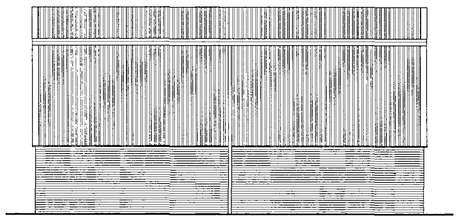
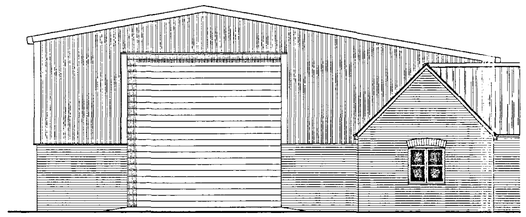


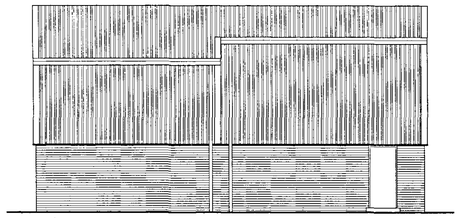
EAST ELEVATION



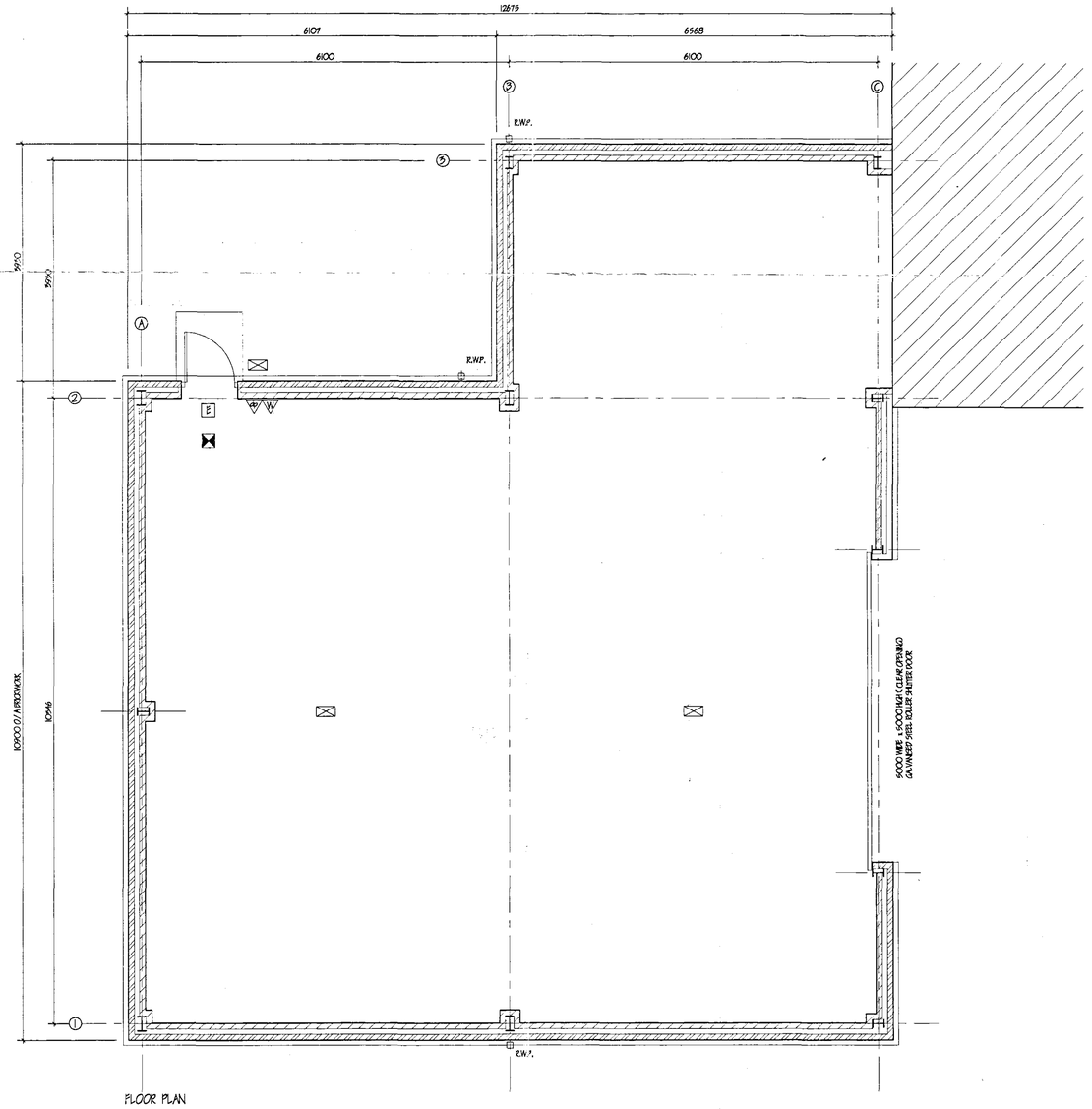
NORTH ELEVATION



WEST ELEVATION



SOUTH ELEVATION



FLOOR PLAN

STEELWORK.
Form all steelwork to Structural Engineers recommendations. All Roof, Side and Gable purlins/ rails to be "Ward Building Components Ltd" or similar fixed in accordance with manufacturers instructions out side steelwork.

EMERGENCY EXIT DOORS.
All doors to be min 838mm wide and fitted with panic latch. Doors to be openable to 180 degrees. Provide "Push Bar to Open" sign on door. Emergency Exit sign over to B.S. 5499 pt1 Externally provide 1.0m x 1.0m concrete landing level with internal f.f.l.

TRANSLUCENT SHEETING.
10% of roof areas in triple skin site assembled translucent sheets, Inner Sheet GRP 5AA Class 1 Outer Sheet Mansafe GRP 5A3 Class 111. Translucent sheets to provide security and permit roof maintainance in compliance with C.D.M. regulations.

LIGHTING.
To workshops / storage area's provide "Powerlux" or similar approved High Bay Metal halide lamps. The following lighting levels are recommended: to provide an initial efficacy averaged over the whole area, of not less than 40 lminaires-lumens / circuit-watts to be controlled by manual switch not more than 1.8m from luminaire or by means of movement sensors.

Workshop areas 300lux at work surface level

Provide emergency light fittings in positions shown on plan all to B.S. 5266 pt1.

GROUND FLOOR
Floor slab to comprise of 200mm min. clean and well consolidated hardcore not exceeding 40mm max size. with 50mm blinding, 40mm "Celotex GA4040Z" or similar insulation board; 175mm reinforced concrete RC35 mix, with 1 layers A252 reinforcing fabric min. cover 35mm from top Provide 1200g polythene D.P.M. lapped min. 300mm in all directions and taken up edge of floor slab. Construction joints at 900mm long 16mm dia. tie bars at 600mm c/ c. at max. 4.5m bay widths. Power Float Finish. Design Loading for General Industrial occupancy. all in accordance with Structural Engineers Calculation.

WALLING
215 cavity walling to consist of face brickwork to B.S. 3921:1974 for clay bricks and B.S. 187:1978 for calcium silicate bricks; 85 cavity; build into cavity Dritherm cavity wall batts insulation boarding in accord. with makers instructions and agreement cert' No.BA/1268 & BA/1584, 100mm Tarmac Hemelite solid insulation blocks or similar. Cavity walls tied together using stainless steel twist ties set 750 horizontally and 450 vertically to B.S. 1243:1978 wall ties positioned at 300 vertical centres at all unbonded closures of cavity; Close cavities with "Thermabate" preformed closer and provide bitumen felt DPC to C.P. 121: All work to be carried out in accordance with BS Code of Practice 121 Part 1:1973. External walls to have max. "U" value of 0.35 W/ sq.m.K.

FOUNDATIONS.
Under walls as shown provide225 x 600 strip concrete foundations GEN4 mix to B.S. 5328: pt1 1991. Form isolated pad foundations to steelwork in accordance with Structural Engineers details. All foundations taken down to bear on load bearing strata min. depth of 450mm below ground level to underside of foundations: should shrinkable soil conditions be found on site then foundations shall be taken down to a minimum depth of 750mm below ground level.

PITCHED ROOF
Form pitched roof covering of "Corus Trisomet" or similar Composite Panel with 80mm core thickness. to provide "U" value of 0.25 W/ m.sq.K. Class O Surface spread of Flame to B.S. 476 Pt 7. Cladding system fixed to "Ward Building Components Ltd." or similar galvanised steel purlins spaced to Structural Engineers recommendations. All fixed in accordance with manufacturers instructions

VERTICAL CLADDING
Form pitched cladding of "Corus Trisomet" or similar Composite Panel with 80mm core thickness. to provide "U" value of 0.35 W/ m.sq.K. Class O Surface spread of Flame to B.S. 476 Pt 7. Cladding system fixed to "Ward Building Components Ltd." or similar galvanised steel purlins spaced to Structural Engineers recommendations. All fixed in accordance with manufacturers instructions

SURFACE WATER DRAINAGE.
Pre-formed pleated coated steel "streamline" rainwater gutters to 100mm square pleated coated steel rainwater pipes: 110mm dia. underground pipes flexibly joined to a fall of 1:70 pipes bedded and surrounded in pea gravel and discharge to 1.2m dia. soak away min. 5.0m to edge from dwelling. All footpaths and drives to slope away from building.

TESTING & CERTIFICATION.
If the proposed building is less than 1000 square metres in area, then design details and construction technique method statement can be submitted to the Local Authority prior to commencement on site The Main Contractor is to provide a certificate or declaration relating to the design details and things showing compliance with B.R. L2
In buildings larger than 1000 square metres provide an Infra Red thermographic survey in accordance with BRE report 176.
Air tightness tests are to be carried out in accordance with CIBSE TM 23:2000.
Thermal performance of the building is to comply with BS EN ISO 13789:1999 Limiting thermal bridging and air leakage and in accordance with ISO 2001. Design of metal cladding to comply with document L2
NCRM/TECH Note 14
Main Contractor is to provide all certification for tests carried out

CONSTRUCTION HAZARDS.
The following operations are identified as involving hazards in construction.
a) Working close to under ground or over head power cables.
b) Demolition and modification to adjacent existing buildings containing asbestos materials.
c) Excavation adjacent to existing foundations and effluent banks below ground.
d) Steel erection close to boundary or existing building.
e) Working with scaffolding.
f) Working at height.
g) Roofing operations.
h) Drainage operations.
i) "Working" on insulation or large laminated insulated panels in areas with restricted access.
j) Disposal of soil/ wastes.
m) Welding to existing steel work.

HAZARDOUS MATERIALS
The following materials could be deemed a hazard.
a) Cement and cement based products.
b) Solvent based paints.
c) Foul and factory waste sewerage located in existing drainage system.
d) Dust generated during construction (including asbestos)
e) Sealant and adhesives.
f) Insulation material .
g) Heavy structural steelworks and timbers.
h) Reinforcing bars.

The above list is not a definite list as the Principal contractor or any subcontractor may specify materials which could be deemed a hazard over and above those listed

LIMITATIONS.
This drawing is limited in the amount of information contained and does not purport to contain a full specification of the works. It is solely for the purpose of obtaining Planning/ Building Regulation approval. The drawing must not be used as a contract document alone.
All dimensions shall be taken from site from actual work, Under no circumstances shall measurements be scaled from this drawing for construction or ordering purposes.
All given dimensions shall be checked by the Builder / Contractor and will be his responsibility from commencement of site works.
The works will not be supervised or inspected on site by C.A.D. or any representative thereof. It is the client or their appointed agents responsibility to control workmanship, substitution of materials, adherence to specification, variations to contract etc.

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STANDARDS.
All materials to be new unless otherwise stated and all components and materials etc. to be used fitted and installed etc. in strict accordance with manufacturers instruction and relevant Code of Practice.
Materials shall conform to appropriate British Standard Specification or BBA Certificate or European Code equivalent.

HEALTH & SAFETY.
The Employer / Client shall ensure that the selected contractor is conversant with and adopts all measures necessary to achieve compliance with Health & Safety legislation for Building Sites and Work Places.
The Employer / Client is advised that should the works need to comply with the Construction Design and Management Regulations an independent Planning Supervisor will be required.

SCOPE OF THE WORKS.
The works shall comprise of all that is shown on the drawing and details. Work that may not be specifically shown but may be reasonably inferred as necessary to carry out the works shall be deemed to be included.

DRY POWDER FILLED EXTINGUISHER 2.2 KG CAPACITY.

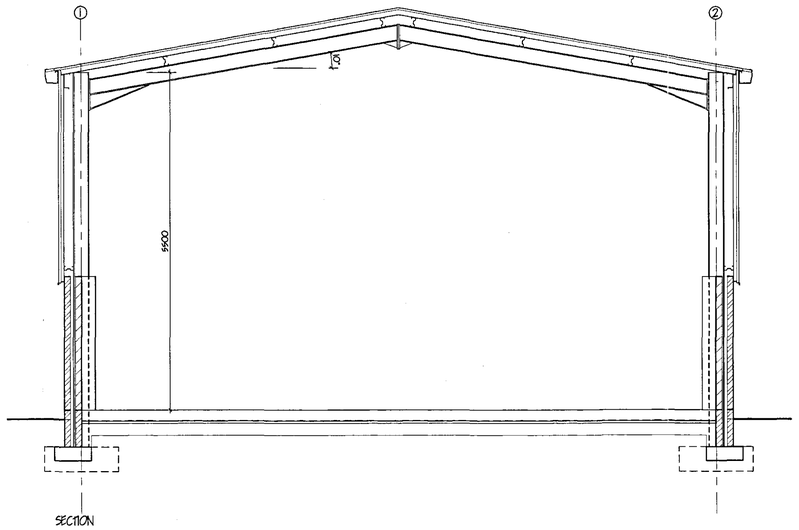
WATER FILLED EXTINGUISHER 9 Litre CAPACITY.

E ILLUMINATED EMERGENCY EXIT SIGN 100mm HIGH LETTERING A.L. TO B.S. 5499 Pt. 1.

EMERGENCY LIGHTING TO B.S. 5266 Pt. 1.

PUSH BAR TO OPEN SIGN.

DETERMINED PLAN



SECTION

revision	date	init.	revision details.

COOPER ARCHITECTURAL DESIGN
WRIGHTS MEWS, 12A PARK ROAD, HOLBEACH, SPALDING, LINC'S PE12 7EE
Tel/Fax : 01406 423762
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Client.
P & R PLANT HIRE

Project.
PROPOSED REPLACEMENT WORKSHOP
HALLGATE
FLEET
SPALDING
LINC'S.

Drawing.

Planning & Development
18 APR 2005
Ref: 05/0515

Scale 1:50 1:100	Drawing No. 0505:06
Date. FEB. '05	Drawn. J.C.