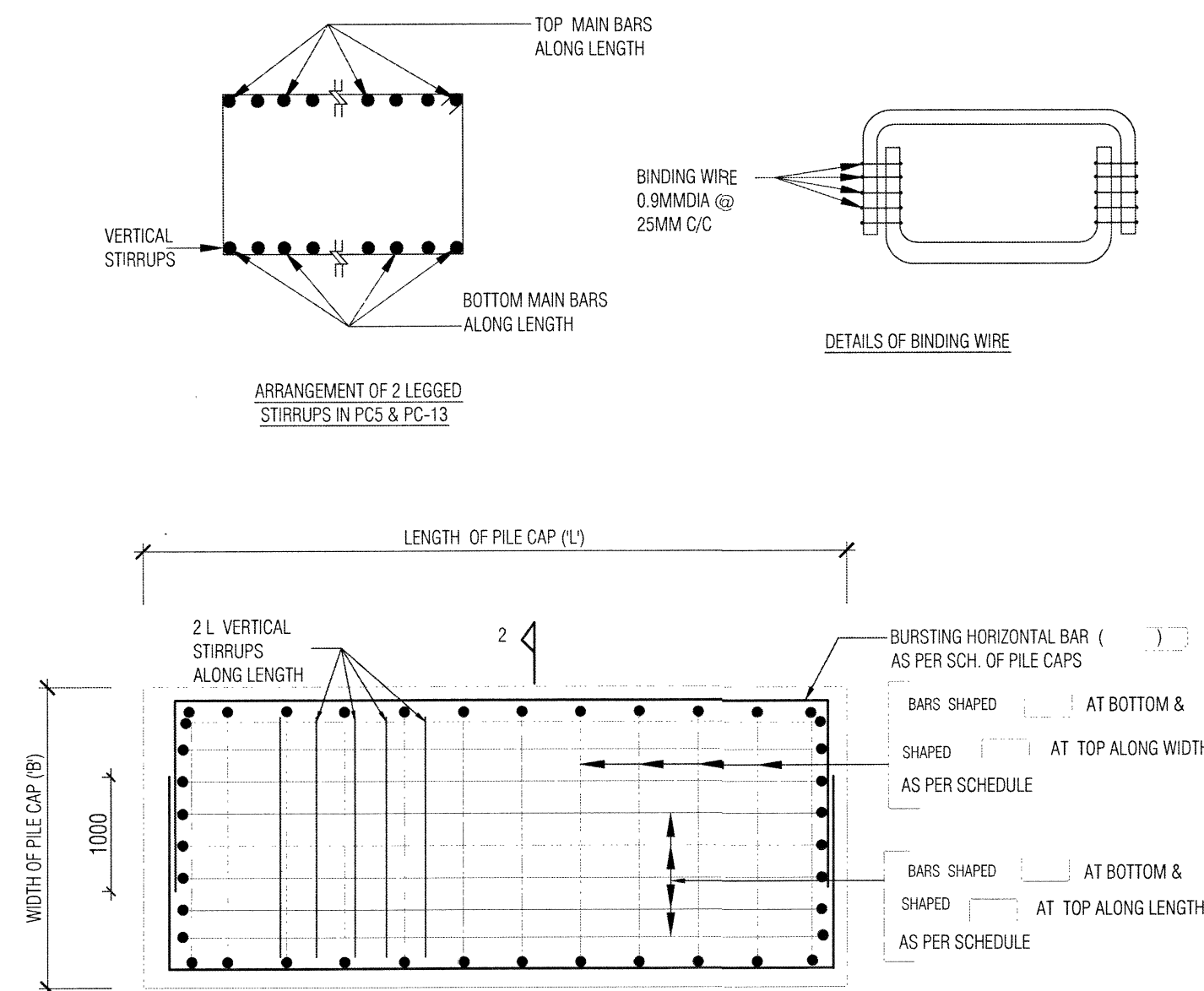
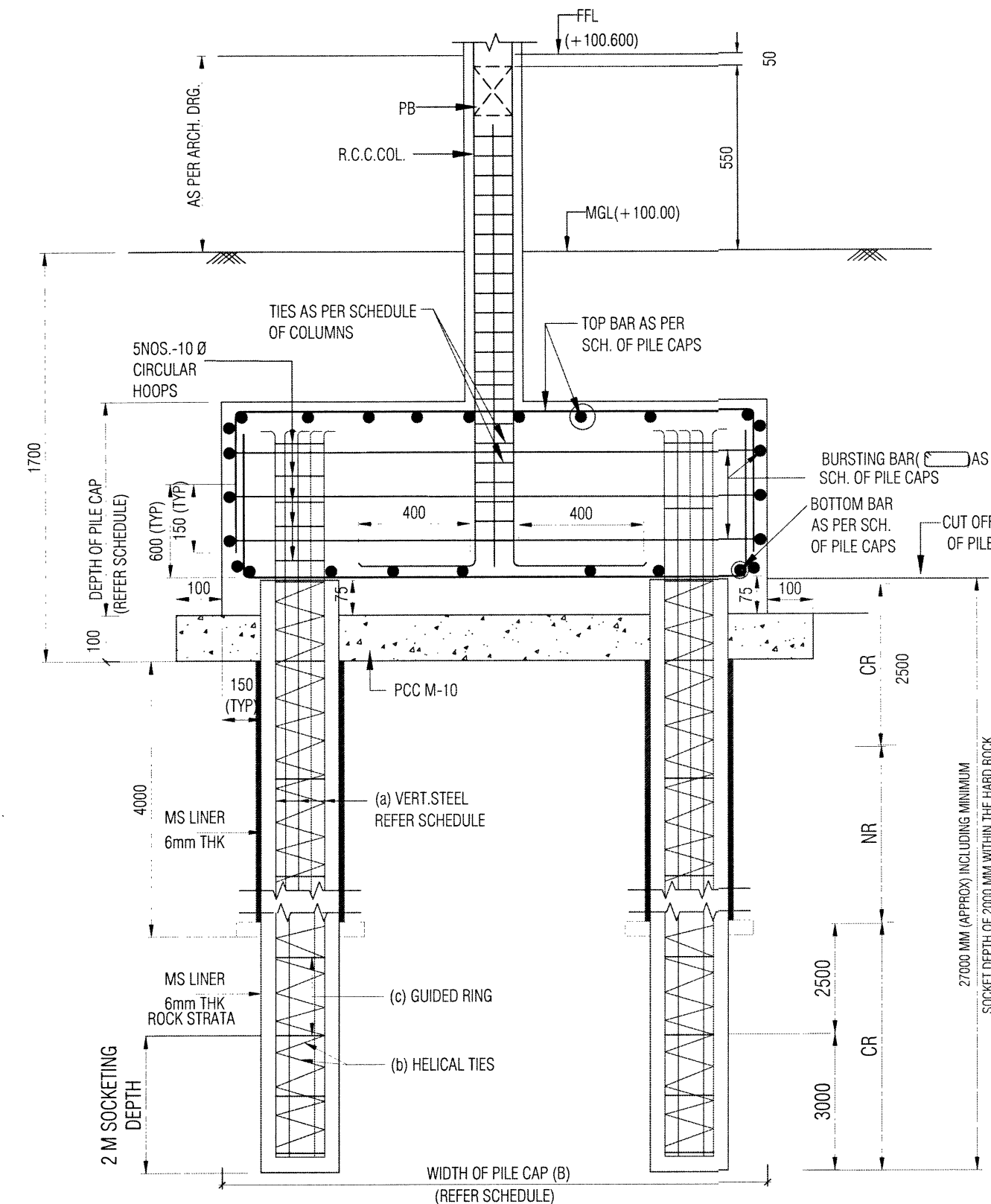


| SCHEDULE OF RCC PILE CAPS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|------------------|------|-----|------------------------------|------------------|------------|-------|-----------------------------|-----|-----|-------|--------------------------|-------|-------------|-------|------------------------------|-------|-------------|-------|---------------------------|-------|-------------|-------|---------------------------------|------|-------|-------------|-------------------------------|--|--|--|
| SL. No. | TYPE OF PILE CAP | PILE | | | SIZE OF PILE CAP | | | REINFORCEMENT IN PILE CAPS | | | | | | | | | | | | | | | | | | | | | | | |
| | | TYPE | DIA | NO. OF PILES IN EACH PILECAP | LENGTH | WIDTH | DEPTH | BOTTOM BARS ALONG WIDTH 'B' | | | | TOP BARS ALONG WIDTH 'B' | | | | BOTTOM BARS ALONG LENGTH 'L' | | | | TOP BARS ALONG LENGTH 'L' | | | | BURSTING HORIZONTAL BARS (TIES) | | | | VERTICAL STIRRUPS ALONG WIDTH | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 'L' | 'B' | 'D' | DIA # | SPACING c/c | DIA # | SPACING c/c | DIA # | SPACING c/c | DIA # | SPACING c/c | DIA # | SPACING c/c | DIA # | SPACING c/c | DIA # | SPACING c/c | LEGS | DIA # | SPACING c/c | | | | |
| 1. | PC 1 | P1 | 450 | 10 | REFER PLAN | REFER PLAN | 1200 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 12 | 150 | - | - | - | | | | | | | | | |
| 2. | PC 2 | P2 | 450 | 25 | 6250 | 6250 | 1200 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 12 | 150 | - | - | - | | | | | | | | | |
| 3. | PC 3 | P3 | 450 | 03 | REFER PLAN | REFER PLAN | 1500 | 20 | 100 | 20 | 100 | 20 | 100 | 20 | 100 | 20 | 100 | 12 | 150 | - | - | - | | | | | | | | | |
| 4. | PC 3A | P3 | 450 | 03 | REFER PLAN | REFER PLAN | 1700 | 20 | 100 | 20 | 100 | 20 | 100 | 20 | 100 | 20 | 100 | 12 | 150 | - | - | - | | | | | | | | | |
| 4. | PC 4 | P4 | 600 | 24 | 10000 | 6400 | 1200 | 20 | 100 | 16 | 100 | 20 | 100 | 16 | 100 | 12 | 150 | - | - | - | - | - | | | | | | | | | |
| 5. | PC 5 | P5 | 450 | 08 | 4900 | 2200 | 1200 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 12 | 150 | - | - | - | | | | | | | | | |
| 6. | PC 6 | P6 | 450 | 06 | 3550 | 2200 | 1200 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 12 | 150 | - | - | - | | | | | | | | | |
| 7. | PC 7 | P3 | 450 | 71 | REFER PLAN | REFER PLAN | 1000 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 12 | 150 | - | - | - | | | | | | | | | |
| 8. | PC 8 | P3 | 450 | 03 | REFER PLAN | REFER PLAN | 1000 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 12 | 150 | - | - | - | | | | | | | | | |
| 9. | PC 9 | P3 | 450 | 06 | 3550 | 2200 | 1000 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 16 | 100 | 12 | 150 | - | - | - | | | | | | | | | |



NOTE :- SPliced LENGTH OF HORIZONTAL BURSTING BARS SHALL BE 1000 AND SHALL BE INTERMITTENT WELDED AT CONTINUOUS INTERVAL IN ADDITION TO BINDING WITH BINDING WIRE.

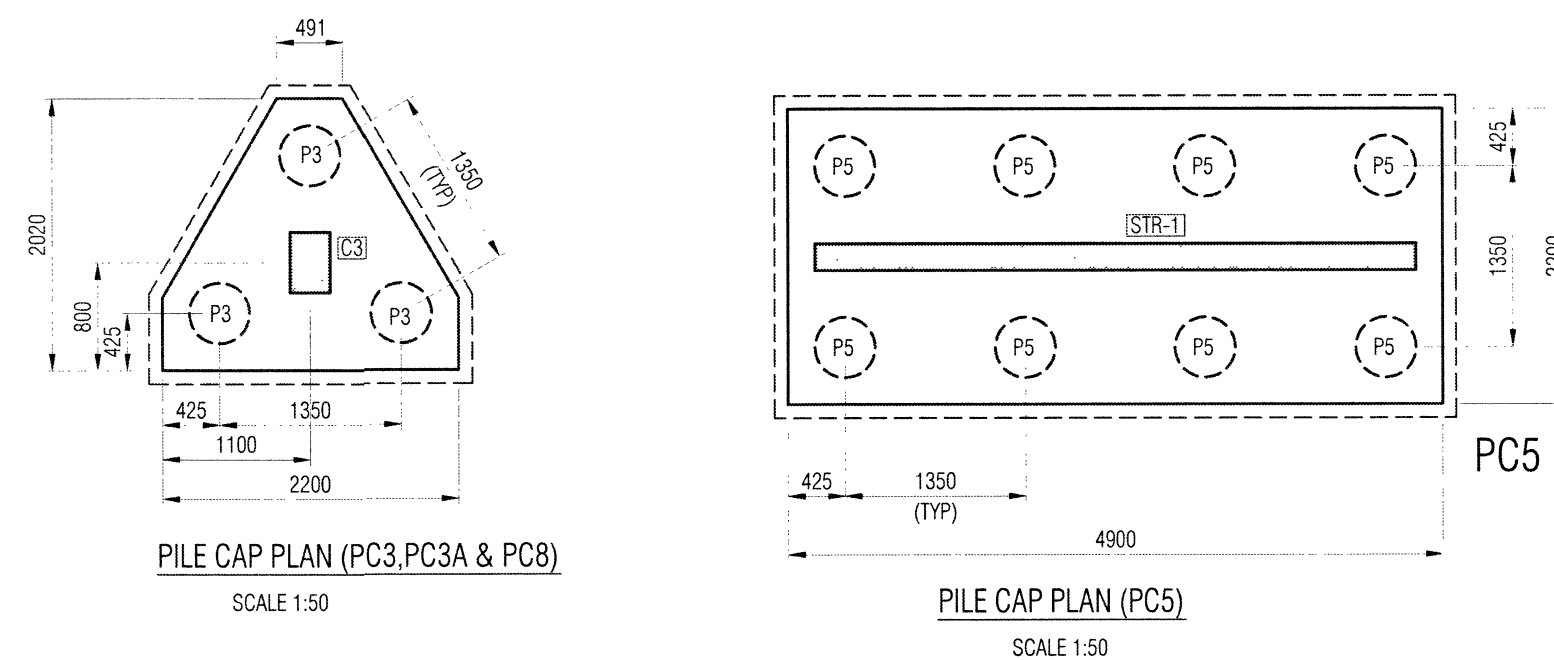
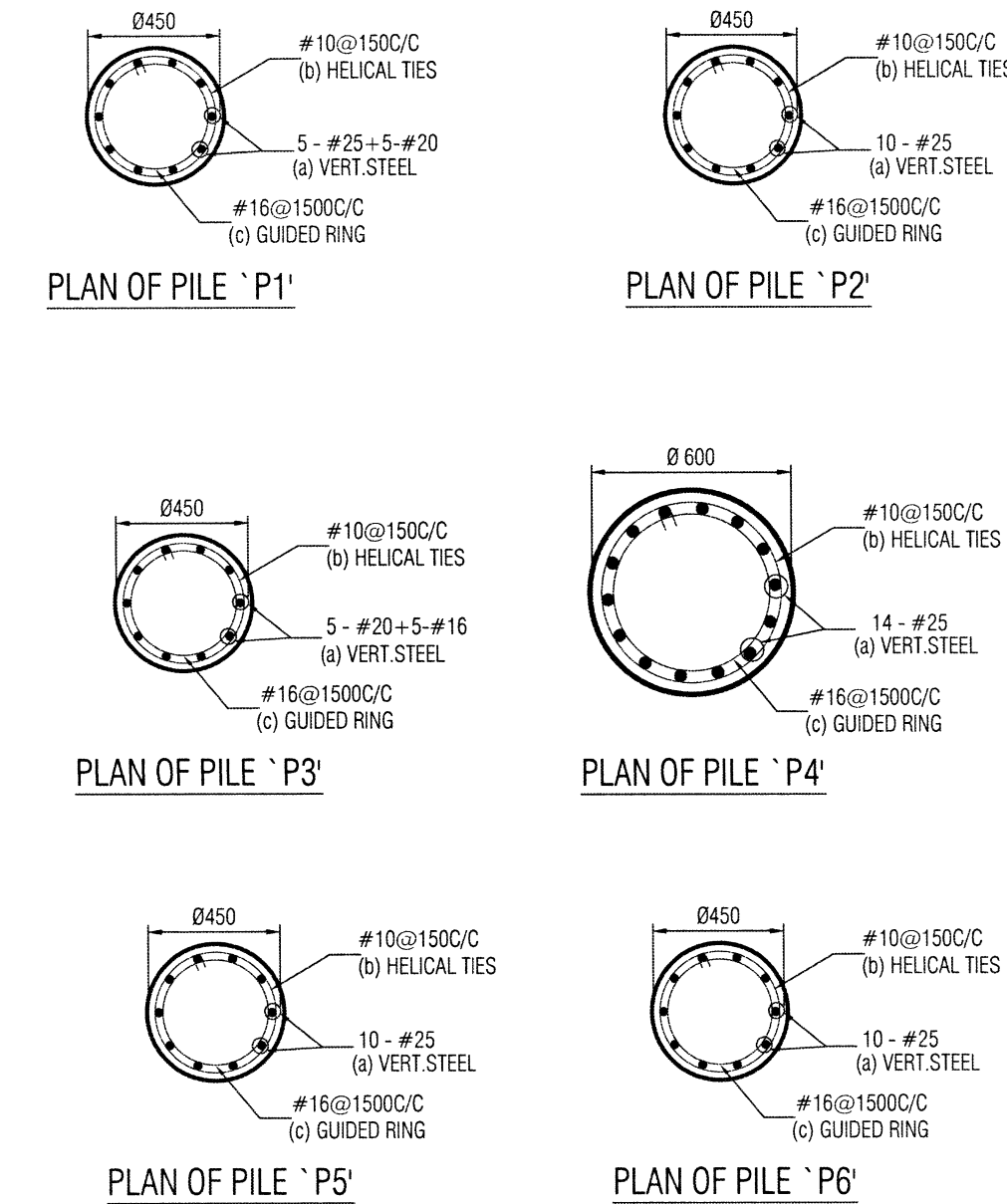
SCHEDULE OF BORE CAST - IN- SITU (BCIS) PILE

| DIA OF PILE | SAFE LOAD CAPACITY | | | REMARKS |
|-------------|--------------------|--------------|-------------|---------|
| | VERTICAL (kN) | LATERAL (kN) | UPLIFT (kN) | |
| 600 | 2450 | 95 | 1700 | |
| 450 | 1550 | 70 | 1250 | |

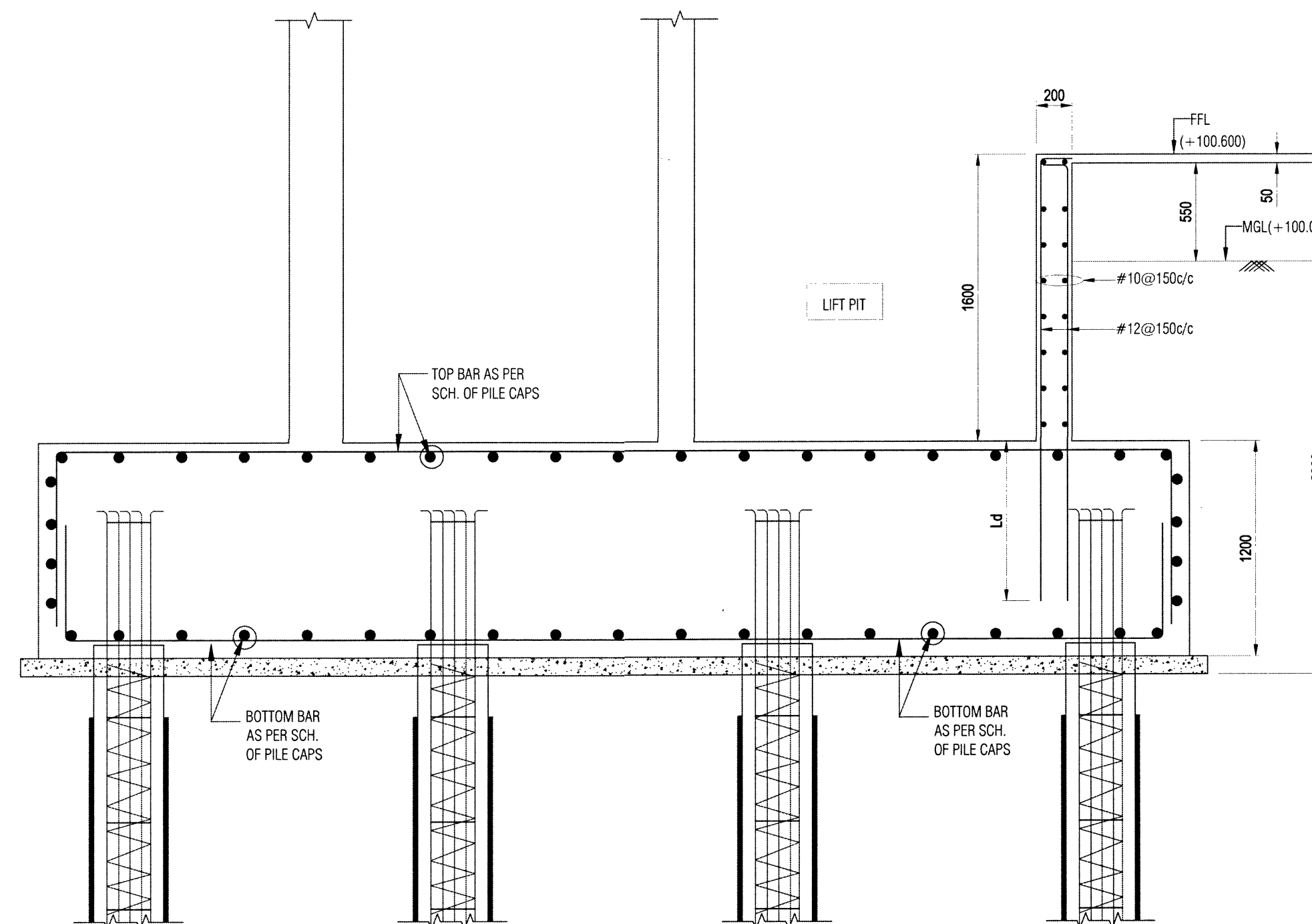
SCHEDULE OF PILE VERTICAL REINFORCEMENT

| PILE MKD. | DIA OF PILE | VERTICAL STEEL (a) | HELICAL TIES (b) | GUIDED RING (c) | REMARKS |
|-----------|-------------|--------------------|------------------|-----------------|---------|
| P1 | 450 | 5 - #25 + 5 - #20 | #10@1500/C | #16@1500/C | |
| P2 | 450 | 10 - #25 | #10@1500/C | #16@1500/C | |
| P3 | 450 | 5 - #20 + 5 - #16 | #10@1500/C | #16@1500/C | |
| P4 | 600 | 14 - #25 | #10@1500/C | #16@1500/C | |
| P5 | 450 | 10 - #25 | #10@1500/C | #16@1500/C | |
| P6 | 450 | 10 - #25 | #10@1500/C | #16@1500/C | |

NOTE :- CUT OF LEVEL OF PILES ARE WORKED OUT CONSIDERING MADE UP GROUND LEVEL ELEVATION (MGL) AS (+/-) 0.00 M



FOR DIMENSIONS OF ALL PILE CAPS REFER PILE & PILE CAP LAYOUT



SECTION FOR PILE CAP 'PC4' ONLY (LIFT PIT AREA)

GENERAL NOTES:

- DO NOT SCALE FROM THE DRAWINGS.
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE VERIFIED ON SITE & APPROVED BY THE ENGINEER.
- ALL LAPS IN WALLS & COLUMNS SHALL BE GIVEN AS TENSION LAPS ONLY.
- FOR TYPICAL DETAILS REFER DRG. NO. ISC/CE(N)/DU/GN/01
- FOR GENERAL NOTES REFER DRG. NO. ISC/CE(N)/DU/GN/02 SHT.1 & 2
- COLUMN SCHEDULE REFER DRG. NO. ISC/CE(N)/DU/GN/200 SHT.1 & 2
- TO BE READ IN CONJUNCTION WITH THE ARCH DRAWINGS.

FOR NOTES ON PILING WORK REFER DRG. NO. :- CEVZWD/2/110(S)/SA/CH/DH, SHT. NO.:- 5/20

| | | | |
|---|---|------------------|------------------|
| S.NO. | DATE | DESCRIPTION | INITIAL |
| REVISIONS | | | |
| CLIENT: | CHIEF ENGINEER (NAVY) VISAKHAPATNAM ZONE | | SHT NO: 4R/20 |
| REF. DRG. NO. CEVZWD/2/110(S)/SA/CH/DH | | | |
| DESIGNS & DRAWINGS PREPARED BY CONSULTANCY FIRM M/S INTEGRITY STRUCTURAL CONSULTANT AND VETTED BY NATIONAL INSTITUTE OF TECHNOLOGY TRICHY | | | |
| NAME OF PROJECT: PROVISION OF DEFICIENT 287 SINGLE INLIVING ACCN ASSOCIATED FACILITIES FOR DSC AT NAVAL DOCKYARD, VISAKHAPATNAM (BD NO AMWP 46/2020) | | | |
| TITLE OF DRAWING:- PILE CAP REINFORCEMENT SCHEDULE | | | |
| STRUCTURAL CONSULTANTS: INTEGRITY STRUCTURAL CONSULTANTS 103, Mayuri Manasa Apartments, Dutch Layout, Visakhapatnam - 17 Email: integritystco@gmail.com | | | |
| CONSULTANT DWG NO: ISC/CE(N)/DU/OM/100-1 | | SHEET NO:- | |
| SHEET: A1 | DATE: 08/01/2023 | JOB NO: 07-21 | |
| DRAWN: MUZ | CHECKED: SS | APPRD: NS | |
| DESIGNED BY: Dr. NAJEEB SHARIF, Ph.D. (TECH ADVISOR)-ISC 103, Mayuri Manasa Apartments, Dutch Layout, Visakhapatnam - 17, Email: integritystco@gmail.com | | | |
| VETTED BY: Dr. Mashudha Sulthana, PhD Assistant Professor Department of Civil Engineering National Institute of Technology Trichirappalli - 620 015 Dr. MASHUDHA SULTHANA, Ph.D. ASSISTANT PROFESSOR DEPARTMENT OF CIVIL ENGINEERING NATIONAL INSTITUTE OF TECHNOLOGY TRICHIRAPPALLI-620 015. | | | |