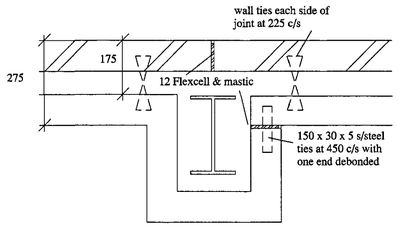
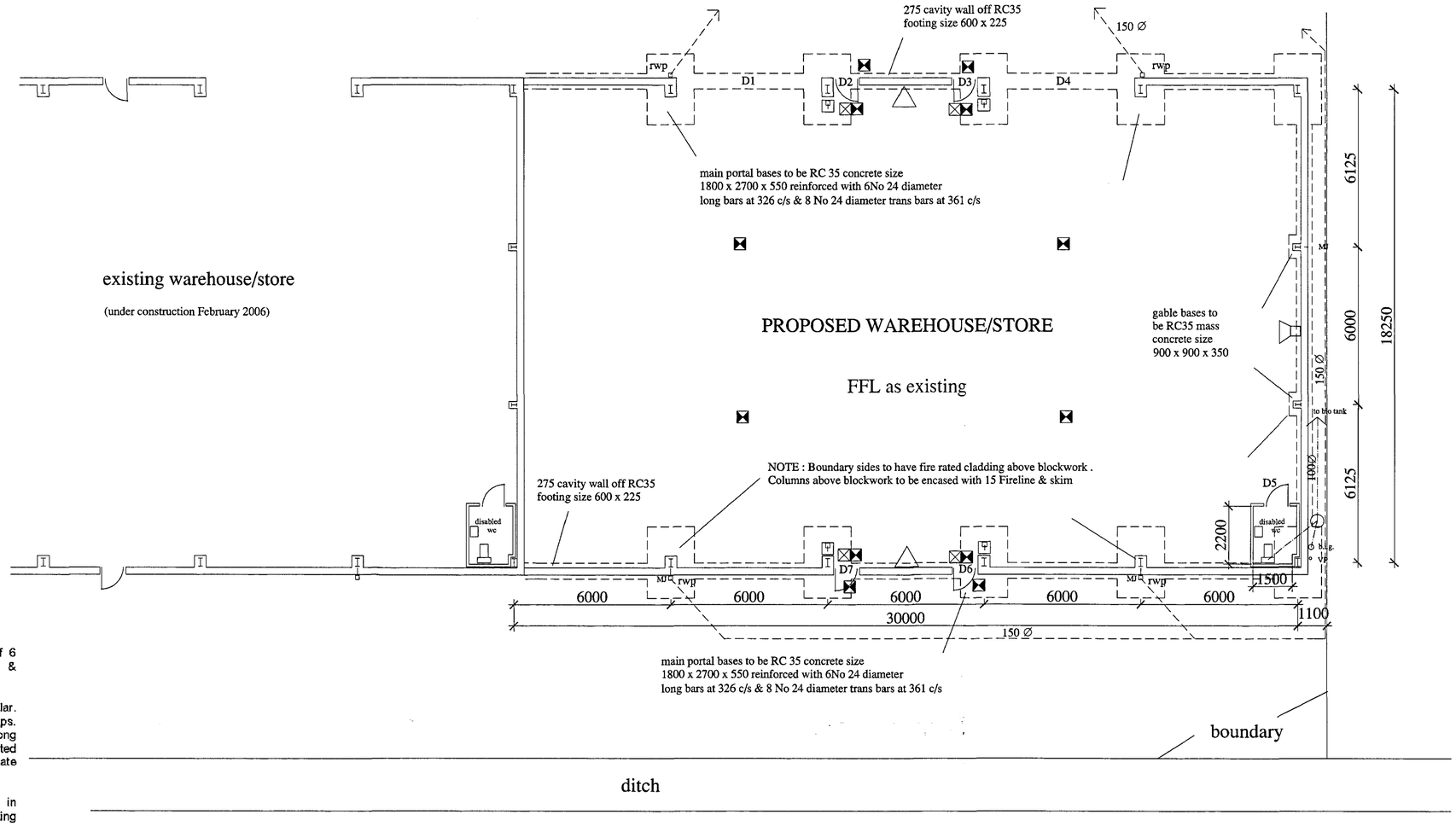
SCHEDULE OF OPENINGS

Ref	Opening size	Description	Lintel (Catnic)	Length
D1	5500 x 4000	Insulated roller shutter doors	Nil	
D2	1000 x 2100	Metal fire exit door & frame	CN3	1350
D3	1000 x 2100	Metal fire exit door & frame	CN3	1350
D4	5500 x 4000	Insulated roller shutter doors	Nil	
D5	1000 x 2025	926 x 1981 internal ply faced door	CN5X	1350
D6	1000 x 2100	Metal fire exit door & frame	CN3	1350
D7	1000 x 2100	Metal fire exit door & frame	CN3	1350



MOVEMENT JOINT DETAILS 1 : 10



NOTES

Foundations – Concrete in foundations to be RC 35 with minimum cement content of 300 kg/m3 and reinforced all as South Lincs Consulting structural calculations Ref 06-0010 pages 43 to 54. Blockwork below dpc to be in Class A blocks with cavities filled to ground level with weak mix concrete. Form Hyload dpc's.

Ground Slab - 200 min hardcore blinded with sand, 1200 poly dpm and 200 thick RC35 concrete slab reinforced with two layers of A193 mesh with power float finish. Form joints in slab as detailed on page 55 & 56 of SLC calculations.

Walls - External cavity walls formed with facings, 75 cavity filled with Dritherm & 100 thick standard aircrete insulating blocks by Celcon, Thermalite or similar to give maximum U value of 0.35 W/m2k. Cavity walls tied together with stainless steel ties at rate of 5/m2 with additional ties around openings. Cavities to be closed around openings with blockwork and 150 wide insulated dpc's. Door frames set back in reveal so that frames cloak insulation by at least 25mm. Build up 100 internal block walls off reinforced slab. Form movement joints in brickwork & blockwork as detailed. Bond new walls to existing with Furfix or similar profiles pointed externally with mastic.

Steelwork & Cladding - For details of structural steelwork, connections and cladding see South Lincs Consulting structural calculations Ref 06-0010. Fabrication to BS 5950, erection to BS 5950 Part 2. Provide all fabrication details. All structural steelwork to be treated with zinc phosphate primer prior to delivery. Touch up damaged areas on site. Supply all necessary holding down bolts, cones etc & cast into concrete foundations. Roofs to be cladded with composite insulated panels 80 thick with U value 0.25 W/m2k. Walls to be to be cladded with composite insulated panels 60 thick with U value 0.35 W/m2k .Roof areas to have 15 % rooflights with U value 2.0 W/m2k. Galvanised steel purlins, rails , sag bars etc. Allow for all necessary flashings, trims, ridges & drips etc. Form Trimline or similar matching colour gutters and 100 square rainwater pipes.

Limiting Thermal Bridging & Air Leakage - This to be achieved by adopting recommendations of report on "robust construction details TSO 2001".

External Doors - Roller shutter doors to be size 5500 wide x 4000 high & insulated to give U value of 0.70 W/m2K. Fire exit doors to be metal size 1000 wide x 2100 high & to have panic latch & fire exit sign.

Heating & Hot Water – Heating and hot water to be electrical system

Ventilation - Toilet to have mechanical extract of 6 litres/second per wc or 3 air changes per hour & background of 4000mm2 per wc.

Wastes & Vent Pipes - Wastes to be Osma or similar. 32 diameter to basins ; all with 76mm deep seal traps. Where basin wastes branches between 1.7m to 3m long increase to 40 diameter. Anti-syphonic traps to be fitted where appropriate. 100 diameter vent pipes to terminate with balloon grating 900 above opening.

Lighting - Lighting systems will be designed in accordance with Part L2 of building regulations relating to efficacy & controlability of general lighting

Fire Alarm, Emergency Lighting & Fire Exit Signs - Fire alarm system to be installed to BS 5839. Emergency lighting to BS 5266. Fire fighting equipment to BS 5306 & signs and notices to BS 5499.

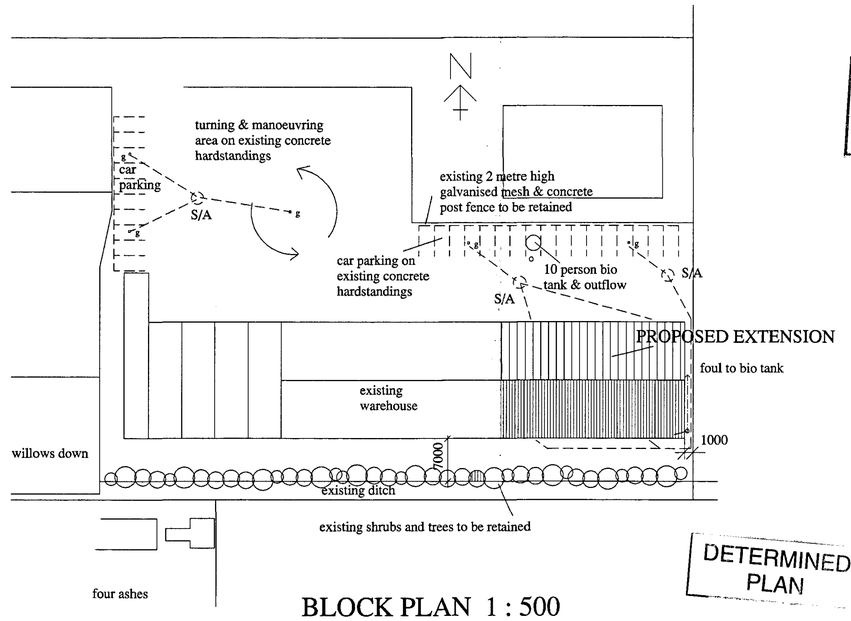
Drainage – Surface water drains to be 150 diameter upvc bedded & surrounded in 150 thick pea gravel and connected to soakaways Drains under building to be encased in 150 thick concrete. Precast concrete lintels to be inserted over drains where passing through walls below ground. Surface water drains at fall of 1 : 100 to soakaways minimum 5 metres from buildings and roads. Foul drains to be 100 diameter upvc bedded & surrounded in 150 pea gravel at fall of 1 : 80. Inspection chambers for foul drains to be 475 diameter upvc.. Foul to discharge into 10 person biotech foul treatment plant to BS 7781 and discharge to be sited minimum 10 metres from buildings or watercourse. Drainage field to be 100 diameter perforated pipe to fall of 1:200 on a 300 layer of clean shingle graded between 20 to 50mm. Provide notice setting out maintenance procedures.

Document M - Disabled wc to be as Part M Diagram 18, 19 & 20 of building regulations as amended 2004. Disabled WC to have 38 x 125 C16 ceiling joists over at 400 c/c with 15 Fireline & skim ceiling.

Certificates - Design, installation & commissioning certificates to be provided at completion of works for electrical, fire alarm and emergency lighting systems.

KEY TO FIRE PRECAUTIONS

- Emergency light
- Fire exit internally illuminated
- Manual call point
- Sounder
- S — Smoke detector
- K — Heat detector
- 2Kg foam extinguisher
- Fire blanket
- VP — Vision panel in half hour fire door



BLOCK PLAN 1 : 500

SHDC
PLANNING & DEVELOPMENT
14 FEB 2006
Ref. 0214/06

DETERMINED PLAN

See also Drawing 0625/ 2

D. W. Bradley
chartered surveyor
Hawthorn Lodge, Church Lane, Algarkirk, Boston, Lincs PE20 2HH
Tel : (01205) 460944
Fax : (01205) 460911
Mobile : 07946 569326
EMail : dwb@dwbradley.force9.co.uk

client : VAN MEUWEN

project : WAREHOUSE EXTENSION
SPALDING DROVE
CLAY LAKE
SPALDING - PHASE 2

title : PLANS/BLOCK PLAN

date :FEB 2006 scales : 1 : 100

RICS drg.no. 0625/ 1