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INSPECTION CHAMBER.



EXTERNAL LIGHT

EXTRACT

SMOKE

Electrical Key

DETECTOR

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MECHANICAL

All new plumbing is to comply with BS5572/1978. 40mm diameter wastes to be fitted to basins complete with 75mm anti-vac trap and 100mm waste to WCs. All to be connected to existing drainage system in run locations as shown indicatively on plans.

BRASSWARE Bushboard 'No Touch Classic' AT01-001 mixer taps with thermostatic valves as per M+E Engineer's specification. Include for all electrical supplies, transformers and accessories as required.

MASONRY OPENING INFILL (Y3 and Y4 BOYS) Remove existing internal high level glazed screen and construct masonry infill to opening with 3.6N/m standard concrete blockwork. Finish with 12mm wet plaster and 3mm skim, ensuring that finished surface is flush with existing by feathering in.

TIMBER STUD PARTITIONS To be constructed from 75x50 treated SW timber at min. 450mm centres, with 12mm plasterboard and skim. Include for 50mm rockwool flexi insulation. To partitions containing D5 and D8, use 2no. layers of 12mm plasterboard.

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### FOUNDATIONS

750MM X 600MM TRENCH FILL FOUNDATIONS, CONCRETE MIX TO CONFORM TO BS EN 206-1 AND BS 8500-2. ALL FOUNDATIONS TO BE A MINIMUM OF 1000MM BELOW GROUND LEVEL, EXACT DEPTH TO AGREED ON SITE WITH BUILDING CONTROL OFFICER TO SUIT SITE CONDITIONS. ALL CONSTRUCTED IN ACCORDANCE WITH 2004 BUILDING REGULATIONS A1/2 AND BS 8004:1986 CODE OF PRACTICE FOR FOUNDATIONS. ENSURE FOUNDATIONS ARE CONSTRUCTED BELOW INVERT LEVEL OF ANY ADJACENT DRAINS. BASE OF FOUNDATIONS SUPPORTING INTERNAL WALLS TO BE MIN 600MM BELOW GROUND LEVEL. SULPHATE RESISTANT CEMENT TO BE USED IF REQUIRED. PLEASE NOTE THAT SHOULD ANY ADVERSE SOIL CONDITIONS OR DIFFERENCE IN SOIL TYPE BE FOUND OR ANY MAJOR TREE ROOTS IN EXCAVATIONS, THE BUILDING CONTROL OFFICER IS TO BE CONTACTED AND THE ADVICE OF A STRUCTURAL ENGINEER SHOULD BE SOUGHT.

### CAVITY WALL CONSTRUCTION (BRICK FACED)

TO COMPRISE OF 102.5MM THICK BRICK WORK OUTER SKIN FL QUALITY WITH 125MM STRUCTURAL CAVITY WHICH IS TO BE PARTIALLY FILLED WITH 75MM THICK KINGSPAN K8 CAVITY INSULATION BOARD WHICH IS TO BE TIED BACK TO 100MM THICK TARMAC HEMLITE SOLID DENSE CONCRETE BLOCKWORK 3.5N/MM2 COMPRESSIVE STRENGTH USING WALL TIE RETAINING CLIPS AND NEW BLOCK WORK IS TO HAVE LAMDA VALUE OF BETWEEN 0.22 AND 0.32 WHICH GIVES MAX U-VALUE OF 0.28W/M2K.

#### INTERNAL WALLS

ALL NEW INTERNAL WALLS TO PROPOSED NEW EXTENSION ARE TO COMPRISE OF 140MM THICK TARMAC HEMLITE SOLID DENSE CONCRETE BLOCK WORK BUILT OFF 450X225MM CONCRETE STRIP FOOTINGS REINFORCED WITH ONE LAYER OF B503 MESH FABRIC TO TOP AND BOTTOM OF FOOTING WITH MIN 50MM COVER AND WALLS TO BE BUILT UPTO THE UNDER SIDE OF THE NEW FLAT ROOF DECK AND SEALED AT HEAD WITH INTUMESCENT/ACOUSTIC MASTIC.

### EXTERNAL DOORS AND WINDOWS

TO TO SUB-CONTRACTORS DESIGN. TO COMPRISE THERMALLY BROKEN RAMES, POLYESTER POWDER COATED ALUMINIUM IN A RAL COLOUR TBC. FRAMES TO BE INTERNALLY BEADED AND INSTALLED WITH A RATED ARGON FILLED DOUBLE GLAZED UNITS. WHOLE UNIT TO ACHIEVE U VALUE OF 1.8W/M2K.

OPENIGN CASEMENTS TO BE TOP HUNG AND OPEN EXTERNALLY WITH INTEGRAL RESTRICTORS AND REMOTE CONTROLLED ACTUATORS WHERE REQUIRED

# SUSPENDED CEILINGS

TO LIBRARY, WITHDRAWAL, RECPTION, RECEPTION WC, DIABLED WC, GIRLS WC, BOYS WC, LOBBY AND OFFICE AREAS THE CONTRACTOR IS TO INCLUDE FOR SUPPLYING AND FIXING ARMSTRONG DUNE MAX 600X600MM SUSPENDED CEILING TILES SET IN WHITE TEGULAR GRID COMPLETE WITH GALVANIZED HANGING SYSTEM AND TO PERIMETER OF CEILING GRID PROVIDE AND FIX 50X50MM H.W TIMBER SHADOW BATTEN PAINTED BLACK AND WHERE HIGH LEVEL WINDOWS ARE SITUATED INCLUDE FOR SLOPED REVEALS AT WINDOW HEADS WITH NEW CEILING GRID AND TILES. PLEASE NOTE IF SURFACE MOUNTED LIGHT FITTINGS ARE TO BE USED IN NEW CEILING GRID THEN THEY ARE TO BE SUPPORTED BY 600X600X9MM THICK WBP PLYWOOD PANELS AS REQUIRED. SEE ELECTRICAL AND HEATING PLANS FOR APPROX LOCATIONS.

### PLAYGROUND/FOOTPATH CONSTRUCTION

TO COMPRISE OF 25MM THICK 6MM DENSE BITUMEN WEARING COURSE TO BS4987 CLAUSE 7.5WITH 200 PEN BITUMEN ON 45MM THICK 25MM DENSE BASE COURSE TO BS4987 CLAUSE 6.5 WITH 200 PEN BITUMEN ON MIN 150MM THICK MOT TYPE 1 GRANULAR SUB BASE. PATHS ADJACENT TO THE BUILDING ARE TO BE LAID TO FALL AWAY FROM THE BUILDING AT A FALL OF 1 IN 25 MAX.

# **ROOF CONSTRUCTION**

TO ACHIEVE MIN. 0.18W/M2K U-VALUE AND COMPRISE IXO ULTRA PREVENT CAP SHEET OVER IKO UNDERLAY AS REQUIRED OVER IKO TYPE 3G VENTING LAYER OVER NEW CUT TO FALL KINGSPAN TT44 INSULATION OR SIMILAR APPROVED (TO BE DESIGN BY SPECIALIST SUPPLIER TO MEET SPECIFIED U-VALUE). INSTALL IKO VAPOUR CONTROL LAYER WITH CONTINUOUS ALUMINIUM CORE LAMINATE BELOW OVER 18MM WBP PLY DECKING ON 350X100 TJI ROOF JOISTS INSTALLED ON 140X75MM S.W TANALISED TIMBER WALL PLATES / BAT O.P.H. WHOLE ROOF SYSTEM IS TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH RELEVANT SECTIONS OF THE CURRENT EDITION OF BS 8217, BS 6229, BS 8747 AND ARE TO BE COMPLETE WITH A 20 YEAR INSURANCE AND MANUFACTURER BACKED GUARANTEE AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS STANDARD WRITTEN SPECIFICATION.

# GROUND BEARING FLOOR SLAB

TO MEET MIN U VALUE REQUIRED OF 0.22 W/M<sup>2</sup>K SOLID GROUND FLOOR TO CONSIST OF 150MM CONSOLIDATED WELL-RAMMED HARDCORE. BLINDED WITH 50MM SAND BLINDING. PROVIDE A 1200MM GAUGE POLYTHENE DPM, DPM TO BE LAPPED IN WITH DPC IN WALLS. FLOOR TO BE INSULATED OVER DPM WITH 75MM KINGSPAN THERMAFLOOR TF70 FLOOR INSULATION BOARD AND PROVIDE 25MM INSULATION TO CONTINUE AROUND FLOOR PERIMETERS TO AVOID THERMAL BRIDGING. A 1000 GAUGE VCL SHOULD BE LAID OVER THE INSULATION BOARDS AND TURNED UP 100MM AT ROOM PERIMETERS BEHIND THE SKIRTING, ALL JOINTS TO BE LAPPED 150MM AND SEALED, PROVIDE 150MM ST2 OR GEN2 GROUND BEARING SLAB CONCRETE MIX TO CONFORM TO BS 8500-2 OVER VCL. FINISH WITH 50MM SAND/CEMENT FINISHING SCREED WITH LIGHT MESH REINFORCEMENT WHERE DRAIN RUNS PASS UNDER NEW FLOOR, PROVIDE A142 MESH 1.0M WIDE WITHIN BOTTOM OF SLAB MIN 50MM CONCRETE COVER OVER LENGTH OF DRAIN.

## FLOOR FINISHES

REMOVE EXISTING FLOOR FINISH AND CART AWAY. SUPPLY AND FIX FLOORING IN AREAS AS SHOWN HATCHED. SHEET VINYL FLOORING TO BE POLYFLOR POLYSAFE PUR VERONA IN COLOUR TBA WITH COVED SKIRTING. CARPET OT BE DESSO SAND 500X500MM CARPET TILES. BARRIER MATTING TO BE BURMATEX GRIMEBUSTER WALL FINISHES

TO BE TRADITIONAL 2 COAT WET PLASTER AND DECORATED WITH 1NO. UNDERCOAT AND 2 NO COATS JOHNSTONES ENDURA MATT EMULSION ON COLOUR TBC

#### IPS / VANITY UNITS

ELECTRICAL

Construct carcassing from treated 50x50mm SW timber and clad with Bushboard or similar 13mm Solid Grade Laminate panel cladding (Panel Only), in configurations as shown on details. Removable panels to be fixed using galvanise or stainless steel concealed hook fitting mounted to panel rear. Colours to be agreed. SPLASHBACKS

To be Bioclad or similar approved PVC cladding above wash troughs, adjacent to urinals and below hand dryers, as detailed. Include for colours from 'Vivid' range.

Provide new power supplies to hand dryer positions as indicated on plans - hand dryer units to be supplied free issue by employer. Include for fixing said units to wall and final fixing electrical supply.

GENERAL NOTES Where boxing in pipework, all boxing is to be accessible with cup screws and caps unless otherwise stated. All fittings are to be connected to the relevant services.

All products are to be installed in strict accordance with the manufaturer's instructions and recommendations.

All disturbances incurred through the works are to be made good to the satisfaction of the Architect (including decoration).

The site is to be left clean and tidy and free of builder's rubble



Tel: 01782 208000 Fax: 01782 208712 E-mail: info@woodgoldstraw.co.uk www.woodgoldstraw.co.uk

ST FILUMENAS RC SCHOOL, CAVERSWALL

### Proiect. PROPOSED INTERNAL ALTERATIONS AND EXTENSION

<sup>Scale</sup> 1:50, 1:5 Sheet Size Drawn A0 Title

CAD file path:

Issue Date 03/05/2016

GA Plan

Drawing Number 3004-13-05C - WIP C - WIP

X:\1 A CAPPER'S TEAM\1 RC SCHOOL\CAVERSWALL - ST FILUMENAS RCS\3004-13 ICT RESOURCES ROOM\ST FILUMENA'S - tender 2.pln Copyright. Wood Goldstraw Yorath LLP

Contractors are to check all dimensions on site and refer any discrepancies to the Architects immediately. Do not scale from this drawing.