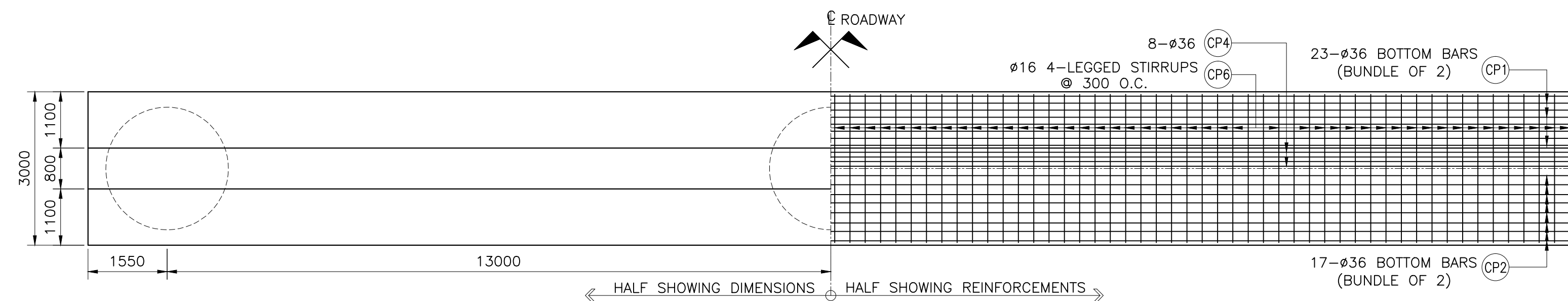
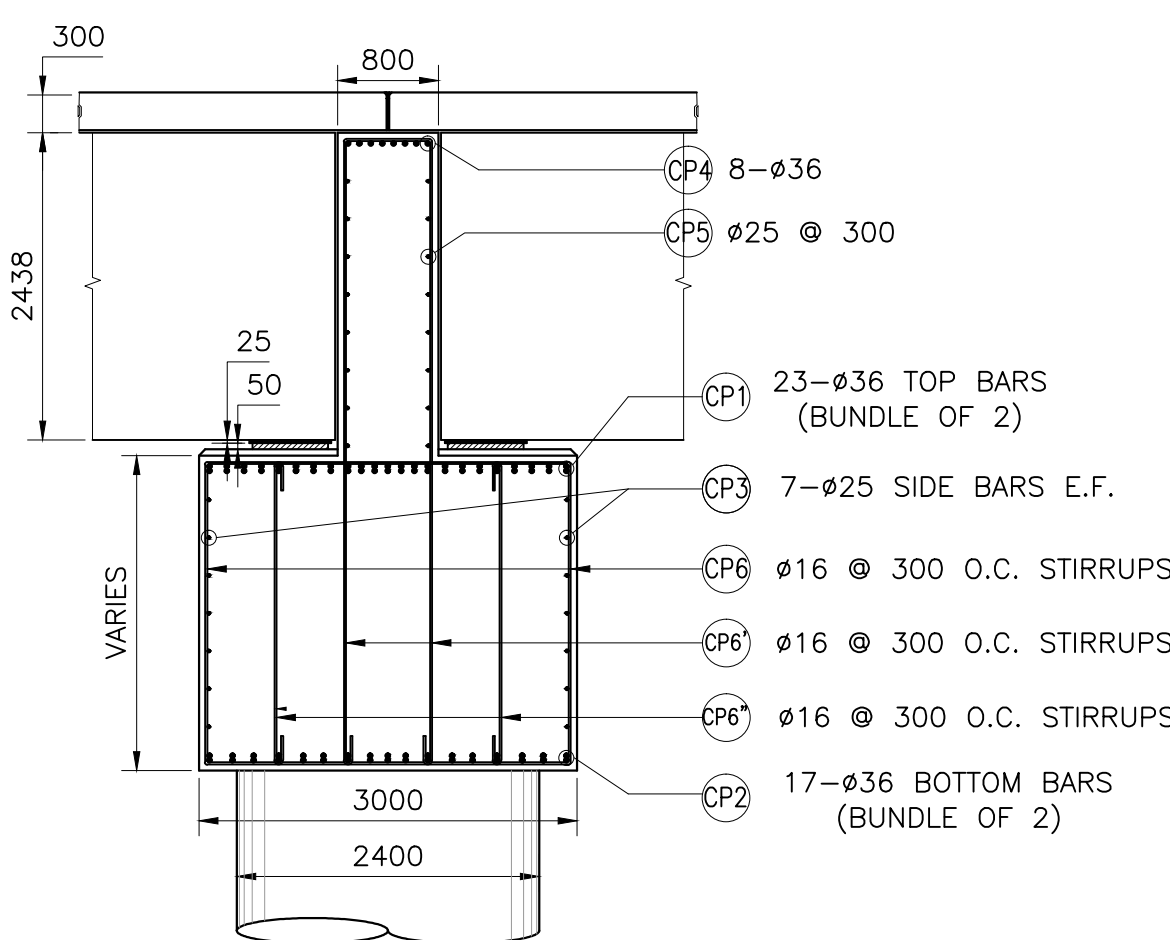


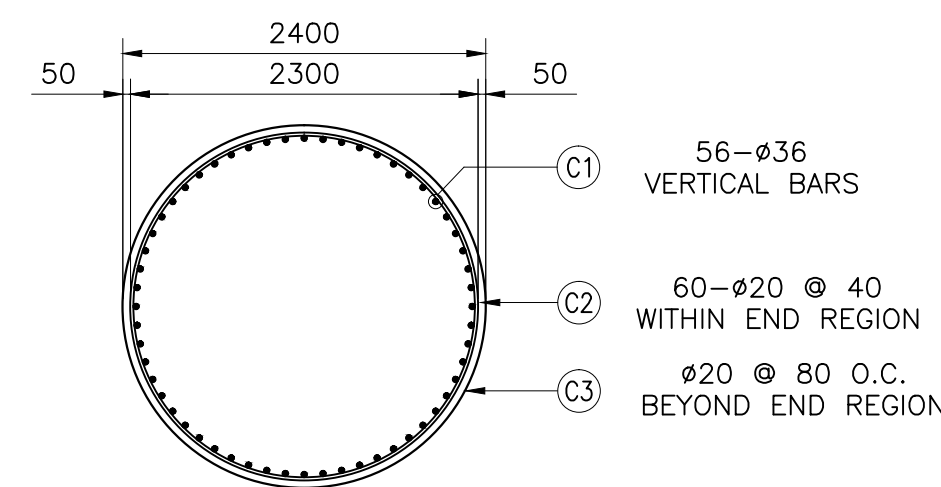
1 PIER 8 COPING ELEVATION  
SCALE 1:100



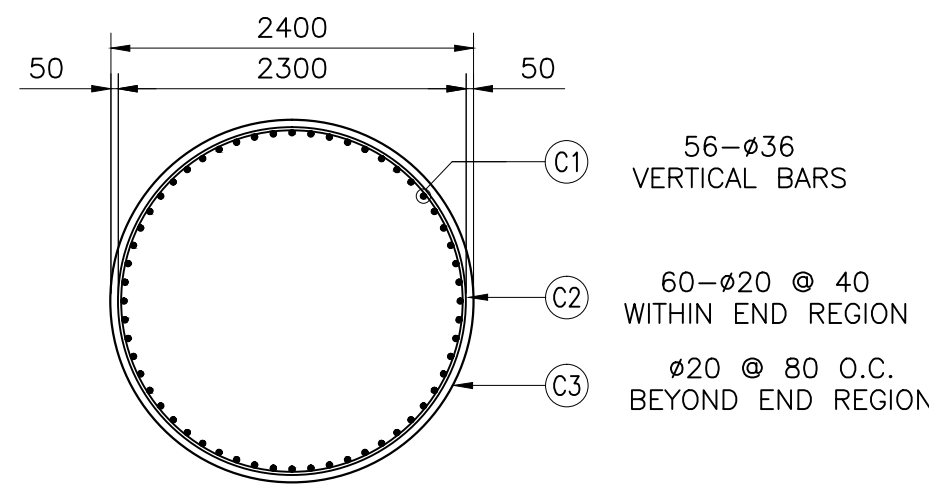
2 PIER 8 COPING PLAN  
SCALE 1:75



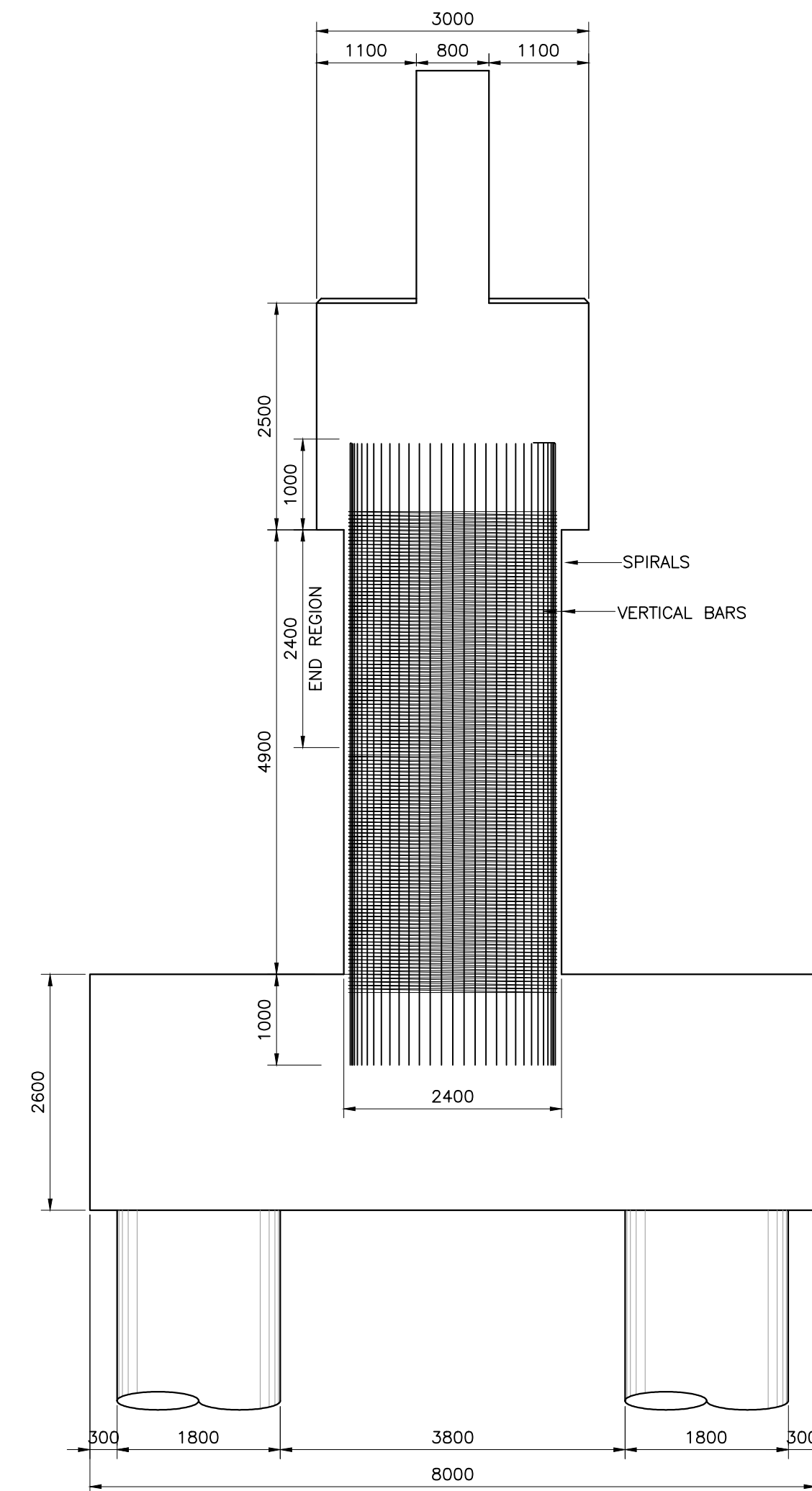
4 PIER 8 COPING SECTION  
SCALE 1:60



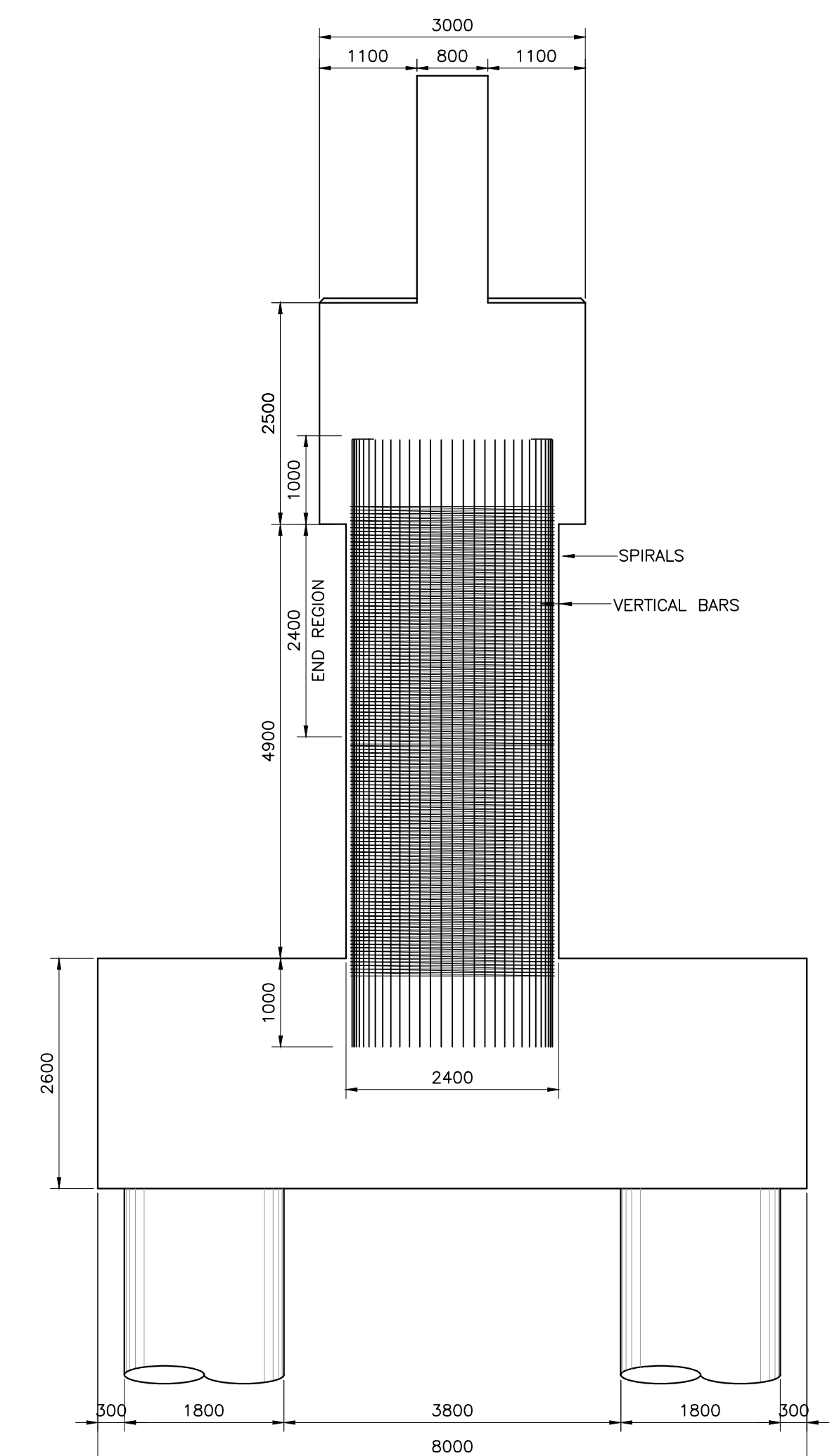
5A PIER 8 LEFT AND RIGHT  
SCALE 1:50



5B PIER 8 CENTER  
SCALE 1:50



3A PIER 8 LEFT AND RIGHT  
SCALE 1:60







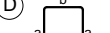

3B PIER 8 CENTER  
SCALE 1:60

3 PIER 8 TYPICAL SECTION  
SCALE 1:60

NOTE:  
PURSUANT TO SECTION 4 OF ANNEX "A" OF THE REVISED IMPLEMENTING RULES AND REGULATIONS OF RA 9184,  
APPROVED BY THE AUTHORIZED DPWH OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY  
THE CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE  
SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.  
THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE  
TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANT.

ENGR. ALBERTO C. CANETE  
TEAM LEADER

#### SCHEDULE OF REINFORCEMENTS FOR PIER 8 COLUMN AND COPING

| BAR BENDING DIAGRAM |   | REINFORCING STEEL BARS |           |              |          | ALL DIMENSIONS ARE OUT TO OUT OF REBARS |     |     |     |      |      | TYPE | LOCATION | BAR LENGTH (m) | TOTAL LENGTH (m) | UNIT WEIGHT (kg/m) | TOTAL WEIGHT (kg) | CONCRETE VOLUME (cu.m) | REMARKS |                                  |
|---------------------|---|------------------------|-----------|--------------|----------|---|-----|-----|-----|------|------|------|----------|----------------|------------------|--------------------|-------------------|------------------------|---------|----------------------------------|
|                     |   | MARK                   | SIZE (mm) | SPACING (mm) | QUANTITY | a                                       | b   | c   | d   | e    | f    |      |          |                |                  |                    |                   |                        |         |                                  |
| N                   |  | C1                     | 36        | AS SHOWN     | 56       | 6.9                                     | 0.5 |     |     |      |      |      | A        | COLUMN         | 7.9              | 442.40             | 7.996             | 3538                   | 23      | QUANTITY FOR ONE (1) COLUMN ONLY |
|                     |  | C2                     | 20        | 40           | 60       | 7.6                                     | 0.2 |     |     |      |      |      | F        |                | 7.8              | 468.00             | 2.468             | 1156                   |         |                                  |
|                     |   | C3                     | 20        | 80           | 31       | 7.6                                     | 0.2 |     |     |      |      |      | F        |                | 7.8              | 243.75             | 2.468             | 602                    |         |                                  |
|                     |  | CP1                    | 36        | AS SHOWN     | 46       | 29                                      | 0.5 |     |     |      |      |      | A        | COPING         | 30               | 1380.00            | 7.9963            | 11035                  | 221     |                                  |
|                     |   | CP2                    | 36        | AS SHOWN     | 34       | 29                                      | 0.5 |     |     |      |      |      | A        |                | 30               | 1020.00            | 7.9963            | 8157                   |         |                                  |
|                     |  | CP3                    | 25        | AS SHOWN     | 14       | 29                                      | 0.2 |     |     |      |      |      | A        |                | 29.4             | 411.60             | 3.8563            | 1588                   |         |                                  |
|                     |   | CP4                    | 36        | AS SHOWN     | 8        | 29                                      | 0.5 |     |     |      |      |      | A        |                | 30               | 240.00             | 7.9963            | 1920                   |         |                                  |
|                     |  | CP5                    | 25        | 300          | 16       | 29                                      | 0.2 |     |     |      |      |      | A        |                | 29.4             | 470.40             | 3.8563            | 1814                   |         |                                  |
|                     |   | CP6                    | 16        | 300          | 97       | 2.9                                     | 2.5 | 2.9 | 2.5 | 0.15 | 0.15 |      | B        |                | 11.1             | 1076.70            | 1.5795            | 1701                   |         |                                  |
|                     |  | CP6'                   | 16        | 300          | 97       | 0.7                                     | 4.4 | 0.7 | 4.4 | 0.15 | 0.15 |      | B        |                | 10.5             | 1018.50            | 1.5795            | 1609                   |         |                                  |
| CP6"                |   | 16                     | 300       | 194          | 0.2      | 2.5                                     | 0.2 |     |     |      |      | A    | 2.9      |                | 562.60           | 1.5795             | 889               |                        |         |                                  |
| GRAND TOTAL         |   |                        |           |              |          |   |     |     |     |      |      |      |          |                | Grade 60 bar     | 44601 Kgs          | 290 cu.m          |                        |         |                                  |

|   |  |                                    |  |  |  |  |  |                              |  |           |  |      |  |  |  |               |  |                |  |
|---|--|------------------------------------|--|--|--|--|--|------------------------------|--|-----------|--|------|--|--|--|---------------|--|----------------|--|
| CONSULTANTS   |  | SUBMITTED BY                       |  | DESIGNED BY  |  | CHECKED BY                             |  | APPROVED BY                  |  | REVISIONS |  | DATE |  | PROJECT TITLE  |  | SCALE         |  | DRAWING STATUS |  |
| Urban Integrated Consultants, Inc.                                    |  | EFREN L. DAVID<br>PRESIDENT - UICI |  | ALBERTO C. CANETE, P.P., F. ASEP<br>PROJECT MANAGER - UICI |  | RYAN PAUL S. GALURA<br>PROJECT MANAGER |  | JOVITO M. SUNGA<br>OIC - PMD |  | A         |  |      |  | DETAILED ENGINEERING DESIGN OF THE<br>PROPOSED AIRPORT-NCC ACCESS ROAD, MACARTHUR-NCC ACCESS ROAD,<br>MACARTHUR-SCITEX ACCESS ROAD & OLYMPIC VILLAGE ACCESS ROAD |  | AS SHOWN      |  | DRAFT DRAWING  |  |
| UIC CORPORATE BLDG., 8 LANDS STREET, VASRA, DELMAN, QUEZON CITY, 1128 |  |                                    |  |  |  |  |  |                              |  | C         |  |      |  | PIER 8 COLUMN PLAN AND ELEVATION<br>COLUMN SECTION   |  | PROJECT CODE  |  | DRAWING NO.    |  |
|   |  |                                    |  |  |  |  |  |                              |  | D         |  |      |  | PIER 8 COLUMN PLAN AND ELEVATION<br>COLUMN SECTION   |  | SHEET CONTENT |  | P2SB-53        |  |
|   |  |                                    |  |  |  |  |  |                              |  | E         |  |      |  | SCHEDULE OF REINFORCEMENTS AND SUMMARY OF QUANTITIES   |  | DATE APPROVED |  | REV.           |  |
|   |  |                                    |  |  |  |  |  |                              |  | F         |  |      |  |  |  |               |  |                |  |