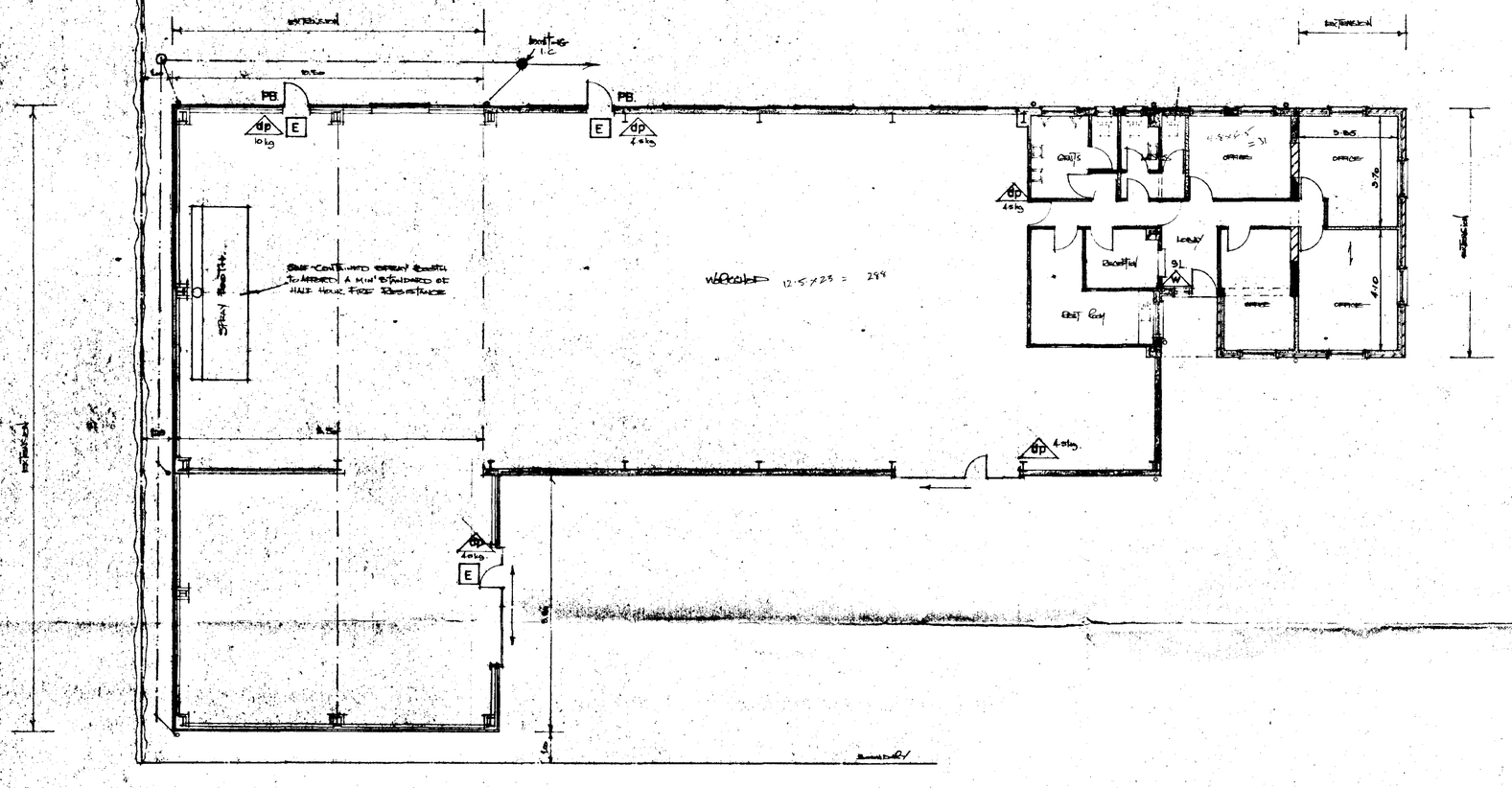
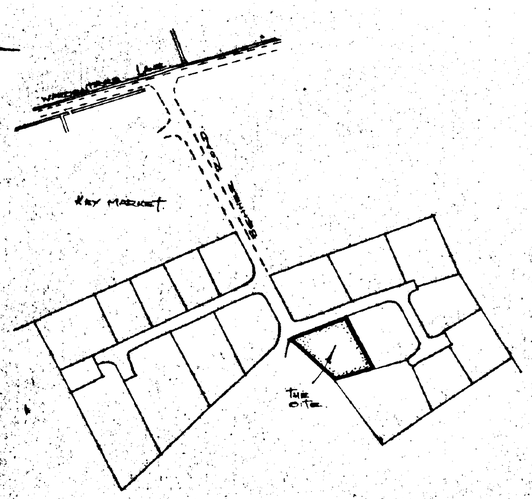
10.5 x 21.0 = 220.5 m²
8.5 x 3.6 = 30.6 m² 30.60
2.8 x 2 = 5.6 m² 5.6
262.05

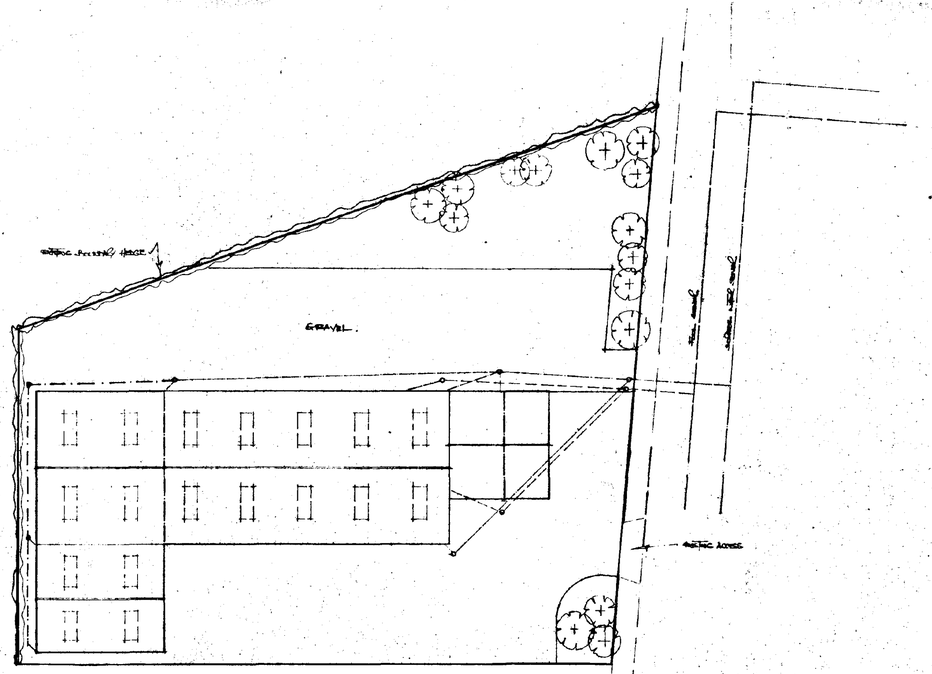
ALL EXTERNAL MATERIALS TO MATCH EXISTING.



PLAN



LOCATION PLAN
SCALE: 1/2500.



SITE PLAN

DETERMINED PLAN

fire officers requirements.
Report: JO/AMF/JAS dated 10.1.80.

PB. - doors to be fitted with panic bar opening devices, with "push bar to open" notices.

E - Provide "fire exit" notices. white block letterss, minimum 100 high on a green background.

4 kg - dry powder fire extinguisher & capacity.

Portable fire extinguishers should be examined & tested at least once annually by a competant person & in accordance with the relevant codes.

SOUTH HOLLAND D.C.
PLAN DEPT
23 JAN 1995
REF. 0061/95

1.1280. Fire officers requirements

G. R. MERCHANT
I.ENG(CEI) FSCET, FAWO,
ARCHITECTURAL, STRUCTURAL & LAND DRAINAGE CONSULTANT
TEL: HOLBEACH (0406) 370853.

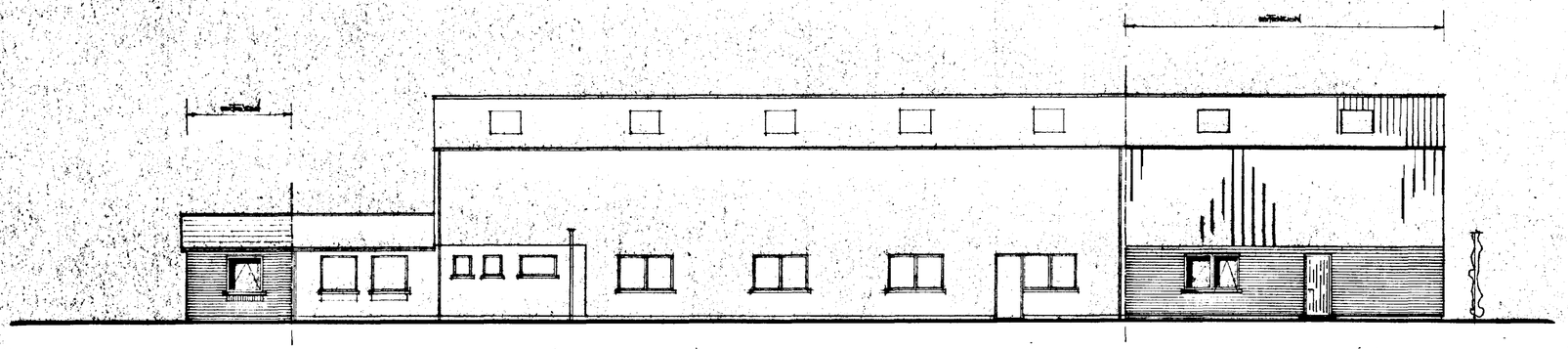
PROJECT:
Proposed extension to offices & workshop
Plot 3 (Phase one).
Benner Road.
Spalding.

CLIENT:
E.B. Brown.
Plot 3.
Benner Road.
Spalding.

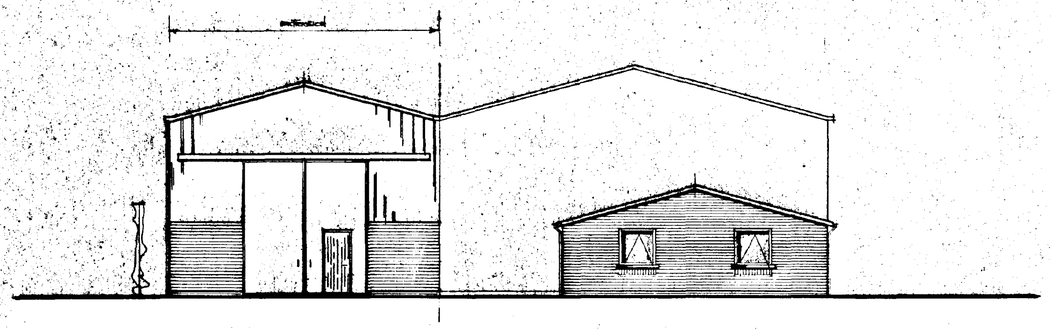
SCALES: 1:100 & 1:250
DATE: Feb '95

DRAWING No.: EBB 1A

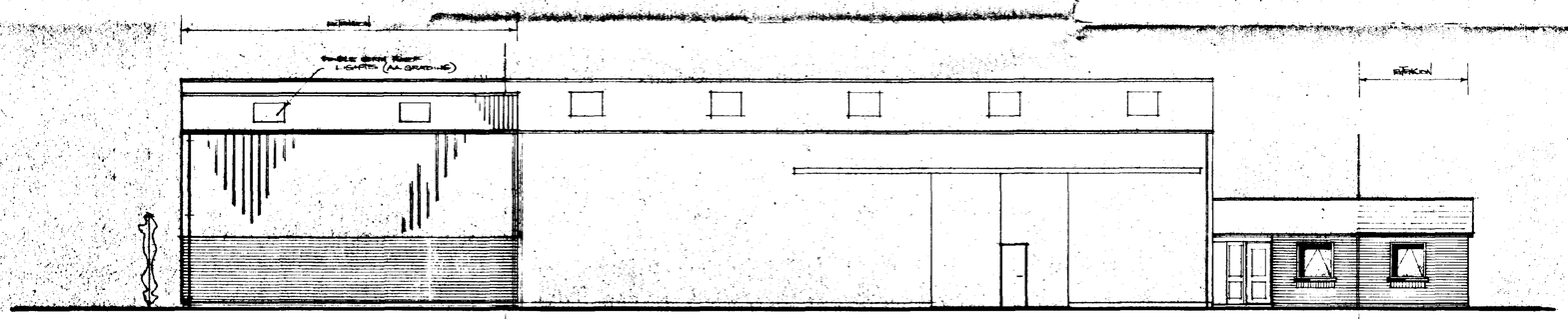
REVISIONS:
1



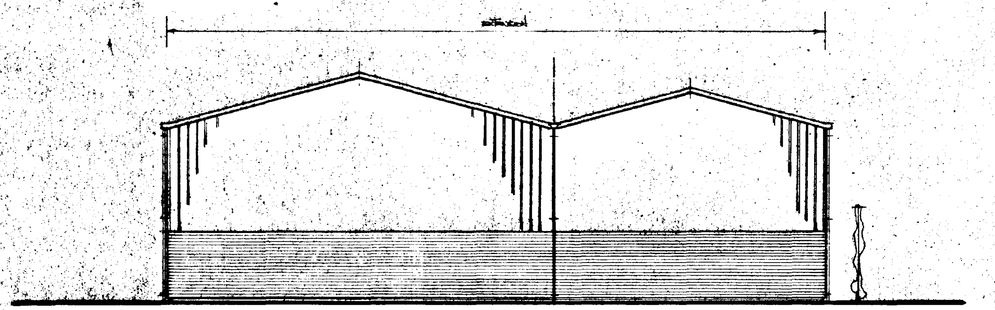
WEST ELEVATION



NORTH ELEVATION



EAST ELEVATION



SOUTH ELEVATION

ALL EXTERNAL MATERIALS TO MATCH EXISTING.

SOUTH [illegible] D.C.
PLAN DEPT
23 JAN 1995
REF. 0061/95

DETERMINED PLAN

G. R. MERCHANT
I.ENG(CEI) FSCET, FAWO,
ARCHITECTURAL, STRUCTURAL & LAND DRAINAGE CONSULTANT
TEL: HOLBEACH (0406) 370853.

PROJECT:
PROPOSED EXTENSIONS TO OFFICES & WORKSHOP
PLOT 9 (ADJ. 8A)
BENNER ROAD,
SPALDING.

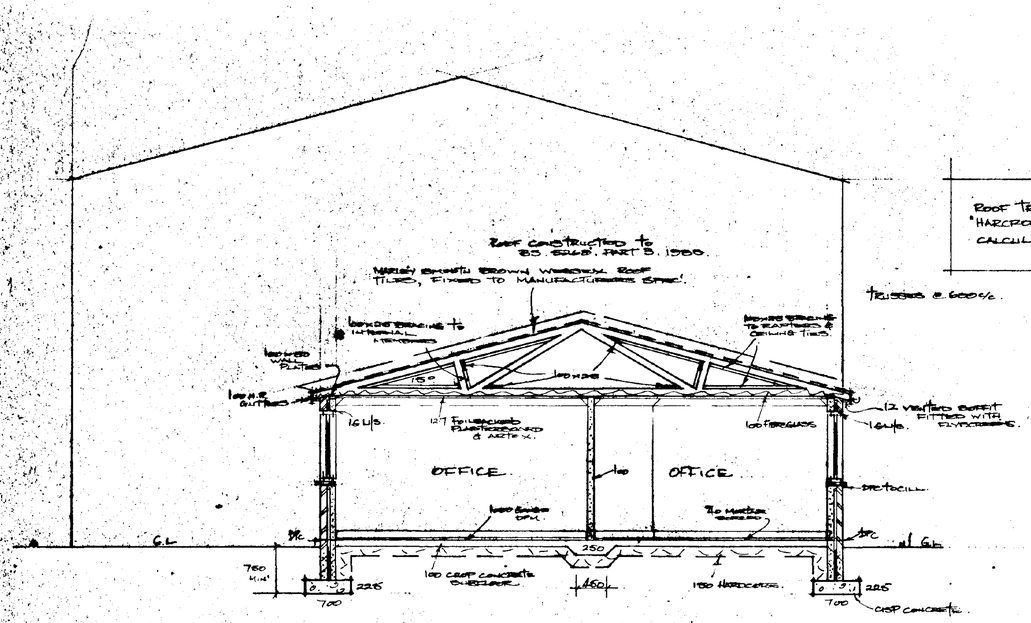
CLIENT:
E.B. BLANN,
PLOT 9,
BENNER ROAD,
SPALDING.

SCALES: 1:100

DATE: FEB '89

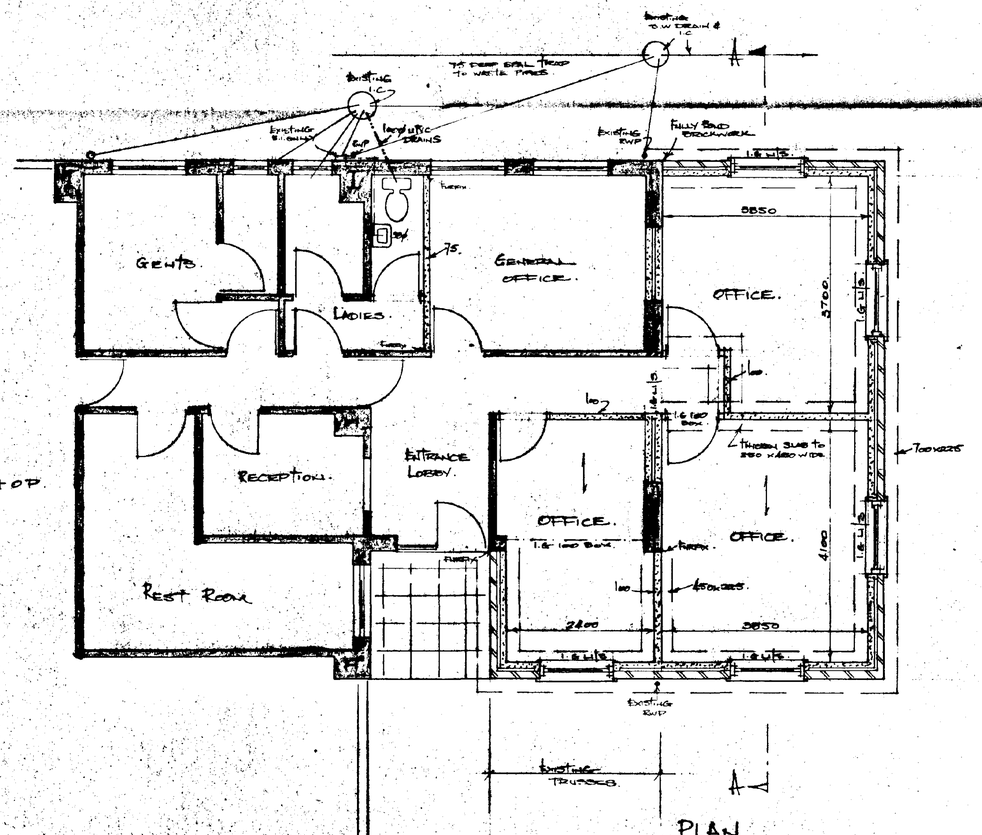
DRAWING No.: EBB 1/1

REVISIONS:

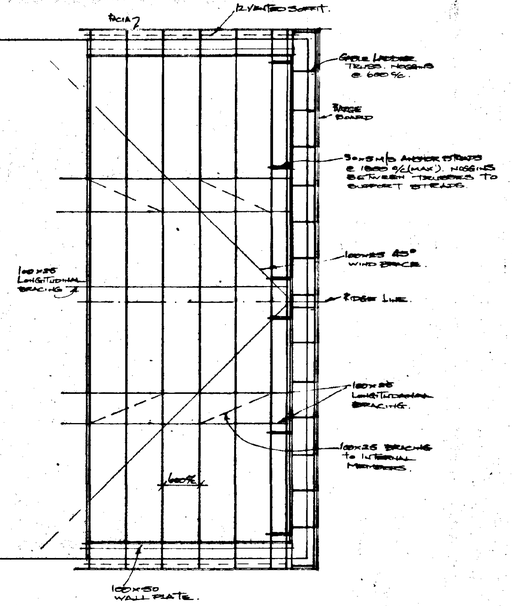


SECTION AA.

ROOF TRUSSED TO BE SUPPLIED BY 'HARCROS' TIMBER & BUILDING SUPPLIERS & CALCULATIONS TO BE SUPPLIED WITH ORDER.



PLAN.



ROOF CONSTRUCTED TO BS. 5268. PART 3. 1988.

ROOF PLAN.

DETERMINED PLAN

SPECIFICATION.

ROOF : MARLEY SMOOTH BROWN WESSEX ROOF TILES FIXED TO MANUFACTURERS SPEC', FIXING OF TILES BASED ON A WIND SPEED OF 44m/s, SINGLE STOREY BUILDING & CATEGORY 2 EXPOSURE. ON 38 x 25 S.W BATTENS ON TYPE 1F ROOFING FELT, LAPPED 150 HORIZONTAL & 100 VERTICAL. PRE-FAB' FINK ROOF TRUSSES @ 600 c/c. 15° PITCH, to BS 5268. PART 3. 1985. TRUSSES STRAPPED AT VERGE & CEILING LEVEL @ 1800 c/c (MAX) WITH 30x5 H/D ANCHOR STRAPS. 100 x 50 WALL PLATES. 100 FIBREGLASS.

CEILINGS: 12.7 foilbacked plasterboard & artex finish.

WALLS : L.B.C. MILTON BUFF FACING BRICKS TO MATCH EXISTING IN 250 CAVITY WALLS. 100 THERMAL INSULATION BLOCKS IN INNER SKIN. INSULATE CAVITY WITH 50 DRI-THERM INSULATION. WALL TIES 900 HORIZONTAL, 450 VERTICAL & EVERY 225 R.J. JAMBS. CLASS 'A' SOLID CONCRETE BLOCKS BELOW DPC. PVCDPC TO ALL WALLS 150 ABOVE FINISHED G.L. PVC DPC TO ALL DOOR & WINDOW OPENINGS & BELOW CILLS. CLOSE CAVITY @ ROOF LEVEL. FILL CAVITY TO 150 BELOW DPC WITH LEAN MIX. DOUBLE GLAZE ALL WINDOWS.

FLOOR : 40 MORTAR SCREED to RECEIVE FLOOR FINISHES ON 100 CONCRETE (C20P) SUBFLOOR ON 1000 GAUGE DPM ON 150 COMPACTED HARDCORE, DPM MADE CONTINUOUS WITH DPC IN WALLS.

FOUNDATIONS: CISP CONCRETE STRIP FOUNDATIONS. 700 x 225 to CAVITY WALLS. THICKEN SLAB TO 250 x 450 WIDE BELOW NON-LOADBEARING PARTITION WALLS. FOUNDATIONS TAKEN DOWN TO SUITABLE LOAD BEARING STRATA, DETERMINED ON SITE WITH S.H.D.C. B.I. INSPECTOR.

RAINWATER : 100 ϕ H.R. GUTTERS, 68 ϕ D/P PIPES.
DISPOSAL : CONNECTED TO EXISTING AS DETAILED.

LINTELS : I.G. STEEL LINTELS TO ALL OPENINGS AS DETAILED, INSTALLED TO MANUFACTURERS SPEC' (150 MIN' END BEARING).

SOUTH HOLLAND D.C.
PLAN DEPT
23 JAN 1995
REF. 0061/95

1. 12.2.95 NOTE on ROOF TRUSS DETAIL.

G. R. MERCHANT
I.ENG(CEI) FSCET, FAWO,
ARCHITECTURAL, STRUCTURAL & LAND DRAINAGE CONSULTANT
TEL: HOLBEACH (0406) 370853.

PROJECT:
EXTENSION to OFFICES & WORKSHOP.
PLOT 9.
BENNER ROAD.
WARDENTREE LANE.
SPALDING.

CLIENT:
E.B.BUNN.
PLOT 9
BENNER ROAD.
WARDENTREE LANE.
SPALDING.

SCALES:	DATE:
1/50	SEPT 1989.
G.R.MERCHANT.	DRAWING No.: 88B.S.A.

REVISIONS:
A.

PURLINS "ZEDA" 170D.

GREY "BIG BOX" COLOURCOAT HON-ASBESTOS CLADDING (TO MATCH EXISTING). 50 CELOTEX WITH GALVANISED TEE BARS

PURLINS ZEDA 170D. RAILS 150D.

152 x 76 RSC. 12 STIFFENERS

178 x 102 x 19 UB

203 x 133 x 25 UB VALLEY BEAM. 1000

254 x 102 x 22. UB.

150 HR GUTTER.

102 x 6 RSC.

12 STIFFENERS.

15°

EXISTING CRANE & BEAM

FELLOWS - STERLING RTD. SWL. 5 TONS.

66 x 76 x 6 UB

FIRE RESISTENCE OF WALLS TO COMPLY WITH BS: 476. PART B. 1972.
0.55 PLASTICOTE INNER SHEET.
to CROWN 70 FIBREGLASS INSULATION.
1.6 GALV. MIN. ZED TO DEED.
0.4 LINER PANEL.
6YEAR PURLIN CONSTRUCTION.
TESTED & CERTIFIED AT WARRINGTON RESEARCH CENTRES.

FLOOR SLAB DESIGN:-
FORK LIFT. - 2000 kg RATING.
5.5 TONNE AXLE LOAD.
ASSUMED 8 HOUR DAY.
10 MOVEMENTS/HOUR.
50 YEARS LIFE EXPECTANCY.
(CEMENT & CONCRETE ASSOCIATION)

203 x 133 x 30 UB.

254 x 146 x 31 UB.

254 x 146 x 43 UB.

FACING BRICKS TO MATCH EXISTING. 50 CAVITY. 100 THERMALOCK BLOCK.

1000 GAUGE DPM

175 CONCRETE (30) REINFORCED FLOOR. A142 MESH 140 FROM FACE. 50 COVER.

200 HIDED & COMETED HARDCORE

700 x 225 STEP FOUNDATIONS to CAVITY WALLS.

700

1500 x 1000

1750 x 1500

1750 x 1250

C20P CONCRETE.

FOUNDATIONS TAKEN DOWN TO SUITABLE LOAD BEARING STRATA, DETERMINED ON SITE WITH S.H.D.C. - BUILDING INSPECTOR.

SECTION AA.

1500 x 1000 x 700

1750 x 1300 x 700

1500 x 1000 x 700

450ø UPVC I.C

1750 x 1250 x 700

254 x 146 x 31 UB.

DRY BACK SPRAY BOOTH. REF: 112555 (SIMILAR) BY BINKS - BLOWS LTD.

700 x 225

1750 x 1500 x 700

FIRE DOOR WITH PANIC BOLTS

1750 x 1250 x 700

1500 x 1000 x 700

EXTENSION UN-HEATED.

EXTENSION UN-HEATED.

203 x 133 x 25 UB VALLEY BEAM.

LONGITUDINAL JOINT.

LONGITUDINAL JOINT.

LONGITUDINAL JOINT.

254 x 146 x 31 UB.

1000

EXISTING RAMP

EXISTING BUILDING

EXISTING I.C

1500 x 1000 x 700

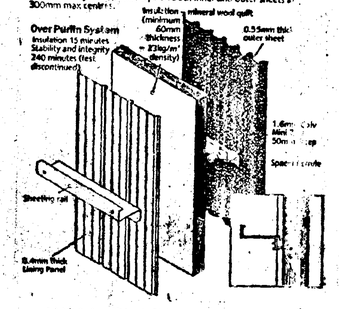
(1500 x 1000) x 700

EXISTING PORTAL FRAME DESIGN TO FACILITATE EXTENSION.

PLAN.

Tested at the Warrington Fire Research Centre, the Cladcoller system complied with the requirements of BS476 Part B for insulation integrity and stability.

The performance of the system is dependent on all components being installed as shown below. In addition all fasteners must be steel including rivets and side laps on both inner and outer sheets at 300mm max centres.



WALL CLADDING.

DETERMINED PLAN

Notes:

STEEL PORTAL FRAME DESIGN TO BS. 5950 IN CONJUNCTION WITH CONSTRADO PUBLICATION STEELWORK DESIGN GUIDE TO BS. 5950 PARTS 1 & 2. WIND LOADING IN CONJUNCTION WITH CP3. CHAPTER. 5. IMPOSED LOADS TO BS 6399. PART 3.

STRUCTURAL DESIGN BY DAVE ALLEN (STRUCTURAL DESIGN SERVICES)

ALL EXPOSED STEELWORK TO BE PROTECTED TO MIN' 1/2 HOUR FIRE PROTECTION USING 'NULLIFIRE' S60 INTUMESCENT PAINT.

SPRAY BOOTH.

DRY BACK SPRAY BOOTH BY BINKS - BULLOWS LTD REF:- 112555 (OR SIMILAR) INSTALLED TO MANUFACTURERS SPEC' & IN COMPLIANCE WITH FIRE OFFICERS REQUIREMENTS.

BOOTH TO PROVIDE CLEAN AIR AT THE OPERATORS BREATHING LEVEL AT A VELOCITY OF AT LEAST 67 m/o IN ACCORDANCE WITH GUIDANCE NOTE EH40 FROM THE HEALTH & SAFETY EXECUTIVE.

SOUTH[illegible] D.C.
PLAN DEPT
23 JAN 1995
REF. 0061/95

P. 4.2.95 B.B.95 WALL CLADDING FIRE RESISTENCE
A 12.3.95 B.B.95 ADDITIONAL NOTES - G.R.MERCHANT

G. R. MERCHANT
I.ENG(CEI) FSCET, FAWO,
ARCHITECTURAL, STRUCTURAL & LAND DRAINAGE CONSULTANT
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PROJECT:
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CLIENT:
E.B.BUNN.
PLOT 5.
BENNER ROAD
WARDENTREE LANE.
SPALDING.

SCALES: 1/50

DATE: SEPT 1995

G.R.MERCHANT

DRAWING No: