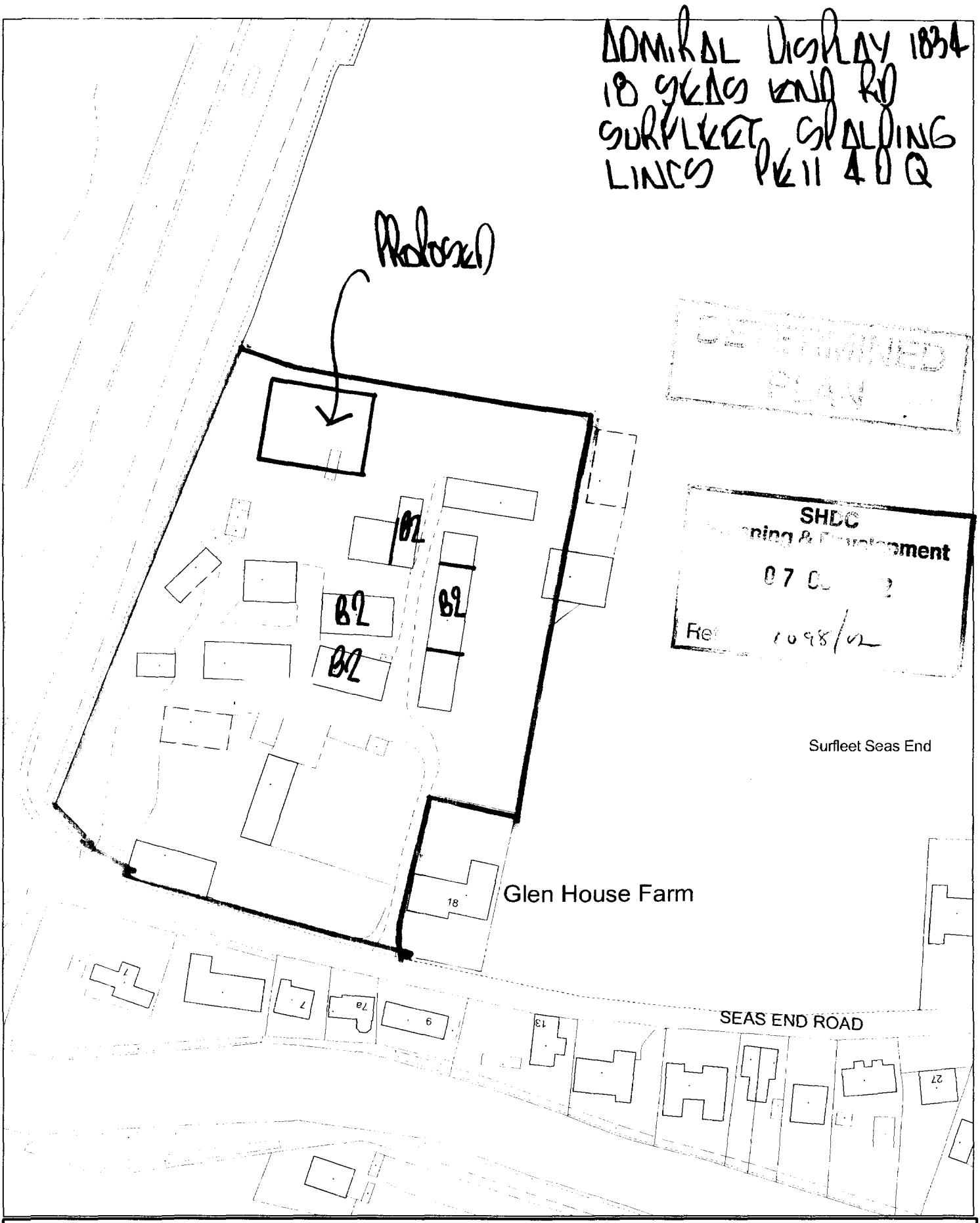


[redacted]

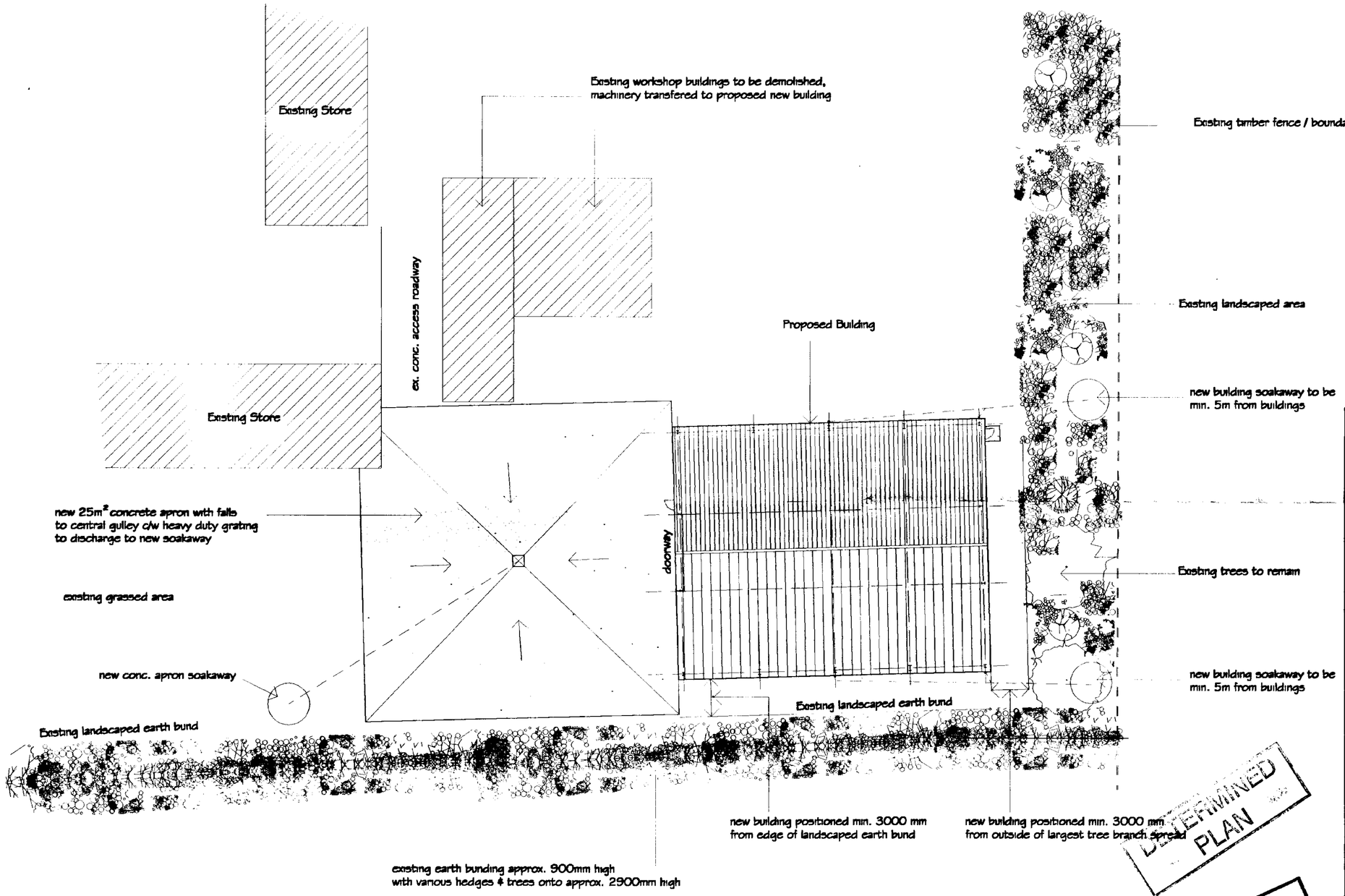
This copy has been produced specifically for the map return scheme purposes only. No further copies may be made.

Scale: 1:1250

Council Offices, Priory Road, Spalding, Lincolnshire PE11 2XE

This map is reproduced from Ordnance Survey material with permission of Ordnance Survey on behalf of Her Majesty's Stationery Office (c) Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. South Holland District Council LA079413 2002

N



DETERMINED PLAN

SHDC
Planning & Development
07 OCT
1098/02
Ref

This drawing to be read in conjunction with drawing 1834/GA1

REVISIONS			BY	DATE
DRAWN	MJW	DATE	5/10/02	
SCALE	1/250	CHECKED		

CLIENT

Admiral Display
18 Seas End Rd.
Surfleet
Spalding
Lincs PE11 4DQ

PROJECT

Proposed New Building for manf. of wooden products.

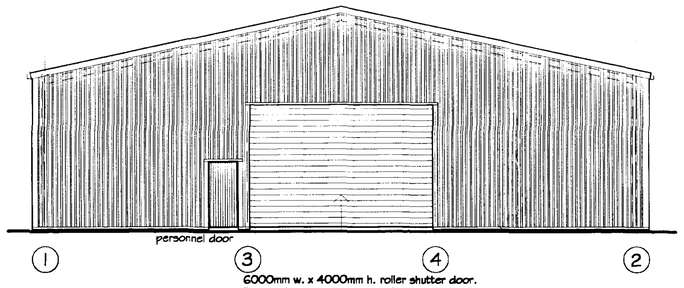
DETAILS

Block Plan

GREEN
STRUCTURAL

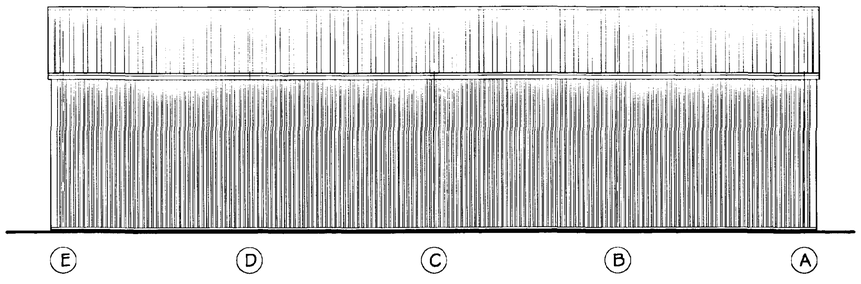
D.A.GREEN & SONS LTD.
Whaplode, Spalding,
Lincs, PE12 6TL.
www.dagreen.co.uk
Tel: 01406 370585.
Fax: 01406 370766.

DRWG No. 1834/GA2

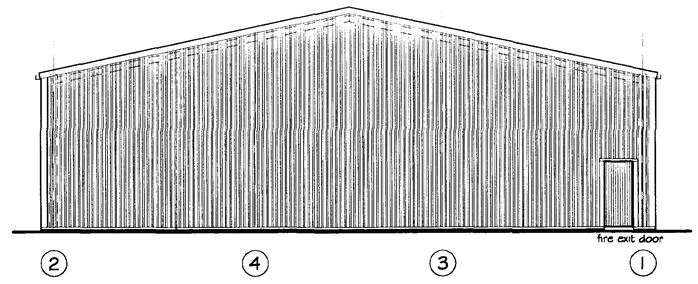


6000mm w. x 4000mm h. roller shutter door.
Ensure sloping access up to door to prevent water penetration into the building.

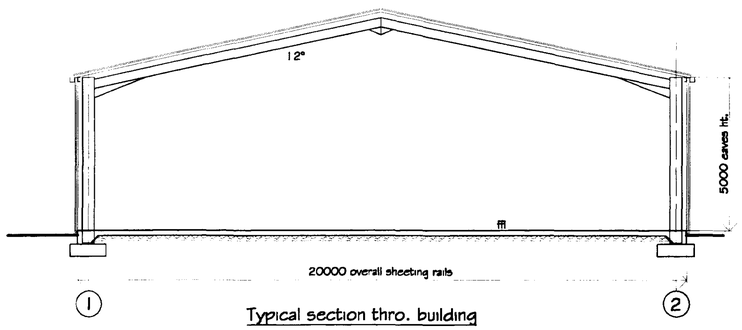
Front Elevation



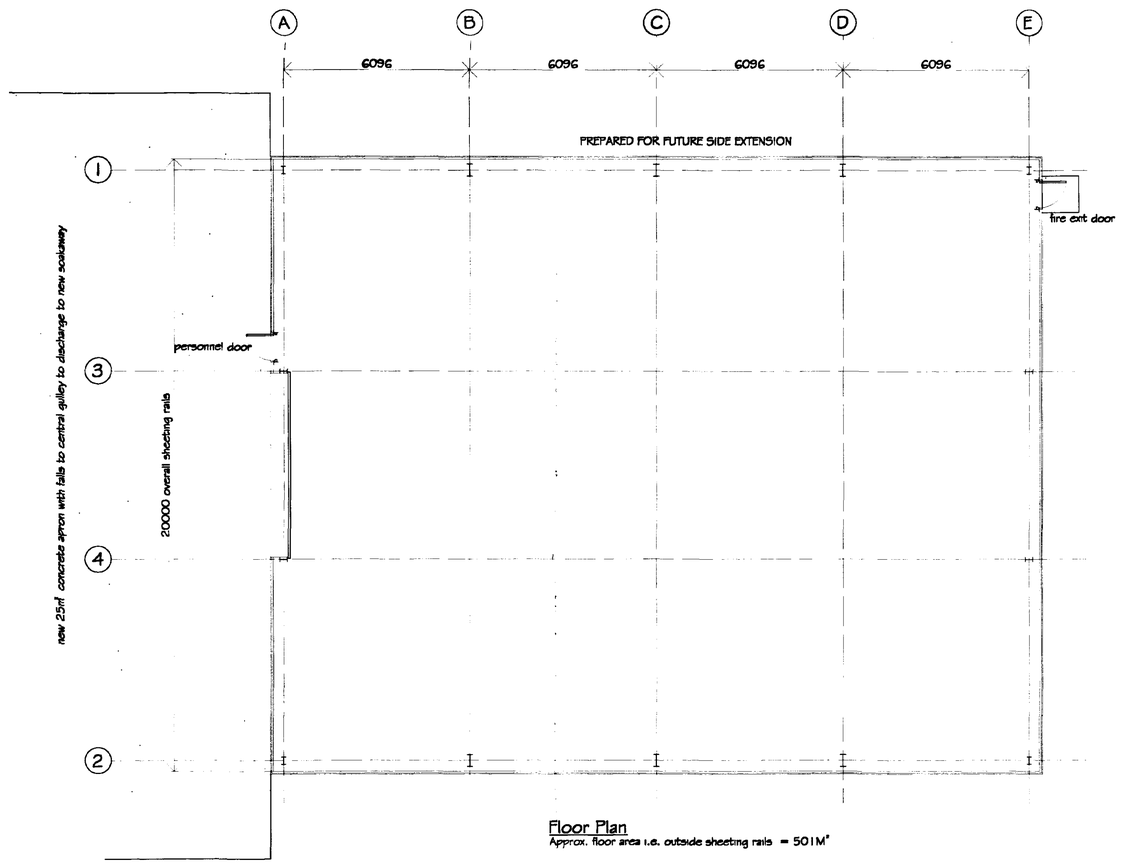
Elevation on Grid line 1 (drilled for future extension) Grid line 2 opp. hand rooflights not shown



Rear Elevation



Typical section thro. building



Floor Plan
Approx. floor area i.e. outside sheeting rails = 501M²

GENERAL NOTES
Copies of this drawing must not be taken,traced or altered for any purpose other than that for which it is issued without written permission of D.A.Green & Sons Ltd. This drawing is produced only for the purpose of obtaining Planning / Building Regulation Approval & does not contain a full specification for the proposed works.It is not to be used for steelwork fabrication purposes etc & all dimns. given are to be checked & confirmed prior tosteelwork fabrication.It is the appointed Builder / Contractors responsibility to control workmanship / materials / specification & any variations to the contract ;it is neither practical or reasonable to show all relevant matters on the drawing, the fact that matters are not mentioned does not allevaate the Builder /Contractor from responsibility of non-compliance in carrying out the work.
All works & materials to be fitted & installed to the manf. instructions & comply with the manuals, technical requirements, codes of practice & British Standards. All measurements on this drawing are not to be scaled for construction / ordering purposes. All dimn's & set out of the works as shown on the drawing to be checked by the Builder / Contractor prior to the commencement of work & any discrepancies report immediately.

HEALTH & SAFETY
Construction (Design & Management) regs 1994 (CDM).Should the works need to comply with the Construction Design & Management Regulations an independent Planning Supervisor would be reqd to co-ordinate the Health & Safety aspects of the project during the construction period from the time of site possession to completion handover to the client. The client is to ensure that the appointed contractor is familiar with & complies with Health & Safety for Building Sites & Work Places.

ROOF CLADDING
Insulated cladding of trapezoidal profile composite panels, comprising of a 0.5mm thick PVC plastisol coated galvanized steel weathering sheet colour : Moorland Green 12B21 together with 80mm thick CFC free fire rated rigid polyisocyanurate insulation to LPC Formulation & a 0.4 mm thick galvanised white enamel coated steel liner panel all bonded together to give a U - value of 0.25W/m2°C, fixed in an over purlin position & c/w all necessary matching flashings,filers & fixings.

ROOFLIGHTS
10% factory assembled GRP translucent rooflights, fixed in accordance with manf. recommendations to comply with CDM regulations.

RAINWATER GOODS
' Streamline ' type colour coated steel box gutters to both slopes, together with square colour coated steel downpipes colour to match vertical cladding to FFL as necessary.

VERTICAL CLADDING
Insulated cladding of trapezoidal profile composite panels, comprising of a 0.5mm thick PVC plastisol coated galvanized steel weathering sheet colour : Olive Green 12B27 together with 60mm thick CFC free fire rated rigid polyisocyanurate insulation to an LPC Formulation & a 0.4 mm thick galvanised white enamel coated steel liner panel all bonded together to give a U - value of 0.35W/m2°C, fixed in an over rail position & c/w all necessary matching flashings & fixings. To lap FFL on all elevations, leaving out only for doorways.

REVISIONS		BY	DATE
DRAWN	MJW	DATE	3/10/02
SCALE	1/100	CHECKED	

CLIENT
Admiral Display
18 Seas End Rd.
Surfleet
Spalding
Lincs PE11 4DQ

PROJECT
Proposed New Building for manf. of wooden products.

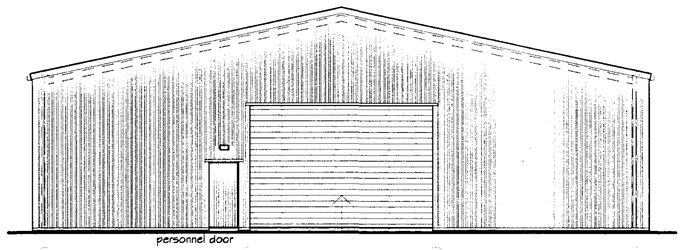
DETAILS
Elevations / Floor Plan

SHDC Planning & Development 07 OCT 2002 Ref 1098/02

PLANNING

GREEN
STRUCTURAL
D.A.GREEN & SONS LTD.
WHAPLODE, SPALDING,
LINCS, PE12 6TL.
www.dagreen.co.uk
Tel: 01406 370585.
Fax: 01406 370766.

DRWG. No. 1834/GA1

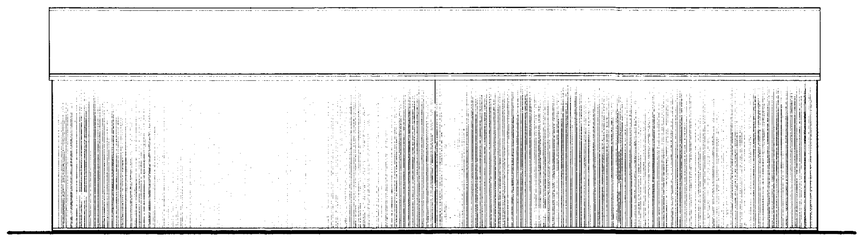


6000mm w. x 4000mm h. roller shutter door.
Ensure sloping access up to door to prevent water penetration into the building.

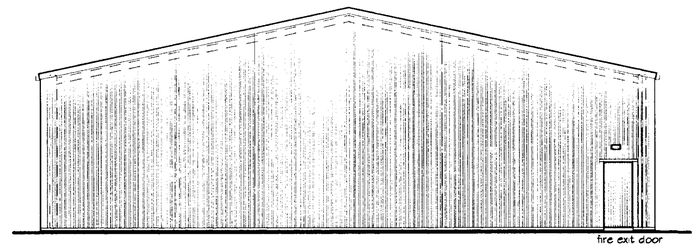
Principal Entrance Door to have min. 800mm clear opening width

800

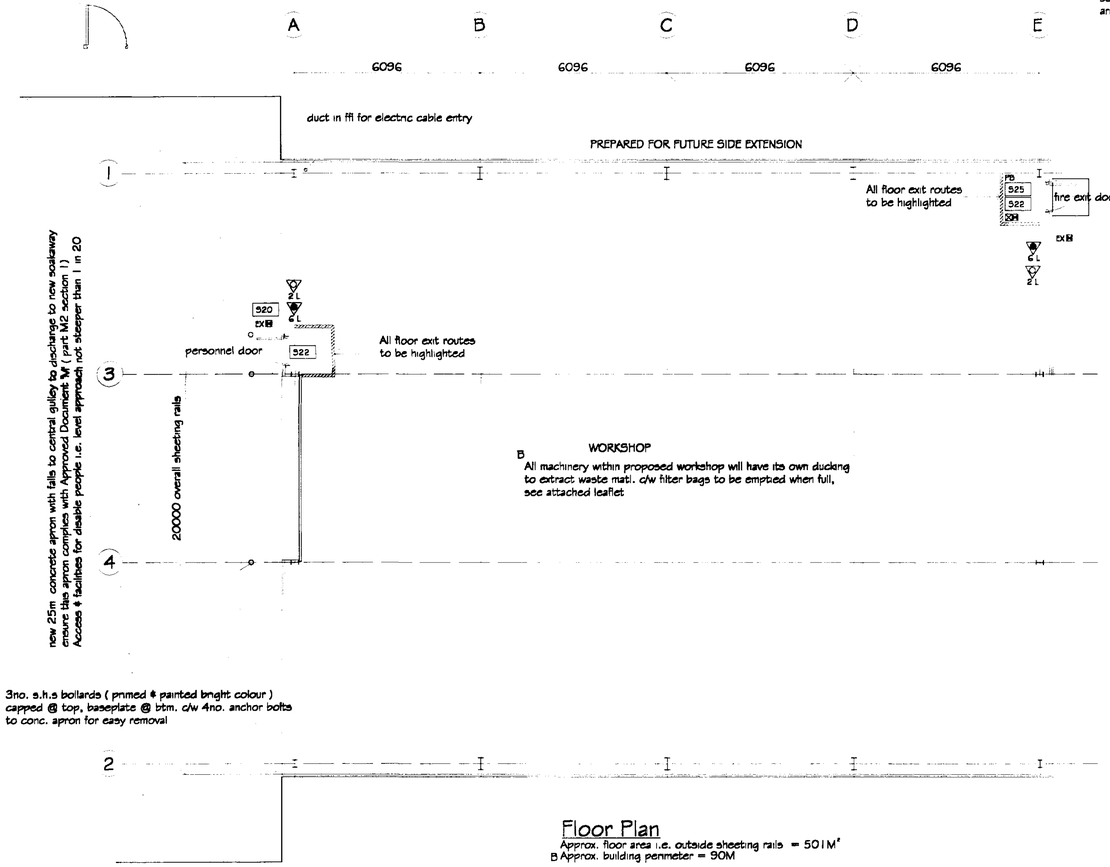
Front Elevation



Elevation on Grid line 1 (drilled for future extension) rooflights not shown
Grid line 2 opp. hand



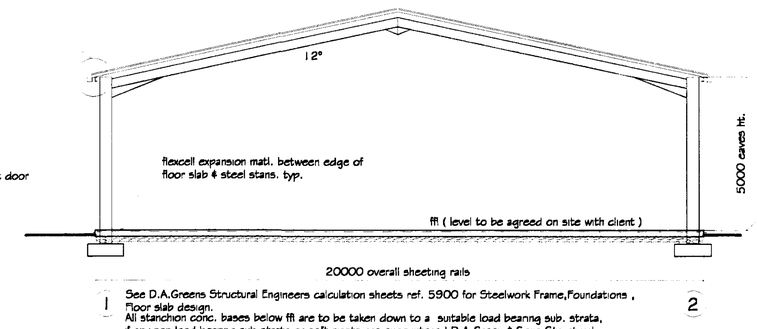
Rear Elevation



Floor Plan

Approx. floor area i.e. outside sheeting rails = 501M²
B Approx. building perimeter = 90M

B see attached detail for insulation arrangement @ junction of wall to roof.



1 See D.A.Greens Structural Engineers calculation sheets ref. 5900 for Steelwork Frame, Foundations, Floor slab design.
All stanchion conc. bases below ffl are to be taken down to a suitable load bearing sub. strata, if any non-load bearing sub-strata or soft spots are encountered D.A.Green & Sons Structural Engineers / Local Building Inspector must be informed before any concrete etc. is laid

Typical section thro. building

ROOF CLADDING ("U" value of 0.25W/m2/K) all cladding details / sealants to be installed under the Approved Document Part L2 of the Building Regulations 2002 (1st. April 2002 edition) & manf. details.
Insulated cladding of trapezoidal profile composite panels, comprising of a 0.5mm thick PVC plastisol coated galvanized steel weathering sheet colour : **Goosewing Grey 10A05** C together with 80mm thick CFC free fire rated rigid polyisocyanurate insulation to LPCB 1181 Formulation (Insurer approved Loss Prevention Certification Board) & a 0.4 mm thick galvanised white enamel coated steel liner panel all bonded together to give a U - value of 0.25W/m2°C, fixed in an over purlin position & c/w all necessary matching flashings, fillers & fixings.
ROOFLIGHTS all details / sealants to be installed under the Approved Document Part L2 of the Building Regulations 2002 (1st. April 2002 edition) & manf. details
10% factory assembled GRP translucent rooflights, fixed in accordance with manf. recommendations to comply with CDM regulations.
RAINWATER GOODS
"Streamline" type colour coated steel box gutters to both slopes, together with square colour coated steel downpipes colour to match vertical cladding to FFL as necessary.
All taken to soakaways min. 5m from buildings. Percolation tests are recommended to determine the capacity of the soil (see Approved Document H2 of the Building Regulations 1st. April 2002 paragraphs 1.34 to 1.38) prior to any new soakaway being constructed.
VERTICAL CLADDING ("U" value of 0.35W/m2/K) all cladding details / sealants to be installed under the Approved Document Part L2 of the Building Regulations 2002 (1st. April 2002 edition) & manf. details
Insulated cladding of trapezoidal profile composite panels, comprising of a 0.5mm thick PVC plastisol coated galvanized steel weathering sheet colour : Olive Green 12B27 together with 60mm thick CFC free fire rated rigid polyisocyanurate insulation to an LPC B 1181 Formulation & a 0.4 mm thick galvanised white enamel coated steel liner panel all bonded together to give a U - value of 0.35W/m2°C, fixed in an over rail position & c/w all necessary matching flashings & fixings. To lap FFL on all elevations, leaving out only for doorways.

GENERAL NOTES

Copies of this drawing must not be taken, traced or altered for any purpose other than that for which it is issued without written permission of D.A.Green & Sons Ltd. This drawing is produced only for the purpose of obtaining Planning / Building Regulation Approval & does not contain a full specification for the proposed works. It is not to be used for steelwork fabrication purposes etc & all dimns. given are to be checked & confirmed prior to steelwork fabrication. It is the appointed Builder / Contractors responsibility to control workmanship / materials / specification & any variations to the contract, it is neither practical or reasonable to show all relevant matters on the drawing, the fact that matters are not mentioned does not alleviate the Builder /Contractor from responsibility of non-compliance in carrying out the work. All works & materials to be fitted & installed to the manf. instructions & comply with the manuals, technical requirements, codes of practice & British Standards. All measurements on this drawing are not to be scaled for construction / ordering purposes. All dimns & set out of the works as shown on the drawing to be checked by the Builder / Contractor prior to the commencement of work & any discrepancies report immediately.

HEALTH & SAFETY

Construction (Design & Management) regs 1994 (CDM). Should the works need to comply with the Construction Design & Management Regulations an independent Planning Supervisor would be read to co-ordinate the Health & Safety aspects of the project during the construction period from the time of site possession to completion handover to the client. The client is to ensure that the appointed contractor is familiar with & complies with Health & Safety for Building Sites & Work Places.

BUILDING LOG BOOK (Building Regulations Approved Document L2 Section 3, 1st. April 2002)

The owners & occupiers of the building to be provided with a log book giving details of installed building services plant & controls, method of operation & maintenance & other details that collective enable energy consumption to be monitored & controlled. The information to be provided in summery form, suitable for day to day use. This summary could draw on or refer to information available as part of other documentation, such as the Operation & Maintenance Manuals & Health & Safety File

ENERGY METERS (Building Regulations Approved Document L2 Section 3, 1st. April 2002)

To enable owners & occupiers to measure their actual energy consumption, the building engineering services should be provided with sufficient energy meters & sub.
Provided with sufficient instructions including an overall metering strategy that show how to attribute energy consumptions to end uses & how meter readings can be used to compare operating performances with published benchmarks GIL 65, 2001; sub metering new build non-domestic buildings, BRECSU

PERSONNEL / FIRE EXIT DOORS

All outside surfaces from fire exit doors to be reasonably level / flush to enable Disable escape (conc. / tarmac paths not gravel).
All Fire Exit doors to have level approaches with no slope exceeding 1 in 20. with conc. apron outside min. 1200mm sq.
All Fire Exit symbols etc. to B.S.1635; 1990 & B.S.5449 PT1 (fire safety signs, notices & graphic symbols).
All Fire Exit doors to open outwards (if less than 60 personnel within unit fire exit doors can open inwards) c/w panic bar & sign "PUSH BAR TO OPEN".
All means of escape routes should be provided with adequate artificial lighting.
All doors on escape routes both within & at the final exit from the building should be readily openable from the side approached by the persons making escape.
Generally no doors on escape routes to be fitted with devices such as locks or security pads unless they can be overridden on the escape side with a thumb turn, any push bars on external escape route doors must also be able to override the external locking device.
Any principle entrance door not fitted with push bars but fitted with external locking device must not be locked during working hours. Management to ensure responsible personnel appointed to ensure staff etc. are not locked in within the whole of the building.
All exit routes from within the workshop area to be highlighted by painting yellow chevrons or similar onto the floor

FIRE EXTINGUISHING INSTALLATION & EQUIPMENT

Fire alarms in accordance with B.S.5839
Fire fighting equipment & installation to : B.S.5306 : PT1 1976
Emergency lighting to be in accordance with B.S.5266; PT1; 1988.
Fire authority to be consulted regarding fire fighting equipment & associated matters.

FIRE ALARM SYSTEM / SMOKE DETECTORS

Requirements subject to confirmation by client :

Fire Alarm System
Fire Alarm system should be designed & installed by a specialist contractor. Upon completion of the work, the installing Engineer for the fire alarm system should provide certification that the installation complies with BS 5839 Fire Detection & Alarm Systems for Buildings, that it has been inspected, tested & commissioned in accordance with BS 5839. A copy of the certificate should be sent to the Building Control Division of the Council.

Smoke Detectors
Automatic Smoke Detectors to be installed to BS5839 & B1 of the Building Regulations, permanently wired to a separate circuit. & to be interconnected

EMERGENCY LIGHTING

The Emergency Lighting Design Engineer should provide a design layout, appropriate to the proposed use of each part of the building, & certification that the scheme has been designed to achieve the min. levels of illuminance in accordance with BS5266. a model design certificate is given in appendix B of BS 5266.
The design layout & certification should preferably be received by the Building Control before the plans have been approved. If the information is not available the plans will be passed conditionally & the information should be submitted before commencement of this stage of the work on site.
Upon completion of the work, the installing Engineer for the Emergency lighting should provide a completion certificate to the occupier / owner of the premises as required by BS 5266 Code of Practice for Emergency Lighting. A copy of this certificate should be sent to the Building Control Division of the Council.
The Completion Certificate should consist of two parts ;
a) Certification of installation.
b) Certification of inspection & testing of the system. This should include "Photometric verification data, or test data obtained from the measurements carried out in accordance with Appendix A of BS 5266 Code of Practice for Emergency Lighting".
Recommendations on the measuring of illuminance of emergency lighting are given in Appendix A ; of BS 5266 Code of Practice for Emergency Lighting. A model completion certificate is given in Appendix B; of BS 5266.

ELECTRICS

Allow mains electric to enter the building within duct cast within floor (check with client prior to commencement of work entry position). Sockets / outlets / lighting points etc. to IEE regulation & N.H.B.C. std. positions to be agreed with client prior to installing. All switches / sockets for lighting & other equipment should be located so that they are easily reachable

ELECTRIC LIGHTS (INTERNAL)

Energy efficient Florescent strip lighting. Check with client positions prior to installing.

B HEATING

Moveable propane space heaters. All propane bottles are stored elsewhere within the site & are not near / adjacent to the proposed new building.

ACCESS FOR THE DISABLED

The building is to comply with all the relevant sections of DOCUMENT 'M' of the Building Regulations 1992 edition & B.S.5810 1979 access for the Disabled to

GROUND FLOOR CONSTRUCTION (see D.A.GREEN & SONS CALCULATION SHEETS REF. 5900) FFL RT. TO BE AGREED ON SITE WITH BUILDER / CONTRACTOR / D.A.GREENS (NOTE : BUILDING WITHIN FLOOD RISK AREA)

Remove all turf & vegetable matter from the ground to be covered by the proposed to at least a depth sufficient to prevent growth. Where the water table can rise within 250mm of the lowest floor of the building, or where surface water could enter or affect the building the ground covered by the building should be drained by an effective means. Any subsoil drain cut during excavation should be re-routed, run to another outfall, if it has to run thro. the building to be re-laid in pipes with sealed joints & have access points outside the building. Lay floor as follows : 150mm thk. 40N/mm2 oversite conc. with min. cement content of 325 kg / m3. Slab laid in approx. 4.5m wide strips with approx. 1.0m wide edge strips. Provide longitudinal joints between strips as shown on attached calculation sheets. Provide A193 mesh reinforcement located near to top of slab with min. cover of 50mm, power float finish with dustproof / hardener. Provide isolation joints around columns using 20mm thk. compressible joint filler & sealant fill to top. Min. 200mm thk. sub-base of inert well graded granular material of max. size < 75mm, fully compacted & blinded (if in excess of 100mm fill to max. 600mm, the hardcore is to be laid & compacted in layers not exceeding 150mm) with sand blinding to form a smooth level surface, 1200 gauge D.P.M returned up outside of floor slab edges, any exposed slab edges to have brushed painted applied d.p.m.

FX External Emergency Light
Emergency Light with Fire Escape Sign
2L Fire Extinguisher (foam) c/w sign above 6 litre AFFF for paper / wood / freely burning matl. / flammable liquid
2L Fire Extinguisher (carbon dioxide) c/w sign above 2 litre for electrical & flammable liquids
522 Fire Exit Sign.
520 Notice. Fire Exit Keep Clear.
525 Notice. Push bar to open.
PD Push Door ironmongery

Planning & Development
31 JAN 2003
Ref. 1098/02

C	Roof cladding colour amended to client's comments	mjw	31/1/03
B	Amended to suit Building Regulation comments	mjw	14/1/03
A	Amended to suit Building Regulation submission	mjw	2/12/02

REVISIONS		BY	DATE
DRAWN	MJW	DATE	3/10/02
SCALE	1/100	CHECKED	

CLIENT
Admiral Display
18 Seas End Rd.
Surfleet
Spalding
Lincs PE11 4DQ

PROJECT
Proposed New Building for manf. of wooden products. - B2

AMENDED PLAN

DETAILS
Ref. A1
Elevations / Floor Plan

GREEN
STRUCTURAL
D.A.GREEN & SONS LTD.
WHAPLODE, SPALDING,
LINCS, PE12 6TL.
www.dagreen.co.uk
Tel: 01406 370585.
Fax: 01406 370766.

DRWG. No. 1834/GA1 C

This drawing to be read in conjunction with drawing 1834/GA2