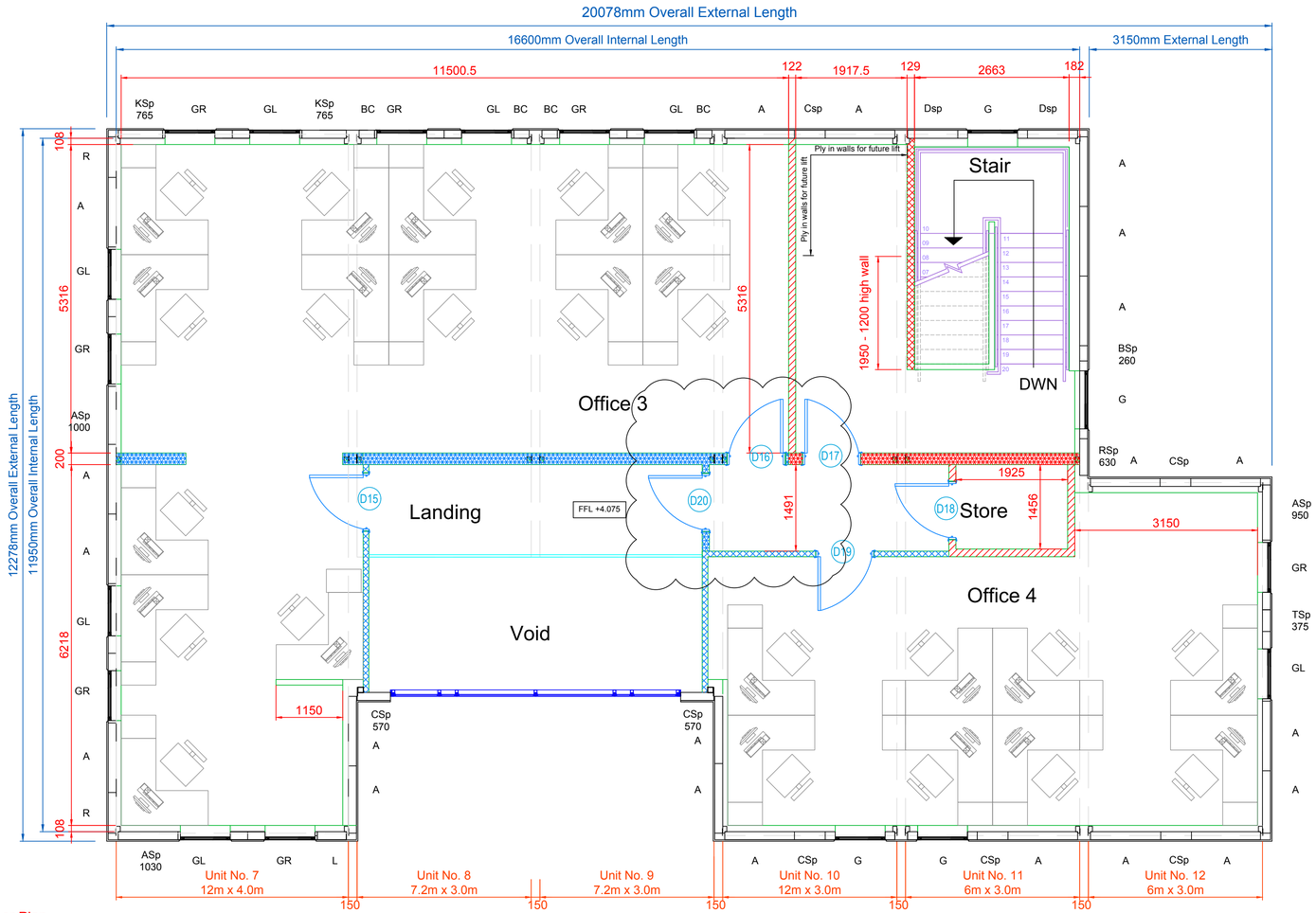
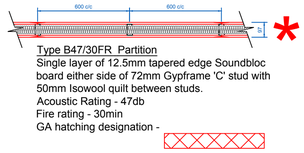
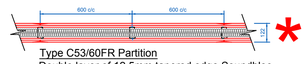


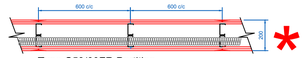
First Floor Plan



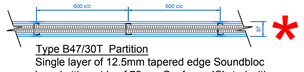
Type B47/30FR Partition
Single layer of 12.5mm tapered edge Soundbloc board either side of 72mm Gypframe 'C' stud with 50mm Isowool quilt between studs.
Acoustic Rating - 47db
Fire rating - 30min
GA hatching designation -



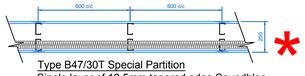
Type C53/60FR Partition
Double layer of 12.5mm tapered edge Soundbloc board either side of 72mm Gypframe 'C' stud with 50mm Isowool quilt between studs.
Acoustic Rating - 53db
Fire rating - 60min
GA hatching designation -



Type C53/60FR Partition
Double layer of 12.5mm tapered edge Soundbloc board either side of 72mm Gypframe 'C' stud with 50mm Isowool quilt between studs.
Acoustic Rating - 53db
Fire rating - 60min
GA hatching designation -



Type B47/30T Partition
Single layer of 12.5mm tapered edge Soundbloc board either side of 72mm Gypframe 'C' stud with 50mm Isowool quilt between studs.
Acoustic Rating - 47db
Fire rating - 30min
GA hatching designation -



Type B47/30T Special Partition
Single layer of 12.5mm tapered edge Soundbloc board either side of 72mm Gypframe 'C' stud with 50mm Isowool quilt between studs.
Acoustic Rating - 47db
Fire rating - 30min
GA hatching designation -

Partition Type - Parcel Depot
NTS

THESE DRAWINGS ARE WERNICKS COPYRIGHT AND MAY NOT BE REPRODUCED.
FIGURED DIMENSIONS ARE TO BE TAKEN IN PREFERENCE TO SCALED MEASUREMENTS.

	REVISIONS	DATE	INL	CHD
A	Amendments in line with design review.	07.11.17	cl	
B	Amendments in line with client discussion on 07.11.2017 - window removed from office 4.	08.11.17	cl	
C	Building and internal layout re-drawn.	07.12.17	cl	
D	Contract number, Wall types, panel codes and door numbers added, building layout revised to client comments.	14.12.17	cl	
E	Notes added and partition types, Jointing Post adjacent to void and curtain walling width amended.	04.01.18	cl	
F	Specification Note amended, partition to stair side added.	10.01.18	cl	
G	Door 16 repositioned. Additional partition and door (D20) added to balcony area in line with Fire officers comments	22.02.18	cl	

NOTES

PARTITION TYPES HIGHLIGHTED WITH AN ASTERISK * PARTITION TO BE FULL HEIGHT i.e. FROM FLOOR DECK TO U/S OF ROOF/PARTITION JUNCTION TO BE SUITABLY SEALED WITH ACOUSTIC/INTUMESCENT SEALANT (AS APPROPRIATE)

TAPERED EDGE WITH PAINTED FINISH
Tape and fill finish to board joints

DESIGNATED FIRE RATED PARTITIONS
Applicable to both Vinyl faced and Tape and Fill finishs
Double boarded partitions MUST have staggered board joints
All joints to be intumescent sealed

SCHEDULING ISSUE
Date: By: Rev:
To:
Purpose:

APPROVED FOR CONSTRUCTION
AUTHORISED: cl
DATE: 03.01.18

FOR FURTHER DETAILS REFER TO WERNICK SPECIFICATION

EXTERNAL WALLS
Outer facing - TATA colourcoat urban plank fixed to colourcoat composite panels
Inner facing - Gypsum wallboard with a painted finish (external walls are boxed out and insulated)
Core - Solid sheet EHD polystyrene insulation set into a timber frame
U.Value - 0.15 W/m² °C
Fire Protection- Multi pro XP to all external walls

TATA COLOURCOAT URBAN BLANK
The Colorcoat Urban® wall plank offers a robust rainscreen, giving added protection to your building. A flat panel appearance is created from the engineered gap between each panel, where the secret-fix securing is concealed. The wall plank, when used as a cladding, can be fitted horizontally.
Wall planks are supplied in sizes up to 400mm deep, and come in 3m lengths as standard, making them ideal for use as large fascia. The wall plank is fastened to a boarded surface.

ROOF - CURVED (Built over roof construction)
To accommodate a 'traditional' pitched roof finish, the volumetric building units are made with a 'temporary' flat roof for 'over trussing' at site. The 'flat' temporary roof has a waterproof covering incorporating insulation to give a 'warm deck'. Timber trusses fixed over the temporary flat roof support are external grade plywood, breather membrane and Urban Seam profile roof sheet. The insulated decking below the pitched roof is kingspan composite sheet KS1000DR. KS1000DR is a fully insulated steel faced composite sheet providing a 'warm deck' system. Fascias/soffits are TATA urban plank.
U.Value - 0.12 W/m² °C (insulation in flat deck roof, trussed over)

FLOOR FRAME
Decking - 38mm Chipboard Ground and First
Insulation - 'Stylite Plustherm' sheet & Rockwool
Main frame - Galvanised steel beams and cross joists
Design load - 5kN/m2
U.Value - England and Wales 0.13 W/m² °C

Note:
Permitted loading on plywood floors (18/7 Finnish Conifer Plywood (WISA Spruce)):
Uniformly distributed load - up to 5kN/m2
Point load (50 x 50mm contact area) - 1kN

EXTERNAL SKIRTING
Engineering brick skirt is installed to the perimeter of the building with linear drainage channels installed at door thresholds. Brickwork is installed with a 50mm air cavity from face of the modules with timber frame cavity wall ties connecting back to the building all as per building regulation requirements. Proprietary air bricks are installed around the building perimeter to provide sub-floor ventilation. Brickwork is constructed off lintel foundations.

WINDOWS
Aluminium Taurus window is of the highest quality to BS4873, designed for severe conditions to meet the relevant British Standards. The system is thermally broken, pressure equalized, drained and ventilated. Corners are mitred, mechanically cleated and sealed with silicone sealant and frames are powder coated - **Paint spec to be marine grade**. Opening vents are full top hung and have stainless steel friction hinges, lockable cock spur handles and restrictors. Glazing generally will be double glazed units with float low E inner pane and float outer pane. All cavities have argon gas fill.
Windows are 860mm wide x 1135mm high, with a cill height of 935mm. Reveals are plasterboard with a painted MDF Cill.

CURTAIN WALLING
Smart MC 600 curtain wall screen.Powder coated to a standard RAL colour - **Paint spec to marine grade**. Pressure cap and plate system. Cill pressed under bottom of curtain walling.
Aperture size 5000x6000mm. Curtain wall screen with Double Door. Glazing to be 6mm clear toughened outer, 16mm cavity with argon, 6mm clear toughened softcoat inner. Double door no mid rail. Door to have Hewi cranked pull handles to both sides and hooktype cylinder deadlock with internal thumbturn. Doors are outward opening. Manifestation to be Specific Logos.

EXTERNAL DOORS
Commercial Smart Wall doors are set into a 50x 100mm box outer frame. Powder coated to a standard colour - **Paint spec to be marine grade**. Pivot hinged with concealed overhead closers - 90 degree hold open closers, Anti-finger trap hinge stiles. Drained mobility threshold fitted.
A standard hook type cylinder deadlock (or cylinder/thumbturn) is included.
A nylon pull handle is fixed to each face.

EMERGENCY EXIT DOORS
Commercial Quality Aluminium, Powder Coated to a standard colour, fully insulated panels of PVf2 finish. Emergency exit doors are provided with the appropriate signage.

PLANT ROOM
Aluminium louvred panel with mesh in standard colourcoat. Door to have a hooktype cylinder deadlock with internal thumbturn. Hewi cranked pull handles to outside only to both leaves. Doors are outward opening.

INTERNAL DOORS
Internal door sets are generally 926 x 2040, flush panel Oak veneer finish solid core doors set into a painted softwood casing, with square edge profile MDF architraves. Doors are hung on 2 pairs 100mm ball race hinges and have stainless steel round bar lever handles on a round rose.

Where specified as ½ hour fire rated, the door is a 30 minute rated fire door and the frame incorporates intumescent brush strips. Fire doors have Ryobi overhead closers. Doors are hung on 2 pairs 100mm ball race hinges and have stainless steel round bar lever handles.
All doors have euro cylinder locks.
Where specified door vision panels are 200 x 1450 glazed Pyrodur clear non-wired safety glass, offset to the handle side.

Door signs as standard are fixed to W.C. doors only these being black pictogram on SS plate.

PARTITIONS
- Tapered edge
- 72mm Gypframe metal stud
- 12.5mm P/Board
- Flush wall with a painted finish

Internal skirtings are painted MDF square edge profile, refer also to floor finishes.

The db rating area indicated is for the partition construction which is based upon data given in the 'Gypsum Technical White Book'. Whilst every effort is made to achieve the indicated levels we do not accept liability for any deviation to this figure.

FLOOR FINISHES
- Polysafe Arena safety vinyl to the WC's and plant room (5091 Flagstone Grey)
- Polysafe Hydro Evolve safety vinyl to the DDA shower (colour 4253 Colorado)
- Polyflor Expona Flow to main GF circulation areas and breakout room (9859 Dark Industrial Concrete)
- Forbo Teviot carpet tiles to staircase and 1st floor corridor and store (colour Dark Grey)
- Skirting are painted MDF square edge profile size 70x14 with coved skirtings to WC's and Shower
- Fix nosings to stairs and trims where required.

CEILINGS
- Plasterboard ceiling
- 2700mm Height
- Vinyl faced Plasterboard finish

DECORATION
Standard colours identified- alternatives available, subject to agreement.

Main body colour - Factory - Anthracite RAL 7016
Main body colour - Site - Anthracite RAL 7016, Seren Copper, Seren Gold
Roof fascias - Anthracite RAL 7016
Roof sheeting - Factory - Albatross 18 B 17
Roof sheeting - Site - Anthracite RAL 7016
Gutters & down pipes - Anthracite RAL7016
Windows - Anthracite RAL7016
External doors - Anthracite RAL7016
Internal wall finish - White
Ceilings - Black c/w black trims, White c/w white trims
architraves, cills - White Gloss
Internal doors - Oak
Skirting - White Gloss (TBC on Site, primed in factory)
External Skirting - Red Engineering Brick

Painting spec to external joinery - one primer coat, one under coat, two gloss coat.

INTERNAL STAIRCASE
- Timber
- Stainless Steel Handrails
- String painted white gloss
- Riser good face ply varnished

Stairs are designed to meet the requirements of Building Regulations Part M

EXTERNAL STAIRCASE.
Tanalised timber staircase to match existing.

MID FLOOR CLOSING PANELS
Plastic coated steel insulated panels close the space between upper and ground floor units, around the building perimeter. Panels are colour matched to the main body colour.

GENERAL ITEMS/ FIXTURES AND FITTINGS INCLUDED IN OUR OFFER.

ROLLER BLINDS
Blinds to be manufactured using roller blind system with heavy duty, extruded tube and geared clutch control unit. Stainless steel operating chain with base of loop contained within safety restraining box.
Heavy duty, steel support brackets with white powder coat finish. Unless otherwise specified, fabric cover to be from the Louvolite Carnival - Chartreuse, flame retardant to BS5867 part 2: 1980.
All control cords to be fitted with anti-ligature fittings.

MIRRORS
600mm x 450mm, one over each WHB
1000mm x 450mm, set 600mm above f.f.l. opposite the WHB in disabled W.C.

KITCHEN FIXTURES
All from the Greenwich Range by howdens.
Units Colour - White gloss
38mm Square edge work top, colour - Oak.

Units include:-
1000 Base unit - Qty 1No
1000 Wall cupboard - Qty 2No
500 - 4 Drawer - Qty 1No
500 Base unit - Qty 1No
Worktop - Qty 4m

SPLASH BACKS
Bioclad Hygienic cladding at 300mm high to the back of worktop - colour Vivid Lime

SHOWER WALL TILING
Bioclad Hygienic cladding at 2700mm high to all DDA shower area allowing for thermoformed corners and welded joints.

IPS SYSTEM
- Wernick
- Flash gaps are Graphite Grey Colour (U961 ST27)
- Panels to sink and DDA all are Graphite Grey Colour (U961 ST27)
- Panels to WC are Natural Aragon Oak (H1372 ST22)

SHOWER TRAY
900x900 preformed shower tray.

SOLAR MODULES
003, Flextron, 358mm x 5067, 240w, junction box underneath module - Qty 97No.

LIVING WALL
Installation of 15m² (total area) Easiwall Pro System. Automated irrigation system, inc tap timer, valves, drip-lines, assoc. fittings and drainage.

Wernick BUILDINGS
TECHNICAL SERVICES DEPARTMENT
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Port Talbot, SA13 2PE
Tel: 01656 747340
Fax: 01656 747375
e-mail: technical@wernick.co.uk
Web-site: www.wernick.co.uk

CLIENT
Specific
Swansea University

PROJECT TITLE
Active Office

DRAWING TITLE
Proposed First Floor Plan

DRAWN	CHECKED	USER
cl	DP	

ORIGINAL SCALE	DATE
1:50@A1	02.11.2017

CONTRACT NO.	DRAWING NO.
17-145	10157-1-002G

Wernick GROUP
WB511