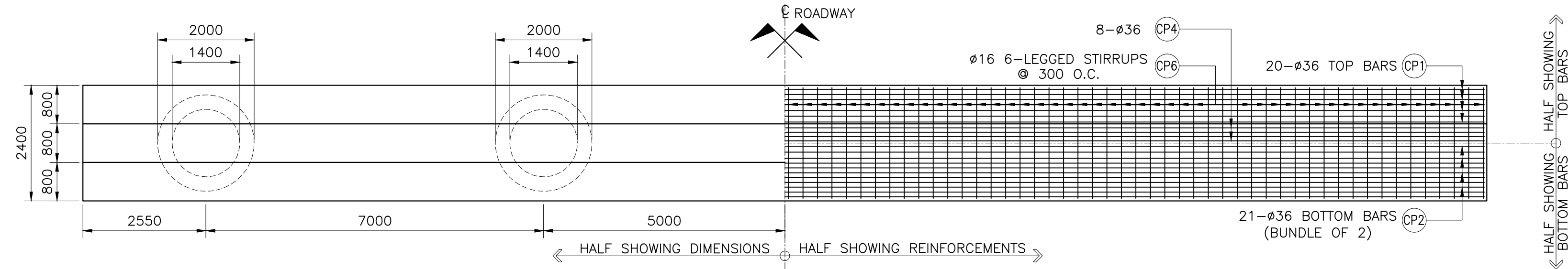
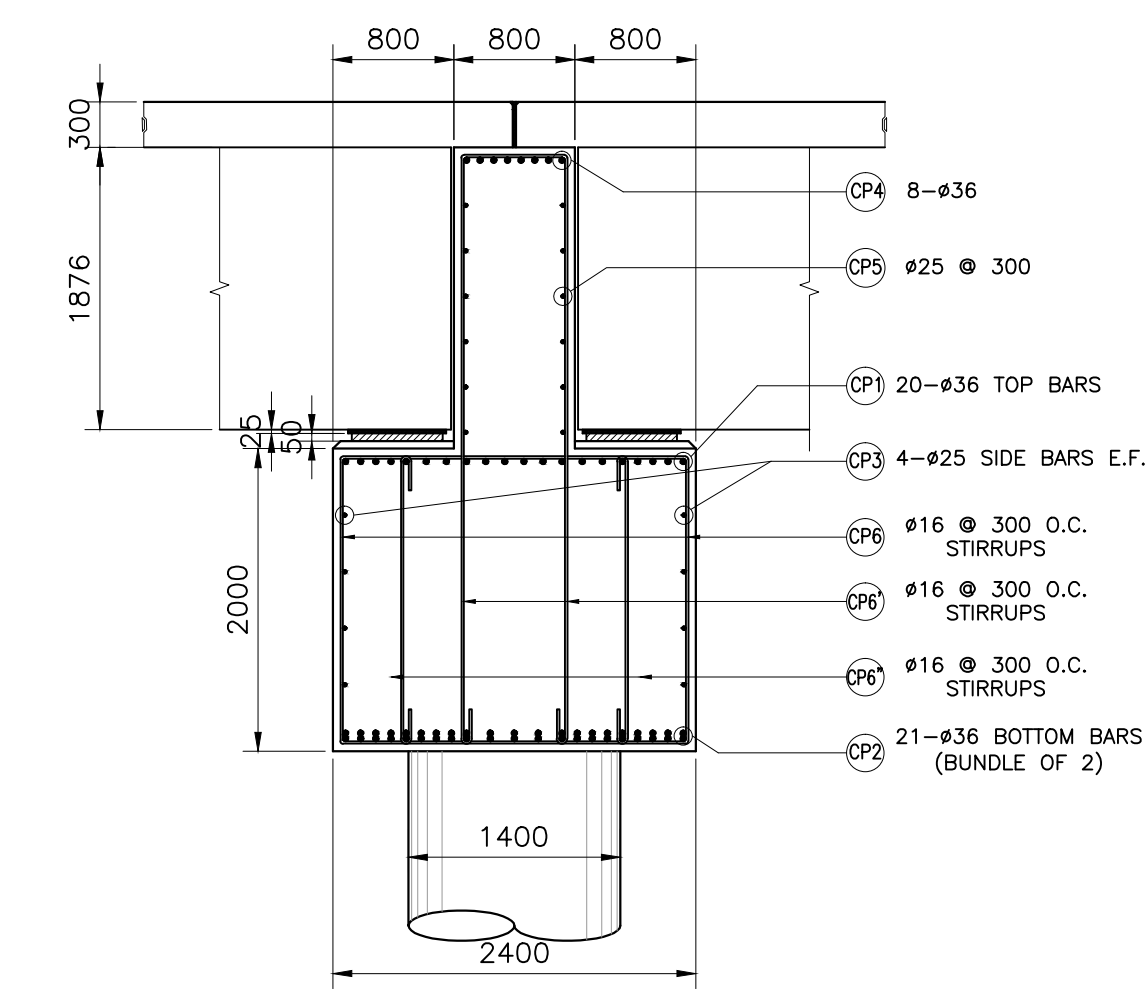


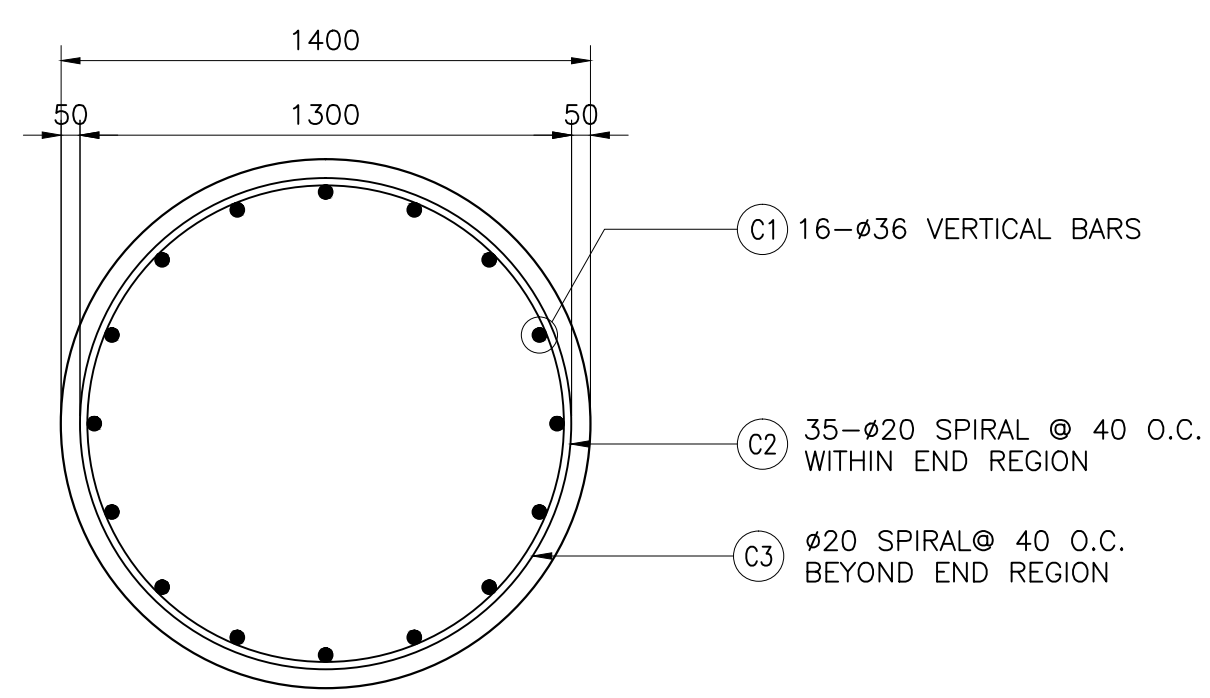
1 PIER 15 SECTION
SCALE 1:75



2 PIER 15 PLAN
SCALE 1:75



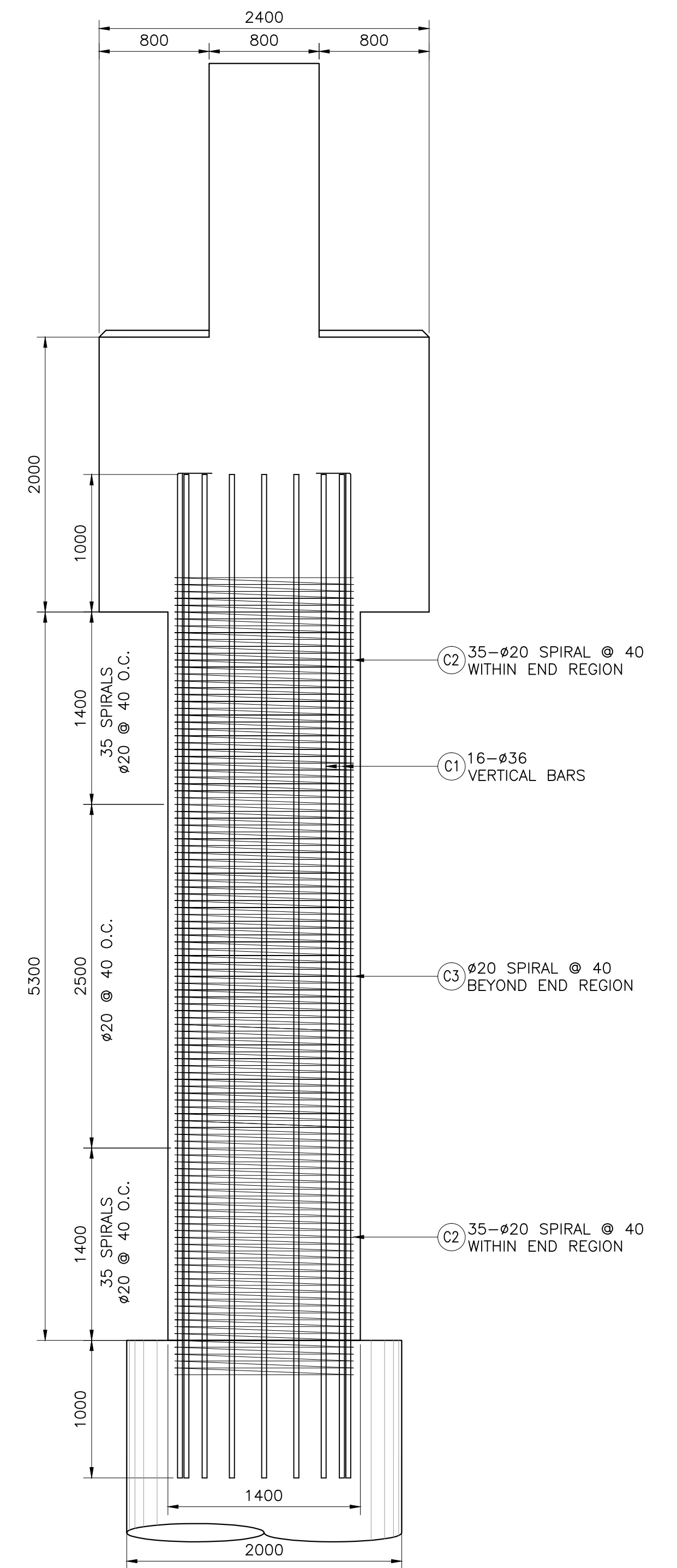
4 PIER 15 COPING SECTION
SCALE 1:50



5 PIER 15 COLUMN SECTION
SCALE 1:20

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 CONSULTANT'S 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



3 PIER 15 TYPICAL SECTION
SCALE 1:30

SCHEDULE OF REINFORCEMENTS FOR PIER 15 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								
	C1	36	AS SHOWN	16	7.3	0.5					A	COLUMN	8.3	132.80	7.996	1062	9	QUANTITY FOR ONE (1) COLUMN ONLY
	C2	20	40	70	4.4	0.2					F		4.6	322.00	2.468	795		
	C3	20	40	63	4.4	0.2					F		4.6	287.50	2.468	710		
	CP1	36	AS SHOWN	20	29	0.5					A	COPING	30	600.00	7.996	4798	190	
	CP2	36	AS SHOWN	42	29	0.5					A		30	1260.00	7.996	10076		
	CP3	25	AS SHOWN	8	29	0.2					A		29.4	235.20	3.856	907		
	CP4	36	AS SHOWN	8	29	0.5					A		30	240.00	7.996	1920		
	CP5	25	300	12	29	0.2					A		29.4	352.80	3.856	1361		
	CP6	16	300	97	1.9	2.3	1.9	2.3	0.15	0.15	B		8.7	843.90	1.580	1333		
	CP6*	16	300	97	3.9	0.7	3.9	0.7	0.15	0.15	B		9.5	921.50	1.580	1456		
	CP6**	16	300	194	1.9	0.2	0.2				C		2.3	446.20	1.580	705		
													GRAND TOTAL		Grade 60 bar			