REFURBISHMENT WORKS to rooms

**k032, K032A (ESTATES OFFICE), K027, ENERGY CENTRE PODS,**

**& UPGRADE WORKS TO SPORTS HALL WALL**

# AT

**CITY COLLEGE PLYMOUTH**

**king’s road campus**

**ON BEHALF OF**

**CITY COLLEGE PLYMOUTH**

**DEVONPORT**

**PLYMOUTH**

**PL1 5QG**

## SPW/spw/71609

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|  | **PHASE III WORKS** |  |
|  | **GENERAL INTENTIONS AND REQUIRED STANDARDS** |  |
| 1.0 | **DATA & POWER** |  |
| 1.1 | Unless stated otherwise, data and power are to run around the perimeter of rooms affected by these works. As far as practically possible, existing installations shall be amended and existing trunking, sockets and data points shall be re-used and amended as economically as possible – generally, it is not the intention to strip out existing installations to replace with new trunking. The latter is to be a last resort in the event of obsolescence of the existing installations. |  |
| 1.2 | Where excess power and data provision exists, this is to remain in place. On no account are power and data points in any room to be removed/reduced. Amended and new installations shall be in accordance with the City College furniture layout drawings. |  |
| 1.3 | New trunking shall be Marshall Tufflex Monoplus 20 trunking or equivalent approved, colour white, with Krone CAT5e data points or equivalent approved, colour white. All sockets shall be standard model as manufactured by MK, MEM, Schneider or equivalent approved. See Appendix *“Structured Cabling Infrastructure Specification Category 5e and 6a”* document for reference. Where an alternative manufacturer is proposed, a sample of the product proposed shall be deposited in the Plymouth office of Vickery Holman and the CA shall seek the approval of the client prior to ordering. |  |
| 1.4 | Where power and data are already situated within existing walls and new trunking is being installed to the perimeter of the room, these installations shall be brought forward and mounted within the new dado trunking as required to form one homogenous installation. |  |
| 1.5 | A workstation is defined as 2 No Double Socket Outlets (DSO) and 1 No Cat5e data point. Where this requirement needs to be augmented, this is noted under the specific room below. |  |
| **2.0** | **NEW INTERNAL DOORS** |  |
| 2.1 | It is the intention to match the newer style of self-finished door at the Kings Road site where new doors are installed. Veneer shall be the closest available match to the newer, existing doors on site. For the purposes of pricing, assume Beech. Where necessary, a sample of the veneer shall be provided to the CA for client approval prior to ordering. All new doors will be FD30S fire doors. Doors to classrooms and offices shall be fitted with 1 No push plate 300 x 15 x 1.5mm (H x W x D) and 1 No matching kick plate minimum 300mm height and for the full width of the door, minimum 150 x 800 x 1.5mm (H x W x D) to the external face of the door. Kick plate and push plate to be satin anodised aluminium finish. Check with CA prior to ordering. Doors shall be fitted with 1 No heavy-duty door closer suitable for use on a fire door, eg Briton 2003EN SES Silver or equivalent approved. Doors shall have long vision panel (for the purposes of pricing, assume 200 x 1200mm (W x L) set 600mm FFL and in from the leading-edge rail 160mm. Fire doors shall have 3 No new fire door hinges to new door, with 2 No fixed to the top of the door and one to the bottom: top and bottom hinges shall be 200mm from the head and the bottom of the door respectively and the third hinge shall be set 200mm down from the top hinge. Hinges shall be a standard twin ball bearing 100 x 75 x 3mm (L x W x D) grade 201 stainless steel. |  |
|  | NB - rubber blade type fire door seals will not be adequate for this application and new seals shall be brush type 10mm rebated fire door seals, colour brown. Seals shall be fitted to the head and rails of the door and the new door shall have a 2-4mm gap between the head and rails and the frame with a 3mm gap between the floor and the foot of the door. |  |
| 2.2 | New doors shall be fitted with 1 No pair of good quality lever door handles with backplate suitable for use with KABA locks and with SAA finish to match the other new door furniture. The preferred style and design is to match the existing door handles and configuration to room K716 (there is a mix of handle type and designs to the tower block). Check with CA prior to ordering. |  |
| 2.3 | Where doors are replaced, ensure that all existing signs are salvaged from existing doors prior to disposal and re-use/re-mount signs to new doors unless instructed otherwise. |  |
| **3.0** | **LOCKS** |  |
| 3.1 | The College uses a KABA suited lock system across the King’s Road Site. No such lock shall be disposed of and all “spare” locks arising shall be handed back to the Estates Department for recycling.  Where new locks are required, these shall be KABA 20 System, KABA 22mm cylinder, round profile with thumb turn and new KABA lock case, profile cylinder mortice sash lock (76mm). Supply 5 No keys for each new lock to be handed to the client at completion.To habitable rooms (ie not cupboards), a thumb turn release to facilitate emergency escape will be required. |  |
| **4.0** | **DECORATION** |  |
| 4.1 | Double height rooms (eg KW032A) shall be decorated to a height of 2.0m FFL only. |  |
| 4.2 | Paint used in decoration shall be Johnstone’s, Crown, Dulux or equivalent and shall be used in accordance with manufacturer’s most recent instructions. For the purposes of pricing, assume Dulux colours:  Walls: 1 No undercoat, 2 No topcoats vinyl matt, colour “Tuscan Treasure 6”, code 25YY83103  Woodwork: 1 No primer coat, 1 No undercoat, 2 No topcoats Paint Mixing Eggshell, colour “Stonewashed Blue”, code 70BG28169 |  |
| **5.0** | **CARPET TILES** |  |
| 5.1 | Carpet tiles installed shall be new Forbo Tessura Teviot loop pile floor tiles or equivalent approved, colour “Nightsky” or nearest equivalent. Supply and fix all necessary threshold coverings/strips where required to leave no trip hazard (for the purposes of pricing assume threshold strips colour black, check with CA prior to ordering). |  |
| **6.0** | **SKIRTINGS** |  |
| 6.1 | Skirtings shall be of FSC softwood and shall match the profile found in each room and shall be nailed and glued securely in each location as required. Similarly, where piecing-in with new timber/skirting is required, the profile of the new timber shall match the existing timber skirtings. Where in doubt, contact the CA. |  |
| **7.0** | **ROOM DESIGNATIONS** |  |
| 7.1 | Room numbers stated refer to the room designations shown on the CCP furniture layouts and on site some designations are currently different to the proposed albeit that room numbers remain generally consistent. |  |
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| 8.0 | **new estates department office & PARTNERSHIPS OFFICE**  **(CONSTRUCTION BUILDING)** |  |
|  | **CCTV** |  |
| 8.1 | The existing CCTV installations to these rooms should have been moved by commencement. Where this is not the case, cover the installations thoroughly with polythene and tape to prevent damage through dust ingress, paint splashes and so on. | **\_** |
| 8.2 | NB-“Room” K037 (within Room KW032A) is actually a cupboard with all the machinery for the lift on the other side of the wall. This door and access must not be restricted and dust must not access the space behind the door. Polythene shall be taped over the door with tape to all sides to prevent dust ingress. |  |
| 8.3 | The over-all plan for this area is:   * Existing room KW032A to become the new Estates Office (see CCP furniture layout for reference), with new demountable partition office within for the Head of Estates. * Existing room KW032B to remain as an office with minimal refurbishment (excluding removal of internal roller shutter door). |  |

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| 9.0 | **(Existing Room KW032B to Become) New Room KW032 – Partnerships Office** |  |
| 9.1 | Carefully remove and dispose from site of the existing roller shutter door complete (check with CA/CCP Estates Department prior to disposal). |  |
| 9.2 | Using timber studwork to infil the now open aperture, carefully construct new stud walling to replace the former roller shutter door, with acoustic insulation fully filling the cavity (eg Knauf Earthwool or equivalent approved 100mm or more glass mineral wool). All joints both sides shall be scrim taped and skimmed using finishing plaster to leave all surfaces level and flush prior to decoration (eg Thistle Finishing Plaster or equivalent approved, widely available). |  |
| 9.3 | Decorate the room throughout as previously described. |  |
| 9.4 | The existing ceiling is to be retained. Allow to replace 10 No. ceiling tiles to match existing as closely as possible. Where this is not achievable, allow to relocate existing ceiling tiles to leave 3 No. rows on the short axis of the room and to cut new tiles to fit as required to the perimeter. Supply and install new tiles up to the outer wall of the room. |  |
| 9.5 | Carefully take up the existing carpet to the room complete and dispose of from site. Lay self-levelling latex to the entire room complete. Replace carpet using Forbo carpet tiles as previously described. |  |
| 9.6 | There is no obscuring film applied to part of the vision panel between rooms KW032 and KW032B. Install obscuring film to the unobscured portion of the vision panel to match existing as closely as possible (ie so that the entire vision panel is entirely obscured). |  |
|  | **Power and Data** |  |
| 9.7 | Adjust power and data installations within the existing trunking as required to provide 2 No DSO and 1 No Cat 5e data points for 5 No workstations (10 No DSO and 10 No Cat 5e in total). |  |
| 9.8 | No other works are required to this room. |  |
| 10.0 | **room kw032a – new estates office** |  |
| 10.1 | Carefully remove and dispose from site of all existing ceiling mounted light fittings. Where suspension cables are in a suitable condition to be recycled, new light fittings shall be mounted on these. For the purposes of pricing, assume that new suspension cables will be required to enable the light fittings to operate at the recommended height of 3.5m FFL. As per Fitzgerald specification, supply and fix 9 No SPE66/5T/CO/840/1.5SK and 3 No SP£66/5T/CO/ 840/1.5sK/M3 Fitgerald Spectrum LED lighting modules or equivalent approved. Allow to adjust existing switching configuration for economic use of the lighting in the office. |  |
| 10.2 | Carefully take up the existing flooring from within room KW032A complete and prepare all surfaces ready for the relocation of the carpet from the Goschen Centre. Allow for 2m2 in total of concrete repairs using Fosroc Nitomortar PE or equivalent approved.  Supply and lay new self-levelling latex to the whole of room KW032A such as Arditex NA by Ardex or equivalent approved.  The contractor shall allow for taking up the existing carpet at the Goschen Centre (which is new and was only recently laid) complete and transporting it to the Kings Road site as required prior to re-installation in room KW032A (and prior to the installation of the new office for the Head of Estates which will sit on top of the carpet – ie, the same carpet extends into the new small office). |  |
| 10.3 | The bolt to the top of the slave leaf of the double doors between rooms KW032A and KW032B constantly slips and falls out of engagement with the door frame. Replace the bolt with 1 No new bolt sized as existing and to match the bolt at the foot of the slave leaf. |  |
| 10.4 | See drawing 71609/302. The existing convector radiator to the party wall with room KW031 will be on the line required to install the new demountable partition for the office of the Head of Estates. Drain down and recommission the heating system in the room as required and relocate the radiator to the main office within the wider room KW032A, and recommission the heating once works are complete. Leave all in full working order. Supply and install 1 No additional convector radiator unit to the general Estates Office sized to suit. For the purposes of pricing assume 600 x 1200mm fixed on brackets to wall as needed. Supply and fix all plumbing components, pipework etc to leave all in full working order. Radiator shall also be installed with thermostatic radiator valve or other appropriate thermostatic control. |  |
| 10.5 | The electrics to the party wall with room KW031 are very untidy and have been installed in a piecemeal fashion over time. Using white plastic trunking/ mini trunking screw-fixed as required, it is a requirement to tidy the electrics and neaten the appearance of what will be the internal wall of the new office and to ensure installations comply with all current legislation and IEE Regulations 17th edition. Confirm details with CA prior to proceeding. Allow a PC sum of £200 for this work. | **200.00** |
| 10.6 | Prior to the installation of the office for the Head of Estates, decorate room KW032A complete to a height of 2m FFL only as previously described. |  |
| 10.7 | There will be no works required to the existing ceiling, although there will be work required to the existing lighting, see below. |  |
| 11.0 | **Office for Head of Estates Within Room KW032A** |  |
| 11.1 | To the configuration shown in drawing 71609/302, supply and fix as required demountable partitioning to form new office complete with new FD30S fire door with all door furniture and long vision panel as previously described (no door closer), lining and frame. Lock shall be new KABA suited lock as previously detailed. For the purposes of pricing, assume partitioning to be half glazed and the lower half of walls beneath glazing shall be self-finished, colour: blue. Check with CA prior to ordering. The new office is also required to have a ceiling with reasonable acoustic attenuation properties. Supply and fix a new lightweight acoustic ceiling such as Ecophon Focus E (20mm tile with 22dB overall sound reduction) or equivalent approved. |  |

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| 11.2 | To the newly formed office and within the new suspended ceiling, supply and fix 2 No Fitzgerald CE35/B/CO/840 Celestial LED panels (check with CA prior to ordering), all necessary cabling and conduit and a new white plastic faced light switch with white plastic wall mounted back box screw-fixed to the partition as needed adjacent to the new office door. |  |
| 11.3 | To the new office of the Head of Estates, amend existing trunking supplemented with new trunking as required to provide 2 No DSO and 1 No Cat 5e data point in total. See CCP furniture layout. |  |
| 11.4 | Roller Shutter Door Replacement  To the northern, external wall of room KW032A is an industrial roller shutter door (painted yellow) and frame with a makeshift walling arrangement behind it forming the internal wall. Remove the roller shutter door and frame complete and all existing internal walling behind it. Make good all surfaces disturbed and leave a clear aperture ready for the installation of new walling and windows (see below). |  |
| 11.5 | As shown in drawing 71609/305, supply and fix new through coloured grey PVCu double glazed windows with opening casements to match the neighbouring windows and window lines (confirm with CA prior to ordering. All casements shall be lockable with suited window locks such that all operate using the same lock. New windows shall also have trickle vents and shall be set atop new timber or metal studwork as preferred sized to accommodate windows but for the purposes of pricing assume 200mm. Supply and fix all necessary timber or metal studwork to form new half-height wall. For the purposes of pricing, assume new wall to be a total of 1200mm GL.  Internal wall shall be formed using a double layer of 12.5mm plasterboard with staggered joints and all joints scrim taped and skimmed with plaster prior to decoration. Decorate as part of the wider decoration of room KW032A. Cavity of new walling shall be fully filled using proprietary insulation bats cut to suit and taped as per manufacturer’s regulations to achieve a u-value under the Building Regulations of 0.18, eg Kingspan Kooltherm K108 Cavity Board or equivalent approved. Supply and fix as required all necessary breather membrane, cavity closers and measures to transfer moisture from the cavity to the outside of the new installation.  External walling surface beneath windows shall be formed externally using a proprietary self-finished cladding panel such Trespa Meteon or equivalent approved, colour “steel grey” or equivalent (check colour with CA prior to ordering). Any cladding panel used is required to be easily available from suppliers and shall be at least A2-s1, d0 standard and preferably A1 standard where affordable. Fix all as per manufacturer’s recommendations. |  |
| **12.0** | **ROOM K027 – Student Funding** |  |
| 12.1 | NB – A refurbishment and development asbestos survey will have been completed by the time works commence but there is definitely asbestos in this location and additional caution is strongly advised to prevent contamination of the site.  **DO NOT DISTURB THE DUCTING WITHIN THIS ROOM WHICH DOES CONTAIN ASBESTOS.** | **\_** |
| 12.2 | To the Costa coffee shop side of the wall to be removed, carefully remove and set aside for reinstatement all remaining pictures, the hand towel dispenser and any other wall mounted items having noted the location of each. Disconnect and make safe any electrical installations within the wall to be removed and any other services. Drain down and temporarily set aside the radiator mounted on the all to the north corner of the wall (retain all mounting brackets and fixings for reinstatement. Carefully adjust and remove elements of the suspended ceiling as needed to allow the removal of the existing wall. |  |
| 12.3 | Using polythene and tape for alarm and other sensors remaining within the room and latex gloves to cover fire detection devices whilst demolition work is in progress, cover existing installations prior to commencement. |  |
| 12.4 | NB – The existing carpet is to be retained within room K027 and all care must be taken to ensure no accidental damage during the works. Cover the carpet complete prior to proceeding with demolition work. Allow to install a fillet of closely matching suitable grade carpet to the perimeter of the room where cupboards etc have been removed. For the purposes of pricing, assume 1m width. | # |
| 12.5 | NB – There is electrical conduit at floor level where sockets have been spurred off. Carefully disconnect the electricity, remove the old installation prior to constructing the new wall. Reinstate the 2 No DSO thus removed within the new dado trunking configuration as required. |  |
| 12.6 | Remove all fixed cupboards, worktops, fixtures and fittings (including overhead light fittings) to the room complete prior to the removal of the old walling and new wall installation. Dispose of all from site complete. Remove the existing walling materials to the locations shown on drawing 71609/304 complete and dispose of from site. |  |
| 12.7 | Carefully remove the existing light fittings within K027 complete and dispose of from site. Replace 5 No suspended ceiling tiles with mounting holes with those removed to mount new light fittings. In accordance with the Fitzgerald lighting specification, supply and install 3 No CE35/B/CO/840 and 1 No CE35/B/CO/840/RM3 Fitzgerald Celestial LED lighting panels within existing suspended ceiling connected into the existing light switching installation. |  |
| 12.8 | Carefully remove all existing small power installations to the room complete and make good all surfaces disturbed prior to installation of new trunking and power. |  |
| 12.9 | To minimise the impact of the spread of dust to the coffee shop and corridor, construct with timber carcassing, polythene and sticky tape any necessary screening to the areas adjacent to the works area prior to commencement. |  |
| 12.10 | The west wall to the room and part of the south wall once formed a reception area and the construction of the walls used to block up the counter aperture is of poor quality. It is the intention to remove and replace the old materials, including the any asbestos present which must be removed and to reinstate the wall on the existing line using new timber or metal stud partitioning (positioning to eliminate the existing gap between columns and the existing wall) so as not to entail disturbance and relocation of the Costa coffee shop (room K027B). Walling shall be formed in a double layer to the coffee shop side using 15mm plasterboard with an over-layer of 15mm Gyproc FireLine board or equivalent approved and on the K027 side using a single layer of 15mm Gyproc FireLine board and Gypframe 48 S 50 “C” studs or equivalent approved installed as manufacturers recommendations. Cavity in stud walls shall be fully filled using Earthwool 100mm Acoustic Roll or equivalent approved. | **\_** |
| 12.11 | To the corridor section of wall and abutting the new fire rated partition walling to the coffee shop, supply and fix floor to ceiling 1 hour fire rated double glazed glass walling to match that to the coffee shop. Abut this to the door frame of the newly installed assisted opening door to the office. |  |
| 12.12 | To the new K027 wall and any other areas of the room where skirting is missing, supply and fix new timber skirting boards (profile to match existing) prior to decoration. |  |
| 12.13 | Supply and fix all new dado trunking as described above to provide power and data for 2 No workstations – 4 No DSO and 2 No Cat 5e data points in total. |  |
| 12.14 | The existing door to the corridor is not fit for purpose. Remove the door and frame complete having first removed the lock and all door furniture complete for recycling elsewhere. Dispose of all from site complete. |  |
| 12.15 | Propping and shoring as and if needed, carefully remove the existing lintel and dispose of from site. Widen the lintel aperture ready to receive new lintel over newly widened door aperture for new 900mm door (see below). Make good all surfaces disturbed and supply and apply new finishing plaster to both sides of door head prior to decoration. Ensure all surfaces are level and flush as far as possible. |  |
| 12.16 | Carefully widen the door aperture to receive the new 900mm door, lining and frame. Make good all surfaces disturbed prior to decoration (both room and corridor sides). |  |
| 12.17 | It is the intention to match the door and configuration to be found in the form of the door and opening devices to K038 on the opposite side of the corridor to room K027. As described above, supply and fix 1 No new 900mm FD60S fire door and hardwood door lining, frame and architraves suitable to offer 1 hour fire resitance. Ensure all door furniture (also described above) is suitable for 1 hour fire resisting fire doors. Door shall have long vision panel, door handles for manual operation where powered operation is not needed and SAA kick plate to the corridor side as previously described.  In appearance, new door shall match the description above. Also supply and fix 1 No new automatic opening device which will also allow manual opening and 1 No push button opening device to each side of the door (ie 2 No in total, one within room K027 and one to the corridor side – check position for installation with CA prior to installing). Eg Dorma ED100 LE Swing Door Operator with 1 No swing arm and 1 No key switch with 2 No keys or equivalent approved and touchpads shall be wireless – supply and fix 1 No wireless receiver. Type of push pad required is similar to JWS Automatic Door Push Pad Wireless Push to Open (WC/PTO) or equivalent approved. Door shall also be fitted with door safety sensors to prevent collision with pedestrians. |  |
| 12.18 | **Decoration** |  |
| 12.19 | Decorate room K027 throughout as described above. |  |
| 12.20 | Prior to demolition of the wall between K027 and the Costa coffee shop, take a sample of the walling and any skirting being removed for colour matching. Paint the reinstated wall and skirting complete, type of paint and number of coats as detailed above. |  |
| **13.0** | **ENERGY CENTRE PODS** |  |
| 13.1 | By the time Phase II commences, most of the redundant equipment to the pods in the Energy Centre will have been removed by CCP and others.  Remove and dispose of the rainwater harvesting system, the air source heat pump and hot water cylinder complete and make good all surfaces disturbed. Similarly, remove the 2 No raised plinths in 2No of the pods complete and make good all surfaces disturbed. Carefully set aside the Belfast sink set into the timber worktop within one of the booths and hand back to the College for storage. Remove and dispose of the cupboards and timber worktop complete from site and make good all surfaces disturbed. Remove all other items left within the spaces and dispose of from site. |  |
| 13.2 | The pod containing the inverter units for solar panels is to remain untouched with the exception of making good to walls and decoration. This pod will be made into an inverter cupboard. As previously described, using timber or metal studwork as preferred and plasterboard, supply and fix all necessary stud partitioning to house a new double fire door set and frame to contain this area. Supply and fix 1 No double door set (no vision panels to doors), softwood doorframe, lining and architraves as described above (door closers are not required). Supply and fix new kick plates to both doors externally and supply and fix new door handles as previously described and a new KABA lock to the doors. Check with CA prior to ordering the lock as CCP Estate Office may have an existing lock to recycle. Supply and fix 2 No new “Fire Door Keep Shut” signs; fix 1 no to each door. Where required, supply and fix new softwood skirting to both sides of the new studwork, profile of skirting to match existing. Decorate all new studwork and skirting as part of the cost for that item (see below). |  |
| 13.3 | Lighting to pods in general – no works (see below re new office space). |  |
| 13.4 | **Power and data** – the existing installations are to be retained. Service all and leave all trunking e.t.c in full working order. There are a number of locations where the trunking is missing front plates. Amend adjust and supplement existing installations and leave all complete and ready for use. |  |
| 13.5 | Make good all surfaces prior to decoration – fill all holes as required and rub down to leave surfaces flush and smooth. Ensure all plasterboard joints are scrim taped and skimmed with plaster prior to decoration. Decorate the pods and the office at the eastern end of the area complete and throughout as described above. |  |
| 13.6 | The kitchenette installation with hydroboil and instantaneous hot water tap are to remain but all will require fully servicing. Leave all in full working order. Replace the filter to be found in the cupboard beneath the hot water tap complete and dispose of the old from site. |  |
| 13.7 | The room at the eastern end of the pods is to become an office. Having removed the raised floor and made good prior to decoration, supply and fix all necessary timber or metal studwork and plasterboard to infill the existing opening around the new door (see below) and fully fill the cavity of the new stud walls using 100mm Earth wool Acoustic insulation as previously described. Decorate all both sides as part of the cost in the decoration item above. Supply and fix new softwood skirting boards to the whole perimeter of the new office and the exterior of the new stud wall as required, profile to match existing. |  |
| 13.8 | Supply and fix 1 No new FD30S door, door lining, frame and architraves complete to the remaining door aperture to the office all as described above. Decorate all as part of the decoration item above. |  |
| 13.9 | There are a number of holes to the plasterboard walls in the new office space. Extra caution is required when cutting the lining wall in this space as there are cables for other installations between the plasterboard and the masonry outside wall. Make good all holes to the plasterboard walls as required using softwood timber battening to space off the masonry wall. Supply and fix new plasterboard fillets cut to size to fill holes screw-fixed into the new timber battens as needed. Scrim tape all joints and skim with plaster prior to decoration. Fill any remaining holes to walls and rub down prior to decoration, leaving all surfaces level and flush as far as possible. |  |
| 13.10 | **Ceiling** – The existing ceiling is to remain complete albeit with new light fittings. Remove all ceiling tiles with holes from previous light fittings (now removed) and replace with those taken out to install new light fittings. |  |
| 13.11 | Carefully remove any existing light fittings within the proposed office space and dispose of from site complete. Within the existing ceiling and in accordance with the Fitzgerald lighting specification, supply and install 2 No Fitzgerald CE35/B/CO/840 Celestial LED lighting panels or equivalent approved. Supply and fix 1 No now 2 switch white plastic faced light switch, back box and all necessary cabling and conduit and connect new light fittings to provide separate switching to each end of the room.  Remove all existing bulkhead type double “d” fittings and make good all surfaces disturbed prior to decoration. Dispose of all from site having first checked that these are no longer required with CA. |  |
| 13.12 | **Heating** – It is the intention to connect 2 No new radiators to the existing heating system, the pipework for which runs along the eastern and southern walls above this office. Drain down the existing heating system to facilitate works and recommission at completion to leave all in full working order.  Supply and fix all necessary connecting pipework to the new radiators and all necessary components to enable the new radiators to run off the existing heating pipework and installations.  Supply and fix on wall brackets as needed 2 No new double low surface temperature radiators complete with TRV (2 No total). For the purposes of pricing, assume size of radiators to be 1200 x 600mm. Check sizing and styling with CA prior to ordering. |  |
| 13.13 | **Carpet**  (Existing carpet removed with removal of existing plinth).  Supply and lay self-levelling latex to the whole of the floor of the new office area.  To the whole of the new office, supply and lay new Forbo carpet tiles as described above throughout. |  |
| 13.14 | Supply and fix new dado trunking as described above to provide power and data sufficient for 5 No workstations (10 No DSO and 5 No Cat 5e data points total). Leave other DSOs and installations as existing. |  |
| **14.0** | **ENTRANCE FOYER WALL – FIRE AND ACOUSTIC UPGRADE** |  |
| 14.1 | NB – There are asbestos elements to the walls requiring upgrading and the asbestos register identifies these. The contractor shall consult the asbestos register prior to commencement. Asbestos elements are not to be disturbed and shall be protected as required for the duration of the works so as to prevent accidental damage and contamination. |  |
|  | NB - The sports hall will be in use by College staff as a store for three weeks of the contract period from the 17 July and the contractor shall make all necessary provision to ensure the safety of all persons using the space and to clearly delineate the work area with fencing and signage stating “Building Site – Keep Out” etc. |  |
| 14.2 | It is the intention to upgrade the mass of the existing wall to improve the fire retardance (primary objective) and acoustic retentiveness of the wall. Allow here for all necessary protection to the existing floor and other elements within the gym not affected by the works. Using polythene mounted on softwood carcassing as required and securely taped, undertake all necessary measures to prevent the spread of dust to the foyer and the wider gym. Provide all necessary signage to delineate the work area on both sides of the proposed new walling, eg “BUILDING SITE – KEEP OUT”. |  |
| 14.3 | To allow construction of new timber acoustic studwork secured to the existing wall, carefully release and stand off the wall all services (corridor side and gym side of the wall) and allow for all liaison with specialist operatives for this work (ie alarm contractor, electrician). Ensure all services eased from the wall are adequately supported and secured to allow reinstatement at the completion of the wall and that the existing services don’t pose a health and safety risk to people whilst the works are in progress. Reinstate all services to the wall ensuring that fire resistance of the wall is not compromised.  NB – It is common for footballs etc to be kicked against this wall and all fixings and installations are required to be robust enough to withstand such occurrences. |  |
| 14.4 | Carefully take down and remove from site all of the walling materials and materials arising from the 2 No apertures where the new walling is required. Leave all ready to receive new studwork. Having first removed all door furniture and the lock for recycling, remove and dispose of from site the existing double doorset and frame (to be replaced) complete. |  |
| 14.5 | To the newly revealed apertures between columns (and to accommodate the new double fire doorset), using Gypframe 70 AS 50 studs (as manufactured by British Gypsum or equivalent approved) set at centres as specified by the manufacturer (assume 400mm centres for the purposes of pricing), construct new robust studwork ready to receive new plasterboard. Set out studwork as required so that the finished surfaces are level and flush within the sports hall. To the sports hall side of the studwork and to infill the whole of each alcove completely, supply and fix an initial layer of Gyproc 12.5mm Soundblock plasterboard and over this, secure an additional layer of Gyproc 12.5mm Rigidur plasterboard. Equivalent approved products will be acceptable but a minimum of 1 hour fire resistance is the minimum standard. Infill the cavity of the new studwork with 50mm Isover Acoustic Roll or equivalent approved (part of the intention with this work is to improve the acoustic attenuation of the wall to the corridor). To the corridor side of the new walling, supply and fix 2 No layers of Gyproc Soundblock plasterboard or equivalent approved. To all plasterboard installations, ensure that joints are staggered as manufacturer’s instructions and that joints are taped using paper tape. Skim all new partitioning with finishing plaster prior to decoration. To both sides of the new walling, supply and fix new timber skirting boards as previously described with profile to match existing as closely as possible. |  |
| 14.6 | To the location of the existing double doorset and configured to match existing, supply and fix 1 No new 60-minute certified double doorset and frame complete installed as per manufacturer’s instructions to ensure 1 Hour fire resistance. Fire doors shall have long vision panel (vision panel shall be Pyrostop 60-101 or equivalent approved to also offer 1 hour fire resistance and reduced risk of burns through radiant heat) and all new hardware suitable for one hour fire resisting doors appearance to match the door furniture specified for other new doors on site above.  Supply and fix 1 No new heavy duty proprietary door closer suitable for one hour fire doors to the corridor side of the new doors. As detailed above, supply and fix 1 No new SAA kick plate and push plate to each door and a pair of SAA “D” pull handles (one for each door). Ensure that screw fixings in no way compromise the fire integrity of the new doors. |  |
| 14.7 | **Decoration** |  |
| 14.8 | Around the new partitioning and to a maximum height of 2.5m FFL, rub down the existing walls within the sports hall and fill as required (perpend to perpend) to a height of 2.5m FFL prior to decoration. |  |
| 14.9 | Decorate both sides of the new wall and all skirtings as detailed above. NB – to a height of 2.5m FFL within the sports hall. |  |

REFURBISHMENT WORKS to rooms

**KW032, KW032A (ESTATES OFFICE), K027, ENERGY CENTRE PODS,**

**& UPGRADE WORKS TO SPORTS HALL WALL**

**City college plymouth**

**king’s road campus**

**COLLECTION SHEET**

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In the Capacity of: ………………………………………………………………….

Authorised to sign

on behalf of : ………………………………………………………………….

Registered Address: ………………………………………………………………….

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SPW/SPW/71609

Date 2017