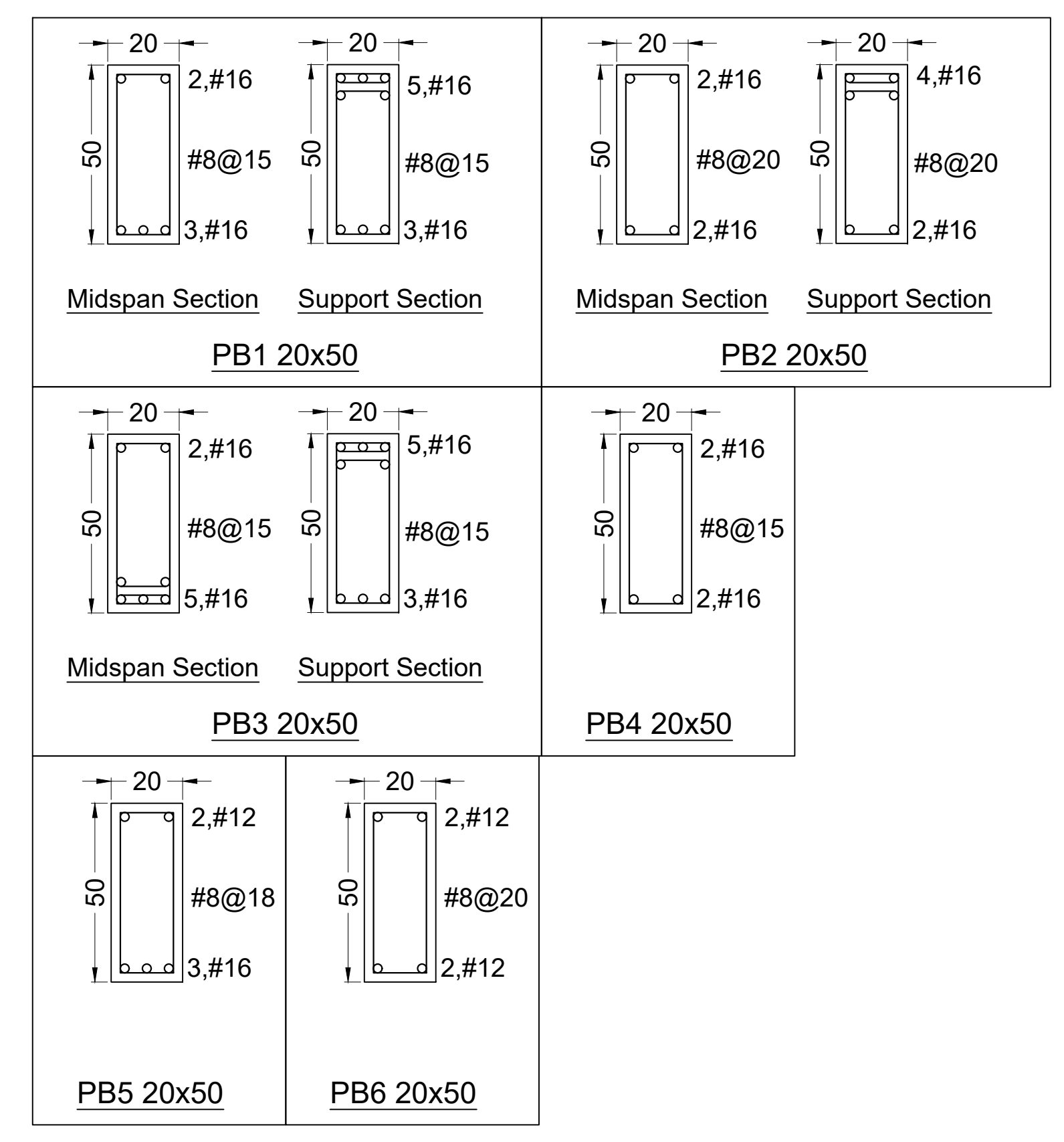


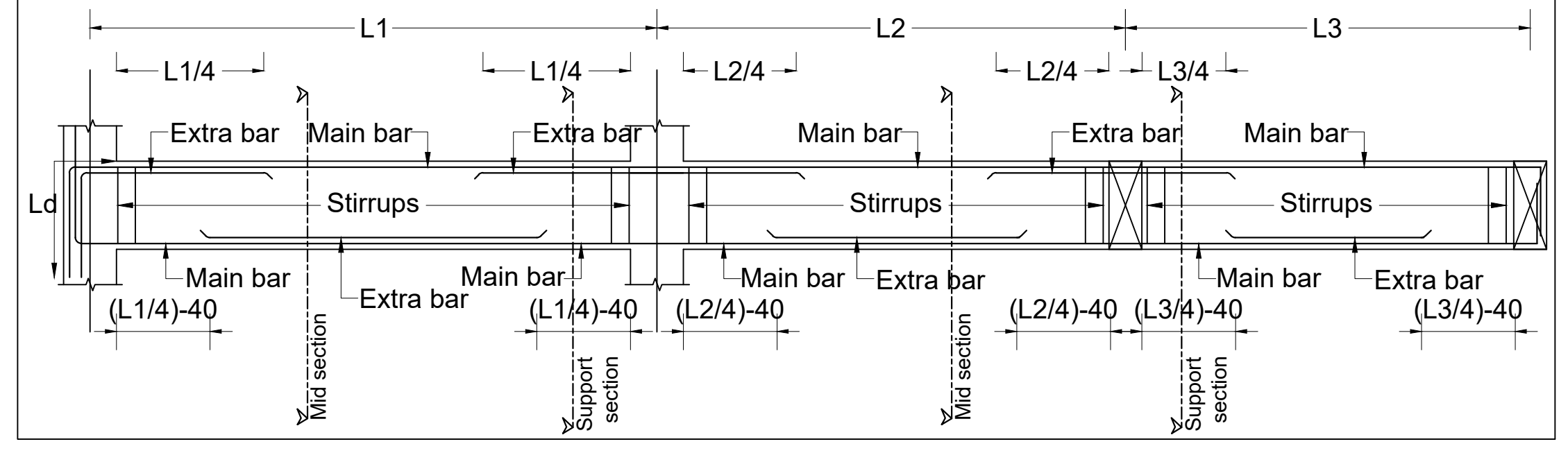
PLINTH BEAM LAYOUT

**NOTE:**  
 1. THE PLINTH BEAM SHALL REST ON HARD STRATA.  
 2. PROVIDE 10CM THICK PCC USING MIX 1:4:8 AT BOTTOM.  
 3. ExSR - EXTEND THE SUPPORT REINFORCEMENTS OF BEAM.

**PLINTH BEAM DETAIL**



**TYPICAL LONGITUDINAL SECTION OF PLINTH BEAM SHOWING CURTAILMENT OF REINFORCEMENT**



|                        |                 |   |                   |                              |  |  |  |                   |  |                       |  |               |  |  |  |
|------------------------|-----------------|---|-------------------|------------------------------|--|--|--|-------------------|--|-----------------------|--|---------------|--|--|--|
| <b>PROJECT</b>         |                 | PROPOSED BUILDING AT KOTTAKKAL ARYAVAIIDYASALA, VADAKANTHARA. |                   | <b>CLIENT</b>                |  | M/S KOTTAKKAL ARYAVAIIDYASALA  |  | <b>REVISIONS:</b> |  | <b>GENERAL NOTES:</b> |  |               |  |  |  |
| <b>PROJECT NO:</b>     |                 | DS/MOD/HOS/AVS/118/2024                                       |                   | <b>ARCHITECT</b>             |  | <b>MODARCHS</b><br>CONSULTANTS INDIA (Pvt.) Ltd.,<br>ARCHITECTS ■ ENGINEERS ■ DESIGNERS<br><small>Modarchs Center: 27/95A, Parampilly Nagar, Cochin 682036, INDIA<br/>         M: +91 9447058913 T: +91 4841332876/232748 E: info@modarchs.in<br/>         S.D.N.R. 035 Sree Ganesh Nagar Sakthiapparam Palakkad Kerala 678010 INDIA<br/>         91-91 9448020213 T: +91 4841332876 E: info@modarchs.in</small> |  | <b>NO:</b>        |  | <b>DATE</b>           |  | <b>DETAIL</b> |  | 1. ALL DIMENSIONS ARE IN CENTIMETERS & BAR DIAMETER IN MILLIMETERS.<br>2. CLEAR COVER TO MAIN REINFORCEMENT :<br>FOOTING, RAFT 50 mm<br>PILE 60 mm<br>PILE CAPS 75 mm<br>PLINTH BEAMS 25 mm<br>BEAMS 25 mm<br>SLABS, STAIRS 20 mm<br>COLUMNS 40 mm<br>WATER TANKS 30 mm<br>3. ALL RCC WORKS (INCLUDING MATERIALS) SHALL CONFIRM TO IS:456 - 2000 OR ITS LATEST REVISION.<br>4. PRECAST COVERING BLOCKS OF SAME MIX CONCRETE SHALL BE USED TO ENSURE ADEQUATE COVER.<br>5. LEVELS AND PLUMB OF FORMWORK SHALL BE CHECKED AND CONFIRMED BY THE CONTRACTOR OR SITE ENGINEER.<br>6. FORMWORK SHALL BE ADEQUATE TO BEAR THE LOAD WHILE CONCRETING AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR.<br>7. DESIGNER IS NOT RESPONSIBLE FOR DEFECTS ARISING OUT OF USE OF FAULTY/POOR QUALITY MATERIAL AT SITE.<br>8. BENDING AND PLACING OF STEEL BARS SHALL CONFIRM TO SP:34.<br>9. MACHINE MIXED CONCRETE SHALL BE USED FOR CONCRETING.<br>10. BEAM SHALL BE ANCHORED IN TO THE COLUMN AS SHOWN.<br>11. LAP/ANCHORAGE LENGTH OF STEEL BARS (Ld) IS EQUAL TO 50 TIMES DIAMETER OF BAR.<br>12. ALL DIMENSIONS, LEVELS ETC SHALL BE CHECKED WITH RELEVANT ARCHITECTURAL DRAWINGS. VARIATION, IF ANY, SHALL BE CLARIFIED BEFORE EXECUTION. |  |
| <b>DRG. TITLE</b>      |                 | PLINTH BEAM LAYOUT & DETAIL                                   |                   |                              |  |  |  |                   |  |                       |  |               |  |  |  |
| <b>SHEET NO:</b>       |                 | SD/CON/03   |                   | <b>STRUCTURAL CONSULTANT</b> |  | <b>DESIGN SPECTRUM</b><br>STRUCTURAL CONSULTANTS<br>3rd FLOOR, SEIKEN CHAMBERS,<br>KANNUR ROAD, CALICUT - 673001.<br>PH : 9074929417 , 0495 - 2765697.<br>E-mail: projects@designspectrum.co.in  |  | <b>NO:</b>        |  | <b>DATE</b>           |  | <b>DETAIL</b> |  |  |  |
| <b>DATE OF ISSUE</b>   |                 | 13-02-2025  |                   | <b>STATUS</b>                |  |  |  | <b>NO:</b>        |  | <b>DATE</b>           |  | <b>DETAIL</b> |  |  |  |
| <b>MIX/STEEL GRADE</b> |                 | M25/ Fe 500   |                   | <b>TENDER</b>                |  |  |  | <b>NO:</b>        |  | <b>DATE</b>           |  | <b>DETAIL</b> |  |  |  |
| <b>DRAWN</b>           | <b>DESIGNED</b> | <b>CHECKED</b>  | <b>ESTIMATION</b> |                              |  |  |  | <b>NO:</b>        |  | <b>DATE</b>           |  | <b>DETAIL</b> |  |  |  |
| AFSAL                  | SK              | PRANAV  | DISCUSSION        |                              |  |  |  | <b>NO:</b>        |  | <b>DATE</b>           |  | <b>DETAIL</b> |  |  |  |
| <b>SCALE</b>           |                 | NOT TO SCALE.   |                   | <b>CONSTRUCTION</b>          |  |  |  | <b>NO:</b>        |  | <b>DATE</b>           |  | <b>DETAIL</b> |  |  |  |