS points within the building will be feed from this server. | 1. 1 x DSO | 1. Should be ventilated. 2. Illumination - 100 lux. 3. External vehicle access path. As per note 10. 4. **Floor finish.** Concrete finish to include floor drain. 5. **Walls.**  Walls are to be painted no plaster required. 6. **Lighting.** Lighting is to be non-decorative fluorescents. 7. **Ceiling.** Plasterboard finish. | 1. JSP 315 Scale 34. 2. DMG08. |
|  | Cleaner Cupboard | 4 |  |  | 1. **Water supply.** Hot and cold water supply for the following: 2. Bucket sink and drainage board. 3. Wash hand basin. 4. **Storage.** Lockable storage cupboard with the following: 5. 4 adjustable shelves. 6. Minimum size is; Height 1500 mm x width   610 mm x depth 460 mm.   1. Weight capacity of 30 kg/m2 per shelf. |  | 1. Room is to be ventilated. 2. Illumination - 100 lux. 3. **Area finish.** As per note 4. 4. **Ceiling.** Plasterboard finish. |  |
|  | Shaded patio |  | 1. Shall be near the outside bar 2. Shall be near the outdoor cooking area 3. Shall be near the outdoor dance floor. 4. Shall be near the outside raised stage area. 5. Shall have access into the Ante Room. |  | 1. Overhead cover for UV protection and constructed of a waterproof material. All seams are double weld or sewn. All pressure points such as corner have double material and re-enforced welds to cope in high winds with any rubbing on the frame. 2. The post connecting the shading shall be metal. 3. Decorative spot lighting is to be installed on the post to give the correct lux level. 4. Outside cold water outlet. 5. Bar. See Serial 11. |  | 1. **Illumination:** 125 lux. 2. Surface water drainage system is to be implemented. 3. **Sizing.** Shaded patio area is to be sized so that seating capacity is available for 150 personnel. 4. **Floor finish.** The floor is to be block paved. |  |
|  | Outdoor dance floor area. |  | 1. Shall be near the outdoor shaded patio area. 2. Shall be near the outside raised stage area. |  | 1. Floor is to be the same level as patio. 2. Overhead cover for UV protection and constructed of a waterproof material. All seams are double weld or sewn. All pressure points such as corner have double material and re-enforced welds to cope in high winds with any rubbing on the frame. 3. The post connecting the shading shall be metal. 4. Decorative spot lighting is to be installed on the post to give the correct lux level. |  | 1. Illumination - 100 lux. 2. Surface water drainage system is to be implemented. 3. Cover from view fencing shall be implemented around all external areas. 4. **Sizing.** Dance floor is to be sized for 80 personnel. 5. **Floor finish.** The floor is to be suitable for outdoor dancing. |  |
|  | Raised stage area. | 50 | 1. Shall be near the outdoor shaded patio area. 2. Shall be near the outside dance floor. |  | 1. Floor is to be the same level as patio. 2. Overhead cover for UV protection and constructed of a waterproof material. All seams are double weld or sewn. All pressure points such as corner have double material and re-enforced welds to cope in high winds with any rubbing on the frame. 3. The post connecting the shading shall be metal, post should not block viewing angles. 4. Decorative spot lighting is to be installed on the post to give the correct lux level. | 1. 3 x DSOs, IP rated for external use shall be positioned in line with indicative drawing 170/BATIK/42050/219/E001. | 1. All horizontal runs of electrical cable shall be buried. |  |
|  | Outdoor  BBQ / Cooking area. |  | 1. Shall be near the outside bar. 2. Shall be near the shaded seating area. |  | 1. Water supply. Hot and cold water supply for wash hand basin. 2. Wash hand basin. 3. The BBQ is to be constructed out of suitable fire resistant blocks.  It is to provide 2 x Cooking areas of 1m x 0.75m.  Each cooking area is to have Stainless steel cooking grills, charcoal grills and ash trays (With inverted lips to give extra strength and support). Each cooking area is to have a suitable stainless stain serving grill above the cooking grills. 4. Fire retardant overhead cover for UV protection and constructed of a waterproof material. All seams are double weld or sewn. All pressure points such as corner have double material and re-enforced welds to cope in high winds with any rubbing on the frame. 5. The post connecting the shading shall be metal. 6. Decorative spot lighting is to be installed on the post to give the correct lux level. | 1. 2 x double 13 Amp, IP 66 rated socket outlet positioned in line with indicative drawing 170/BATIK/42050/219/E001. | 1. Illumination - 125 lux. 2. **Floor finish.** The floor is to be block paved. |  |
|  | Wooden Fence |  | 1. Shall be located in accordance with Drg170/BATIK/42050/219/C001. |  | 1. The fence is to be constructed using classic close board fence panels or equivalent, fixed to concrete post to add stability in high winds. 2. The panels should offer cover from view with a minimum height of 6ft. The construction should offer easy replacement panels to aid in maintenance. 3. The fence must be waterproofed and finished in an aesthetically pleasing, painted or varnished finish to match the building. 4. The double Gate shall have an open **width of** 3 m, incorporating a galvanized steel internal frame for extra strength and durability, to eliminate twisting and warping. The gate shall be lockable. |  |  |  |

**Annex H to**

**Booklet 3; Part 2– Det PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – ITEM 8: COMMUNITY CENTRE**

**Notes:**

1. 1. All walls and ceiling to be 1-hour fire resistant construction.
2. The Contractor is to highlight any deviations from building regulations and DDA guidance, although the authorities outline proposal is as follows:
   1. That the building is to be fully compliant in terms of access.
   2. To provide a minimum of 1 x DDA compliant unisex WC.

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| **Ser** | **Building/**  **Area Designation** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/Data Requirements** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| 1 | External | Main building | As stated below |  |  |  |  |  |  |
| 2 | Outside play area | 140 | - To be located on the southern side of the main building |  | - Perimeter timber fence to be 1.8 m high.  - 1 x double and 1 x single timber access gates.  - Sunshade to provide 50% cover of the total area at suns highest point. Rigid structure with minimum clear height 2m above highest play structure.  - 1 x 4 person bench seat.  - 1 x child’s slide.  - 1 x double child’s swing.  - Insitu safety flooring provided around play structures.  - Access from main building to be via double door.  - Concrete access ramp from main building. |  | -Ground to be sloped to allow surface water run off  - All play furniture to be approved by Authority. | Play area to be in accordance with BS EN 1176 and 1177 |
| 3 | Veranda | As Reqd | - Full external perimeter |  | - Veranda to be lit min 30 lux  - to be fully covered with a canopy of a rigid structure |  | - 2 m wide concrete based covered veranda. Concrete to have non-slip finish. |  |
| 4 | Path | As Reqd | - Leading to/from all fire exits and main building entrance |  | - Concrete block paving |  | - To lead to main path and parking area to include DDA compliant ramp. |  |
| 5 | Main Building | Community hall | 118.5 | - To be located on the western aspect of the building |  | - 1 x Serving hatch to be located between hall and kitchen.  - 1 x Double 1hr fire rated door leading from hall to main corridor to include vision panels.  - 1 x Double door leading from hall to external play area.  - 1 x Double door leading from hall to North exit.  - 1 x Double door 1/2hr fire rated leading to store room.  - 8 x double windows located at suitable intervals. | 7 x DSO.  1 x Coaxial connection point | - Floor to be constructed of sealed concrete with a non-slip finish.  - FFL to be 0.25 m above ground level.  -3 x Ceiling fan |  |
| 6 | Store | 13.5 | - Access to/from community hall |  | - Double 1/2hr fire rated door leading to hall. | 1 x DSO |  |  |
| 7 | Kitchen | 10.5 | - Access to/from main corridor. |  | - 1 x sink c/w hot and cold water supply.  - Work surface area for food preparation.  - 1 x Ceramic hob  - Under work surface area storage cupboards and space for domestic fridge.  - Domestic fridge.  - 1 x double window.  - 1 x 1/2hr fire rated double door leading to cleaning cupboard.  - 1 x 1/2hr fire rated single door leading to corridor. | 2 x DSO | - DSO located above work surface. |  |
| 8 | Cleaner’s cupboard | 2 | - Access to/from kitchen |  | - 1 x sink c/w hot and cold water supply. |  |  |  |
| 9 | Plant room | As Reqd | - External access to/from south of building located adjacent to kitchen. |  | - door to/from south of building | 1 x DSO |  |  |
| 10 | Network Equipment Room | 4.5 | - Access to/from main corridor |  | - 1 x single door to/from corridor. | 1 x 20 A rotary isolator |  |  |
| 11 | Corridor | As Reqd | - 2 x pedestrian entrances from North. |  | - 1 x Double door with vision panel to provide access from North aspect for main corridor.  - 1 x Double door 1hr fire rated separating welfare office area from rest of building c/w vision panels.  - 1 x Single door with vision panel to provide access from North aspect for welfare offices. | 1 x DSO per 12 m |  |  |
| 12 | Male Toilets | 9 | - access from corridor. |  | - 2 x WC c/w cubicle.  - 1 x Urinal.  - 2 x WHB c/w hot and cold water supply.  - 1 x single window with privacy glass.  - 1 x single door to/from corridor. | 1 x FCU | - FCU for wall mounted extractor fan. |  |
| 13 | Disabled UnisexToilet | 6.5 | - access from corridor.  - adjacent to male toilet. |  | - 1 x WC including handrail.  - 1 x WHB c/w hot and cold water supply.  - 1 x single window with privacy glass.  - 1 x single door to/from corridor. | 1 x FCU | - DDA compliant  - FCU for wall mounted extractor fan. |  |
| 14 | Female Toilets | 9 | - access from corridor.  - adjacent to male and disabled toilet. |  | - 2 x WC c/w cubicle.  - 2 x WHB c/w hot and cold water supply.  - 1 x single window with privacy glass.  - 1 x Single door to/from corridor. | 1 x FCU | - FCU for wall mounted extractor fan. |  |
| 15 | Community Centre Office | 13.5 | - Located between North entrances.  - Access from main corridor.  - 1 x Workstation | 4 x Comms network (data) RJ45 sockets  1x Tele socket | - 1 x double window.  - 1 x Single door to/from corridor. | 2 x DSO | - trunking from DII points to NER.  - Ceiling fan  - 1 Brick for every 9 m2 or each defined workstation. I Brick consists of 2 No double switched power sockets. 4 No Comms network (data) RJ45 sockets and 1 No telephone socket. |  |
| 16 | Welfare Offices | Waiting room | 9 | - To have discreet entrance from Eastern aspect. |  | - Service hatch between waiting area and Welfare clerks’ office.  - 1 x single door to/from east side of building.  - 1 x single door to/from corridor.  - 1 x double window.  - 1 x coaxial point. | 1 x DSO.  1 x TV/FM BFBS oulet and cabling | - Ceiling fan |  |
| 17 | Welfare Clerk | 13.5 | - Located between waiting room and Welfare Officer’s office.  - 1 x Workstation | 4 x Comms network (data) RJ45 sockets  1x Tele socket | - Service hatch between waiting area and clerks’ office.  - 1 x single door to/from corridor.  - 1 x double window.  - 1 x single door to/from Welfare Officer’s office. | 2 x DSO | - trunking from DII points to NER.  - Ceiling fan  - 1 Brick for every 9 m2 or each defined workstation. I Brick consists of 2 No double switched power sockets. 4 No Comms network (data) RJ45 sockets and 1 No telephone socket. |  |
| 18 | Welfare Officer’s office | 20.5 | - Located adjacent to Welfare clerk’s office  - 1 x Workstation | 4 x Comms network (data) RJ45 sockets  1x Tele socket | - 1 x single door to/from corridor.  - 1 x single door to/from Welfare clerk’s office.  - 2 x double windows. | 2 x DSO | - Ceiling fan  - 1 Brick for every 9 m2 or each defined workstation. I Brick consists of 2 No double switched power sockets. 4 No Comms network (data) RJ45 sockets and 1 No telephone socket. |  |

**Annex I to**

**Booklet 3; Part 2*–* Det PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – ITEM 9: ARMOURY**

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| **Ser** | **Building/**  **Area Designation** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/Data Requirements** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| 1 | Armoury | Building | As Reqd | - Access is to be gained by personnel with the intent of acquiring weapons for taskings. |  | - External doorsets are to be a minimum of CPNI Class 3, outward opening.  - CIS Pit and duct from building (entry door) to main CIS pits and duct system. |  |  | DE Ops (North) CST– Standard Armoury Scope of Work, Specification & Drawings (Jan 2007). |
| 2 | Perimeter |  | - Ground level is to be min 3m below roof level.  - Sufficient space to allow 1.8m canopy above door openings. |  | - High pressure sodium lighting to be used.  - Switching of security lighting to be automatic by photocell. Photocells are to placed where not easily accessible. |  | - Lighting of perimeter to be designed as per requirements in E, M & PH Utilities Para 3.2.1/2&3.  - Entrance to armoury to have minimum of 125 lux lighting. |
| 3 | Arms Cotes | Arms Cote 1 (BATUK) | 66.2 | - Accessible from the corridor. |  | - Full height mesh partition segregated area.  -CPNI Class 1 door set. | 2 x DSO | - External walls to have minimum strength of 15 N/mm².  - Walls between cotes to be minimum 100 mm solid dense concrete blockwork.  - Walls are to be strengthened at door openings by minimum 215 mm piers, not to impede on corridor.  - 175 lux lighting |
| 4 | Arms Cote 2  (RE) | 18.6 | - CPNI Class 1 doors set to be hung on 1 ½ pairs of 100 mm heavy duty capped steel butt hinges and open into corridor.  - Locks for doors are to be CPNI Class 2 and be supplied with lock & bolt microswitches. | 1x DSO to each Arms Cote. |
| 5 | Arms Cote 3  (RA) | 18.6 |
| 6 | Arms Cote 4  (PCBC) | 18.6 |
| 7 | Arms Cote 5  (COEFOR) | 18.6 |
| 8 | Arms Cote 6  (Spare) | 18.6 |
| 9 | Arms Cote 7  (HQ MED/RMP) | 18.6 |
| 10 | Arms Cote 8  (A COY) | 18.6 |
| 11 | Arms Cote 8  (B COY) | 18.6 |
| 12 | Arms Cote 8 (C COY) | 18.6 |
| 13 | Arms Cote 9 (VMWS 1) | 18.6 | - Accessible from the corridor.  - Near as possible to exit point. |
| 14 | Arms Cote 9 (VWMS) | 18.6 |
| 15 | Arms Cote 10  (FSP) | 18.6 | 2 x DSO |  |
| 16 | Corridor |  | 94.6 | - Allow access to all cotes & workshop.  - Allow direct entrance & exit from the building. |  | - Ventilation openings at street level are to be fitted internally with internal steel grills or placed at high level. Max size 21 x 25 mm. | 1 x DSO per 12 m. | - Minimum width of 2.4 m and not varied in any way.  - 125 lux lighting. |
| 17 | Armourers Workshop |  | 40.8 | - 1 x Workstation | 4 x Comms network (data) RJ45 sockets  1x Tele socket | - CPNI Class 1 doors set to be hung on 1 ½ pairs of 100 mm heavy duty capped steel butt hinges and open into corridor.  - Locks for doors are to be CPNI Class 2 and be supplied with lock & bolt microswitches.  - Belfast sink to be installed with cold water supply and drainage.  - A robust, permanently mounted externally reinforced fitted bench (900 mm wide x 900 mm high) to be installed. Bench to accommodate minimum of 8 No. cupboards, the bottom of which shall be 100 mm from FFL.  - 250 mm wide shelves to be fitted at 300 mm & 600 mm above bench. | 6 x DSO  3 x 20 A rotary switch. | - 225 lux lighting.  - 1 Brick for every 9 m2 or each defined workstation. I Brick consists of 2 No double switched power sockets. 4 No Comms network (data) RJ45 sockets and 1 No telephone socket. |

**Notes:**

1. Floodlight to be installed on the outside perimeter of building as specified in Para 33, Annex D to Booklet 3; Part 1.

**Annex J to**

**Booklet 3; Part 2– Det PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – ITEM 10, 11 and 12: SINGLE LIVING ACCOMMODATION**

**Notes:**

1. All X, Y and Z type accommodation is to have exposed grid suspended ceiling to all areas except where noted below:
   1. The exposed grid suspended ceilings to the following areas are to be moisture resistant: Shower rooms and bathrooms; Kitchens.
   2. The following areas are not to be fitted with suspended ceilings instead the ceilings are to be plastered and then painted, with the wall plaster taken all the way up to the ceilings or tiled: electrical switchrooms; mechanical and electrical plantrooms; fire escape stairwells; areas immediately above showers cubicles; storerooms; network equipment rooms; cleaners cupboards.
   3. Standard stairwells are to have suspended ceilings installed to landing and also top main soffit/ceiling to the stairwell.
   4. Any multi storey atriums are to have suspended ceilings installed to the top soffit/ceiling.
2. The Contractor is to highlight any deviations from building regulations and DDA guidance, although the authorities outline proposal is as follows:
   1. As a general rule 1 in 20 bed spaces provided must be suitable for DDA individuals.
   2. X, Y and Z Type blocks. 1 x ground floor wing of each ‘X’, ‘Y’ and ‘Z’ type blocks are to be fully DDA compliant in terms of access, this wing is to have a minimum of 1 x unisex DDA compliant WC and shower.
   3. X and Y type blocks. Separate ablutions are to be provided on the basis of 80:20 (Male:Female) split, based on the building bedspace capacity number.
   4. All accommodation blocks WC facilities must be non-gender specific.
3. Bathrooms. Bathrooms are to be provided in comunual areas in accordance with the following ratios:
   1. X Type. 1 per 12 Bedspaces
   2. Y Type. 1 per 12 Bedspaces.
   3. Z Type. 1 per 20 Bedspaces.

| **Ser** | **Building/**  **Area Designation** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/Data Requirements** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **X Type** | | | | | | | | | |
| 1 | 5 No. 16 Man Acc Block (total 80 bedspaces) | 2 No. 8 Man Bedroom | 87  (each) |  | 1 x Comms network (data) RJ45 sockets for each bed space  1x Telephone outlet for each bed space  1 x TV/BFBS outlet | - 1 x 1000 x 600 x 1800 mm double wardrobe with shoe rack at bottom and full length mirror  c/w full width shoe rack at bottom  c/w full length mirror fixed to internal door  - 1 x 1000 x 600 x 500 mm double topbox  - 1 x 600 x 600 x 1800 mm single wardrobe  c/w integral chest drawers, 585mm from plinth level, 4 x drawers (one drawer lockable)  - 1 x 600 x 600 x 500 mm single topbox  - 1 x 1000 x 600 x 710 mm two door cupboard.  - 1 x lockable bedside unit approx size 450 mm x 450 mm x 565 mm  - 1 x 1200 x 800 mm pinboard.  - Wall book shelf unit – 3 shelves, approx 600 mm long, to be located above desk | 16 x DSO  1 x FCU | - 2 x DSO per bedspace.  - 125 lux lighting.  - 3 x Ceiling fan | DIO SLA practitioner Guide 08/12  JSP 315 Scale 3 |
| 2 | 2 No. Shower Rooms (with Bathroom) | 9 (each) | Adjacent to bedroom |  | Each shower room:  - 2 x tiled shower cubicles not GRP shower tray/modules c/w curtain rail, fixed seat, clothes hook, soap holder and towel rail.  - 1 x bathtub c/w fixed seat, clothes hook, soap holder and towel rail.  - 4 x WHB c/w with splash back, mirror, shelf, towel rail and clothes hook.  - There is to be 1 x bathroom per 12 bed spaces (at least one to be provided in each ablution area) at 4m2 area  - each bathroom shall contain; WHB and bathtub c/w fixed seat, 2 x clothes hook, soap holder and shelf and heated towel rail | 2 x FCU | - Toilets and ablution facilities are to be in separate rooms.  - Shower head to allow height adjustment.  - Showers to  be separately partitioned.  - 125 lux lighting.  - FCU for wall mounted extractor fan. | Building Regulations Approved documents part M. |
| 3 | 2 No Toilets (Unisex) | 9 (each) | Adjacent to shower room |  | Each toilet:  - 2 x WC c/w toilet roll holder and clothes hook.  - 2 x urinal.  - 4 x WHB c/w splashback, mirror and light with shaver socket, clothes hook, soap holder and shelf above.  - Ground floor WC min of 1 x to be DDA Compliant inc emergency pull cord system. | 2 x FCU | - Paper towel dispenser provided by others.  - Floor gullies are required in ablution and toilet areas.  - 125 lux lighting  - FCU for wall mounted extractor fan. | Building Regulations Approved documents part M. |
| 4 | Kitchen/Utility | 10.5 | - access via internal corridor |  | - 1 x deep sink unit with draining board and cupboards under.  - 1 x cleaning materials cupboard (2 x 0.6 x 0.6 m)  - 2.5 m run of work surface for snack preparation.  - 2 x ceramic hob as per Gen PSec.  - 1 x undercounter fridge as per Gen PSec.  - industrial washing machine as per Gen PSec.  - industrial dryer as per Gen PSec.  - Drinking water tap | 4 x DSO | - 225 lux lighting. |  |
| 5 | Drying Cupboard/Room | 10.5 | - access via internal corridor  - adjacent to kitchen/utility |  | - drying cupboard with 10 m run of plastic covered hanging rails with captive hangers (one third at shoulder height, remainder at waist height) and shoe rails.  - ironing area. | 2 x DSO | - floor gulley.  - 125 lux lighting. |  |
| 6 | 2 No. Storage Rooms | 8 (each) |  |  | - a number of secures cages in each room (2 x 1 x 0.7 m) |  | - 100 lux lighting. |  |
| 7 | Communal Area | 9 |  |  | - 1 x TV/FM socket  - 1 x Mil Telephone outlet | 3 x DSO | - access via external veranda.  - Ceiling fan |  |
| 8 | Cleaner’s Cupboard | 4.5 |  |  | - 1 x bucket sink with drainer.  1 x locker provided by others. | 1 x DSO | - 100 lux lighting. |  |
| 9 | Plant Room | As Reqd | - on external wall |  |  | 1 x DSO |  |  |
| 10 | Corridor | As Reqd |  |  | - 1 x notice board per 3m run of corridor (1500 x 1000 mm)  - 1 x mirror (1360 x 460 mm) located within 3 m of entry point.  - Width of ground floor corridor is to be minimum 1800 mm for DDA compliance | 1 x DSO (per 12 m run) | - access via external veranda.  - provide supplementary lighting over mirror and notice board as required.  - 175 lux lighting. | Building Regulations Approved documents part M. |
| **Y Type** | | | | | | | | | |
| 11 | 5 No. 16 Man Acc Block (total 80 bedspaces) | 8 No. 2 Man Bedrooms | 23  (each) |  | 1 x Comms network (data) RJ45 sockets for each bed space  1x Telephone outlet for each bed space  1 x TV/BFBS outlet | - 1 x 1000 x 600 x 1800 mm double wardrobe  c/w full width shoe rack at bottom  c/w full length mirror fixed to internal door  - 1 x 1000 x 600 x 500 mm double topbox  - 1 x 600 x 600 x 1800 mm single wardrobe  c/w integral chest drawers, 585mm from plinth level, 4 x drawers (one drawer lockable)  - 1 x 600 x 600 x 500 mm single topbox  - 1 x 1000 x 600 x 710 mm two door cupboard.  - 1 x lockable bedside unit approx size 450 mm x 450 mm x 565 mm  - 1 x 1200 x 800 mm pinboard.  - 1 x 2300 x 600 x 30 mm high pressure laminate worktop desk.  - 1 x 500mm x 600 mm four drawer free standing pedestal, top drawer lockable, to be located under desk  - Wall book shelf unit – 3 shelves, approx 600 mm long, to be located above desk | 4 x DSO | - A rigid privacy screen of 1.2 m minimum height is required to separate the bed spaces.  - 125 lux lighting.   * + 1. - Contractor to determine size and numbers of ceiling fans to provide sufficient air circulation for the room volume. It is assumed that 1 or 2 fans will be required for each room area.   - The designer (contractor) should use CIBSE Guides for adequate ventilation and air circulation for comfort conditions against the expected occupancy rate of the room and the local conditions. | DIO SLA practitioner Guide 08/12  CIBSE Guide B. |
| 12 | 2 No. Toilets/Ablutions (Unisex) | 16  (each) |  |  | Each Toilet ablution:  - 2 x WC c/w toilet roll holder and clothes hook.  - 2 x shower cubical c/w curtain rail, fixed seat, clothes hook, soap holder and towel rail.  - 4 x WHB c/w with splash back, mirror, shelf, towel rail and clothes hook.  - Ground floor WC to be a minimum of 1 x DDA Compliant inc emergency pull cord system.  - There is to be 1 x bathroom per 12 bed spaces (at least one to be provided in each ablution area) at 4m2 area  - each bathroom shall contain; WHB and bathtub c/w fixed seat, 2 x clothes hook, soap holder and shelf and heated towel rail |  | - bath tub and shower cubicles are to be demarcated from each other, but interconnecting.  - 1 x FCU for wall mounted extractor fan.  - 125 lux lighting.  - Shower rose to be fixed to pole to allow height adjustment. - Shower head to allow height adjustment.  - Showers to  be separately partitioned.  - 125 lux lighting.  - Floor gullies are required in ablution and toilet areas. | Building Regulations Approved documents part M. |
| 13 | Kitchen/Utility | 10.5 |  |  | - 1 x deep sink unit with draining board and cupboards under.  - 1 x cleaning materials cupboard (2 x 0.6 x 0.6 m)  - 2.5 m run of work surface for snack preparation.  - 2 x ceramic hob as per Gen PSec.  - 1 x undercounter fridge as per Gen PSec.  - industrial washing machine as per Gen PSec.  - industrial dryer as per Gen PSec.  - Drinking water tap | 4 x DSO | - 225 lux lighting |  |
| 14 | Drying Cupboard/Room | 10.5 | - access via internal corridor  - adjacent to kitchen/utility |  | - drying cupboard with 10m run of plastic covered hanging rails with captive hangers (one third at shoulder height, remainder at waist height) and shoe rails.  - ironing area. | 2 x DSO | - floor gulley.  - 125 lux lighting |  |
| 15 | 2 No. Storage Rooms | 8 (each) |  |  | - a number of secures cages in each room (2 x 1 x 0.7 m) |  | - 100 lux lighting |  |
| 16 | Communal Area | 9 | - access via external veranda |  | - 1 x TV/FM socket  - 1 x Mil Telephone outlet | 3 x DSO | - Ceiling fan |  |
| 17 | Cleaner’s Cupboard | 4.5 |  |  | - 1 x bucket sink with drainer.  1 x locker provided by others. | 1 x DSO | - 100 lux lighting |  |
| 18 | Plant Room | As Reqd | - on external wall |  |  | 1 x DSO | - access via external veranda  - 100 lux lighting |  |
| 19 | Corridor | As Reqd |  |  | - 1 x notice board (1500 x 1000 mm)  - 1 x mirror (1360 x 460 mm)  - Width of ground floor corridor is to be minimum 1800 mm for DDA compliance | 1 x DSO (per 12m run) | - access via external veranda  - provide supplementary lighting over mirror and notice board  - 175 lux lighting | Building Regulations Approved documents part M. |
| **Z Type** | | | | | | | | | |
| 20 | Junior Ranks Accn Blocks (total 72 bed spaces, 1 x DDA compliant room to be situated on ground floor level) | 16 – 18 man single room blocks | 12.5 m² per bed space |  | 1 x Comms network (data) RJ45 sockets for each bed space  1x Telephone outlet for each bed space  1 x TV / BFBS socket outlet | - En-suite toilet facility On-suite (4 m**2**) comprising:  - shower cubical  - 1 x WC with toilet roll holder  - 1 x WHB c/w mirror and light with integral shaver socket- 2 No. of clothes hooks, soap holder, shelf.  - 1 x 1000 x 600 x 1800 mm double wardrobe  c/w full width shoe rack at bottom  c/w full length mirror fixed to internal door  - 1 x 1000 x 600 x 500 mm double topbox  - 1 x 600 x 600 x 1800 mm single wardrobe  c/w integral chest drawers, 585mm from plinth level, 4 x drawers (one drawer lockable)  - 1 x 600 x 600 x 500 mm single topbox  - 1 x 1000 x 600 x 710 mm two door cupboard  - 1 x lockable bedside unit approx size 450 mm x 450 mm x 565 mm  - 1 x 1200 x 800 mm pinboard  - 1 x 2300 x 600 x 30 mm high pressure laminate worktop desk  - 1 x 500mm x 600 mm four drawer free standing pedestal, top drawer lockable, to be located under desk  - Wall book shelf unit – 3 shelves, approx 600 mm long, to be located above desk | 4 x DSO | - to include baggage store  - 125 lux lighting  - Ceiling fan  - There is to be 1 x bathroom per 20 bed spaces (at least one to be provided in each ablution area) at 4m2 area  - each bathroom shall contain; WC, WHB and bathtub c/w fixed seat, 2 x clothes hook, soap holder and shelf, heated towel rail and toilet roll holder. | DIO SLA practitioner Guide 08/12  JSP 315 Scale 3 |
| 21 |  | Kitchen/Utility | 10.5 | - access via internal corridor |  | - 1 x deep sink unit with draining board and cupboards under.  - 1 x cleaning materials cupboard (2 x 0.6 x 0.6 m)  - 2.5 m run of work surface for snack preparation.  - 2 x ceramic hob as per Gen PSec.  - 1 x undercounter fridge as per Gen PSec.  - industrial washing machine as per Gen PSec.  - industrial dryer as per Gen PSec.  - Drinking water tap | 4 x DSO | - 225 lux lighting.  - Domestic fridge to be supplied by Contractor |  |
| 22 |  | Drying Cupboard/Room | 10.5 | - access via internal corridor  - adjacent to kitchen/utility |  | - drying cupboard with 10 m run of plastic covered hanging rails with captive hangers (one third at shoulder height, remainder at waist height) and shoe rails.  - ironing area. | 2 x DSO | - floor gulley.  - 125 lux lighting. |  |
| 23 | 2 No. Storage Rooms | 8 (each) |  |  | - a number of secures cages in each room (2 x 1 x 0.7 m) |  | - 100 lux lighting. |  |
| 24 | Communal Area | 9 |  |  | - 1 x TV/FM socket  - 1 x Mil Telephone outlet | 3 x DSO | - access via external veranda.  - Ceiling fan |  |
| 25 | Cleaner’s Cupboard | 4.5 |  |  | - 1 x bucket sink with drainer.  1 x locker provided by others. | 1 x DSO | - 100 lux lighting. |  |
| 26 | Plant Room | As Reqd | - on external wall |  |  | 1 x DSO |  |  |
| 27 | Corridor | As Reqd |  |  | - 1 x notice board per 3m run of corridor (1500 x 1000 mm)  - 1 x mirror (1360 x 460 mm) located within 3 m of entry point.  - Width of ground floor corridor is to be minimum 1800 mm for DDA compliance | 1 x DSO (per 12 m run) | - access via external verandah.  - provide supplementary lighting over mirror and notice board as required.  - 175 lux lighting. |  |

**Annex K to**

**Booklet 3; Part 2 – DET PSpec to**

**CT/COMM1/0057**

**DETAILED PERFORMANCE SPECIFICATION – ITEM 13: COMBINED MEDICAL AND DENTAL CENTRE FACILITY**

**Notes:**

1. The detailed performance specification for the Combined Medical and Dental Centre Facility (CMDC) shall be read in conjunction with the following concept drawings:
   1. 62/42050/MED/C/001B dated 28 Oct 14 - Medical and Dental Centre, Concept Building Layout.
   2. 62/42050/MED/C/002A dated 28 Oct 14 - Medical and Dental Centre, Dental Centre Floor Plan.
   3. 62/42050/MED/C/003A dated 28 Oct 14 - Medical and Dental Centre, Dental Surgery Layout.
   4. 62/42050/MED/C/004A dated 28 Oct 14 - Medical and Dental Centre, Dental Chair Services.
   5. 62/42050/MED/C/005A dated 28 Oct 14 - Medical and Dental Centre, Dental Surgery Services.
   6. 62/42050/MED/C/006A dated 28 Oct 14 - Medical and Dental Centre, Dental Surgery X-Ray Layout.
   7. 62/42050/MED/C/007A dated 28 Oct 14 - Medical and Dental Centre, CSSD Layout.
   8. 62/42050/MED/C/008A dated 28 Oct 14 - Medical and Dental Centre, CSSD Services.
   9. 62/42050/MED/C/009A dated 31 Oct 14 - Medical and Dental Centre, EHT and Research Room Layout.
   10. 62/42050/MED/C/010 dated 22 Oct 14 - Medical and Dental Centre, Dry & Cold Store and Dental Lab Layouts.
   11. 62/42050/MED/C/011 dated 22 Oct 14 - Medical and Dental Centre, Emergency Treatment, Medical Treatment Room Layouts.
   12. 62/42050/MED/E/001A dated 28 Oct 14 – Medical and Dental Centre, Concept Small Power Layout.
   13. 62/42050/MED/E/002 dated 28 Oct 14 – Medical and Dental Centre, Concept Emergency Lighting Layout.
   14. 62/42050/MED/E/003 dated 28 Oct 14 – Medical and Dental Centre, Concept Emergency Lighting Layout 1.
   15. 62/42050/MED/E/004 dated 28 Oct 14 – Medical and Dental Centre, Concept Emergency Lighting Layout 2.
   16. 62/42050/MED/E/005 dated 28 Oct 14 – Medical and Dental Centre, Concept Fire Safety Layout.
   17. 62/42050/MED/E/006 dated 28 Oct 14 – Medical and Dental Centre, Concept Fire Safety Layout 1.
   18. 62/42050/MED/E/007 dated 28 Oct 14 – Medical and Dental Centre, Concept Fire Safety Layout 2.
   19. 62/42050/MED/C/012 dated 31 Oct 14 – Pharmacy Office and Store Concept Layout.
   20. 62/42050/MED/C/013 dated 31 Oct 14 – Pharmacy Cabinetry Concept Layout.
2. The medical and dental centre facility is to be designed and constructed in accordance with current Department of Health England and NHS regulations and guidelines, as well as the relevant MOD Joint Service Publications including, but not limited to those detailed at Booklet 3, Part 1, Annex A.
3. **Roads and Paths.** To be modular block paving throughout, as specified in Booklet 3, Part 1, Annex B and Annex C.
4. **Walls.** All walls are to be constructed as detailed in Booklet 3, Part 1. All wall finishes are to comply with HBN 00-10 Part B - walls and ceilings - magnolia paint finish. Edge protection should be fitted on all edges through the building.
5. **Not used.**
6. **Fire exits.** There should be a fire exit no more than 15 m travel distance for in-patient accommodation and 18 m travel distance for all other parts of healthcare building in accordance with HTM 05-02: fire code, 2014.
7. **Glazing.** Obscure glazing is to be provided to the windows of clinical treatment, examination and medical consulting suites, and in dental surgeries where they are overlooked.
8. **DDA Compliance.** As detailed within Booklet 3, Part 1, the building is to be fully compliant with DDA Regulations. The Contractor is to highlight any deviations from building regulations and DDA guidance, although the authorities outline proposal is as follows:
   1. That the building is to be fully compliant in terms of access.
   2. To provide a minimum of 1 x DDA compliant male and female WC in each reception area.
   3. To provide a minimum of 1 x DDA complaint unisex ablutions area in 2 Bed Ward area.
   4. To provide a minimum of 1 x DDA compliant unisex ablution in **each** Single Bed Ward.
9. **Doors.** All doors and door ways should DDA compliant, designed and installed in accordance with HBN 00-04 and fitted for use as detailed within the HBN. Doors shall be easy to clean, not harbour bacteria, water resistant and will not warp, swell, rust or rot. Door furniture on manually operated, non-powered, doors should be easy to operate by people with limited manual dexterity and have an opening force of 30 N at 0° (DDA compliant). Outline door specifications are as follows:
   1. **Corridors.** All corridor doors should be double leaf and are to rotate through 180° for ease of access, they are to be full width of the corridors. All doors are to be fire resistant in accordance BS EN1634, and are to be fitted with electro-magnetic door catch on both directions of swing.
   2. **Emergency treating room, medical treating room/ sluice, single bed ward, bedding down facility and washroom.** All doors within the emergency treatment room, medical treatment room, ward areas and washroom facilities are to have a minimum door opening of 1.4 m.
   3. **Electro magnetic door catches.** Door restraint mechanisms linked to the fire alarm system are to be provided, tenderers should refer to Crown Fire Standard C3 for details of application. All electro magnetic door catches should be self releasing when activated by local smoke detectors and the main fire alarm system, or when the mains power supply fails or when activated by a local hand operated switch.
10. **Flooring.** Floor finishes are to meet the performance classifications and periods of fire resistance given in All flooring shall comply with Health Building Note (HBN) 00-10 Part A flooring. Floor finishes should be of a material that is not physically affected or degraded by the detergents and disinfectants likely to be used. Floor finishes should provide a flat surface without pronounced texturing to allow the passage of wheeled traffic and to assist maintenance. The flooring in the CMDC should be as follows:
    1. **Offices, staff lounges, private room, public area WC’s, records/ admin and storage.** The floor is to be tiled using 300 x 300 x 6 mm thick ceramic tiles.
    2. **All other rooms.** Floors should have a non-slip cleanable surface with welded joints and edges throughout. The flooring system is to include coved edges where the floor meets walls or cupboard bases.
11. **Ceilings.** All ceilings are to comply with HBN 00-10 Part B - Walls and Ceilings unless specified in the table below. The false ceiling is to be exposed grid system which is to be installed in all clinical areas, corridors and public spaces, stores areas and office settings. The floor to false ceiling height in the building should be no less than 2.7 m. The ceiling tile material and finish utilised is to be in accordance with HBN 00-10 Part B.
12. **Curtains Rails.** Fixed batten curtain rail/track is to be provided in rooms where curtains are specified, all rails to are comply with HTM 66 – Cubicle Curtain Track. The Authority will provide all curtains.
13. **Fixtures and fittings.** Unless stated in the table below all fixture and fitting shall be in accordance the relevant specifications with Booklet 3, Part 1, Annexes C to E.
14. **Medical Cabinetry.**  All medical cabinetry is to be sourced from NHS approved suppliers, such as Sunflower Medical Furniture or similarly approved. Concept layouts the following areas are to be confirmed – Emergency Treatment, Consulting Suites, Pharmacy Office and Store . Unless specified in table below the cabinetry specifications for the CMDC are detailed below, Figure 3-2-K-1 also refers:
    1. **Carcase.** Constructed from 18 mm thick Medium Density Fibreboard (MDF) faced with slightly textured melamine in white. Standard carcase backs to be of 18 mm particle board faced with slightly textured melamine in white. Mounted at 100mm AFFL
    2. **Cupboard shelves.** Cupboard shelves to be constructed from 18 mm thick MDF faced with slightly textured melamine in white and supported on adjustable shelf supports at 64 mm centres.
    3. **Visible edges.** Matching 1 mm Polyvinyl Chloride (PVC) edging to be applied to visible edges.
    4. **Door and drawer front.**  Manufactured in Vinyl wrapped 18 mm thick MDF with a white melamine balance to the back, chamfered profile edges.
    5. **End, support, back and in-fill panels.** Vinyl wrapped 18 mm thick MDF with a white melamine balance to the back. End panels to have a plinth cut out profile.
    6. **Plinths.**  Black melamine faced, 18 mm thick moisture resistant MDF, to suit cabinet mounting heights.
    7. **Drawer system.** Metal sides with a white melamine faced 18 mm tick MDF base and back panel, drawers are to utilise a soft-close system.
    8. **Hinges.**  Soft close clip on type with 170° action.
    9. **Handles.** Steel angular pull type in a satin finish.
    10. **Locks.** Provided as required, barrel type.
    11. **Cabinet legs.** Adjustable height legs with brackets for clip-on plinth fixing.
    12. **Wall Mounted Cabinets.** Wall mounted cabinets are to be provided to the same specification as detailed above, and are to be mounted to provide approx 600mm of working space above any worktop area below.
    13. **Worktops.** Medical worktops are to be mounted as detailed within the table below. Worktops are to incorporate continuous sealed upstands (further detail provided at Para XX (n)) to prevent leakage of spilt liquids behind the cabinets. A 30mm worktop overhang must be present to prevent spilled liquids entering drawers or cupboards. All edges and corners are to be rounded. Worktops are to be easily maintained, manufactured in a seamless composite material, equal to, or exceeding the physical properties of Corian with the following specification and characteristics:
        1. Seamless joints, and capable of including seamless sinks, as required by the dental surgery design.
        2. Non-porous.
        3. High impact resistance.
        4. A minimum thickness of 38 mm.
        5. High chemical resistance.
        6. Class 1 fire rating.
        7. Provided with manufacturers minimum warranty of 8 years.
    14. **Upstands.** Upstands may be machined to accommodate electrical cable and data cable trunking, and may incorporate power sockets, and electrical controls as required.
15. **Dental Cabinetry.**  All dental cabinetry is to be sourced from NHS approved suppliers, such as Dentalstyle or similarly approved. Due to the complexity and specific detailed requirements for the installation of dental cabinetry (within the dental surgery, CSSD and dental laboratory) the Authority will provide details of approved installers by Thu 23 Oct 14. Concept layouts of an Authority approved dental surgery and CSSD facilities are at Appendix 1, to provide an indication of the cabinetry layout and formats required. Unless specified in table below the cabinetry specifications for the CMDC are detailed below, Figure 3-2-K-1 also refers:
    1. **Carcase.** Constructed from 18 mm thick Medium Density Fibreboard (MDF) faced with slightly textured melamine in white. Standard carcase backs to be of 18 mm particle board faced with slightly textured melamine in white. Mounted at 100mm AFFL
    2. **Cupboard shelves.** Cupboard shelves to be constructed from 18 mm thick MDF faced with slightly textured melamine in white and supported on adjustable shelf supports at 64 mm centres.
    3. **Visible edges.** Matching 1 mm Polyvinyl Chloride (PVC) edging to be applied to visible edges.
    4. **Door and drawer front.** Manufactured in Vinyl wrapped 18 mm thick MDF with a white melamine balance to the back, chamfered profile edges.
    5. **End, support, back and in-fill panels.** Vinyl wrapped 18 mm thick MDF with a white melamine balance to the back. End panels to have a plinth cut out profile.
    6. **Plinths.**  Black melamine faced, 18 mm thick moisture resistant MDF, to suite cabinet mounting heights.
    7. **Drawer system.** Metal sides with a white melamine faced 18 mm tick MDF base and back panel, drawers are to utilise a soft-close system.
    8. **Hinges.**  Soft close clip on type with 170° action.
    9. **Handles.** Steel angular pull type in a satin finish.
    10. **Locks.** Barrel type.
    11. **Cabinet legs.** Adjustable height legs with brackets for clip-on plinth fixing.
    12. **Wall Mounted Cabinets.** Wall mounted cabinets are to be provided to the same specification as detailed above, and are to be mounted to provide approx 600mm of working space above any worktop area below.
    13. **Worktops.** Medical and dental worktops are to be mounted as detailed within the table below. Worktops are to incorporate continuous sealed upstands (further detail provided at Para XX (n)) to prevent leakage of spilt liquids behind the cabinets. A 30mm worktop overhang must be present to prevent spilled liquids entering drawers or cupboards. All edges and corners are to be rounded. Worktops are to be easily maintained, manufactured in a seamless composite material, equal to, or exceeding the physical properties of Corian with the following specification and characteristics:
        1. Seamless joints, and capable of including seamless sinks, as required by the dental surgery design.
        2. Non-porous.
        3. High impact resistance.
        4. A minimum thickness of 20 mm, and must be solid material.
        5. High chemical resistance.
        6. Class 1 fire rating.
        7. Provided with manufacturers minimum warranty of 8 years.
    14. **Upstands.** Upstands may be machined to accommodate electrical cable and data cable trunking, and may incorporate power sockets, and electrical controls as required.
    15. **Dental Pass Through Cabinets.** Not required.
    16. **CSSD Autoclave Drawer Shelf.** The CSSD clean area cabinetry should incorporate a heavy duty draw out shelf. The shelf drawer components are to be robust in order to be capable of supporting the Eschmann SES 2000 Autoclave unit with the shelf in the out / open position for extended periods.
16. **General Cabinets and Worktops.**
    1. **Carcase.** Constructed from 18 mm thick Medium Density Fibreboard (MDF) faced with slightly textured melamine in white. Standard carcase backs to be of 18 mm particle board faced with slightly textured melamine in white. Mounted at 100mm AFFL
    2. **Cupboard shelves.** Cupboard shelves to be constructed from 18 mm thick MDF faced with slightly textured melamine in white and supported on adjustable shelf supports at 64 mm centres.
    3. **Visible edges.** Matching 1 mm Polyvinyl Chloride (PVC) edging to be applied to visible edges.
    4. **Door and drawer front.** Manufactured in Vinyl wrapped 18 mm thick MDF with a white melamine balance to the back, chamfered profile edges.
    5. **End, support, back and in-fill panels.** Vinyl wrapped 18 mm thick MDF with a white melamine balance to the back. End panels to have a plinth cut out profile.
    6. **Plinths.**  Black melamine faced, 18 mm thick moisture resistant MDF, to suite cabinet mounting heights.
    7. **Drawer system.** Metal sides with a white melamine faced 18 mm tick MDF base and back panel, drawers are to utilise a soft-close system.
    8. **Hinges.**  Soft close clip on type with 170° action.
    9. **Handles.** Steel angular pull type in a satin finish.
    10. **Locks.** Barrel type.
    11. **Cabinet legs.** Adjustable height legs with brackets for clip-on plinth fixing.
    12. **Wall Mounted Cabinets.** Wall mounted cabinets are to be provided to the same specification as detailed above, and are to be mounted to provide approx 600mm of working space above any worktop area below.
    13. **General Worktops.** General worktops are to be to the specification detailed below. These are to be installed in the staff rooms, kitchen area, cleaners rooms, and any other non-medical or non-dental areas.
        1. Thickness. To be approx 38mm thick.
        2. Material. To be constructed from 630 density chipboard conforming to BS EN 312 2003 Grade P2, or similarly approved standard.
        3. Surface finish. Colour to suit location. Matt finish. Conform to BS EN438.
        4. High impact resistance.
        5. High chemical resistance.
        6. Non-porous.
17. **Sanitary Ware.** The Authority concept drawings provide an outline indication of required sink and wash hand basin locations. The detailed design and subsequent installation is to provide all sinks and wash hand basins in order to comply with HBN 00-10 Part C Sanitary Ware and NHS infection control guidance, to include all clinical and non-clinical areas.
    1. **Dental Sinks and Wash Hand Basins.**  The sink is to be fitted with a lever operated mixer tap, and The sinks may be constructed either of stainless steel or moulded from the same material as the worktops and bonded seamlessly with the worktop.
       1. May have integrated or separate splashback.
       2. Should have smooth form, and easily cleanable surfaces, with no overflow orifices.
       3. Integral back outlet, connected to concealed services.
       4. Wall mounted self-mixing unit, elbow operated taps.
       5. Taps must not discharge directly into the drain aperture as this may generate aerosols (i.e. the U-bend is not to be directly below the plughole).
       6. Sink to have hot and cold water supply.
       7. No plugs are to be provided.
       8. Sinks are to have paper 1 x towel dispenser.
       9. Sinks to have 1 x soap dispenser.
    2. **Medical Clinical Areas - WHB Clinical Small.** Are tobe in accordance with HBN 00-10 Part C, in outline to the following specifications:
       1. Approx 500mm long x 400 mm wide, may have integrated or separate splashback.
       2. Should have smooth form, and easily cleanable surfaces, with no overflow orifices.
       3. Integral back outlet, connected to concealed services.
       4. Wall mounted self-mixing unit, elbow operated taps.
       5. Sink to have hot and cold water supply.
       6. No plugs are to be provided.
       7. Sinks are to have paper 1 x towel dispenser.
       8. Sinks to have 1 x soap dispenser.
    3. **Medical Clinical Areas – WHB Clinical Surgeons.** Are tobe in accordance with HBN 00-10 Part C, in outline to the following specifications:
       1. Approx 500mm long x 400 mm wide, may have integrated or separate splashback.
       2. Should have smooth form, and easily cleanable surfaces, with no overflow orifices.
       3. Integral back outlet, connected to concealed services.
       4. Wall mounted self-mixing unit, elbow operated taps.
       5. Sink to have hot and cold water supply.
       6. No plugs are to be provided.
       7. Sinks are to have paper 1 x towel dispenser.
       8. Sinks to have 1 x soap dispenser.
18. **Power Sockets and CIS Outputs**. The design concept for power sockets and CIS outputs is for each office area workstation to be considered as a ‘brick’ for communication and supporting power distribution sockets, all specialist / clinical area requirements are detailed with the table below. The ‘brick’ concept is considered to be 9 m2 floor area, provided with the items to provide IT and telecoms connectivity to a designated workstation detailed below:
    1. 2 x Double Socket Outlets (DSO) switched.
    2. 4 x Comms outlets, RJ45 outputs.
    3. 1 x telephone socket outlet.
19. **Conduit Runs.** Conduit runs installed by the contractor and to be cabled by the Authority are to include a draw wire to allow the Authority to install cabling. All conduit runs are to be buried in walls or run above the false ceilings, the runs are to incorporate swept bends.
20. **Fire alarm system.** The fire alarm system shall be heard in the Audiometric and Consulting suites. Door restraint mechanisms linked to the fire alarm system are to be provided, tenderers should refer to Crown Fire Standard C3 for details of application. All fire alarm systems installed are to be compatible with Menvier products and installed as detailed within Booklet 3, Part 1, Annex D.
    1. **Electro magnetic door catches.** Door restraint mechanisms linked to the fire alarm system are to be provided, tenderers should refer to Crown Fire Standard C3 for details of application. All electro magnetic door catches should be self releasing when activated by local smoke detectors and the main fire alarm system, or when the mains power supply fails or when activated by a local hand operated switch.
21. **DDA Toilet Alarms.** DDA toilet alarm pull cords for use in emergencies should be provided in all DDA ablution areas. The pull cord alarm sounders are to be provided with a local sounder / light mounted directly outside the room and are also to be linked to the respective areas:
    1. Medical Reception and Medical Areas. To be linked to the medical reception desk.
    2. Dental Reception and Dental Areas. To be linked to the dental reception desk.
    3. Ward Area. To be linked to the nurses station.
22. **Communications/data.** Contractor is to install all ducting, conduit/trunking, back sockets and blank faceplates for all communications and data systems. The cabling, final connections and commissioning is to be carried out by the Authority, unless detailed below. All conduit/trunking is to be terminated in the IT/ Server room.
23. **BFBS TV Requirements.** BFBS TV outlets are to be provided as detailed within Booklet 3, Part 1, Annex D. The contractor is to provide all trunking, conduit, cabling, faceplates to the specifications detailed in Booklet 3, Part 1, Annex D. The BFBS trunking and cabling is to be terminated within the plantroom.
24. **Internal communication system.**  There is to be an internal intercom system interlinking the emergency treating room, admin room, exercising room, nurse’s station, dental office and staff lounges. All rooms shall be supplied with an input (microphone) and output (speaker) mechanism. The inter-comm base station is to be located within the medical admin office area. This internal intercom system is in addition to the camp system feed from the guardroom.
25. **Hot Water System.** The hot water system is to be located in one or more plantrooms as required through detailed design. The hot water is to be provided through a combination of roof mounted solar panels supplying a minimum of one hot water storage tank. The system is to comply with the outline specifications detailed at Booklet 3, Part 1, Annex D and E.
26. **Ventilation.**  Unless specified in the table below the building is to be ventilated using natural background ventilation. The building is to incorporate trickle vents, air bricks and transfer grilles to maintain required air changes and cooling in all areas. Air-change rates are to comply with HTM 03-01 specialised ventilation for health care premises (Appendix 2).
27. **Medical gas storage.**  There is a requirement to store small quantities of medical gas cylinders within the Dry Store, bulk medical gas cylinder storage will be within the external medical gas store. The medical gas store and dry store are to be constructed in accordance with HTM 02-01, Part B and JSP 319.
28. **Dental Air Compressor.**
    1. **Regulations.** Dental quality compressed air supplies and the system installation must conform to HTM 2022 Supplement 1, and meet the requirements of JSP 375 Vol 3, Chapter 4, Medical Gas and Pipeline Systems and Dental Air and Vacuum Systems.
    2. **Dental Air Demand.** Dental compressed air is to be supplied to the dental operating unit (which includes a supply to the dental chair footbox and the cabinetry at the head of the chair) and CSSD (Clean), where the terminal pressures must meet the dental operating unit and handpiece oiler (located within the CSSD Clean) manufacturers' minimum requirements. As a general guide, the dental operating unit will require a supply of 80 litres of air per minute.
    3. **Compressor Specification.** There is a requirement for a duty and standby dental air compressors to be provided, installed and commissioned by the contractor. The duty and standby units are to be installed with supporting electrical services, control conduit, pipework and associated connections configured to allow for manual change-over of the duty compressor. The manual changeover facility is to be located within the dental air compressor room. The dental air compressor - Dental Air DAP-2 (see <http://www.dentalair.com/>) or similarly approved, with the following output:
       1. Oil-free reciprocating compressor.
       2. Desiccant dryer operates: to -46°C.
       3. Anti-vibration mounting.
       4. Delivery air pressure – 6 Bar.
       5. Air capacity output – approx 125 litre per min.
       6. Motor - 1.2 kW.
       7. Internally coated, air receiver with capacity of approx 25 litre.
       8. Maximum Noise level – 65dB.
    4. **Siting.** The dental compressor should be located within the dental air compressor room as detailed on Dwg XXXX. The compressor plantroom is to be provided with direct access external to the Medical and Dental Centre building. Room is to provide sufficient ventilation for the unit to operate in accordance with manufacturers instructions ie louvred doors, windows or vents are to be provided. The plantroom layout is to be DMG 008 compliant.
    5. **Testing and Commissioning.** The dental air compressor and pipework system is to be fully tested and commissioned in accordance with the afore mentioned guidance documentation, the commissioning process is to include Authorised Persons Medical Gases design and installation, as well as acceptance / accreditation from the Authority (ie MDSS technicians required to conduct air quality testing prior to use of the system). The contractor is to include certification of the pressure system in accordance with the Pressure System Regulations 2000 and JSP 375.
29. **Dental Vacuum.** There is a requirement for a duty and standby unit to be installed, these units will be provided by the Authority. The duty and standby units are to be installed with supporting electrical services, control conduit, pipework d associated connections as detailed within the specification below. The contractor supplied pipework and control cable conduit must include a manual changeover facility, that is to be located within the dental vacuum room, these changeover components must be easily accessible to Authorised Personnel. The contractor is required to install, test and commission the pipework. The Authority will install, test and commission the pumps and control cabling.
    1. The dental vacuum unit(s) will be provided by the Authority. The unit(s) to be provided is the Durr VSA 300S Dental Suction Pump.
    2. The contractor is to provide all pipework and conduit as detailed within drawings listed at Note 1.
    3. Dental vacuum system is to be installed in accordance with HTM 2022 Supplement 1, and meet the requirements of JSP 375 Vol 3, Chapter 4, Medical Gas and Pipeline Systems and Dental Air and Vacuum Systems. The dental suction unit and pipework system is to be fully tested and commissioned in accordance with the afore mentioned guidance documentation, the commissioning process is to include Authorised Persons Medical Gases design and installation concurrence, as well as acceptance / accreditation from the Authority (ie MDSS technicians).
30. **Dental Appliances.** The following dental appliances are to be provided as detailed within the specification below. The contractor is required to provide adequate space and services to allow for installation of the components.
    1. **Thermo Washer Disinfector.** The current MOD supplied unit is the Thermo Klenz, Thermo Washer Disinfector Dryer (Ref 90000119), further information available from <http://www.wh.com/en_uk/dental-products/sterilization-hygienic-maintenance/reprocessing-devices/thermoklenz/>
    2. **Autoclaves.** The current MOD supplied unit is the Eschmann SES 2000, however this is likely to be replaced with a more modern equivalent unit. For design purposes the services required for the autoclave units should be capable of supporting the Eschmann SES 2000. <http://www.eschmann.co.uk/infection-control/autoclaves/show/ses-2000-11-litre-autoclave>
    3. **Ultrasonic Bath (x 2 required in CSSD).**
       1. Overall Dimensions 365 x 280 x 245 mm
       2. Weight 4.9 kg
       3. Typical Generator Peak Output 850 watts
       4. Typical Power Consumption 420 watts
    4. **Magnifying Inspection Light.**
       1. Magnification 1.75x to 2.25x
       2. Light Source LED Technology (80 Lamps)
       3. Lamp Type 3, 6 or 12 Dioptre
       4. Arm Length 800 to 1100 mm Reach – change spec in doc!
       5. Power Supply 230V ~ 50hz 8W
    5. **Thermo Pouch Seal.**
       1. Approx size – 500mm L x 500 mm D x 450mm H
       2. Voltage - 230V
       3. Frequency - 50 / 60 Hz
       4. Power - 100 W
       5. Weight - 7.1 kg
    6. **Handpiece Oiler.**
       1. Approx size – 250 mm L x 400 mm D x 370 mm H
       2. Voltage - 230V
       3. Frequency - 50 / 60 Hz
       4. Nominal current – 0.1 to 0.3A
       5. Maximum Power Consumption - 60VA
       6. Weight - 7 kg
    7. **Reverse Osmosis Plant.** The contractor is to provide an RO unit, the Elga BIOPURE 60 or similarly approved to the following specification:
       1. Output product - 60 litre per hour
       2. Delivery flow rate up to 10 litre per min @22.5 psi (1.5 bar)
       3. Approx size – 790 mm L x 480 mm W x 820 mm H
       4. Operational Weight – approx 115 kg
       5. Floor mounted unit
       6. Feed water flow rate – 9 litre per min
       7. Drainage requirement – 20 litre per min
       8. Electrical requirements 230 V ac, 50 Hz, Peak power demand 800 VA.
    8. **Water Softener.** There is a high probability that the source water for LAB (E) will have high TDS content, in order to maximise the life span of the RO plant there is a requirement to pass the RO feed water through a water softener unit. This unit is to be mounted adjacent to the RO unit within the CSSD Clean area. The water softener outline specification is as follows:
       1. Unit standard:  Water softener shall comply with BS EN 14743:2005.
       2. Minimum water pressure: 1 bar (g).
       3. Maximum water pressure: 6 bar (g).
       4. Flow rate: 10 Ltrs/min.
       5. Safety fittings: water softener shall be installed with the following:
          1. Bypass valve.
          2. Drain valve.
          3. Unrestricted overflow pipe.
          4. 5 Bar (g) pressure limiting valve.
    9. **Bed Pan Macerator Unit.** Thebed pan macerator unit is to be the Haigh Panaway macerator or similarly approved. The contractor is to procure, install, test and commission the bed pan macerator unit. Techincal information for this unit is available at <http://www.haigh.co.uk/downloads/Sluicemaster_Panaway_Brochure.pdf>**.** The outline specification for the unit is as follows:
       1. Power: 240V, 590W, 13A supply.
       2. Maximum loading: 4 bed pans.
       3. Dry weight: 85 kg
       4. Dimensions: Approx. 430 mm L x 600 mm D x 950 mm H.
       5. Water demand: 16 litre / cycle.
       6. Drainage: 50 mm dia.
31. **Reception Desks.** Reception desks (where possible) are to accommodate both seated and wheelchair bound employees such that at least one section of the working surface is no higher than 750 mm and a knee recess no less than 700 mm above floor level. The reception desks and **nurse station desk** are to be to the following specification and characteristics:
    1. Thickness. All component parts to be constructed using chip board, minimum thickness of 10 mm.
    2. Work tops. Worktop sections are to be a minimum of 25 mm thick.
    3. Finish. All components are to be finished with an Ash veneer with all external end, back and infill panels to match throughout..
    4. Drawer Unit. 3 drawers, at least 1 x lockable drawer.
    5. Incorporate DSO, IT network points and telcoms point for IT workstations.
    6. Layout to suit installation and use of an IT workstation behind the desk front or top.
32. **Shelving.** General shelving units are to be to the specification detailed below:
    1. Steel shelving with a total max. load capacity of 1000 kg.
    2. Each shelving rack is provide with 5 no. adjustable shelves, with a max. load capacity of 200 kg each.
    3. Constructed from galvanized steel with a white power coat finish.
33. **Roller Shutter Hatches.** The roller shutter hatches required within the facility are to be provided by the contractor, to the following specification:
    1. Curtain.
       1. Receptions Hatches. Constructed using 50 mm interlocking high density/heavy duty uPVC or extruded aluminium laths. The laths are retained in position using nylon end locks fitted with aluminium rivets. Laths are to be slotted to provide ventilation and vision through the curtain (approx 25% curtain area).
       2. Pharmacy Hatches. Constructed using 50 mm interlocking high density extruded aluminium laths. The laths are retained in position using steel or aluminium end locks fitted with aluminium rivets.
    2. Bottom Rail. Approx 40mm wide, extruded aluminium sections complete with finger pull.
    3. Side Guides and Angles.
       1. Reception Hatches. Side guides fabricated from 38 x 29 x 3mm extruded aluminium channel roll formed and complete with splayed tops.
       2. Pharmacy Hatch. Side guides fabricated from 65 x 32 x 3mm galvanised steel channel roll formed and complete with splayed tops.
    4. Roller Drum. To be fabricated from 100 mm extruded aluminium tube. The assembly is to incorporate helical torsion springs engineered to counter balance the Curtain, fixed to nylon roller blocks and a mild steel axle. The tube is to be mill finished aluminium.
    5. Bracket Plates. Fabricated from 3 mm galvanised steel in sizes to suit the height of the opening and engineered tube size.
    6. Operation. To be motorised opening, and closing, with manual override. Control gear to be located adjacent to roller shutter, within the reception desk area. An adequate power supply and suitable isolation / FCU is to be provided.
    7. Door Locking.
       1. Reception Hatches. To be secured using 2 no. Bullet Pins with interconnecting rod and a Central Keyed Lock to the Bottom Rail.
       2. Pharmacy Hatch. To be secured using 2 no. independent key locking Bullet Pins located on both sides of the Bottom Rail.
    8. Finishes.
       1. Reception Hatches. uPVC to be brushed or matt finish, in colour to suit surrounding décor or (if aluminium lathes provided) aluminium laths are to be powder coated in colour to match surrounding décor. All mild steel items are to be provided with zinc rich primer paint.
       2. Pharmacy Hatch. Powder Coating in colour to match surrounding décor. All mild steel items are to be provided with zinc rich primer paint.
    9. Hoods / Fascias. Hoods / facias are to be provided, and are to be manufactured 20 swg (0.9 mm) galvanised steel sheet. Finished to as detailed above.
    10. Weight.
        1. Reception Hatches. Approx 10 kg/m2.
        2. Pharmacy Hatches. Approx kg/m2
34. **Stainless Steel pipework.** Stainless steel pipework is to be used to connect the RO machine to the thermo-disinfectors and the autoclave units This pipework is to be installed by the contractor. The stainless steel pipework is to be to the following specification:
    1. All pipework used for the installation shall be for use with potable water.
    2. Stainless Steel tube and fittings to BSEN 1.4404 (Grade 316L) – suitable for hygienic applications.
    3. Stainless steel pipework and fitting shall be in accordance with [BS EN 10216](javascript:loadCISDocument('266398');) and [BS EN ISO 1127:1997](javascript:loadCISDocument('98511');).
    4. Working pressure: 2 bar (g).
    5. Flow rate: 10 ltrs/min.
    6. Pipe diameter: 15 mm.
    7. Joints: Joints are to be compression fitted.
    8. Supports: Pipework is to be supported every 1.2 m.

| **Ser** | **Room/**  **Area Designation** | **Room Area (m2)** | **Siting Considerations** | **Comms/ Data Req** | **Fixtures & Fittings** | **Electrical Power** | **General Comments** | **Reference** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Porte cochere/ covered area for ambulance with hard surface road | 204 | - Requires an access route from main road network. |  | 1. **Walkway.** The covered walkway is to have the same finish to the CMDC covering, so that the structure blends into the building. 2. **Roof.** Roof supports are to be constructed of steel. Rain water goods are to be provided for all roof areas. Rain water to general surface water drainage system. 3. **External lighting.** External lighting shall be mounted at a minimum height of 2.2 m around the covered area, so that the correct Lux levels are achieved. All lighting under the covering is to be connected to the roof support structure. Lights should be operated by PIR sensor, and also have the capability for this PIR system to be manually overridden. | 1. 2 x IP66 DSO for use by ambulance staff. | 1. **Illumination:** 100 Lux ambulance bay. 2. **Ramped approach.** The ramped approach shall comply with Approved Document (M). 3. **Floor finish.** Roads and paths as per Note 3. |  |
|  | Entrance porches and trolley bay. | 30 | - Capable of holding 1 trolley and 1 wheel chair.  - Shall be located near the access points. |  | 1. **External lighting.** External lighting shall be mounted at a minimum height of 2.2 m around the covered area, so that the correct Lux levels are achieved. All lighting under the covering is to be connected to the building porch structure. 2. **Porch Light.** Lights should be operated by PIR sensor, and also have the capability for this PIR system to be manually overridden. 3. **Night Call.** Night call bell push mounted next to the main entrance door and external light mounted above the main entrance. Night call bell sounder shall be located in the Nurse Station. 4. **Doors.** All external doors are to be lockable. |  | 1. **Illumination:** 2. 175 Lux for entrance hall. 3. 100 Lux for trolley bays. 4. **Floor finish.** As per Note 3 and Note 10. |  |
|  | Main reception | 44 | 1. Reception space is to overlook waiting area. 2. Door is to be located in to the admin office. | - 4 x Comms outlets, RJ45 outputs.  - 1 x telephone socket outlet. | 1. **Reception desk**. Reception desk and counter is to accommodate both standing and wheelchair bound visitors such that at least one section of the counter with working surface no higher than 750 mm and a knee recess no less than 700 mm above floor level. 2. Reception desk specification as detailed at Note 31, comprising of the following components:   2.1  Drawer Unit, with 3 drawers, at least 1 x lockable drawer.  2.2. Panelling to the front of the desk, with a fixed top, and a fixed plinth.  2.3. All external end, back and infill panels to match throughout.  2.4. Level counter on the external side of hatch.  2.5.Privacy requirement so that non-entitled personnel can not overlook computer screens.  3. **Roller Shutter.**  The reception desk area is to be capable of being secured by a roller shutter as per drawings detailed at Note 1. The roller shutter is to be as specified at Note 33.  4. **Centre Intercom Base Station.** The medical centre PA / intercom base station is to be located in the reception desk area. Components are to be as specified in Booklet 3, Part 1, Annex D.  5. **Children’s play area.** Approx 4.5m2required. The contractor is to provide child’s desk and 4 No. chairs and 2 no. wall mounted timber or plastic play stations, these are to be approx 1000 mm x 1000 mm, mounted at low level, and CE approved.  6. **Signage.** Building layout / directory sign. Direction signs at all change of directions detail which rooms the corridor leads to. | - 4 x DSO built into reception desk for workstation.  - 2 x DSO at rear of reception area.  - 1 x DSO for intercom system. | 1. **Illumination:** 2. **Waiting area.** 200 Lux. 3. **Reception area.** 350 Lux. 4. **Floor finish.** As per Note 10. 5. **Walls finish.** As per Note 4. 6. **Ceiling finish.** As per Note 11. 7. **Ventilation.** As per Note 26. |  |
|  | Waiting Area | Included in room area for main recepti-on | 1. Located in view of the reception desk hatch. 2. Seating area to be clear of main corridor access routes. | 1 x TV (BFBS) Socket | **Waiting Area**   1. **Seating.** Authority to provide seating, space to be provided for approx x 9 seats for waiting patients each seat is to have 1.3 m2 area. Seating area is to have room for a wheel chair patient. 2. **TV.** TV to be provided by the Authority, approx size of TV will be 32” flatscreen. The contractor is to provide 1 x FCU and BFBS TV outlet, these are to be provided at a suitable location within for waiting area viewing. It is to be located clear of the access corridor routes. | 1. 1 x FCU for TV 2. 2 x DSO located at opposite sides of area for cleaning. | 1. **Illumination:**   200 Lux.   1. **Floor finish.** As per Note 10. 2. **Walls finish.** As per Note 4. 3. **Ceiling finish.** As per Note 11. |  |
|  | WC areas | 16.38 | 1. Located near, but not in the waiting areas. 2. Located in both medical and dental areas. DDA compliant. |  | 1. **Layout.** To be located within each as per drawing detailed at Note 1. Each toilet area to include items detailed below: 2. **Water Supply**. Hot, cold and drinking (labelled). 3. **Soap Dispenser.** 1 x Soap dispenser above every sink. 4. **Paper Towel Dispenser.** 1 x Paper towel holder per toilet area. 5. **Hand Dryer.** 1 x Hand dryer. To be located within each ablution/toilet area. 6. **Extract Fan.** 1 x Extractor fan to be installed within each WC area. | - 2 x FCU per WC area. | 1. **Illumination:** 2. Ablutions 125 Lux. 3. Supplementary lighting over mirrors 225 Lux. 4. FCUs for wall mounted extractor fan and hand dryers. 5. **Floor finish.** As per Note 10. 6. **Walls finish.** As per Note 4. 7. **Ceiling finish.** As per Note 11. 8. **Ventilation.**  Mechanical extraction. As per Note 26. 9. **DDA Compliant.** All toilets are to be compliant with Approved Document (M). 10. **Baby changing.** There shall be a baby changing facility within both the medical and dental reception areas. |  |
|  | Pharmacy Office | 14 | 1. Located within Pharmacy Store. 2. 1 x Workstation (located so can not be overlooked from hatch / counter). | 4 x Comms outlets, RJ45 outputs.  1 x telephone socket outlet. | 1. **Hatch.** There is to be a hatch from the Pharmacy Store in to the corridor. Approx size to be 1250mm H x 750mm W. The hatch is to be secured with a roller shutter. The roller shutter is to be as specified at Note 33. 2. **Counter.** ThePharmacy hatch and counter is to provide a (Pharmacy side) internal working surface at approx 900 mm AFFL. The counter specification is to be as detailed at Note 31 (Reception desks). 3. **Partition.** The pharmacy office and store is to be separated by a ¾ height solid brick/block partition. 4. **Desk.** Workstation deskto be provided by the Authority. To be positioned as detailed in drawings detailed at Note 1. 5. **Worktops.** Worktop layout as detailed in dwgs at Note 1. To be mounted at approx 900mm AFFL. Construction as detailed at medical worktops specification as at Note 14. 6. **Cabinetry and shelving.** Medical cabinetry and shelving layout as detailed drawings detailed at Note 1. Construction as detailed at Note 14. 7. **Windows.** All pharmacy windows are to be fitted with security bars. | - 2 x DSO switched for workstation. | 1. **Illumination** - 350 lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. |  |
|  | Pharmacy (Store) | 45 | 1. Located near consulting suites. 2. Secure dispensing hatch to open out onto the corridor. 3. 1 x Workstation | 4 x Comms outlets, RJ45 outputs.  1 x telephone socket outlet. | 1. **Windows.** All pharmacy windows are to be fitted with security bars. 2. **Controlled drugs (CD) cupboard.** To be provided and fixed by the contractor.    1. Constructed to BS 2881 standard. Cabinet to be lockable – lock to BS3621 anti pick and drill, key retaining six pin cylinder lock, to be supplied with 2 working keys and a key identity card.    2. Approx size H 850 x W 1000 x D 300mm.    3. Cabinet to be secured to the building fabric, with tear off strength of 80kg.    4. Mounted with base at 1.2m AFFL.    5. **CD Cupboard Alarm.** Warning light and audible alarm sounder is to be installed in corridor outside pharmacy. CD cupboard alarm are to be linked to the reception desk and nurses station, with light and audible alarm sounder at each location. 3. **Pharmacy Fridges x** 2 Qty. To be provided by the Authority. Size 2010 mm (H) x 1340 mm (W) x 810 mm (D) 4. **Pharmacy Shelving.** Layout and specificationas per drawings detailed at Note 1 and specification detailed at Note 14. 5. **Flammable Goods Cupboard.** To be provided by the contractor. Ventilated metal cupboard, suitably labelled, for storage of daily use quantities of flammable material. Size 600 mm L x 300 mm D x 800 mm H, c/w approx 3 internal adjustable shelves, steel cabinet, lock fitted (with 2 no. keys), fire resistant for 1 hour. To be located /secured above the worktop area. 6. **Worktops.** Worktop layout as detailed in dwgs at Note 1. To be mounted at approx 900mm AFFL. Construction as detailed at Note 14. 7. **Cabinetry and shelving.** Medical cabinetry as per drawings detailed at Note 1 and specification detailed at Note 14. Construction as detailed at Note 14. 8. **Windows.** All pharmacy windows are to be fitted with security bars. | - 2 x DSO for workstation.- 1 x DSO every 2 m of work top.  - 2 x DSO located within Nurse station. | 1. **Illumination:** 200 Lux 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** Filtered mechanical extraction. As per Note 26. |  |
|  | Private room (Pharmacy Consulting Room) | 4.41 | 1. Door to open on to main waiting area and pharmacy. |  | 1. **Layout.** To contain seating and table as detailed in drawings at Note 1, room comprising of the following: 2. 2 x plastic washable chairs – to be provided by the Authority. 3. 1 x round solid surface table – to be provided by the Authority. | 1. 1 x DSO. | 1. **Illumination:** 300 Lux 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** As per Note 26. |  |
|  | Records Admin room and storage | 25 | 1. Reception desk door is to be located within this room. 2. Records store door is to be located within this room. 3. Door is to be located in the records admin room. | 1. 24 x Comms outlets, RJ45 outputs. 2. 6 x telephone socket outlet | **Admin Office**   1. **4 x White boards.** To be located on the wall opposite to windows: 2. **Size.**  Width 900 x height 1200 mm 3. **Material.** Aluminium frame, dry wipe surface 4. **Height.** Bottom of the notice board shall be 1 m above finished floor level. 5. **Misc.** To include pen tray. 6. **6 x Office desks.** Desks to be provided by the Authority. Desk location as per drawings detailed at Note 1.   **Record store**   1. **4 x Secure documents cabinet. –** FMed4Filing cabinets to be provided by Authority. **Dimensions:** Width 470 mm, Depth 620 mm, Height 1320 mm. | - 12 x DSO switched for workstation. | 1. **Illumination:** 350 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** As per Note 26. |  |
|  | Cleaners Rooms | 6  (Each Room) | 1. To be located in the dental and medical centre areas. |  | 1. **Water supply.** Hot and cold water supply for sink as per drawings detailed at Note 1. 2. **Cleaners sink.** Cleaners sink, stainless steel, in accordance with HBN 00-10 Part C. 3. Hot and cold water supply. 4. **Worktop.** Specification as per general worktop details at Note 16. 5. Layout as detailed at dwgs detailed in Note 1. 6. Worktop to be mounted at approx 900mm AFFL. 7. General worktop as detailed at Note 16. 8. Worktop to incorporate cleaners sink as detailed above. 9. **Cabinetry.** Side units comprising of to be located as per drawings detailed at Note 1, comprising of the following: 10. Construction standard as details at Note 16. 11. Sink unit may be incorporated in to worktop and units, including cupboard space below. 12. Drawer unit with four drawers. 13. Storage cupboard with adjustable shelf. | - 1 x FCU. | 1. Room is to be ventilated. 2. **Illumination:** 100 Lux. 3. **Floor finish.** As per Note 10. 4. **Walls finish.** Walls are to be plaster with a paint finish. As per Note 4. 5. **Ceiling finish.** Plasterboard with a white paint finish. As per Note 11. 6. **Ventilation.** Mechanical ventilation. As per Note 26. 7. **Lighting.** Lighting is to be non-decorative fluorescents. 8. **FCU.** FCU is for extract fan. |  |
|  | Lobby | 47.24 | 1. lobby open to skylight. |  | 1. **Signage.** Building layout / directory sign. Direction signs at all change of directions detail which rooms the corridor leads to. | - 1 x DSO. | 1. **Illumination:** 150 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** As per Note 26. |  |
|  | Corridors | 151.47 |  |  | 1. **Doors.** Doors to be as detailed at Note 9. 2. **Electro-Magnetic Door Release.** Electro-Magnetic Door Release units are to be installed on all internal corridor doors as detailed at Note 9 and 20. 3. **Edge and Corner protection.** Corridors are to have corner protection to prevent trolleys damaging walls. 4. **Signs.** Direction signs at all change of directions, detailing which rooms the corridor leads too. | - 1 x DSO to every 37.0 m2 of floor space, or to every 12 m run of corridor. | 1. All Corridors are to have a minimum unobstructed width of 2.2 m. 2. **Illumination:** 150 Lux for corridors. 3. **Floor finish.** As per Note 10. 4. **Walls finish.** As per Note 4. 5. **Ceiling finish.** As per Note 11. 6. **Ventilation.** As per Note 26. |  |
|  | Plant room | Subject to Detailed Design | 1. Located with external access. |  | 1. The room is to hold all water supply inlets and meters; hot water infrastructure and incoming power distribution unit (to be determined during the detailed design). | - To be determined during the detailed design. | 1. To be determined during the detailed design. |  |
|  | Linen Store | 7.74 | 1. Entrance to open out on to lobby. |  | 1. **Shelving.** Shelving to be sized so 1.5 m width is available for access and egress into the room. 2. Capacity of 250 kg/m2. 3. Maximum top shelf height of 1.8 m. 4. 6 racks per shelving unit with adjustable sizing mechanism. 5. All racks are to be slatted to help air flow. 6. The shelving shall be constructed from metal. |  | 1. **Illumination:** 100 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** Walls are to be painted plaster. As per Note 4. 4. **Ceiling finish.** Plasterboard with painted. As per Note 11. 5. **Ventilation.** As per Note 26. 6. **Lighting.** Lighting is to be non-decorative fluorescents. |  |
|  | Consulting Suites (x 3 at approx 30 m2 each) | 87.17 | 1. Located near the reception. 2. Located near the dispensary. 3. 1 x Workstation. | 1. 4 x Comms outlets, RJ45 outputs.   1 x telephone socket outlet | 1. **Layout.** Layout as detailed at drawings detailed in Note 1. 2. **Doors.** Sound deadened doors to 55dB to be fitted. 3. **WHB Clinical Small.** As specified at Note 17 (b). 4. **WHB Clinical Surgeons.** As specified at Note 17 (c). 5. **Examination Couch** – Item to be provided by the Authority. To be located above examination couch. 6. **Auroscope Opthalmoscope**. Item to be provided by Authority. Contractor to install, located near to examination couch, requires 1 x 230V socket outlet. 7. **Wall Mounted Examination Light**. Item to be provided by the Authority. Contractor to install, located above examination couch, requires 1 x 230V socket outlet. 8. **Curtain Rail.** Positioned as shown in drawings detailed at Note 1, between the Examination couch and desk. As specified at Note 12. 9. **1 x Office desk.** To be provided by Authority. Desk location as per drawings detailed at Note 1. | - 2 x DSO for workstation  - 1 x DSO every 3 m run of wall. | 1. **Illumination:** Room is 300 Lux. 2. Supplementary lighting of a specialised nature as required. Privacy light to door. 3. **Floor finish.** As per Note 10. 4. **Walls finish.** As per Note 4. 5. **Ceiling finish.** As per Note 11. 6. **Ventilation.** Room is to be air conditioned as per HTM 03-01. As per Note 26. |  |
|  | Nurses Station | **32 (Includes Store approx 5 m2)** | 1. Sited for access and control of ward. 2. To be sited for access of nurses station store. | 1. 4 x Comms outlets, RJ45 outputs.   1 x telephone socket outlet | 1. **Hatch.**  There is to be a hatch which looks out to the ward corridor with as per drawings detailed at Note 1. 2. **Level counter on the external side of hatch.** Privacy requirement so that non-entitled personnel (visitors and patients) can not overlook computer screens. 3. **1 x Nurse station desk.** Desk location as per drawings detailed at Note 1. Desk unit specification as per Note 31. Desk unit comprising of the following: 4. Drawer unit, with 3 drawers. 5. Panelling to the rear of the desk, with a fixed top, rail removable central panel and a fixed plinth. 6. All external end, back and infill panels to match cabinet fronts. 7. Access hatch / door – Worktop / desk section that can be opened to allow access on to ward, must be capable of being secured in raised and lowered position. 8. **Patient Call.** Audible and visual patient call indicator (Nurse Call system). 9. **Controlled Drugs Trolley.** Contractor to provide a securing point. 10. **WHB Clinical Small.** As specified at Note 17 (b). 11. **WHB Clinical Surgeons.** As specified at Note 17 (c). 12. **Auroscope Opthalmoscope**. Item to be provided by Authority. Contractor to install, located within Nurse Station area, requires 1 x 230V socket outlet. 13. **General Equipment.** Contractor to provide the following: 14. 2 x Clothes hooks on the back of the door. 15. 1 x Pin boards to be placed on the centre of each wall adjacent to the wall with a door, The notice boards are to be; Width 900 x height 1200 mm, with a blue felt and architrave colour as per door architrave. 16. 1 x white board to be located adjacent to the door, with the following specifications: W 900 x H 1200 mm, aluminium frame, dry wipe surface. To be mounted at 1 m above FFL. To include pen tray.   **Nurses station store.**   1. **Shelving.** The shelving shall be constructed from metal, provide approx 6 adjustable shelf platforms. 2. Shelving to be sized so 1.5 m width is available for access and egress into the room. 3. Capacity of 250 kg/m2. 4. Maximum top shelf height of 1.8 m. | - 2 x DSO for workstation  - 1 x DSO every 3 m run of wall. | 1. **Illumination:** 2. Nurses station: 350 Lux. 3. Nurses store: 100 Lux. 4. **Floor finish.** As per Note 10. 5. **Walls finish.** As per Note 4. 6. **Ceiling finish.** As per Note 11. 7. **Ventilation.** As per Note 26. |  |
|  | Bedding down facility and washrooms | 92 | 1. Sited near the nurses station. | 1. TV (BFBS). 2. Telephone socket. | **Single bed ward**   1. **WHB Clinical Small.** As specified at Note 17 (b). 2. **WHB Clinical Surgeons.** As specified at Note 17 (c). 3. **Room Night light.** 1 x night light. 4. **Bed Lighting.** Bed-head fitting incorporating light c/w dimmer switch and shaver socket (may be incorporated into bed head unit). 5. **Nurse Call system** - linked to Nurse station (may be incorporated into bed head unit). 6. **TV Outlet.** TV/BFBS Aerial Socket. (may be incorporated into bed head unit) 7. **Telephone Outlet.** Tel Socket for phone (may be incorporated into bed head unit). 8. **Room Temperature.** Temperature 22°C.   **Single bed ward En – Suite**   1. 1 x shower. Hot and cold water supply. 2. 1 x WHB, with splash back, mirror, shelf, towel fitting and clothes hook. WHB to have hot, cold and drinking water labelled. 3. 1 x WC including handrails.   **2 bed ward**   1. **WHB Clinical Small.** As specified at Note 17 (b). 2. **WHB Clinical Surgeons.** As specified at Note 17 (c). 3. **Bed Lighting.** Bed-head fitting incorporating light c/w dimmer switch and shaver socket (may be incorporated into bed head unit). 4. **Nurse Call system** - linked to Nurse station (may be incorporated into bed head unit). 5. **TV Outlet.** TV/BFBS Aerial Socket. (may be incorporated into bed head unit) 6. **Telephone Outlet.** Tel Socket for phone (may be incorporated into bed head unit). 7. **Room Temperature.** Temperature 22°C.   **2 bed ward wash room**   1. 1 x shower. Hot and cold water supply. 2. 1 x WHB with splash back, mirror, shelf, towel fitting, soap dispenser and clothes hook. 3. 1 x WC including handrails. 4. 1 x full length bath. Hot and cold water supply.   **Sluice Room (off ward area):**   1. **WHB Clinical Surgeons.** As specified at Note 17 (c). 2. **Dirty Linen.** Provide 1.5 m2 for dirty linen trolley(s). 3. **Sluice Sink.** Stainless steelc/w side drainer unit. Hot and cold water supply, in accordance with HBN 00-10 Part C. 4. **Bed Pan Disposal Unit.** The contractor is to provide a bed pan/ urinal waste macerator unit. Specification as detailed at Note 30 (i). 5. **Door.** Door to be 1.4 m wide to allow access for trolleys. 6. **Wall cupboards.** 2 no. wall cupboards for Urinalysis materials, approx 600 mm L x 600 mm W x 300 mm D. Specification as per Note 14. | - 4 x DSO per bed.  - 2 x FCU per washroom.  -Power supply and external isolator for each air conditioning unit. | **Single bed ward**   1. **Illumination**. 125 Lux at centre tapering off to 30 Lux at bed-head. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** Room is to be air conditioned as per HTM 03-01. As per Note 26.   **Single bed ward En - Suite**   1. **Illumination.** 125Lux’ 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** Mechanical extraction. FCU for wall mounted extractor fan. As per Note 26. 6. **DDA Compliant.** All ablutions are to be compliant with Approved Document (M).   **2 bed ward**   1. **Illumination:** 125 Lux at centre tapering off to 30 Lux at bed-head. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.**  Room is to be air conditioned as per HTM 03-01. As per Note 26.   **2 bed ward wash room**   1. Ablutions to be fitted out in accordance with Approved Doc M. 2. **Illumination.** Room 125 Lux. 3. Supplementary lighting over mirrors for 225 Lux. 4. **Floor finish.** As per Note 10. 5. **Walls finish.** As per Note 4. 6. **Ceiling finish.** As per Note 11. 7. **Ventilation.** Mechanical ventilation is to be used. As per Note 26. 8. **Windows.** High level frosted windows as per Note 7. 9. **DDA Compliant.** All ablutions are to be compliant with Approved Document (M). | 1. Approved Document M, Amdt 2013. 2. CIBSE Guide (B) ventilation. 3. HTM 02-01. 4. HTM 03-01. |
|  | Kitchen | 17 | 1. Located near to the ward. 2. Located with external access. |  | 1. **Layout.** The kitchen shall be in accordance with Drawings detailed at Note 1.The contractor is to supply the following: 2. **Base and Wall units**: comprising of the following: 3. Cupboard space below kitchen sink and double drain board. 4. Drawer unit with four drawers and assorted inserts. 5. Storage cupboard with adjustable shelf. 6. 4 hob Electric cooker to be provide by the contractor, standard as specified in Booklet 3, Part 1, Annex D. 7. All external end, back and infill panels to match cabinet fronts. 8. **Worktops.** 9. In accordance with general worktop specification, see Note 16. 10. Worktop to be mounted at approx 900mm AFFL. 11. **Sink.** Stainless steel kitchen sink, with double drainer board. Hot and cold water supply, drinking water supply (to be labelled). Mono-block mixer tap. Chrome waste outlet. 12. **Splashback.** Tiled splashbacks as specified in Booklet 3, Part 1, Annex C are to be provided above all worktops, and behind the sink and cooker hob to a height of approx 600 mm above the worktop surface. 13. **Wall mounted water boiler.** Located next to the sink in accordance with Bklt 3 Part 1, Annex E. 14. **Fridge freezer.** 595 x 686 x 1990mm fridge freeze to be provided by contractor.Located adjacent to the door in accordance with Bklt 3 Part 1 , Annex D. | - 1 x below counters DSO for the electric cooker.  - Cooker isolation switch.  - 1 x DSO for the fridge freezer.  - 3 x DSO near to the sink.  - 1 x FCU. | 1. **Illumination**: 200 Lux. 2. **FCU.**  FCU for wall mounted extractor fan. 3. **Floor finish.** As per Note 10. 4. **Walls finish.** As per Note 4. 5. **Ceiling finish.** As per Note 11. 6. **Ventilation.** Mechanical extraction. As per Note 26. |  |
|  | Veranda | 18 | 1. located at the end of ward (for patient use). |  | 1. **Walkway.** The covered walk way is to have same finish to the combined mess covering, so that the structure blends into the building. 2. **Roof.** Roof supports are to be constructed of a metal material. Roof is to include all drainage for rain water. 3. **External building lighting**. External lighting shall be wall mounted at a minimum height of 2.2 m around the building and shall be PIR operated. 4. **Entrance.** Ramped approach to entrance hall 2.4m wide. |  | 1. **Illumination:** 100 Lux for entrance and covered areas 2. **Ramped approach.** The ramped approach shall comply with Approved Document (M). |  |
|  | Staff changing rooms | 26 | 1. Located near staff lounge. 2. Estimated 6 to 10 Medical Staff, and 3 to 5 Dental staff. |  | **Each staff changing room**   1. **Lockers.** 3 x Lockers, with capacity as follows: 2. 0.8 m2/per person. 3. Width 0.3 m. 4. **Mirror.** Full length mirror. 5. 1 x Hand drying facility. 6. **Bench.** Bench seating. 7. **Ablutions.** 8. Unisex DDA compliant shower with hot and cold water supply, located within shower cubicle. 9. Toilet with cold water supply and cubicle. 10. Wash hand basin with hot and cold water supply. | - 1 x FCU in each room. | 1. **Illumination:** 175 Lux. 2. FCU for wall mounted extractor fan 3. **Floor finish.** As per Note 10. 4. **Walls finish.** As per Note 4. 5. **Ceiling finish.** As per Note 11. 6. **Ventilation.** Mechanical extraction. As per Note 26. 7. **Windows.** High level frosted windows as per Note 7. |  |
|  | Staff lounges | Approx | 1. Located near staff changing room. | 1. TV (BFBS). | 1. **Layout.** The staff lounges shall be in accordance with drawings detailed at Note 1. 2. **Worktops.** 3. In accordance with general worktop specification, see Note 16. 4. Worktop to be mounted at approx 900mm AFFL. 5. **Sink.** Stainless steel kitchen sink, with double drainer board. Hot and cold water supply, drinking water supply (to be labelled). Mono-block mixer tap. Chrome waste outlet. 6. **Splashback.** Tiled splashbacks as specified in Booklet 3, Part 1, Annex C are to be provided above all worktops, and behind the sink to a height of approx 600 mm above the worktop surface. 7. **Wall mounted water boiler.** Located next to the sink in accordance with Bklt 3 Part 1, Annex E. 8. **TV Outlet.** Terrestrial TV (BFBS)/FM and sockets. 9. **Book Shelves.** 2 x Book shelves on one wall, with the following characteristics: 10. Height: 2 m. 11. Width: 2 m. 12. Depth 300 mm. 13. Material: 18 mm MDF. 14. Colour: should have an ash wood finish. 15. Shelving: 6 adjustable height shelves. 16. **Pharmacy Alarm.** Sounder linked to controlled drugs alarm system from pharmacy. 17. **Domestic Fridge.** To be supplied by contractor, as detailed in Booklet 3, Part 1, Annex D. | - 3 x DSO above side unit.  - 1 x DSO every 3 m run of wall.  - FCU for water boiler.   1. Low level socket outlet for domestic fridge. | 1. **Illumination:** 200 Lux for room. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** As per Note 26. |  |
|  | Storage (cold, dry) | Cold 40  Dry 12 |  |  | **Cold store**   1. **Layout.** Shelving and refrigerator layout as detailed in drawings at Note 1. 2. **Refrigerators.** Refrigerators for storage of drugs and vaccines to be supplied by Authority. Qty 5 to be located in the store; Approx dimensions are H 2010 x W 1340 x D 810 mm. 3. **Shelving.** Shelving is to be provided by the contractor. Concept layout as detailed within the drawings at Note 1, and as follows: 4. Shelving to be sized so 1.5 m width is available for access and egress into the room. 5. Shelving specification as detailed at Note 32.   **Dry Store**   1. **Layout.** As detailed within drawings detailed at Note 1. 2. **Shelving.** Shelving is to be the following: 3. Shelving to be sized so 1.5 m width is available for access and egress into the room. 4. Capacity of 250 kg/m2. 5. Maximum top shelf height of 1.8 m. 6. The shelving shall be constructed from metal. 7. **Medical Gas Cylinders.** There is a requirement to hold small quantities of medical gas cylinders in this store. This room is to conform to the storage requirements detailed in JSP 319, JSP 315 and HTM 2022. | - 1 x DSO every 3 m run of wall. | 1. **Illumination:** 100 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls.**  Walls are to be plaster with a paint finish. As per Note 4. 4. **Lighting.** Lighting is to be non-decorative fluorescents. 5. **Ceiling.** Plasterboard with a white paint finish. As per Note 11. |  |
|  | Dental Back Office | 13 | - Adjacent to the dental reception and waiting area |  | 1. **4 x Secure documents cabinet.** Contractor to provide - units to be suitable for FMed 271 (Document size 200 x 250 x 3mm).Draw filing cabinets specifications are as follows: 2. Dimensions - cabinet Width 470 mm, Depth 620 mm, Height 1320 mm. 3. Metal filling cabinet with powdered coated hard wearings finish. 4. 40 kg drawer load capacity. 5. Anti tilt mechanism fitted. | - 2 x DSO. | 1. **Illumination:** 350 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** As per Note 26. |  |
|  | Dental area Waiting | 10 | - Located in view of the reception desk hatch. | 1 x TV/BFBS outlet. | 1. **Seating.** 5 x plastic seats with metal legs for waiting patients each seat is to have 1.3 m2. Seating area is to have room for a wheel chair. 2. **Signs.** Direction signs at all change of directions, detailing which rooms the corridor leads to. | - 1 x DSO. | 1. **Illumination:** 200 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** As per Note 26. |  |
|  | Dental Office | 20 | - Sited to facilitate administrative of the dental centre.  - 1 x Workstation | - 4 x Comms outlets, RJ45 outputs.  - 2 x telephone socket outlet | 1. **4 x Notice boards.** To be located on the wall opposite to windows: 2. **Size.**  Width 900 x height 1200 mm. 3. **Material.** Aluminium frame, dry wipe surface. 4. **Height.** Bottom of the notice board shall be 1 m above finished floor level. 5. **Misc.** To include pen tray. 6. **2 x Office desks.** To be provided by the Authority. Desk location as per Drawings detailed at Note 1. | - 1 x DSO every 3 m of horizontal run of wall.  - 4 x DSO for workstation | 1. **Illumination:** 400 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** As per Note 26. |  |
|  | Dental Laboratory | 18 | - Located adjacent to Dental Centre areas in order to supply dental compressed air services. |  | 1. **Worktops.** Layout as per drawings detailed at Note 1. 2. Worktops to be stainless steel (316 grade), with integrated working sink, as detailed below. 3. **Dental WHB.** See Note 17 (a). Hot and cold water. 4. **Working Sink.** 1 x working sink with the following specifications: 5. Stainless steel construction, deep enough to prevent splashing when in use. The sink must not have an overflow. 6. Sink to have hot and cold water supply. Self-mixing tap unit, elbow operated taps. 7. Splashback. Tiled splashback to 600mm above worktop level. As detailed in Booklet 3, Part 1, Annex C. 8. The U bend / P trap must not be directly below the plughole. 9. Plaster trap is to be fitted. 10. Sink to have paper towel dispenser fitted in adjacent area. 11. Sink to have soap dispensers. 12. **Easicut Trimmer.** To be provided by Authority. To be located adjacent to sink. Contractor to provide for following installation work:     1. Mains cold water supply c/w service valve, above worktop level – 15mm cold water supply c/w ball valve and handle.     2. Drainage pipe to run off in to sink. 13. **Safelight.** Supplied and fitted by contractor. For XRay film processing, to be switched from room entrance. 14. **Periomat Plus.** To be provided by Authority. Requires 1 x 230V socket outlet (located above worktop). 15. **Chemical storage cabinet.** To be provided by contractor. Ventilated metal cupboard, suitably labelled, for storage of daily use quantities of flammable material. Steel construction, lockable, approx 600 mm L x 300 mm D x 600 mm H. To be 1 hour fire resistant. 16. **Dental Compressed Air.** 1 x Dental compressed air supply, 15 mm dia copper pipe, c/w isolation valve above worktop. | - 1 x DSO every 2m run of worktop.  - 1 x DSO next to the door. | 1. **Illumination:**  500 Lux. 2. Supplementary extra low voltage lighting per working station. 3. Colour corrected (daylight) lighting required. 4. **Floor finish.** As per Note 10. 5. **Walls finish.** As per Note 4. 6. **Ceiling finish.** As per Note 11. 7. **Ventilation.** Mechanical extraction with air filter fitted as per HTM 03-01 and Note 26. 8. **Windows.** High level frosted windows as per Note 7. 9. Layout and facilities to comply with H&S regulations. 10. Compressed air and gases supplied as required in HTMs. 11. **Medical Gas.**  Dental compressed air, as per Note 28. |  |
|  | Dental Area Reception | 7.44 | 1. Reception space is to overlook waiting area. 2. Door is to be located in to back office. | 1. 4 x Comms outlets, RJ45 outputs. 2. 1 x telephone socket outlet | 1. **Reception desk**. Reception desk and counter is to accommodate both standing and wheelchair bound visitors such that at least one section of the counter with working surface no higher than 750 mm and a knee recess no less than 700 mm above floor level. 2. Reception desk specification as detailed at Note 31, comprising of the following components:   2.1  Drawer Unit, with 3 drawers, at least 1 x lockable drawer.  2.2. Panelling to the front of the desk, with a fixed top, and a fixed plinth.  2.3. All external end, back and infill panels to match throughout.  2.4. Level counter on the external side of hatch.  2.5.Privacy requirement so that non-entitled personnel can not overlook computer screens.   1. **Roller Shutter.**  The reception desk area is to be capable of being secured by a roller shutter as per drawings detailed at Note 1. The roller shutter is to be to the specification detailed at Note 33. 2. **Intercom.** Intercom panel to be located adjacent to reception desk. | 1. 2 x DSO for workstation 2. 2 x DSO for general use. | 1. **Illumination:** 350 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** As per Note 26. |  |
|  | Dental Surgery | 23 |  | - 4 x Comms outlets, RJ45 outputs.  1 x telephone socket outlet | 1. **Layout.** The dental surgery layout shall be in accordance with drawings detailed at Note 1, and concept details at Appendix 1. The dental surgery minimum length is 4.8 m. The maximum width is 3.5 m. 2. **Dental Operating Unit**. Comprising of dental chair and nurse station (rear delivery cabinetry), supplied and installed by the Authority. The contractor is to provide and install the following: 3. Chair Services (maximum 150 mm penetration through finished flooring material, at footbox. Footbox services to include services detailed below: 4. Conduit 25 mm: link between dental vacuum pump, chair footbox and nurse station c/w swept bends – for control cable. 5. Conduit 50 mm: link between chair footbox and IT desk. 6. Water: 15 mm copper cold water supply, 60mm upstand c/w shut-off valve in accessible location. 7. Dental Compressed Air: 15 mm copper pipe air supply, 60 mm upstand c/w shut-off valve in accessible location. 8. Suction: 40mm solvent welded pipe to dental vacuum pump, 100mm upstand. 9. Service hole penetration through the finished floor surface must be no more than 150mm in diameter. 10. **X-Ray (Arm) unit** – Xray arm to be supplied and installed by Authority. Works the contractor is to provide and install the following (Locations. As per drawing.) 11. Wall plate: WBP Ply 600mm x 300 mm x 19 mm secured to wall to withstand 147kg tear off force at wach anchor point. Height. Bottom of wall plate shall be 1220 mm AFFL 12. 1 x 230V single socket outlet adjacent to Wall Plate. 13. Conduit: 20mm conduit, buried in wall, link between wall plate and XRay timer unit. 14. **X-Ray timer**: To be provided and installed by Authority. Works to be provided and installed by the contractor: 15. Conduit link: as detailed at Para 3.3. 16. Key operated isolator to x-ray machine. 17. Red warning lights and explanatory signs, or illuminated warning signs displaying the radiation warning symbol and wording "X-rays – Do Not Enter" outside the entrances to surgery, which operate automatically when power is applied to the X-ray equipment. The X-ray machine control box should be sited in the surgery outside the 2.0m controlled area, away from all potential directions of the primary beam. This is normally at the foot end of the patient’s chair near the door. 18. **Dental surgery cabinetry:** To be provided and installed by the contractor. Construction as specified at Note 15. Layout and makeup as detailed on drawings at Note 1 and detail provided at Appendix 1 (includes details of units to left and right of dental chair, and rear cabinetry at head of the chair): 19. Sink unit with cupboard space below. 20. Drawer unit with four drawers. 21. Storage cupboard with adjustable shelves. 22. Solid surface worktop, 20 mm thick with integral upstand. 23. Solid surface dental WHB (as detailed at Note 17 (a), integral to the worktop c/w Mono block mixer taps, and flush grated chrome waste outlet. 24. All external end, back and infill panels to match cabinet fronts. 25. **Nurse Station (Rear delivery components)**. Rear delivery dental components provided by the Authority. Works to be provided by the contractor: 26. Dental Compressed Air: 15 mm copper pipe air supply, 60 mm upstand c/w shut-off valve in accessible location. 27. Suction: 40mm solvent welded pipe to dental vacuum pump, 100mm upstand. 28. Conduit 25 mm: link between dental vacuum pump, chair footbox and nurse station c/w swept bends – for control cable. 29. Double door central storage cupboard with fixed panel to accommodate suction hose outlets. 30. Solid surface worktop, 20 mm thick with integral upstand. The two sides of the worktop are able to slide out independently to bring the work surface close to the nurse and dentist. To the rear is a raised shelf to accommodate an amalgam mixer. 31. All external end, back and infill panels to match cabinet fronts. 32. **Pass through wall unit.** Not required by the Authority. 33. **Lead Lining.** Cost options for surface finished are to be provided in Booklet 5. See Note 5. 34. **Desk unit.** Fitted desk unit**,** mounted atapprox 750mm AFFL, unit comprising of the following: 35. Drawer unit, with 3 drawers. 36. Panelling to the rear of the desk, with a fixed top, rail removable central panel and a fixed plinth. 37. Solid surface worktop, 20 mm thick with integral upstand. 38. Cable tidy grommet to rear corner of desk to route monitor cables. 39. All external end, back and infill panels to match cabinet fronts. 40. 50mm IT conduit c/w swept bends and draw wire, to dental chair (footbox area) services penetration as detailed in dwgs at Note 1. 41. **Wall cabinets.** Layout as detailed in Appendix 1. To include: 42. Dispenser unit, wall mounted, incorporating: dispensers for three sizes of gloves, masks, centre feed towels and cups. 43. Storage unit with tambour roller shutter door, wall mounted, and incorporating tilt bin storage for high turnover consumables. 44. All external end, back and infill panels to match cabinet fronts. 45. **Soap Dispenser**. To be located above all sinks. 46. **Paper Towel Dispenser.** To be located adjacent to all sinks. 47. **Doors.** Standard dental specification, in accordance with HTM and HBN. There is no X-Ray protection requirement for the surgery doors. Electro-magnetic door catches to be fitted as detailed at Notes 9 and 20. 48. **Flooring.** Flooring material to be laid and sealed as specified in accordance with HBN 00-10 Part A, and Note 10. Maximum services penetration through flooring material (at dental chair footbox) is to be 150 mm in dia. 49. **Electrical Isolation.** A key operated isolation switch and emergency stop button for all surgery electrical equipment is to be situated by the exit door, outside of the controlled radiation area and potential X-ray beam directions. The turning off of the key switch and / or operation of the emergency button isolators are to isolate all dental services and electrical supplies to the surgery (less ceiling lighting). | - DSOs as drawings at detailed at Note 1).  - 2 x DSO for IT workstation  -1 x IP66 DSO to be installed in the dental chair footbox area  -1 x key operated surgery isolation switch  -1 x emergency stop botton  -6 x DSO located as detailed at Appendix 1 (in addition to workstation sockets)  - 1 x SSO for X-Ray timer c/w isolator  - 1 x SSO for X-Ray arm | 1. **Illumination:**  1000 Lux at head of chair. Colour corrected (daylight) lighting required. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** Mechanical ventilation is to be used. As per Note 26. 6. **Medical Gas.**  Dental compressed air and dental vacuum, as per Note 28 and 29 respectively. 7. **X-Ray.** X-Ray machine is to be digital. 8. **Vacuum waste.** The contractor is to design all specialist requirements of the vacuum system, such as pipework and waste separation and disposal. 9. **Windows.** Windows within the dental surgery are to be high level units, mounted a minimum of 1.8m AFFL. | Defence scientific and technical laboratory guidance |
|  | Lobby, set up and scrub-in | 11.47 | 1. Located adjacent to dental surgery. 2. Set-up with pass through cupboards from CSSD clean. |  | **Set up**   1. **Side units.** Side units comprising of the following: 2. Dental standard sink as detailed at Note 17 (a). 3. Sink unit with cupboard space below. 4. Drawer unit with four drawers and assorted inserts. 5. Storage cupboard with adjustable shelf. 6. Dental specification worktop, solid surface, 20mm thick. Mounted at approx 900mm AFFL. 7. All external end, back and infill panels to match cabinet fronts. 8. **Dispenser unit.** Dispenser unit, wall mounted, incorporating: dispensers for three sizes of gloves, masks, centre feed towels and cups. 9. **Pass through cabinet.** Not required by the Authority.   **Scrub up**   1. **Sink.** Surgeons scrub sink approx 800 mm long in accordance with HBN 00-10 Part C Sanitary ware - containing the following: 2. Self-mixing elbow operated tap. Hot and cold water supply. Wall mounted c/w splashback. 3. Sink is to have paper towel dispenser. 4. Sink is to have soap dispensers. 5. **Dispenser unit.** Dispenser unit, wall mounted, incorporating: dispensers for three sizes of gloves, masks and centre feed towels. |  | 1. **Illumination:**  300 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** Mechanical extraction with air filter fitted as per HTM 03-01. As per Note 26. |  |
|  | Central Sterilisation Storage Department (CSSD) | 30 | 1. Located adjacent to dental surgery. 2. Open walkway between CSSD Dirty and Clean area. |  | **CSSD - Dirty Area**   1. **Layout.** The dental room equipment and layout shall be in accordance with drawings detailed at Note 1 and concept cabinetry as detailed at Appendix 2. 2. **Magnifying Inspection Lamp**. Wall mounted magnifying inspection lamp, with the following specifications: 3. 800 to 1100 mm spring balanced arm providing ease of movement. 4. **22W circular fluorescent lamp or LED equivalent providing high level of illumination.** 5. **Tube or LED protection.** 6. Painted light grey. 7. Magnification 1.75x to 2.25x. 8. 1 x FCU located above worktop, adjacent to fitting. 9. **Washer Disinfectors x 2.** To be supplied by Authority, to be located under worktop. See Note 30 for unit specifications. Contractor to provide following services to each unit: 10. Cold Water feed: 15mm copper pipe, c/w service valves, washing machine connection point, supplied from RO machine. 11. 1 x DSO – IP66, located below worktop, with high level isolation switch. 12. Drainage: standard 32 -40mm ‘washing machine’ style drainage pipework. 13. **Ultrasonic Bath x 2.** To be provided by Authority. 1 x DSO located above the worktop, 1 x DSO located at low level for use with shelf mounted ultrasonic bath unit. Appliance information detailed at Note 30. 14. **Dental Cabinetry.** 15. Lockable cupboard space below sinks. 16. Tray storage unit, single column with stainless steel rack supports, to hold twelve trays. 17. Storage cupboard with adjustable shelf. 18. Solid surface worktop, 20 mm thick with integral upstand. 19. Space below worktop for waste bin. 20. Space below worktop for washer disinfector. 21. **Sinks.** 2 x Sink units - solid surface scrub and rinse sinks integral to the worktop. Specification as dental sink details as per Note 17. 22. Pillar mixer tap (Markwik 21 or similarly approved). 23. Chrome waste outlet. 24. **Wall cabinetry**. Comprising of: 25. Tray storage unit, wall mounted, single column with stainless steel rack supports to hold sixteen trays. 26. Storage cupboard, wall mounted, with adjustable shelf. 27. Dispenser unit, wall mounted, incorporating: dispensers for two sizes of gloves and centre feed towels. 28. Slopping top to wall units. 29. All external end, back and infill panels to match cabinet fronts. 30. **WHB Clinical Small.** Positioned as drawings detailed in Note 1.As specified at Note 17 (b).   **CSSD - Clean Area**   1. **Layout.** The dental room equipment and layout shall be in accordance with drawing detailed at Note 1 and Appendix 2. 2. **Magnifying Inspection Lamp.** Wall mounted magnifying inspection lamp, with the following specifications: 3. 1100 mm spring balanced arm providing ease of movement. 4. 22 W circular fluorescent lamp providing high level of illumination. 5. tube protection. 6. painted light grey. 7. Magnification: 1.75x to 2.25x. 8. 1 x FCU located above worktop, adjacent to fitting. 9. **Reverse Osmosis Water Machine.** Approx size - H 834 x W 794 x D 470 mm, to be under worktop within cabinet, located as per drawing at Note 1. RO unit as detailed at Note 30 (g). 10. Cold Water feed: 15mm copper pipe, c/w service valves, washing machine connection point. 11. 1 x DSO – IP66, located below worktop. With high level isolation switch. 12. Drainage: standard 32 -40mm ‘washing machine’ drainage pipework. 13. RO unit to supply – Autoclave units and Washer disinfectors. 14. **Autoclave x 3.** To be supplied by Authority. 1 x located below worktop, 2 x located above worktop. Contractor to provide following services: 15. 1 x DSO IP66 required for each unit. 16. Cold Water feed: 15mm copper pipe, c/w service valves, washing machine connection point, may be supplied from RO machine – this is to be confirmed at detailed design phase. 17. **Thermo Pouch Seal.** To be provided by the Authority. Contractor to provide the following services: 18. 1 x DSO (above worktop surface). 19. **Perimeter Benching.** Comprising of: 20. Sink unit with lockable cupboard space below. 21. Storage cupboard with adjustable shelf. 22. Double cupboard to house RO water machine. 23. Autoclave housing with pull out shelf and drawer below. 24. Space below worktop for waste bin. 25. **Handpiece Oiler.** To be provided by the Authority. Contractor to provide the following services: 26. 1 x DSO (located above worktop surface). 27. Compressed air line from dental compressor, 15mm copper pipe c/w ball-o-fix valve. Terminated above worktop. 28. **Solid surface worktop:** 20 mm thick with integral upstand wall cabinetry comprising of: 29. Storage cupboard, wall mounted, with adjustable shelf. 30. Slopping top to wall units. 31. Pass through unit with four columns. Doors to LDU side with viewing window, open to store room side. 32. All external end, back and infill panels to match cabinet fronts. 33. **WHB Clinical Small.** As specified at Note 17 (b). | 1. 1 x FCU per room for ventilation fan. 2. DSO provided as detailed in fixtures and fittings. | 1. **Illumination:** 125 Lux. 2. Supplementary lighting over mirrors for 225 Lux. 3. **FCU.** FCU for wall mounted extractor fan. 4. **Floor finish.** As per Note 10. 5. **Walls finish.** As per Note 4. 6. **Ceiling finish.** As per Note 11. 7. **Ventilation.** Mechanical extraction. As per Note 26. 8. **Windows.** High level frosted windows as per Note 7. |  |
|  | Dental Compressor Room | 6.84 | 1. Located near the dental surgery. 2. located with external access |  | 1. **Dental Air Compressor.**  Standby and duty unit required. To be supplied and installed by the Contractor - see Note21. 2. **Pipework.** All pipework for the dental compressor from the dental surgery to the compressor room is to be designed, installed and commissioned by the contractor. Manual changeover from standby to duty machine. | 1. Power supply to dental compressor | 1. **Illumination:** Room is 100 Lux. Lights are to be non-decorative. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** Walls are to be painted brick / block. As per Note 4. 4. **Ceiling finish.** Plaster board and paint finish. As per Note 11. 5. **Ventilation.** Room is to be well ventilated. As per Note 26. 6. **Pipework.** All pipework designs are to be in accordance with HBN 02-01, HTM 2022 Sup 1 and JSP 375. 7. **Sound proofing.** Contractor to consider noise proofing if required. 8. **Fire Protection.** The room is to be compartmentalised from the rest of the building and have a fire rating of 60 minutes. | HTM 2022 Sup 1 |
|  | Dental Vacuum Room | To be sized by contractor | 1. Located within 10m of Dental surgery. | Nil | 1. **Dental Suction Pump.** Provided and installed by Authority (VSA 300S Durr Dental Suction Pump). Standby and duty units to be provided. Contractor to provide following works: 2. 1 x DSO to be located at rear of each pump. 3. Manual changeover valve to be installed in pipework, within the dental vacuum room. 4. Manual changeover switch for control cable to be installed within dental vacuum room. 5. Conduit 25 mm: link between dental vacuum pump, dental surgery rear cabinet (nurse station) and chair footbox c/w swept bends – for control cable. 6. Suction: 40mm solvent welded pipe to dental vacuum pump, 150mm upstand. 7. Vent Pipe: 38 mm dia from pump to atmosphere, terminate at high level, pipe cap fitted. | - 2 x DSO | 1. **Illumination:** Room is 100 Lux. Lights are to be non-decorative. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** Walls are to be painted brick / block. 4. **Ceiling finish.** Plaster board and paint finish. 5. **Ventilation.** Room is to be well ventilated to external location. As per Note 26. 6. **Pipework.** All pipework design and installation to be in accordance with HTM 02-01, HTM 2022 Sup 1 and JSP 375. |  |
|  | Medical Treatment Room | 54.81 | 1. Located next to the emergency treatment room, with door access.   - 1 x Workstation | - 4 x Comms outlets, RJ45 outputs.  1 x telephone socket outlet | 1. **WHB Clinical Surgeons.** As specified at Note 17 (c). 2. **WHB Clinical Small.** As specified at Note 17 (b). 3. **Cabinetry.** Units to be provided as per drawing layouts detailed at Note 1. As per medical cabinets detailed at Note14. 4. **Auroscope Opthalmoscope.** To be provided by the Authority. Contractor to provide 1 x 230V socket outlet, located adjacent to the Examination Couch. 5. **Examination Lamp.** 1 x Ceiling mounted adjustable lamp. To the following specifications: 6. **Illumination.** High intensity illumination capable of producing 40,000 Lux at 0.5 m. 7. **Length.** Adjustable arm with a length of 3 m. 8. **Curtain Rails.** Room to be centrally partitioned by curtain rail, as specified in Note 12. Curtain to be provided by the Authority.   **Sluice Room (off Medical Treatment Rm):**   1. **Sluice Sink.** As specified in HBN and Note 17. 2. **WHB Clinical Surgeons.** As specified at Note 17 (c). 3. **Dirty Linen Bay.** Area includes dirty linen bay 1.5 m2. 4. **Door.** Door to be 0.9 m wide to allow for trolleys. 5. **Wall cabinets.** Specification as detailed in Note 14, for Urinalysis materials. 6. **Worktop.** Medical worktop layout as per drawings detailed at Note 1. Specification as per Note 14. | - 1 x DSO every 3 m run of side unit, located above working bench.  - 1 x DSO of 3 m run of wall.  - 2 x DSO for Workstation | 1. **Illumination:** Room is 350 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** Room is to be air conditioned as per HTM 03-01. As per Note 26. |  |
|  | Exercising Troops Medical Office | 34.33 | - Located opposite Medical Treatment Room  - 4 x Workstations | - 16 x Comms outlets, RJ45 outputs.  - 4 x telephone socket outlet | 1. **4 x Notice boards.** To be located on the wall opposite to windows: 2. **Size.**  Width 900 x height 1200 mm 3. **Material.** Aluminium frame, dry wipe surface 4. **Height.** Bottom of the notice board shall be 1 m above finished floor level. 5. **Misc.** To include pen tray. 6. **4 x Office desks.** To be provided by the Authority. Desk location as per Drawings detailed at Note 1. | 1. 1 x DSO every 6 m run of wall. 2. 8 x DSO for workstations | 1. **Illumination:** 350 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** As per Note 26. |  |
|  | Consultant suite (Exercising Troops) | 24 | -Located close to the Exercising Troops Medical Office  -3 x workstations | - 12 x Comms outlets, RJ45 outputs.  - 3 x telephone socket outlet | 1. **Doors.**  Sound deadened doors to 55dB to be fitted. 2. **WHB Clinical Small.** As specified at Note 17 (b). 3. **WHB Clinical Surgeons.** As specified at Note 17 (c). 4. **Examination Couch** – Item to be provided by the Authority. 5. **Auroscope Opthalmoscope**. Item to be provided by Authority. Contractor to install, located near to examination couch, requires 1 x 230V socket outlet. 6. **Wall Mounted Examination Light**. Item to be provided by the Authority. Contractor to install, located above examination couch, requires 1 x 230V socket outlet. 7. **Curtain Rail.** As specified in Note 12. Curtain to be provided by the Authority. To be positioned between the Examination couch and desk as shown in drawings detailed at Note 1. 8. **1 x Office desk -** To be provided by Authority. Desk location as per drawings detailed at Note 1. | - 6 x DSO for workstation  - 1 x DSO every 3 m run of wall. | 1. **Illumination:** Room is 300 Lux. 2. Supplementary lighting of a specialised nature as required. Privacy light to door. 3. **Floor finish.** As per Note 10. 4. **Walls finish.** As per Note 4. 5. **Ceiling finish.** As per Note 11. 6. **Ventilation.** Room is to be air conditioned as per HTM 03-01. As per Note 26. |  |
|  | Emergency treatment room | 26 | - To be easily accessible from entrance for stretchers.  - Access door to medical treatment room.  - 1 x Workstation | - 4 x Comms outlets, RJ45 outputs.  - 1 x telephone socket outlet | 1. **Treatment Couch x 2**. To be provided by Authority. To be positioned with all round access. 2. **Examination Lamps x 2.** 2 x Ceiling mounted adjustable examination lamps, to be mounted above each treatment couches, to the following specifications: 3. **Illumination.** High intensity illumination capable of producing 40,000 Lux at 0.5 m. 4. **Length.** Adjustable arm with a length of 3 m. 5. **Curtain Rail.** As specified in 12. Curtain to be provided by the Authority. To be positioned between treatment areas as detailed in drawings at Note 1. 6. **WHB Clinical Small.** As specified at Note 17 (b). 7. **WHB Clinical Surgeons.** As specified at Note 17 (c). 8. **Cabinetry.** As detailed in drawings at Note 1. As per specification details as at Note 14. 9. **Counter Top Fridge**. To be provided by the Authority. Approximate dims of H 800 x W 600 x D 600 mm. | - 2 x DSO for workstation  - 6 x DSO spread around the room.  - 1 x DSO for supplementary lighting at worktop position. | 1. **Illumination:** Room 350 Lux 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** Room is to be air conditioned as per HTM 03-01. As per Note 26. |  |
|  | IT/ Server room/office | 15 | - Located near the centre of the building to reduce cable runs. | - 4 x Comms outlets, RJ45 outputs.  - 1 x telephone socket outlet | **IT Server Room**   1. The IT room is to accommodate all Comms, BFBS and Data requirements for the building. 2. Ducting into room from external comms pit and duct grid. 3. Temperature. 25°C.   **IT/Server Office**   1. **2 x Notice boards.** 2 x notice boards to be provided by the contractor. To be located on the wall opposite to windows: 2. **Size.**  Width 900 x height 1200 mm. 3. **Material.** Aluminium frame, dry wipe surface. 4. **Height.** Bottom of the notice board shall be 1 m above finished floor level. 5. **Misc.** To include pen tray. 6. **1 x Office desks.** To be provide by the Authority. | **Server Room**  - 4 x DSO.  - 2 x FCU.  - 1 x Rotary switch.  **IT Office**  - 2 x DSO for workstation | 1. **Illumination:** 125 Lux. 2. FCU and rotary switch are for the server units. 3. **Floor finish.** As per Note 10. 4. **Walls finish.** As per Note 4. 5. **Ceiling finish.** As per Note 11. 6. **Ventilation.** As per Note 26 for the office. Server room shall have air cooling capability. 7. **Lighting.** Lighting is to be non-decorative fluorescents in IT/Server Room. 8. **Windows.** No windows to be installed in the server room. |  |
|  | EHT Lab / Research room | 25 | - 1 x Workstation  2 x Workstations | - 8 x Comms outlets, RJ45 outputs.  - 2 x telephone socket outlet | 1. **WHB Clinical Small.** As specified at Note 17 (b). 2. **Pin boards.**  2 x Pin boards to be provided by the contractor. Placed on the centre of each wall adjacent to the wall with a door.    1. **Size.**  Width 900 x height 1200 mm.    2. **Material.** Aluminium frame, green felt surface.    3. **Height.** Bottom of the notice board shall be 1 m above finished floor level.    4. **Misc.** To include pen tray. 3. **White board.** 1 x white board to be provided by the contractor. Approx 1000mm L x 1000mm H. To be located adjacent to the door.    1. **Size.**  Width 900 x height 1200 mm.    2. **Material.** Aluminium frame, dry wipe surface.    3. **Height.** Bottom of the notice board shall be 1 m above finished floor level.    4. **Misc.** To include pen tray. 4. **Filing cabinets.** 4 x draw filing cabinets. 5. Metal filling cabinet with powered coated hard wearings finish. 6. 40 kg drawer load capacity. 7. Anti tilt mechanism fitted. 8. Dimensions. Width 470 mm, Depth 620 mm, Height 1320 mm. 9. **Office Desk.** 1 x desk units to be provided by the Authority. 10. **Worktop.** To be to medical specification as detailed at Note 14. To be mounted at 900mm AFFL. | - 6 x DSO to be located above worktop  - 4 x DSO for workstations | 1. **Illumination:** 300 Lux for room. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** As per Note 26. |  |
|  | Audiometric Room | 12 | 1. Located adjacent to the medical treatment room. |  | 1. **Audiometric booth.** Audiometric booth to be provided by authority.Width 1420 x depth 1220 x height 2280 mm. 2. **Doors.** Sound deadened doors to be fitted. | 1. 2 x DSO shall be positioned next to the audiometric booth. 2. 2 x FCU. | 1. **Illumination:** 200 Lux. 2. **Floor finish.** As per Note 10. 3. **Walls finish.** As per Note 4. 4. **Ceiling finish.** As per Note 11. 5. **Ventilation.** Mechanical ventilation. As per Note 26. 6. **FCU.** FCU for wall mounted extractor fan and the audiometric booth.. |  |
|  | External Store | 18 | 1. To be located near service yard. |  | 1. **Walkway.** The covered walk way is to have a similar finish to the CMDC covering, so that the structure blends into the building. 2. **Roof.** Roof supports are to be constructed of steel. Rain water goods are to be provided for all roof areas. 3. **External Lighting.** All lighting under the covering is to be connected to the columns that hold up the roof covering. |  | 1. **Illumination:** 100 Lux for entrance and covered areas. 2. **Area finish.** To be block build surround with a securable front. |  |
|  | Medical waste | 16 | 1. To be located near service yard. |  | 1. **Walkway.** The covered walk way is to have a similar finish to the CMDC covering, so that the structure blends into the building. 2. **Roof.** Roof supports are to be constructed of a metal material. Roof is to include all drainage for rain water. 3. **External Lighting.** All lighting under the covering is to be connected to the columns that hold up the roof covering. |  | 1. **Illumination:** 100 Lux for entrance and covered areas. 2. **Area finish.** To be block build surround with an open front. |  |
|  | Ambulance Parking | 35 | 1. To be located near service yard. 2. Capable of holding 2 ambulances. |  | 1. **Walkway.** The covered walk way is to have a similar finish to the CMDC covering, so that the structure blends into the building. 2. **Roof.** Roof supports are to be constructed of a metal material. Roof is to include all drainage for rain water. 3. **External Lighting.** All lighting under the covering is to be connected to the columns that hold up the roof covering. | 1. 1 x IP66 DSO for trickle charging. | 1. **Illumination:** 100 Lux for entrance and covered areas. |  |
|  | Emergency power | 16 | 1. To be located near service yard. |  | 1. **Walkway.** The covered walk way is to have a similar finish to the CMDC covering, so that the structure blends into the building. 2. **Roof.** Roof supports are to be constructed of steel. Rain water goods are to be provided for all roof areas. Rain water to be directed to surface water drainage system. 3. **External Lighting.** All lighting under the covering is to be connected to the columns that hold up the roof covering. 4. **Standby Power.** A standby generator is to be provided to power this facility, to run the system in the event of the local mains distribution system failing. The standby generator is to power the medical and dental centre for up to a period of 24 hours. 5. **Switchgear / Auto-changeover.** The standby power system is to have an automatic changeover switch and associated switchgear. |  | 1. **Illumination:** 100 Lux for entrance and covered areas. 2. To be a securable and well ventilated area. |  |
|  | Medical Gas Storage | 18 | 1. To be located near service yard. |  | 1. The covered walk way is to have a similar finish to the CMDC covering, so that the structure blends into the building. 2. Roof supports are to be constructed of a metal material. 3. All lighting under the covering is to be connected to the columns that hold up the roof covering. 4. Roof is to include all drainage for rain water. |  | 1. **Illumination:** 100 Lux for entrance and covered areas. 2. To be a securable and well ventilated area |  |
|  | Roads and pathways |  | 1. To link the building entrances with the existing roads and footpaths. |  | 1. Modular block paving as specified in Booklet 3, Part 1, Annex B. |  | 1. Design is to conform to BIDP to include street lighting. |  |
|  | Outside Area |  |  |  | 1. **External building lighting.** External lighting shall be wall mounted at a minimum height of 2.2 m around the building and shall be PIR operated. 2. **Entrance.**  Ramped approach to entrance hall 2.4 m wide. 3. **External walkway.** External walkway is extend 2 m out from building, where doors are located the walkway is to extend to 3 m. The walkway is to be modular block paving as detailed in Booklet 3, Part 1, Annex B. 4. **Pram parking.**  Covered facilities for parking prams to be provided at the front entrance. The pram parking is to hold 4 prams. 5. **Bicycle parking.** Parking for bikes is to be included at all entrances. The cycle parking system is to be constructed of galvanised steel. The tube spacing is to be wide enough to accommodate various bikes and tyre sizes, capable of holding 10 units. |  | 1. **Illumination:** 100 Lux for entrance and covered areas . 2. **Ramped approach.** The ramped approach shall comply with Approved Document (M). 3. **Floor finish.** Paving and roads as specified at Booklet 3, Part 1, Annex B. | Approved Document (M) amdt 2013. |

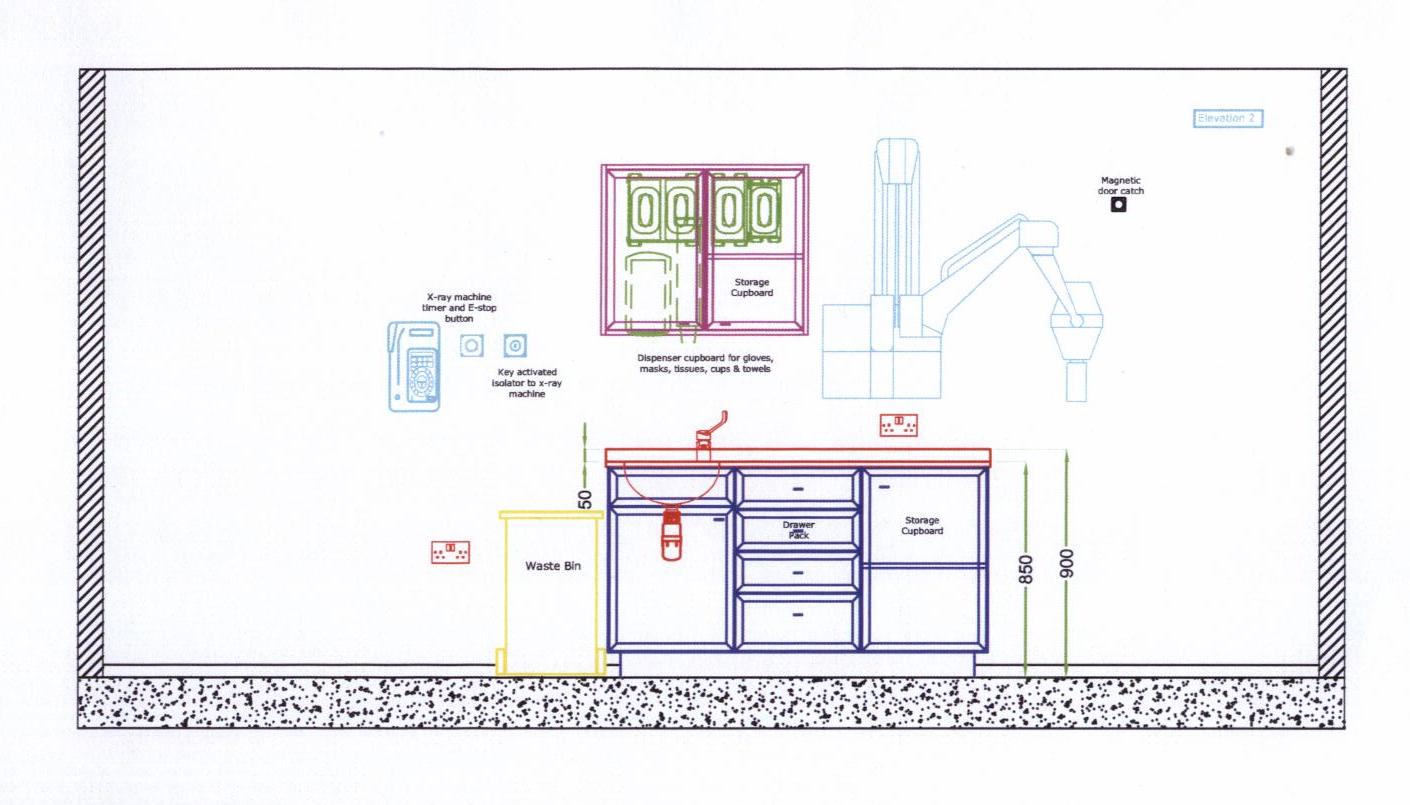
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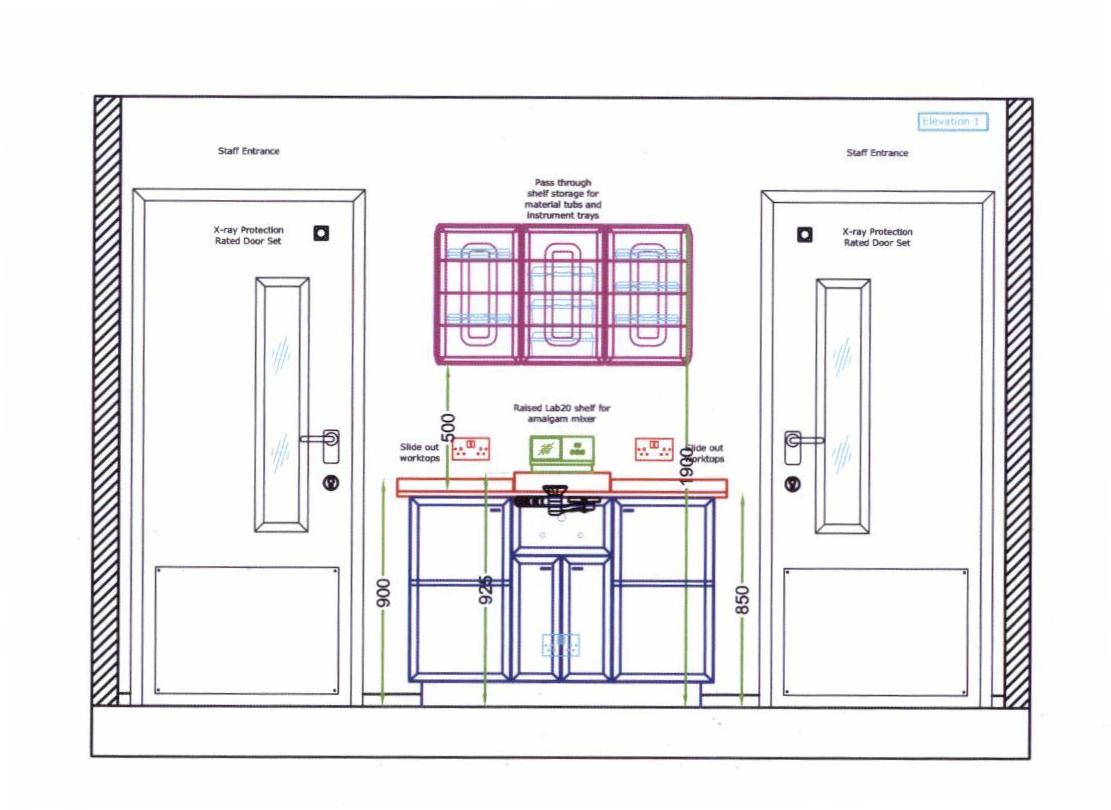
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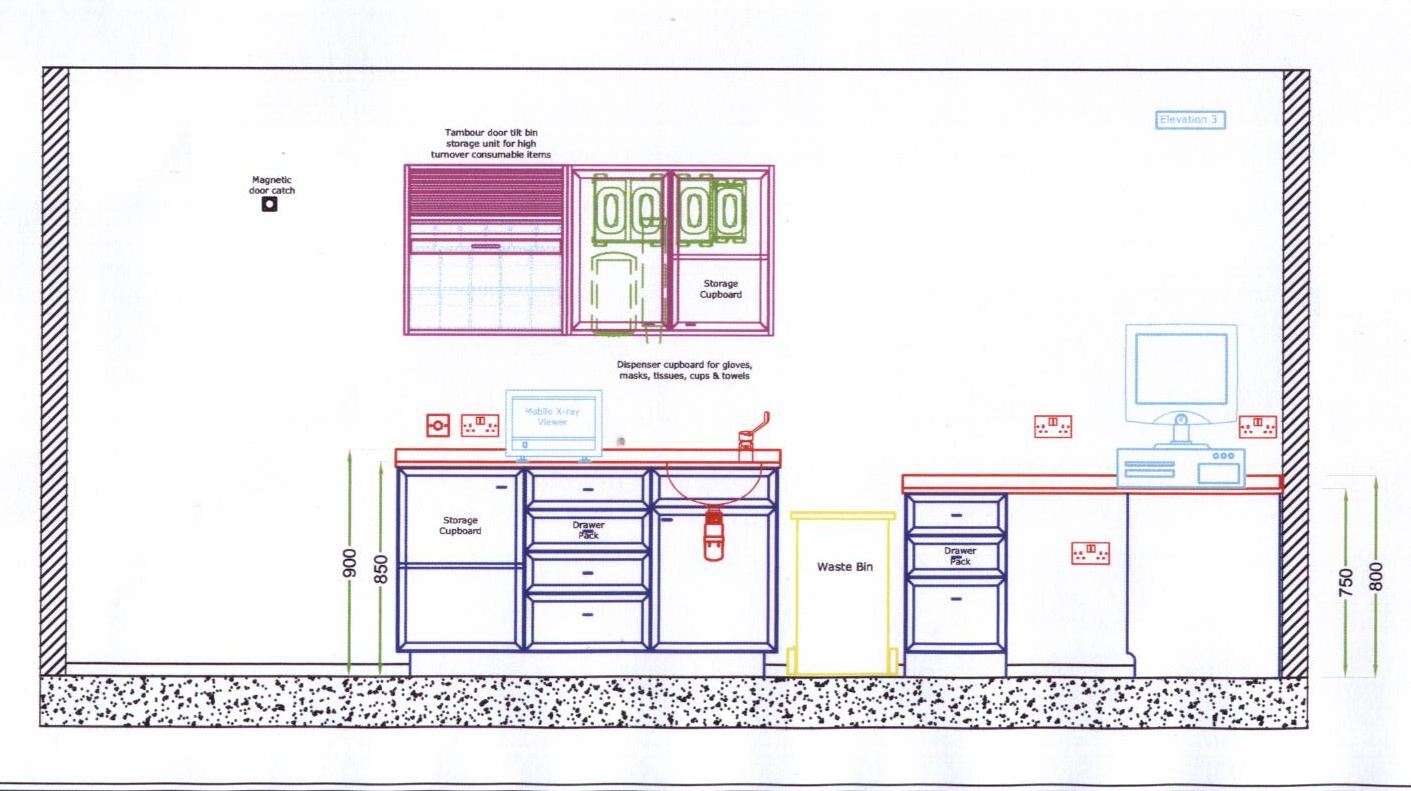
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**CT/COMM1/0057**

**OUTLINE DENTAL SURGERY CABINETRY LAYOUT**







**Appendix 2 to**

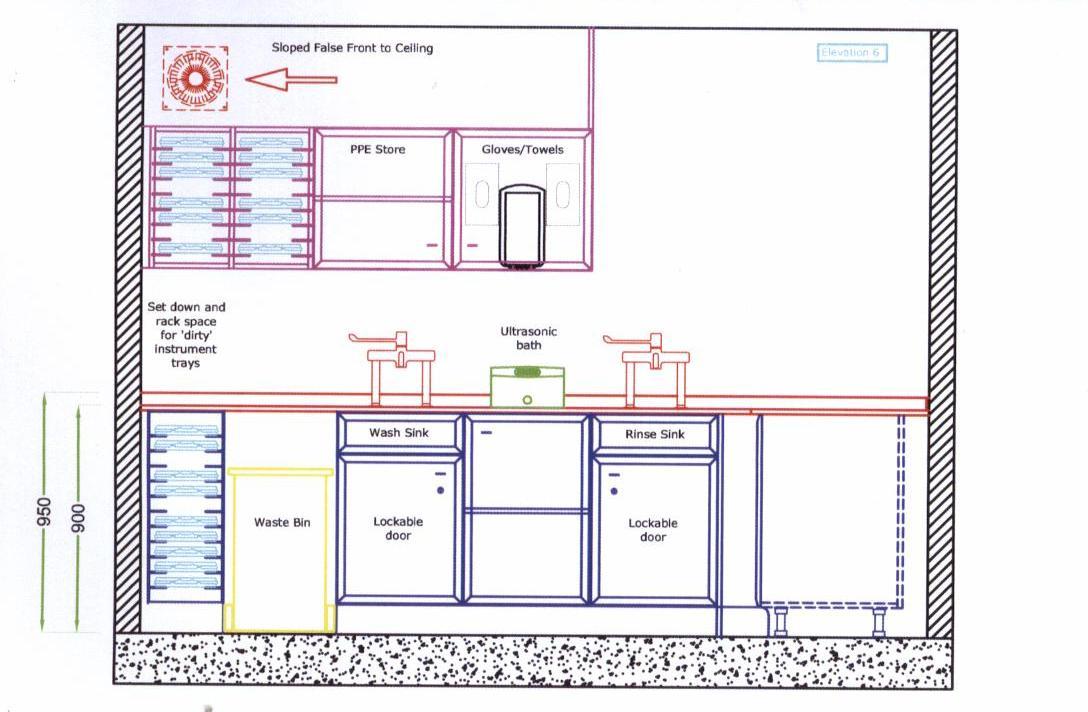
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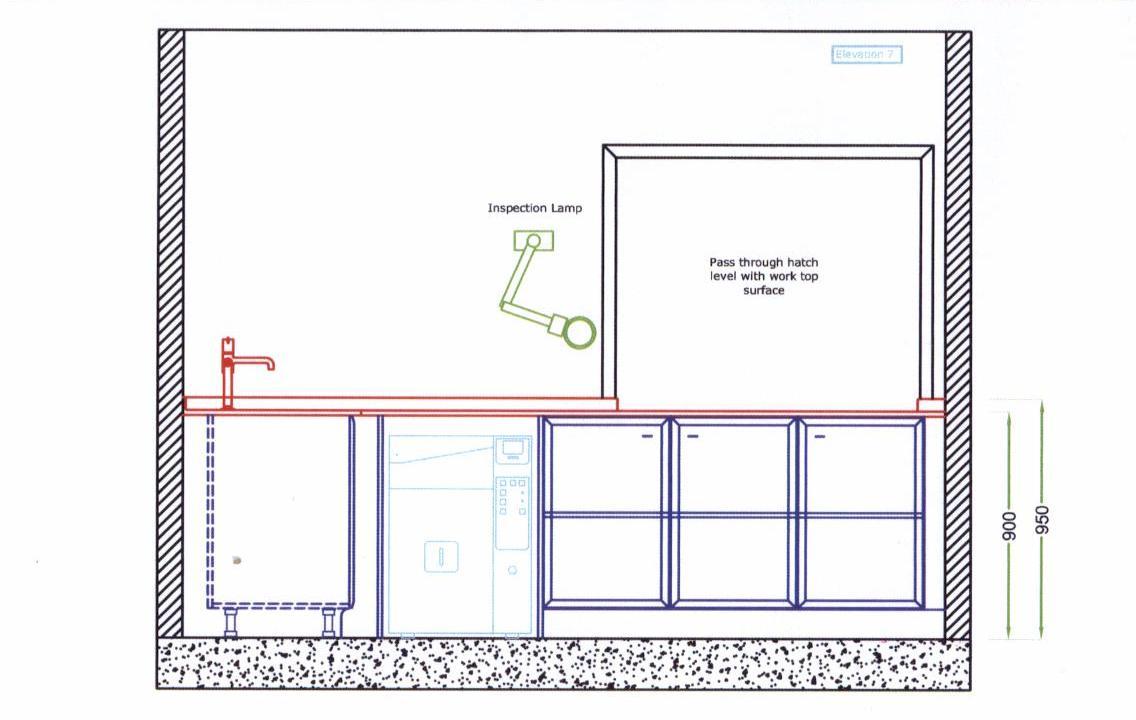
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**CT/COMM1/0057**

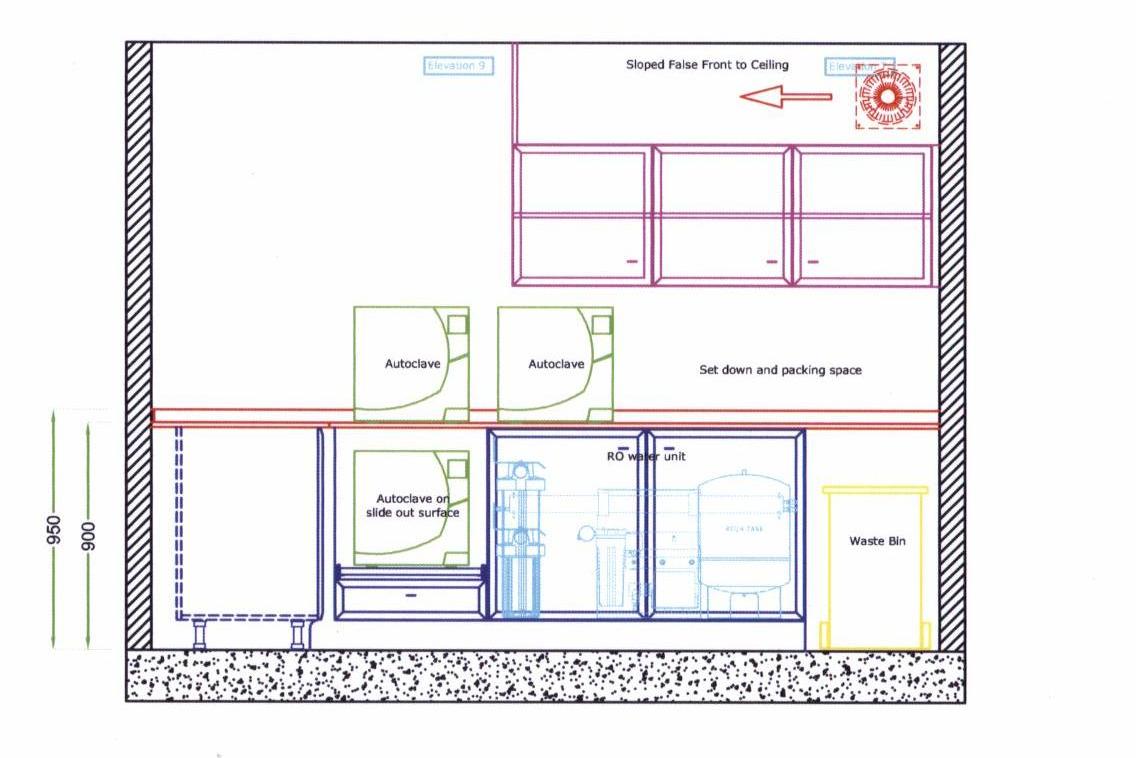
**OUTLINE CSSD CABINETRY LAYOUT**

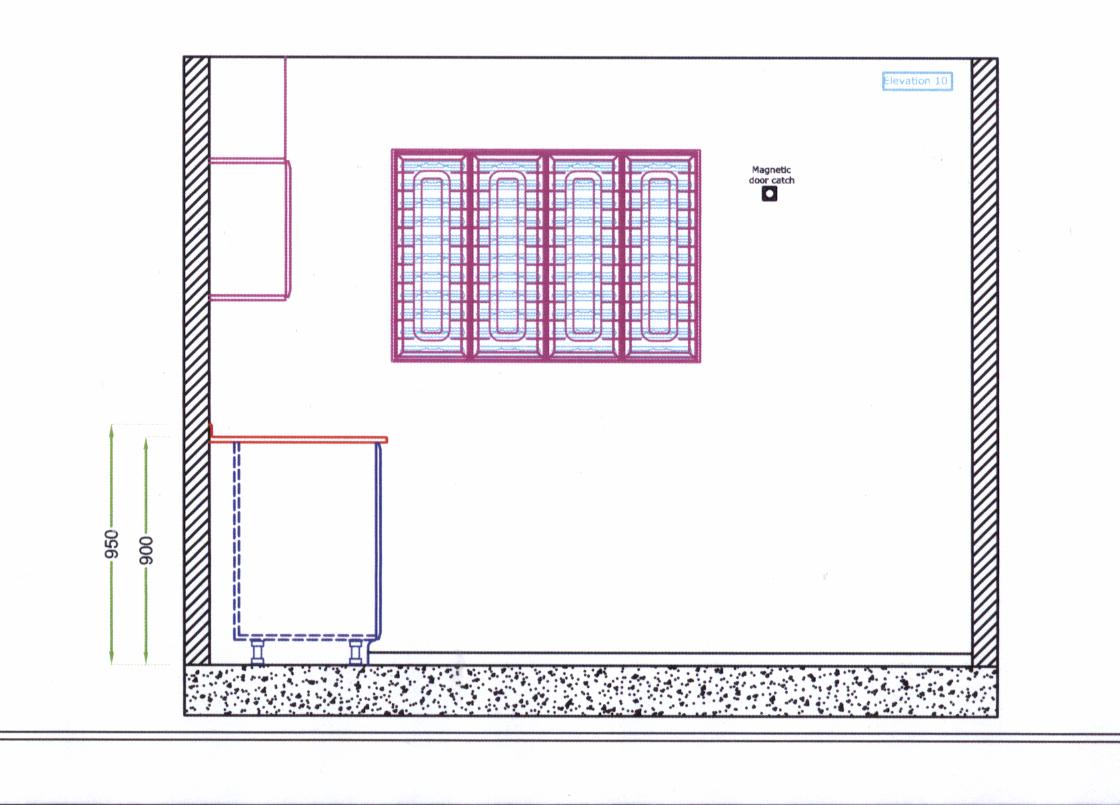
**DIRTY AREA:**





**CLEAN AREA:**





1. 13 A Switched Double Socket Outlet. [↑](#footnote-ref-1)
2. Fused Connection Unit. [↑](#footnote-ref-2)