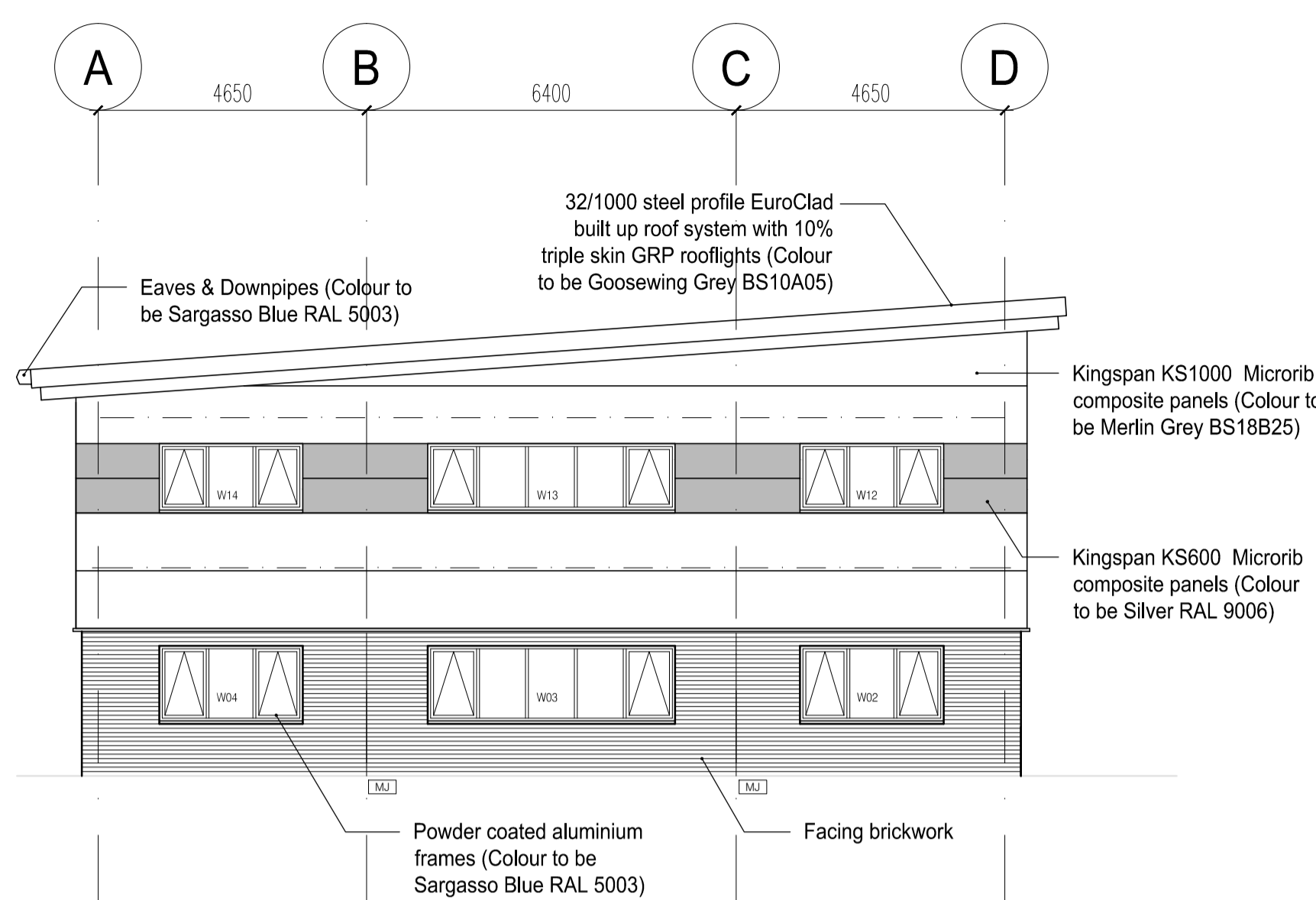
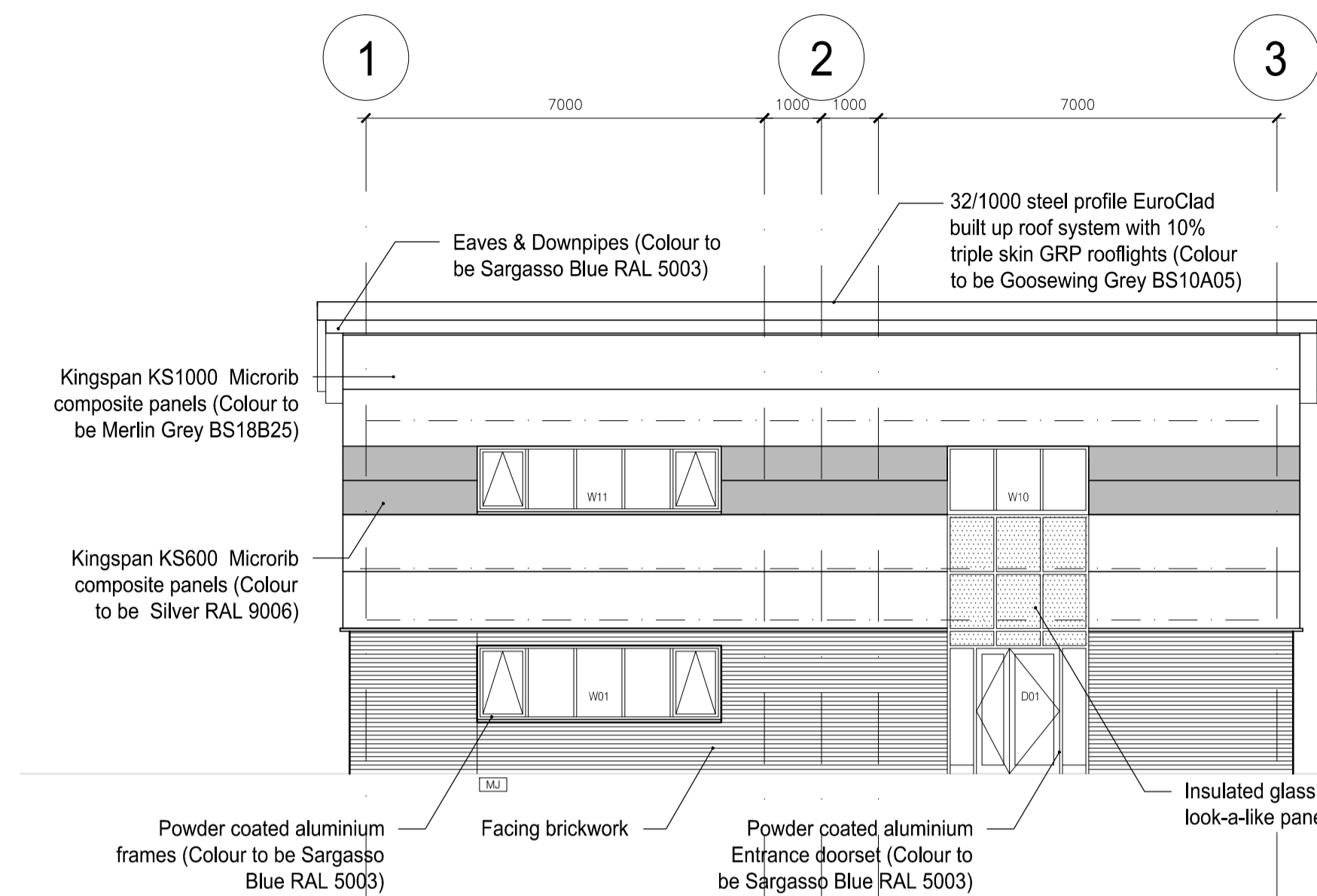


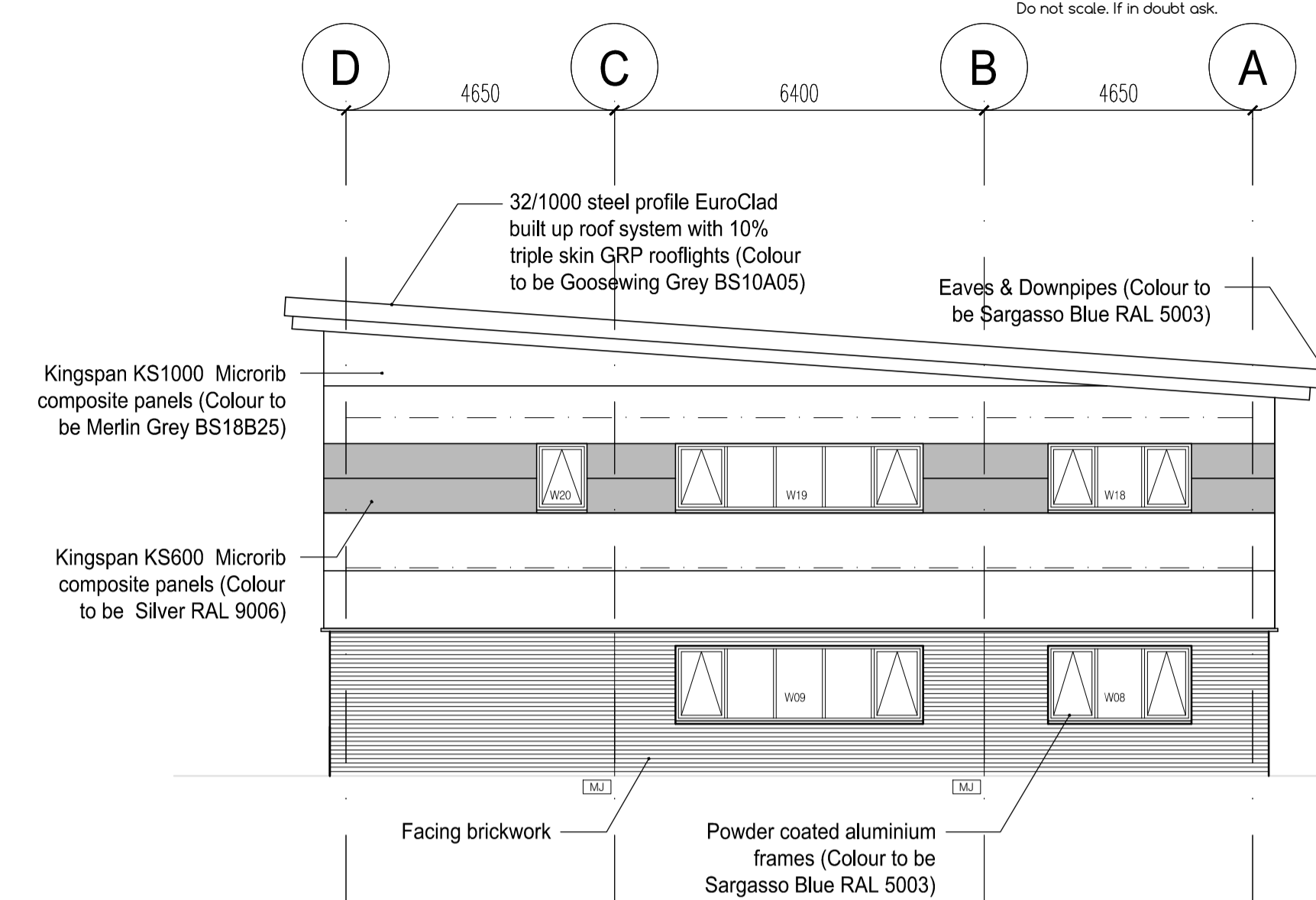
Notes
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 company.
 Figured dimensions only are to be taken from this drawing.
 Do not scale. If in doubt ask.



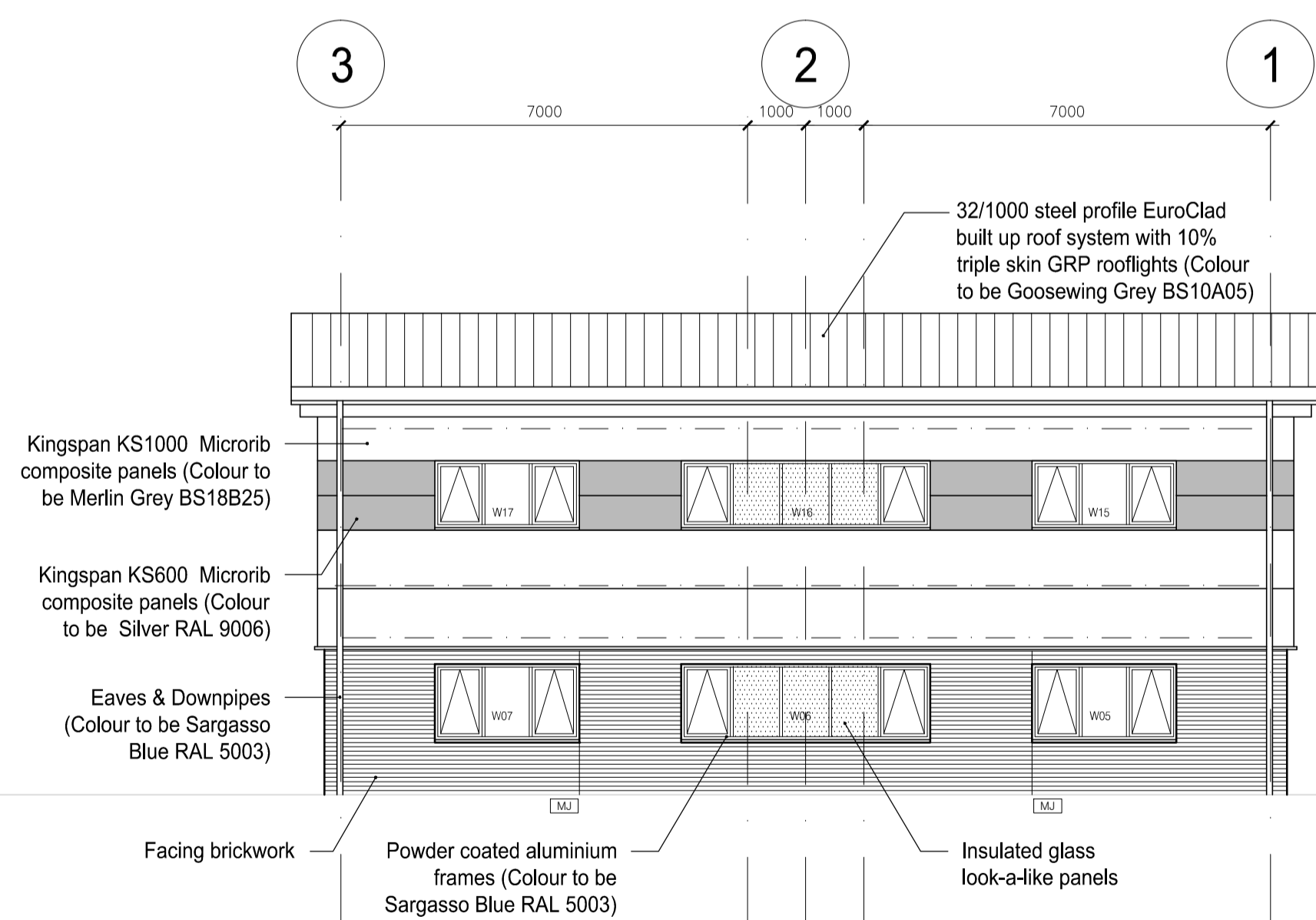
South Elevation



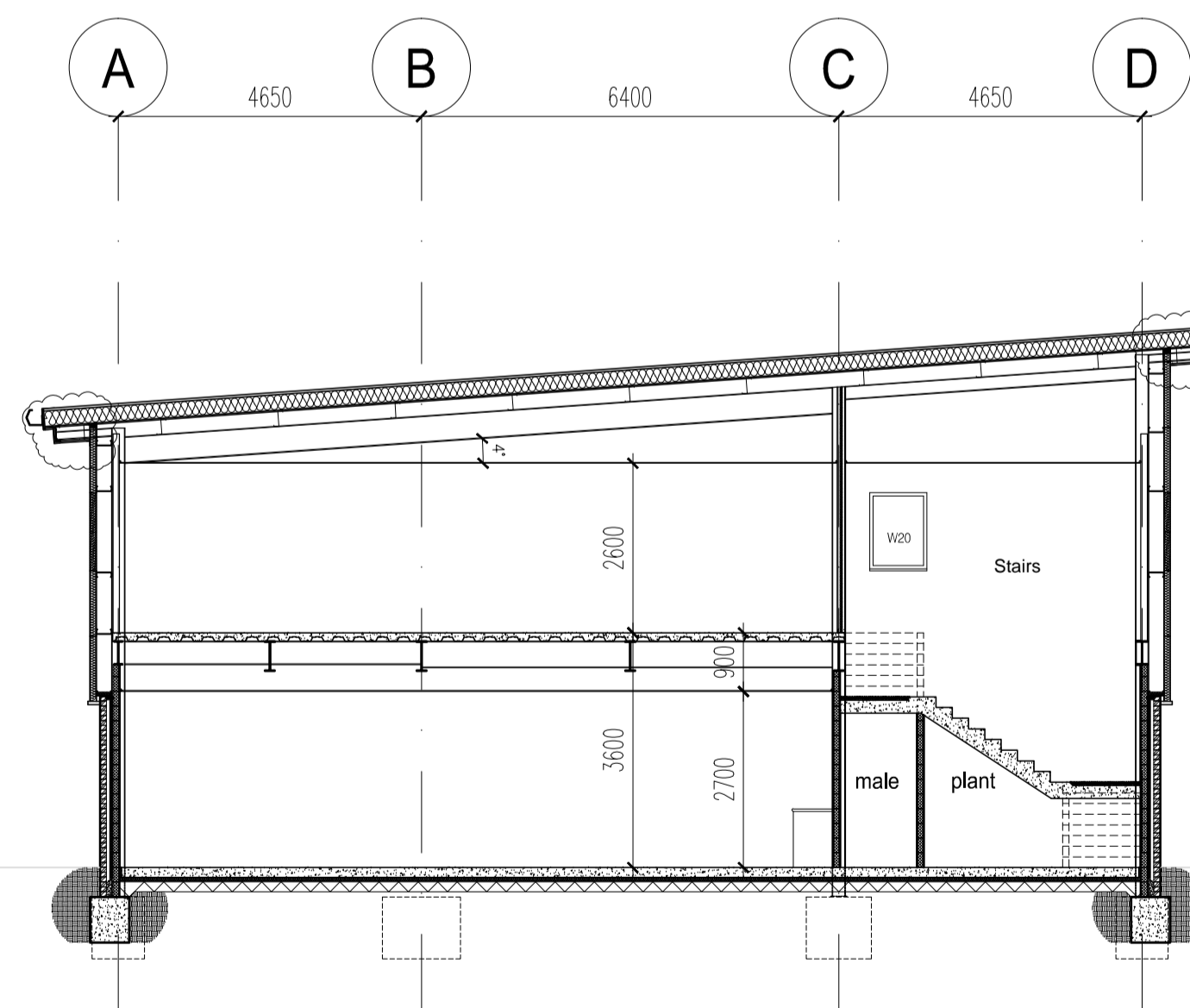
East Elevation



North Elevation



West Elevation



Section B-B

Foundations.

All foundations to be to Structural Engineer design and detail (See Hannah Reeds dwg No. D214094/1 & D214094/2).
 Foundations to be taken down to suitable load bearing strata and below level of any adjacent drains or existing foundations within 1.0m of building to the satisfaction of the Local Authority Building Control Officer.

Structural Frame.

All steel work to be designed and detailed by a Structural Engineer (See Nationwide Structures's dwgs No. C699-GA01 to GA04), who will submit the relevant calculations.
 All exposed structural steel work to have intumescent paint protection, providing 60min fire protection.

Ground Floor Construction.

150mm thick RC40 concrete floor slab with 1 No. layer A142 mesh reinforcement in centre, all to the Structural Engineer's design and detail (See Hannah Reeds's dwg No. D214094/1 & D214094/2), laid on 50mm Celotex GA4000 insulation board on 1200 gauge visqueen dpm, on 150mm well compacted type 1 granular material blinding with lines.

First Floor Construction.

Kingspan Multideck MD60-V2 x 0.9mm comprising of 60mm trapezoidal deck profile with 130mm overall concrete slab depth. Multideck fixed to top of steel beams. Maximum unropped spans of 4.5m. All to give minimum 1 hour fire rating. (See Raised Floor Solutions's dwg No. 2014/F1447-01).

External Walls.

External Cladding 1 - Wall cladding to be 100mm Kingspan KS1000 Microrib composite wall panels installed horizontally to provide max U-value of 0.21 W/m²K. Installed to manufacturer's details and specification. Colour to be Merlin Grey BS18B25.

External Cladding 2 (staged on drawing) - Wall cladding to be 100mm Kingspan KS600 Microrib composite wall panels installed horizontally to provide max U-value of 0.21 W/m²K. Installed to manufacturer's details and specification. Colour to be Silver RAL 9006.

Masonry walls - Outer leaf to be 102.5mm facing brickwork, specified by Architect.
 97.5mm thick cavity with 50mm thick Celotex CW 4000 PIR insulation board, 100mm blockwork inner leaf, 15mm Carlite dot & dab plaster and skim finish. Walls to be built in cement mortar 1:3 below dpc, and in cement lime mortar 1:1:6 above dpc, level.

Cavity to external walls to extend 150mm below lowest dpc, and be filled with weak mix concrete below that level.

Inner and outer leaves of cavity walls to be tied together with Stainless Steel wall ties to BS 1243 Type 3 vertical ties or Ancon Clark HRT 4 safety ties at 900mm centres horizontally and 450mm centres staggered vertically to brickwork. Ties to be provided at 225mm centres vertically at all joints and openings. Cavities to be closed at eaves, verges and around all openings. Jambos to have Thermabate or similar cavity closures.
 1200 gauge visqueen dpm to be lapped onto horizontal dpc's to wall. All dpc's to be keyed 2000 gauge polyethylene to BS 6515. Tray dpc's to be provided over all openings with stop ends, weep holes and plastic sleeves.

Internal Walls.

Stud partition walls to first floor to be 70mm S 50 Gyplframe 'C' stud with 2 layers of 12.5mm wallboard to either side and 50mm Iso wool APR 1200 insulation in cavity.

Stud partition wall to inside perimeter of first floor to be 70mm S 50 Gyplframe 'C' stud with 1 layer of 12.5mm wallboard to internal face.

Separating wall between Core Area & Open Plan Office to be 70mm stud wall S 50 Gyplframe 'C' stud with 2 layers of 12.5mm wallboard either side and 50mm Iso wool APR 1200 insulation in cavity to achieve FR30 fire rating.

Internal blockwork non loadbearing partition walls to be in 100/140mm concrete blockwork to BS 6073 part 1. Compressive strength of 7N/mm². All blockwork walls to core area to receive 12.5mm plasterboard and skim finish both sides.
 Blockwork walls to open plan office to be fair faced, paint grade to a height of 2.25m.

Lintels.

Openings in external masonry walls to have 'Catic' or other approved galvanised insulated steel lintels over with min. 150mm end bearing. Lintels with exposed internal masonry above to have cavity tray dpc over to BS 6206 to extend not less than 150mm beyond ends of lintels.
 Cavity trays to be 'Ruberoid Hyload' or similar.

Openings in internal walls to have 'Naylor' R6 pre stressed concrete lintels over with min. 150mm end bearing, ready to receive plasterboard and skim finish.

Windows.

All windows to be polyester powder coated aluminium windows by specialist manufacturer, double glazed with 28mm sealed units to BS 6262: 1992 with Pilkington 'K' Low Emissivity glass and fully weather stripped. Frame Colour to be Sargasso Blue (RAL 5003).

Glazing.

All glazing below 800mm from finished floor level, or glazing to doors or within 300mm of a door and below 1500mm above finished floor level around doors, to be approved safety glass to BS 6206 except small panes not exceeding 0.5m² and 250mm wide.

Roof Construction.

Built up roof construction to be EUROCLAD 32/1000 forward profile 0.7mm gauge on 240mm EUROBAR bracket & support bar with 240mm insulation quilt between, on EUROCLAD 19/1000 steel liner sealed as per manufacturer's recommendations. Colour to be Goosewing Grey BS10A05.

Ventilation.

Sanitary Accommodation: Mechanical Ventilation to provide minimum extract of 6litres/second per WC or urinal. Controlled by movement sensor with 15minute overrun.

Open Office Area with Opening windows: Background ventilation to be provided by trickle vents in windows to provide minimum of 250sq mm per sq m of floor area. Minimum 2500sq mm total per room. Purge Ventilation to be provided by opening windows to naturally ventilated rooms.

Drainage.

Sinks, and wash hand basins to have 75mm deep seal anti-vac traps.
 Sinks to have 38mm diameter pvcu wastes. Wash hand basins to have 32mm diameter pvcu wastes.
 W.c.'s to have 100mm diameter wastes.
 Variable boss branch to be provided to connect w.c.'s to soil pipe.
 W.c.'s to be connected to stub stacks with air admittance valves where indicated, or syp's.
 Head of drain run to be vented to atmosphere via external vent pipe terminating 900mm minimum above any ventilation opening within 3.0m.
 Drains under and within 1.0m of building to be bedded and surrounded in Class B granular fill. Pre cast concrete lintels to be provided where drains pass through walls.

Fire Precautions.

Emergency exit and fire signs to comply to BS 5499 part 1. Portable fire fighting equipment and fire escape doors to be to the satisfaction of the Fire Officer.

Fire doors to be FD30's with smoke seals and intumescent strips with automatic door closers.
 Vision panels to be 500mm to 1500mm from FFL in Pilkington Pyroshield clear safety glass to conform to BS 6206.

No glazing below 1100mm in fire resisting partitions, glazing to be Pilkington Pyroshield clear safety glass to conform to BS 6206.

Escape Lighting.

All escape routes to have adequate artificial light & be on a separate circuit from that supplying any other part of the escape route. All Escape lighting to comply to BS 52266-1:2006.

Rev:	Date:	Drawn:	Description:
A	27/01/14	apd	Revised to Client requirements.
B	10/03/14	apd	Cladding heights and section revised, windows revised, adjacent g2.
C	10/03/14	apd	Revised heights, revised floor profile, revised to 46g.
D	02/03/14	art	Revised to latest plans, notes, opening lights & Window/door fire sealed.
E	07/04/14	art	Cladding profile/heights colours revised & confirmed.
F	22/04/14	art	Notes revised to client requirements.
G	05/04/14	art	Look-a-like panel arrangement revised to W10 on East Elevation.

Self Architects

Client: **HP Construction**

Project: **Office Unit
Hydra Business Park**

Title: **Proposed Elevations & Section**

Scales: **1:100 @ A1** Drawn by: **apd/art** Date: **Feb. 2014**

Drawing no: **4109-02** Rev: **G** Checked: **---**

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SCHEME DESIGN