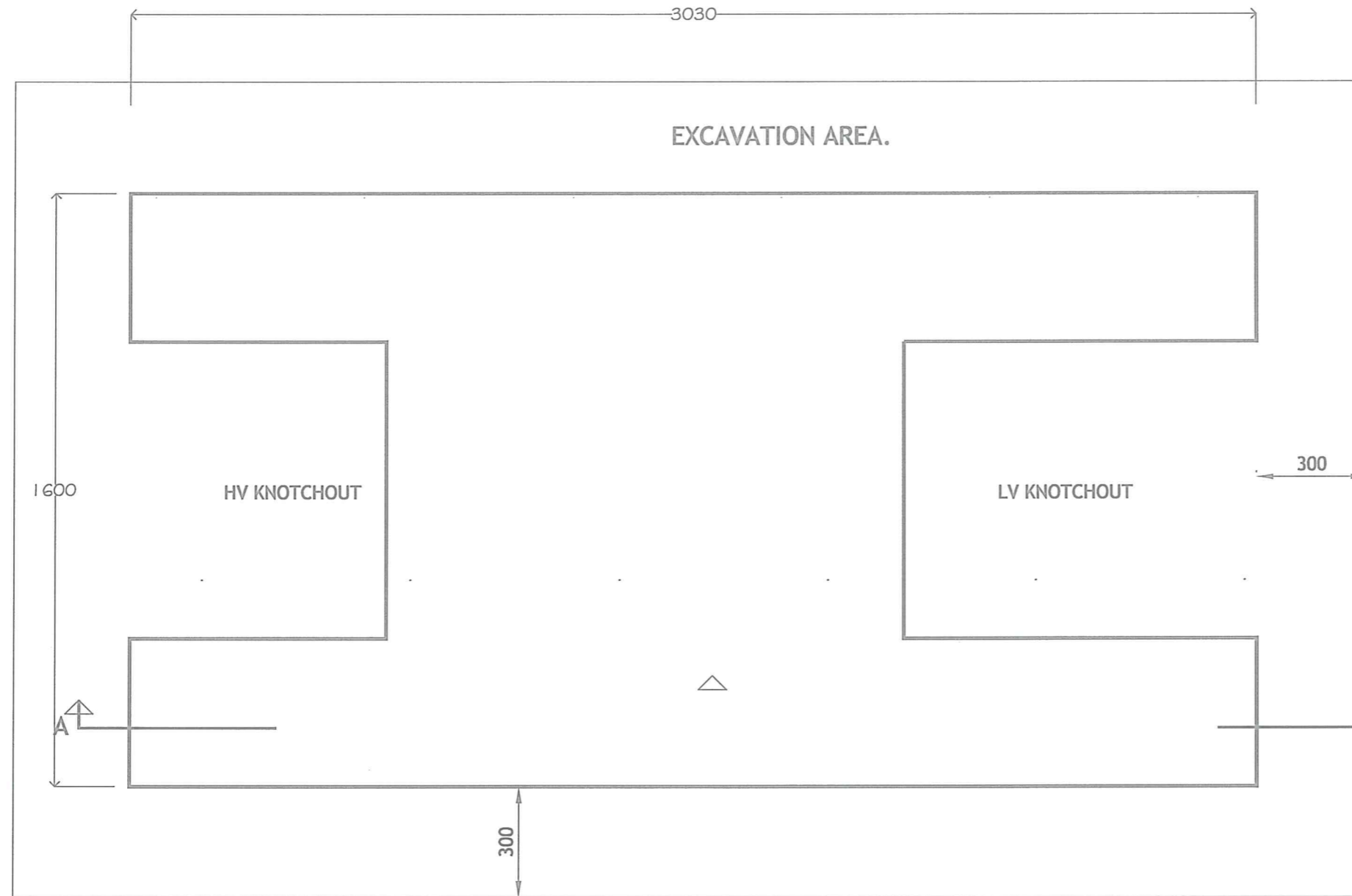


A3 01 C12 007

TOTAL PAD DIMENSIONS

kVA	OVERALL LENGTH	OVERALL WIDTH	OVERALL HEIGHT	LV BUSHING HEIGHT	LV CUBICLE DEPTH
200	2410	1070	1320	1025	410
300	2530	1070	1320	1025	410
500	2550	1230	1410	925	410
750	2860	1350	1520	1135	520
1000	2860	1470	1520	1135	520



EXCAVATION AREA.

HV KNOTCHOUT

LV KNOTCHOUT

PLAN

INSTALLATION

- A. THE CABLE TRENCH EXCAVATION, CABLE INSTALLATION AND TRENCH BACKFILL ARE COVERED BY OTHER SPECIFICATIONS.
- B. NORMAL TRENCH BACKFILLING SHALL NOT BE USED IN THE AREA TO BE COVERED BY THE REINFORCED CONCRETE PLINTH.
- C. AN AREA EXTENDING 300mm OUTSIDE THE EDGES OF THE RC PLINTH SHALL BE EXCAVATED TO THE LEVEL AS FOLLOWS:
 1-IN STIFF CLAY, SANDSTONE OR FULLY COMPACTED (MECH) TO DIG AROUND 200mm BELOW FINISHED GROUND LEVEL.
 2-IN FIRM CLAY TO DIG AROUND 350mm BELOW FINISHED GROUND LEVEL.
 3-IN SOFT CLAY OR SOIL TO DIG AROUND 450mm BELOW FINISHED GROUND LEVEL.
- D. THIS AREA SHALL BE BACKFILLED WITH COMPACTED GRANULAR HARD FILL THEN COVERED WITH A 50mm LEVEL LAYER OF SAND.
- E. EARTHING CONDUCTORS SHALL BE INSTALLED IN CABLE TRENCHES BEFORE THE BASE IS INSTALLED..
- F. FOR BASE FABRICATION DETAILS REFER DRWGS ABOVE.
- G. GL IS FINAL 'GRANNULAR LEVEL' OVER BACKFILL AFTER FULL COMPACTION



SECTION A-A

GRANULAR HARDFILL OR AP40 (COMPACTED), REFER: NOTE C1-3
 COMPACTED GRANNULAR TO BE PROTECTED FROM STORMWATER AFTER PLACING CONCRETE AND AFTER FINISHING EARTHING WORKS ETC. TO BE PERMANENTLY COVERED WITH COMPACTED PROPER SOIL MATERIALS SLOPING OUTWARDS AROUND RC PLINTH TO AVOID WATER WEAKENING ITS BASE

NOTE: THIS STANDARD DESIGN IF NOT FOLLOWED ON SITE THEN CONSULTANT SHOULD SUBMIT A STAMPED MODIFIED DRAWING FOR FEA APPROVAL PRIOR TO CONSTRUCTION AND INSPECTION

No.	REVISION	DATE	BY	CHK	PSD	APP	HEAD OF DEPARTMENT
1.	ADJUSTMENT ON PLINTH TO MATCH ETEL 200 -1 MVA PDMNTS	02.02.16	SA				
O	ORIGINAL ISSUE	7.02.14	QM				

FIJI ELECTRICITY AUTHORITY
 RECOMMENDED FOUNDATION PLAN
 FOR CONCRETE BASES
 TYPE 200 - 1000kVA

DRAWING NUMBER			
A3	01	C12	007-1
SCALE NTS			

DRAWN QAYS 7.02.14
 CHECKED
 CHIEF DRAUGHTSMAN TEAM LEADER
 ENGINEER
 HEAD OF DEPARTMENT

01-C06-012
#1#2

A1 01 C06 012 3

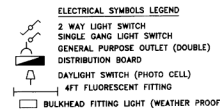
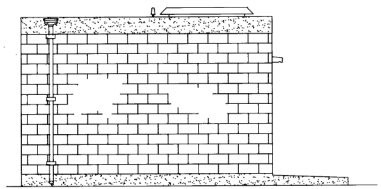


TABLE 1
CONCRETE COVER OF REINFORCING STEEL

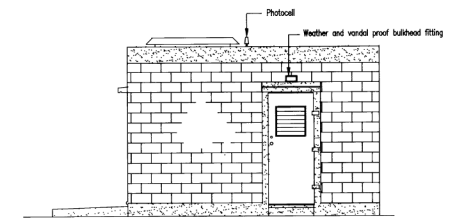
MEMBER	AGAINST NATURAL GROUND-mm	EXPOSED TO WEATHER-mm	NOT EXPOSED TO WEATHER-mm
Footing	65	—	—
Beams principal	75	40	25
Plinth	65	30	20
Walls	65	30	20

GENERAL NOTE

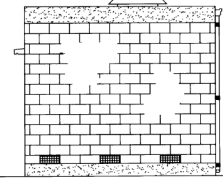
- 24 HOURS ACCESS TO THE SUBSTATION FROM THE PUBLIC ROADWAY IS REQUIRED FOR THE AUTHORITY'S VEHICLES AND PERSONNEL (SEE NOTE 6 BELOW)
- PRIOR TO CONSTRUCTION, A SITE MEETING IS TO BE HELD WITH THE AUTHORITY TO AGREE TO NECESSARY SITE ADAPTATIONS
- THE AUTHORITY'S APPROVAL MUST BE OBTAINED ON THE SIZES AND ARRANGEMENTS OF REINFORCEMENT BEFORE CONCRETE IS POURED.



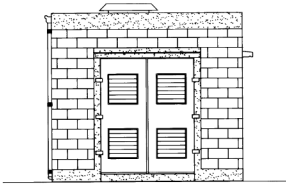
ELEVATION-A
Scale-1:50



ELEVATION-B
Scale-1:50



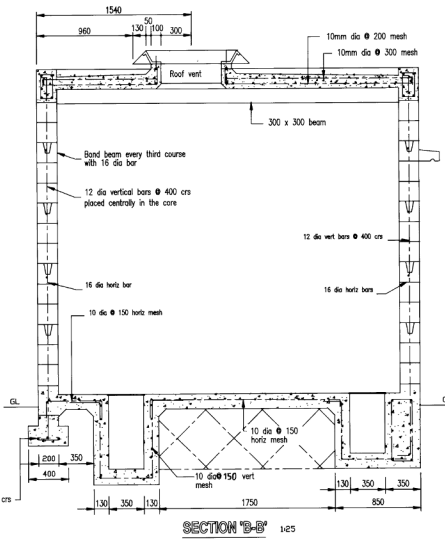
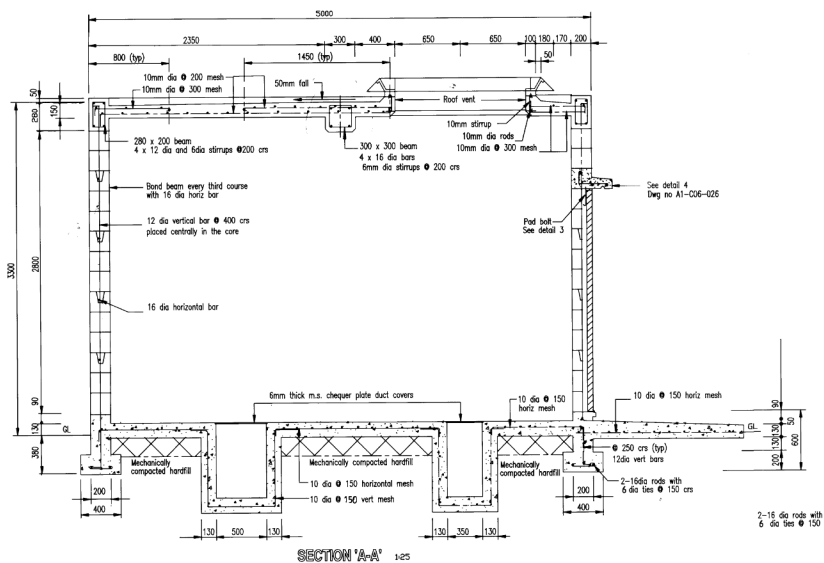
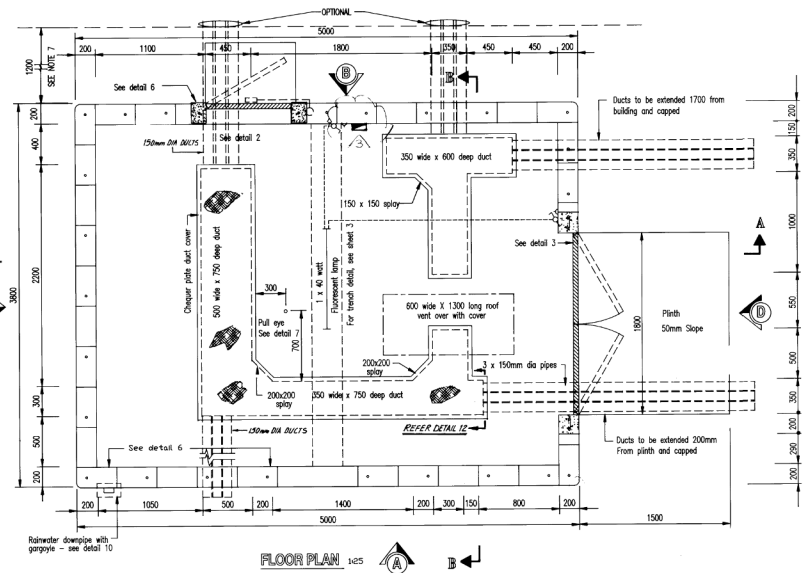
ELEVATION-C
Scale-1:50



ELEVATION-D
Scale-1:50

NOTES:

- FOR ALL OTHER DETAILS REFER SHEETS 2 AND STANDARD SPECIFICATION NO. SS 6/90
- ALL CONCRETE WORKS SHALL BE IN ACCORDANCE WITH AS 3600 MINIMUM 28 DAYS COMPRESSIVE STRENGTH SHALL BE 25 MPa
- ALL REINFORCEMENT SHALL BE DEFORMED BARS EXCEPT 6mm DIA TO NZS 3400P GRADE 250
- THE PLINTH TO HAVE 50mm SLOPE AWAY FROM DOOR.
- FOR ALL CONCRETE COVER DETAILS, REFER TO TABLE 1 ABOVE.
- ACCESS TO THE SUBSTATION SHALL BE ADEQUATELY DESIGNED TO CARRY THE MASS OF TRUCKS AND EQUIPMENT THAT WILL BE USED DURING THE ESTABLISHMENT AND FUTURE MAINTENANCE OF THE SUBSTATION.
- (a) FOOTPATH SHALL BE PROVIDED FOR SERVICE ACCESSIBILITY FROM THE SINGLE DOOR TO THE ROAD. (See specification clause 3.15)
- (b) THE TOTAL AREA ACCRUED FOR THE AUTHORITY FOR THIS STANDARD SUBSTATION IS 6000/5000.
- PIPES IN CONDUIT: PIPES, CABLES, CONDUITS, AND SIMILAR ITEMS PASSING THROUGH OR IMBEDDED IN CONCRETE SHALL BE OF SUCH SIZE, NATURE AND LOCATION AS NOT TO IMPAIR THE STRENGTH OF THE CONSTRUCTION.
- ALL ELECTRICAL CONDUITS > 100MM DIA, SHALL BE OF RIGID PVC AND ORANGE IN COLOUR.
- ALLOW MINIMUM OF 150mm FOR DOOR BEAMS AND SOLID CONCRETE WALLS EITHER SIDES AS SHOWN IN ELEVATION DRAWINGS.



Filename: I:\eng\chf\skbook.dwg

No.	REVISION	DATE	BY	CHK	PSD	APP
3	ADDITION OF DISTRIBUTION BOARD - DSB	6-7-00	P.S.			
2	ADDITION OF CABLE DUCTS ARRANGEMENT DETAIL	20/09/99	T.B.			
1	THIS DRAWING SUPERCEDES ALL PREVIOUS ISSUES	17-6-97	ABA			

DRAWING No.	TITLE

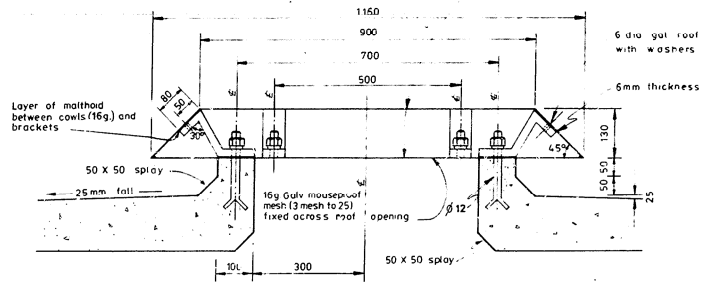
DRAWN	A. B. MOFA	4.05.96
CHECKED		
CHIEF DRAUGHTSMAN	<i>[Signature]</i>	19-6-97
SENIOR CIVIL ENGINEER	<i>[Signature]</i>	10-7-97
PRINCIPAL CIVIL ENGINEER	<i>[Signature]</i>	10-7-97

FIJI ELECTRICITY AUTHORITY

STANDARD ARRANGEMENT
TRANSFORMER KIOSK
SHEET 1 OF 2

DRAWING NUMBER			
A1	01	C06	012 3
SCALE			
AS SHOWN			

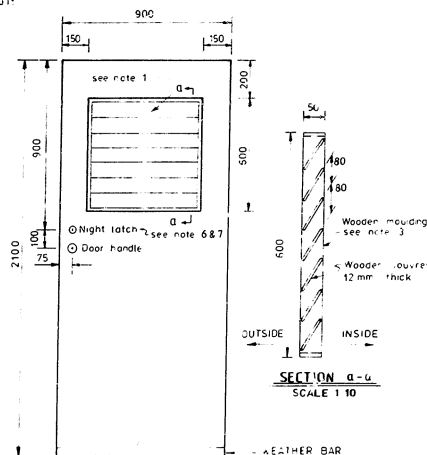
DETAIL : 1. Vent cover 20g gal sheet bent to shape



SECTION THROUGH VENTILATION

SCALE 1/10

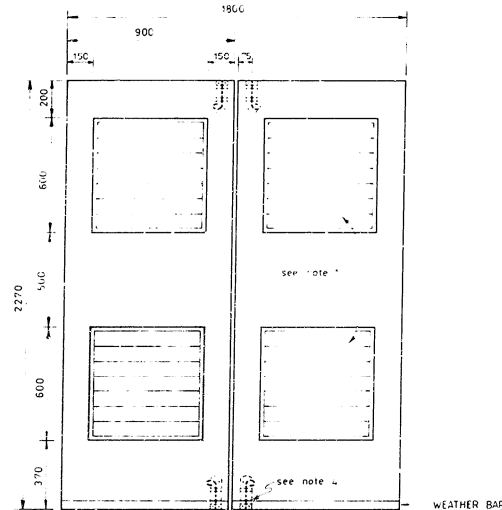
DETAIL : 2



ELEVATION OF SINGLE DOOR

SCALE 1/20

DETAIL : 3



ELEVATION OF DOUBLE DOORS

SCALE 1/20

NOTES - DETAILS 2 & 3

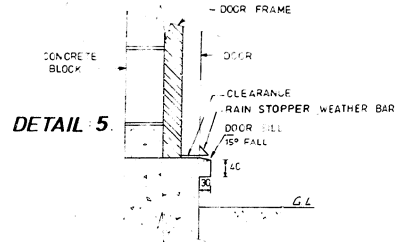
- Gal mouseproof mesh to be fixed from inside on all door frame frames
- Tolerance for opening and closing of doors to be adjusted on job site
- Use moulding as specified on section a-a for all door frame frames
- Use 10mm Pad Bolts to be fixed at top and bottom of double doors
- Single and Double doors to open outwards
- Single door night latch and electrical fittings to be supplied by the Contractor
- Single door night latch to be of lockwood brand or similar to suit the Authority's Standard lockwood barrel



DETAIL 4

DOOR HEAD

SCALE 1/10

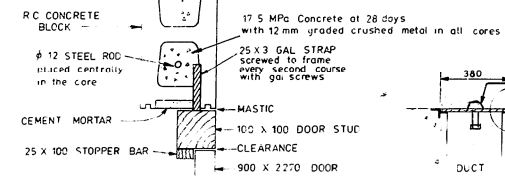


DETAIL 5

SINGLE DOOR SILL

SCALE 1/10

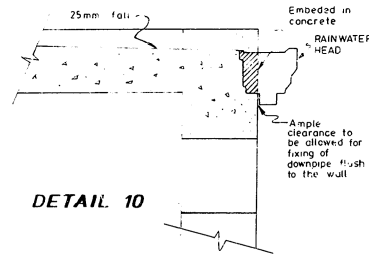
DETAIL : 6



DOOR JAMB

SCALE 1/10

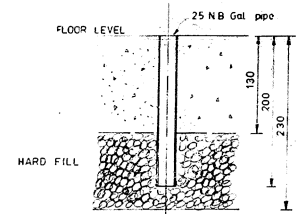
NOTE
1 DOOR JAMB DETAIL IS IDENTICAL FOR ALL JAMBS



DETAIL 10

RAINWATER HEAD / GARGOULE SET IN WALL (SCALE 1/10 / 1/5)

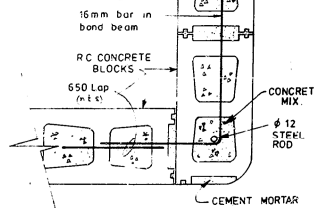
DETAIL : 7



PULL EYE BASE

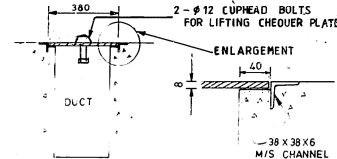
SCALE 1/5

DETAIL : 8



CORNER

SCALE 1/10

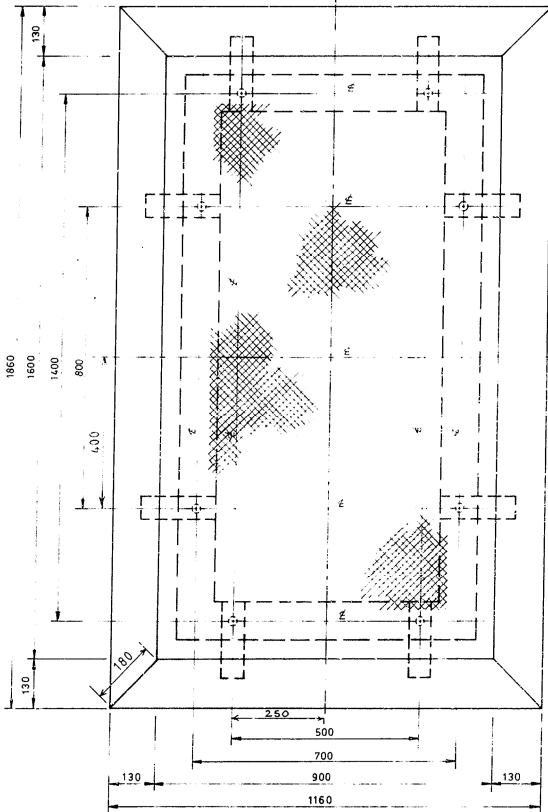


DETAIL : 9

6mm THICK M/S CHEQUER PLATE To be painted 4 coats red oxide on both sides

DUCT COVER

SCALE 1/10 / 1/5



ROOF VENTILATION COVER

PLAN

SCALE 1/10

RAWN	CHKD	PSD	APP	No.	DATE	BY	REVISION
RVL	RVL	APR 93	1	APR 93	GW	THIS DRAWING SUPERSEDES ALL PREVIOUS ISSUES.	
CHIEF DESIGNER							
ENGINEER							
DESIGN							
APPROVED							

CHD	PSD	APP	No.	DATE	BY	REVISION
RVL	APR 93	1	APR 93	GW		

CHD	PSD	APP