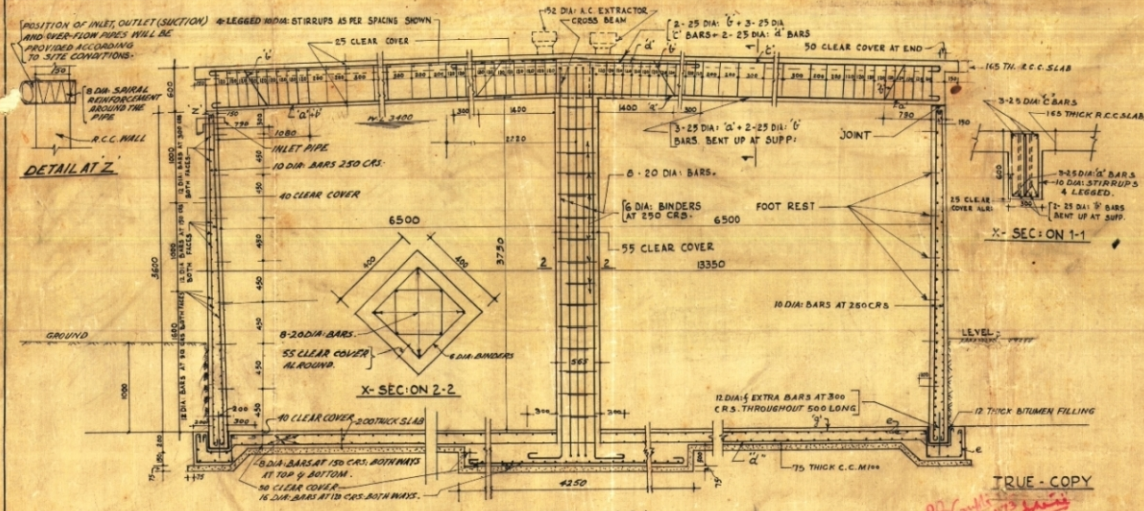
N.R.H.Q.E. PLAN Nº HQ 29-71

CALCULATION Nº

TYPE Nº W-29



TRUE - COPY

C.D.D. S/D.O.E. AEN/P&D

NOTES:-

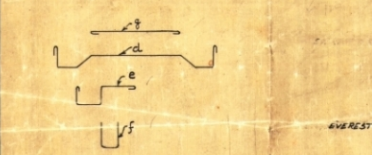
1. PARTICULAR CARE MUST BE TAKEN TO ENSURE THAT :-
   (i) COVER OVER REINFORCEMENTS IS NOWHERE LESS THAN THAT SHOWN ON THE PLAN OR AS GIVEN IN I.S. 3370 PT II 1965.
   (ii) NO SAG OCCURS IN REINFORCING BARS DURING CONSTRUCTION.
2. ALL R.C.C. WORK MUST BE CARRIED OUT UNDER THE PERSONAL SUPERVISION OF AN EXPERIENCED ENGINEER.
3. PROPER CURING OF CONCRETE TO ACQUIRE HARDNESS, STRENGTH & OTHER PROPERTIES, ESSENTIAL TO SATISFACTORY SERVICE, MUST BE ENSURED.
4. LENGTH OF SPLICE WHERE BARS OBTAINED ARE OF SHORTER LENGTH MUST NOT BE LESS THAN 44 D.
5. SPLICE SHOULD NOT BE GIVEN AT SUPPORTS OR CENTRE OF SPANS BUT PREFERABLY AT ABOUT QUARTER SPAN POINTS.
6. PROPER FORMS SHOULD BE USED FOR ALL R.C.C. WORK TO ENSURE WATER-TIGHTNESS.
7. ALL CONCRETE SHALL BE MECHANICALLY MIXED & VIBRATED.
8. R.C.C. SHALL BE IN GRADE M 200 CEMENT CONCRETE IN ACCORDANCE WITH THE SPECIFICATION LAID DOWN IN I.S. 456-1964 CODE OF PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION.
9. TESTED MILD STEEL CONFORMING TO GRADE-I OF I.S. 432-1966 OR TO I.S. 1139-1966 SHALL BE USED FOR ALL R.C.C. WORK. THE PERMISSIBLE STRESSES FOR STEEL HAVE BEEN TAKEN AS 1000 Kg/Sq.cm IN TENSION & COMPRESSION FOR REINFORCEMENT OF WALLS & SLABS OF TANK & 1400 Kg/Sq.cm IN TENSION, COMPRESSION AND SHEAR FOR ROOF SLAB & BEAMS.
10. WATER-PROOFING COMPOUND OF APPROVED MAKE & MANUFACTURE SHALL BE MIXED WITH THE CEMENT AS PER MANUFACTURER'S INSTRUCTIONS.
11. WHERE THE SUB-SOIL WATER LEVEL IS LESS THAN 1.4 METRES BELOW G.L. LEVELS SHOULD BE REFERED TO M.S.L. DATUM.
12. ALL DIMENSIONS HAVE BEEN SHOWN IN MILLIMETRES.
13. MAX. PRESSURE ON COMMON FOUNDATION IS 13.9 tonnes/Sq.m.

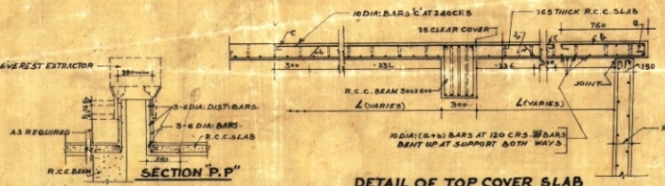
Sd/- (G.H.K.E. (N)) 25-8-71

Sd/- (C.N. CHOPRA) E.N.C. (S) 26-8-71

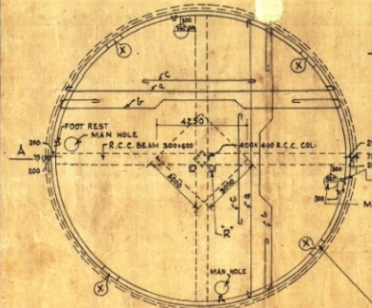
Sd/- (A.K. BHATTACHARYYA) X.E.D. 24-8-71

Sd/- (K.L. KAPUR) 6-9-71 A.E.N. (L.P.&D.)



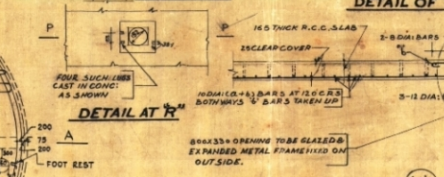


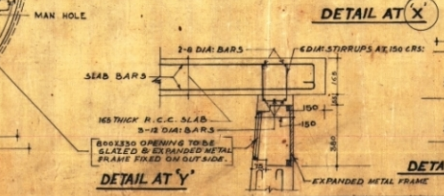
DETAIL OF TOP COVER SLAB





DETAIL OF EXTRA REINFORCEMENT TO BE PROVIDED AROUND MANHOLE





S.M.D.	DESCRIPTION	INITIALS	CASE Nº & D.O.E.
	REVISIONS		N.R.H.Q.E. PLAN Nº HQ/29/71.

DRAWN: S&I: A.K. MANGLA
C.D.D. S&I: S. YADAV 5-8-71
COMP: S&I: SANJIT ANAND 5-8-71
CHECKED S&I: N. GOPAL 14-8-71
TRACED P.C. Amarjit Singh
COMPARED

SCALE:- 1:10, 25, 50, 100

CANCELS PLAN Nº

STANDARD PLAN UNDERGROUND RESERVOIR CAP: 4,50,000 LITRES (1,00,000 GALLONS) R.C.C. DETAILS

CONN. BY:- Gallon 27/10/71