DRAWING REGISTER / ISSUE SHEET

SHEET No..1. OF ...1.

PROJECT TITLE KINGDOM HALL, LITTLEFIELD LANE, WOMBWELL

PROJECT REF SS 847A GROUP/SECTION ARCHITECTS

DATE OF ISSUE/REVISION

DRAWING TITLE	SIZE	SCALE	DRWG No.	CAD FILE	24/1/11	24/1/11
LOCATION PLAN	A3	1:1250	01	OS PLAN.dwg	/	/
EXISTING PLAN	A1	1:50	02	Existing Plan.dwg	/	/
EXISTING SITE PLAN	A1	1:100	03	Existing Plan.dwg	/	/
PROPOSED PLAN	A1	1:50	04	Existing Plan.dwg	/	/
PROPOSED SITE PLAN	A1	1:100	05	Existing Plan.dwg	/	/
NEW KITCHEN LAYOUT	A2	1:20	06	Existing Plan.dwg	/	
NEW CARE SPACE LAYOUT	A2	1:20	07	Existing Plan.dwg	/	
DOOR SCHEDULE	A1	1:20	08	Existing Plan.dwg	/	
NEW CONSERVATORY EXTENSION	A1	1:20	09	Existing Plan.dwg	/	/
RAMPS 1	A1	1:50	10	Existing Plan.dwg	/	/
RAMPS 2	A1	1:50	11	Existing Plan.dwg	/	/
LIGHTING AND POWER LAYOUT	A1	1:50	EL(6)01KH	–	/	
SECURITY LAYOUT	A1	1:50	EL(6)02KH	–	/	
FIRE ALARM LAYOUT	A1	1:50	EL(6)03KH	–	/	
MECHANICAL SERVICES LAYOUT	A1	1:50	ML(5)01KH	–	/	
All drawings are saved in						
G:\DATAFILE\SS_847_KINGDOM HALL\.....						

NOTES (i) 'P' = PROVISIONAL
'/' = COMPLETED ORIGINAL
'A' ETC = REVISION STATUS
(ii) ORIGINAL SHEET TO BE RETAINED ON PROJECT FILE

WI-IN-104 (F) SEPT 1993

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BUILDING CONTROL: –	BMBC	4	
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PROJECT
KINGDOM HALL
LITTLFIELD LANE
WOMBWELL

DRAWING
DRAWING SCHEDULE

Drawn		Revision
ab		

Scale	Date
	Dec 2010

Project Code	Drawing No.
SS 847A	00

C.A.D File Name
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Layer State



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PROJECT
KINGDOM HALL

DRAWING
LOCATION PLAN

SS 847A

Drawn		Revision
HWA		

Scale	Date
1: 1250	AUG 10

Project Code	Drawing No.
	01

SCHOOL 1

13no. 30x30x90mm deep holes in concrete floor where seating units have been removed

ALCOVE

STORE

KITCHEN

Existing Boiler position

CHANGING SPACE

FEMALES

MALES

STORE

CLOAKS

LOBBY

ENTRANCE LOBBY

ENTRANCE

Existing 1000mm wide concrete ramp

LOBBY

Ceiling height

CLOAKS

DISABLED

Electrical distribution board.

Electric and gas meter cupboards

880x1200mm approx window 850mm from floor level

62no. 30x30x90mm deep holes in concrete floor where seating units have been removed.

Suspended ceiling to fall perimeter of Main Hall

2570

60mm wide timber moulded dado at 1100mm from floor (to top)

125mm timber skirting.

MAIN HALL

2no. 1125x375mm windows at high level

STAGE

EXISTING PLAN

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PROJECT
KINGDOM HALL
LITTLEFIELD LANE
WOMBWELL

DRAWING
EXISTING PLAN

Drawn		Revision
RB		

Scale	Date
1: 50	NOV 10

Project Code	Drawing No.
SS 847A	02

LITTLEFIELD LANE

EXISTING 840MM DEEP MANHOLE

RETAINING WALL WITH CHAINLINK FENCE ON TOP

EXISTING 550MM DEEP MANHOLE

EXISTING 450MM DEEP MANHOLE

GRAVEL

PLANTING

BLOCK PAVING

SCHOOL 1

SCHOOL 2

STORE

KITCHEN

CHANGING SPACE

FEMALES

MALES

STORE

CLOAKS

LOBBY

ENTRANCE LOBBY

CONCRETE

GATE IN CHAINLINK FENCE.

CHAINLINK FENCE ON TOP OF WALL.

ENTRANCE

LOBBY

DISABLED

CLOAKS

MAIN HALL

STAGE

EXISTING 1200MM DEEP MANHOLE

EXISTING MANHOLE

CHAINLINK FENCE

RETAINING WALL WITH CHAINLINK FENCE ON TOP.

RETAINING WALL WITH CHAINLINK FENCE ON TOP.

101.085
100.125
99.975
100.255
100.335
101.095
101.400
101.140
101.225
101.135
101.220
100.455
100.565
100.585
100.645
100.615
100.705
100.685
100.530
100.640
101.085
101.220

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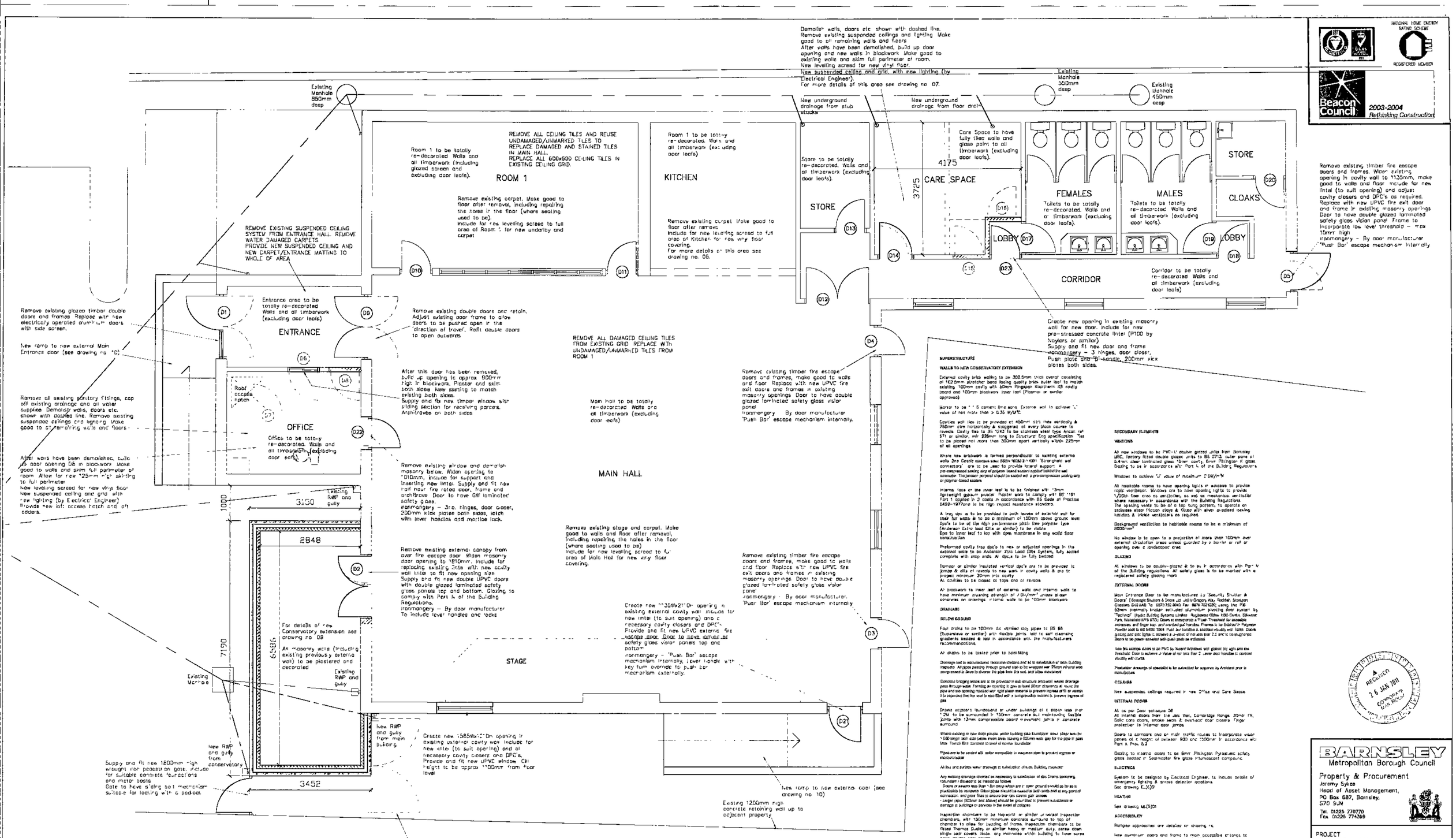
PROJECT
KINGDOM HALL
LITTLEFIELD LANE
WOMBWELL

DRAWING
EXISTING SITE PLAN

Drawn		Revision
ab		

Scale	Date
1: 50	NOV 10

Project Code	Drawing No.
SS 847A	03



PROPOSED PLAN

ALTERATION & EXTENSION OF KINGDOM HALL
OUTLINE SPECIFICATION

GENERALLY

All work is to be carried out in accordance with good trade practices & current British Standard Codes of Practice. Materials are to conform to the relevant provisions of or appropriate British Standard.

All work is to be carried out in compliance with the provisions of the Building Regulations 2004. Standards for workmanship and workmanship are to comply with the requirements of Regulation 7.

Building is to be constructed so that there are no significant thermal bridges or gaps in the insulation. Domestic type construction as per Thermal Details

SUBSTRUCTURE

FOUNDATIONS TO NEW CONSERVATORY EXTENSION

Foundations to structural engineer's detail taken down to suitable load-bearing strata to the satisfaction of local Building Inspector

600 x 250mm wall A393 Mesh top and bottom, cover 40mm, over lay 410mm. Tie bars at ends to be supported with proprietary replacers. Mix 350kg/m³ as underside of foundation. Any soft spots to be excavated and taken down to suitable bearing & made concrete

Concrete bridging lintels are to be provided at sub structure brickwork where drainage pass through walls

Where existing adjacent foundations exist, foundations are to be excavated in random stages if necessary and are to be inspected by Local Authority

All vegetation and vegetable soil to be removed from under the area of the building, roads and paved areas

FLOORS

FLOOR TO NEW CONSERVATORY - 40mm fibre reinforced sand cement panels screed with steel floats/trowels finish, on 75mm reinforced ground bearing concrete slab with A252 mesh top and bottom (150mm cover to bottom, and 25mm cover to top - to be supported with proprietary high-chairs), on separating layer of polythene sheet 300 gauge, on 70mm Kingspan Kooltherm K3 floorboards or 2000g visqueen dpm, on 50mm sand blinding on min 150mm crushed limestone type 1 to table 6/3 rolled and compacted to table 6/1 or specification for regularly worked lintels in dpm to be lapped minimum 150mm and fully taped sealed with appropriate gas proof tape

Sheet material finished floors to consist of carpet or vinyl sheeting. Where applied to new floors direct a dpm is to be applied. Where on existing floor finish has been removed a self levelling screed is to be applied prior to the new finish.

SUPERSTRUCTURE

WALLS TO NEW CONSERVATORY EXTENSION

External cavity brick walling to be 302.5mm thick overall consisting of 102.5mm stretcher bond facing quality brick outer leaf to match existing, 100mm cavity with 50mm Kingspan Kooltherm K8 cavity board and 100mm blockwork inner leaf (Plasmor or similar approved)

Mortar to be 1:1:6 cement lime sand. External wall to achieve 'u' value of not more than > 0.35 W/M²K

Cavities wall ties to be provided at 450mm c/c max vertically & 750mm c/c horizontally & staggered at every block course to reveals. Cavity ties to BS 1243 to be stainless steel type Ancon ref ST1 or similar, with 225mm long to Structural Eng specification. Ties to be placed not more than 300mm apart vertically within 225mm of all openings.

Where new brickwork is formed perpendicular to existing external walls 'Dry Combi' stainless steel 600N/600B/300H 'Stronghold wall connectors' are to be used to provide lateral support. A pre-compressed sealing strip of polymer based sealant applied behind the wall connector. The polymer perpend should be sealed with a pre-compression sealing strip of polymer-based sealant.

Internal face of the inner leaf is to be finished with 13mm lightweight gypsum plaster. Plaster work to comply with BS 1191 Part 1 applied in 2 coats in accordance with BS Code of Practice 5492-1977 and is be high impact resistance standard.

A tray dpc is to be provided to both leaves of external wall for their full width & to be a minimum of 150mm above ground level. Dpc's to be of the high performance plastic free polymer type (Anderson Extra load DPC or similar) to be visible. Dpc to inner leaf to lap with dpm membrane in any solid floor construction.

Preformed cavity tray dpc's to new or adjusted openings in the external walls to be Anderson Xtra Load DPC System, fully sealed complete with stop ends. All dpcs to be fully bedded.

Damper or similar insulated vertical cavity dpc are to be provided to jambs & cills of reveals to new work in cavity walls & are to project minimum 20mm into cavity. All cavities to be closed at tops and at reveals.

All brickwork to inner leaf of external walls and internal walls to have minimum crushing strength of 7.0N/mm² unless shown otherwise on drawings. Internal walls to be 100mm blockwork.

DRAINAGE

BELOW GROUND

Foul drains to be 100mm dia vitrified clay pipes to BS 65 (Supersleve or similar) with flexible joints laid to suit changing gradients bedded & laid in accordance with the manufacturers recommendations.

All drains to be tested prior to backfilling.

Drainage laid to manufacturers recommendations and to satisfaction of Local Building Inspector. All pipes passing through ground slab to be wrapped with 25mm mineral wool compressed to 12mm to ensure the pipe does not seal and allow movement.

Concrete bridging lintels are to be provided in sub structure brickwork where drainage pass through walls. Forming an opening to give at least 50mm clearance all round the pipe and box opening moulded with right angle internally to prevent ingress of silt or mortar. It is important that the void is kept filled with a compressible material to prevent ingress of silt.

Drains adjacent to, underneath or under buildings of a depth less than 1.2M to be surrounded in 150mm concrete but maintaining flexible joints with 13mm compressible board movement joints in concrete surround.

Where existing or new drain passes under building take foundation down at least 450 for 1.000 length each side below invert level, leaving a 300mm void gap for the pipe in place of brick. Trench fill concrete to level of normal foundation.

Pipes are to be sealed with water compatible to manufacturers details to prevent ingress or moisture/water.

All Bay and purlins water drainage to satisfaction of local Building Inspector.

Any existing drainage diverted as necessary to satisfaction of the Drains concerning redundant / diverted to be grouted as follows.
Drains or sewers less than 1.2m deep which are in open ground should as far as is practicable be removed. Other pipes should be sealed at both ends and at any point of connection, and grout filled to ensure that no cavities can remain.
- Larger pipes (600mm and above) should be grout filled to prevent subsidence or damage to buildings or services in the event of collapse.

Inspection chambers to be Hepworth or similar or vertical inspection chambers, with 150mm minimum concrete surround to top of chamber to allow for bedding of frame. Inspection chambers to be fitted Thomas Dudley or similar heavy or medium duty, screw down single seal covers. Note, any manholes within building to have screw down double seal covers.

ABOVE GROUND

All pipework fittings and accessories for above ground drainage - ABS and vent pipes, traps and common wastes to be push fit waste from Polypipe Building Products to BS 5254 or similar approved.

Wash hand basins to be fitted with 32mm dia wastes.
All common wastes to be minimum 50mm dia.
All wastes to be fitted with 75mm deep seal bottle traps. Where wash hand basins or sinks don't connect to WC's or slop stacks they are to be connected to trapped access gullies.

110mm dia PVC-u soil & vent pipe to take wastes from WC & Wash hand basin. 75mm dia overflow pipes to WC cisterns.

No waste connector is ever within the 200mm zone below we bio rebate and 450mm above rest beds.

Ventilating pipes open & outside air invert joint at least 900mm above any opening into the building within 3m and should be finished with a wire cage or other perforated cover fixed to the end of the ventilating pipe, whose cross net opening has flow at least.

Rainwater gutters to be ironley to moden existing profile PVCu type to BS 4576 Part 1: 1989 & fittings, fixing with fascia brackets to softwood fascias at 1800mm ctrs max, to discharge via 83mm dia rainwater pipes fixed at 1800mm ctrs max. to below ground drainage.

Rainwater pipes in discharge via trapped gullies into ground drainage.

LINTELS

Helyer pre stressed concrete lintels to new internal openings with minimum end bearing of 150mm.
Catnic CC 90/100 (750 - 1800mm) "Cougar open back" over external openings with minimum end bearing of 150mm.

SECONDARY ELEMENTS

WINDOWS

All new windows to be PVC-U double glazed units from Bonnalay WSC, factory fitted double glazed units to BS 5713, outer pane of 6.4mm clear laminated glass, 16mm cavity, 6mm Pilkington 'K' glass. Sealing to be in accordance with Part L of the Building Regulations.

Windows to achieve 'U' value of maximum 2.0W/m²K

All habitable rooms to have opening lights in windows to provide night ventilation. Windows are to have opening lights to provide 1/20th floor area as ventilation, as well as mechanical ventilation where necessary in accordance with the Building Regulations. The opening vents to be of a top hung pattern, to operate on stainless steel friction stays & fitted with silver anodised locking handles & trickle ventilators as required.

Background ventilation to habitable rooms to be a minimum of 8000mm²

No window is to open to a projection of more than 100mm over external circulation areas unless guarded by a barrier or rail or openly, over a landscaped area.

GLAZING

All windows to be double-glazed & to be in accordance with Part N of the Building regulations. All safety glass is to be marked with a registered safety glazing mark.

EXTERNAL DOORS

Main Entrance Door to be manufactured by "Security Shutter & Doors" (Stowage Shutters & Doors Ltd Unit 9 Gregory Way, Rackfair, Stowgaon Cheshire CH3 6AB Tel 01270 762 000) Fax 01270 762 200, using the PAS 52mm thermally broken extruded aluminium pivoting door system by "Technal" (Hydro Building Systems Limited Rughaven Office, Mill Centre, Elmwood Park, Wakefield WF2 8TD). Doors to incorporate a "Flat" threshold for accessible entrances, self finger stop, and brushed pull handles. Frames to be finished in Polyester Powder coat to BS 6496: 1984. Pull bar handles to stainless steel with 16mm Dorex gasket, and side lights to achieve a U-value of not less than 2.5 and to weatherproof. Doors to be power assisted with push pads as indicated.

New bi-folding doors to be PVC by Award Windows with glazed to light and are threshold. Door to achieve U Value of not less than 2. Lever door handles to contrast visually with jambs.

Production drawings of specialist to be submitted for approval by Architect prior to manufacture.

CEILINGS

New suspended ceilings required in new Office and Care Space.

INTERNAL DOORS

All as per Door schedule 08
All internal doors from the Jeld Wen, Cambridge Range, 30min FR, Solid core doors, smoke seals & overhead door closers. Finger protector to internal door jambs.

Doors to corridors and or main traffic routes to incorporate vision panels at a height of between 900 and 1500mm in accordance with Part M Pro 8.2

Glazing to internal doors to be 6mm Pilkington Pyrobelite safety glass, bedded in Seamaster fire glaze intumescent compound.

ELECTRICS

System to be designed by Electrical Engineer, to include details of emergency lighting & smoke detector locations.
See drawing E_(-)07

HEATING

See drawing ME(5)01

ACCESSIBILITY

Ramped approaches are detailed on drawing no.

New aluminium doors and frame to main accessible entrance to provide clear unobstructed opening of 1000mm minimum. Door furniture to contrast visually with frame. To be power assisted with "push pad" locates 1000mm FFL.
All new internal door openings to provide clear openings of 750mm.

A "Personal Care Space" is provided in preference to a standard Part M approved accessible WC. Each WC pack and Shower pack by Armitage Shanks. Powered overhead hoist and changing bed by Washaline Ltd. Hinges & permanent support rails & the level manners to be provided in accordance with the requirements of Provision 4.16 Part M. All supports to contrast visually with background with min 30pt colour difference.

CONSERVATORY

Conservatory substructure - foundations, floor and walls as per description above. Conservatory to be formed in double glazed UPVC units by Awarp Windows.

All windows to be double-glazed & to be in accordance with Part N of the Building regulations. Outer pane of 6.4mm clear laminated glass 16mm cavity, 6mm Pilkington K glass.

Pilkington Activ self cleaning glass is to be used to the conservatory roof.

All safety glass is to be marked with a registered safety glazing mark.

Areas off glazing to be toughened safety glass in accordance with 'Critical Locations' guidance i.e. below 800mm / doors panels below 1800mm / and panels adjacent to doors below 1500mm in accordance with BS 6206.

Ekomasya Astralux 1300 vertical blind system to all windows

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PROJECT
KINGDOM HALL
LITTLEFIELD LANE
WOMBWELL

DRAWING
PROPOSED PLAN

Drawn	Revision
GD	
Scale: 1: 50	Date: NOV 10
Project Code: SS 847A	Drawing No.: 04