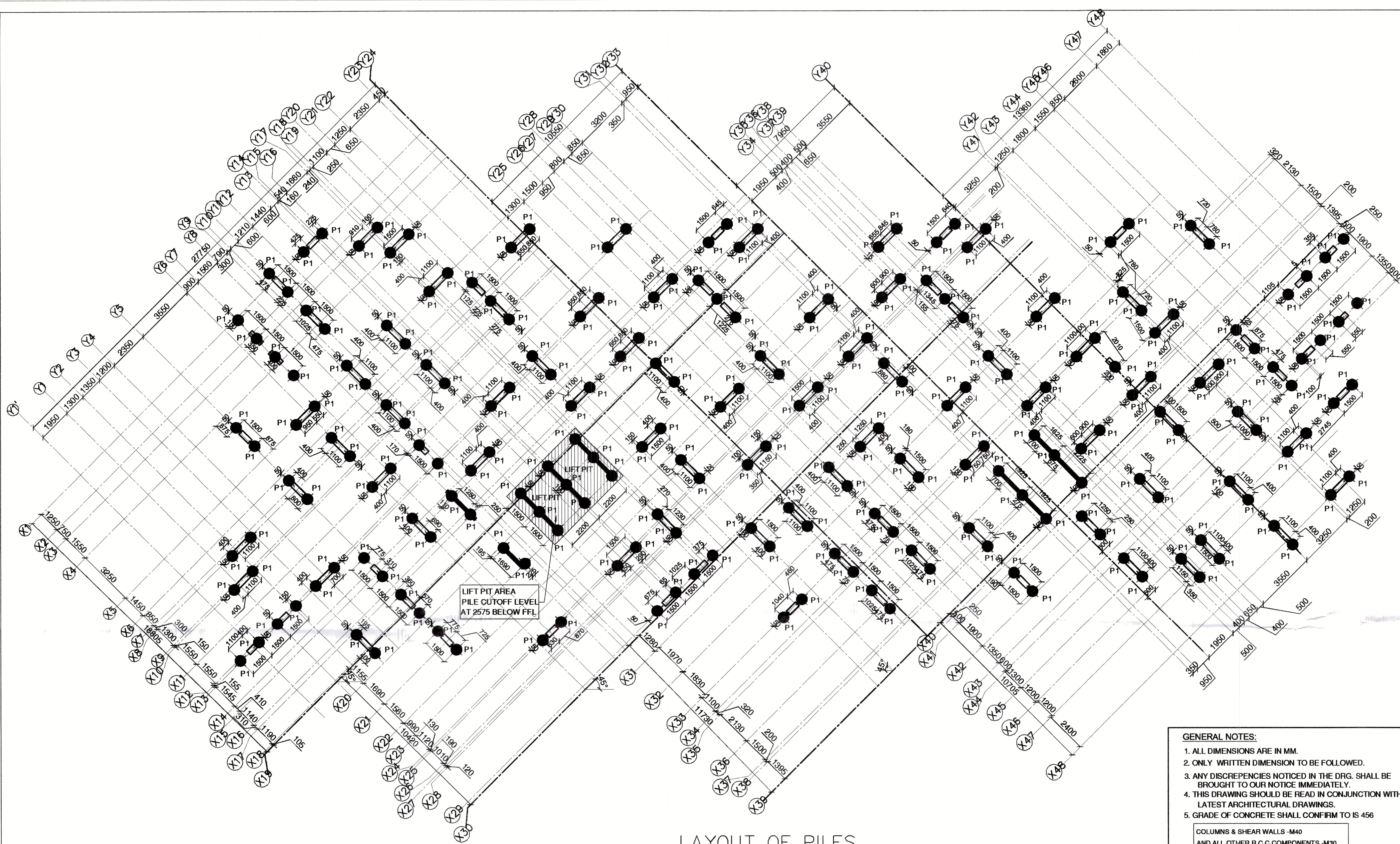


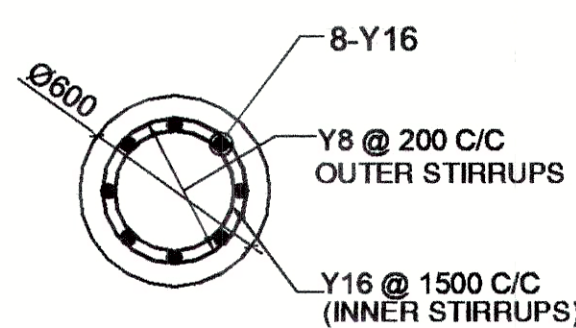


LAYOUT OF PILES

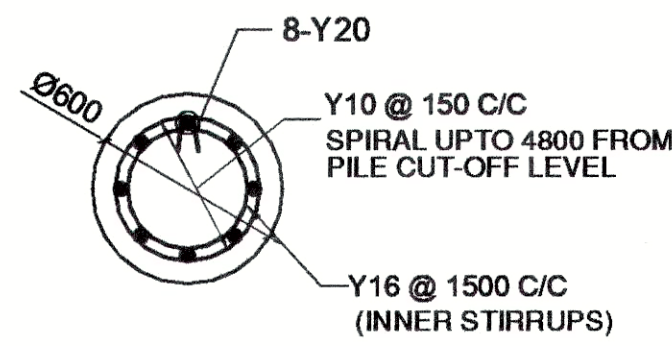
TOTAL NUMBER OF PILES = 231

NOTE:

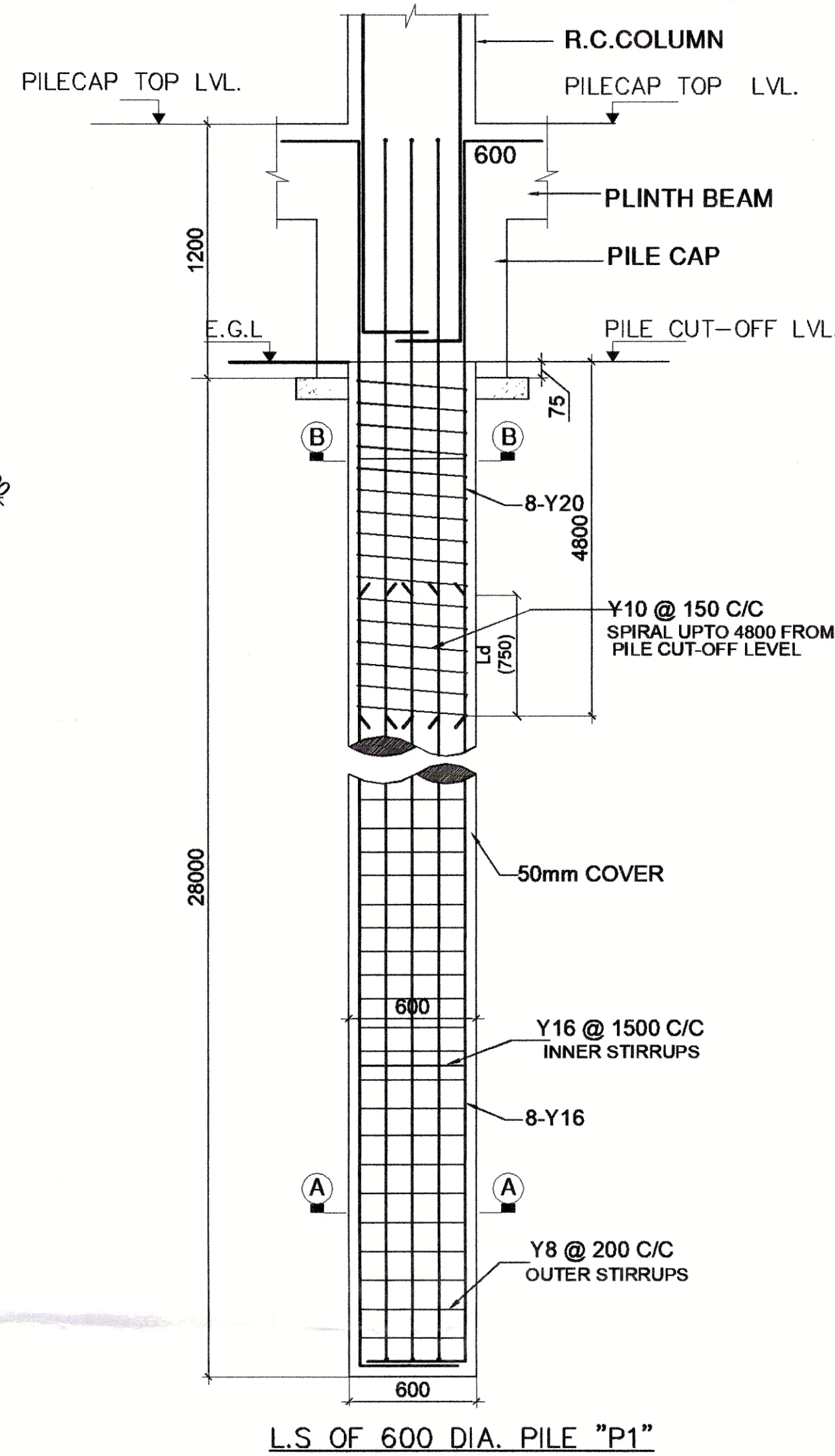
INITIAL TEST LOAD = 3125KN (2.5 x CAPACITY OF PILE)
TEST SHOULD BE DONE ON ONE PILE AS PER IS 2911 (Part-4) - LATEST REV.
GRADE OF CONCRETE FOR TEST PILE MUST BE 'M30'



SECTION "A-A"



SECTION "B-B"



L.S. OF 600 DIA. PILE "P1"

GENERAL NOTES:

- ALL DIMENSIONS ARE IN MM.
- ONLY WRITTEN DIMENSION TO BE FOLLOWED.
- ANY DISCREPANCIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH LATEST ARCHITECTURAL DRAWINGS.
- GRADE OF CONCRETE SHALL CONFIRM TO IS 456
AND ALL OTHER R.C.C COMPONENTS - M30
- "Y" DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE Fe500D CONFORMING TO IS 1786 : LATEST REVISION
- STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUE OF STRUCTURAL DRAWINGS ONLY.
- ONUS OF CONSTRUCTION LIES WITH CONTRACTOR
- CLEAR COVER TO REINFORCEMENT.
A. PILE = 50mm (CIRCULAR COVER BLOCK TO BE USED)
B. PILECAP BOTTOM = 75mm SIDES AND TOP = 50mm
C. R.C.WALL = 25mm
- PILE CARRYING CAPACITY = 1250KN
AS PER IS 1893-LATEST REVISION, DESIGN CAPACITY OF PILE CAN BE INCREASED BY 25% UNDER SEISMIC AND WIND CASE.
HENCE, CAPACITY OF PILE UNDER SEISMIC AND WIND CASE - 1562.5KN
- PILES UPTO 28m BELOW EXISTING GROUND LEVEL.
- COLUMNS & PILES ARE DESIGNED FOR STILT +9 FLOORS LOADS ONLY.
- INITIAL LOAD TESTS OF 2TIMES DESIGN CAPACITY ON 1 PILE OF 600mm DIA IS TO BE CARRIED OUT BEFORE COMMENCEMENT OF PILING WORKS.
- ROUTINE PILE LOAD TEST TO BE DONE FOR A LOAD OF 1.5 TIMES DESIGN CAPACITY (SAY 1875KN)
- CONCRETE FOR PILING SHALL CONFIRM TO THE REQUIREMENTS OF IS 2911 PART 1 / SECTION 2 : LATEST REVISION.
- SLUMP OF CONCRETE SHALL BE 150 TO 180mm AS PER CLAUSE 7.3.2 OF IS 2911 PART 1 / SECTION 2 : LATEST REVISION.
- MINIMUM CEMENT CONTENT FOR PILING SHALL BE 350 Kg / cum AS PER CLAUSE 7.3.3 OF IS 2911 PART 1 / SECTION 2 : LATEST REV.
- DETAILING OF REBARS SHALL CONFIRM TO SP-34, IS 2507: LATEST REVISION.
- DEVELOPMENT LENGTH (Ld) SHALL BE AS PER SP-34 : LATEST REVISION.
DEVELOPMENT LENGTH FOR PILES = 37d

Structural Design Proof Checked and Found Satisfactory

Dr. R. Senthil M.E., Ph.D.
Professor of Structural Engineering
Department of Civil Engineering
Anna University, Chennai - 600 025
31 DEC 2025

FOR SUBMISSION

00.	FOR CMDA SUBMISSION	S.V	INR	16.12.25
REV.	DESCRIPTION	DWG	CHK	DATE

PROJECT
HOUSING DEVELOPMENT AT THIRUVOTTIYUR CHENNAI.

DRAWING TITLE
LAYOUT & R.C DETAILS OF PILES

ARCHITECT :
ED+ ARCHITECTURE
"Kailash", 6/25, Cenotaph Road,
First Street, Teynampet, Chennai - 600 018.
Tel : 24357906, 24362396, 24362397
E-mail : contact@edarch.in

STRUCTURAL CONSULTANTS:
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PHONE : +91 44 22500120 / 42631770
Web: www.jehovahkingconsultants.com
E mail : jkc_chennai@yahoo.co.in

PROJECT NO.		SCALE : 125		
NORTH N	DATE 16.12.25	DRAWN S.V	CHECKED INR	APPROVED S.D.R
	DRAWING NO. JKEC/HKT-2/SHEET-01	REV. NO. 00		