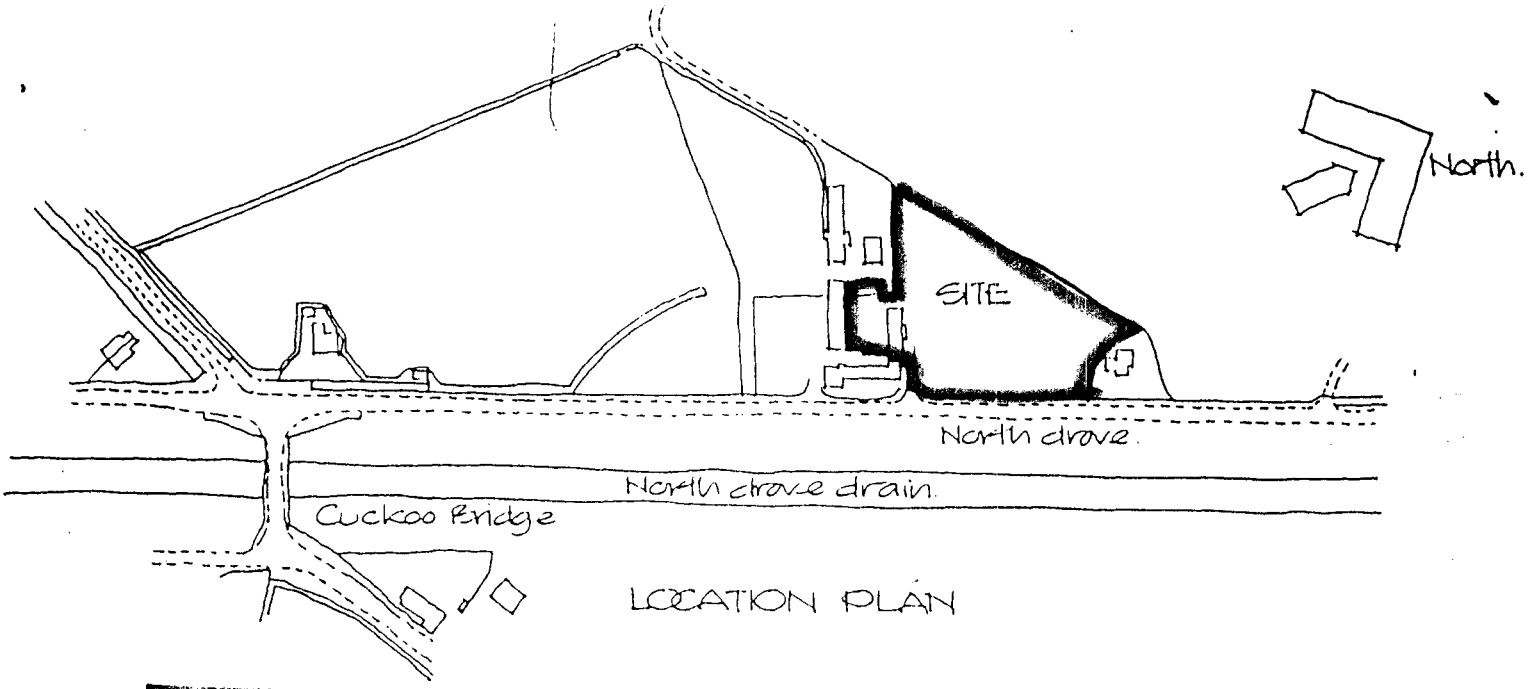


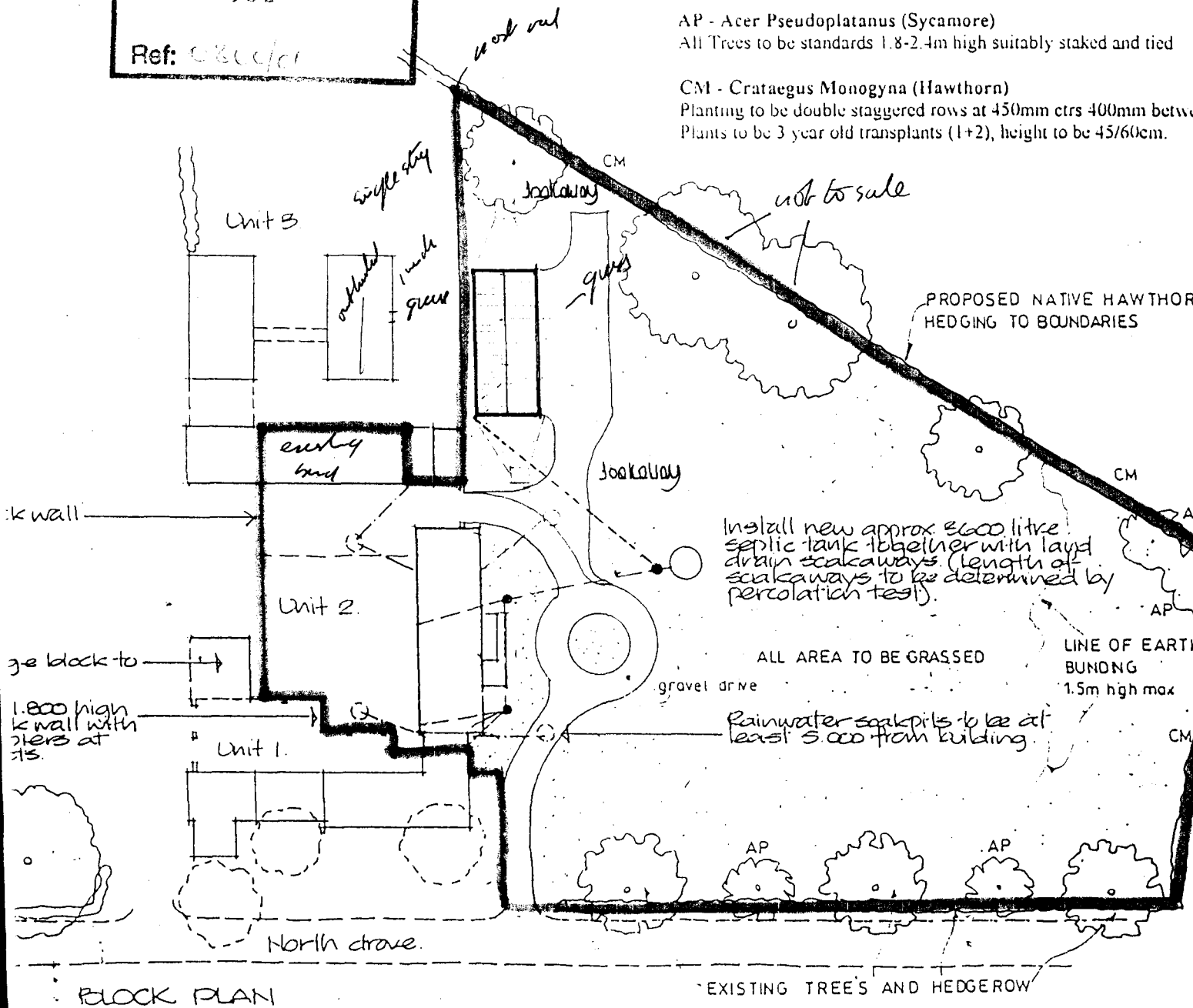
SOUTH HOLLAND DC
HOUSING & PLANNING
10 JUL 2001
Ref: H/0[illegible]/01

PROPOSED PLANTING

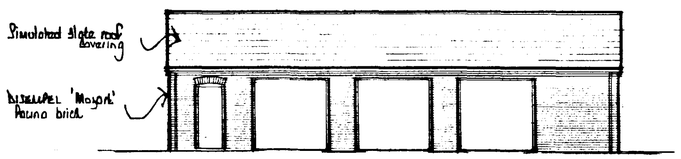
UNIT 2, CUCKOO FARM.

AP - Acer Pseudoplatanus (Sycamore)
All Trees to be standards 1.8-2.4m high suitably staked and tied

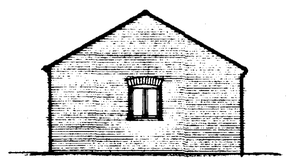
CM - Crataegus Monogyna (Hawthorn)
Planting to be double staggered rows at 450mm ctrs 400mm betwe
Plants to be 3 year old transplants (1+2), height to be 45/60cm.



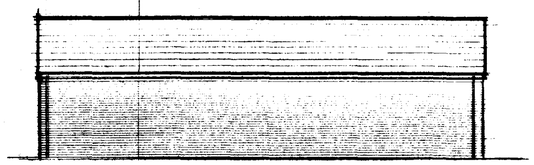
BLOCK PLAN



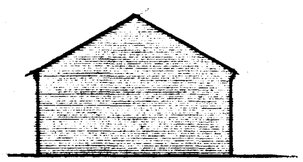
n east



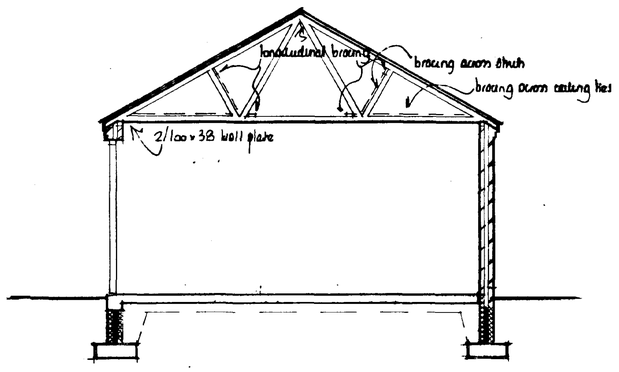
s east



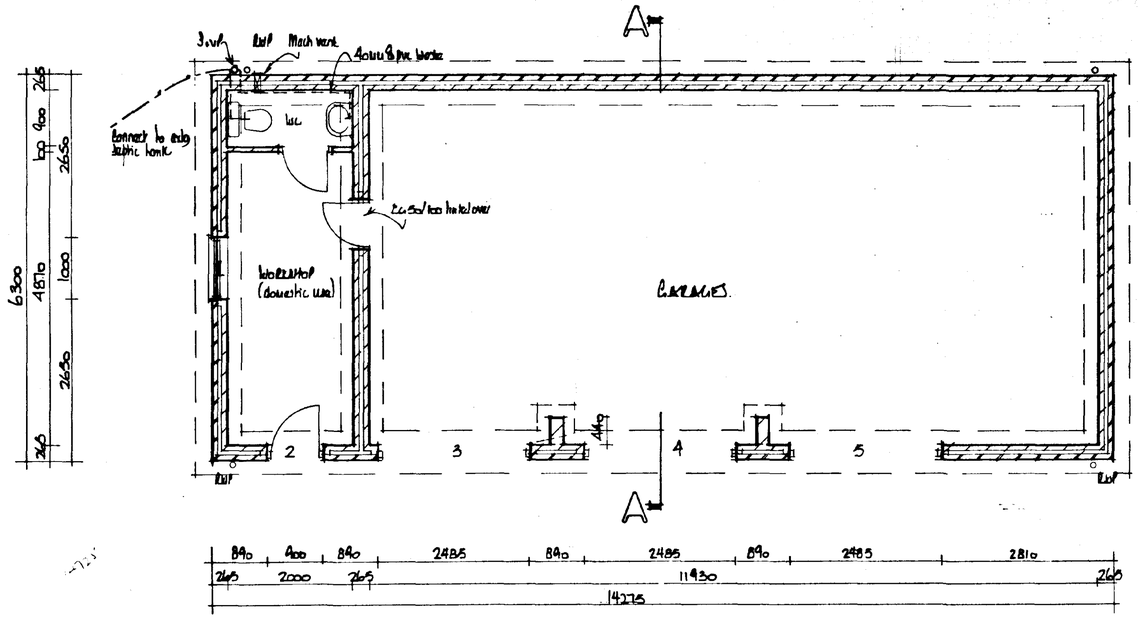
s west



n west



A – A



ground floor plan

FOUNDATIONS

Foundations to be ST4 grade concrete

For 265mm walls foundations to be 700 x 230mm

Foundations to be taken down to a firm loadbearing strata, a min. 1.0m if in shrinkable sub soil, in accordance with the requirements of the Local Authority Building Control Dept. and in accord with the NHBC guidelines for building near trees.
Site soil surveys are recommended in respect of foundations to establish specific site conditions before foundation work is undertaken.

FLOOR CONSTRUCTION

Ground
125m ST4 grade oversite concrete
1200g polythene damp proof membrane
25mm sand blinding
100mm compacted hard-core - if in excess of 100mm fill, to a max. 600mm, the hard-core is to be laid and compacted in layers not exceeding 150mm.
Strip off all vegetable soil beneath proposal.

WALL CONSTRUCTION

Below Ground
To be 100mm Class A concrete blocks
Cavity to be filled to 225mm below lowest dpc level with lean mix concrete

Above Ground
To be 265mm o/a constructed as follows :-

100mm facing brick (to be FL quality below dpc level)
65mm cavity insulated with mineral wall insulation i.e. Dritherm (k = 0.036) to perimeter of Wc
100mm loadbearing insulation blocks i.e. Hemelite (k = 0.44)

All to be tied together using stainless steel wall ties positioned at distance not exceeding 900mm horizontally, 450mm vertically and staggered. To be at every block course vertically at all returns and reveals.

Internal finish – Wc only - to be 12mm render with gypsum plaster skim finish to give a 'U' value of 0.414W/mK

DPC in Walls
To be a min. 150mm above finished ground level
An insulating vertical cavity closer and dpc, i.e. Thermabate, is to be provided to all cavity closures.
A dpc cavity tray, stepped as applicable, is to be constructed within the wall immediately above an abutment.

LINTELS

Lintels to be Catnic, or similar and equivalent, to have a min. 150mm end bearing and be installed in strict accordance with manufacturers instructions with a dpc cavity tray over where applicable.

Lintels over internal openings to be Catnic CN102 lintels unless specified otherwise.

Lintels to be protected with min. 15mm gypsum plaster skim finish to give a min. half hour fire protection.

WINDOWS & DOORS

Windows and doors to be purpose made, double glazed with 12mm air gap to sealed units and weather stripped.

Glazing to windows less than 800mm and doors (include sidelights to doors) less than 1500mm above floor level is to be laminated or toughened glass in accord with BS6206 : 1981.

WINDOW/DOOR & LINTEL SCHEDULE

Location	window/door ref.	lintel ref. &	length
1	1.0 wide x 1.05 dp	CG50/100	1350
2	0.9 " x 2.05	CG50/100	1200
3	garage door & frame	CGH50/100	2700
4	as 3 above		
5	as 3 above		

VENTILATION

The wc is to be mechanically ventilated direct to the external air. Extractor to be capable of a min. 3No. air changes per hour and to incorporate a 15 minute over-run period.

HOT WATER SYSTEM

A wall mounted electric heater is to be installed in the wc controlled by a frost stat.

Hot water to be provided to the wash hand basin by an electric instantaneous water heater.

DRAINAGE

Surface
Excavate for and lay in where indicated 100mm diam. flexible jointed UPVC drains on 100mm pea gravel bed from 100mm diam. upturned bend at base of downpipe to surface water soakaway.

Form soakaway where indicated a min. 5.0m from the nearest building. Excavate 1200 x 1200 x 1200mm deep, backfill with brick rubble to 300mm below ground level, lay in sheet polythene and make up with vegetable soil.

Foul
Supply and install proprietary upvc inspection chambers on 100mm pea gravel bed in strict accordance with manufacturers instructions. Inspection chambers to conform to the following sizes : -

Depth	Internal diam	Cover diam
.6m or less	190mm	190mm
1.0m or less	450 mm	450mm
1.5m or less	1050mm	600mm
over 1.5m	1200mm	600mm

Excavate for and lay in where indicated 100mm diam. flexible jointed upvc drains on 100mm pea gravel bed at a gradient of 1 : 70.

Where flexible pipes are not under a road and have less than 600mm cover they are to have concrete paving slabs laid as bridging above the pipes for protection and are to have a min. 75mm granular material between the top of the pipe and the underside of he slab.

Where flexible pipes are under a road/drive with less than 900mm cover reinforced concrete bridging is to be used instead of paving slabs.

Install where indicated a 100mm diam. soil and vent pipe jointed to 100mm diam. upturned bend at base. Finish at top, a min. 900mm above window head height, with a durable cage.

Install 40mm diam. prc waste to wash basin with 75mm deep trap.
All waste pipes to have rodding access at each change of direction and be readily accessible throughout their length.

ROOF CONSTRUCTION

Tiles
The roof is to be covered with interlocking simulated slate roof tiles fixed in strict accordance with manufacturers instructions.

Battens
Approved quality tanalised s/w battens, 38 x 25mm, are to be laid at a gauge suitable for the tiles and fixed with 90 x 3.35mm wire nails. Battens should be at least 1.2m in length and should be of sufficient length to be supported at each end and intermediately by at least three rafters, trusses or walls. Butt joints over intermediate supports should be staggered and the ends must be sawn.

Underlay
Approved reinforced roofing felt, type 1F to BS 747, is to be laid over the rafters lapped 150mm at the joins and secured with clout nails. The underlay should extend over the fascia board and into the eaves gutter. In order to prevent water traps behind the fascia it is recommended that a strip of 8mm marine plywood is provided to support the underlay. The ply is to be laid over the rafters and under the roofing felt positioned as close as possible to the last tiling batten and secured to the fascia.

Eaves
Eaves are to be formed with standard size tiles and purpose made eave fitters must be nailed to the fascia board. Eave tiles must be laid at the same pitch as the main body of tiling and should overhang the fascia by an amount sufficient to ensure that the water discharges into the centre of the gutter.

Verges
Verges are to be formed with 150mm wide asbestos cement strip onto which is bedded the tiles which form the verge projecting approx. 50mm over bargeboards or gable brickwork.

Ridge
The ridge is to be covered with segmental ridge tiles of the same colour as the main body of tiling, unless specified otherwise, and secured using a proprietary ventilated dry ridge system having ventilation equivalent to a continuous 6mm gap.

Mortar
All bedding mortar is to consist of 3 parts sharp sand to 1 part Portland cement and should be struck off to give a smooth face and pointed in one operation.

Trusses
Gangnail trusses, 30° pitch, at 600mm centres to be designed, fixed and braced in accordance with BS5268 : pt3 : 1985 and secured to wall plate with proprietary stainless steel clips.

Manufacturers details and calculations in respect of prefabricated trusses, include compound roof trusses, are to be submitted to the Local Authority Building Control Dept. for approval at least 28 days prior to fixing on site.

Truss positions and bracing shown is indicative only and is to be confirmed/superseded by truss manufacturer.

All bracing to be 100 x 25mm.

Insulation WC area only
To be Rockwool Rollbatts (k = 0.037 W/mK), 150mm laid between joists with a further layer of 80mm laid at right angles over the top.

Ceilings
Ceiling to garage to be 12.7mm Gypsum Fireline Board with 50mm cover strips to joints to give a half hour fire resistance.

Rainwater Goods
Supply and fix 115mm PVC gutters to fascia with all necessary brackets, stop ends, outlets etc.

Supply and fix 64mm PVC downpipes securely clipped to walls at 1800mm cts with all necessary offsets, swannecks, adaptors etc. and taken into 100mm diam. upturned bend at base.

STRAPPING

Where rafters, floor joist and ceiling ties run parallel to walls they are to be strapped at 1800mm cts. Straps to be fixed to a min. 3No. rafters etc., having nogged between beforehand, and hooked into the cavity a min. 150mm.
Similar straps to be used at 1800mm cts to hold down the wall plate.

Straps to be 30 x 6mm galv. m.s.

SOUTH HOLLAND DC
HOUSING & PLANNING
10 JUL 2001
Ref: 0860/01

A		
.	Date	Revisions

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East Midlands Design Associates
"Willow Ledge",
Horseshoe Road,
Spalding,
Lincs. PE11 3JA
Tel: Spalding (0775) 767966

Client
Mr. T. Tebbutt.

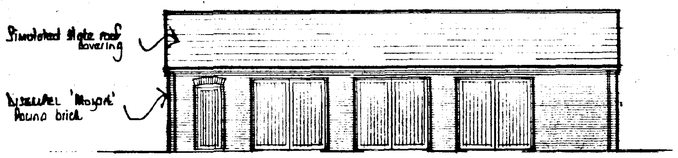
Job Title
Proposed workshop, garages & the alteration with drive, barn & stabling.

Drawing Title
Plan, section & elevations

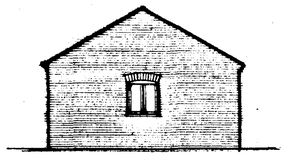
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Date July 01 | Drawn by AL

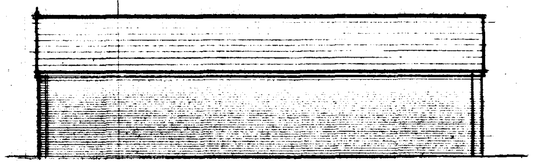
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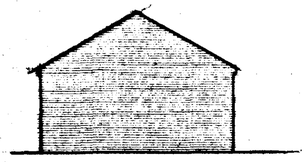
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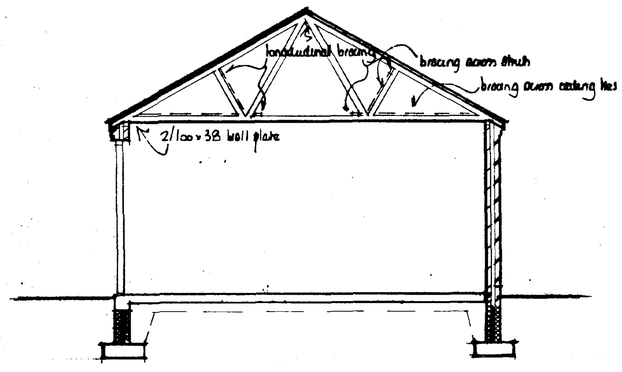
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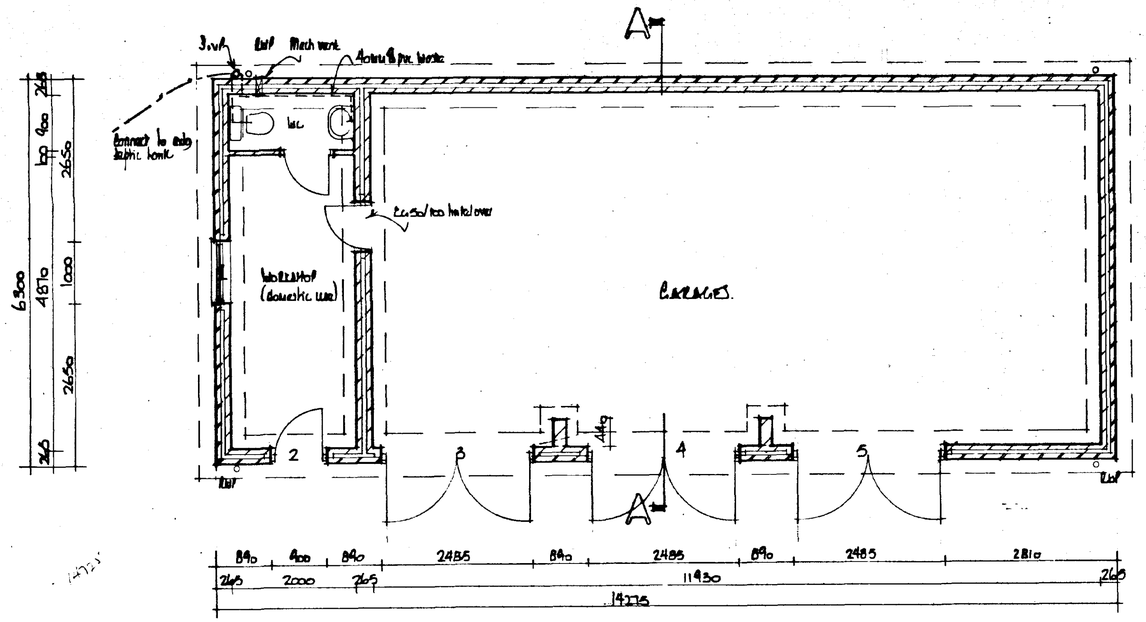
s west



n west



A - A



ground floor plan

FOUNDATIONS

Foundations to be ST4 grade concrete

For 265mm walls foundations to be 700 x 230mm

Foundations to be taken down to a firm loadbearing strata, a min. 1.0m if in shrinkable sub soil, in accordance with the requirements of the Local Authority Building Control Dept. and in accord with the NHBC guidelines for building near trees.
Site soil surveys are recommended in respect of foundations to establish specific site conditions before foundation work is undertaken.

FLOOR CONSTRUCTION

Ground
125m ST4 grade oversite concrete
1200g polythene damp proof membrane
25mm sand blinding
100mm compacted hard-core - if in excess of 100mm fill, to a max. 600mm, the hard-core is to be laid and compacted in layers not exceeding 150mm.
Strip off all vegetable soil beneath proposal

WALL CONSTRUCTION

Below Ground
To be 100mm Class A concrete blocks
Cavity to be filled to 225mm below lowest dpc level with lean mix concrete

Above Ground
To be 265mm o/a constructed as follows :-

100mm facing brick (to be FL quality below dpc level)
65mm cavity insulated with mineral wall insulation i.e. Dritherm (k = 0.036) tp perimeter of Wc
100mm loadbearing insulation blocks i.e. Hemelite (k = 0.44)

All to be tied together using stainless steel wall ties positioned at distance not exceeding 900mm horizontally, 450mm vertically and staggered. To be at every block course vertically at all returns and reveals.

Internal finish – Wc only - to be 12mm render with gypsum plaster skim finish to give a 'U' value of 0.414W/mK

DPC in Walls
To be a min. 150mm above finished ground level
An insulating vertical cavity closer and dpc, i.e. Thermabate, is to be provided to all cavity closures.
A dpc cavity tray, stepped as applicable, is to be constructed within the wall immediately above an abutment.

LINTELS

Lintels to be Catnic, or similar and equivalent, to have a min. 150mm end bearing and be installed in strict accordance with manufacturers instructions with a dpc cavity tray over where applicable.

Lintels over internal openings to be Catnic CNT02 lintels unless specified otherwise.

Lintels to be protected with min. 15mm gypsum plaster skim finish to give a min. half hour fire protection.

WINDOWS & DOORS

Windows and doors to be purpose made, double glazed with 12mm air gap to sealed units and weather stripped.

Glazing to windows less than 800mm and doors (include sidelights to doors) less than 1500mm above floor level is to be laminated or toughened glass in accord with BS6206 : 1981.

WINDOW/DOOR & LINTEL SCHEDULE

Location	window/door ref.	lintel ref. &	length
1	1.0 wide x 1.05 dp	CG50/100	1350
2	0.9 " x 2.05	CG50/100	1200
3	garage door & frame	CGH50/100	2700
4	as 3 above		
5	as 3 above		

VENTILATION

The wc is to be mechanically ventilated direct to the external air. Extractor to be capable of a min. 3No. air changes per hour and to incorporate a 15 minute over-run period.

HOT WATER SYSTEM

A wall mounted electric heater is to be installed in the wc controlled by a frost stat.

Hot water to be provided to the wash hand basin by an electric instantaneous water heater.

DRAINAGE

Surface
Excavate for and lay in where indicated 100mm diam. flexible jointed UPVC drains on 100mm pea gravel bed from 100mm diam. upturned bend at base of downpipe to surface water soakaway.

Form soakaway where indicated a min. 5.0m from the nearest building. Excavate 1200 x 1200 x 1200mm deep, backfill with brick rubble to 300mm below ground level, lay in sheet polythene and make up with vegetable soil.

Foul
Supply and install proprietary upvc inspection chambers on 100mm pea gravel bed in strict accordance with manufacturers instructions. Inspection chambers to conform to the following sizes : -

Depth	Internal diam	Cover diam
.6m or less	190mm	190mm
1.0m or less	450 mm	450mm
1.6m or less	1050mm	600mm
over 1.6m	1200mm	600mm

Excavate for and lay in where indicated 100mm diam. flexible jointed upvc drains on 100mm pea gravel bed at a gradient of 1 : 70.

Where flexible pipes are not under a road and have less than 600mm cover they are to have concrete paving slabs laid as bridging above the pipes for protection and are to have a min. 75mm granular material between the top of the pipe and the underside of he slab.

Where flexible pipes are under a road/drive with less than 900mm cover reinforced concrete bridging is to be used instead of paving slabs.

Install where indicated a 100mm diam. soil and vent pipe jointed to 100mm diam. upturned bend at base. Finish at top, a min. 900mm above window head height, with a durable cage.

Install 40mm diam. pvc waste to wash basin with 75mm deep trap.
All waste pipes to have rodding access at each change of direction and be readily accessible throughout their length.

ROOF CONSTRUCTION

Tiles
The roof is to be covered with interlocking simulated slate roof tiles fixed in strict accordance with manufacturers instructions.

Battens
Approved quality tanalised s/w battens, 38 x 25mm, are to be laid at a gauge suitable for the tiles and fixed with 90 x 3.35mm wire nails. Battens should be at least 1.2m in length and should be of sufficient length to be supported at each end and intermediately by at least three rafters, trusses or walls. Butt joints over intermediate supports should be staggered and the ends must be sawn.

Underlay
Approved reinforced roofing felt, type 1F to BS 747, is to be laid over the rafters lapped 150mm at the joins and secured with clout nails. The underlay should extend over the fascia board and into the eaves gutter. In order to prevent water traps behind the fascia it is recommended that a strip of 6mm marine plywood is provided to support the underlay. The ply is to be laid over the rafters and under the roofing felt positioned as close as possible to the last tiling batten and secured to the fascia.

Eaves
Eaves are to be formed with standard slate tiles and purpose made eave fillers must be nailed to the fascia board. Eave tiles must be laid at the same pitch as the main body of tiling and should overhang the fascia by an amount sufficient to ensure that the water discharges into the centre of the gutter.

Verges
Verges are to be formed with 150mm wide asbestos cement strip onto which is bedded the tiles which form the verge projecting approx. 50mm over bargeboards or gable brickwork.

Ridge
The ridge is to be covered with segmental ridge tiles of the same colour as the main body of tiling, unless specified otherwise, and secured using a proprietary ventilated dry ridge system having ventilation equivalent to a continuous 6mm gap.

Mortar
All bedding mortar is to consist of 3 parts sharp sand to 1 part Portland cement and should be struck off to give a smooth face and pointed in one operation.

Trusses
Gangnail trusses, 30° pitch, at 600mm centres to be designed, fixed and braced in accordance with BS5268 : pt3 : 1985 and secured to wall plate with proprietary stainless steel clips.

Manufacturers details and calculations in respect of prefabricated trusses, include compound roof trusses, are to be submitted to the Local Authority Building Control Dept. for approval at least 28 days prior to fixing on site.

Truss positions and bracing shown is indicative only and is to be confirmed/superseded by truss manufacturer.

All bracing to be 100 x 25mm.

Insulation WC area only
To be Rockwool Rollbatts (k = 0.037 W/mK), 150mm laid between joists with a further layer of 80mm laid at right angles over the top.

Ceilings
Ceiling to garage to be 12.7mm Gypsum Fireline Board with 50mm cover strips to joints to give a half hour fire resistance.

Rainwater Goods
Supply and fix 115mm PVC gutters to fascia with all necessary brackets, stop ends, outlets etc.

Supply and fix 64mm PVC downpipes securely clipped to walls at 1800mm cts with all necessary offsets, swannecks, adaptors etc. and taken into 100mm diam. upturned bend at base.

STRAPPING

Where rafters, floor joist and ceiling ties run parallel to walls they are to be strapped at 1800mm cts. Straps to be fixed to a min. 3No. rafters etc., having nogged between beforehand, and hooked into the cavity a min. 150mm.
Similar straps to be used at 1800mm cts to hold down the wall plate.

Straps to be 30 x 6mm galv. m.s.

SOUTH HOLLAND DC
HOUSING & PLANNING
6 AUG 2001
Ref: 860/01

A	July 01	Garage door/Skylight added
.	Date	Revisions

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East Midlands Design Associates
"Willow Lodge",
Horseshoe Road,
Spalding,
Lincs. PE11 3JA
Tel: Spalding (0775) 767968

Client
Mr. + Mrs. Abbott

Job Title
Proposed Workshop, Garages at
The Bungalow
North Drove Bank
Spalding.

Drawing Title
Plan, Section & Elevations

AMENDED PLAN
Ref. A/1

Scale 1:50, 1:100

Date July 01 | Drawn by AL

Drg. No. 01/33/01 | Rev. A