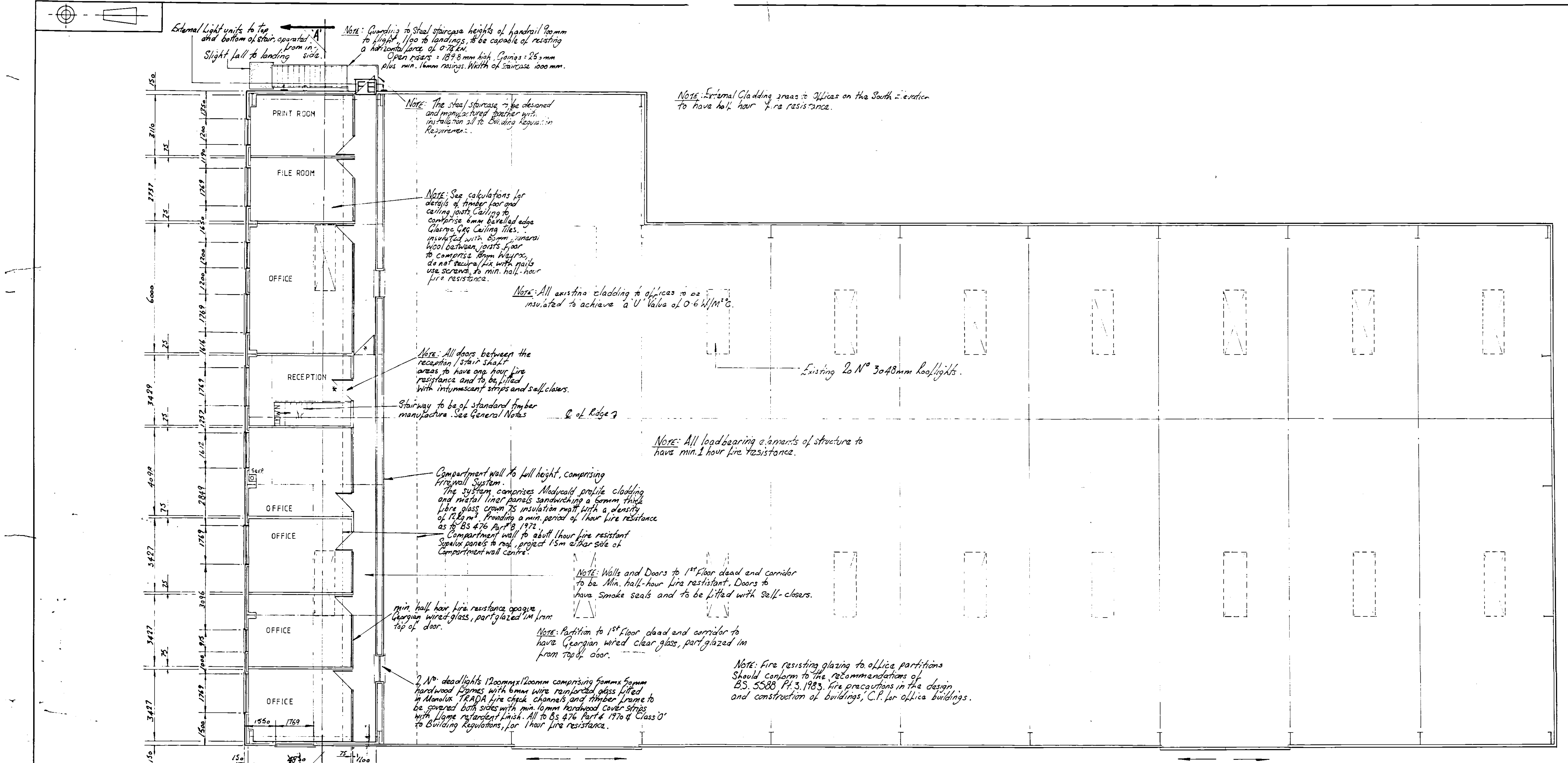


External Light units to top and bottom of stair, operated from inside.

Slight fall to landing

Note: Guarding to Steel staircase heights of handrail 900mm to flight, 1100 to landings, to be capable of resisting a horizontal force of 0·74 kN. Open risers : 189·8 mm high, Goings : 253 mm plus min. 16mm nosings. Width of staircase 1000 mm.

Note: The steel staircase to be designed and manufactured together with installation all to Building Regulation Requirements.

Note: External Cladding areas to Offices on the South Elevation to have half hour fire resistance.

Note: See calculations for details of timber floor and ceiling joists. Ceiling to comprise 6mm bevelled edge Glasroc GRG Ceiling tiles. insulated with 60mm mineral Wool between joists. Floor to comprise 18mm Weyroc, do not secure/fix with nails use screws, to min. half-hour fire resistance.

Note: All existing cladding to offices to be insulated to achieve a 'U' Value of 0·6 W/M²°C.

Existing 20 N° 3048mm Rooflights.

Note: All doors between the reception / stair shaft areas to have one hour fire resistance and to be fitted with intumescent strips and self closers.

Stairway to be of standard timber manufacture. See General Notes

℄ of Ridge

Note: All loadbearing elements of structure to have min. 1 hour fire resistance.

Compartment wall to full height, comprising Firewall System. The system comprises Moduclad profile cladding and metal liner panels sandwiching a 60mm thick fibre glass crown 75 insulation matt with a density of 12kg m³. Providing a min. period of 1hour fire resistance as to BS 476 Part 8 1972. Compartment wall to abutt 1hour fire resistant Supalux panels to roof, project 1·5m either side of Compartment wall centre.

Note: Walls and Doors to 1st Floor dead end corridor to be Min. half-hour fire restistant. Doors to have smoke seals and to be fitted with self-closers.

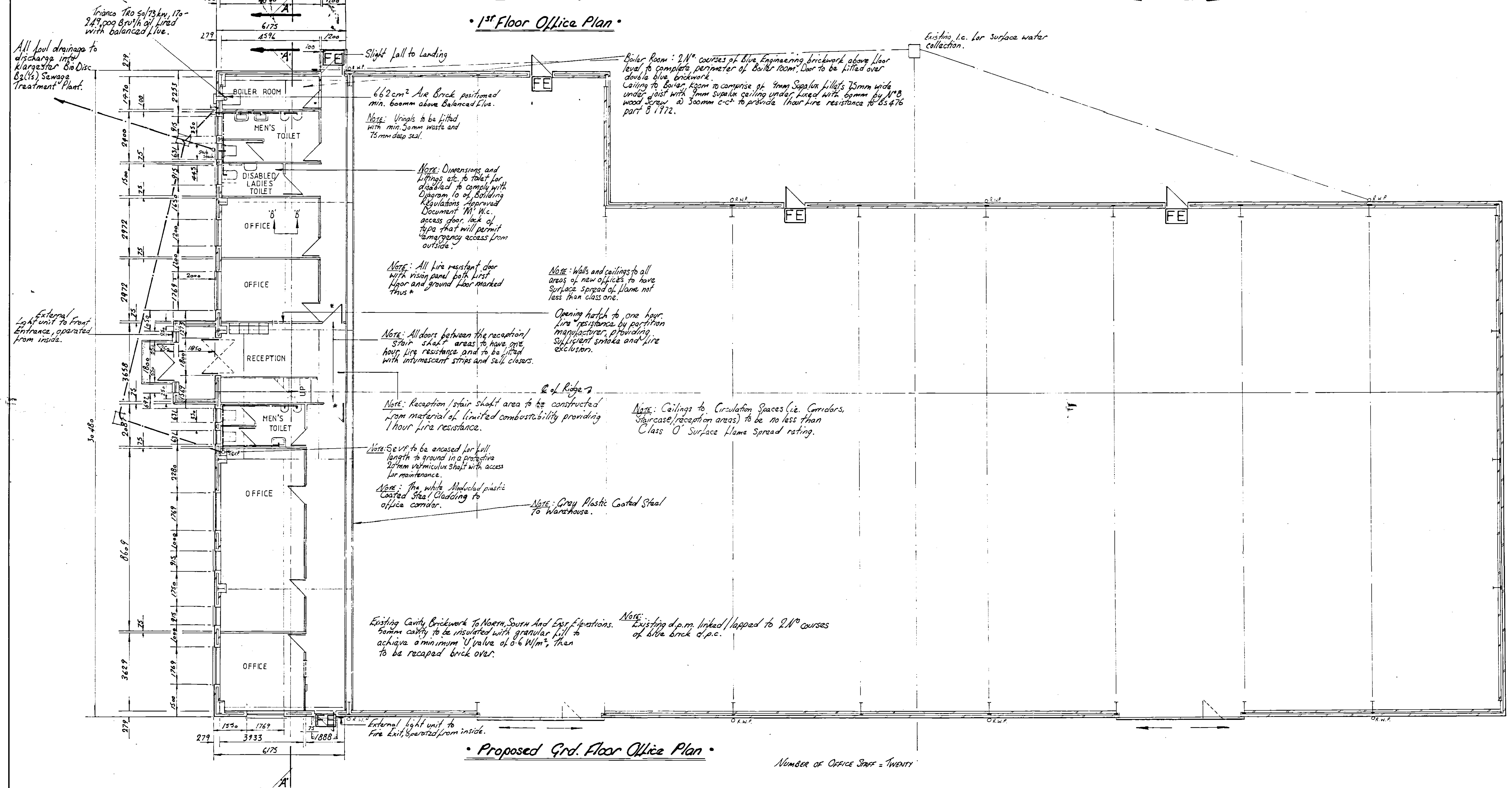
min. half hour fire resistance opaque Georgian wired glass, part glazed 1M from top of door.

Note: Partition to 1st Floor dead end corridor to have Georgian wired clear glass, part glazed 1M from top of door.

Note: Fire resisting glazing to office partitions Should conform to the recommendations of BS. 5588 Pt. 3. 1983. 'Fire precautions in the design and construction of buildings,' C.P. for office buildings.

2 N°. deadlights 1200mm x 1200mm comprising 50mm x 50mm hardwood frames with 6mm wire reinforced glass fitted in Monolux TRADA fire check channels and timber frame to be covered both sides with min. 10mm hardwood cover strips with flame retardent finish. All to Bs 476 Part 4 1970 & Class 'O' to Building Regulations, for 1hour fire resistance.

• 1st Floor Office Plan •



Trianco TRO 50/73 kw, 170-249,000 Btu's/h oil fired with balanced flue.

All foul drainage to discharge into Klargester Bio Disc B2(1s) Sewage Treatment Plant.

Slight fall to Landing

Existing I.c. for surface water collection.

Boiler Room : 2N°. courses of Blue Engineering brickwork above floor level to complete perimeter of Boiler room. Door to be fitted over double blue brickwork. Ceiling to Boiler Room to comprise of 9mm Supalux fillets 75mm wide under joist with 9mm supalux ceiling under fixed with 60mm by N°8 wood Screw @ 300mm c-c's to provide 1hour fire resistance to Bs 476 part 8 1972.

662 cm² Air Brick positioned min. 600mm above Balanced Flue.

Note: Urinals to be fitted with min. 50mm waste and 75mm deep seal.

Note: Dimensions and fittings etc. to toilet for disabled to comply with Diagram 10 of Building Regulations Approved Document 'M' W.c. access door, lock of type that will permit emergency access from outside.

Note: All fire resistant door with vision panel both first floor and ground floor marked thus *

Note: Walls and ceilings to all areas of new offices to have Surface spread of flame not less than class one.

Opening hatch to one hour fire resistance by partition manufacturer, providing sufficient smoke and fire exclusion.

External Light unit to Front Entrance, operated from inside.

Note: All doors between the reception/ stair shaft areas to have one hour fire resistance and to be fitted with intumescent strips and self closers.

℄ of Ridge

Note: Reception / stair shaft area to be constructed from material of limited combustibility providing 1hour fire resistance.

Note: Ceilings to Circulation Spaces (i.e. Corridors, Staircase/reception areas) to be no less than Class 'O' Surface flame spread rating.

Note: SVP to be encased for full length to ground in a protective 20mm Vermiculux Shaft with access for maintenance.

Note: The white Moduclad plastic Coated Steel Cladding to office corridor.

Note: Grey Plastic Coated Steel to Warehouse.

Existing Cavity Brickwork To North, South And East Elevations. 50mm cavity to be insulated with granular fill to achieve a minimum 'U' value of 0·6 W/m², then to be recaped brick over.

Note: Existing d.p.m. linked/lapped to 2N° courses of blue brick d.p.c.

External light unit to Fire Exit, operated from inside.

• Proposed Grd. Floor Office Plan •

Number of Office Staff = Twenty

Designed to BS 449

GENERAL NOTES.

1. All drains to be flexibly jointed and be bedded on and surrounded by min. 100 mm pea gravel. In the event of drain encasement flexibility of drains must be maintained.
2. Surface water from roof remains as existing.
3. New i/c's to comprise 600 x 450 x 215 mm thick class B engineering brickwork fair faced internally, off 150mm concrete base, min. 100 mm cover slab with steel inset frame and heavy duty covers.
4. Soil drains to comprise 100 mm. dia. s.g or p.f. drains laid to min. 1:40 fall. 100mm dia., to be fitted with rodding eye and to extend min. 900 mm. above top of any window opening and be terminated with birdproof cage.
5. Min. of 450 mm to be provided above invert level to vertical stacks and their lowest level.

   Min. int., waste pipe dia. for wash basins 32 mm. with 75 mm. deep seal traps.

   Rodding eye access to be provided at each change of waste pipe direction.

   All to BS 8301 below ground level and BS 5572: 1978 above ground level.

   Min. 150 mm. concrete over drains and peagravel surround where passing under hardstanding or vehicle parking areas.

   R/c lintels over pipes passing thro. walls with min. 25mm compressible material around pipes.

   All drains to be of foul drainage quality.

   If any drain trench is lower than the adjacent foundations of the building and is within 1·000M of the building the trench to be filled with concrete up to the lowest level of the building or, where the trench is further than 1M. from the building the trench to be filled with concrete to a level below the lowest level for the building equal to the distance from the building less 150 mm. (see Approved document H. H1 Appendix A11(a)(b) and Diagram A2,).
6. Compartment wall between amenity block and warehouse to have min. of one hour fire resistance. See notes on floor plan.
7. All external windows and doors to comprise white up.v.c frames to sizes and design shown.
8. Catnic CN7 lintels over window openings in external walls and over fire doors/entrance doors. Catnic CN8 over Front Entrance / East Elevation Catnic CN 102 lintels over single internal doors in masonry.

   Catnic lintels: fire resistance of half hour to be achieved by 13mm gypsum plaster to back and soffets.

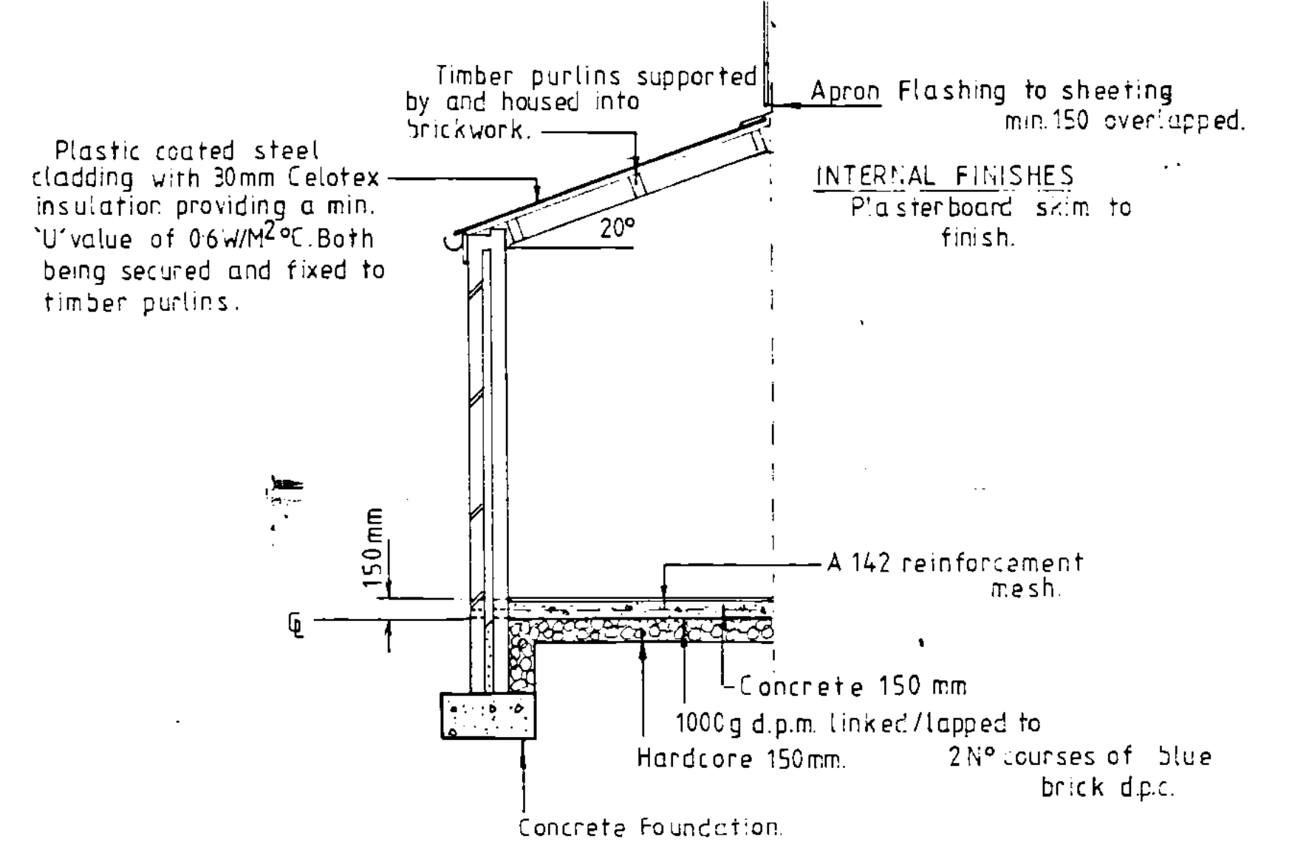
   NOTE lintels to have min. 150mm end bearing and installed to manufacturers instructions.
10. All areas of portal frames (rafters and columns) in two storey areas protected to one hour fire resisting standard as follows: Steel Columns encased in Supalux and rafters treated with intumescent paint.
11. Stairway to be of standard timber construction with non-slip treads and nosings. Treads 250 mm and Risers (solid) 189·8 mm. Stairway 1·200 mm wide with handrail at each side 900 mm high from pitch line of staircase. Handrails to continue on to landing/reception area as far as possible at 1100mm height, all exposed ends rounded.

FRONT ENTRANCE / PORCH.

250mm cavity brick/blockwork with 50mm cavity, height as shown, off 600mm×300 mm concrete strip foundations. Cavity to be filled with weak mix concrete below ground level and sealed at head with brick over 50mm Dritherm to cavity. Two courses class 'A' eng. bricks to d.p.c linked/lapped with 1000g d.p.m to all walls. Cavity wall ties to B.S.1243 1978, max. 450mm. centers vertically and max. 900 mm centers horizontally. Cavity wall ties to be staggered and provided at 225 mm vertical centers at reveals.

Concrete strip foundations to be formed min. 750 mm below outside finished ground level or 1000 mm if shrinkable subsoil is found.

Roof covering - Plastic coated steel and insulated to achieve a 'U' value of 0·6 W/M²°C.


Timber purlins supported by and housed into brickwork.
Apron Flashing to sheeting min. 150 overlapped.
Plastic coated steel cladding with 30mm Celotex insulation providing a min. 'U' value of 0·6 W/M²°C. Both being secured and fixed to timber purlins.
INTERNAL FINISHES
Plasterboard skim to finish.
20°
150mm
A 142 reinforcement mesh.
Concrete 150 mm
1000g d.p.m. linked/lapped to 2N° courses of blue brick d.p.c.
Hardcore 150mm.
Concrete Foundation.

Section Thro.' Front Entrance / Porch.

Scale 1:50

DRAWING No. D.A.G/1675/2 D

D. A. GREEN & SONS Ltd.
HIGH ROAD
WHAPLODE
SPALDING, LINCS.,
PE12 6TL

Tel: HOLBEACH (0406) 370585

GENERAL NOTES

~~ALL HOLES TO BE DIA. FOR DIA. BOLTS EXCEPT WHERE NOTED.~~
~~ALL WELDING TO BE mm FILLET WELD CONT. EXCEPT WHERE NOTED.~~

REVISIONS	BY	DATE
D. Additional information.	J.I.	9·2·90
C. Additional information	J.I.	7·2·90.
B. Additional office to first floor.	J.I.	29·1·90.
A. Amended to fire officer's requirements.	J.I.	24·1·90

S/BLAST	
PAINT	
REPAINT	
SCALE 1:100	DATE
COMP	
DRAWN J.I.	30·10·89
CHKD.	
SENT FOR APPROVAL	
APPROVED WITHOUT COMMENT	
APPROVED WITH COMMENTS	
DRG AMENDED FOR COMMENTS	
DRG ISSUED TO FAB	

F.	W.	SP.	A.	AP.	T.	SM.	CR.
SC.	LP.	RC.	CM.	SO.	ST.	B.	

ARCHITECT

CONSULTING ENGINEER

MAIN CONTRACTOR

PROJECT

SITE ADDRESS
D.A. Green & Sons Ltd.
High Road
Whaplode

DETAILS
Proposed Cladding Offices To Existing Warehouse

GREEN
STRUCTURAL

DRAWING NO. D.A.G./1675/2 D