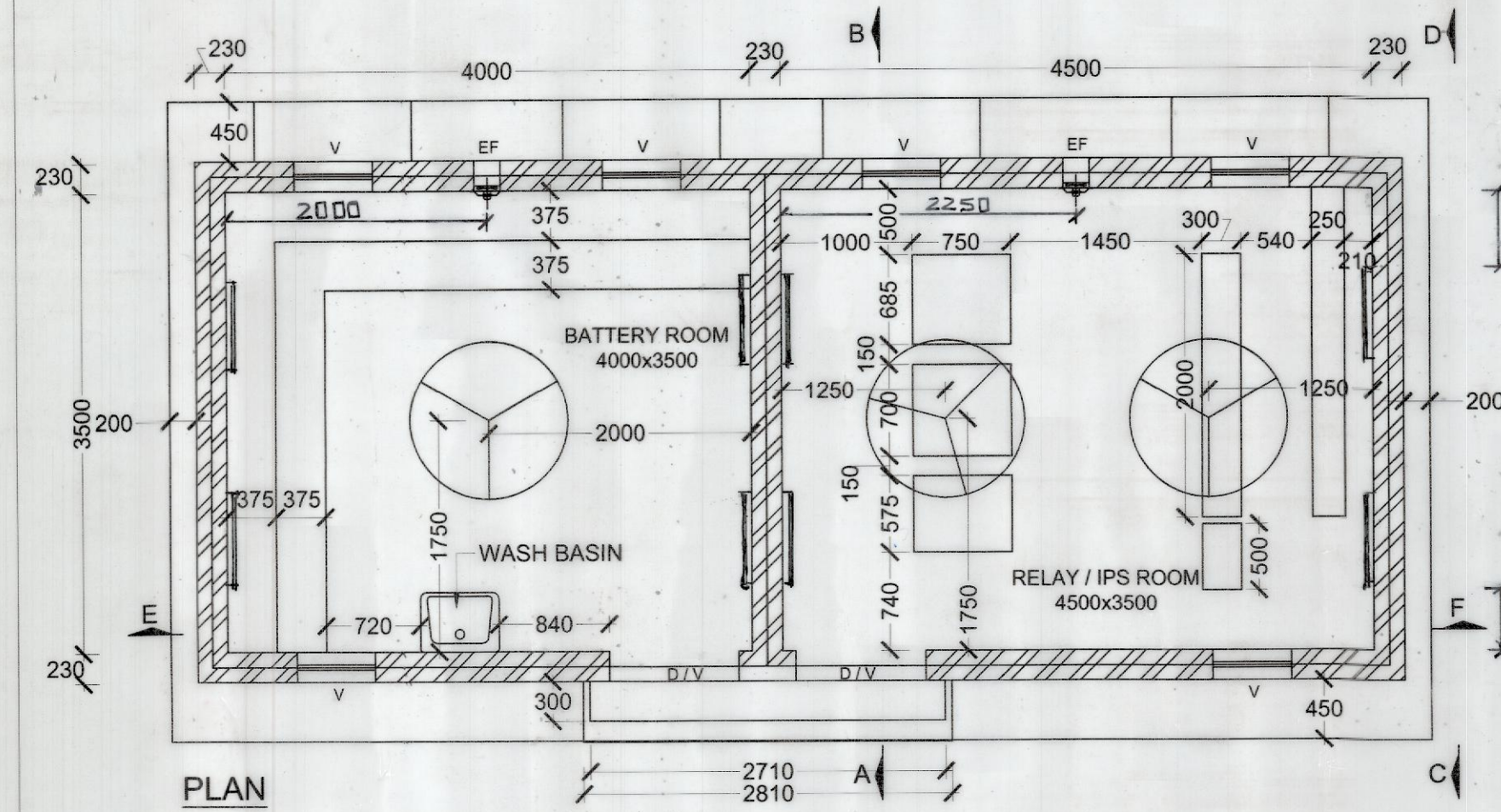
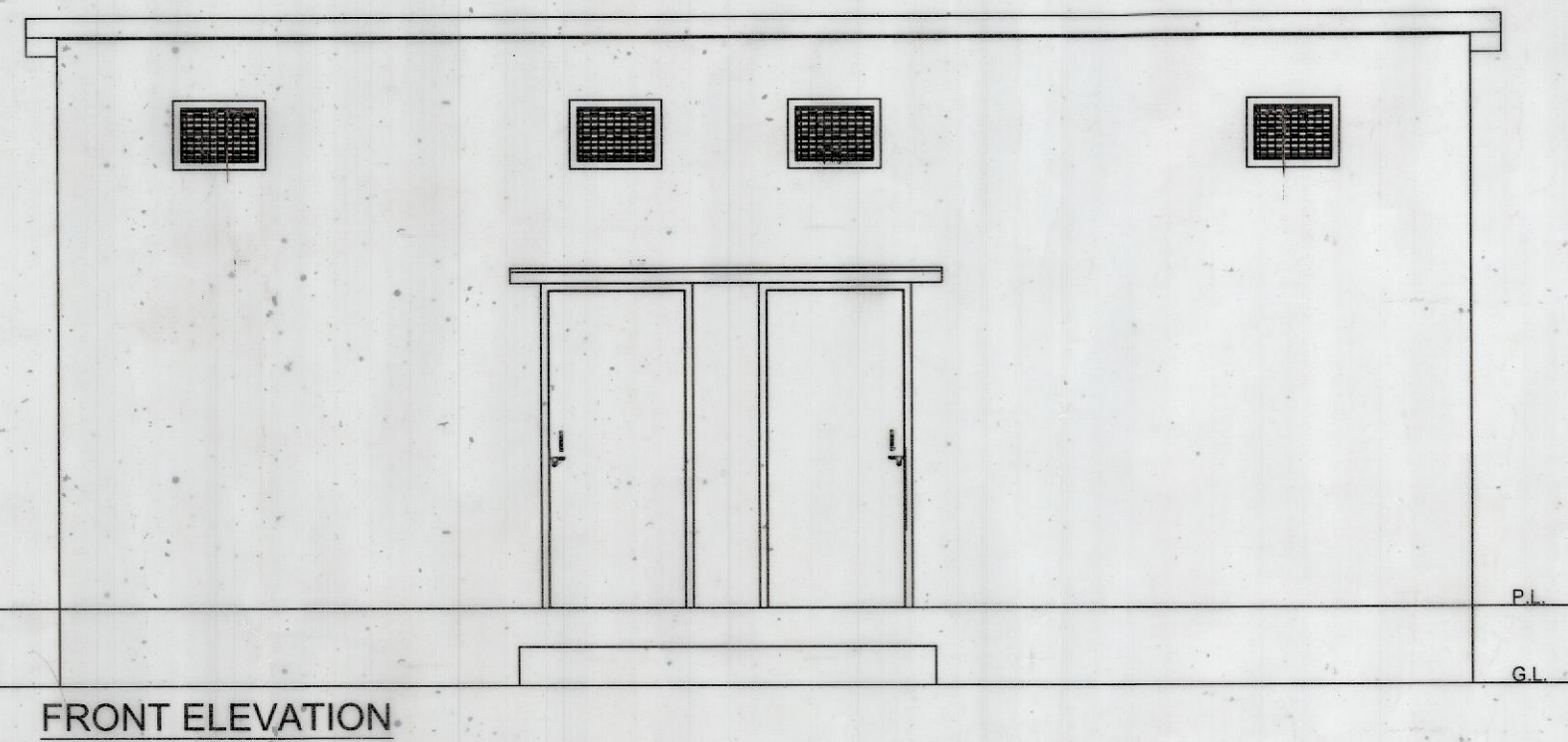
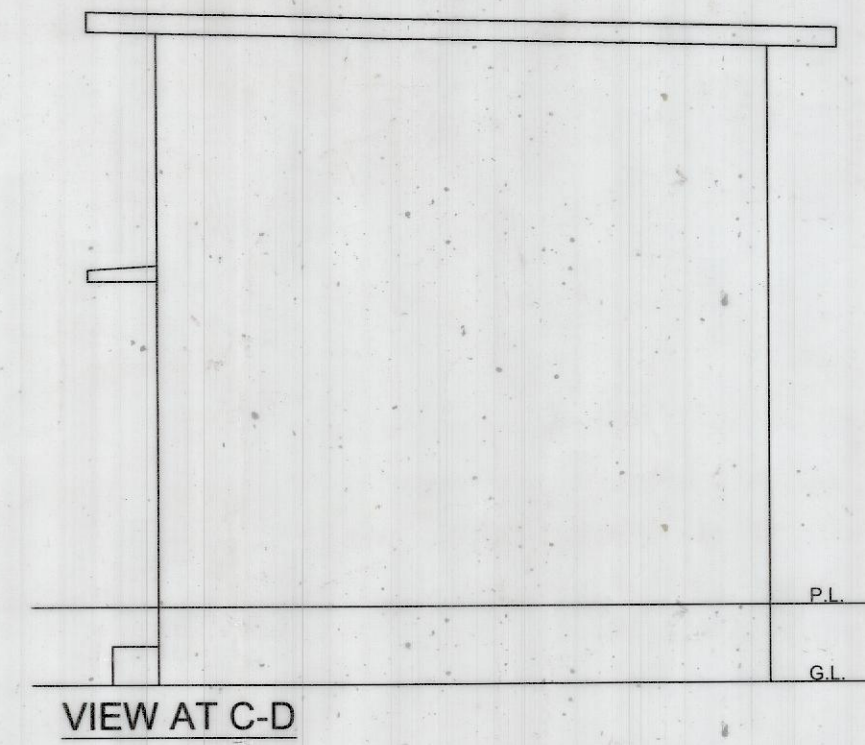
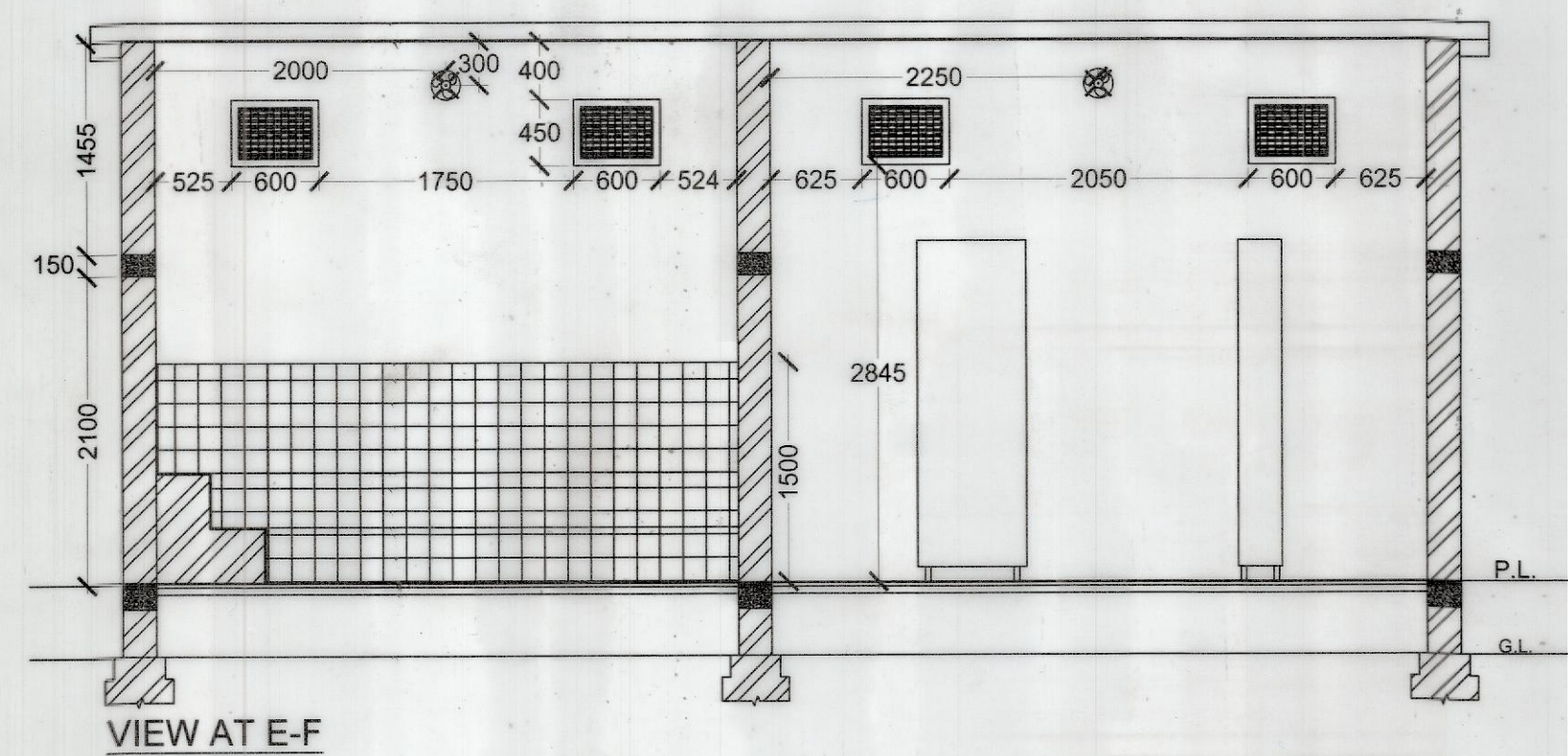
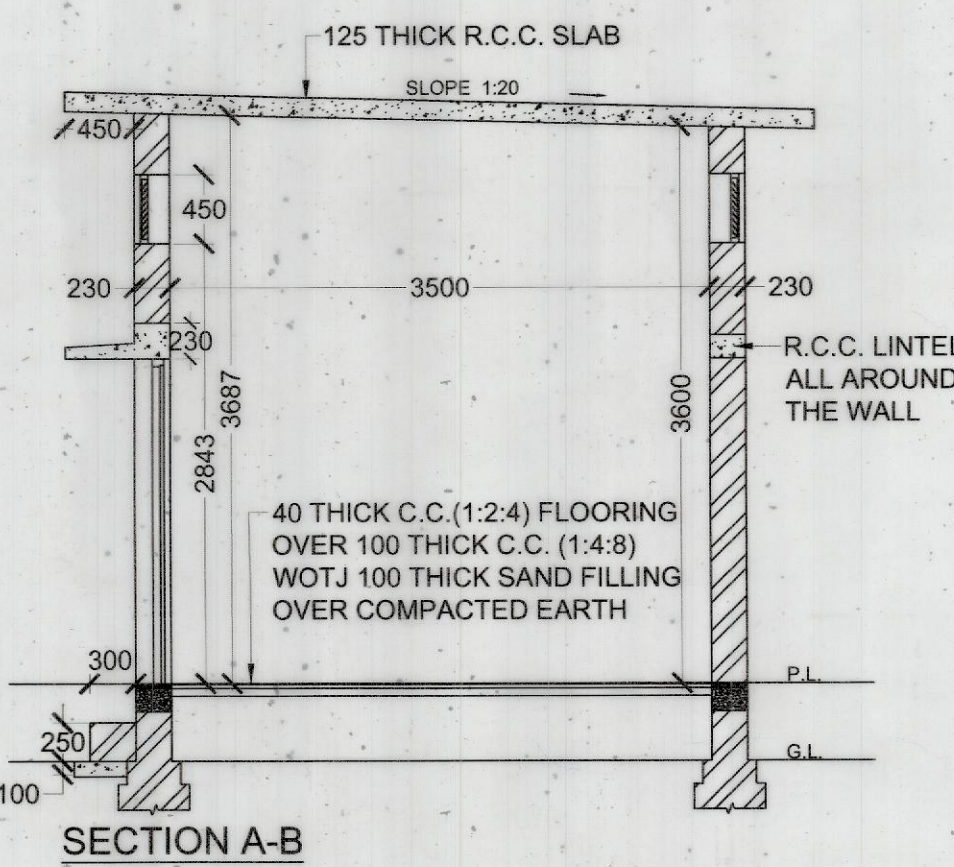
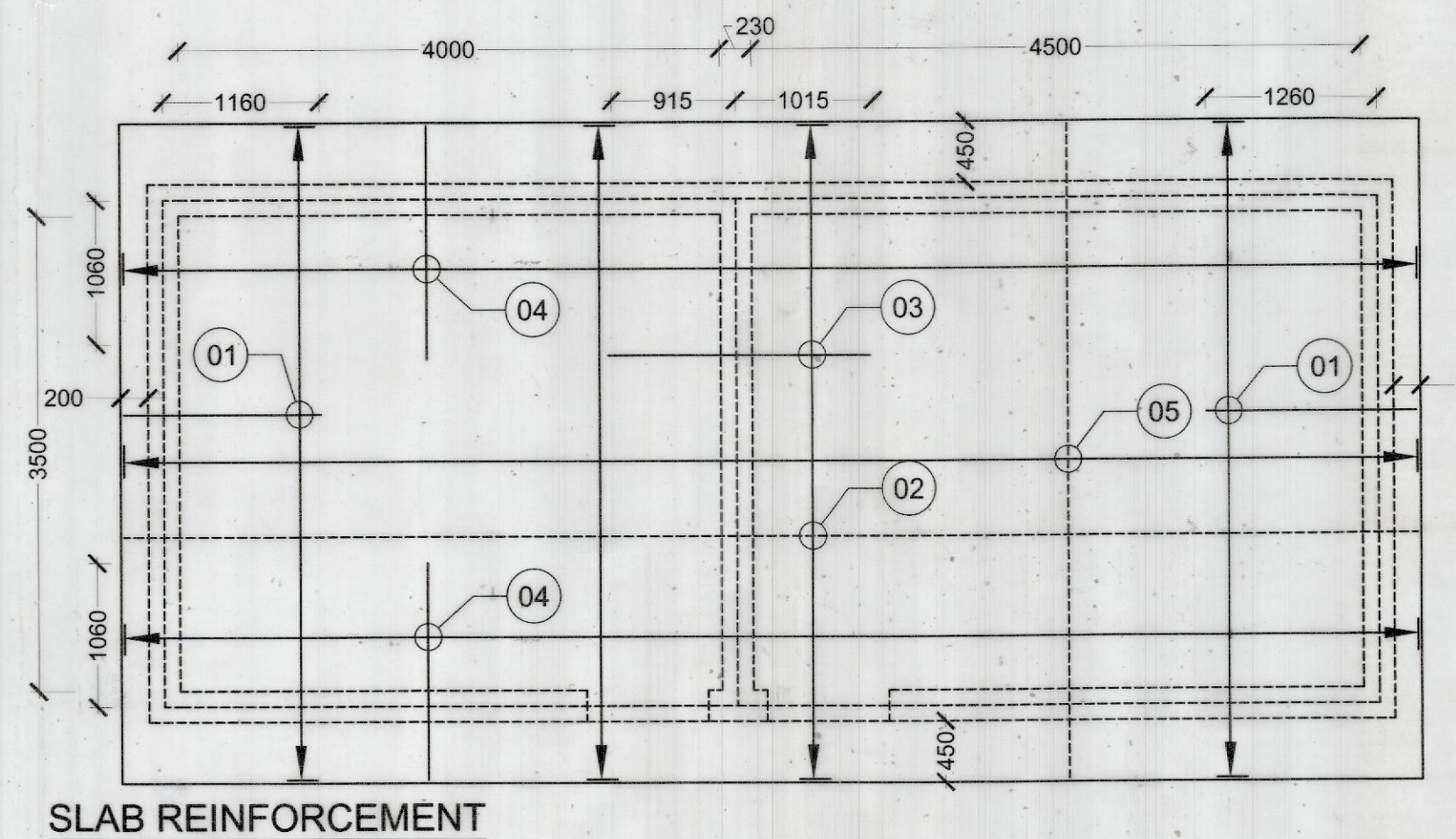
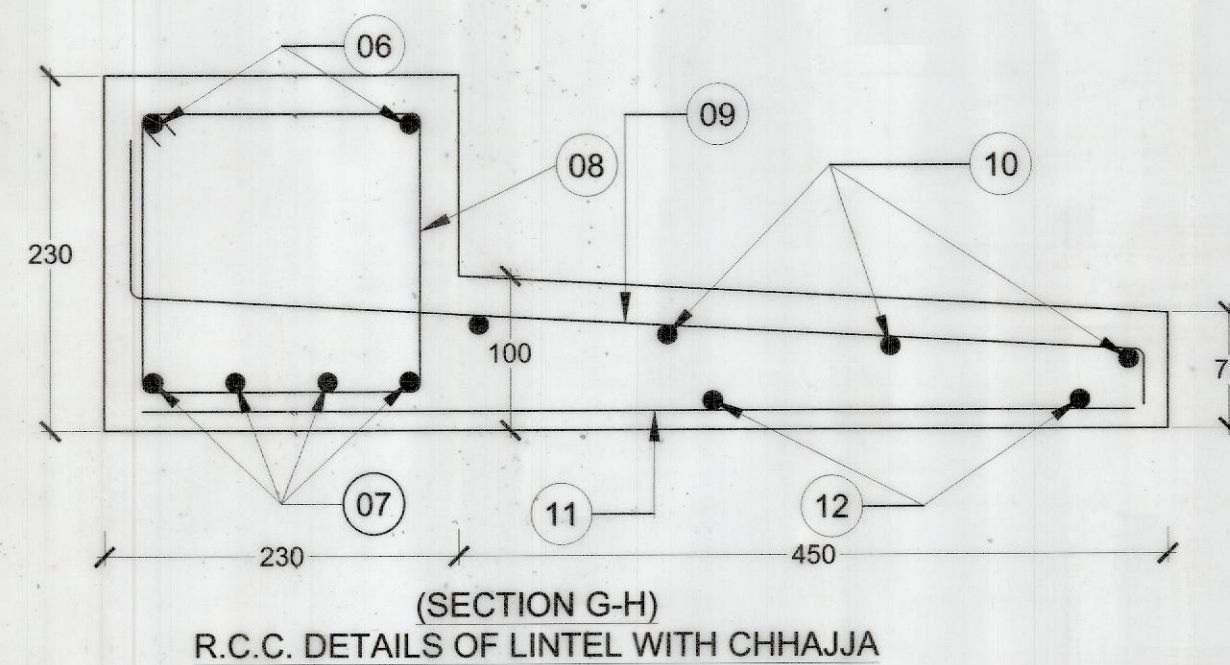
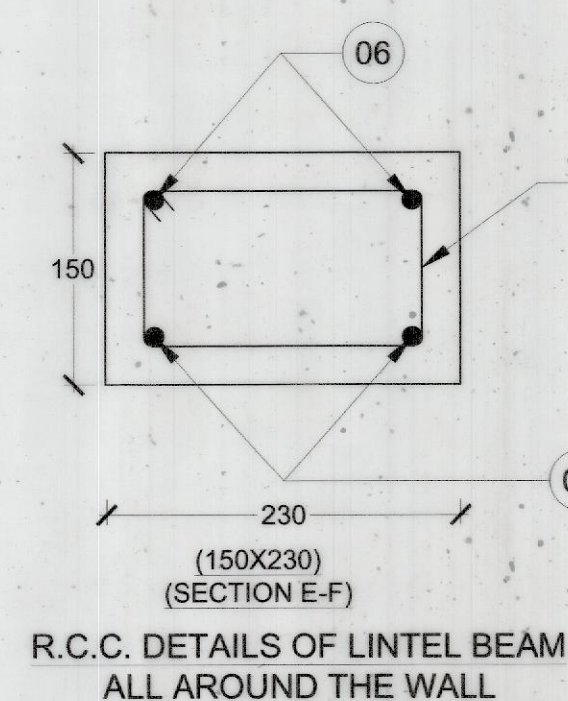
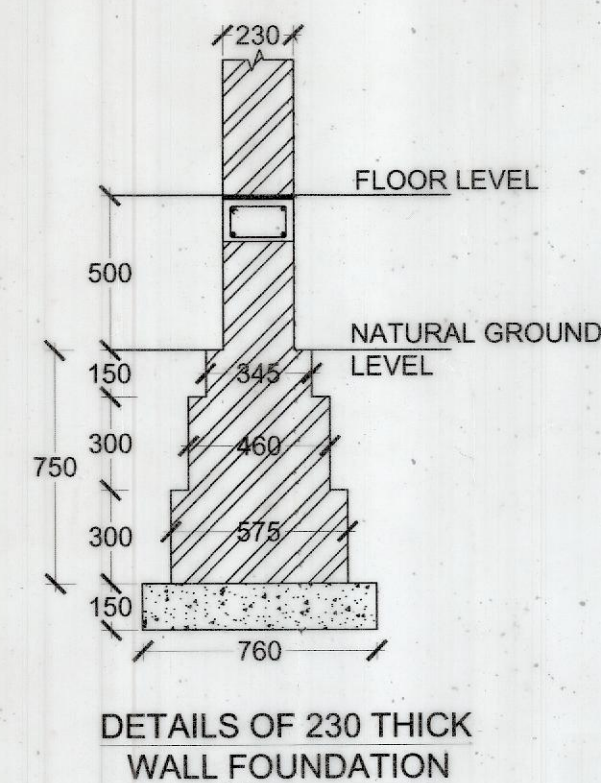
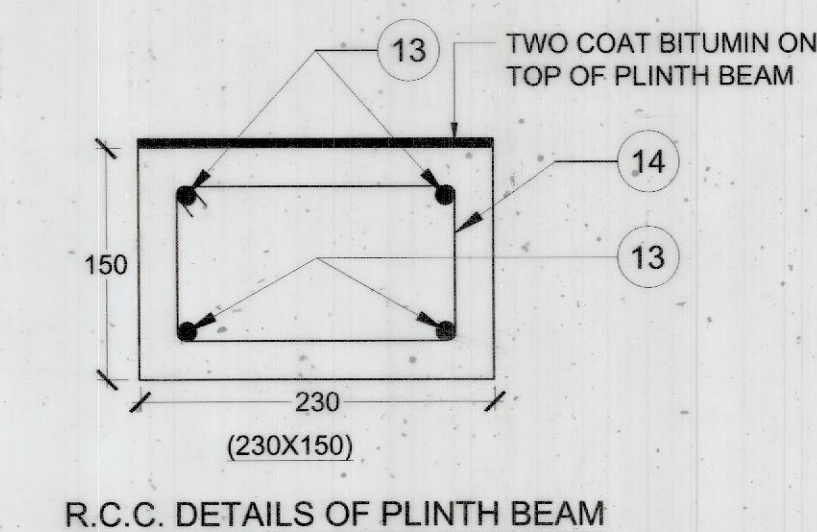
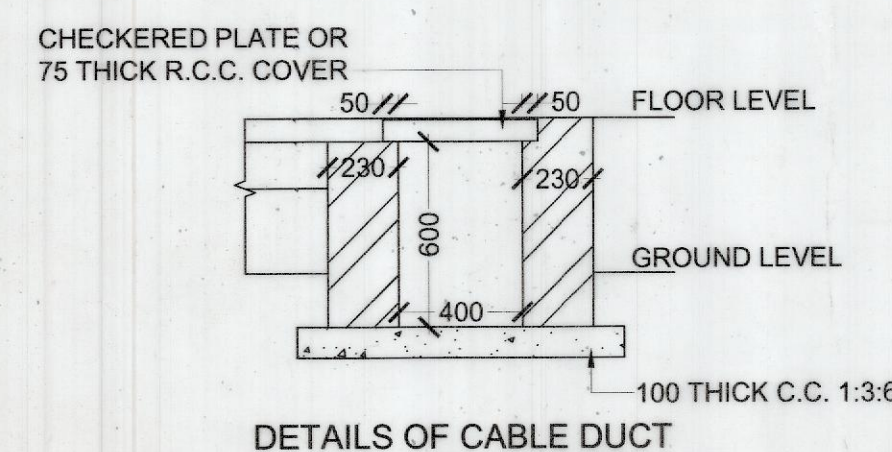


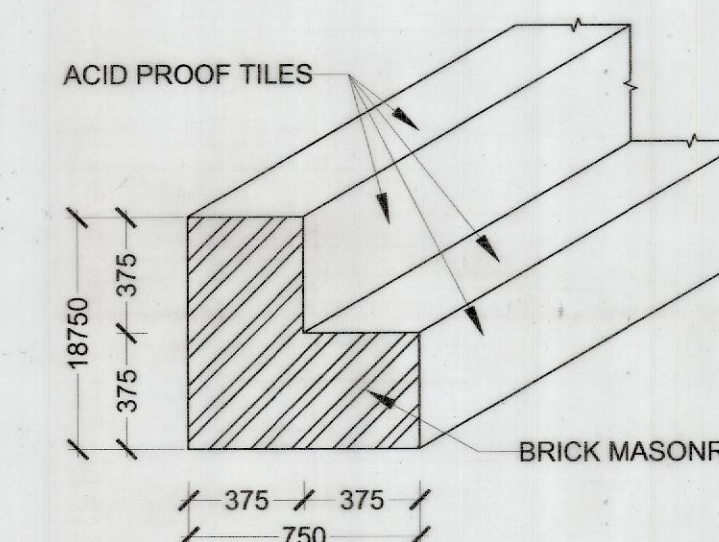
NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- FOR STEEL DOORS AND VENTILATORS REFER DRG. No.: NR TYPE PLAN NO. Q-133 AND Q-134.
- THIS DRAWING IS BASED ON DRG. No.: S&T/LC/BP-SKETCH NO.1.
- THE FOUNDATION HAS BEEN DESIGNED FOR 10 t/m² SAFE BEARING CAPACITY, WHICH MAY BE ALTERED BY THE ENGINEER IN CHARGE AS PER SITE CONDITION.
- MASONRY:- BRICK/STONE MASONRY IN FOUNDATION AND SUPERSTRUCTURE SHALL BE IN CM (1:6) WHERE GOOD QUALITY BRICKS ARE NOT AVAILABLE.
- FLOORING:- 40 THICK C.C. FLOORING (1:2:4) SHALL BE PROVIDED OVER 100 THICK C.C. (1:4:8) WITH AN UNDER LAYER OF 100 THICK SAND FILLING OVER COMPACTED EARTH.
- PLASTERING:- INTERNAL AND EXTERNAL WALL SURFACES SHALL BE PLASTERED 13 THICK WITH CM (1:6).
- THE INTERIOR SURFACES SHALL BE WHITE WASHED (3 COATS) AND EXTERNAL SURFACES SHALL BE SNOW CEM (2 COATS) OF APPROVED QUALITY AND MAKE OVER ONE COAT OF CEMENT PRIMER.
- FLOOR LEVEL OF RELAY, BATTERY & EQUIPMENT ROOM SHALL BE SAME AS RAIL LEVEL OR AS DECIDED BY THE ENGINEER-IN-CHARGE IN CONSULTATION WITH USER DEPARTMENT.
- OPENING OF CABLE ENTRY AT DUCT LEVEL.
- EQUIPMENT RACK, CABLE TROUGH / LADDER WILL BE PROVIDED BY S&T DEPARTMENT.
- EXPANDED METAL SHALL BE PROVIDED TO ALL THE VENTILATORS WITH M.S. GRILL.
- ACID PROOF TILES OF APPROVED QUALITY WILL BE PROVIDED IN THE FLOOR OF BATTERY ROOM AS PER IS SPECIFICATION IS-4457-1982.
- ALL R.C.C. WORK SHALL BE DONE IN M-20.
- CLEAR COVER TO CONCRETE SHALL BE 25MM FOR BEAM AND 20MM FOR SLAB.
- REINFORCING STEEL SHALL BE Fe-500 HIGH YIELD STRENGTH DEFORMED BARS & CONFORMING TO RELEVANT IS CODE.
- SUITABLE CHAIRS TO BE PROVIDED FOR HOLDING THE TOP REINFORCEMENT IN BOTH DIRECTIONS.
- THIS TYPE PLAN SUITS REQUIREMENT OF DOUBLE LINE ELECTRIFIED SECTIONS ONLY.



SCHEDULE OF DOORS, WINDOWS & VENTILATORS					
S.No.	TYPE	SIZE	SIZE OF STEEL FRAME	DESCRIPTION	Nos
1	D	990x2100	105x60	PRESSED STEEL DOOR FRAME AND SHUTTER 40 THICK FLUSH DOOR SHUTTER WITH PROVISION OF DOUBLE LOCK.	2
2	V	600x450	50x25	GLAZED SHUTTER WITH CENTRAL HINGE VENTILATOR	8

BAR MARK	DESCRIPTION	SHAPE	REMARKS
01	Y 10 @ 200 c/c		TOP ONLY
02	Y 10 @ 200 c/c		BOTTOM ONLY
03	Y 10 @ 200 c/c		TOP ONLY
04	Y 10 @ 200 c/c		TOP ONLY
05	Y 10 @ 200 c/c		BOTTOM ONLY
06	2 Y 10 TOR BARS		
07	4 Y 10 TOR BARS		
08	Y 8 STIRRUPS @ 250 C/C FOR OPENING PORTION THEN 300 C/C		
09	Y 10 @ 150 c/c		
10	4 Y 10 TOR BARS		
11	Y 10 @ 300 c/c		
12	2 Y 10 @ 250 c/c		
13	2 Y 12 TOR BARS		
14	Y 8 STIRRUPS @ 250 c/c		



DETAILS OF BATTERY STAND

REVISION:-
R1 - NOTE NO.18 ADDED.DY.CE/P&D
(V.K. PANDEY)XEN/P&D
(K.K. SHARMA)DY.CE/P&D
(A.V. MITTAL)CE/P&D
(PANKAJ SAXENA)XEN/P&D
(K.K. SHARMA)

DRAWING OFFICE ENGINEERING

TYPE PLAN FOR
S&T BUILDING AT INDEPENDENT
INTERLOCKED L-XING GATE/IBS

GENERAL ARRANGEMENT
CUM STRUCTURAL DETAILS

SCALES : 1:50 & 1:25

H.Q. CASE No.: DOE/TYPE PLAN/2016

N.R. TYPE PLAN NO.: O-97/2017/R₁N.R.H.Q.E. PLAN No.: HQ/01/02-2017/R₁

SHEET NO.1/1