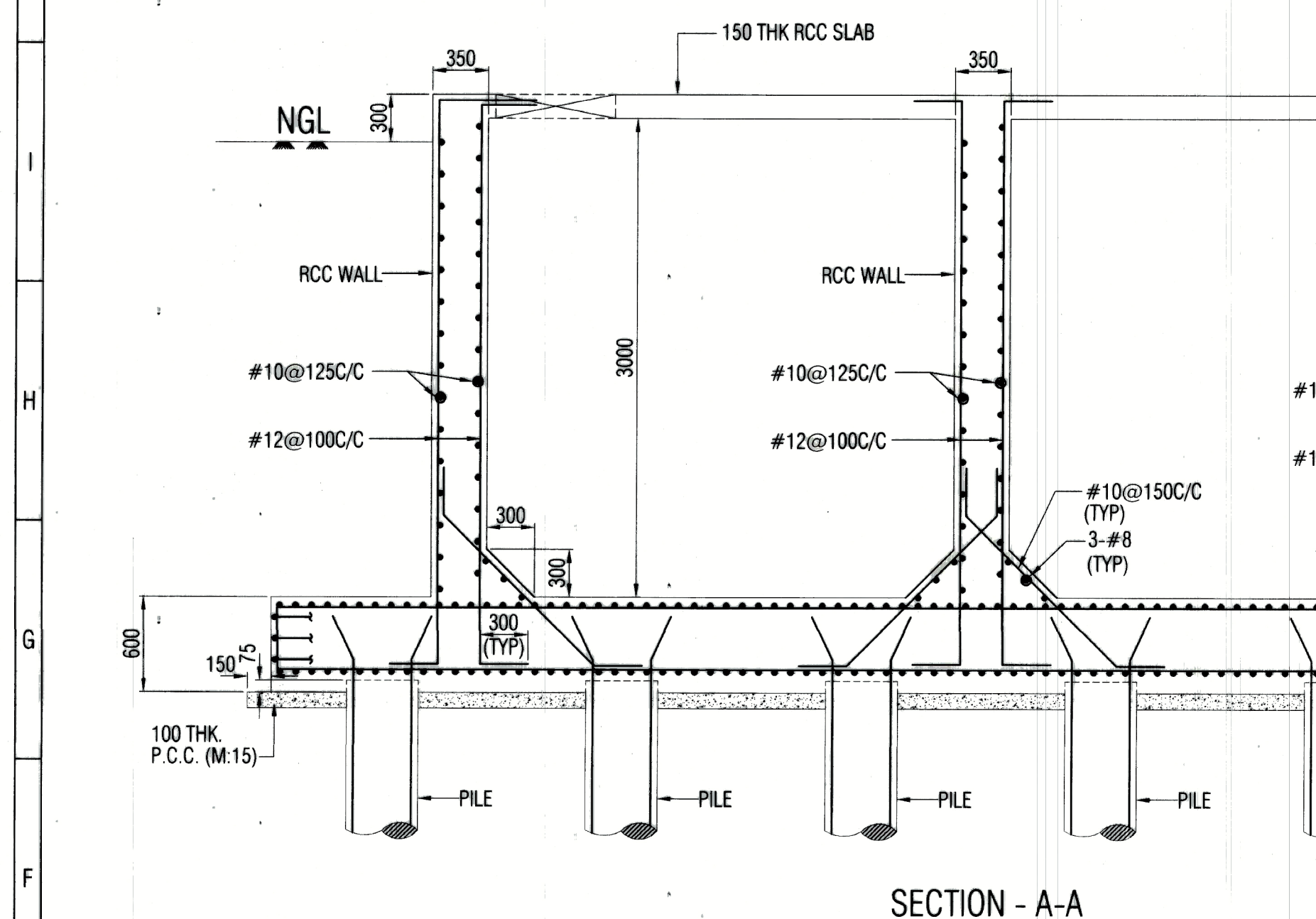
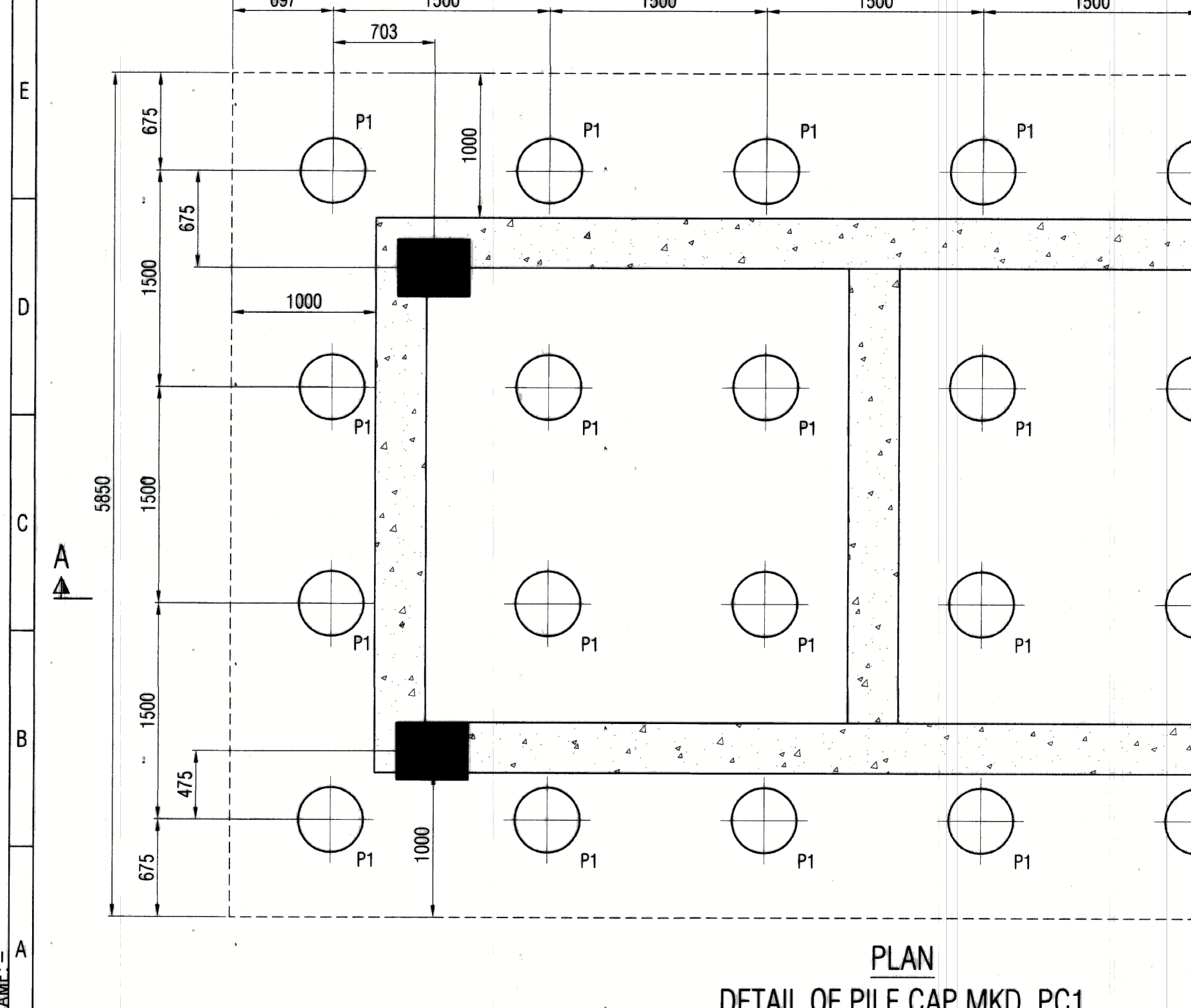


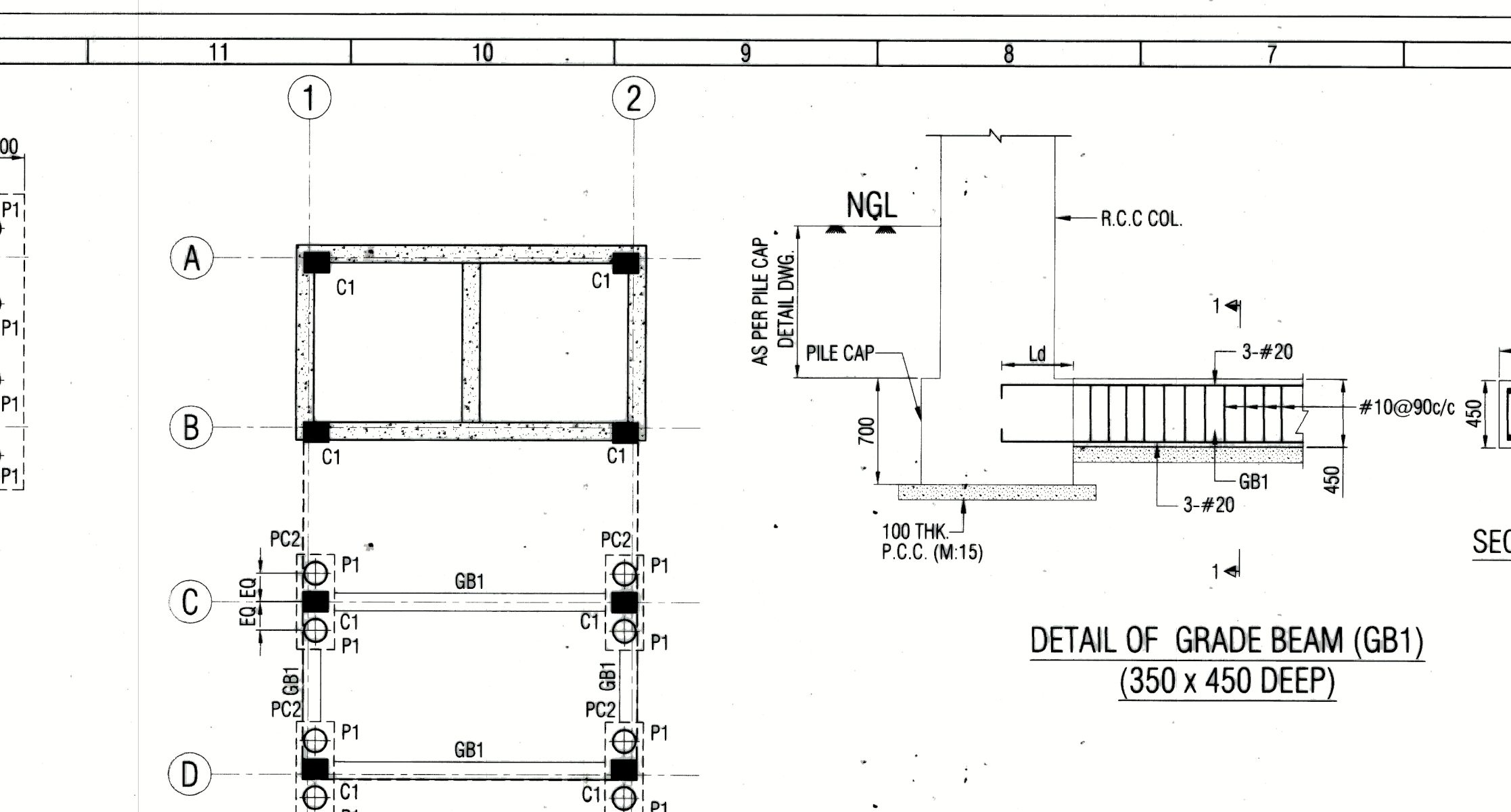
LAYOUT OF PILE & PILE CAP (UG SUMP)



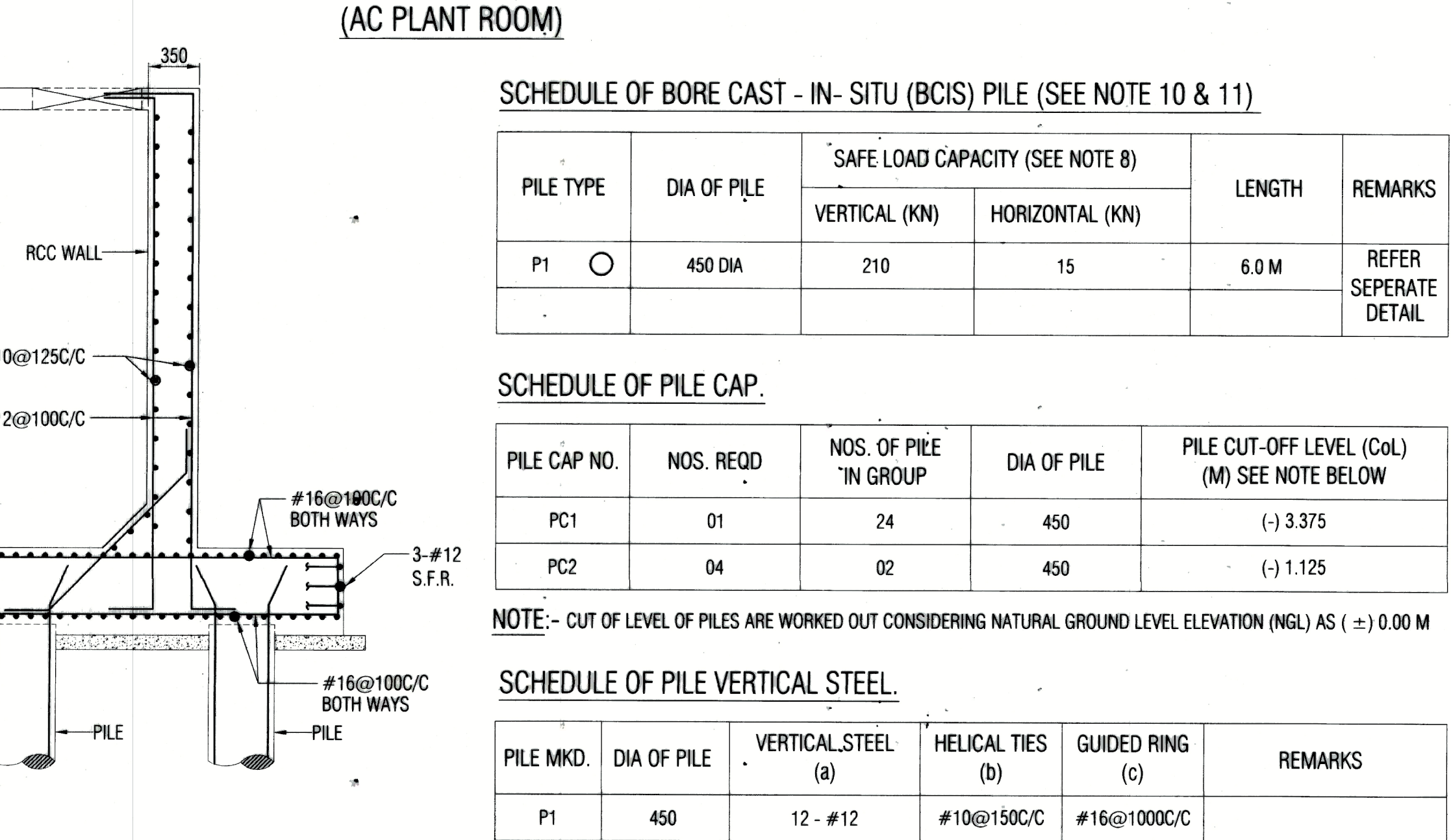
LAYOUT OF COLUMN



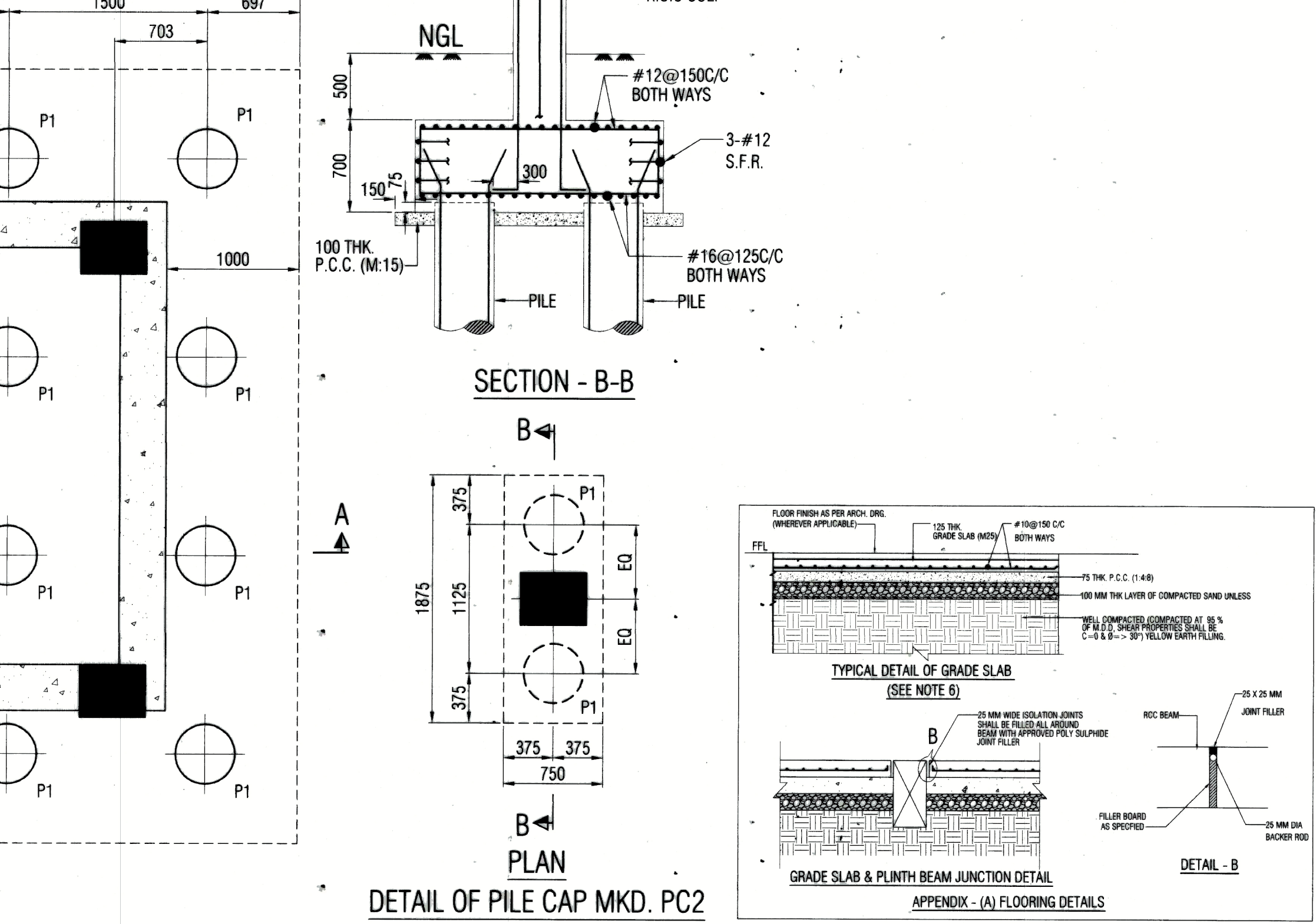
SECTION - A-A



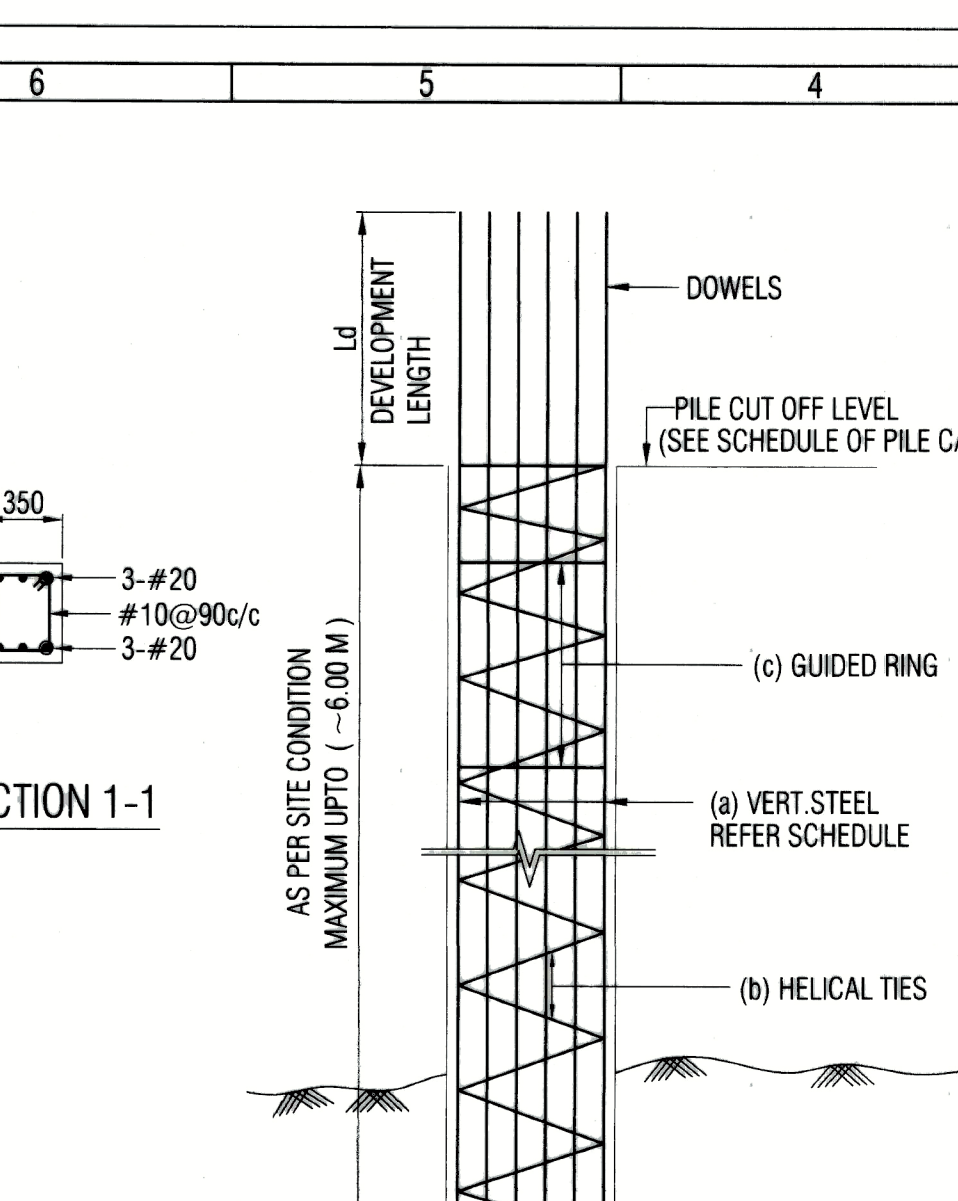
LAYOUT OF PILE & PILE CAP (AC PLANT ROOM)



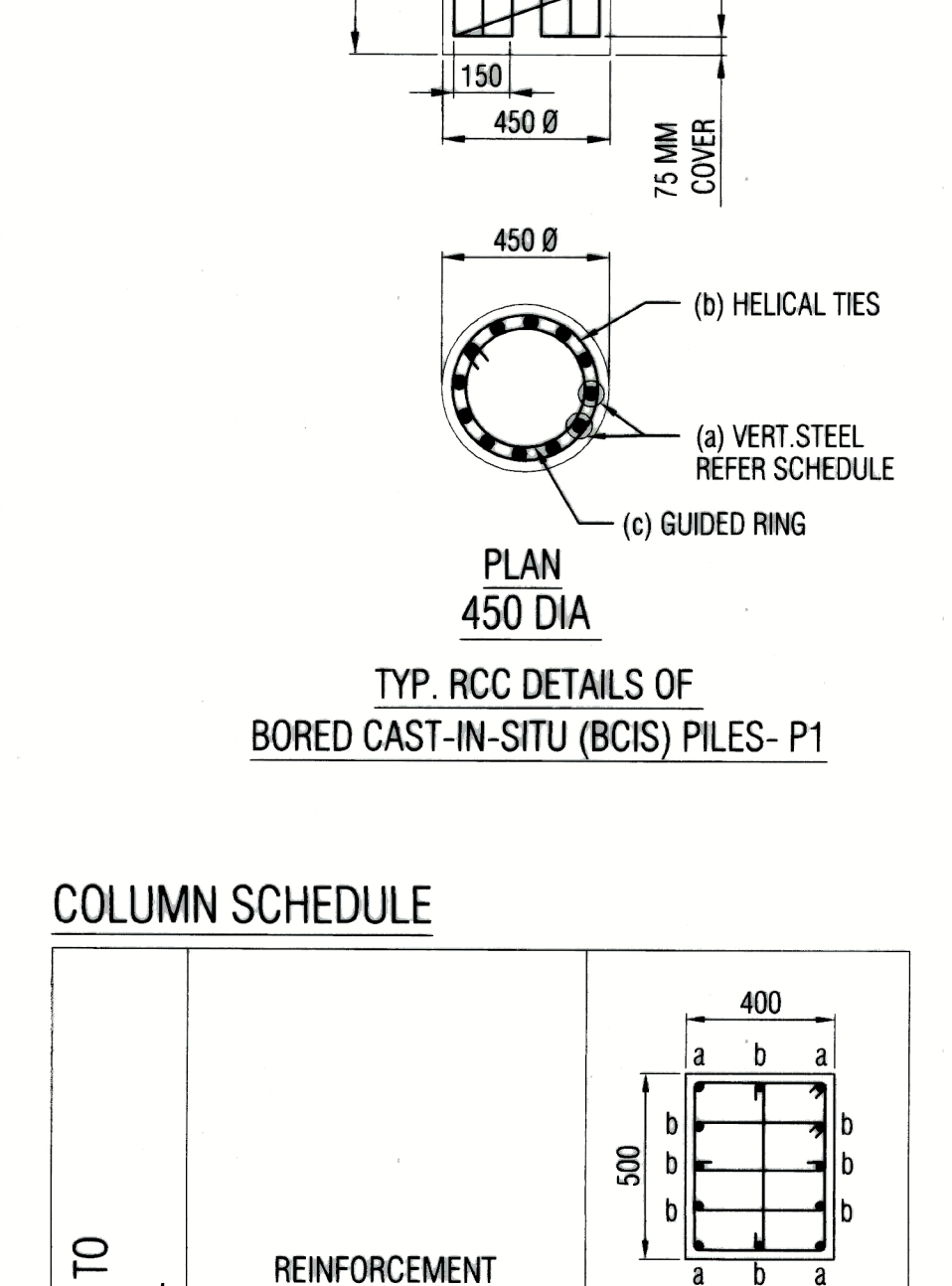
SECTION - B-B



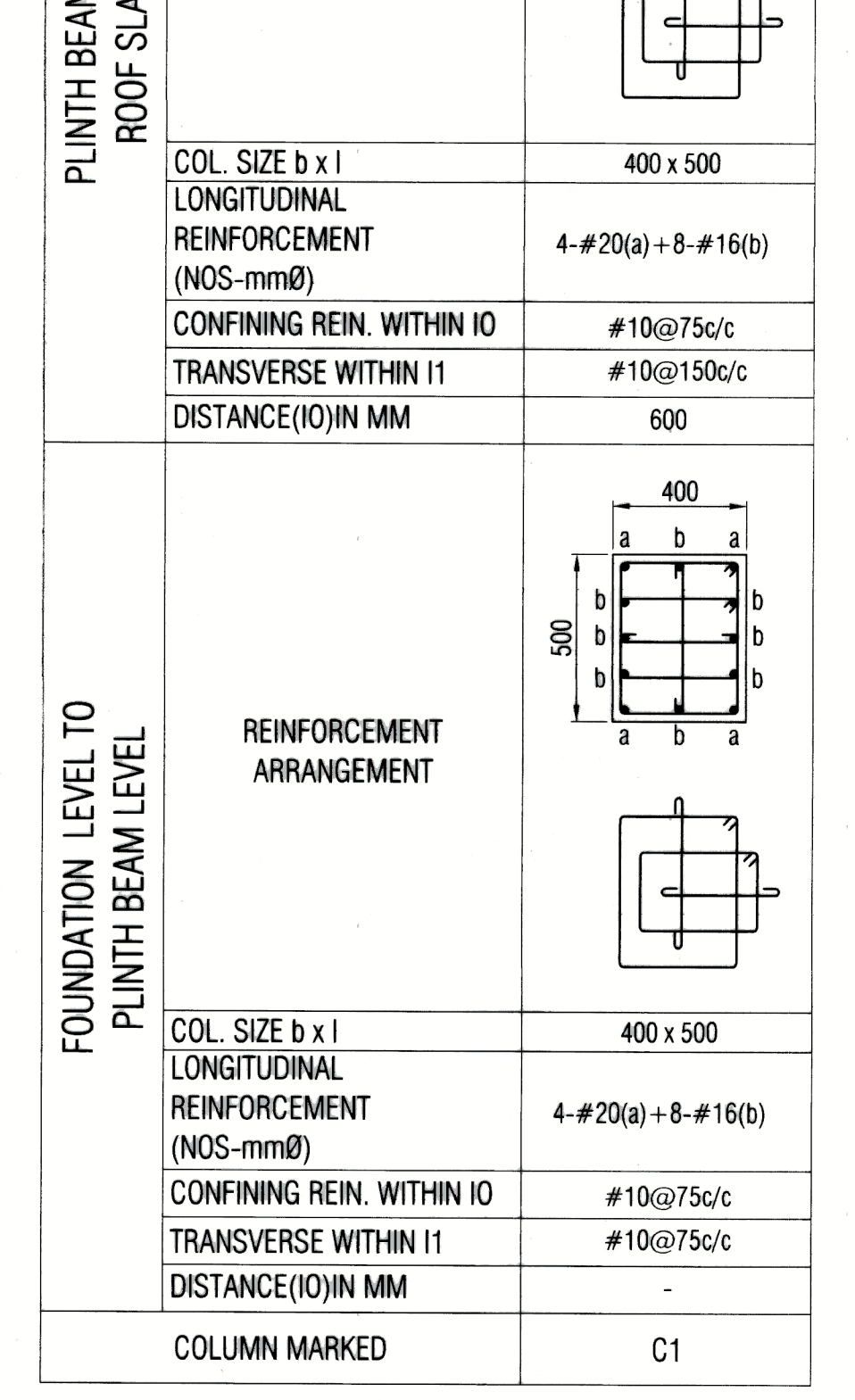
PLAN



DETAIL OF GRADE BEAM (GB1) (350 x 450 DEEP)



SECTION 1-1



PLAN 450 DIA

- NOTE:-**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.
  - ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
  - ALL ROOM DIMENSION, CENTER LINE DIMENSION SHALL BE SET AS PER ARCHITECTURAL DRAWING.
  - FOR STRUCTURAL GENERAL NOTES, REFER DWG. NO. GDR/KPT/005/STR/01.
  - FOR STRUCTURAL STANDARD TYPICAL DETAILS, REFER DWG. NO. GDR/KPT/005/STR/02. SHT. 01 & 02
  - BEAMS AND OTHER STRUCTURAL MEMBER SHALL NOT BE CUT THROUGH TO PROVIDE DRAIN PIPES ETC. SLEEVES OF SUITABLE SIZE MAY BE PROVIDED AT THE TIME OF CASTING THE SLAB TO TAKE OUT THE PIPES LATER.
  - GRADE OF CONCRETE FOR PILES, PILE CAPS AND GRADE BEAM SHALL BE M30 DESIGN MIX. UNLESS NOTED OTHERWISE.
  - DESIGN SAFE LOAD OF PILE HAS BEEN TAKEN AS MENTIONED UNDER SCHEDULE OF PILE. INITIAL TEST AS PER IS: 2911 (PART 4) SHALL BE CARRIED OUT FOR LOAD TWO AND HALF TIMES OF SAFE LOAD CAPACITY OF PILE. IN THE EVENT OF ANY VARIATION AT SITE, MATTER SHALL BE REFERRED TO THIS HQ BY GE.
  - ROUTINE LOAD TEST ON WORKING PILES SHALL BE CARRIED OUT AS PER IS: 2911 (PART 4) MAXIMUM SIZE OF AGGREGATE SHALL BE 20 MM.
  - THE PILING AND PILE CAP WORK SHALL CONFORM TO PROVISIONS IN IS 2911 (PART-1)
  - PILING WORK SHALL COMMENCE ONLY AFTER CARRYING OUT INITIAL LOAD TEST AS PER IS 2911-2013 (PART 4) AND WRITTEN APPROVAL BY GE.
  - PILING DEPTH AND FOUNDING STRATA SHALL BE APPROVED BY GE BEFORE CONCRETING. THE DEPTH OF PILE SHALL BE AS PER MENTIONED IN THE DRAWING. ANY VARIATION IN DEPTH SHALL BE REPORTED TO HQ IMMEDIATELY BY GE.
  - THE VERTICAL REINFORCEMENT OF PILE AND COLUMN SHALL BE TAKEN INTO THE PILE CAP FOR FULL DEVELOPMENT LENGTH.
  - THE MINIMUM CEMENT CONTENT SHALL BE 400 KG/CUM FOR PILING WORK.
  - BORED CAST-IN-SITU CONCRETE PILE (AS PER IS-2911 (PART-1/SEC-2)) HAS BEEN PROPOSED BASED ON SOIL INVESTIGATION REPORT.
  - RECORDS OF LOAD TEST RESULTS INCLUDING PHOTOGRAPHIC RECORD OF BOTH INITIAL AND ROUTINE LOAD TEST SHALL BE MAINTAINED BY THE GE.
  - GEO-TECHNICAL REPORT IS PREPARED BY "GEO TEST HOUSE"
  - THE FOUNDATION STRATA OF EACH PILE SHALL BE APPROVED BY THE GARRISON ENGINEER.
  - CARE SHOULD BE TAKEN TO PRESERVE THE COVER INDICATED AND THE ALIGNMENT OF THE REINFORCEMENT THROUGHOUT THE WHOLE OPERATION OF PLACING THE CONCRETE. CENTRE LINE OF COLUMN SHOULD COINCIDE WITH THE CENTRE OF GRAVITY OF THE PILE CAP.
  - PILE DRAWINGS ARE PREPARED BASED ON COLUMN ALIGNMENTS. EACH COLUMN ALIGNMENT MUST BE CHECKED WITH ARCHITECTURAL DRAWINGS BEFORE EXECUTION.
  - BORING OF PILES SHALL BE DONE WITHOUT CAUSING ANY DAMAGE LIKE CAVING OF ADJACENT PILES.
  - NON - DESTRUCTIVE INTEGRITY TEST ON ALL THE PILES SHALL BE CARRIED OUT AS PER IS:2911 PART - 4.
  - ALL PILING WORK SHALL BE DONE AS PER IS 2911 PART -1 SECTION 2. THE LAYOUT AND CO-ORDINATES BE GOT APPROVED BY THE GARRISON ENGINEER ON SITE BEFORE COMMENCEMENT OF THE WORK.
  - THE PILE SHALL PROTRUDE INTO THE PILE CAP BY ATLEAST 75mm.

NOTE:-

CHECKED & VETTED

Dr. Neelima Satyam D.  
Professor  
Department of Civil Engineering  
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Simrol, Indore-453552, India

REV. DATE DESCRIPTION SIGNATURE

PROJECT:-  
CONSTRUCTION OF ADMINISTRATIVE OFFICE BUILDING  
FOR DEENDAYAL PORT AUTHORITY, KANDLA.

NAME OF WORK:-  
AC PLANT ROOM

TITLE:-  
LAYOUT AND RCC DETAILS OF PILE & PILE CAP  
GRADE BEAM & SCHEDULE

KANDLA PORT TRUST

REF. DRG. NO.:-

SIGNATURE OF CONSULTANT:-  
VISHAL SHAH  
GENERAL MANAGER- DESIGN

CONSULTANT:-  
GEO DESIGNS & RESEARCH (P) LTD.

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DRAWN BY: BALU NAKUM  
DESIGNED BY: HOJEFA  
REVIEWED BY: HOJEFA / DINESH  
SCALE: NOT TO SCALE  
DATE: 04-07-2024

DRG. NO. GDR/KPT/005/STR/21  
PROJECT NO. SHEET NO. REVISION  
GDBU23005 01 OF 01

FILE NAME:-