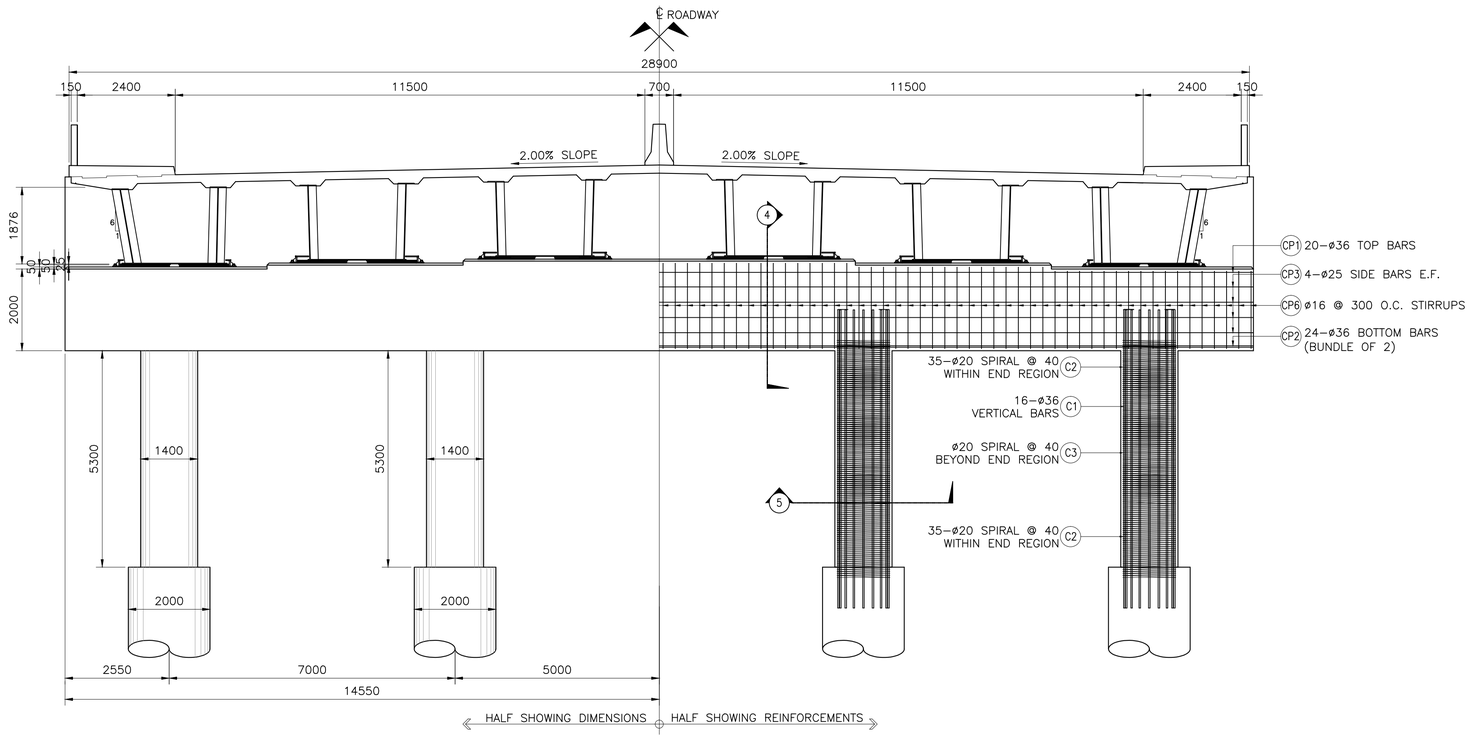
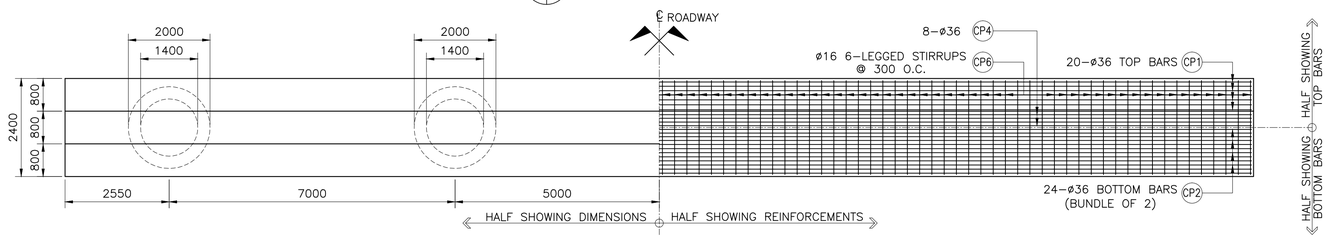
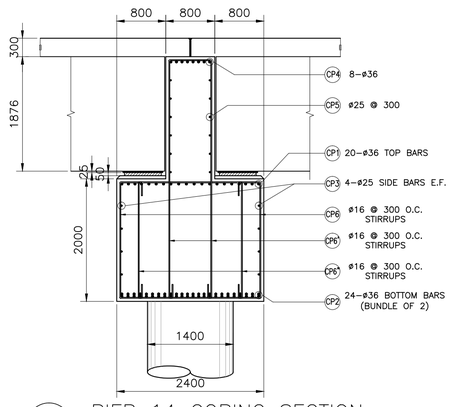


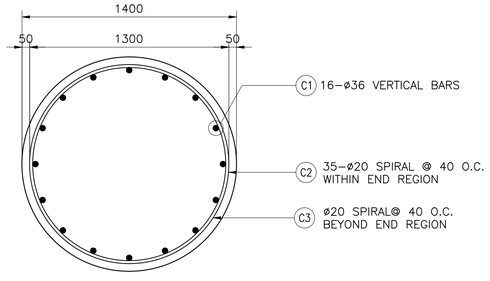
1 PIER 14 SECTION
SCALE 1:75



2 PIER 14 PLAN
SCALE 1:75



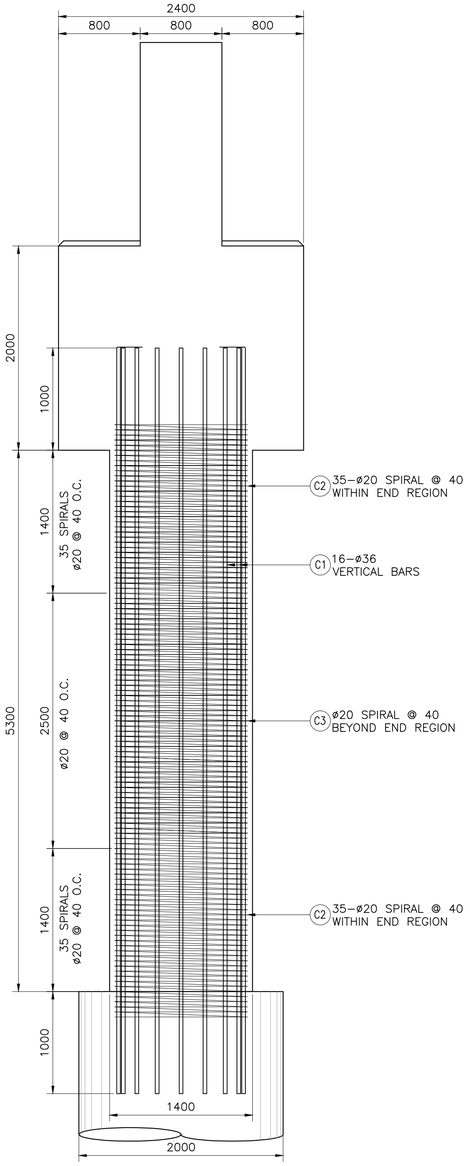
4 PIER 14 COPING SECTION
SCALE 1:50



5 PIER 14 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 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. CAÑETE
TEAM LEADER



3 PIER 14 TYPICAL SECTION
SCALE 1:30

SCHEDULE OF REINFORCEMENTS FOR PIER 14 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								
A	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
B	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		
C	CP1	36	AS SHOWN	20	29	0.5					A	COPING	30	600.00	7.996	4798	190	
	CP2	36	AS SHOWN	48	29	0.5					A		30	1440.00	7.996	11515		
	CP3	25	AS SHOWN	8	29	0.2					A		29.4	235.20	3.856	907		
D	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		
E	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		
F	CP6"	16	300	194	1.9	0.2	0.2				C		2.3	446.20	1.580	705		
R = PI(D-3)/2n												GRAND TOTAL		Grade 60 bar		34263 Kgs	226 cu.m	

CONSULTANTS	SUBMITTED BY	DESIGNED BY		REVISIONS	DATE	PROJECT TITLE	SCALE	DRAWING STATUS
Urban Integrated Consultants, Inc. UIC1 CORPORATE BLDG., 8 LANDS STREET, VASRA, DILIMAN, QUEZON CITY, 1128	EFREN L. DAVID PRESIDENT - UICI DATE: -	ALBERTO C. CAÑETE, P.P., F.ASEP PROJECT MANAGER - UICI DATE: -	BCDA Bases Conversion and Development Authority CHECKED BY: RYAN PAUL S. GALURA, PROJECT MANAGER APPROVED BY: JOVITO M. SUNGA, OIC - PMD DATE: -	A B C D E F		DETAILED ENGINEERING DESIGN OF THE PROPOSED AIRPORT-NCC ACCESS ROAD, MACARTHUR-NCC ACCESS ROAD, MACARTHUR-SCTEX ACCESS ROAD & OLYMPIC VILLAGE ACCESS ROAD SHEET CONTENT AIRPORT TO NCC (STA.0+000 - STA.1+500) - SACOBIA PIER 14 SECTION AND PLAN COPING AND COLUMN SECTION SCHEDULE OF REINFORCEMENTS AND SUMMARY OF QUANTITIES	AS SHOWN PROJECT CODE DATE APPROVED: -	DRAFT DRAWING DRAWING NO.: P2SB-68 DATE REVISED: -
								SIZE: A1 REV.: -