N.R.H.Q.E. PLAN No. 3504.
N.R. TYPE O-45 — IN SHEETS — SHEET No. 5.

TYPE DESIGN FOR 48 BED RUNNING ROOM
DETAIL OF R.C.C. SLABS, BEAMS, LINTELS & CHAJJA

SCALE:- 1"=2'-0"
CASE No. 790-W/O.P.III.
CALCULATION No. 301
CANCELS TYPE.

REVISIONS.			
No.	DESCRIPTION	INITIALS	
			Sd/- G. B. SINGH, S. E. (P) FOR CHIEF ENGINEER
			Sd/- P. D. JAIN, 4-3-59, X. P. D.
			Sd/- BAIJNATH, B.N., 4-3-59, A.E.N.(P&D.)

TRUE COPY

A.E.N.(P&D.) — S/D.S.E. 3/4/59

L-SEC: OF 9'×1'-3½" R.C.C. LINTEL CUM CHAJJA (FOR W3 & W3A) X-SEC:

L-SEC: OF 9'×1'-3½" R.C.C. LINTEL CUM CHAJJA (FOR W2) X-SEC.

L-SEC: OF 9'×1'-3½" R.C.C. LINTEL CUM CHAJJA (CONTS: OVER W2S & BUILT IN SHELVES) X-SEC.

L-SEC: OF 6'×1'-3½" R.C.C. LINTEL (FOR W3A) X-SEC:

L-SEC: OF 9'×1'-3½" R.C.C. LINTEL CUM CHAJJA (FOR DW1 & W4) X-SEC: ON S.S.

L-SEC: OF 6'×1'-3½" R.C.C. LINTEL CUM CHAJJA (CONTS: OVER W1 & BUILT IN LOCKERS) X-SEC:

SECTION ON Q.Q. (SCALE:- 1"=1')

DETAIL OF R.C.C. SLAB OVER GENERAL STORE, USED AS LAV. WILL BE THE SAME AS SHOWN IN SECTIONS C-C, D.D. & E-E

SECTION ON C.C.

SECTION ON E.E.

DETAIL OF R.C.C. FLOOR SLAB FOR HAND WASH & ROOF SLAB FOR PASSAGE WILL BE THE SAME AS SHOWN IN SECTION G.G.

SECTION ON G.G.

SECTION ON P.P.

DETAIL OF R.C.C. FLOOR SLABS & BEAM FOR LOUNGE, RECREATION ROOMS AND DINING ROOMS WILL BE THE SAME AS SHOWN IN SECTION B.B.

SECTION ON B.B.

SECTION ON D.D.

DETAIL OF REINFORCEMENT FOR BOX ON WILL BE THE SAME AS SHOWN SECTION F.F.

SECTION ON F.F.

SECTION ON N.N.

DETAIL OF R.C.C. FLOOR SLABS, ROOF SLABS & BEAMS FOR BED ROOMS WILL BE THE SAME AS SHOWN IN SEC:- A-A.

SECTION ON A.A.

L-SEC: OF 21'×1'-2" R.C.C. BEAM (Z)

SECTION ON M.M.

DETAIL OF REINFORCEMENT FOR ROOF SLAB WILL BE THE SAME AS SHOWN IN SEC:- J.J.

SECTION ON J.J.

L-SEC: OF 18'×1'-3½" R.C.C. LINTEL (Y)
(LINTEL OVER DW1 & CHAJJA NOT SHOWN.)

X-SEC.

GROUND PLAN
SCALE:- 1"=8'-0"

DETAIL OF R.C.C. ROOF SLAB FOR LAVATORIES AND 12'-0" WIDE VERANDAH WILL BE THE SAME AS SHOWN IN SEC:- K-K.

SECTION ON K.K.

L-SEC: OF 12'×1'-3½" R.C.C. LINTEL CUM CHAJJA (FOR 8'-10½" WIDE VER:& PASSAGE) X-SEC:

L-SEC: OF 15'×1'-3½" R.C.C. LINTEL CUM-CHAJJA (FOR 12' WIDE VERANDAH ON 1ST. FLOOR) X-SEC:

L-SEC: OF 9'×1'-3½" R.C.C. LINTEL (X) (BET: VER:& PASSAGE) X-SEC.

NOTES:-

1. FOR GENERAL PLAN SEE N.R. TYPE O-45 SHEET No. 1/5.
2. ALL R.C.C. WORKS MUST BE CARRIED OUT UNDER THE PERSONAL SUPERVISION OF A GAZETTED OFFICER.
3. PROPER CURING OF CONCRETE TO ACQUIRE HARDNESS, STRENGTH AND OTHER PROPERTIES IS TO BE ENSURED.
4. PARTICULAR CARE MUST BE TAKEN TO ENSURE, THAT:- (a) COVER TO REINFORCEMENT IS NO WHERE LESS THAN THAT SHOWN ON THE PLAN. (b) NO SAG OCCURS IN REINFORCING BARS DURING CONSTRUCTION. (c) STIRRUPS TO BE EFFECTIVELY TIED WITH WIRE TO THE MAIN REINFORCEMENT.
5. LENGTH OF SPLICE WHERE BARS ARE OF SHORTER LENGTHS MUST NOT BE LESS THAN 30 D.
6. SPLICE SHOULD NOT BE GIVEN AT SUPPORTS OR CENTRE OF SPANS, BUT PREFERABLY AT ABOUT QUARTER SPAN POINT.
7. BY MIX DESIGN MINIMUM COMPRESSION STRENGTH OF 28 DAYS SHALL BE 2250 LBS/ PER Sq" FOR STANDARD CUBES.
8. THE R.C.C. WILL BE IN (1:2:4) ORDINARY GRADE CEMENT CONCRETE IN ACCORDANCE WITH THE SPECIFICATIONS LAID DOWN IN THE I.S.I. CODE OF PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION.
9. ALL CONCRETE WILL BE MECHANICALLY MIXED AND VIBRATED.
10. SMOOTH SURFACE UNDER THE SLABS & BEAMS OVER THE BEARING TO BE PROVIDED EVERY WHERE BY PUTTING A CRAFT PAPER SO AS TO ENSURE FREE EXPANSION AND CONTRACTION.
11. FOR DETAIL OF SPIRAL STAIR SEE H.Q.E. SKETCH 62.
12. FOR DETAIL OF MAIN STAIR CASE SEE SHEET No. 4
13. ALL EXPANSION JOINTS TO BE FILLED UP WITH BITUMEN AND SAND.

COMPUTED BY: LAKSHMANIAH
DRAWN BY: MURTHY PARVATHI 23-2-59
TRACED BY: Smt. K. Lakshmi Devi 28-2-59
COMPARED BY: Smt. K. Lakshmi Devi