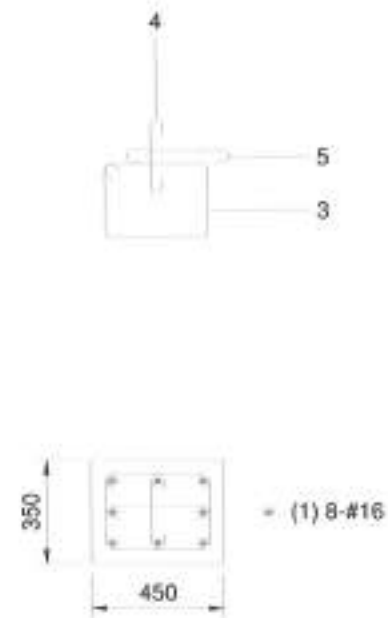
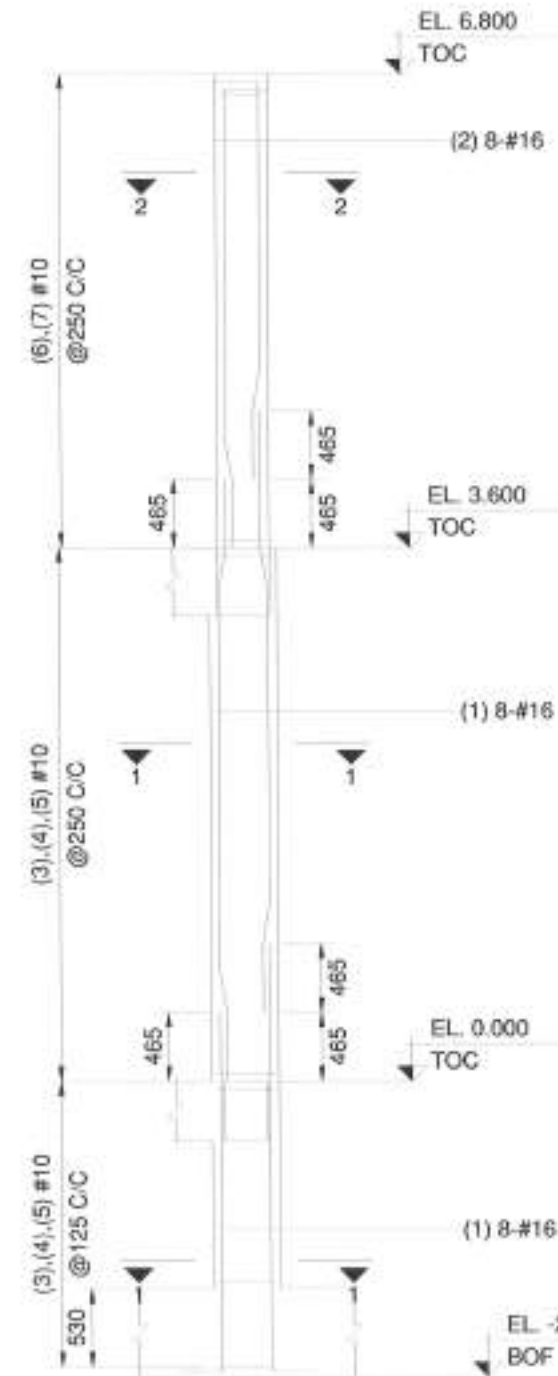




SECTION 1-1 (C28)
(SCALE 1:25)



DETAIL OF COLUMN C28-C34
(SCALE 1:50)



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, ANACAP, PALO LITO

PROJECT TITLE:
CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING-
PALISIPON INSTITUTE OF TECHNOLOGY
LOCATION: BRGY. BIGNAY, PALISIPON, LITAY

SHEET CONTENTS:
STRUCTURAL DETAIL OF COLUMNS

PREPARED:
ENGR. EDGAR JEROME T. SAGCAL
STRUCTURAL ENGINEER
DATE:

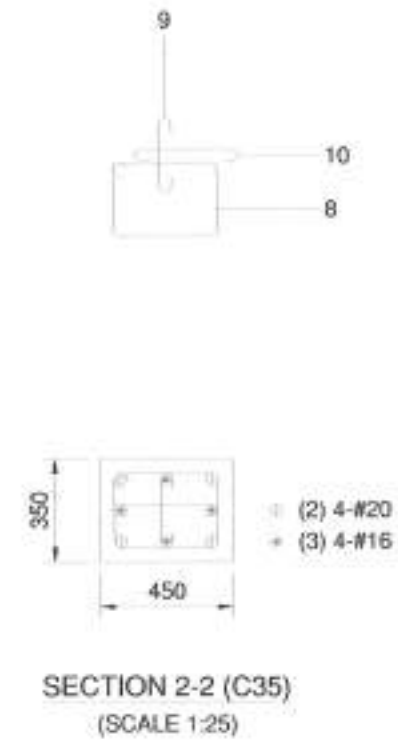
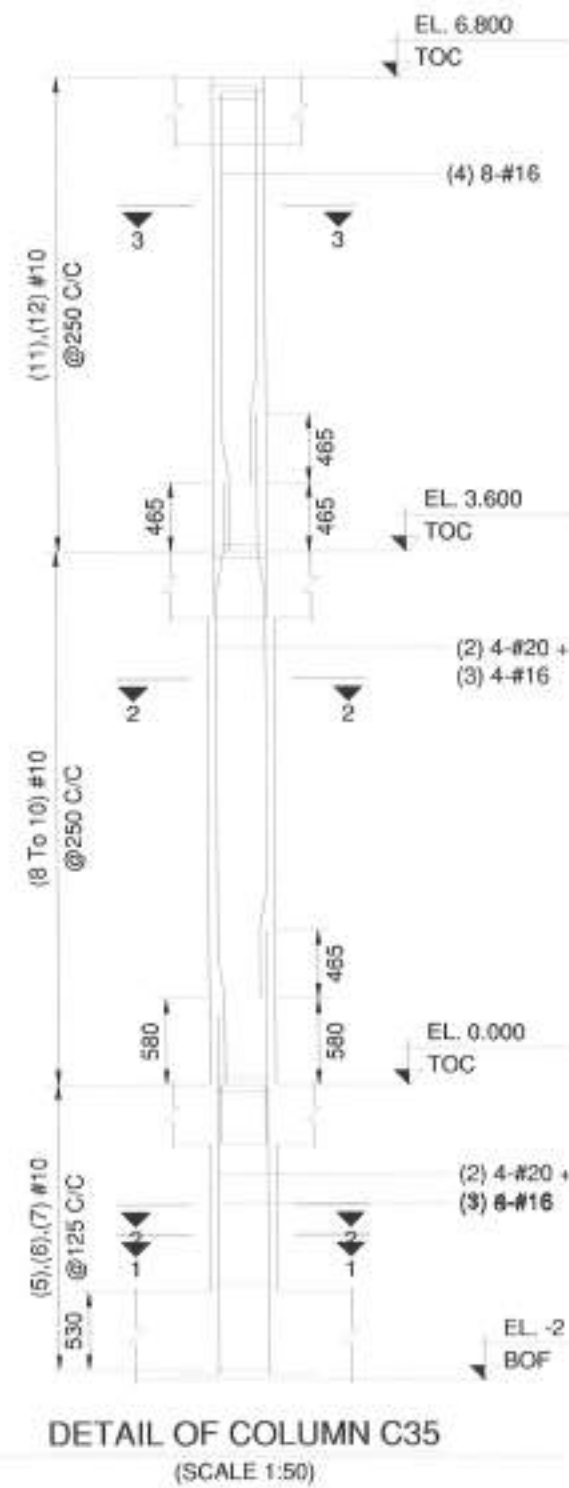
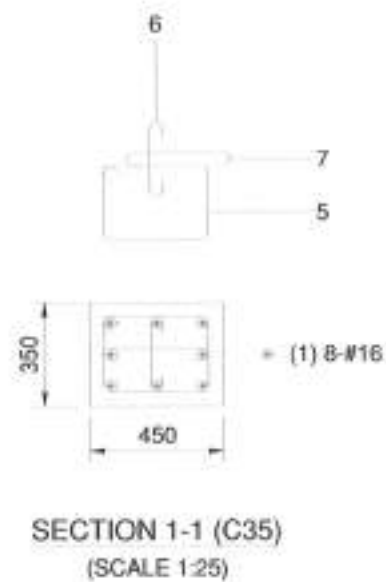
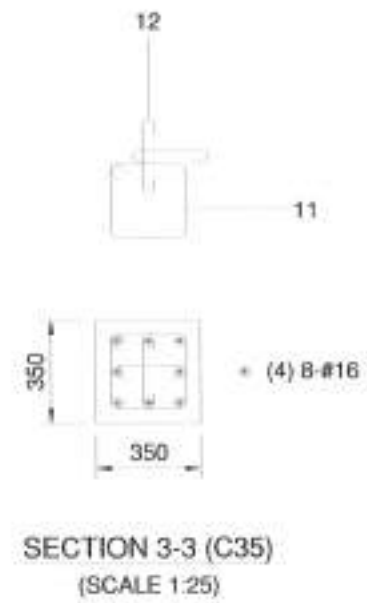
SUBMITTED:
EUCAS N. SAGCAL
CIVIL ENGINEER
DATE:

RECOMMENDED:
MA. MARGARETA C. JUNA, M.
CONSULTANT
DATE:

APPROVED:
EDGAR B. TABACON, CESO IV
REGIONAL DIRECTOR
DATE:

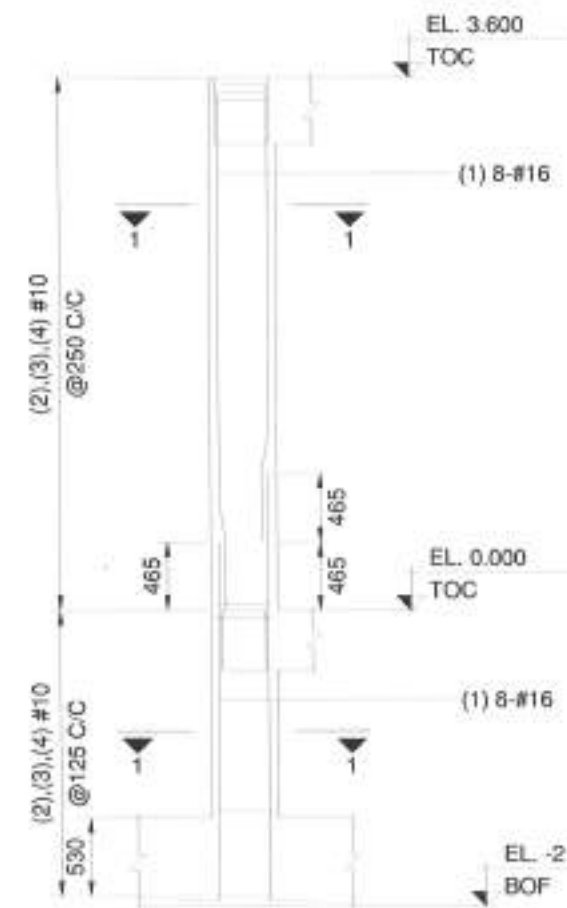
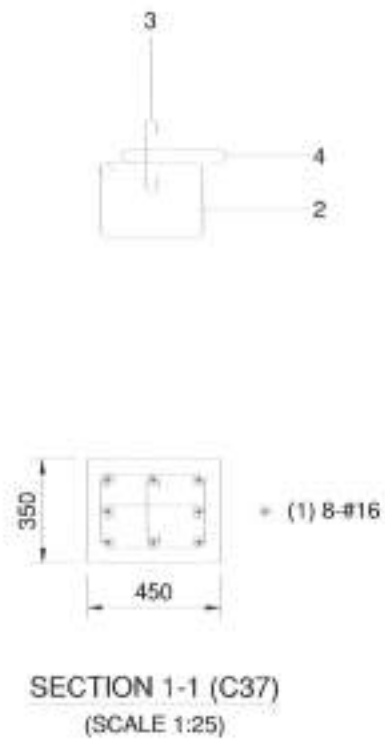
CONCURRED:
DENNIS A. DELA LLANA, Ed.D.
UNIVERSITY REPRESENTATIVE
DATE:

SET NO. SHEET NO.
8 35
6 56 101



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, SARANG, PALO CAYTE

PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED:	APPROVED:	CONFERRED:	SET NO.	SHEET NO.
CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING- PALERON INSTITUTE OF TECHNOLOGY	STRUCTURAL DETAIL OF COLUMNS	ENGR. EDGAR J. JAVIER, T. BACLANAN STRUCTURAL ENGINEER	EDGAR J. JAVIER, T. BACLANAN DATE	MA. MARGARITA C. JUNA, D.M. ASSISTANT REGIONAL ENGINEER	EDGAR J. JAVIER, T. BACLANAN DATE	DENNIS A. DELA CRUZ, C.E.D. UNIVERSITY REPRESENTATIVE	8 9/16	36 101



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, DAVAO, PALAU CITY

PROJECT TITLE:
CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING PALUPON INSTITUTE OF TECHNOLOGY
LOCATION:
TRAY, GOROKA, PALUPON, ISTE

SHEET CONTENTS:
STRUCTURAL DETAIL OF COLUMNS

PREPARED:
ENGR. CLUZAR JEROME T. BACLEA-AN STRUCTURAL ENGINEER

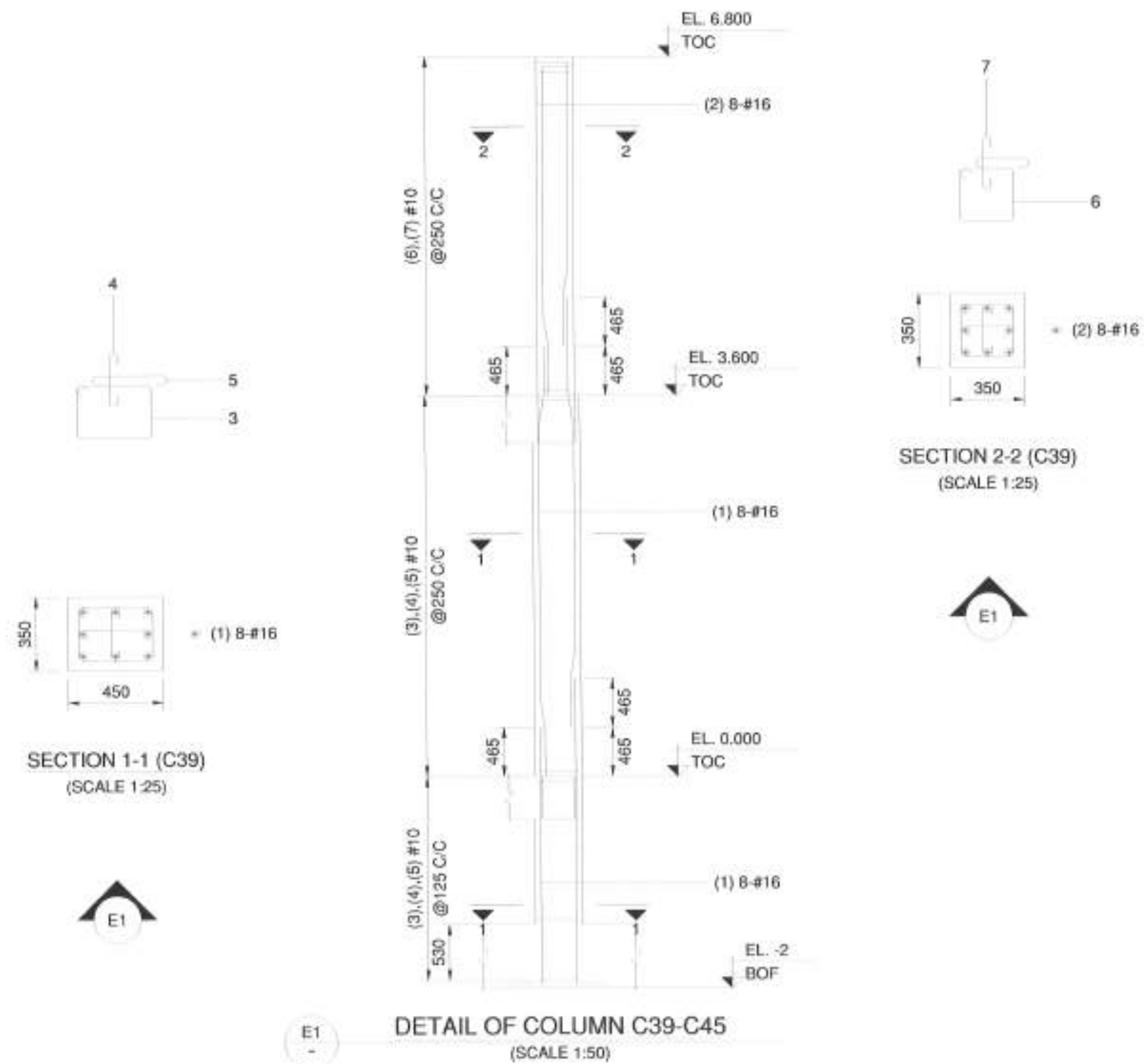
SUBMITTED:
LUCAS N. BACSA CHIEF ASSISTANCE ENGINEER

RECOMMENDED:
MA. MARGARITA C. JARUA, D.H. ASSISTANT REGIONAL DIRECTOR

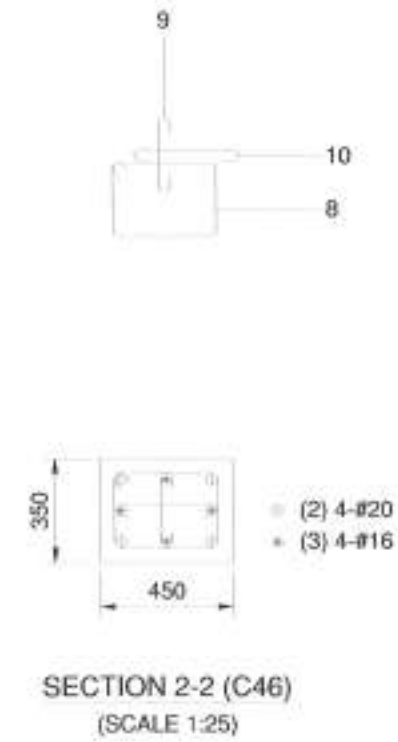
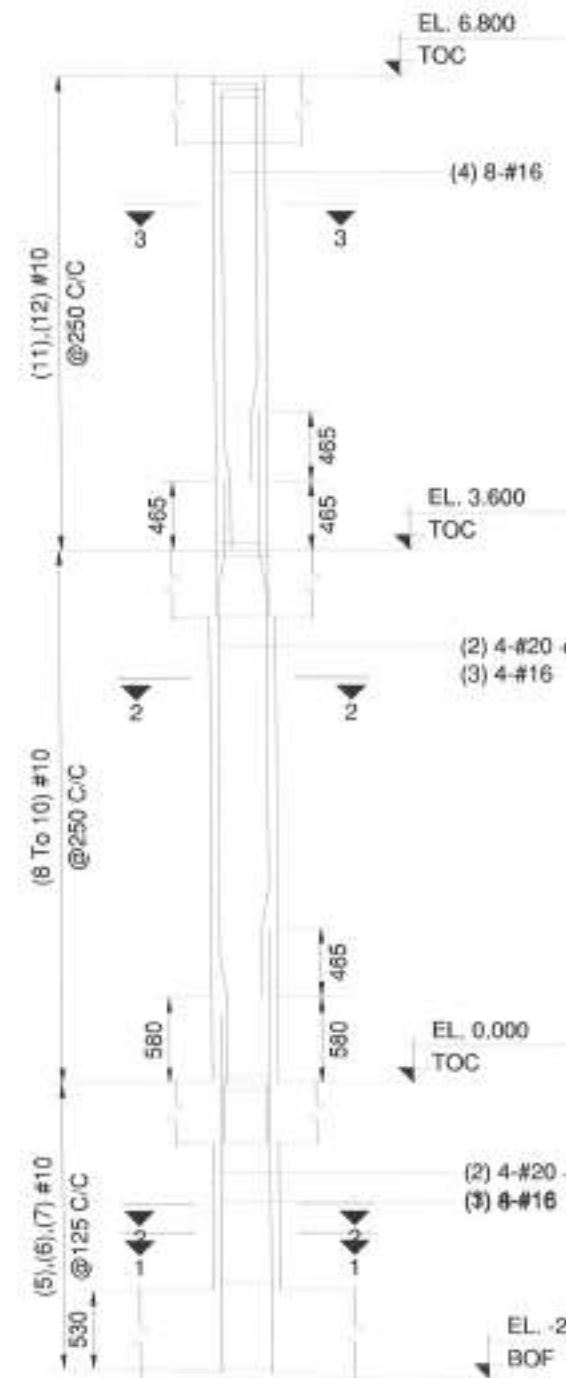
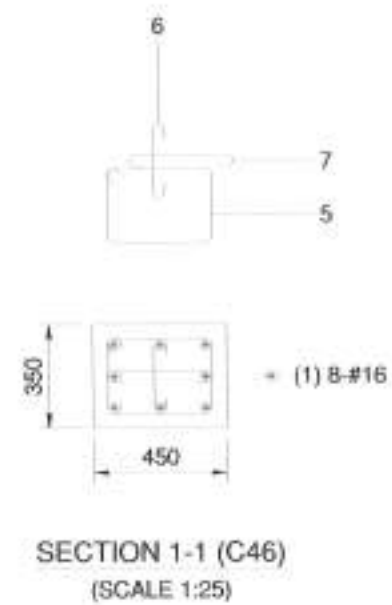
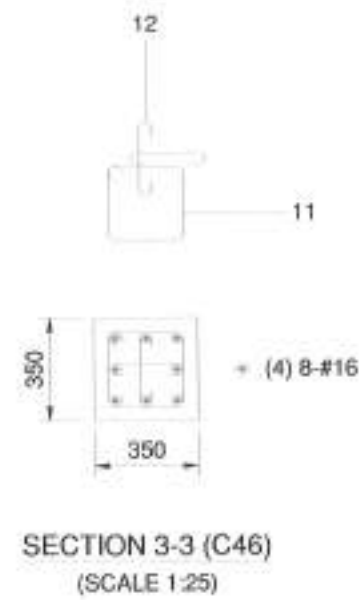
APPROVED:
EDGAR A. TARACON, CESO IV REGIONAL DIRECTOR

CONCURRED:
DENNIS A. CHAPLAIN, Ed.D. REGIONAL PRESIDENT

SET NO.
8
SHEET NO.
38



 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BAYAS, PALO LITTE	PROJECT TITLE: CONSTRUCTION OF INNOVATION INNOVATION CENTER BUILDING PAL OMPON INSTITUTE OF TECHNOLOGY	SHEET CONTENTS: STRUCTURAL DETAIL OF COLUMNS	PREPARED: ENR. ELIZABETH T. BACLEA-AN STRUCTURAL ENGINEER	SUBMITTED: LUCAS M. BACAL CIVIL ENGINEER	RECOMMENDED: MA. MARGARITA C. JUNA, D.M. ASST. REGIONAL ENGINEER	AFFIDAVIT: EDGAR E. TABACON, CESO IV REGIONAL ENGINEER	APPROVED: DENNIS A. B. ALAR, E.A.D. LAWYER	SHEET NO. 8 12/06	SHEET NO. 38 101
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Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, SARAS, PALO LEYTE

PROJECT TITLE:
CONSTRUCTION OF RENOVATION INCUBATION CENTER BUILDING-
PALUPON INSTITUTE OF TECHNOLOGY
LOCATION: PROV. SARAS, PALO LEYTE

SHEET CONTENTS:
STRUCTURAL DETAIL OF COLUMNS

PREPARED:
ENGR. ELZAR JEROME S. BACSAI
DATE: 10/10/2023

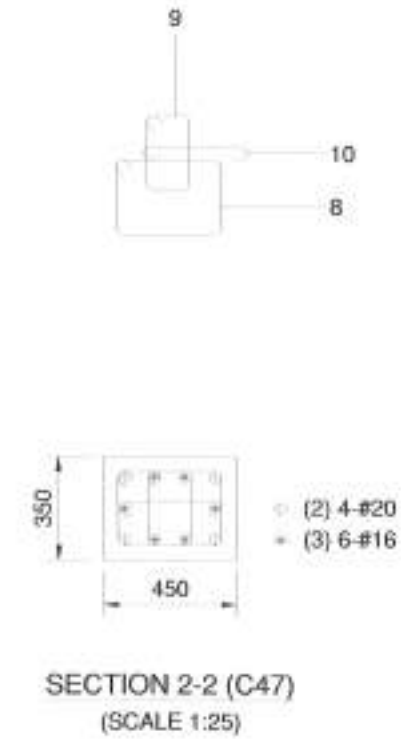
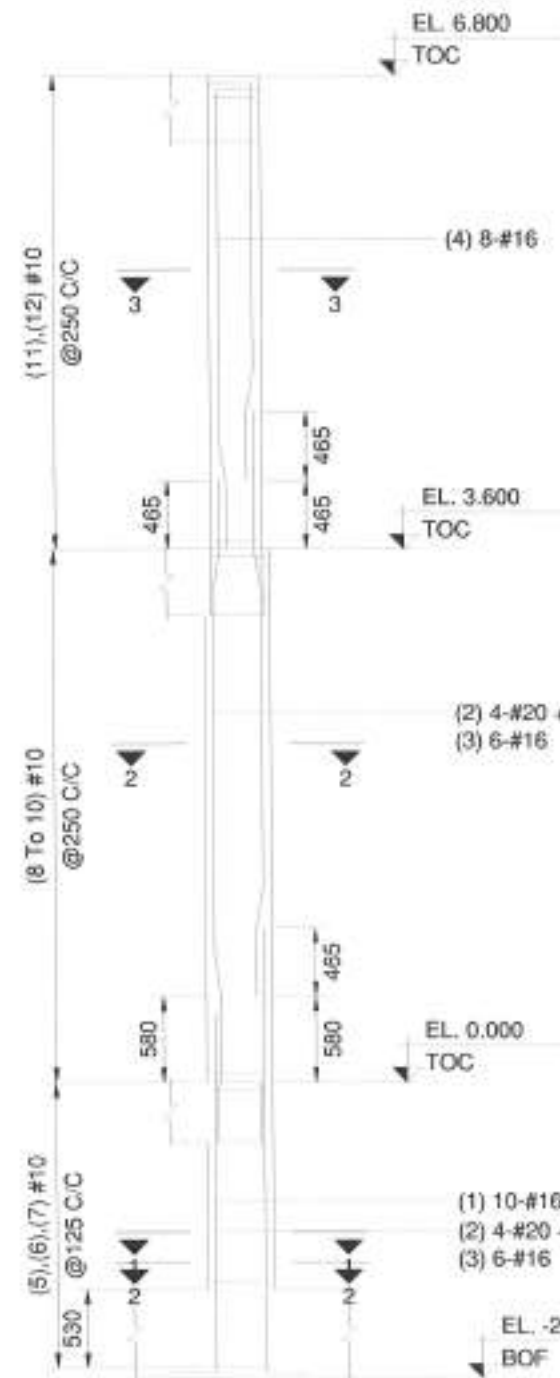
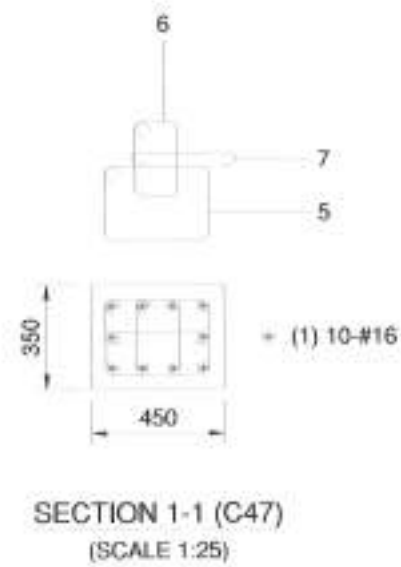
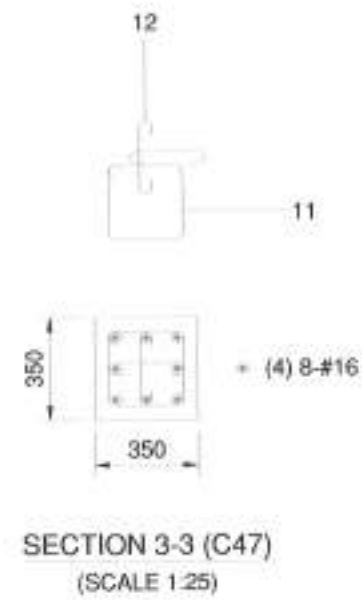
SUBMITTED:
LUCAS H. BACSAI
DATE: 10/10/2023

RECOMMENDED:
MA. MARGARITA C. JUAN, D.M.
DATE: 10/10/2023

APPROVED:
EDGAR S. TABACON, CESO IV
DATE: 10/10/2023

CONCURRED:
DENNIS A. PILLAR, C.E.D.
DATE: 10/10/2023

SET NO. 8
SHEET NO. 42



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, SARAS, PALO LUYTE

PROJECT TITLE:
CONSTRUCTION OF INNOVATION INNOVATION CENTER BUILDING
PAL OROPIN INSTITUTE OF TECHNOLOGY
LOCATION: BRGY. SIBOY, SIBOY, PAL OROPIN, LUYTE

SHEET CONTENTS:
STRUCTURAL DETAIL OF COLUMNS

PREPARED:
ENGR. ELZAR J. BACALAN
STRUCTURAL ENGINEER

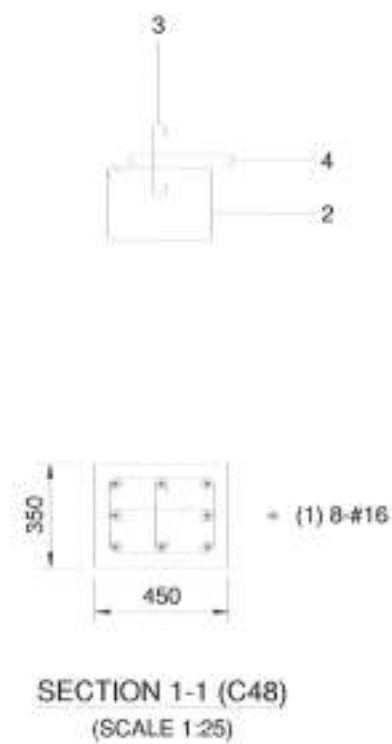
SUBMITTED:
LUCAS N. BACALAN
13 SEP. 2019
DATE

RECOMMENDED:
MA. MARGARITA C. LUNA, D.
REGIONAL DIRECTOR

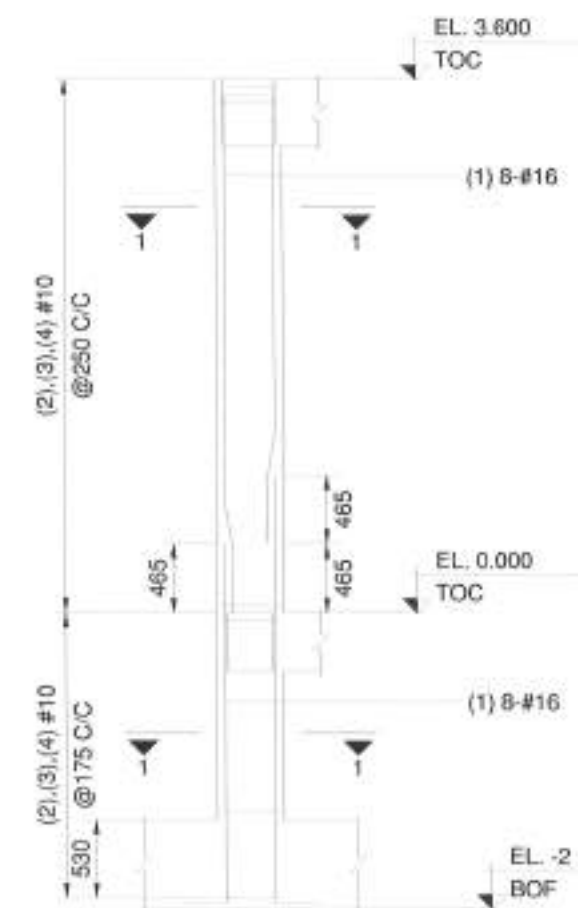
APPROVED:
EDGAR R. TABACON, CESO IV
REGIONAL DIRECTOR

CONFERRED:
DENNIS A. PULAR, E.C.D.
UNIVERSITY PRESIDENT

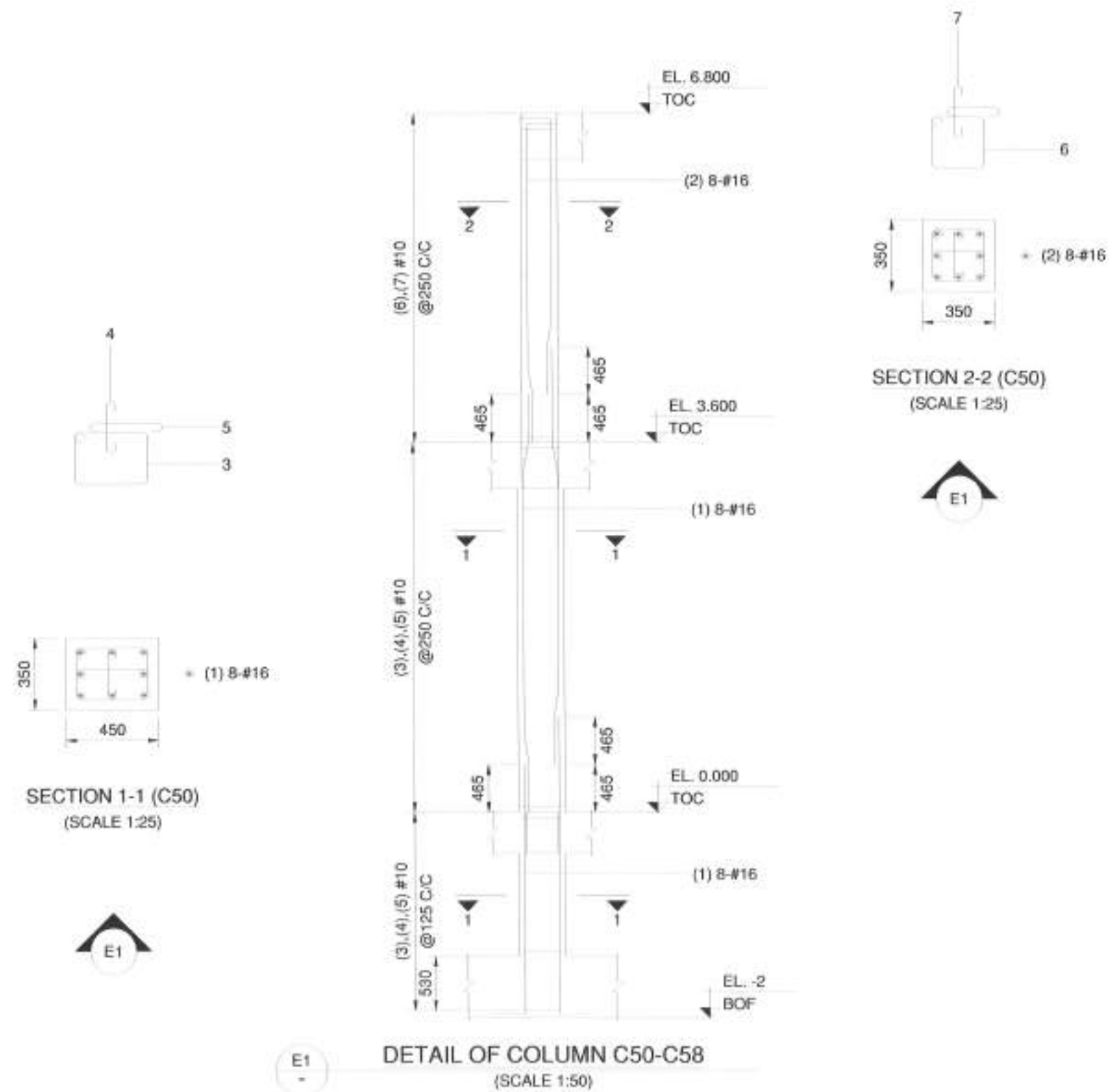
SET NO. 3
14/36
SHEET NO. 41
101



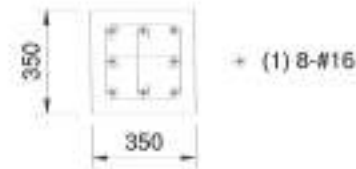
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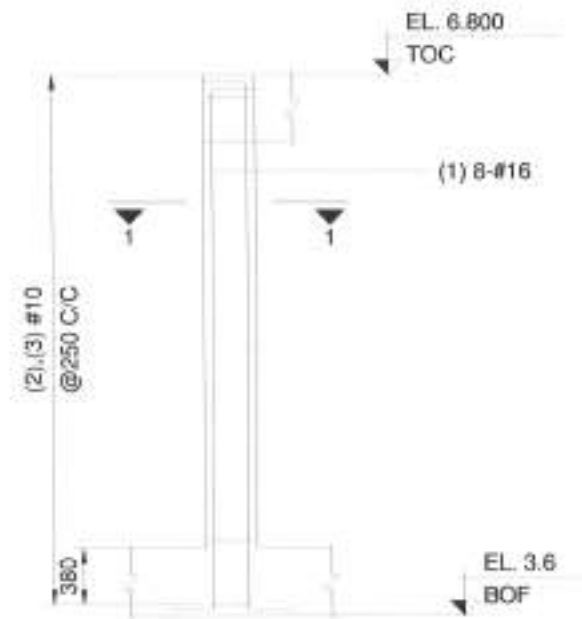
 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, DARAG, PALO LEYTE	PROJECT TITLE: CONSTRUCTION OF RENOVATION INCUBATION CENTER BUILDING PALAMPON INSTITUTE OF TECHNOLOGY	SHEET CONTENTS: STRUCTURAL DETAIL OF COLUMNS	PREPARED: ENGR. ELIZABETH T. BACLEA-AN STRUCTURAL ENGINEER	SUBMITTED: LUCAS N. BACALAL CHIEF ARCHITECT/ENGINEER	RECOMMENDED: RA. MARGARITA C. JUNA, D.M. DISTRICT ENGINEER	APPROVED: EDGAR A. TABACON, CESO IV LOCAL DIRECTOR	CONCURRED: DENNIS A. BACALAN, Ed.D. UNIVERSITY PRESIDENT	SET NO. 5	SHEET NO. 42
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 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, SARAS, PALO LEYTE	PROJECT TITLE: CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING- PALORPON INSTITUTE OF TECHNOLOGY LOCATION: BRGY. DIBAWA, PALORPON, LEYTE	SHEET CONTENTS: STRUCTURAL DETAIL OF COLUMNS	PREPARED: ENGR. EUGEN J. BACALAN STRUCTURAL ENGINEER	SUBMITTED: LUBASIN, BACALAN CHIEF ENGINEER	RECOMMENDED: MA. MARGARET A. C. JUNGA, M.A. ASSISTANT REGIONAL DIRECTOR	APPROVED: EDUARDO S. TABACON, CESO IV REGIONAL DIRECTOR	CONCURRED: GENNIS A. BACALAN, E.A.D. LAWYER	SET NO. 5 SHEET NO. 45
--	---	--	--	--	---	---	---	--------------------------------------



SECTION 1-1 (C59)
(SCALE 1:25)



DETAIL OF COLUMN C59
(SCALE 1:50)



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, ORAS, PALAUETTE

PROJECT TITLE:
CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING-
PALOYAN INSTITUTE OF TECHNOLOGY
LOCATION: BAYAN, GUANZAPON, PALAUETTE

SHEET CONTENTS:
STRUCTURAL DETAIL OF COLUMNS

PREPARED:
ENGR. ELZAR J. BACLAN
STRUCTURAL ENGINEER

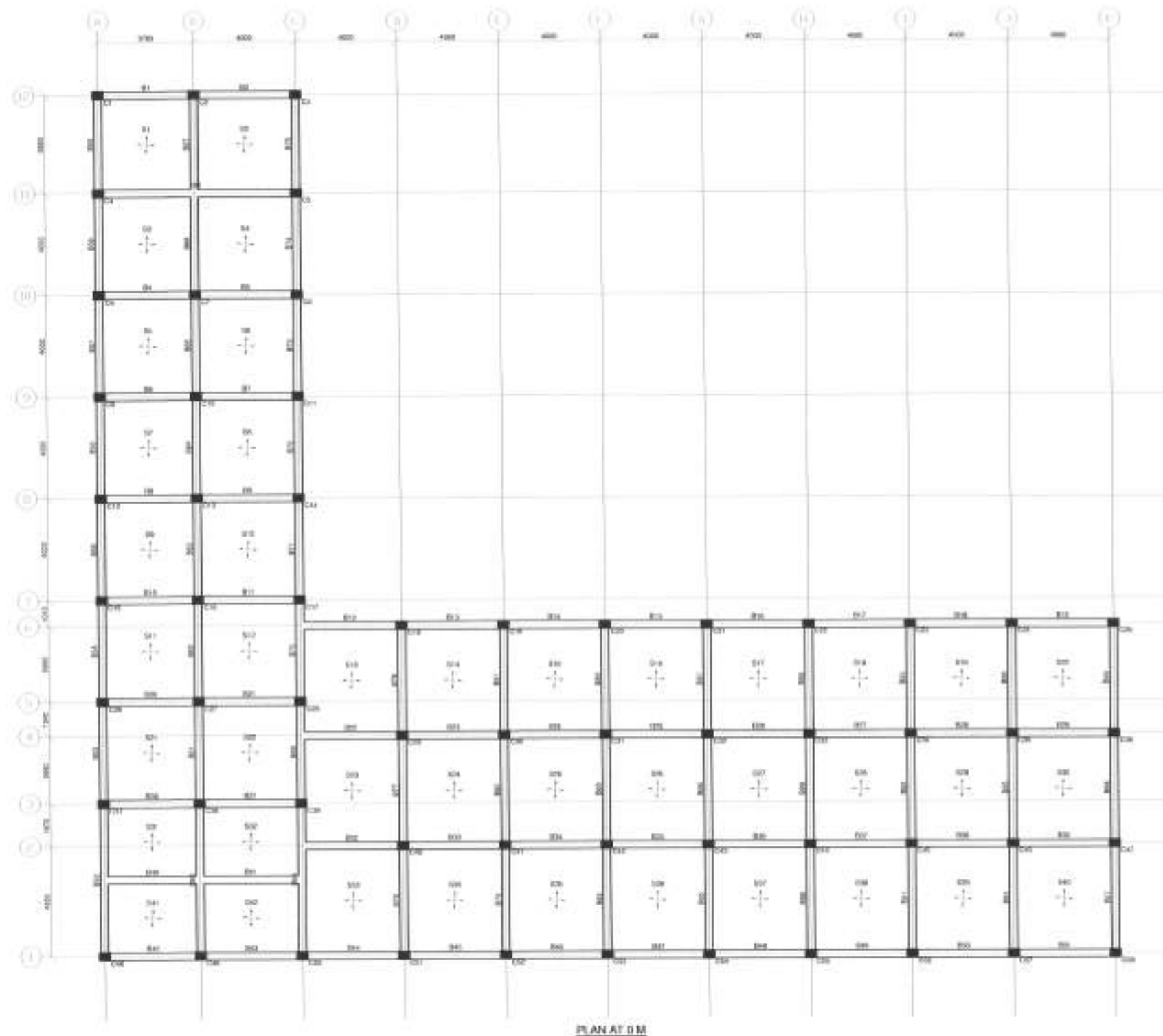
SUBMITTED:
LUCAS N. BACLAN
CITY ENGINEER

RECOMMENDED:
MA. MARGARITA C. JUAN, D.M.
ASSISTANT REGIONAL DIRECTOR

APPROVED:
ENR. B. TABACON, CESO IV
REGIONAL DIRECTOR

CONCURRED:
DENNIS A. BACLAN, C.E.O.
UNIVERSITY OF ORAS

SET NO.	SHEET NO.
8	44
17	101



1 STRUCTURAL PLAN
S-18 SCALE: 1:200 MTS.

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, DARAO, PALOLEYS	PROJECT TITLE: CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING- PALOLEY INSTITUTE OF TECHNOLOGY LOCATION: BRGY. SUBANG & PALOLEY, LETYD.	SHEET CONTENTS: STRUCTURAL PLAN	PREPARED: ENGR. ELIZABETH T. RACSA-AN STRUCTURAL ENGINEER	SUBMITTED: LUCAS N. BACSA CIVIL ENGINEER	RECOMMENDED: MA. MARGARITA C. JUAN, D.M. ASSISTANT REGIONAL ENGINEER	APPROVED: EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	CONCURRED: DENNIS A. S. JAR, E.E.D. UNIVERSITY PRESIDENT	SET NO. 5 SHEET NO. 43
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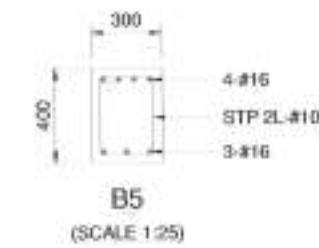
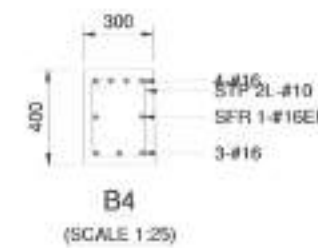
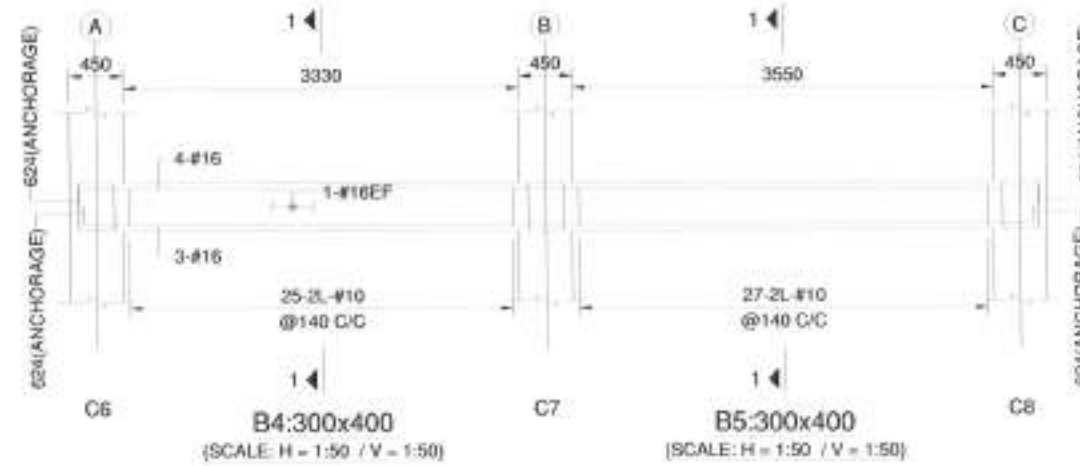
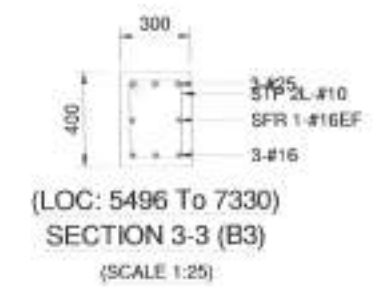
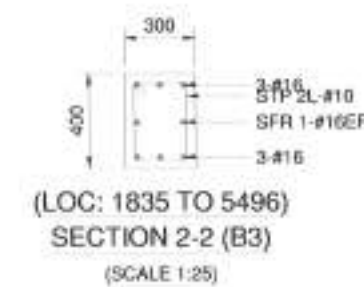
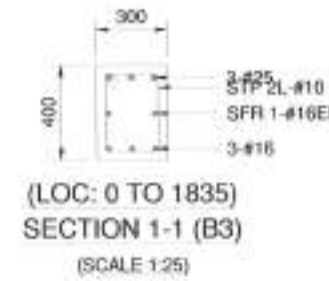
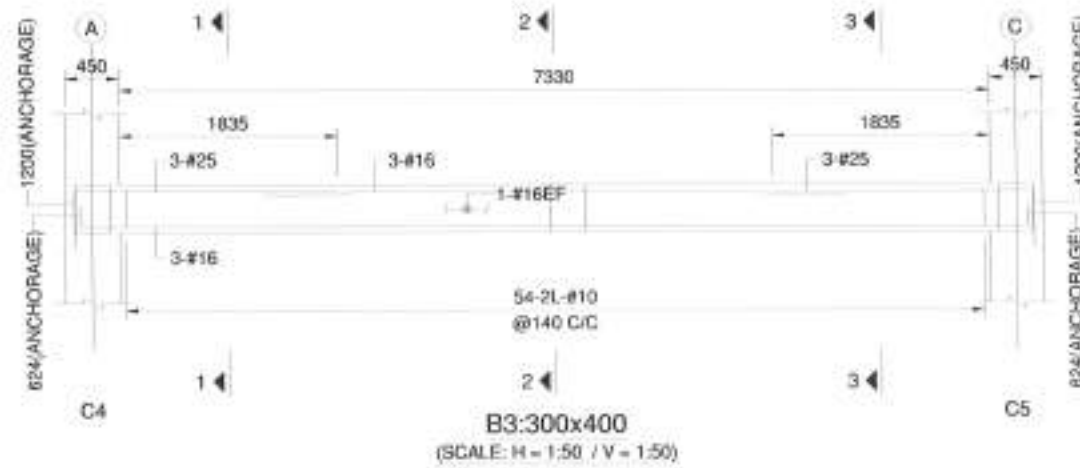
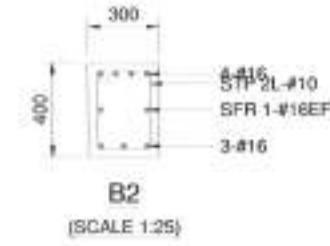
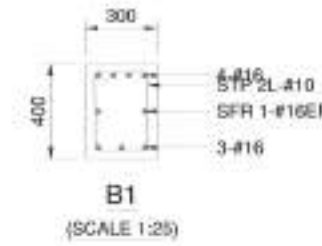
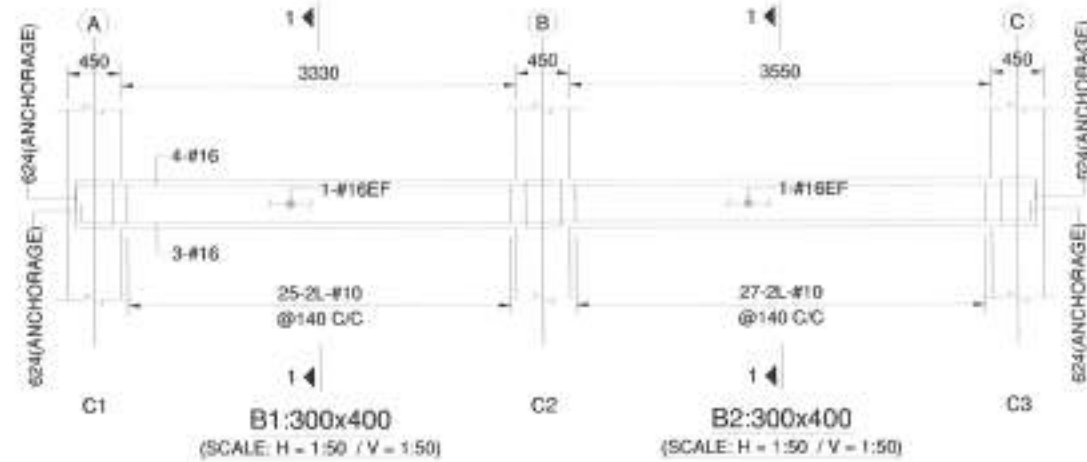
BEAM SCHEDULE (C45 : Fy414) (LEVEL: 0 m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
B1,B4	300	400	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	9-2L-#10@140 C/C	7-2L-#10@140 C/C	9-2L-#10@140 C/C	1-#16EF	-	-
B2,B22	300	400	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	1-#16EF	-	-
B3	300	400	3-#16	3-#16	3-#16	3-#25	3-#16	3-#25	19-2L-#10@140 C/C	17-2L-#10@140 C/C	19-2L-#10@140 C/C	1-#16EF	-	-
B5,B7,B9,B11,B21 B23,B24,B25,B26 B27,B28,B29,B31 B43,B44,B45,B46 B47,B48,B49,B50 B51,B72,B73,B74 B75	300	400	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B6,B8,B10,B20,B30 B42	300	400	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	9-2L-#10@140 C/C	7-2L-#10@140 C/C	9-2L-#10@140 C/C	-	-	-
B12	300	400	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	1-#16EF	-	-
B13,B14,B15,B16 B17,B18,B19,B40 B41,B54,B55,B56 B57,B58,B59	300	400	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B32	300	400	3-#16	3-#16	3-#16	2-#20	2-#20	2-#25	16-2L-#10@85 C/C	14-2L-#10@85 C/C	16-2L-#10@85 C/C	1-#20EF	-	-
B33,B34,B35,B36 B37,B38,B39	300	400	3-#16	3-#16	3-#16	2-#25	2-#20	2-#25	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B52	300	400	4-#16	4-#16	4-#16	3-#25	3-#16	3-#25	15-2L-#10@140 C/C	13-2L-#10@140 C/C	15-2L-#10@140 C/C	1-#16EF	-	-
B53	300	400	3-#16	3-#16	3-#16	3-#25	3-#16	3-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B60	300	400	4-#16	4-#16 + 2-#16	4-#16	3-#25	3-#16	3-#25	15-2L-#10@140 C/C	13-2L-#10@140 C/C	15-2L-#10@140 C/C	1-#16EF	-	-
B61	300	400	3-#16	3-#16	3-#16	3-#25	3-#16	3-#20	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B62,B63	300	400	3-#16	3-#16	3-#16	3-#20	3-#16	3-#20	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B64	300	400	3-#16	3-#16	3-#16	3-#20	3-#16	3-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B65	300	400	3-#16	3-#16	3-#16	3-#16	3-#16	3-#25	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B66	300	400	3-#16	3-#16	3-#16	3-#25	3-#16	3-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	1-#16EF	-	-
B67	300	400	4-#16	4-#16	4-#16	3-#16	3-#16	3-#25	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	1-#16EF	-	-
B68	300	400	4-#16	4-#16 + 2-#16	4-#16	4-#25	4-#16	4-#25	15-2L-#10@140 C/C	13-2L-#10@140 C/C	19-2L-#10@105 C/C	1-#16EF	-	-
B69	300	400	3-#16	3-#16	3-#16	4-#25	4-#16	4-#20	10-2L-#10@140 C/C	8-2L-#10@140 C/C	13-2L-#10@110 C/C	1-#20EF	-	-
B70	300	400	3-#16	3-#16	3-#16	4-#20	4-#16	4-#20	10-2L-#10@140 C/C	8-2L-#10@140 C/C	12-2L-#10@115 C/C	1-#20EF	-	-
B71	300	400	3-#16	3-#16	3-#16	4-#20	4-#16	4-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B76,B77,B78,B85 B86,B87,B88,B89 B90,B91,B92,B93	300	400	3-#16	3-#16	3-#16	3-#20	3-#16	3-#20	11-2L-#10@140 C/C	9-2L-#10@140 C/C	11-2L-#10@140 C/C	-	-	-
B79,B80,B81,B82 B83,B84	300	400	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	11-2L-#10@140 C/C	9-2L-#10@140 C/C	11-2L-#10@140 C/C	-	-	-
B94,B95,B96,B97 B98,B99	300	400	3-#16	3-#16	3-#16	2-#25	2-#20	2-#25	11-2L-#10@140 C/C	9-2L-#10@140 C/C	11-2L-#10@140 C/C	-	-	-

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, SARAS, PALO LEYTE	PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED:	APPROVED:	CONCURRED:	SET NO.	SHEET NO.
	CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING- PALUMON INSTITUTE OF TECHNOLOGY	BEAR SCHEDULE	ENGR. ELIZABETH M. BACSA-AN STRUCTURAL ENGINEER	LUCAS B. BACSA CIVIL ENGINEERING DESIGN	MA. MARGARITA C. JUNA, III ASSISTANT REGIONAL DIRECTOR	EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	DENNIS A. BERNAL, E.D. UNIVERSITY PROFESSOR	8 19/56	46 101
	LOCATION: STREET CORNER 8, PALUMON, LEYTE		DATE:	DATE:	DATE:	DATE:	DATE:		

SLAB SCHEDULE (C21 : FY414) (LEVEL : 0 M)

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT				TOP REINFORCEMENT					REMARKS
		ALONG SHORT SPAN		ALONG LONG SPAN		OVER LONG SUPPORT		OVER SHORT SUPPORT		DISTRIBUTION	
		FULL LENGTH	CURTAILED	FULL LENGTH	CURTAILED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT		
S1, S2, S3, S4 S5, S6, S7, S8 S9, S10, S11 S21, S30, S41 S42	125	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 300 C/C	---
S12, S22, S23 S24, S25, S26 S27, S28, S29 S32	125	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 300 C/C	---
S13, S14, S15 S16, S17, S18 S19, S33, S34 S35, S36, S37 S38, S39	125	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 240 C/C	#10 @ 250 C/C	#10 @ 300 C/C	---
S20, S40	125	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 240 C/C	#10 @ 250 C/C	#10 @ 300 C/C	---
S31	125	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 300 C/C	---



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, NAVAL, PALAU CITY

PROJECT TITLE
CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING
PALOMPON INSTITUTE OF TECHNOLOGY
LOCATION: BAYAN, GUANZAPO, PALOMPON, ILOILO

SHEET CONTENTS:
STRUCTURAL BEAM DETAILS

PREPARED BY
ENGR. ELIZABETH T. BACALAN
STRUCTURAL ENGINEER

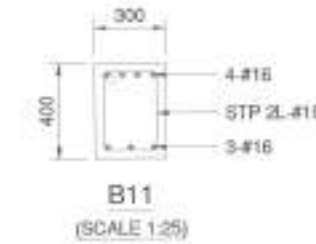
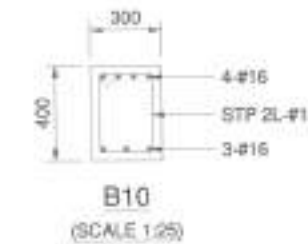
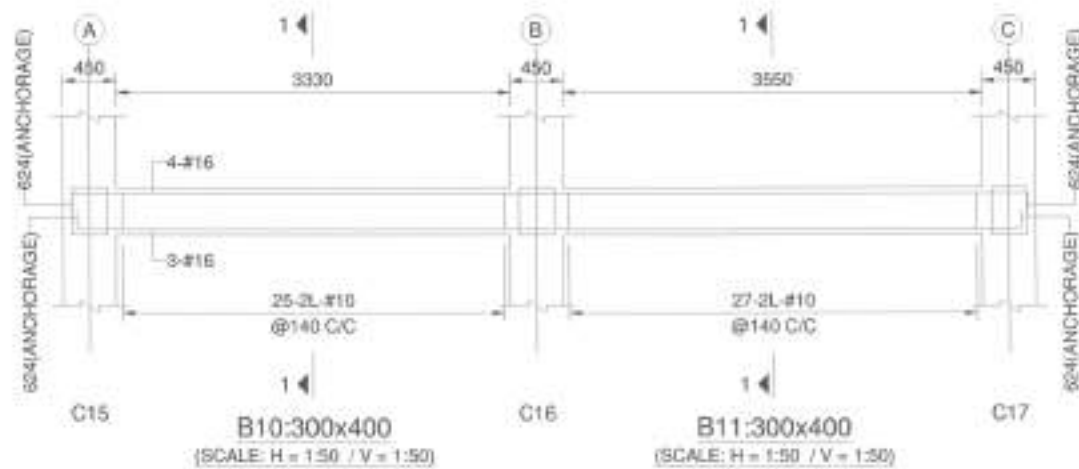
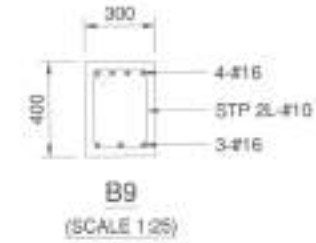
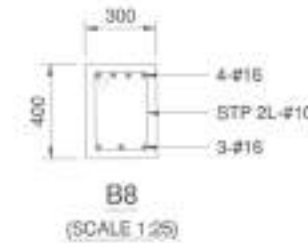
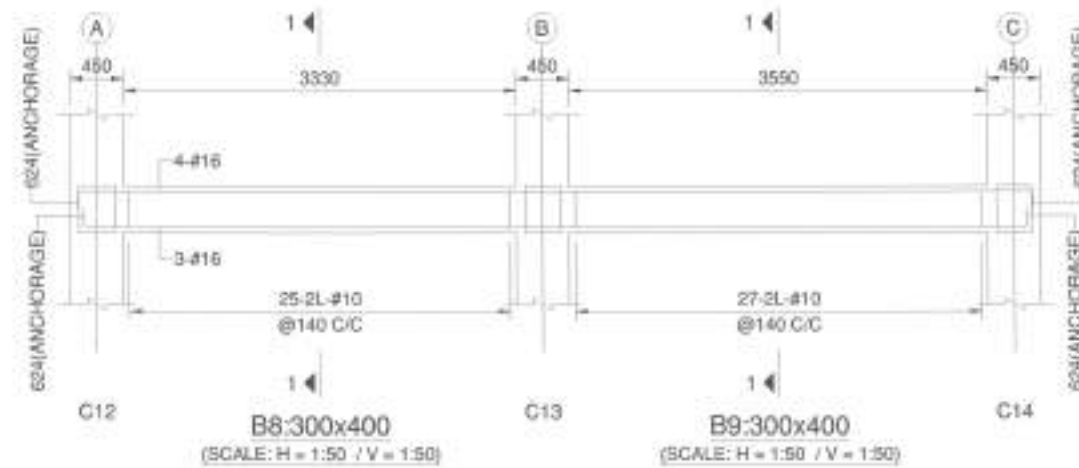
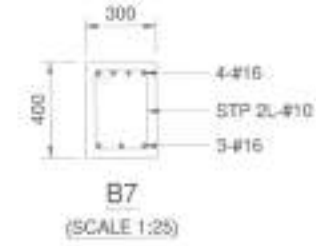
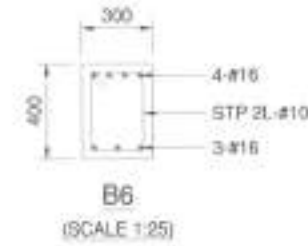
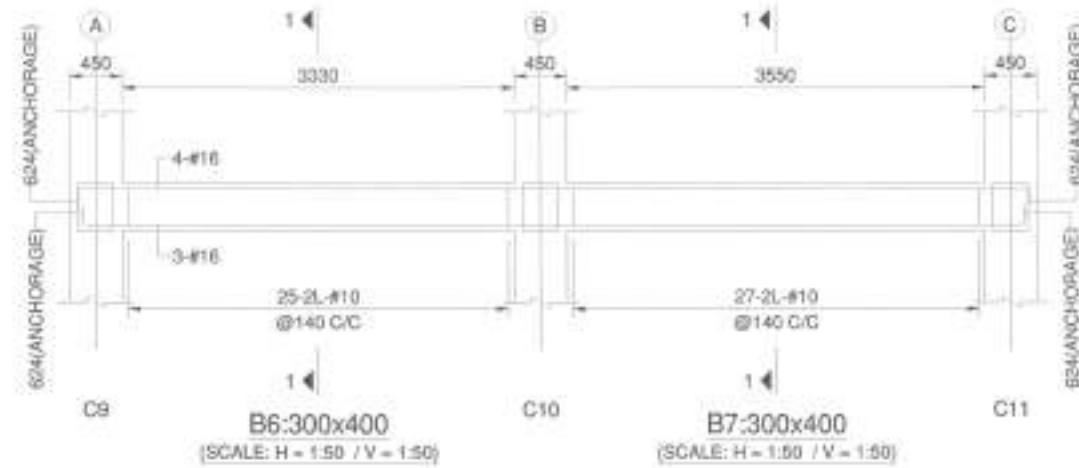
SUBMITTED BY
LUCAS N. BACALAN
CIVIL ENGINEER

RECOMMENDED BY
MA. MARGARITA C. JUNA, D.N.
ASSISTANT REGIONAL DIRECTOR

APPROVED BY
EDGAR E. TABACON, CESO IV
REGIONAL DIRECTOR

CONFIRMED BY
DENNIS A. BAYLOR, Ed.D.
UNIVERSITY PRESIDENT

SHEET NO.
9
21/55
SHEET NO.
42
101



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, BANGAL, PALDI DISTRICT

PROJECT TITLE:
CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING
PALDI DISTRICT INSTITUTE OF TECHNOLOGY
LOCATION: BAYAN, BANGAL, PALDI DISTRICT

SHEET CONTENTS:
STRUCTURAL BEAM DETAILS

PREPARED:
ENGR. ELIZABETH J. BACALAN
DATE: 10/10/2023

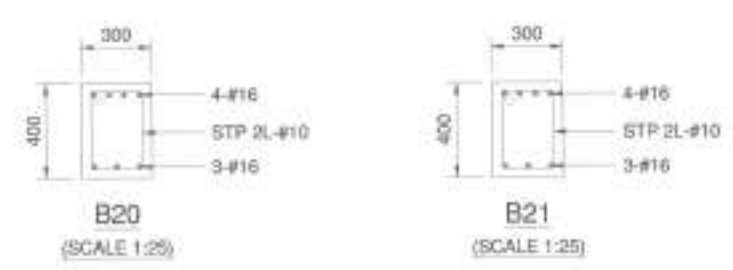
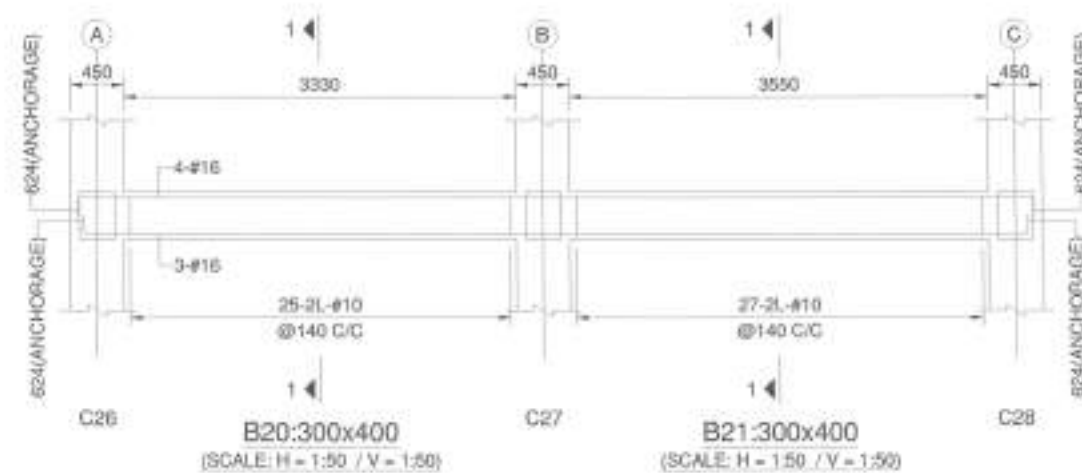
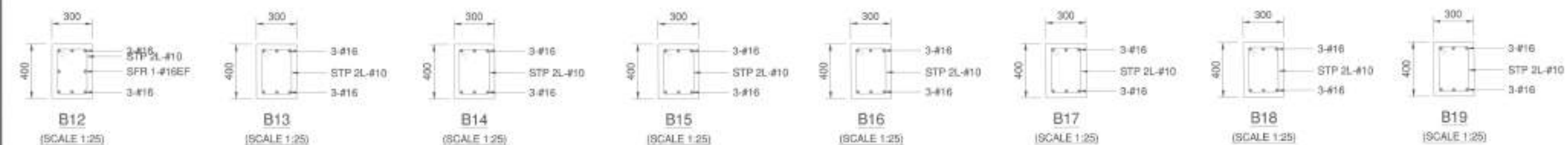
SUBMITTED:
LUCAS N. BACALAN
DATE: 10/10/2023

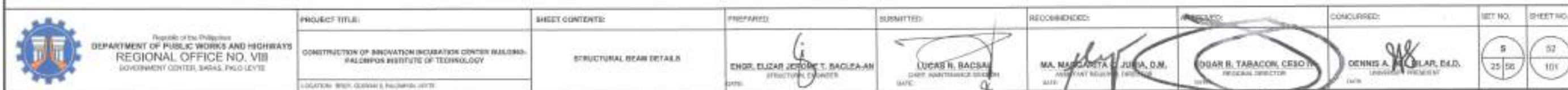
RECOMMENDED:
NA. MARGARITA C. JUNGKUN
DATE: 10/10/2023

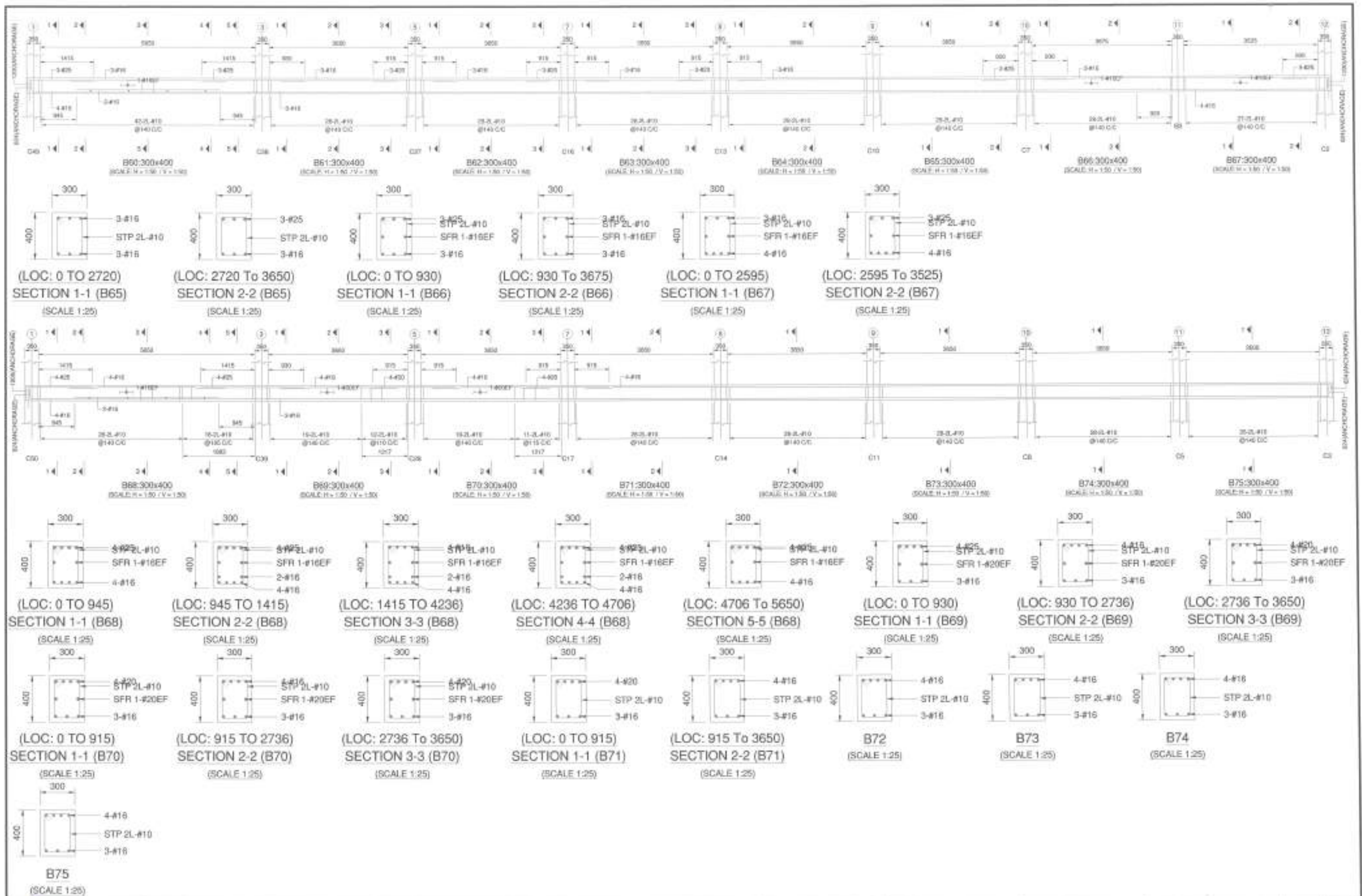
APPROVED:
EDGAR R. TABACON, CESO IV
DATE: 10/10/2023

CONCURRED:
DENNIS A. BACALAN, Engr.
DATE: 10/10/2023

KEY NO.	SHEET NO.
5	40
22	101

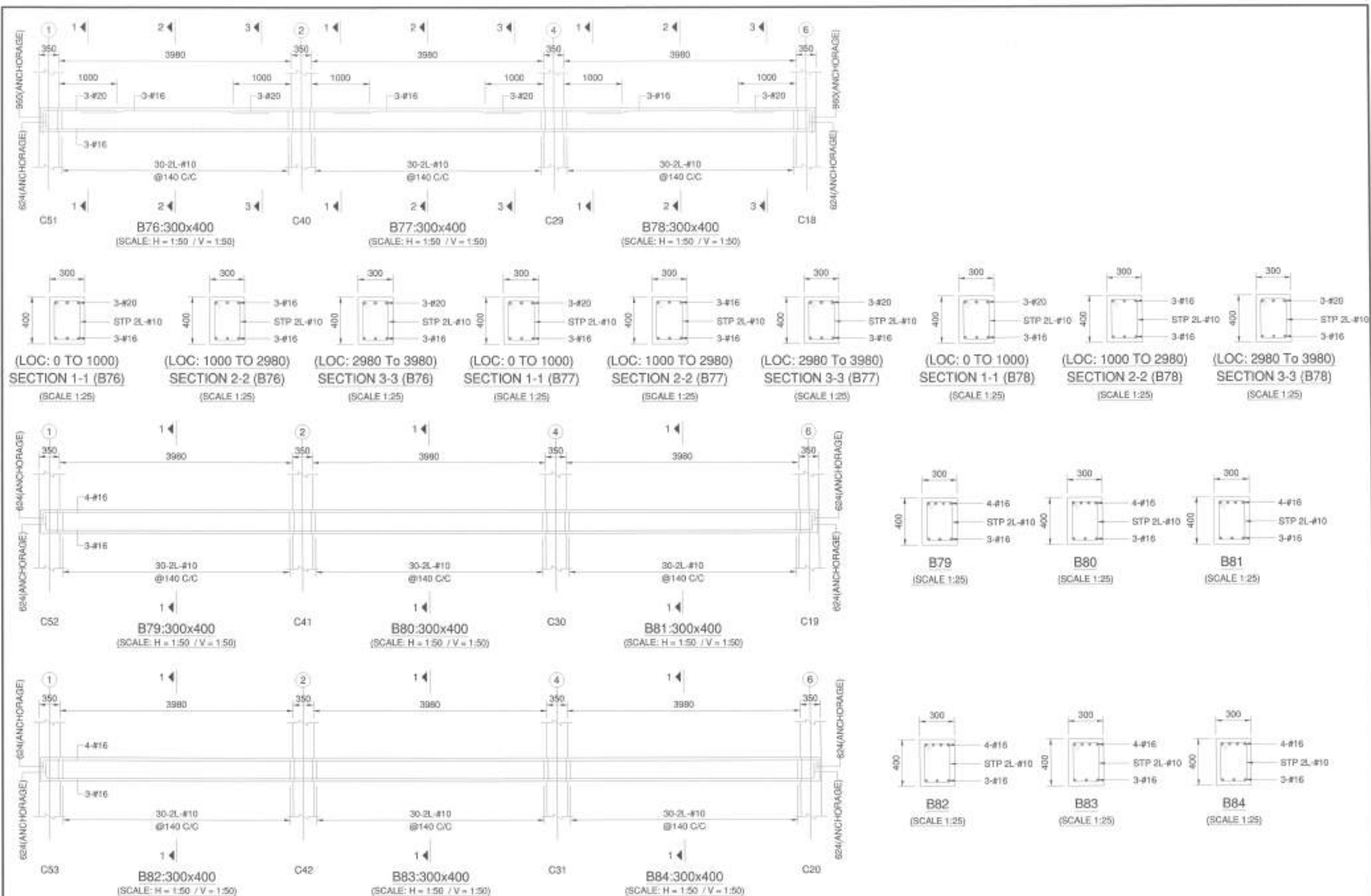




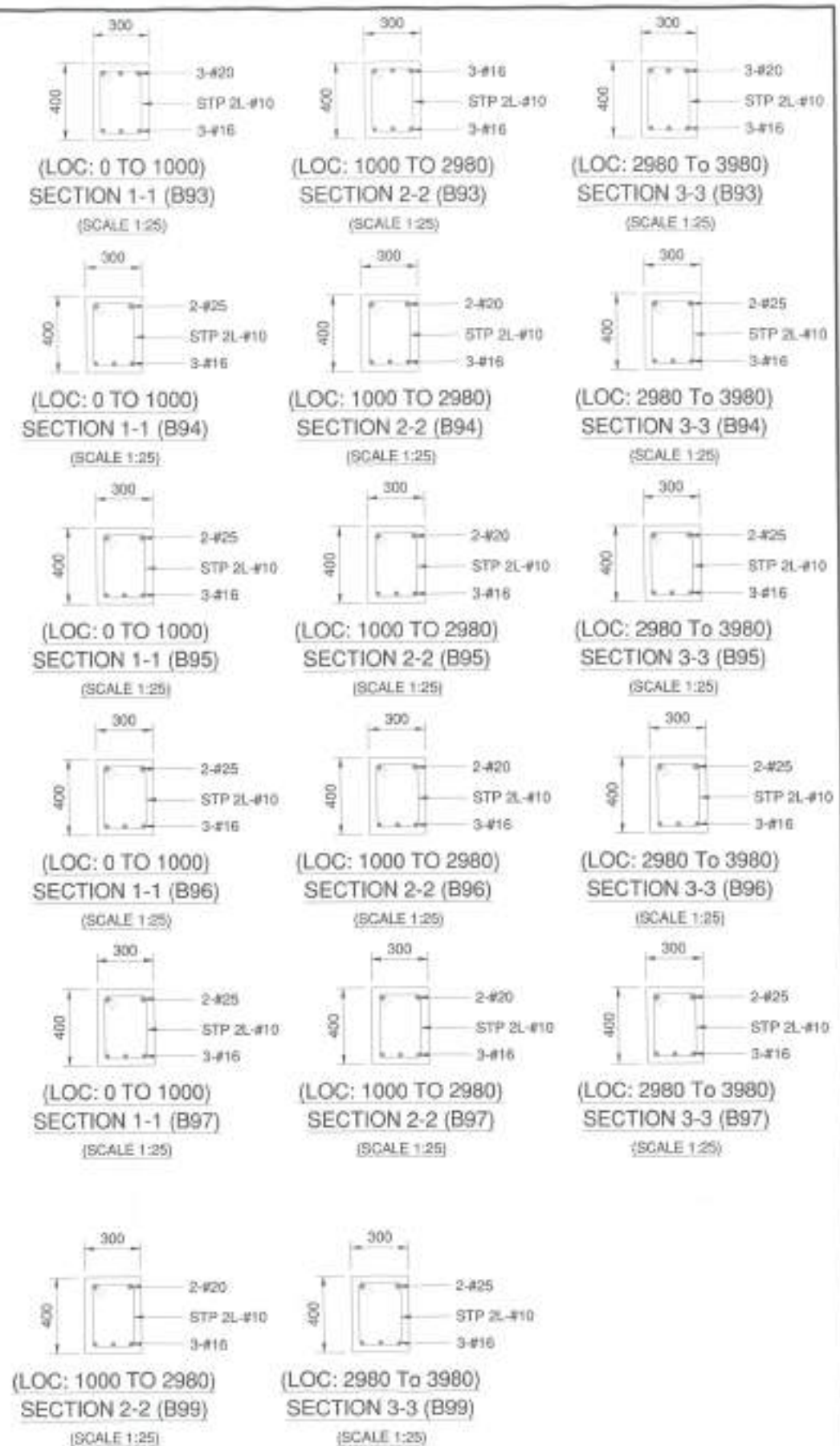
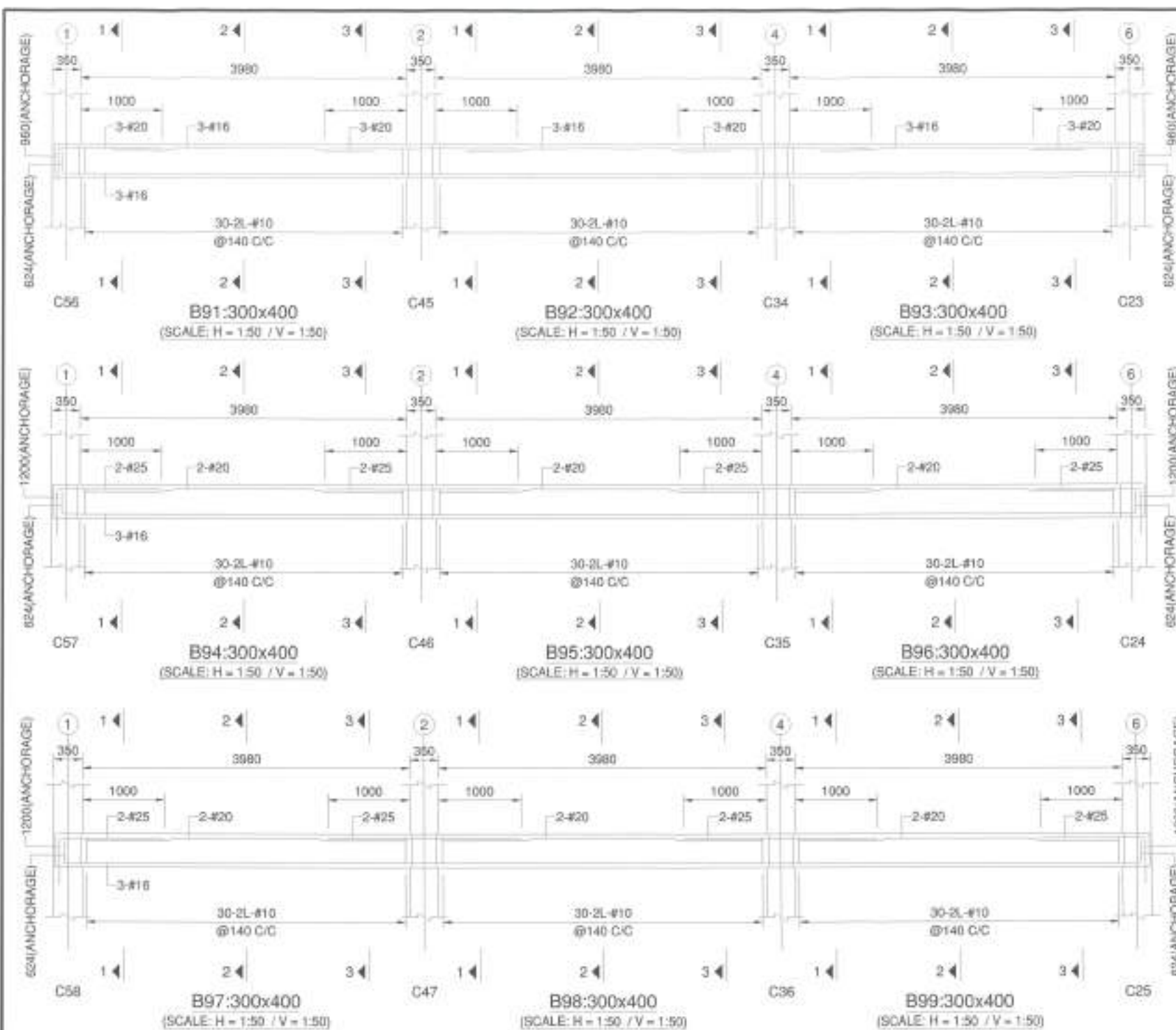


Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, ANAC, PALO DUYO

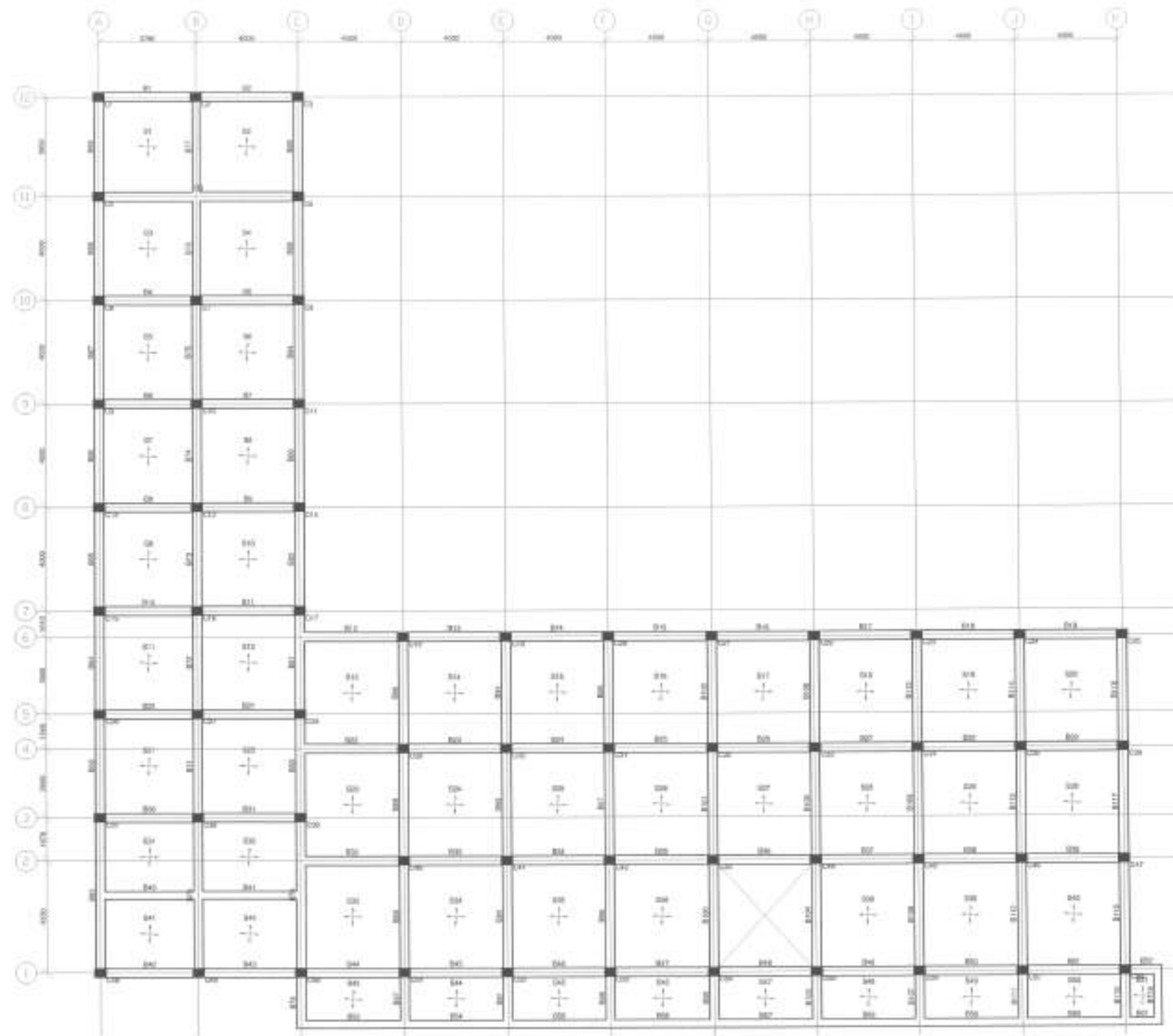
PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED:	APPROVED:	CONCURRED:	SET NO.	SHEET NO.
CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING - PALAMPON INSTITUTE OF TECHNOLOGY	STRUCTURAL BEAM DETAILS	ENGR. BLAZAR J. BACALAN STRUCTURAL ENGINEER	LUCAS N. BACSA DESA. ARCHITECTURAL DESIGNER	MA. MARICELITA C. JARA, P.E. ASSISTANT REGIONAL DIRECTOR	EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	DENNIS A. DELAR, R.E.D. UNIVERSITY REPRESENTATIVE	8 28/50	55 101
LOCATION: BOK, GUANZ, PALAMPON, DAVAO		DATE:	DATE:	DATE:	DATE:	DATE:		



 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, DAVAO, PALAWAN, PHILIPPINES	PROJECT TITLE: CONSTRUCTION OF INNOVATION RECREATION CENTER BUILDING - PALAMPON INSTITUTE OF TECHNOLOGY LOCATION: BRGY. SUMAN, PALAMPON, PALAWAN	SHEET CONTENTS: STRUCTURAL BEAM DETAILS	PREPARED: ENGR. ELIZABETH T. SACLEA-AN DATE: _____	SUBMITTED: ENGR. ELIZABETH T. SACLEA-AN DATE: _____	RECOMMENDED: MA. MARGARITA C. JUAN, D.E. DATE: _____	APPROVED: EDGAR B. TABACON, CESO IV DATE: _____	CONCURRED: JOHN A. LAR, Ed.D. DATE: _____	SHEET NO. 8	SHEET NO. 58
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 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII EQUIPMENT CENTER, BANGAL, PALAU CITY	PROJECT TITLE: CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING - PALOMPON INSTITUTE OF TECHNOLOGY	SHEET CONTENTS: STRUCTURAL BEAM DETAILS	PREPARED: ENGR. ELEANOR J. SACLAN STRUCTURAL ENGINEER	SUBMITTED: LUCAS R. SACLAN ASST. PROJECT ENGINEER	RECOMMENDED: MA. NASHA M. JUNA, O.M. ASST. REGIONAL DIRECTOR	APPROVED: EDGAR D. TABACON, CESO IV REGIONAL DIRECTOR	CONCURRED: DENNIS A. PLAN, Ed.D. UNIVERSITY REPRESENTATIVE	SET NO. 5 31 56	SHEET NO. 58 101
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PLAN AT 0.6 M

1 **STRUCTURAL PLAN**
S-32 SCALE: 1:200 MTS.



Republic of the Philippines
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
 REGIONAL OFFICE NO. VIII
 GOVERNMENT CENTER, SANGALAYAN, PALOY, CAVITE

PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED:	APPROVED:	CONCURRED:	SHEET NO.	SHEET NO.
CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING - PALOMPO INSTITUTE OF TECHNOLOGY	STRUCTURAL PLAN	ENGR. CLAR JEROME T. SAGLANAN STRUCTURAL ENGINEER	LUCAS N. SACAL SUPERVISOR	NA. MARGARETA D. JUNIA ASSISTANT REGIONAL DIRECTOR	EDGAR D. TABACON, CESO IV REGIONAL DIRECTOR	GENNIS A. SAGLANAN, E.O.D. ARCHITECT	32	50
LOCATION: BRD. GUANAY, PALOMPO, CAVITE		DATE:	DATE:	DATE:	DATE:	DATE:		

BEAM SCHEDULE (C45 : Fy414) (LEVEL: 3.6 m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
B1	350	450	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	8-2L-#10@165 C/C	6-2L-#10@165 C/C	8-2L-#10@165 C/C	1-#20EF	-	-
B2,B12,B32,B43 B44	350	450	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	1-#20EF	-	-
B3	350	450	4-#16	4-#16	4-#16	4-#20	4-#16	4-#20	16-2L-#10@165 C/C	14-2L-#10@165 C/C	16-2L-#10@165 C/C	-	-	-
B4,B6,B8	350	450	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	8-2L-#10@165 C/C	6-2L-#10@165 C/C	8-2L-#10@165 C/C	-	-	-
B5,B7,B9,B83,B84	350	450	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	-	-	-
B10,B20,B30,B42	350	450	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	8-2L-#10@165 C/C	6-2L-#10@165 C/C	8-2L-#10@165 C/C	-	-	-
B11,B13,B14,B15 B16,B17,B18,B19 B21,B31,B33,B34 B35,B36,B37,B38 B39,B45,B46,B47 B48,B49,B50,B51 B72,B73,B74,B75	350	450	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	-	-	-
B22,B68,B69	350	450	3-#16	3-#16	3-#16	5-#16	5-#16	5-#16	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	1-#20EF	-	-
B23,B24,B25,B26 B27,B28,B29,B63 B64,B65,B66,B67	350	450	3-#16	3-#16	3-#16	5-#16	5-#16	5-#16	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	-	-	-
B40,B41,B54,B55 B56,B57,B58,B59 B60	300	400	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B52	350	450	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	4-2L-#10@165 C/C	2-2L-#10@165 C/C	4-2L-#10@165 C/C	1-#20EF	-	CANTILEVERED
B53	300	400	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	1-#16EF	-	-
B61	300	400	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	4-2L-#10@140 C/C	2-2L-#10@140 C/C	4-2L-#10@140 C/C	1-#16EF	-	CANTILEVERED
B62	350	450	4-#16	4-#16	4-#16	5-#16	5-#16	5-#16	13-2L-#10@165 C/C	11-2L-#10@165 C/C	13-2L-#10@165 C/C	1-#20EF	-	-
B70	350	450	3-#16	5-#16	3-#16	4-#20	4-#16	4-#20	13-2L-#10@165 C/C	11-2L-#10@165 C/C	13-2L-#10@165 C/C	1-#20EF	-	-
B71	350	450	3-#16	3-#16	3-#16	4-#20	4-#16	4-#16	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	-	-	-
B76	300	400	3-#16	3-#16	3-#16	3-#25	3-#16	3-#16	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B77	300	400	3-#16	3-#16	3-#16	3-#16	3-#16	3-#20	10-2L-#10@140 C/C	8-2L-#10@140 C/C	10-2L-#10@140 C/C	-	-	-
B78	350	450	3-#16	3-#16	3-#16	3-#25	3-#25	3-#25	5-2L-#10@165 C/C	3-2L-#10@165 C/C	5-2L-#10@165 C/C	1-#20EF	-	CANTILEVERED
B79	350	450	3-#16	5-#16	3-#16	3-#25	3-#16	3-#25	13-2L-#10@165 C/C	11-2L-#10@165 C/C	13-2L-#10@165 C/C	1-#20EF	-	-
B80	350	450	4-#16	4-#16	4-#16	3-#25	3-#16	3-#20	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	1-#20EF	-	-
B81	350	450	4-#16	4-#16	4-#16	3-#20	3-#16	3-#20	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	1-#20EF	-	-
B82	350	450	3-#16	3-#16	3-#16	3-#20	3-#16	3-#16	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	-	-	-
B85	350	450	3-#16	3-#16	3-#16	3-#16	3-#16	3-#20	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	1-#20EF	-	-
B86	350	450	3-#16	3-#16	3-#16	3-#20	3-#16	3-#16	9-2L-#10@165 C/C	7-2L-#10@165 C/C	9-2L-#10@165 C/C	1-#20EF	-	-
B87,B91,B95	350	450	3-#16	3-#16	3-#16	5-#16	5-#16	5-#16	5-2L-#10@165 C/C	3-2L-#10@165 C/C	5-2L-#10@165 C/C	1-#20EF	-	CANTILEVERED
B88,B89,B90,B92 B93,B94,B96,B97 B98	350	450	3-#16	3-#16	3-#16	5-#16	5-#16	5-#16	10-2L-#10@165 C/C	8-2L-#10@165 C/C	10-2L-#10@165 C/C	-	-	-
B99,B103,B107 B111,B115	350	450	3-#16	3-#16	3-#16	4-#20	4-#20	4-#20	5-2L-#10@165 C/C	3-2L-#10@165 C/C	5-2L-#10@165 C/C	1-#20EF	-	CANTILEVERED
B100,B101,B104 B105,B106,B108 B109,B110,B113 B114,B117	350	450	3-#16	3-#16	3-#16	4-#20	4-#16	4-#20	10-2L-#10@165 C/C	8-2L-#10@165 C/C	10-2L-#10@165 C/C	-	-	-
B102	350	450	3-#16	3-#16	3-#16	4-#20	4-#16	4-#16	10-2L-#10@165 C/C	8-2L-#10@165 C/C	10-2L-#10@165 C/C	-	-	-
B112,B116,B118	350	450	4-#16	4-#16	4-#16	4-#20	4-#16	4-#20	10-2L-#10@165 C/C	8-2L-#10@165 C/C	10-2L-#10@165 C/C	-	-	-
B119	300	400	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	5-2L-#10@140 C/C	3-2L-#10@140 C/C	5-2L-#10@140 C/C	1-#16EF	-	-



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, SARAN, PALO LEYTE

PROJECT TITLE:
CONSTRUCTION OF RENOVATION SECURITY CENTER BUILDING-
PALORPON INSTITUTE OF TECHNOLOGY
LOCALITY: BAYAN, PALORPON, PALO LEYTE

SHEET CONTENTS:
BEAM SCHEDULE

PREPARED:
ENGR. ELIZABETH T. BACLEA-AR
STRUCTURAL ENGINEER
DATE: _____

SUBMITTED:
LUCAS N. BACAL
CHIEF, SANITARIAN DIVISION
DATE: _____

RECOMMENDED:
MA. MARGARETA C. LUNDAO M.
ASSISTANT REGIONAL DIRECTOR
DATE: _____

APPROVED:
EDGAR B. TABACON, CESO IV
REGIONAL DIRECTOR
DATE: _____

CONCURRED:
DENNIS A. DELA LLANA, D.O.
LAWYER
DATE: _____

SHEET NO. 8
SHEET NO. 60

SLAB SCHEDULE (C21 : FY414) (LEVEL : 0 M)

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT				TOP REINFORCEMENT					REMARKS
		ALONG SHORT SPAN		ALONG LONG SPAN		OVER LONG SUPPORT		OVER SHORT SUPPORT		DISTRIBUTION	
		FULL LENGTH	CURTAILED	FULL LENGTH	CURTAILED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT		
S1, S2, S3, S4 S5, S6, S7, S8 S9, S10, S11 S21, S30, S41 S42	125	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 300 C/C	---
S12, S22, S23 S24, S25, S26 S27, S28, S29 S32	125	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 300 C/C	---
S13, S14, S15 S16, S17, S18 S19, S33, S34 S35, S36, S37 S38, S39	125	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 240 C/C	#10 @ 250 C/C	#10 @ 300 C/C	---
S20, S40	125	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 240 C/C	#10 @ 250 C/C	#10 @ 300 C/C	---
S31	125	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 300 C/C	---



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
REGIONAL CENTER, SAMAL RINOLEYTO

PROJECT TITLE:
CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING
PALOMPON INSTITUTE OF TECHNOLOGY
SHEET CONTENTS:
SLAB SCHEDULE
LOCATION: BRIG. GEN. S. PALOMPON, LITUP

PREPARED:
ENGR. EDGAR JEROME T. BACLEA-AN
STRUCTURAL ENGINEER
DATE: 2023

SUBMITTED:
LUCAS M. SACSAL
CHIEF, MAINTENANCE DIVISION
DATE: 2023

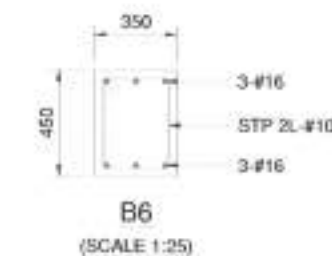
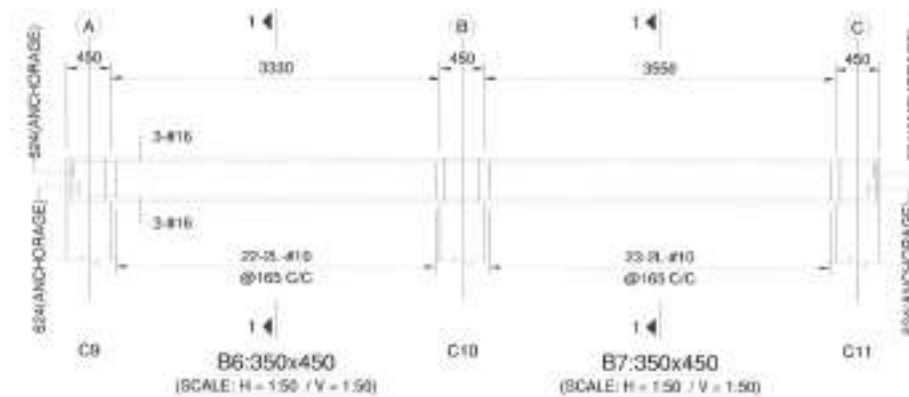
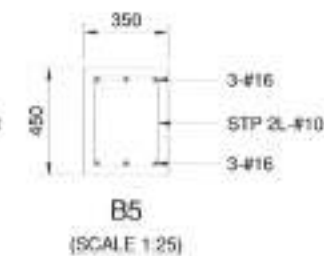
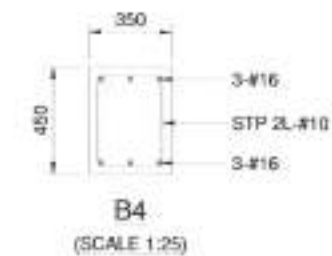
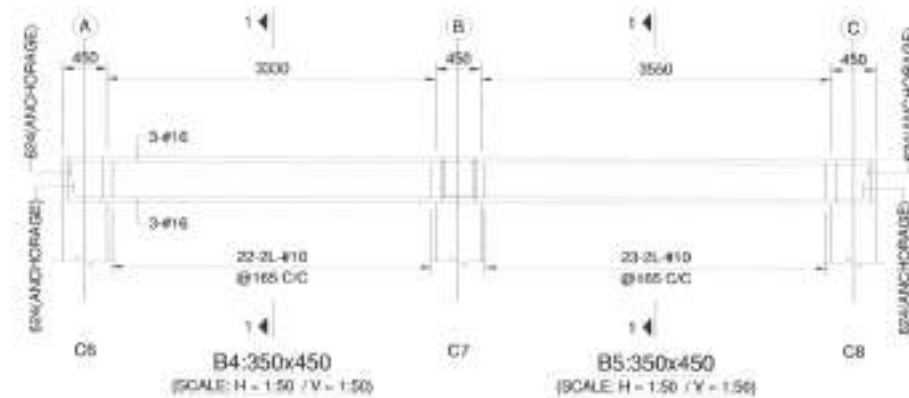
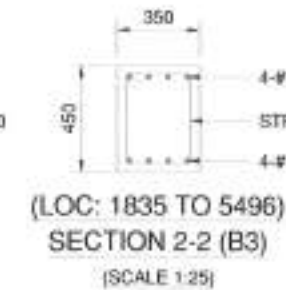
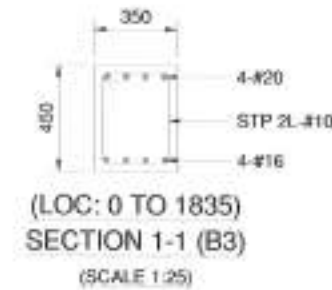
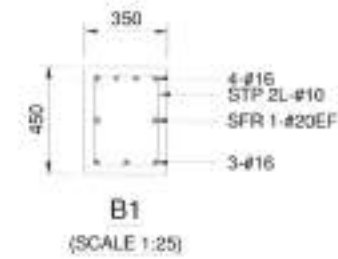
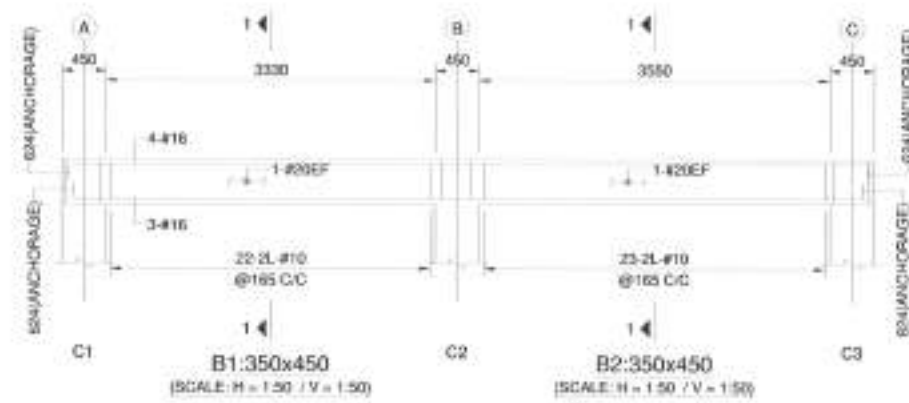
RECOMMENDED:
NA. MARGARITA C. ANIA, D.M.
ASSISTANT REGIONAL ENGINEER
DATE: 2023

APPROVED:
EDGAR B. TABACON, CESO IV
REGIONAL DIRECTOR
DATE: 2023

CONCURRED:
DENNIS A. DELA LLANA, ELD.
CHIEF, PLANNING DIVISION
DATE: 2023

SET NO.
5
34/56

SHEET NO.
01
101



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, DAVAO PALO LEYTE

PROJECT TITLE:
CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING -
PALOMPON INSTITUTE OF TECHNOLOGY
LOCATION: OBDO, GABARRA, DAVAO PALO LEYTE

SHEET CONTENTS:
STRUCTURAL BEAM DETAILS

PREPARED:
ENGR. ELIZABETH T. BACLEA-AN
STRUCTURAL ENGINEER

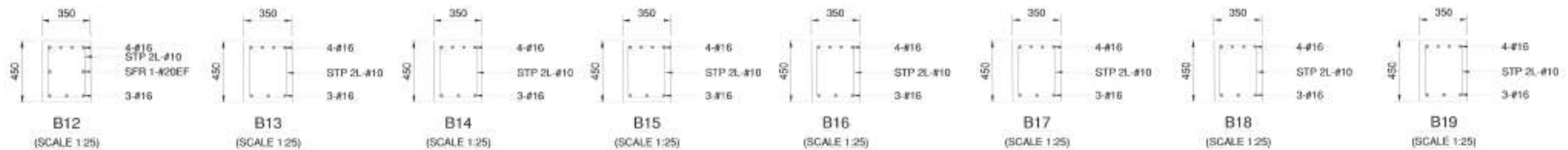
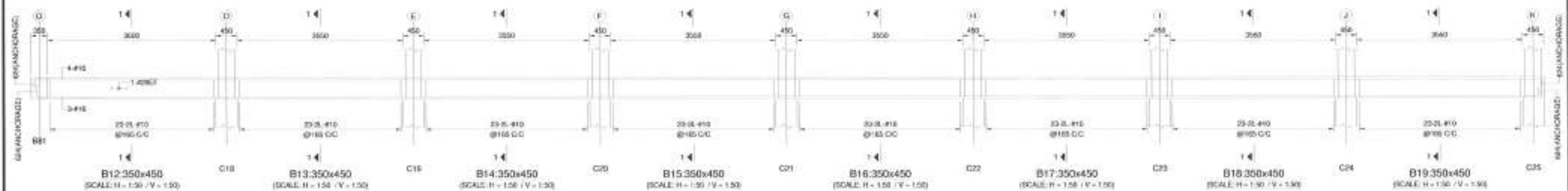
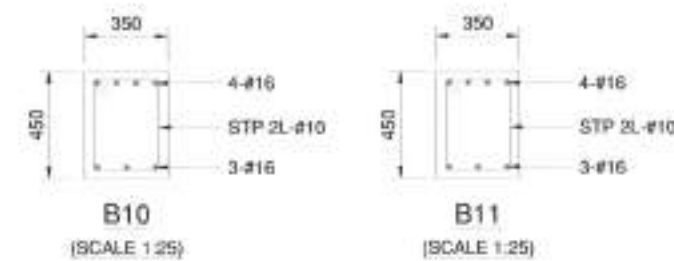
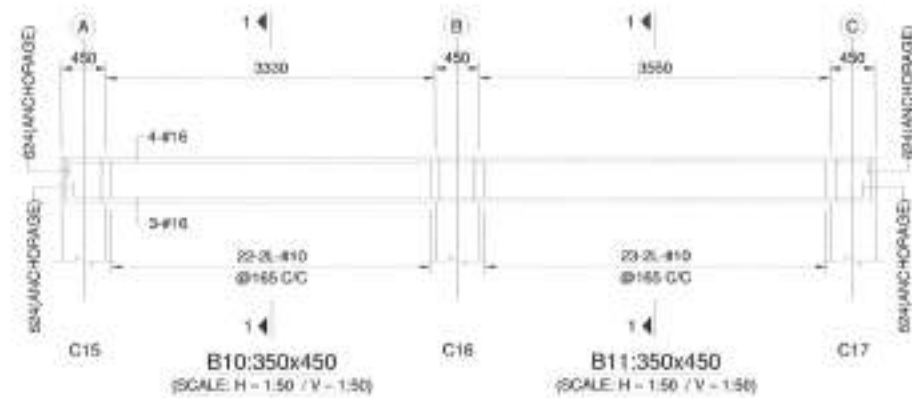
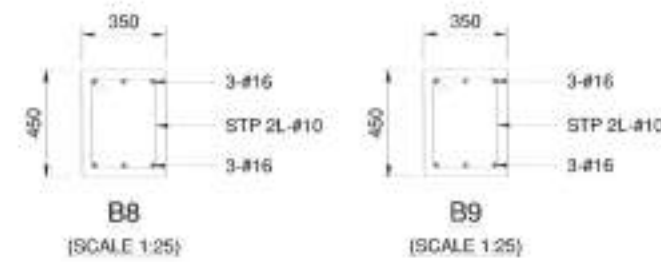
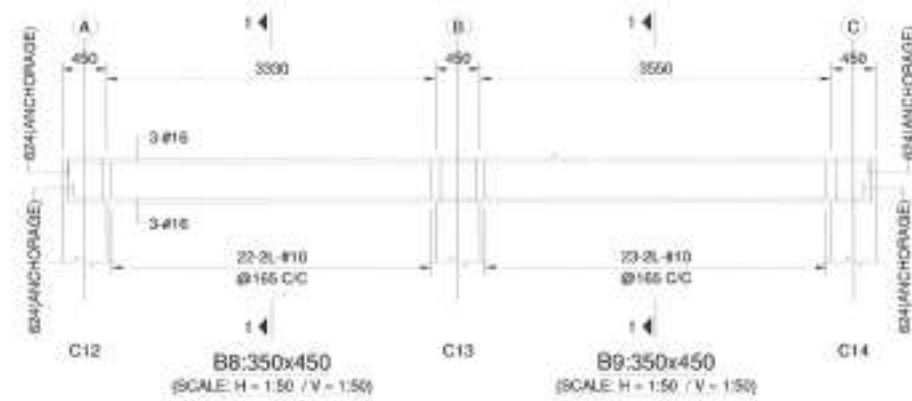
SUBMITTED:
LUCKY M. BACALAL
CHECK ENGINEER

RECOMMENDED:
MA. MARGARITA C. JAVIA, D.M.
ASSISTANT REGIONAL ENGINEER

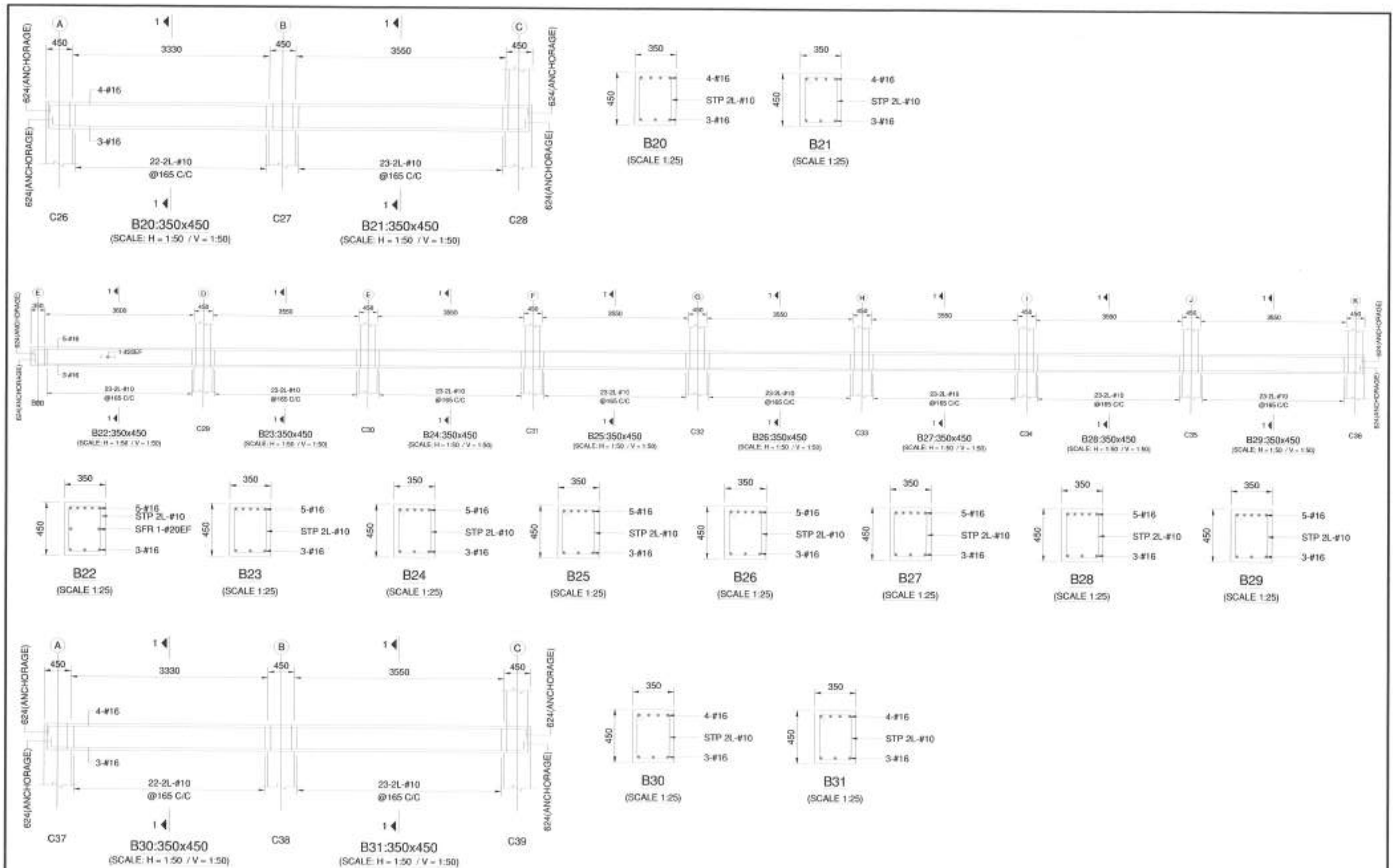
RECORDED:
EDGAR B. TABACON, CESO IV
REGIONAL DIRECTOR

CONCURRED:
DENNIS A. BALAN, D.L.D.
UNIVERSITY REPRESENTATIVE

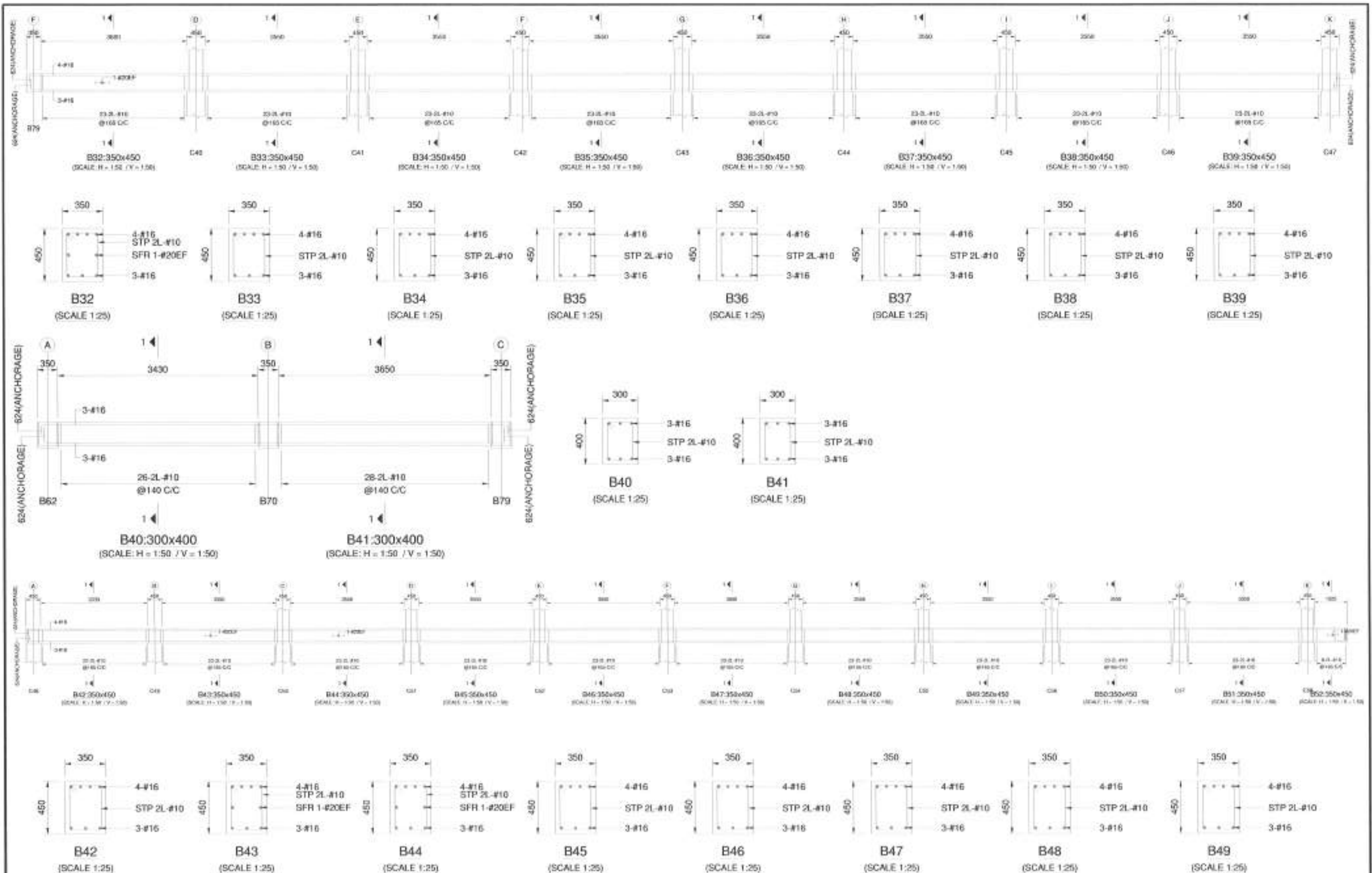
SET NO.: 8
SHEET NO.: 62



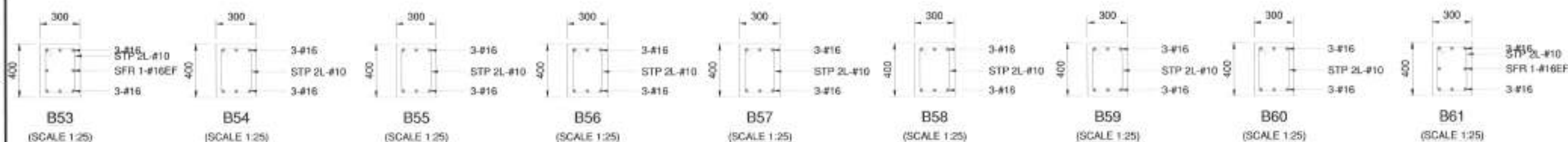
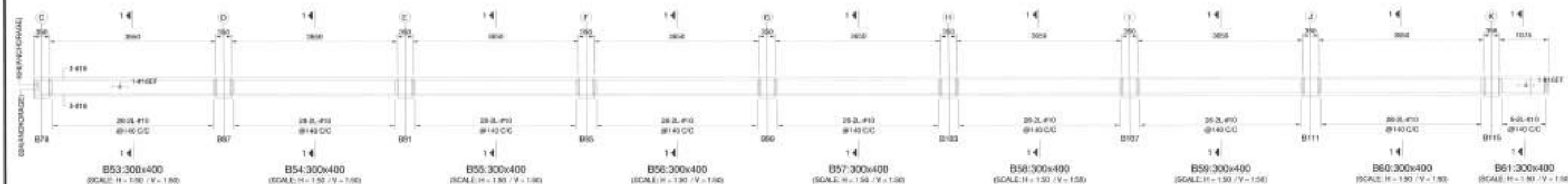
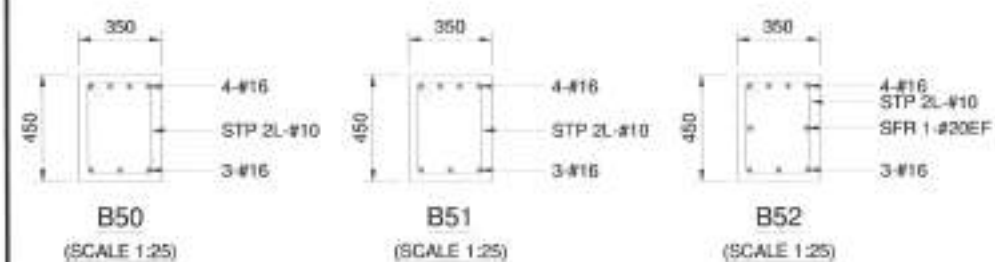
Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BAIS, PANGASINAN	PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED:	APPROVED:	CONCURRED:	SET NO.	SHEET NO.
	CONSTRUCTION OF INNOVATION INCUBATION CENTER BALINGAS, PALOMPON INSTITUTE OF TECHNOLOGY	STRUCTURAL BEAR DETAILS	ENGR. ELZAR J. JIMENEZ Y. SAGLEA-AN STRUCTURAL ENGINEER	LUCAS N. BACAL DEPT. ASSISTANT CHIEF ENGINEER	MA. MARGARITA C. DIA, D.M. REGISTERED ELECTRICAL ENGINEER	EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	DENNIS A. SOLAR, E.D. ASST. REGIONAL DIRECTOR	8 36/56	63 101
	LOCATION: Bais, Pangasinan								

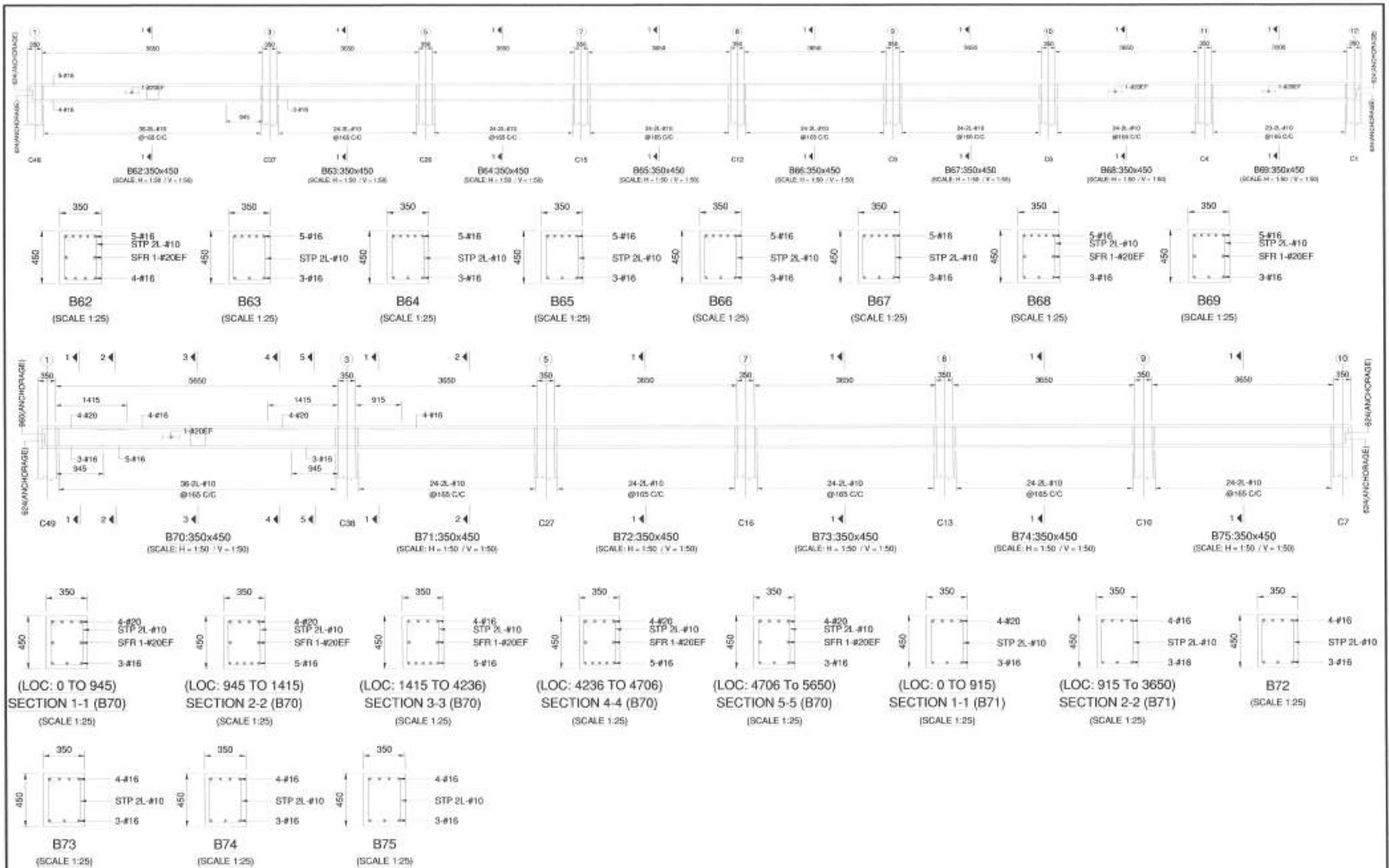


 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, MARIKINA CITY	PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED:	APPROVED:	CONFERRED:	SET NO.	SHEET NO.
	CONSTRUCTION OF INNOVATION INCUBATOR CENTER BUILDING - PALOMPON INSTITUTE OF TECHNOLOGY	STRUCTURAL BEAR DETAILS	ENGR. ELIZABETH T. SAGLE-AN STRUCTURAL ENGINEER	LUCAS N. BACSA CIVIL ENGINEER (P.E.)	MA. MARGARITA C. JUNA, D.M. ASSISTANT REGIONAL DIRECTOR	EDGAR S. TABACON, CESO IV REGIONAL ENGINEER	SEANAS A. HILAR, E.O.D. DEPUTY REGIONAL DIRECTOR	8 37/56	64 101
	LOCATION: ORTIGUELA, PALOMPON, CAVITE								

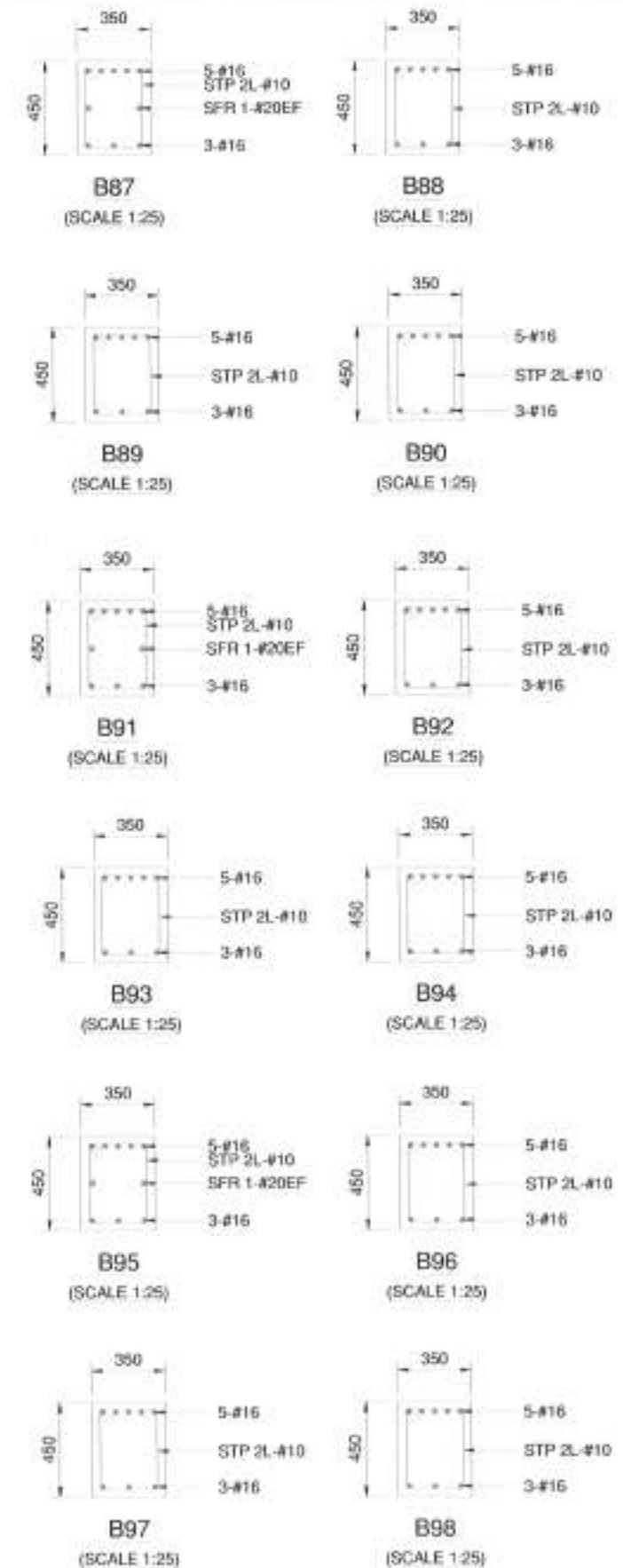
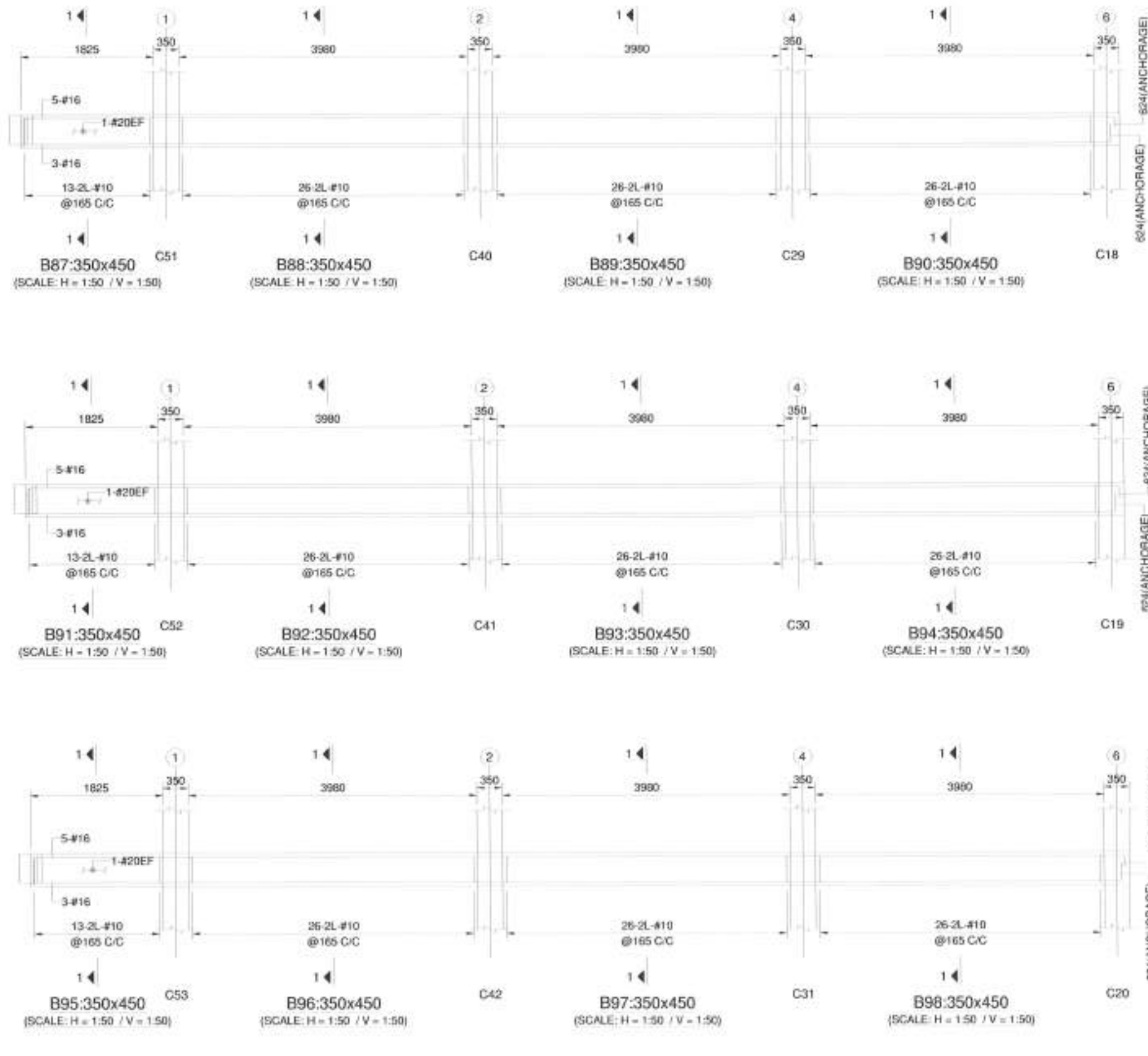


 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, DAVAO, PHILIPPINES	PROJECT TITLE: CONSTRUCTION OF INNOVATION INCUBATOR CENTER BUILDING - PALOMPON INSTITUTE OF TECHNOLOGY LOCATION: 0807, LUBAAN, PALOMPON, LETRO	SHEET CONTENTS: STRUCTURAL BEAM DETAILS	PREPARED: ENGR. ELIZABETH T. SAGUENAN STRUCTURAL ENGINEER	SUBMITTED: LUCAS N. SACSAL CHIEF ARCHITECT DESIGNER	RECOMMENDED: MA. MARGARITA C. JUNA, DM ASSISTANT REGIONAL DIRECTOR	APPROVED: EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	CONCURRED: DENNIS A. PILLAR, EnD. UNIVERSITY PROFESSOR	SHEET NO. 5 SHEET NO. 65
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 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BANGAL, PALO LEYTE	PROJECT TITLE: CONSTRUCTION OF INNOVATION INCUBATION CENTER BIR-PAALOMPO INSTITUTE OF TECHNOLOGY LOCATION: BIR-PAALOMPO, PALO LEYTE	SHEET CONTENTS: STRUCTURAL BEAM DETAILS	PREPARED: ENGR. ELIZABETH T. BACALAN STRUCTURAL ENGINEER	SUBMITTED: LUCAS N. BACALAN LISENCEE ENGINEER	RECOMMENDED: MA. MARGARITA C. BUNIA, D.M. ASSISTANT REGIONAL DIRECTOR	APPROVED: EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	CONCURRED: DENNIS A. PUNILAR, Ed.D. UNIVERSITY REPRESENTATIVE	SHEET NO. 5 40/56 SHEET NO. 67 101
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 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII ENRANGEN CENTER, DAVAO DEL NORTE	PROJECT TITLE: CONSTRUCTION OF INNOVATION INCUBATION CENTER BUILDING - PALORON INSTITUTE OF TECHNOLOGY LOCATION: BPO, DAVAO DEL NORTE	SHEET CONTENTS: STRUCTURAL BEAM DETAILS	PREPARED: ENGR. ELIZABETH T. BACLEMAN STRUCTURAL ENGINEER	SUBMITTED: LUCAS N. BACSA CHIEF ARCHITECTURAL DESIGNER	RECOMMENDED: MA. MARGARITA C. JUNGKUN ASSISTANT REGIONAL DIRECTOR	APPROVED: EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	CONCURRED: DENNIS ANTONIO PLAR, EMD PROVINCIAL ENGINEER	DET. NO. 5 SHEET NO. 65
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