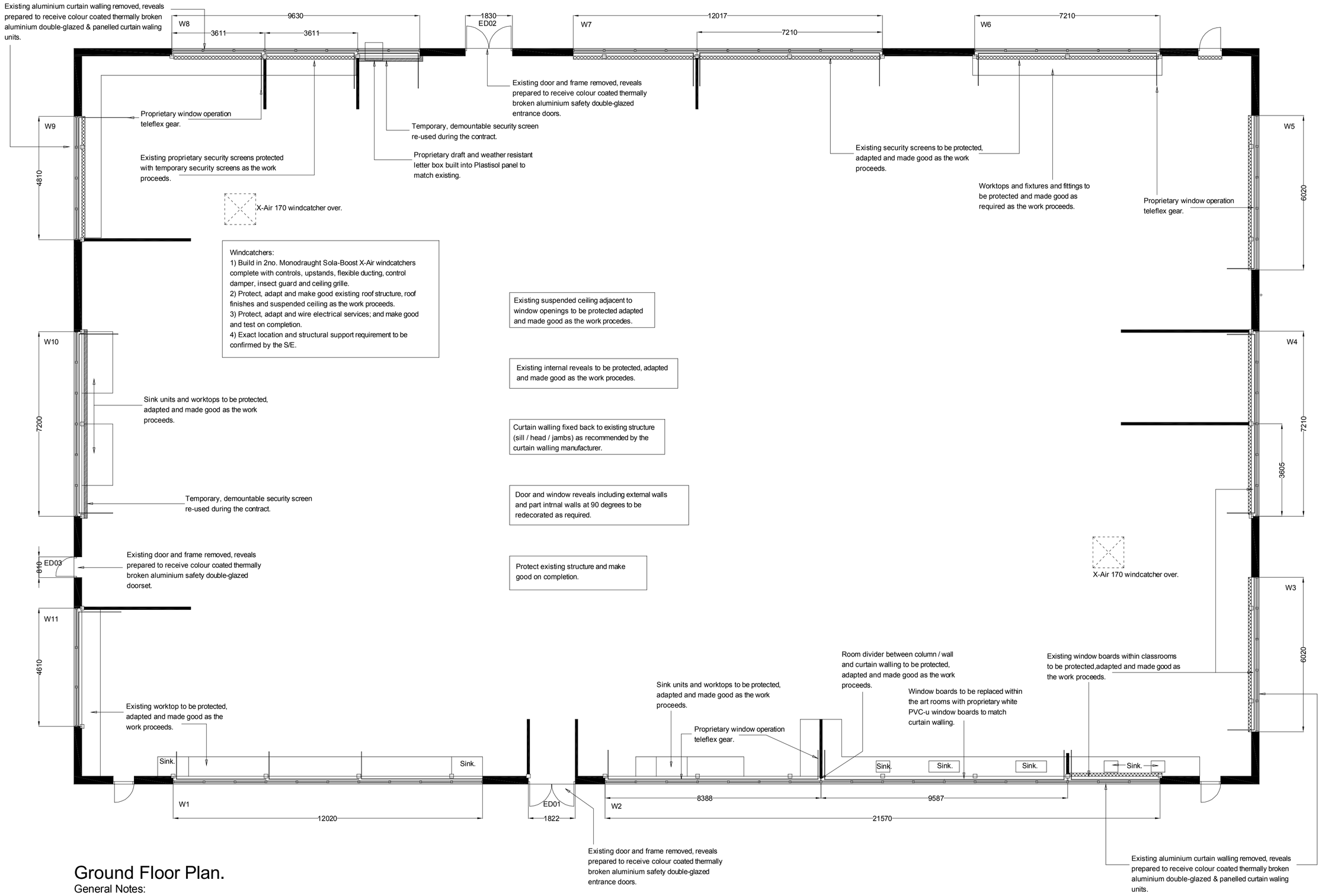

Ground Floor Plan.

General Notes:

1) All structural openings to be checked on site by the general contractor and confirmed in writing to the specialist curtain walling manufacturer prior to fabrication.
2) The specialist curtain walling manufacturer is to carry out a site inspection and check all structural opening dimensions prior to fabrication.
3) Existing door and window reveals, blinds, suspended ceiling perimeters, steelwork, security screens and walls protected, adapted and made good as the work proceeds.
4) The contractors working area to be fenced off during construction.
5) The contractor is to provide temporary fire equipment during the contract.
6) Classrooms to be vacated as required during construction.
7) The contractor is to provide temporary screens during construction.
8) Contractor to provide and hand over to the client all warranties and maintenance information on completion.

Windcatcher Units:

Manufacturer: Solar assisted natural ventilation system, with polycrystalline solar panels and solar driven fan. Monodraught; T: 01494 897700; website: www.monodraught.com
Reference: Quotation Q00004657 + additional amendments
Type: 2 no. Sola-Boost X-Air 170 system
Controls: 2 no. Mondodraught iNVent Panel; fully automatic control system with night time cooling facility; supply with: fire alarm, comfort cooling and heating system interlocking facilities, external rain sensor and external temperature sensor, and transformer.
Sizes: Unit 170 - 1200 x 1200 x 1600mm ht; grille - 1100 x 1100mm.
Colour: Medium grey.
Accessories: Pre-formed upstand, flexible ducting, motorised low leakage volume control damper, eggcrate grille for suspended ceiling.
Notes:
1) Structural support will be required to form openings through existing roof; S/E to provide details and calculations as required.
2) Control unit wired and tested by electrical sub-contractor.
3) Commission and test installation on completion and provide warranties for issue to the client.

Block 2 Windcatcher Roofing Works:

All specification notes to be read in conjunction with current British and European Standards, Codes of Practice, Building Regulations and Local Authority Standards and IEE Standards.

1) Generally:
1.01) The general contractor is to record (photographs) the existing roof and suspended ceiling conditions.
1.02) Access and location of Block 2 temporary contractors compound to be confirmed at the pre-contract meeting. The general contractor is to provide temporary 2.4M high open mesh and / or 1.5M high cleft-chestnut and wire fencing complete with safety notices as required.
1.03) The general contractor is to provide scaffolding locally to the area of alteration with easy access and lifting gear.
1.04) The general contractor is to adequately protect the existing roof from inclement weather and keep thoroughly dry for the duration of the contract.
1.05) The general contractor is provide temporary security ply covers where holes are left over night or unattended during alterations.
1.06) The general contractor is to liaise closely with the S/E consultant who will provide the required structural support design, to support the windcatchers.
1.07) The general contractor is to carry out a survey with the specialist roofing contractor to ensure that required works meet with the specification.
1.08) Contractors roof working area is a Hard Hat Zone.
1.09) Remove scaffolding on completion and make good hard and soft landscaping to site manager and CA approval.

2) Windcatchers:
2.01) The exact location of windcatchers to be confirmed on site in consultation with general contractor, M&E, S/E and CA consultants and site manager.
2.02) Protect existing building roof finish and sub-structure, structural frame and suspended ceiling; adapt and make good as the work proceeds to match existing.
2.03) Protect existing services; adapt, make temporary connections, as required; make good and test on completion.
2.04) Protect, adapt and make good existing felt finish and built up roofing insulation as the work proceeds.
2.05) Carefully form opening within roof structure, adapt and build in structural supports to S/E details and prepare to receive windcatcher.
2.06) Carefully form opening within existing suspended ceiling, adapt and build in windcatcher complete with ceiling grille, and make good suspended ceiling to match existing.
2.07) Supply and fix 2no. proprietary windcatchers complete to suit existing flat roof and make good on completion.
2.08) Supply and wire windcatchers and test and certificate on completion.
2.09) Protect existing felt roof finish, adapt built up abuttments to windcatchers and make good on completion.
2.10) Test roof installation alterations on completion, to site manager and CA approval.
2.11) Clean and leave roof tidy to site manager and CA approval.
2.12) Remove scaffolding on completion and make good existing hard and soft landscaping to site manager and CA approval.

3) Additional Notes:
3.01) Isolate services and make temporary connections as required.
All electrical work required to meet the requirements of Part (Electrical Safety) must be designed, installed, inspected and tested by a person competent to do so.
Prior to completion the Council must be satisfied that Part P has been complied with. This may require an appropriate BS7671:2001 electrical installation certificate to be issued for the work by a person competent to do so.
3.02) The general contractor is to supply windcatcher warranties etc. for hand over to the site manager on completion of Phase 1 works.

Block 2 Description of Works:

All specification notes to be read in conjunction with current British and European Standards, Codes of Practice, Building Regulations and Local Authority Standards and IEE Standards.

1) Block 2 Curtain Walling:
1.01) Protect existing Block 2 building both internally and externally, floor, wall and ceiling finishes; adapt and make good on completion to match existing.
1.02) Protect existing above ground services; adapt, make temporary connections, as required; make good and test on completion.
1.03) The general contractor is to carefully move fixtures and fittings as directed by the site manager / client / CA and relocate as required, or as otherwise instructed.
1.04) Carefully remove existing curtain wall units W1, 2, 3, 4, 5, 6, 7, 8, 9, 10 & 11 in a phased sequence agreed with the school and cart away for re-cycling.
1.05) Protect existing roof perimeter trim and carefully remove existing high level white PVC-u horizontal boarding above windows and cart away; adapt roof trim and make good as required.
1.06) Carefully adapt and make good existing opening reveals, protect with dust sheets and prepare to receive new curtain walling.
1.07) Carefully protect and adapt suspended ceiling window bulkhead and make good and redecorate on completion.
1.08) Carefully protect existing security screens and make good and redecorate as required on completion.
1.09) Carefully protect, adapt and make good existing internal partitions at 90° to and in line with curtain walling to match existing.
1.10) Carefully protect, adapt and make good internal fixtures and fittings (worktops, bookshelves and sinks etc) to match existing.
1.11) Carefully protect and make good radiators.
1.12) Carefully protect and adapt existing DPC / DPM and make good as the work proceeds.
1.13) Carefully build in colour coated safety double-glazed curtain walling complete with overclad panel, Teleflex gear and draft and weather proof letter box (W8); test installation on completion; all fixed in place with non-ferrous or S/S fixings in strict accordance with the manufacturer's instructions.
1.14) Perimeter seal curtain walling internally and externally with proprietary white sealant as required.
1.15) Protect, adapt or replace existing window boards with proprietary white PVC-u bullnose window boards to match; allow for cutting around steel square hollow sections and security screens.
1.16) Allow for white PVC-u bull nose trims internally to window reveals.
1.17) Allow for redecorating window walls only to match existing; clean and apply 1 mist and two top coats water based eggshell emulsion or equal approved.
1.18) Carefully build in insulated overpanel at the same time as curtain walling; non-ferrous or S/S fixed in strict accordance with the manufacturer's instructions.
1.19) Any damaged curtain walling units or overpanels to be replaced before hand over.
1.20) Clean and leave tidy classrooms to site manager and CA approval.
1.21) Remove temporary fencing and make good existing hard and soft landscaping; leave clean and tidy to site manager and CA approval.

2) Block 2 External Doorsets ED01, 02 & 03:
2.01) Protect existing Block 2 door openings (ED02 with canopy over) including internal and external floor, wall and ceiling finishes; adapt and make good on completion to match existing.
2.02) Carefully remove existing entrance doors and frame and cart away for re-cycling.
2.03) Carefully adapt and make good existing opening reveals, protect with dust sheets and prepare to receive new entrance doorset.
2.04) Carefully protect, adapt and make good to match existing, existing DPC, DPM, screed and vinyl floor finish as the work proceeds.
2.05) Carefully build in colour coated safety double-glazed doorsets, ED01, ED02 & ED03, (ED02 includes overclad panel); fix in place with non-ferrous or S/S fixings in strict accordance with the manufacturer's instructions.
2.06) Seal perimeter internally and externally with proprietary white sealant as required.
2.07) Allow for white PVC-u bull nose trims internally to door reveals.
2.08) Allow for redecorating door wall and reveals to match existing; clean and apply 1 mist and two top coats water based eggshell emulsion or equal approved.
2.09) Clean and leave tidy corridors and classroom affected to site manager and CA approval.

Curtain Walling and Door Key:

- Clear safety glass.
- Solar glass (anti-sun).
- Colour coated Plastisol insulated panel.
- Colour coated Plastisol insulated overpanel panel.

C) Wind catchers shown. JS, 02/07/12.

B) Key revised. MEB, 10/05/12.

A) Windcatcher and temporary screens, notes and specification added. MEB, 1/05/12.

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Project
Wildern School Window, Door and Roofing Refurbishment.

Drawing
Construction Drawing.
Phase: 1
Block 2 - Art and Design.
Proposed Curtain Walling
Floor Plan; sheet 1 of 2.

Project / Dwg. No.
232/12 C

Drawn by / Checked
MEB/

Scale
1:100

Date
April 2012

Client
Wildern School, Hedge End, Southampton, Hants.
SO30 4EJ

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