MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 79A	0.40 / 0.80 / 12- 28MM / 6- 28MM — SUPPORT ADJACENT TO B-733; 0.40 / 0.80 / 8- 28MM / 6- 28MM — MIDSPAN; 0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END	10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 07	0.35 / 0.80 / 4- 28MM / 4- 28MM — SUPPORT; 0.35 / 0.80 / 6- 28MM / 6- 28MM — MIDSPAN; 0.35 / 0.80 / 8- 28MM / 8- 28MM — SUPPORT ADJACENT TO B-716	10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
RCB - 2	0.30 / 0.75 / 6- 28MM / 4- 28MM — SUPPORT; 0.30 / 0.75 / 6- 28MM / 4- 28MM — MIDSPAN; 0.30 / 0.75 / 4- 28MM / 2- 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RCB - 4	0.20 / 0.75 / 4 - 20MM / 4 - 20MM — SUPPORT; 0.20 / 0.75 / 6 - 20MM / 4 - 20MM — MIDSPAN; 0.20 / 0.75 / 6 - 20MM / 6 - 20MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RCB - 5	0.20 / 0.75 / 6 - 20MM / 6 - 20MM — SUPPORT; 0.20 / 0.75 / 6 - 20MM / 4 - 20MM — MIDSPAN; 0.20 / 0.75 / 4 - 20MM / 4 - 20MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RCB - 6	0.30 / 0.75 / 4 - 28MM / 2 - 28MM — SUPPORT; 0.30 / 0.75 / 4 - 28MM / 4 - 28MM — MIDSPAN; 0.30 / 0.75 / 6 - 28MM / 4 - 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RCB - 7	0.30 / 0.75 / 4 - 28MM / 2 - 28MM — SUPPORT; 0.30 / 0.75 / 4 - 28MM / 4 - 28MM — MIDSPAN; 0.30 / 0.75 / 4 - 28MM / 4 - 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
RCB - 9	0.30 / 0.75 / 4 - 28MM / 2 - 28MM — SUPPORT; 0.30 / 0.75 / 4 - 28MM / 4 - 28MM — MIDSPAN; 0.30 / 0.75 / 4 - 28MM / 4 - 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RCB - 9A	0.30 / 0.75 / 6 - 28MM / 4 - 28MM — SUPPORT; 0.30 / 0.75 / 4 - 28MM / 4 - 28MM — MIDSPAN; 0.30 / 0.75 / 4 - 28MM / 2 - 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 82	0.30 / 0.75 / 8- 28MM / 4- 28MM — SUPPORT ADJACENT TO B-823; 0.30 / 0.75 / 6- 28MM / 4- 28MM — MIDSPAN; 0.30 / 0.75 / 4- 28MM / 4- 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 84	0.20 / 0.75 / 4-20MM / 2-20MM — SUPPORT; 0.20 / 0.75 / 6-20MM / 4-20MM — MIDSPAN; 0.20 / 0.75 / 8-20MM / 8-20MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 85	0.20 / 0.75 / 8-20MM / 8-20MM — SUPPORT ADJACENT TO B-887; 0.20 / 0.75 / 6-20MM / 4-20MM — MIDSPAN; 0.20 / 0.75 / 4-20MM / 2-20MM — SUPPORT DISCONT. END	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 86	0.30 / 0.75 / 6- 28MM / 4- 28MM — SUPPORT; 0.30 / 0.75 / 6- 28MM / 6- 28MM — MIDSPAN; 0.30 / 0.75 / 8- 28MM / 6- 28MM — SUPPORT ADJACENT TO B-828	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 87	0.30 / 0.75 / 5- 28MM / 2- 28MM — SUPPORT ADJACENT TO B-423; 0.30 / 0.75 / 8- 28MM / 4- 28MM — MIDSPAN; 0.30 / 0.75 / 8- 28MM / 4- 28MM — SUPPORT ADJACENT TO B-831	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 88	0.30 / 0.75 / 6- 28MM / 6- 28MM — SUPPORT ADJACENT TO B-823; 0.30 / 0.75 / 5- 28MM / 6- 28MM — MIDSPAN; 0.30 / 0.75 / 4- 28MM / 4- 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 89	0.30 / 0.75 / 4- 28MM / 2- 28MM — SUPPORT ADJACENT TO B-833; 0.30 / 0.75 / 8- 28MM / 4- 28MM — MIDSPAN; 0.30 / 0.75 / 6- 28MM / 4- 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 89A	0.30 / 0.75 / 6- 28MM / 4- 28MM — SUPPORT; 0.30 / 0.75 / 8- 28MM / 4- 28MM — MIDSPAN; 0.30 / 0.75 / 4- 28MM / 2- 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 810A	0.28 / 0.75 / 4- 28MM / 2- 28MM — SUPPORT; 0.28 / 0.75 / 4- 28MM / 2- 28MM — MIDSPAN; 0.28 / 0.75 / 4- 28MM / 2- 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 1	0.40 / 0.85 / 12- 28MM / 10- 28MM — SUPPORT ADJACENT TO B-202; 0.40 / 0.85 / 12- 28MM / 5- 28MM — MIDSPAN; 0.40 / 0.85 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 2	0.40 / 0.85 / 16- 28MM / 12- 28MM — SUPPORT ADJACENT TO B-223; 0.40 / 0.85 / 12- 28MM / 8- 28MM — MIDSPAN; 0.40 / 0.85 / 5- 28MM / 4- 28MM — SUPPORT DISCONT. END	10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 3	0.40 / 0.85 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END; 0.40 / 0.85 / 12- 28MM / 10- 28MM — MIDSPAN; 0.40 / 0.85 / 16- 28MM / 10- 28MM — SUPPORT ADJACENT TO B-224	10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.

SCHEDULE OF BEAM DETAILS

SCALE: 1:30M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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ENGR. CARLITO P. TALABOC, Ph.D.
CIVIL/STRUCTURAL ENGINEER
PRC REG. NO. 10 889 PTR NO. 6016938
TIN 182 436 160 DATE ISSUED: 01-08-2015

PROJECT : PROPOSED STUDENT CENTER & EDUCATION COMPLEX

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

APPROVED :

ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL	SHEET NO.
SHEET CONTENTS :	S26
- SCHEDULE OF BEAM DETAILS	S49

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MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 61	0.40 / 0.80 / 8- 28MM / 6- 28MM — SUPPORT ADJACENT TO B-602; 0.40 / 0.80 / 8- 28MM / 6- 28MM — MIDSPAN; 0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 62	0.40 / 0.80 / 12- 28MM / 8- 28MM — SUPPORT ADJACENT TO B-623; 0.40 / 0.80 / 12- 28MM / 8- 28MM — MIDSPAN; 0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 63	0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 14- 28MM / 8- 28MM — MIDSPAN; 0.40 / 0.80 / 14- 28MM / 8- 28MM — SUPPORT ADJACENT TO B-624	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 64	0.20 / 0.80 / 4-20MM / 4-20MM — SUPPORT DISCONT. END; 0.20 / 0.80 / 8-20MM / 8-20MM — MIDSPAN; 0.20 / 0.80 / 8-20MM / 8-20MM — SUPPORT ADJACENT TO B-628	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 65	0.20 / 0.80 / 8-20MM / 8-20MM — SUPPORT ADJACENT TO B-627; 0.20 / 0.80 / 8-20MM / 8-20MM — MIDSPAN; 0.20 / 0.80 / 4-20MM / 4-20MM — SUPPORT DISCONT. END	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 66	0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 12- 28MM / 8- 28MM — MIDSPAN; 0.40 / 0.80 / 12- 28MM / 8- 28MM — SUPPORT ADJACENT TO B-626	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 67	0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 12- 28MM / 6- 28MM — MIDSPAN; 0.40 / 0.80 / 12- 28MM / 8- 28MM — SUPPORT ADJACENT TO B-631	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 68	0.40 / 0.80 / 12- 28MM / 12- 25MM — SUPPORT ADJACENT TO B-632; 0.40 / 0.80 / 12- 28MM / 6- 28MM — MIDSPAN; 0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 69	0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 12- 28MM / 8- 28MM — MIDSPAN; 0.40 / 0.80 / 12- 28MM / 8- 28MM — SUPPORT ADJACENT TO B-533	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 69A	0.40 / 0.80 / 14- 28MM / 8- 28MM — SUPPORT ADJACENT TO B-633; 0.40 / 0.80 / 14- 28MM / 8- 28MM — MIDSPAN; 0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 06	0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 8- 28MM / 6- 28MM — MIDSPAN; 0.40 / 0.80 / 12- 28MM / 12- 28MM — SUPPORT ADJACENT TO B-616	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 610A	0.40 / 0.80 / 2- 28MM / 2- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 2- 28MM / 2- 28MM — MIDSPAN; 0.40 / 0.80 / 2- 28MM / 2- 28MM — SUPPORT ADJACENT TO B-616	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 71	0.35 / 0.80 / 8- 28MM / 4- 28MM — SUPPORT ADJACENT TO B-702; 0.35 / 0.80 / 6- 28MM / 4- 28MM — MIDSPAN; 0.35 / 0.80 / 4- 28MM / 4- 28MM — SUPPORT	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 72	0.40 / 0.80 / 10- 28MM / 6- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 8- 28MM / 6- 28MM — MIDSPAN; 0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT ADJACENT TO B-723	10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 73	0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 8- 28MM / 5- 28MM — MIDSPAN; 0.40 / 0.80 / 12- 28MM / 8- 28MM — SUPPORT ADJACENT TO B-724	10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 74	0.20 / 0.80 / 4-20MM / 4-20MM — SUPPORT DISCONT. END; 0.20 / 0.80 / 8-20MM / 6-20MM — MIDSPAN; 0.20 / 0.80 / 8-20MM / 8-20MM — SUPPORT ADJACENT TO B-726	10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 75	0.20 / 0.80 / 8-20MM / 8-20MM — SUPPORT; 0.20 / 0.80 / 8-20MM / 6-20MM — MIDSPAN; 0.20 / 0.80 / 4-20MM / 4-20MM — SUPPORT DISCONT. END	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 76	0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 8- 28MM / 6- 28MM — MIDSPAN; 0.40 / 0.80 / 10- 28MM / 6- 28MM — SUPPORT ADJACENT TO B-728	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 77	0.40 / 0.80 / 8- 28MM / 4- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 8- 28MM / 5- 28MM — MIDSPAN; 0.40 / 0.80 / 12- 28MM / 6- 28MM — SUPPORT ADJACENT TO B-731	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 78	0.40 / 0.80 / 10- 28MM / 10- 28MM — SUPPORT ADJACENT TO B-732; 0.40 / 0.80 / 8- 28MM / 6- 28MM — MIDSPAN; 0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 79	0.40 / 0.80 / 6- 28MM / 4- 28MM — SUPPORT DISCONT. END; 0.40 / 0.80 / 8- 28MM / 6- 28MM — MIDSPAN; 0.40 / 0.80 / 10- 28MM / 6- 28MM — SUPPORT DISCONT. END	10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.

SCHEDULE OF BEAM DETAILS

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ENGR. CARLITO P. TALABOC, Ph.D.
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MUST PRESIDENT

SHEET TITLE: STRUCTURAL — SHEET NO.
SHEET CONTENTS :
- SCHEDULE OF BEAM DETAILS — S25 S49

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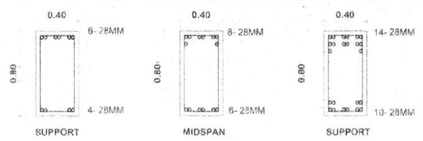
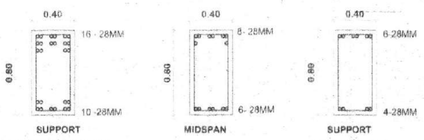
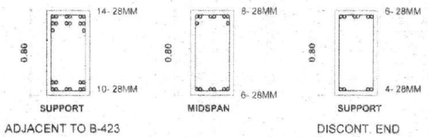
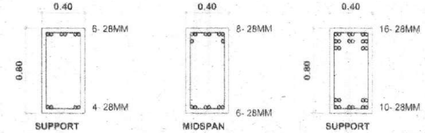
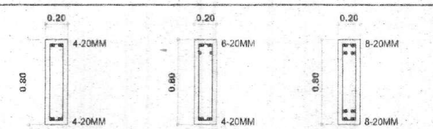
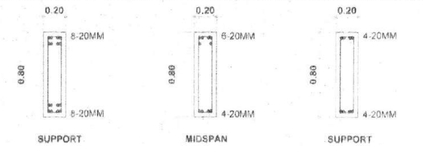
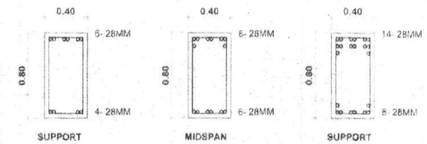
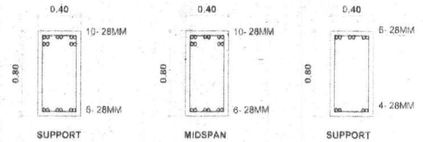
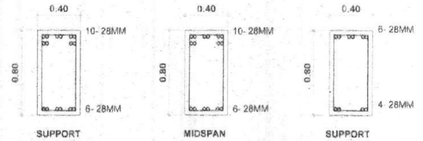
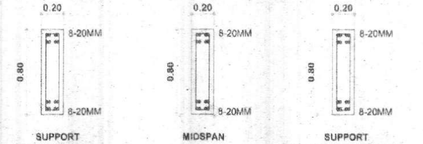
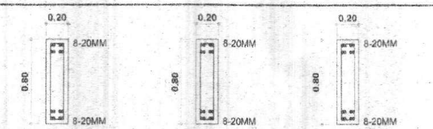
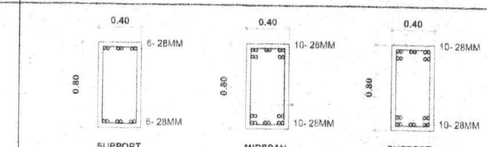
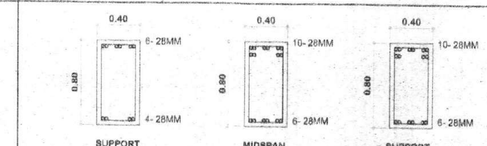
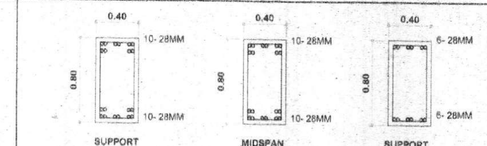
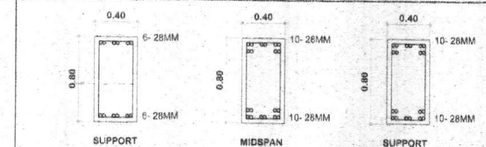
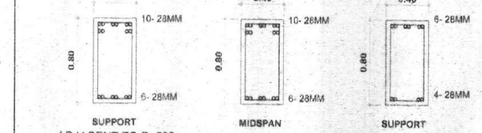
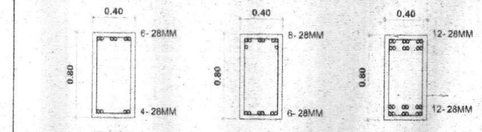
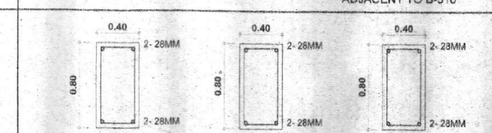
MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 49		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 49A		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 04		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 41		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 42		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 43		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 44		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 45		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 46		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 51		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 52		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 53		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 54		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 55		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 56		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 57		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 58		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 59		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 59A		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 05		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 510A		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.

SCHEDULE OF BEAM DETAILS

SCALE: 1:30M

REPUBLIC OF THE PHILIPPINES
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PREPARED BY:

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CIVIL/STRUCTURAL ENGINEER
PRC REG. NO. 10 889 PTR NO. 6016938
TIN: 182 435 160 DATE ISSUED: 01-08-2015

PROJECT : **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

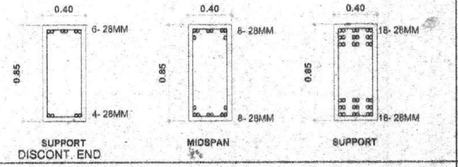
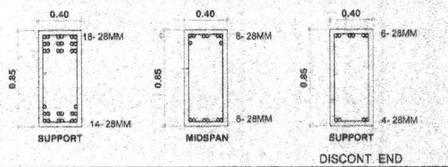
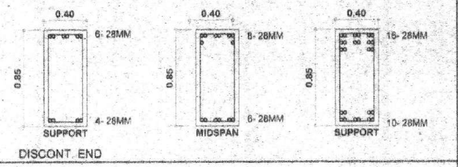
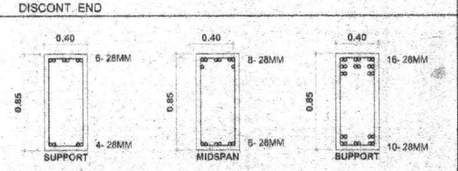
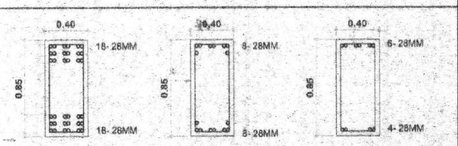
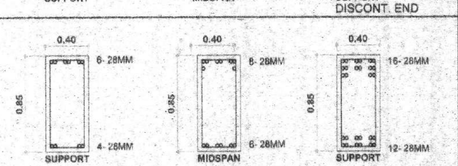
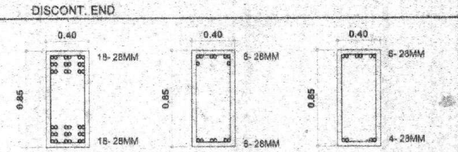
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

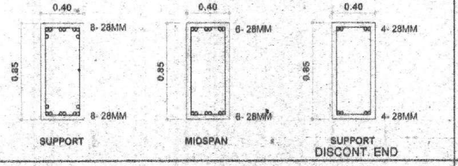
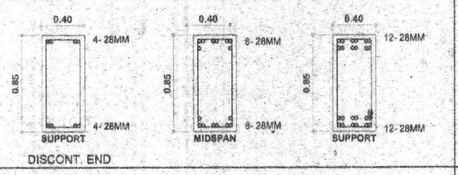
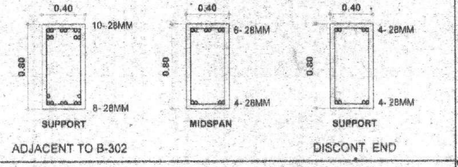
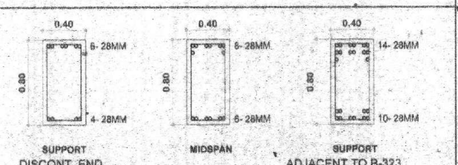
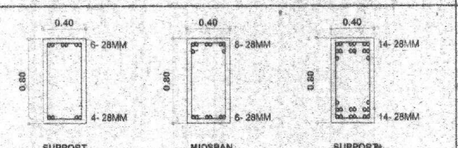
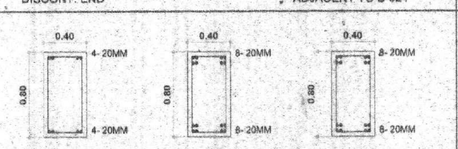
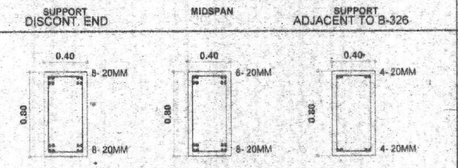
APPROVED :

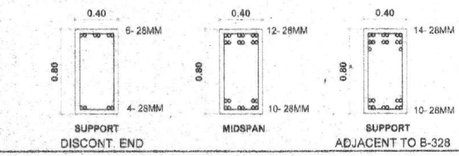
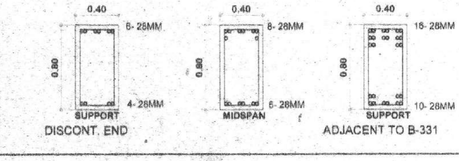
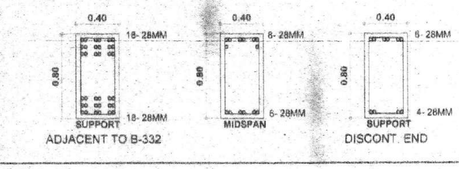
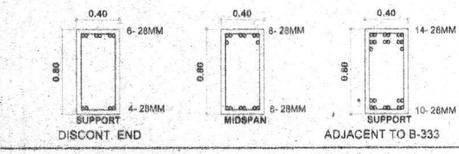
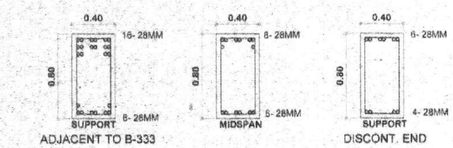
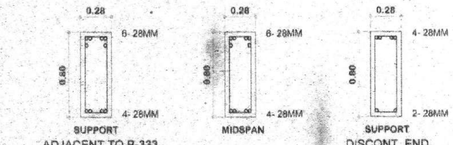
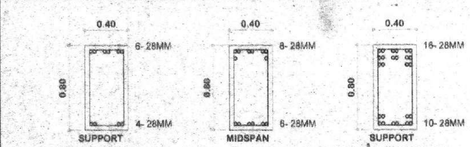
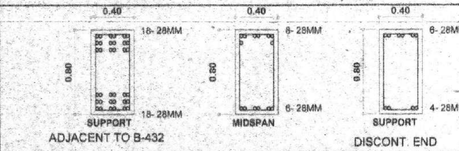
ATTY. JONATHAN S. OCHE
DIRECTOR - ADMINISTRATION

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL	SHEET NO.
SHEET CONTENTS :	S24
- SCHEDULE OF BEAM DETAILS	S49

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 4		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 5		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 6		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 7		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 8		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 9		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 9A		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 10		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 11		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 31		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 32		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 33		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 34		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 35		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
CB - 36		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 37		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 38		10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.150 REST @ 0.300 O.C.
CB - 39		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 39A		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 310A		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 47		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
CB - 48		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.

SCHEDULE OF BEAM DETAILS

SCALE: 1:30M

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PREPARED BY:

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CIVIL/STRUCTURAL ENGINEER
PRC REG. NO. 10 889 PTR NO. 6016936
TIN: 182 435 160 DATE ISSUED: 01-06-2015

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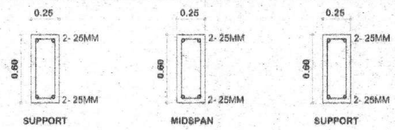
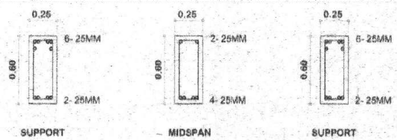
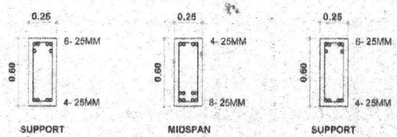
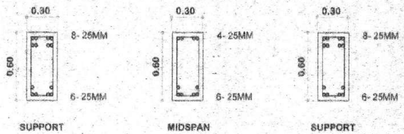
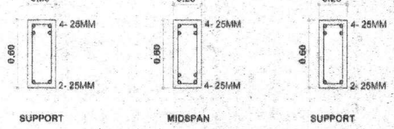
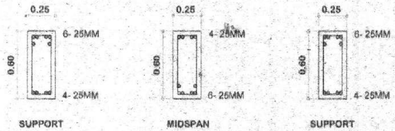
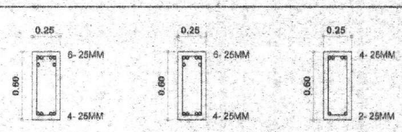
DIRECTOR, ADMINISTRATION

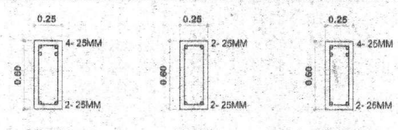
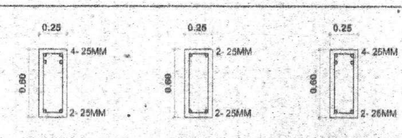
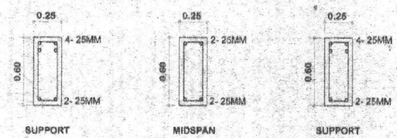
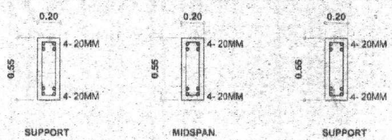
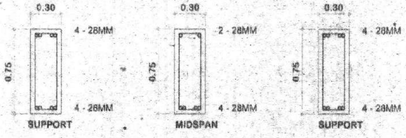
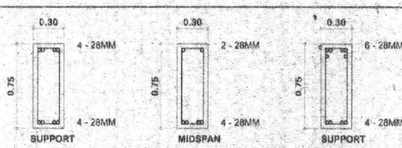
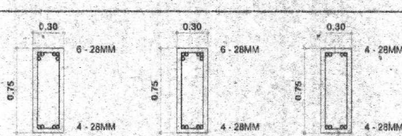
DR. RICARDO E. ROTORAS
MUST PRESIDENT

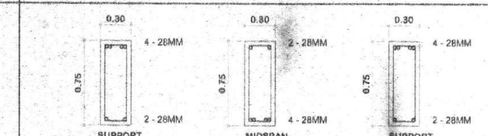
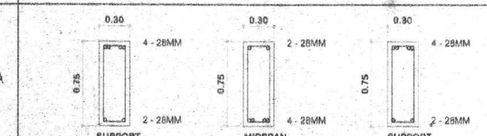
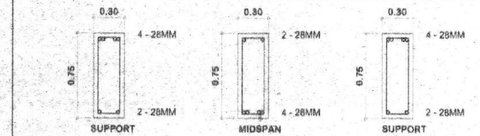
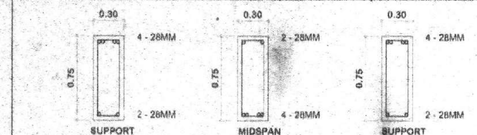
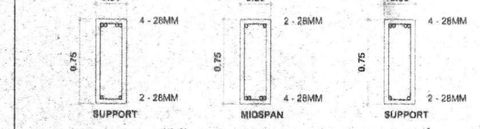
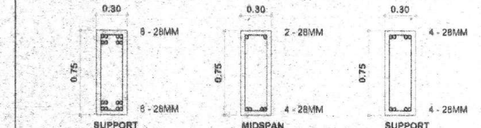
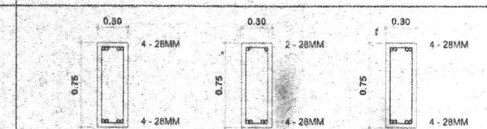
SHEET TITLE: STRUCTURAL
SHEET CONTENTS
- SCHEDULE OF BEAM DETAILS

SHEET NO. S23 S49

80
198

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
B-0		10MM 1 @ 0.125 REST @ 0.255 O.C.	10MM 1 @ 0.125 REST @ 0.255 O.C.
B - 1		10MM 1 @ 0.090 5 @ 0.185 2 @ 0.250 REST @ 0.255 O.C.	10MM 1 @ 0.115 5 @ 0.230 REST @ 0.255 O.C.
B - 2		10MM 1 @ 0.125 REST @ 0.255 O.C.	10MM 1 @ 0.125 REST @ 0.255 O.C.
B - 3	 DISCONT. END	BUNDLE OF 2'S 10MM 1 @ 0.055 16 @ 0.135 7 @ 0.180 REST @ 0.255 O.C.	10MM 1 @ 0.055 20 @ 0.110 8 @ 0.150 5 @ 0.220 REST @ 0.255 O.C.
B - 4		10MM 1 @ 0.125 REST @ 0.255 O.C.	10MM 1 @ 0.125 REST @ 0.255 O.C.
B - 5		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
B- 5A		8MM 1 @ 0.125 REST @ 0.255 O.C.	8MM 1 @ 0.125 REST @ 0.255 O.C.

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
B - 6		10MM 1 @ 0.125 REST @ 0.255 O.C.	10MM 1 @ 0.125 REST @ 0.255 O.C.
B - 7		10MM 1 @ 0.125 REST @ 0.255 O.C.	10MM 1 @ 0.125 REST @ 0.255 O.C.
B - 8		10MM 1 @ 0.125 REST @ 0.255 O.C.	10MM 1 @ 0.125 REST @ 0.255 O.C.
B-14		8MM 1 @ 0.115 REST @ 0.230 O.C.	8MM 1 @ 0.115 REST @ 0.230 O.C.
RB - 8		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RB - 9		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RB - 10		10MM 1 @ 0.070 REST @ 0.150 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
RB - 11		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RB - 11A		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RB - 12		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RB - 13		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RB - 14		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RB - 16		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.
RB - 17		10MM 1 @ 0.150 REST @ 0.300 O.C.	10MM 1 @ 0.150 REST @ 0.300 O.C.

SCHEDULE OF BEAM DETAILS

SCALE: 1:50M

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PREPARED BY:
ENGR. CARLITO P. TALABOC, Ph.D.
CIVIL/STRUCTURAL ENGINEER
PRC REG. NO. 19889 PTR NO. 6016938
TIN: 182 435 160 DATE ISSUED: 01-08-2015

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

APPROVED :
ATTY. JONATHAN S. OCHE
DIRECTOR - ADMINISTRATION

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL - SCHEDULE OF BEAM DETAILS
SHEET CONTENTS
SHEET NO. S22 S19

19
198

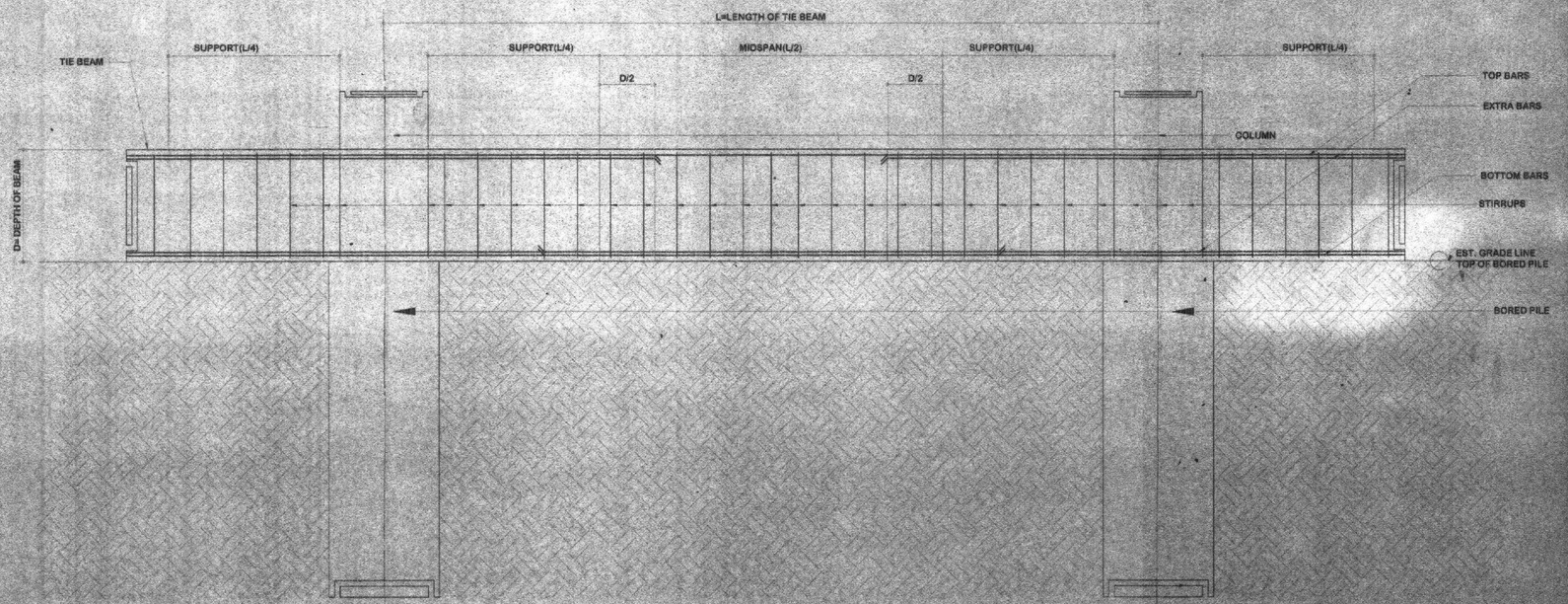
MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
TB - 22	0.325 / 8- 25MM / 1.00 / 8- 25MM — SUPPORT; 0.325 / 4- 25MM / 1.00 / 4- 25MM — MIDSPAN; 0.325 / 8- 25MM / 1.00 / 8- 25MM — SUPPORT	10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 23	0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT	10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 24	0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 8- 25MM / 1.00 / 8- 25MM — SUPPORT	10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 25	0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT	10MM 1@0.055 REST @ 0.110 O.C.	10MM SAME
TB - 26	0.325 / 12- 25MM / 1.00 / 12- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 12- 25MM / 1.00 / 12- 25MM — SUPPORT	10MM 1@0.050 REST @ 0.100 O.C.	10MM SAME
TB - 27	0.325 / 12- 25MM / 1.00 / 12- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 12- 25MM / 1.00 / 12- 25MM — SUPPORT	10MM 1@0.150 REST @ 0.300 O.C.	10MM 1@0.160 REST @ 0.300 O.C.
TB - 28	0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 8- 25MM / 1.00 / 8- 25MM — SUPPORT	10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
TB - 29	0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT	10MM 1@0.065 REST @ 0.135 O.C.	10MM SAME
TB - 30	0.325 / 12- 25MM / 1.00 / 12- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 8- 25MM — MIDSPAN; 0.325 / 12- 25MM / 1.00 / 12- 25MM — SUPPORT	10MM 1@0.08 REST @ 0.165 O.C.	10MM SAME
TB - 31	0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 8- 25MM / 1.00 / 8- 25MM — SUPPORT	10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
TB - 32	0.325 / 12- 25MM / 1.00 / 12- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 12- 25MM / 1.00 / 12- 25MM — SUPPORT	10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 33	0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 10- 25MM / 1.00 / 10- 25MM — SUPPORT	10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 34	0.325 / 12- 25MM / 1.00 / 12- 25MM — SUPPORT; 0.325 / 6- 25MM / 1.00 / 6- 25MM — MIDSPAN; 0.325 / 12- 25MM / 1.00 / 12- 25MM — SUPPORT	10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME

SCHEDULE OF TIE BEAMS DETAILS

SCALE: 1:30M



TYPICAL TIE BEAM SECTION DETAIL

SCALE: 1:30M

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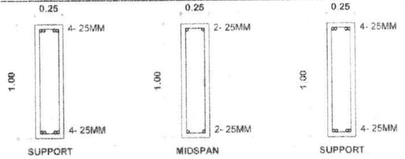
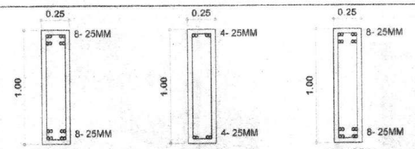
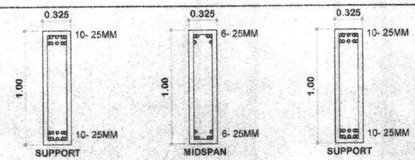
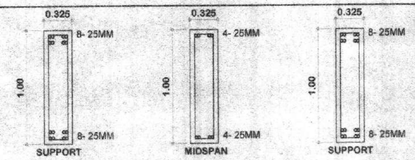
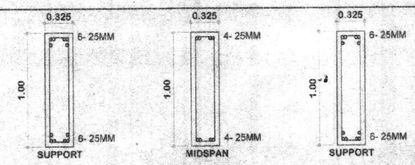
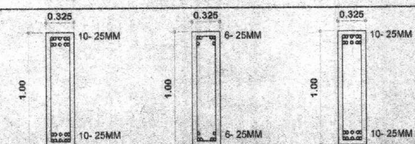
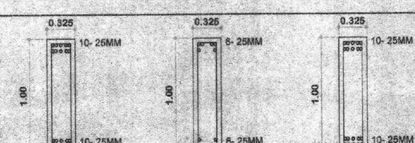
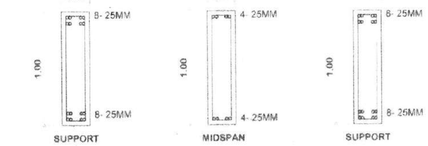
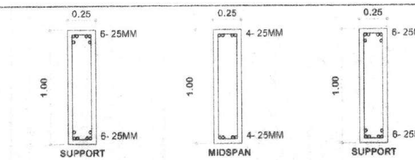
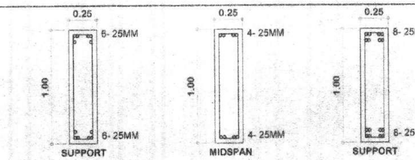
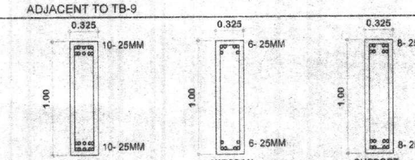
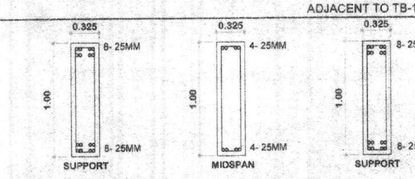
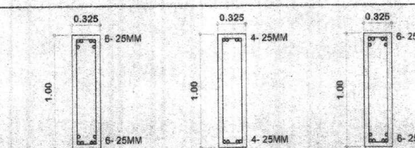
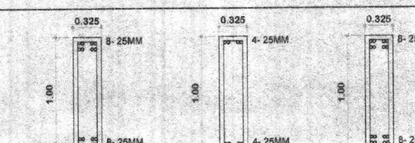
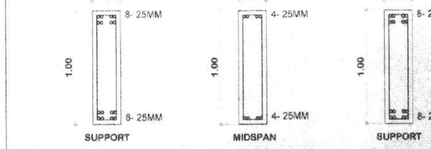
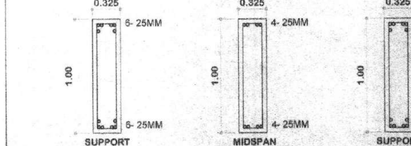
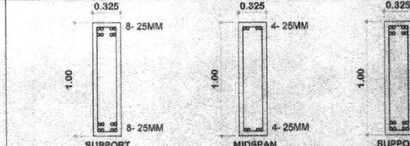
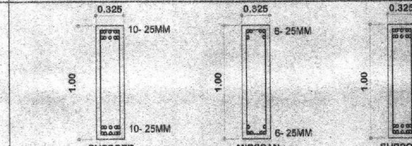
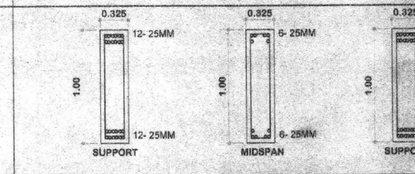
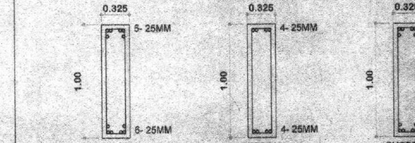
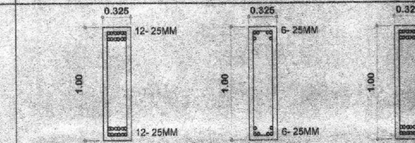
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS :
- SCHEDULE OF TIE BEAMS DETAILS
- TYPICAL TIE BEAM SECTION DETAIL

SHEET NO. S21 / S49 / 178 / 198

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
TB - 1		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 2		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 3		10MM 1@0.055 REST @ 0.1100 O.C.	10MM SAME
TB - 4		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 5		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 6		10MM 1@0.065 REST @ 0.135 O.C.	10MM SAME
TB - 7		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
TB - 8		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 9		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 10		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 11		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 12		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 13		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 14		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME

MARK	BEAM SECTIONS	STIRRUPS LEFT	STIRRUPS RIGHT
TB - 15		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 16		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 17		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 18		10MM 1@0.045 REST @ 0.095 O.C.	10MM SAME
TB - 19		10MM 1@0.085 REST @ 0.175 O.C.	10MM SAME
TB - 20		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME
TB - 21		10MM 1@0.150 REST @ 0.300 O.C.	10MM SAME

SCHEDULE OF TIE BEAM DETAILS

SCALE: 1:30M

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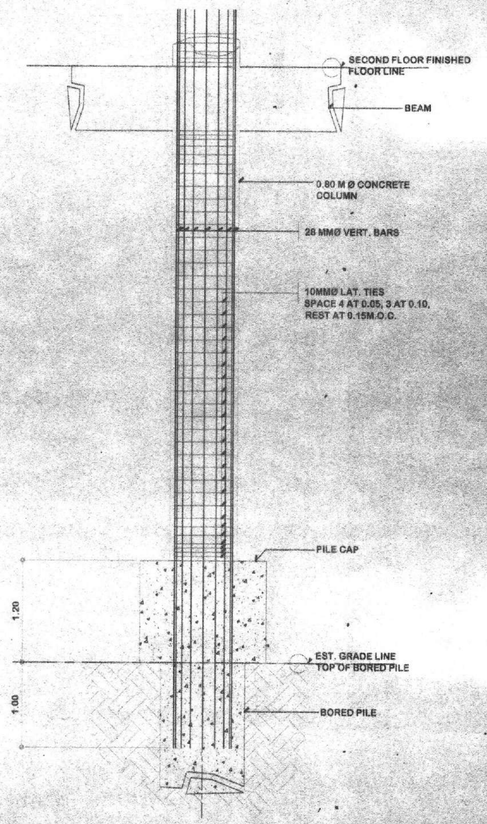
SHEET TITLE: STRUCTURAL
SHEET CONTENTS :
- SCHEDULE OF TIE BEAMS DETAILS

SHEET NO. S20
S49
47
49

MARK	SECTIONS	TIES
R C-25 8th	0.75 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-25 7th	0.75 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-25 6th	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-25 5th	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-25 4th	0.80 24- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-25 3rd	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-25 2nd	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-25 G	0.80 32- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-26 8th	0.75 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-26 7th	0.75 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-26 6th	0.80 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-26 5th	0.80 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-26 4th	0.80 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-26 3rd	0.80 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-26 2nd	0.80 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-26 G	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

SCHEDULE OF COLUMNS
SCALE: 1:30M



COLUMN SECTION
SCALE: 1:40M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PREPARED BY:
ENGR. CARLITO P. TALABOC, Ph.D.
CIVIL/STRUCTURAL ENGINEER
PRC REG. NO. 10 889 | PTR NO. 6016938
TIN: 182 435 180 | DATE ISSUED: 01-08-2015

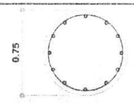
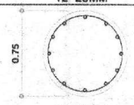
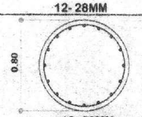
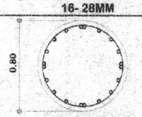
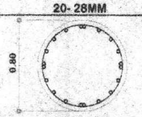
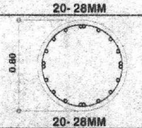
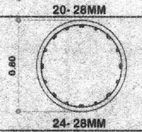
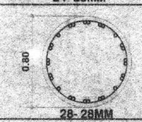
PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

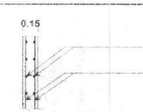
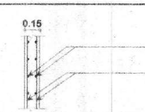
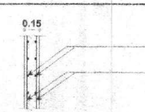
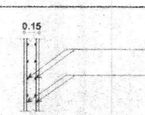
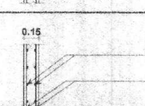
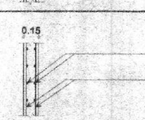
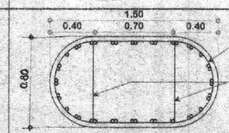
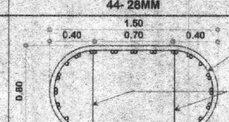
APPROVED:
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION
DR. RICARDO E. ROTORAS
MUST PRESIDENT

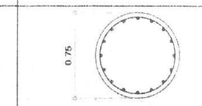
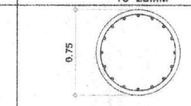
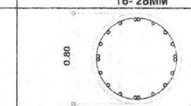
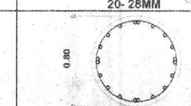
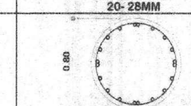
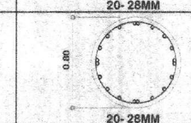
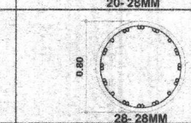
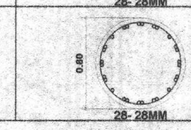
SHEET TITLE: STRUCTURAL
SHEET CONTENTS:
- SCHEDULE OF COLUMN DETAILS
- COLUMN SECTION

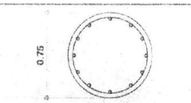
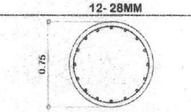
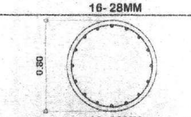
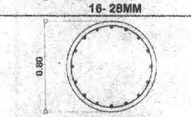
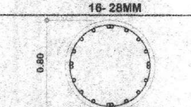
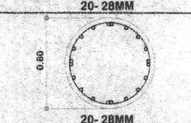
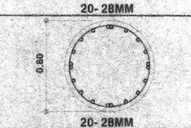
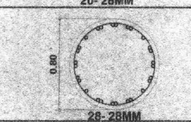
SHEET NO. S19 S99

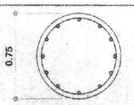
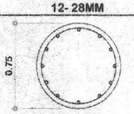
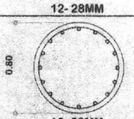
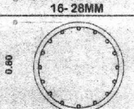
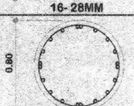
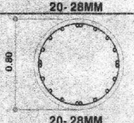
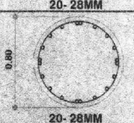
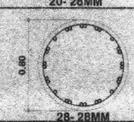
76
198

MARK	SECTIONS	TIES
R C-20 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-20 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-20 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-20 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-20 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-20 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-20 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-20 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-21 8th		12 MM VERTICAL BARS @ 0.225 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-21 7th		12 MM VERTICAL BARS @ 0.225 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-21 6th		12 MM VERTICAL BARS @ 0.225 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-21 5th		12 MM VERTICAL BARS @ 0.225 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-21 4th		12 MM VERTICAL BARS @ 0.150 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-21 3rd		12 MM VERTICAL BARS @ 0.150 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-21 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C 10 MM TIES @ 0.300 O.C
C-21 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C 10 MM TIES @ 0.300 O.C

MARK	SECTIONS	TIES
R C-22 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-22 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-22 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-22 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-22 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-22 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-22 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-22 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-23 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-23 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-23 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-23 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-23 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-23 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-23 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-23 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-24 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-24 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-24 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-24 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-24 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-24 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-24 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-24 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

SCHEDULE OF COLUMNS

SCALE: 1:50M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PREPARED BY:

ENGR. CARLITO P. TALABOC, Ph.D.
CIVIL/STRUCTURAL ENGINEER
PRC REG. NO. 19 889 | PTR NO. 6016938
TIN: 182 435 160 | DATE ISSUED: 01-05-2015

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

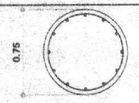
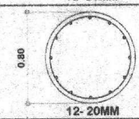
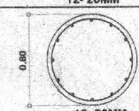
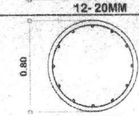
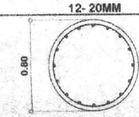
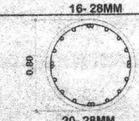
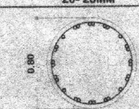
APPROVED :

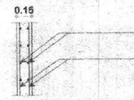
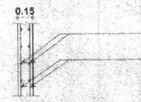
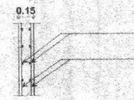
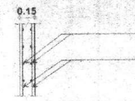
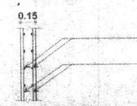
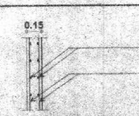
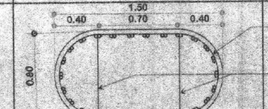
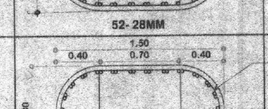
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

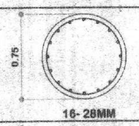
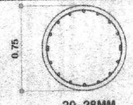
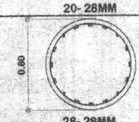
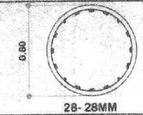
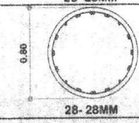
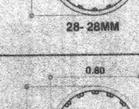
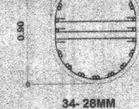
DR. RICARDO E. ROTORAS
MUST PRESIDENT

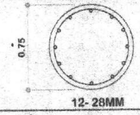
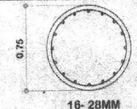
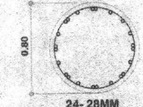
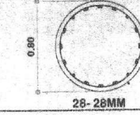
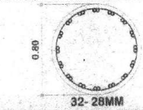
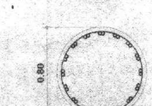
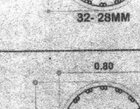
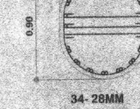
SHEET TITLE: STRUCTURAL
SHEET CONTENTS :
SCHEDULE OF COLUMN DETAILS

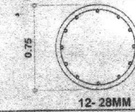
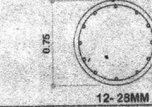
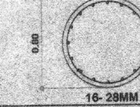
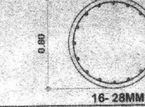
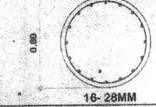
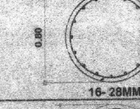
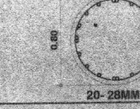
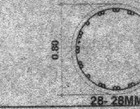
SHEET NO.
S18
S19
175
178

MARK	SECTIONS	TIES
8th C-15 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-15 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-15 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-15 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-15 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-15 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-15 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-16 8th		12 MM VERTICAL BARS @ 0.225 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-16 7th		12 MM VERTICAL BARS @ 0.225 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-16 6th		12 MM VERTICAL BARS @ 0.225 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-16 5th		12 MM VERTICAL BARS @ 0.225 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-16 4th		12 MM VERTICAL BARS @ 0.150 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-16 3rd		12 MM VERTICAL BARS @ 0.150 O.C 10 MM HORIZONTAL BARS @ 0.300 O.C
C-16 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C 10 MM TIES @ 0.300 O.C
C-16 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C 10 MM TIES @ 0.300 O.C

MARK	SECTIONS	TIES
R C-17 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-17 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-17 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-17 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-17 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-17 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-17 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-17 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-18 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-18 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-18 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-18 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-18 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-18 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-18 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-18 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-19 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-19 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-19 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-19 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-19 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-19 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-19 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-19 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

SCHEDULE OF COLUMNS

SCALE: 1:30M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PREPARED BY:

ENGR. CARLITO P. TALABOC, Ph.D.
CIVIL/STRUCTURAL ENGINEER

PRC REG. NO. 10 880 | PTR NO. 6016938
TIN: 182 435 160 | DATE ISSUED: 01-06-2015

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LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
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APPROVED:

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DIRECTOR, ADMINISTRATION

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS:
SCHEDULE OF COLUMN DETAILS

SHEET NO.
S/M
S49

74
198

MARK	SECTIONS	TIES
R C-10 8th	0.75 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-10 7th	0.75 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-10 6th	0.80 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-10 5th	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-10 4th	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-10 3rd	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-10 2nd	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-10 G	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-11 8th	0.75 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-11 7th	0.75 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-11 6th	0.80 12- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-11 5th	0.80 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-11 4th	0.80 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-11 3rd	0.80 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-11 2nd	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-11 G	0.80 24- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-12 8th	0.75 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-12 7th	0.75 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-12 6th	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-12 5th	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-12 4th	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-12 3rd	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-12 2nd	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-12 G	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-13 8th	0.75 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-13 7th	0.80 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-13 6th	0.80 20- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-13 5th	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-13 4th	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-13 3rd	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-13 2nd	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-13 G	0.80 28- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R PC-14 8th	0.75 16- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-14 7th	0.75 20- 20MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-14 6th	0.80 20- 20MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-14 5th	0.80 20- 20MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-14 4th	0.80 24- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-14 3rd	0.80 24- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-14 2nd	0.80 32- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-14 G	0.80 32- 28MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
PC- 13	0.80 0.25 0.30 0.25 0.50 16- 25MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C 10MM TIES @ 0.300 O.C.
PC- 14	0.80 0.25 0.30 0.25 0.50 16- 25MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C 10MM TIES @ 0.300 O.C.
PC- 15	0.80 0.25 0.30 0.25 0.60 16- 25MM	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C 10MM TIES @ 0.300 O.C.

SCHEDULE OF COLUMNS

SCALE: 1:30M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PREPARED BY:

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CIVIL/STRUCTURAL ENGINEER
PRC REG. NO. 10 689 PTR NO. 6016938
TIN: 182 435 160 DATE ISSUED: 01-08-2015

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPABAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

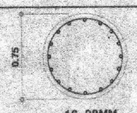
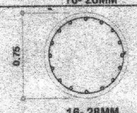
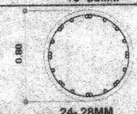
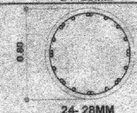
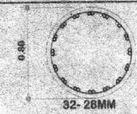
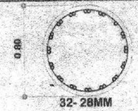
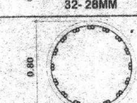
APPROVED:

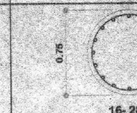
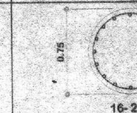
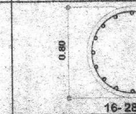
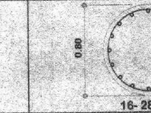
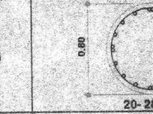
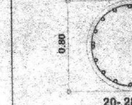
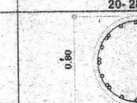
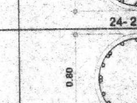
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

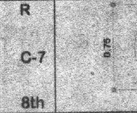
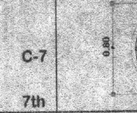
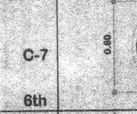
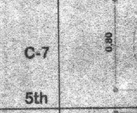
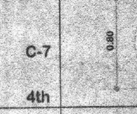
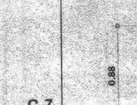
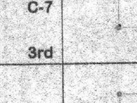
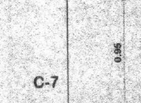
DR. RICARDO E. ROTORAS
MUST PRESIDENT

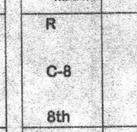
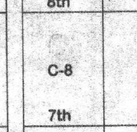
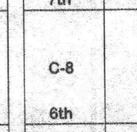
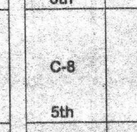
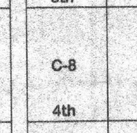
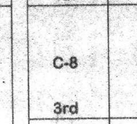
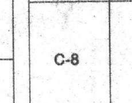
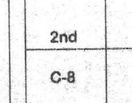
SHEET TITLE: STRUCTURAL
SHEET CONTENTS:
- SCHEDULE OF COLUMNS DETAILS

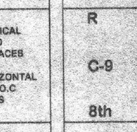
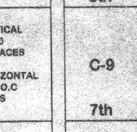
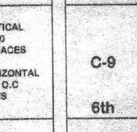
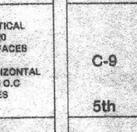
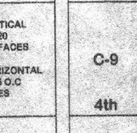
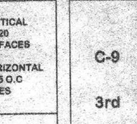
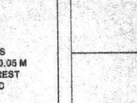
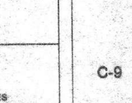
SHEET NO. S16
73
198

MARK	SECTIONS	TIES
R C-5 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-5 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-5 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-5 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-5 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-5 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-5 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-5 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-6 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-6 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-6 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-6 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-6 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-6 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-6 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-6 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-7 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-7 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-7 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-7 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-7 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-7 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-7 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-7 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-8 8th		12 MM VERTICAL BARS @ 0.20 O.C BOTH FACES 10 MM HORIZONTAL BAR @ 0.25 O.C BOTH FACES
C-8 7th		12 MM VERTICAL BARS @ 0.20 O.C BOTH FACES 10 MM HORIZONTAL BAR @ 0.25 O.C BOTH FACES
C-8 6th		12 MM VERTICAL BARS @ 0.20 O.C BOTH FACES 10 MM HORIZONTAL BAR @ 0.25 O.C BOTH FACES
C-8 5th		12 MM VERTICAL BARS @ 0.20 O.C BOTH FACES 10 MM HORIZONTAL BAR @ 0.25 O.C BOTH FACES
C-8 4th		12 MM VERTICAL BARS @ 0.20 O.C BOTH FACES 10 MM HORIZONTAL BAR @ 0.25 O.C BOTH FACES
C-8 3rd		12 MM VERTICAL BARS @ 0.20 O.C BOTH FACES 10 MM HORIZONTAL BAR @ 0.25 O.C BOTH FACES
C-8 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-8 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

MARK	SECTIONS	TIES
R C-9 8th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-9 7th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-9 6th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-9 5th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-9 4th		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-9 3rd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-9 2nd		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
C-9 G		10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C

SCHEDULE OF COLUMNS

SCALE: 1:50M

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PREPARED BY:

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CIVIL/STRUCTURAL ENGINEER

PRC REG. NO. 19 889 | PTR NO. 6016936
TIN: 182 435 160 | DATE ISSUED: 01-08-2015

PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

APPROVED:

ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS:
- SCHEDULE OF COLUMNS DETAILS

SHEET NO.
S15
72
198

MARK	SECTIONS	TIES
R		
C-1	0.55	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
8th	8- 28MM	
C-1	0.55	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
7th	8- 28MM	
C-1	0.60	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
6th	12- 28MM	
C-1	0.60	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
5th	12- 28MM	
C-1	0.60	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
4th	12- 28MM	
C-1	0.60	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
3rd	12- 28MM	
C-1	0.60	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
2nd	16- 28MM	
C-1	0.60	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
G	16- 28MM	

MARK	SECTIONS	TIES
R		
C-2	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
8th	16- 28MM	
C-2	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
7th	16- 28MM	
C-2	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
6th	16- 28MM	
C-2	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
5th	16- 28MM	
C-2	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
4th	16- 28MM	
C-2	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
3rd	16- 28MM	
C-2	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
2nd	20- 28MM	
C-2	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
G	28- 28MM	

MARK	SECTIONS	TIES
R		
C-3	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
8th	16- 28MM	
C-3	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
7th	16- 28MM	
C-3	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
6th	16- 28MM	
C-3	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
5th	20- 28MM	
C-3	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
4th	20- 28MM	
C-3	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
3rd	20- 28MM	
C-3	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
2nd	28- 28MM	
C-3	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
G	32- 28MM	

MARK	SECTIONS	TIES
R		
C-4	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
8th	16- 28MM	
C-4	0.75	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
7th	20- 28MM	
C-4	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
6th	24- 28MM	
C-4	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
5th	32- 28MM	
C-4	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
4th	32- 28MM	
C-4	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
3rd	32- 28MM	
C-4	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
2nd	32- 28MM	
C-4	0.80	10 MM Ø TIES SPACE 4 @ 0.05 M 3 @ 0.10 M REST @ 0.15 M O.C
G	32- 28MM	

SCHEDULE OF COLUMNS

SCALE: 1:30M

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PRC REG. NO. 10 889 | PTR NO. 6016936
TIN: 182 435 160 | DATE ISSUED: 01-08-2015

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APPROVED :

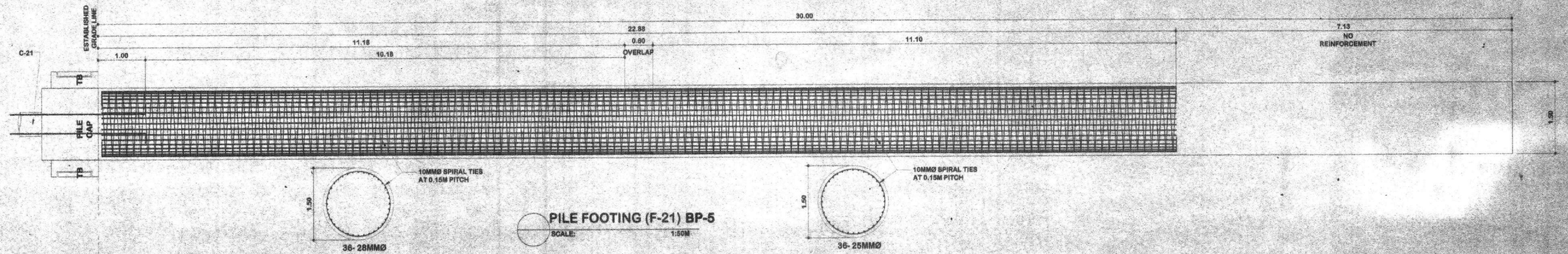
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS :
- SCHEDULE OF COLUMNS
DETAILS

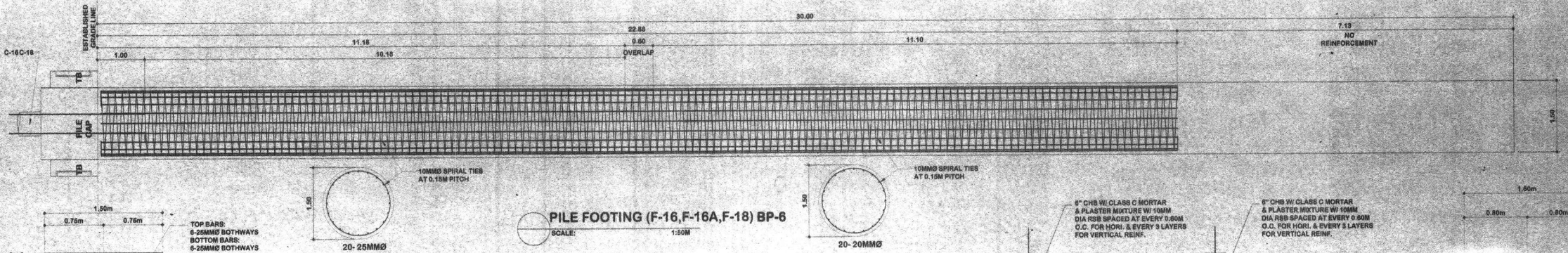
SHEET NO
S14
S49

77
198



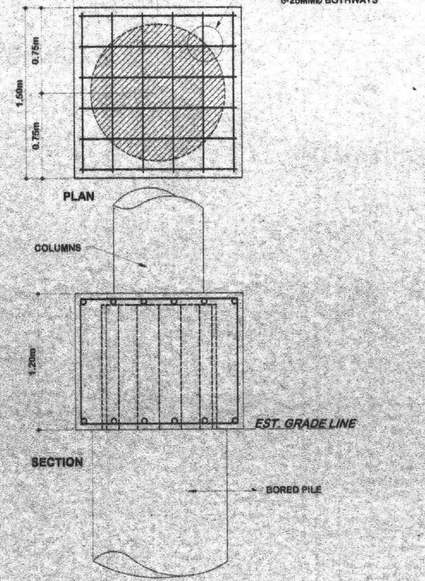
PILE FOOTING (F-21) BP-5

SCALE: 1:50M



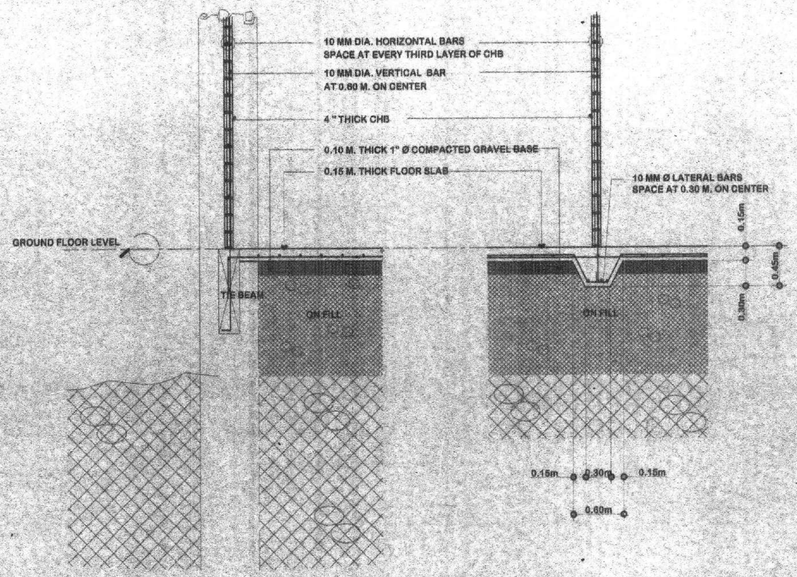
PILE FOOTING (F-16,F-16A,F-18) BP-6

SCALE: 1:50M



TYPICAL PILE CAP DETAIL

SCALE 1:30M

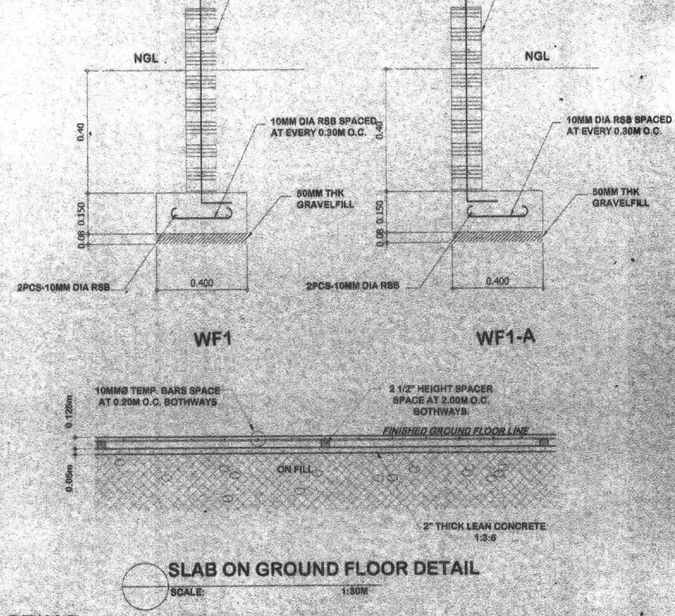


WALL ON TIE BEAM

SCALE 1:40 M

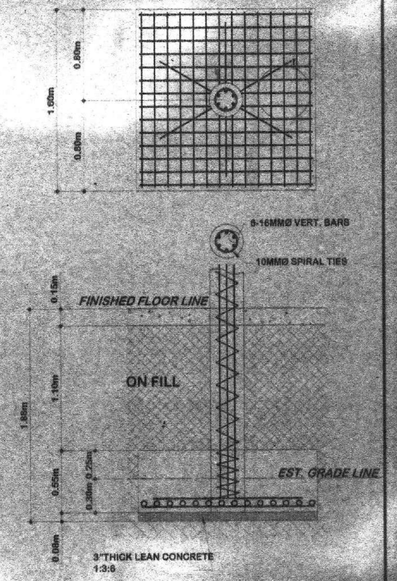
INTERIOR WALL FOOTING

SCALE 1:40 M



SLAB ON GROUND FLOOR DETAIL

SCALE: 1:30M



C-1A,F-1A

SCALE : 1:30M

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PREPARED BY:

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PRC NO. : 10 889 | PTR NO. : 6018938
TIN NO. : 182 435 180 | DATE ISSUED:01-05-15

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

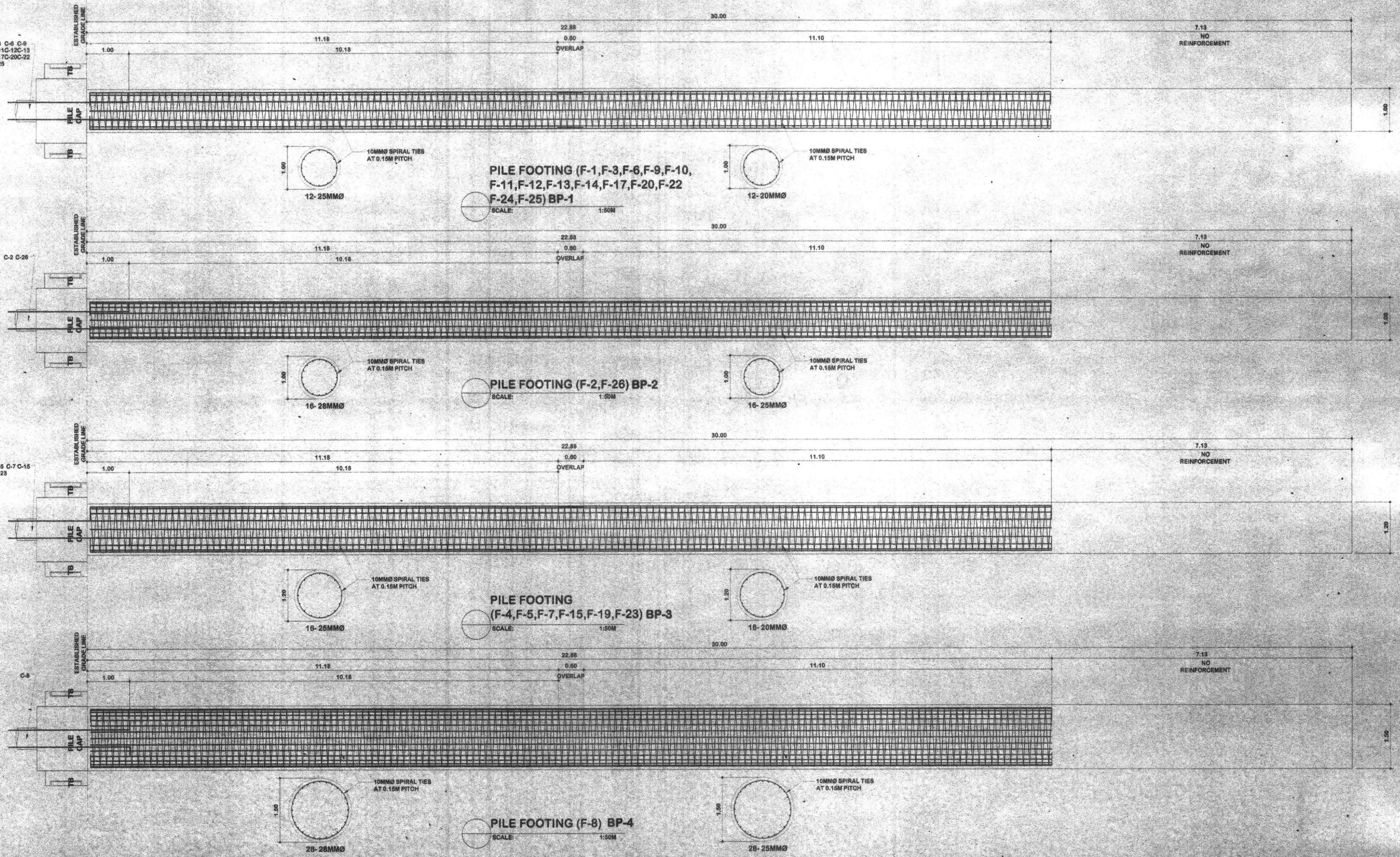
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL :
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS :

SHEET NO.
S13
S49
10
198



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Web Site :www.mpsc.com.edu

PREPARED BY:

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STRUCTURAL ENGINEER

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

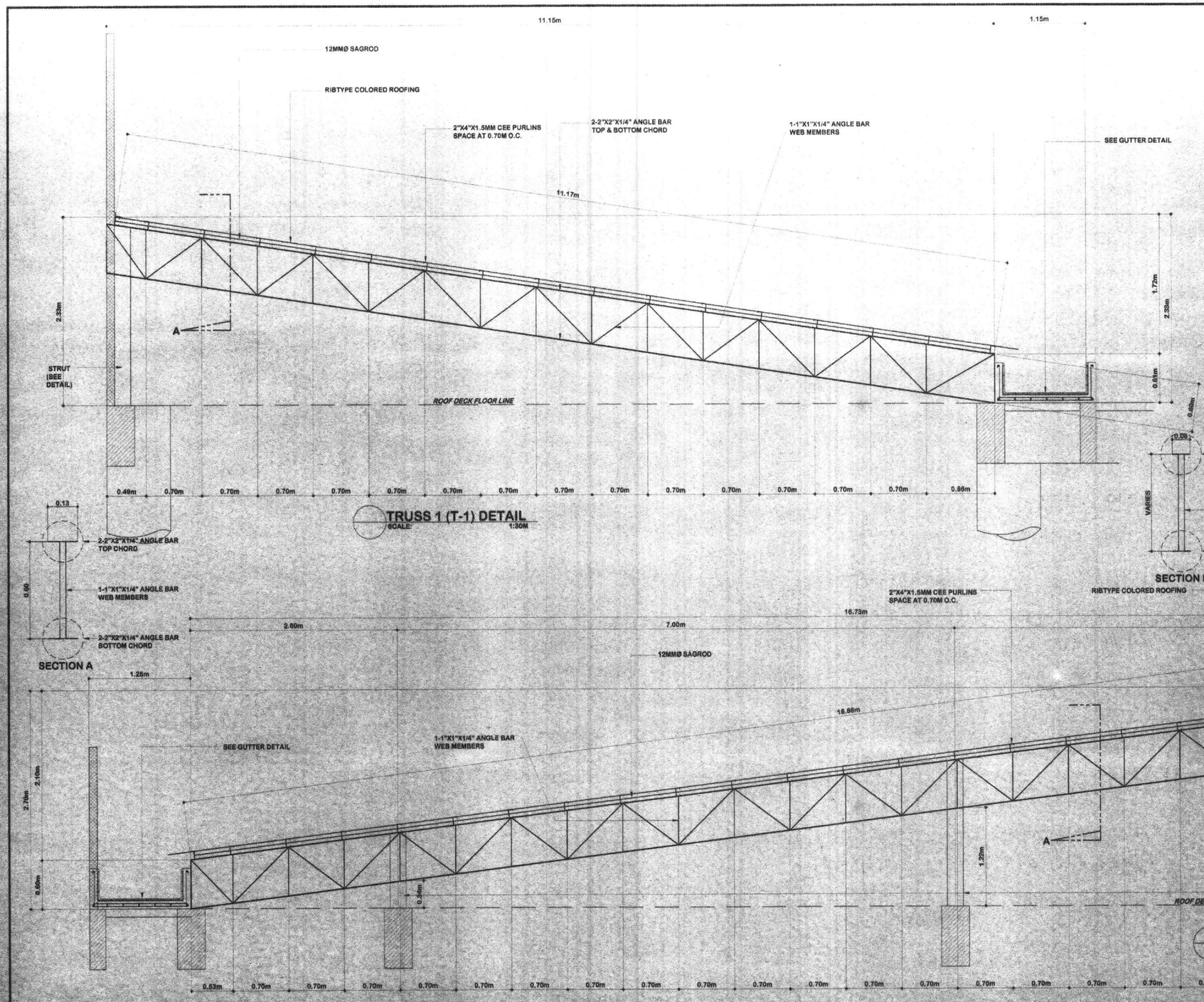
PRO NO. : 10 889	PTR NO. : 8016938	LOCATION:	C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
TIN NO. : 182 435 160	DATE ISSUED:01-05-15	OWNER :	MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS :

SHEET NO.
S12
S49
69
198



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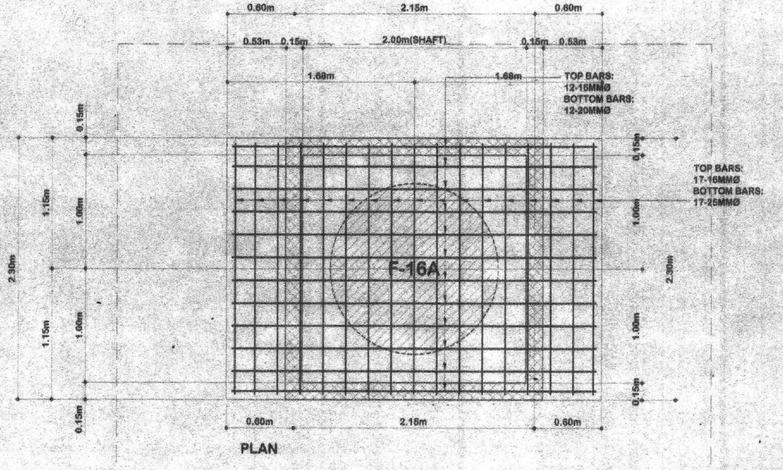
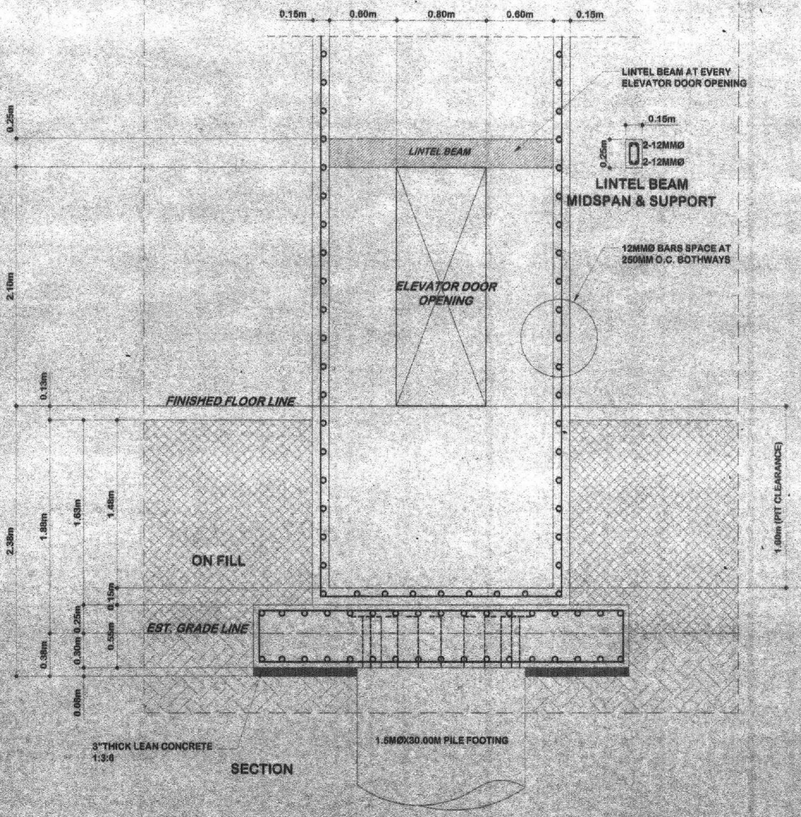
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS:

SHEET NO.
S11
S49
68
198



PLAN



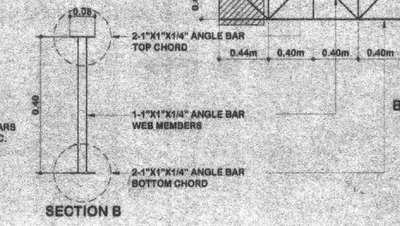
SECTION

TYPICAL ELEVATOR PIT FOUNDATION DETAIL

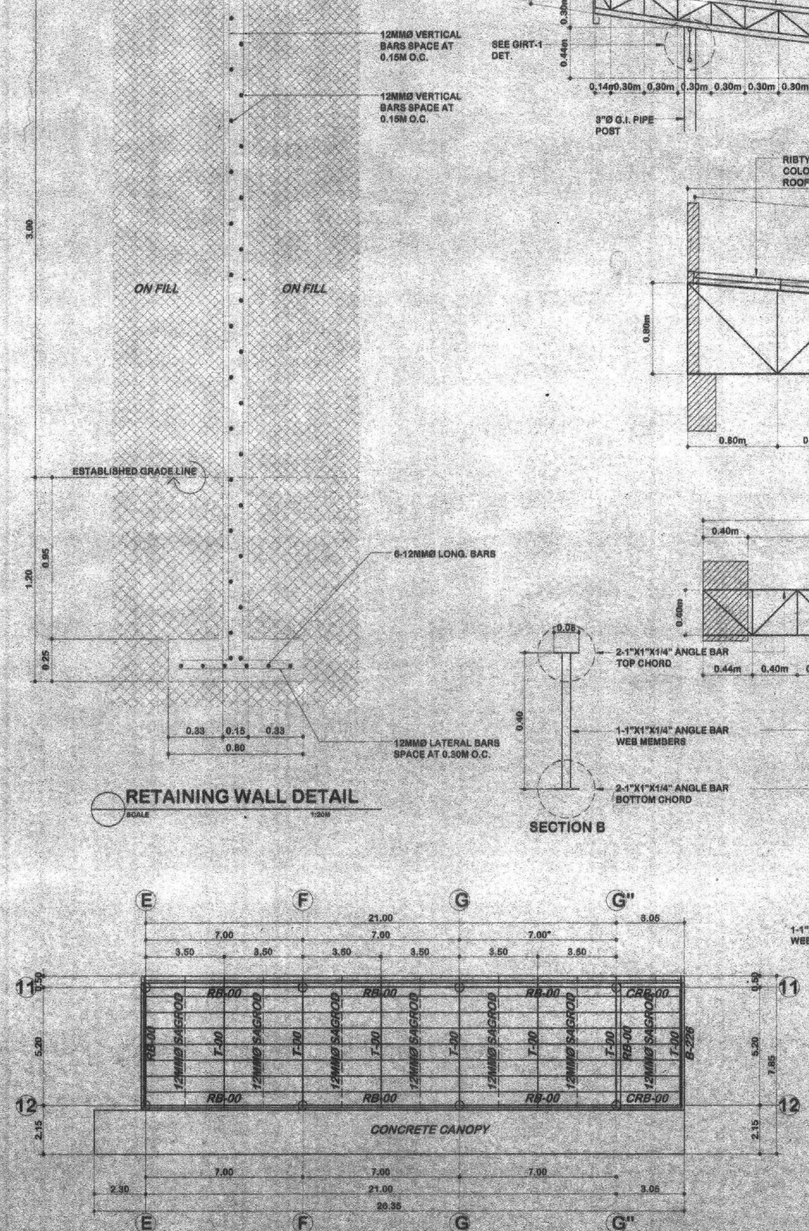
SCALE 1:30M

RETAINING WALL DETAIL

SCALE 1:30M

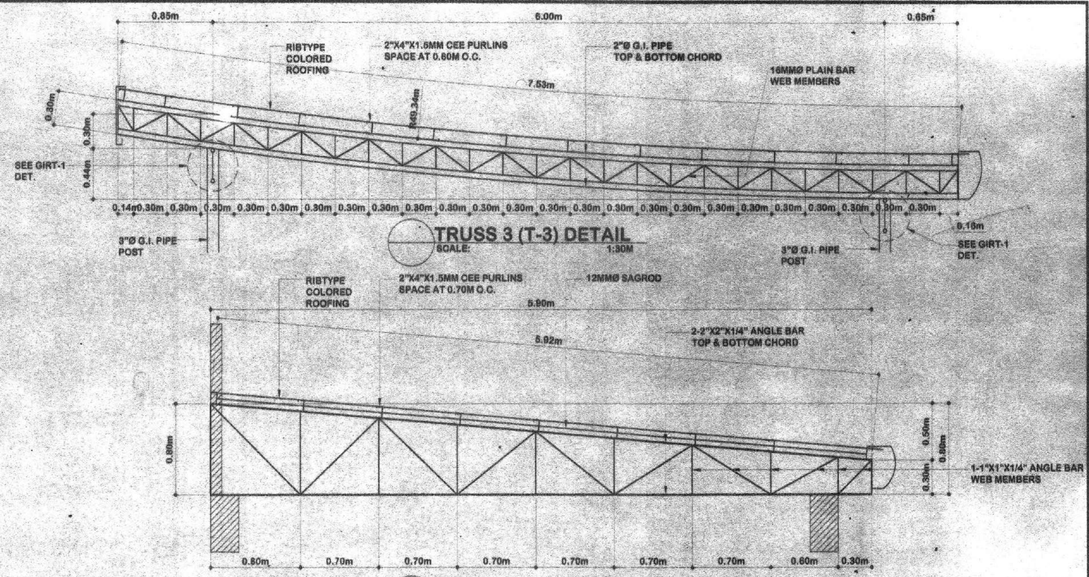


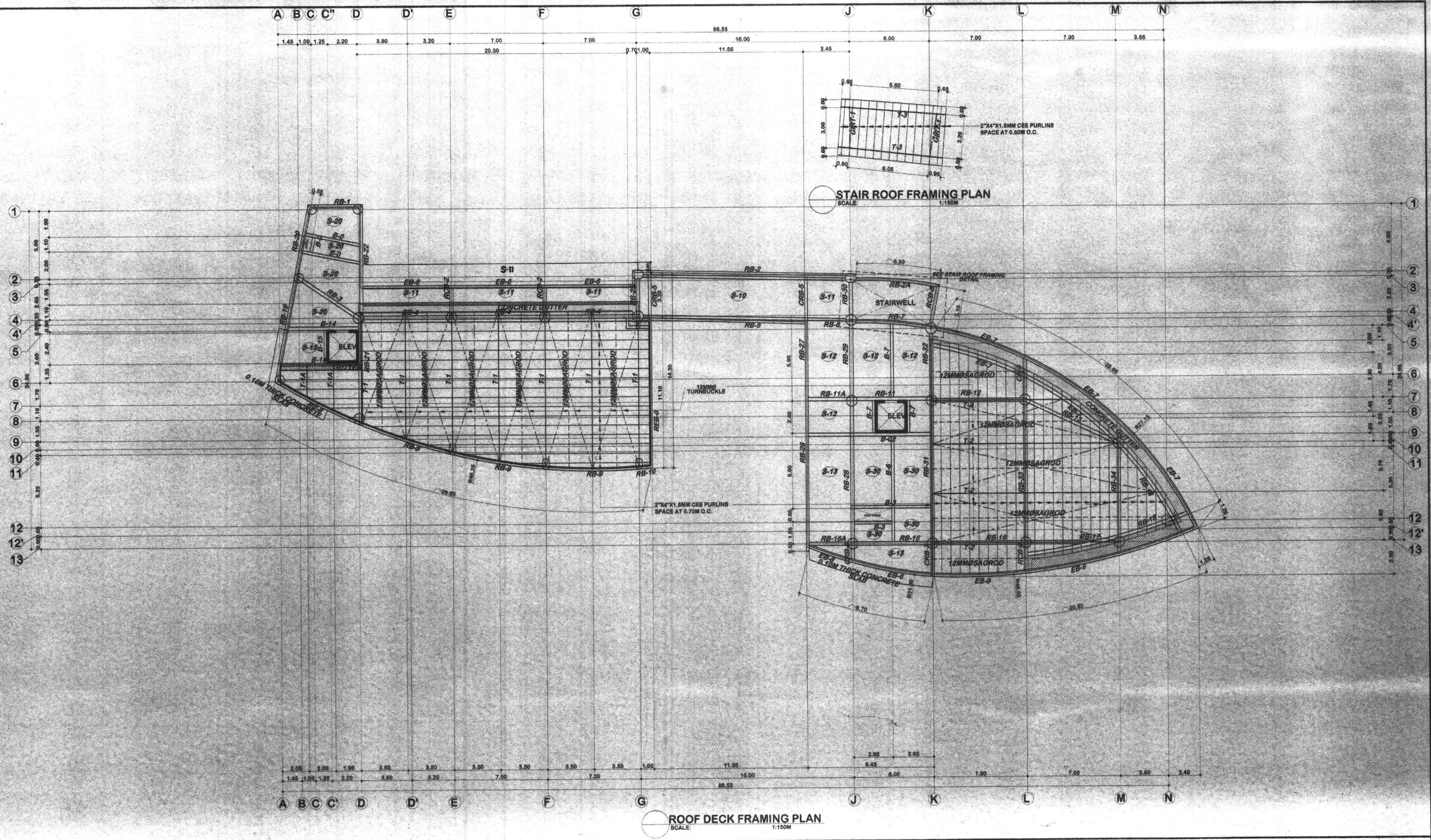
SECTION B



COMMERCIAL ROOF FRAMING

SCALE: 1:150M


0.85m
6.00m
0.65m
RIBTYPE
COLORED
ROOFING
2"X4"X1.6MM CEE PURLINS
SPACE AT 0.60M O.C.
2"Ø G.I. PIPE
TOP & BOTTOM CHORD
16MMØ PLAIN BAR
WEB MEMBERS
7.53m
RISE 3.4m
0.30m
0.30m
0.44m
SEE GIRT-1
DET.
0.14m
0.30m
0.30m
0.30



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TIN NO. : 182 435 160 | DATE ISSUED:01-05-15

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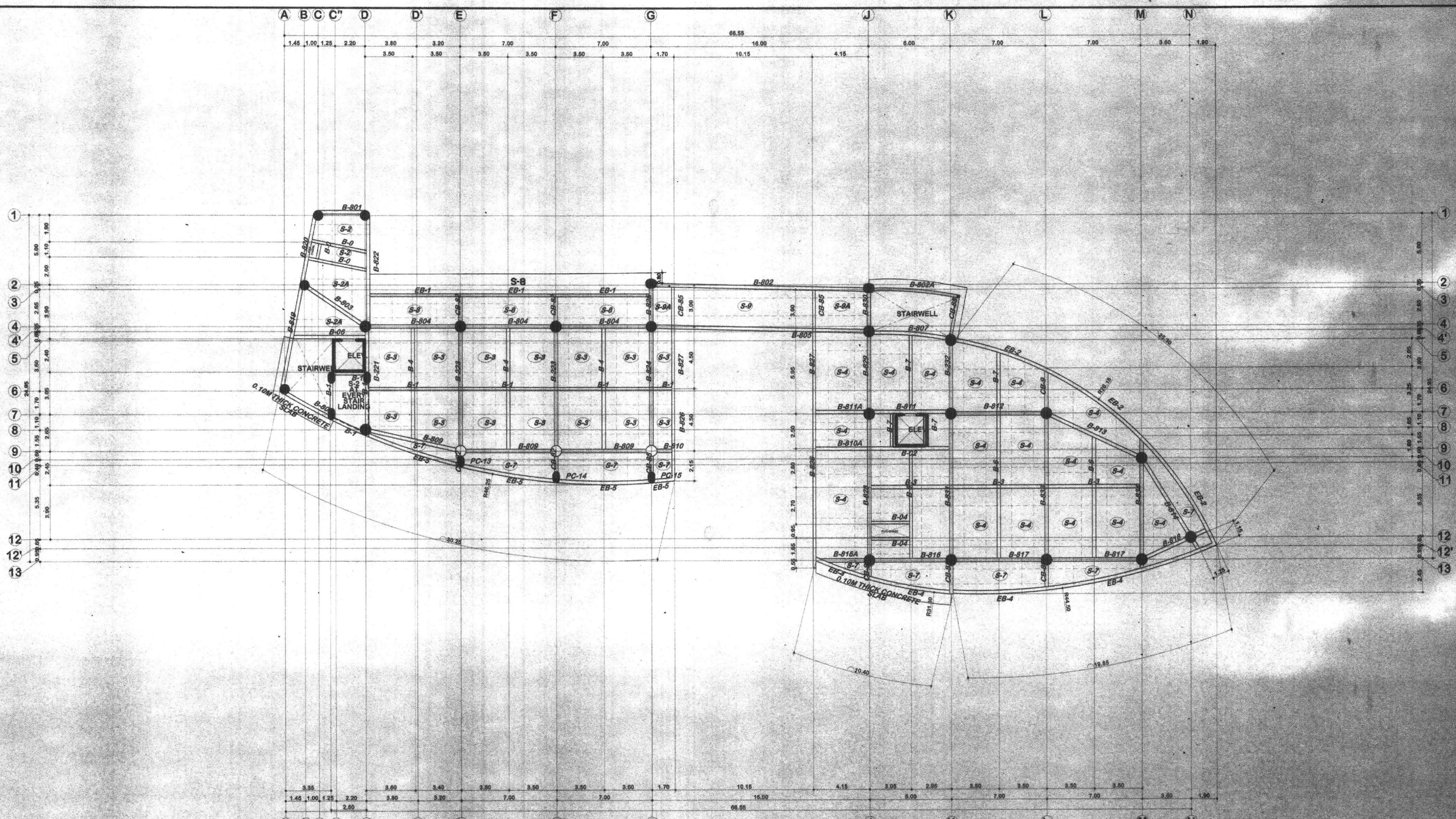
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS :

SHEET NO. S9 / S49 / 66 / 198



EIGHT FLOOR FRAMING PLAN

SCALE: 1:150M

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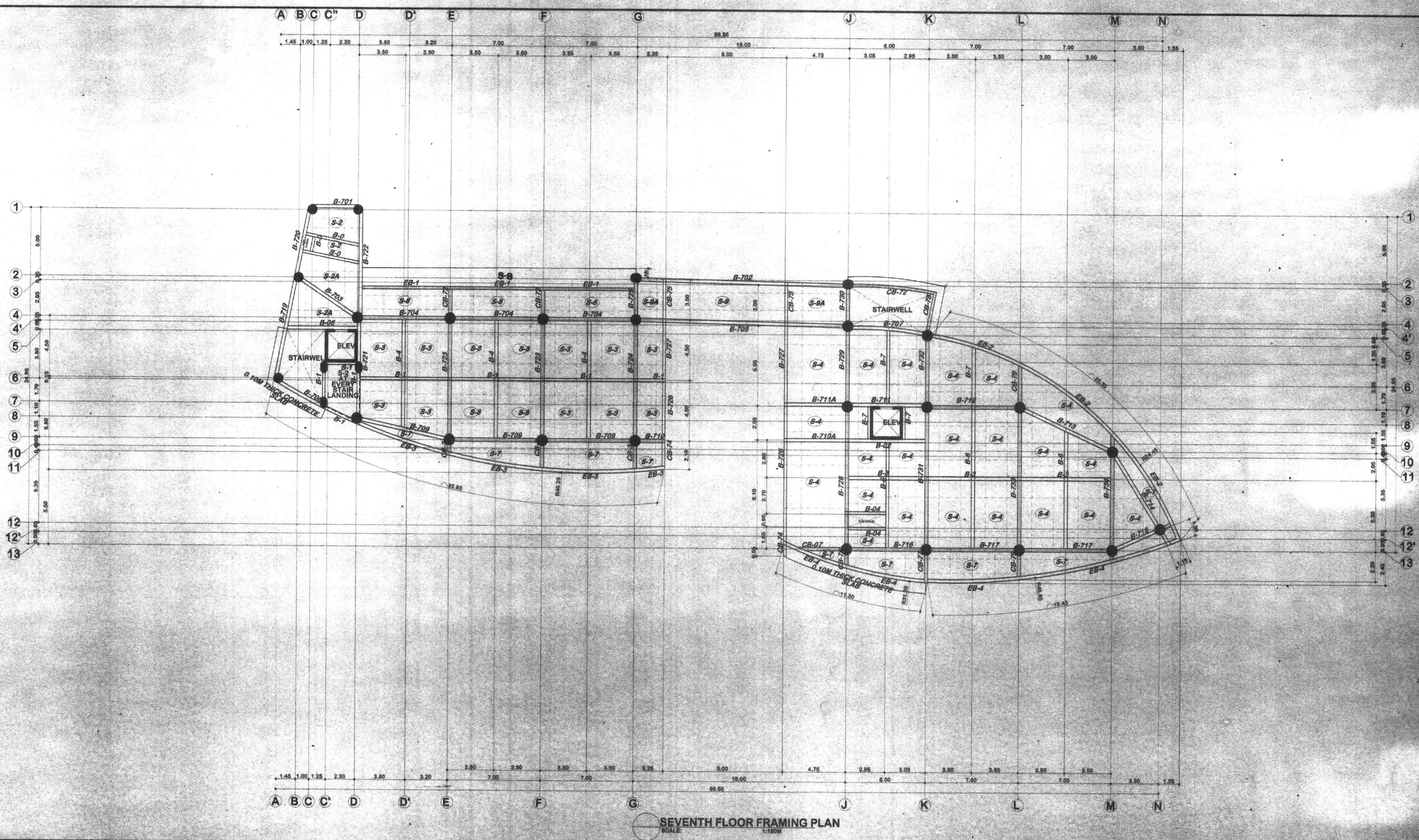
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS :

SHEET NO.
S8
S49

65
196



SEVENTH FLOOR FRAMING PLAN

SCALE: 1:150M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
Tel. Nos. (08822) 72-60-65 / (088) 856-1738 / 856-1730 Tele Fax (088) 856-4096
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PREPARED BY:

ENGR. CARLITO P. TALABOC, Ph.D.
STRUCTURAL ENGINEER

PRC NO. : 10 889 | PTR NO. : 6016938
TIN NO. : 102 435 160 | DATE ISSUED: 01-05-15

PROJECT : **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

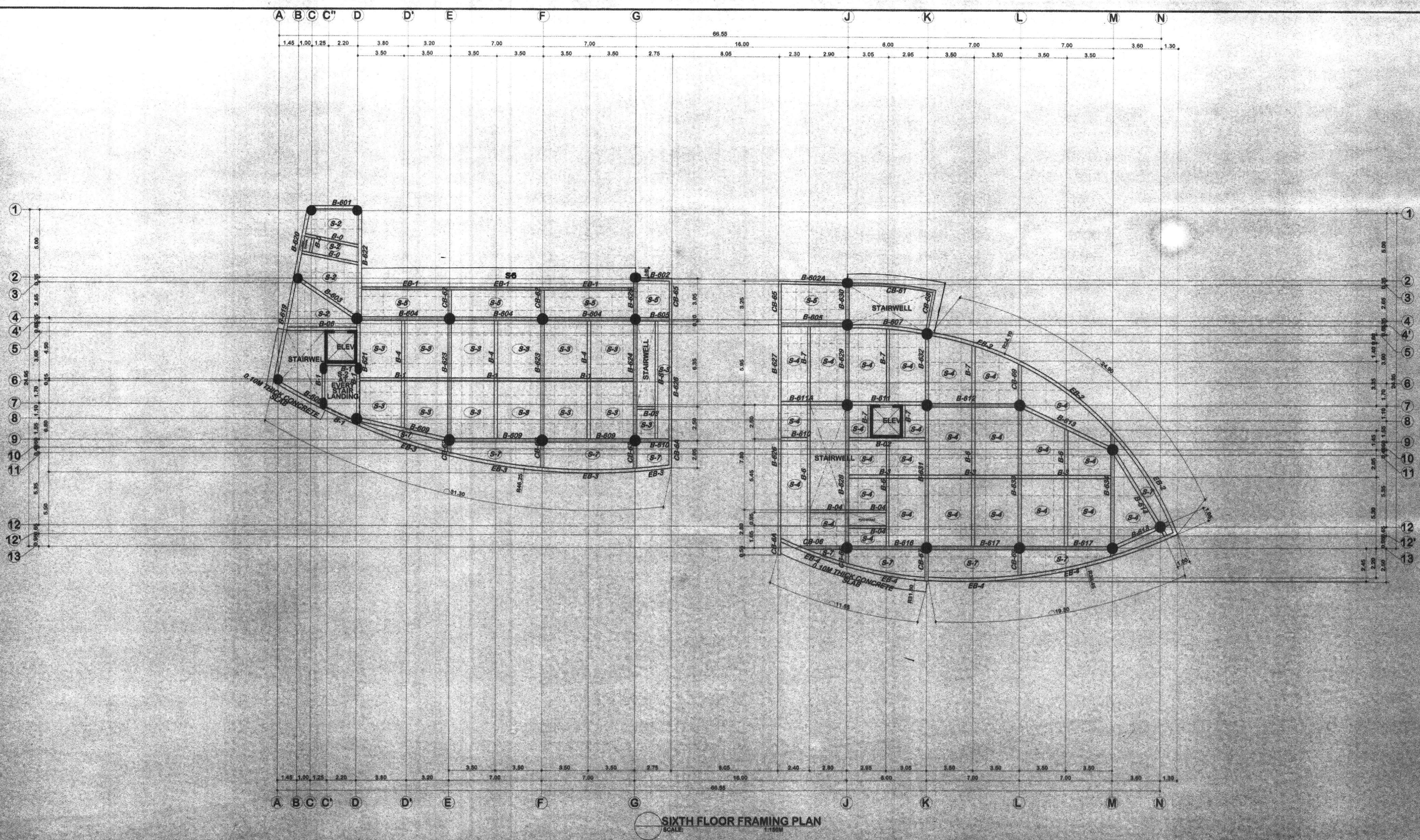
LOCATION : C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL :
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS :

SHEET NO. S7 / 549 / 64 / 198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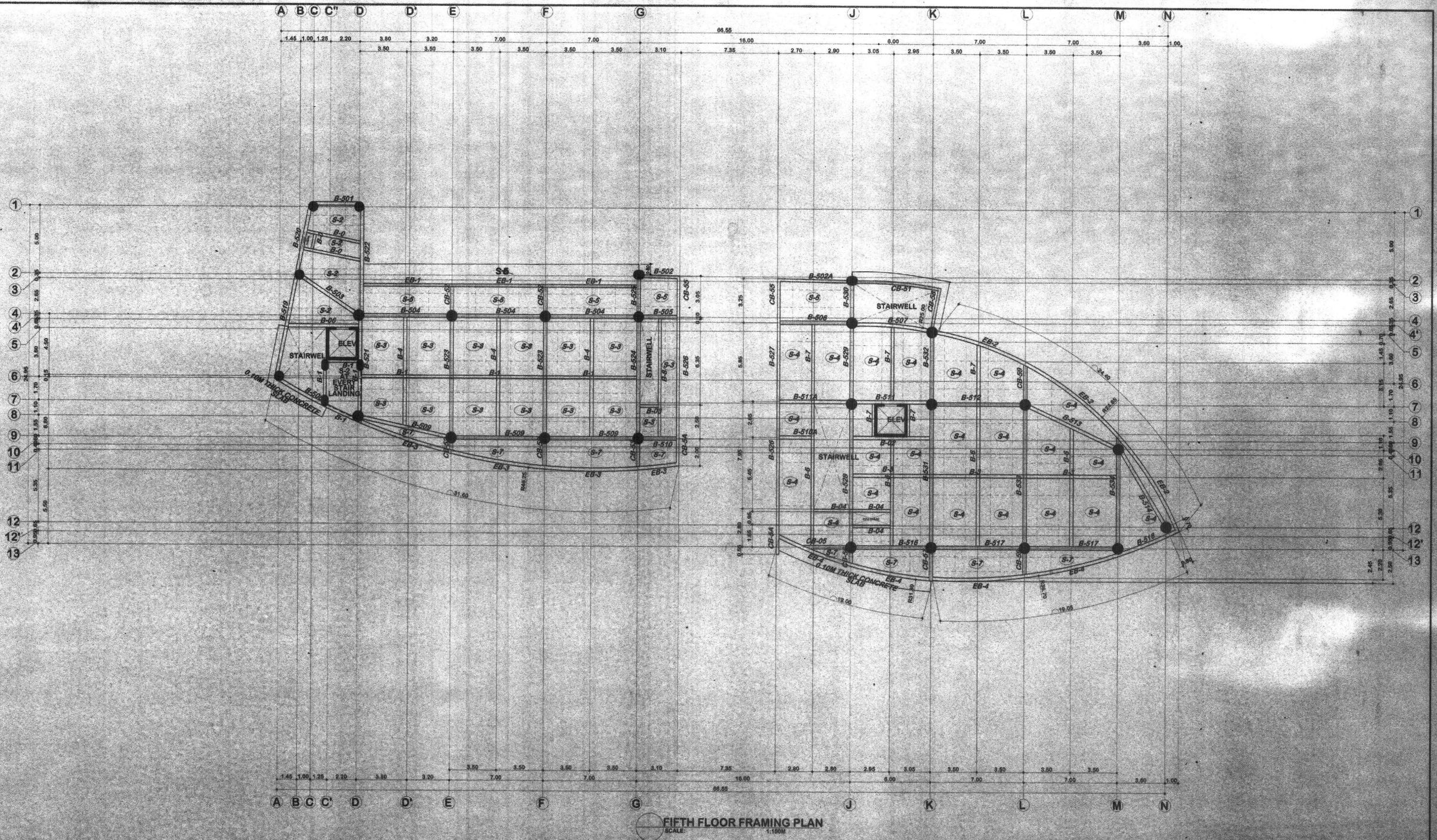

FIFTH FLOOR FRAMING PLAN

SCALE: 1:150M

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PRC NO. : 10 689 | PTR NO. : 6016838
TIN NO. : 132 435 160 | DATE ISSUED:01-05-16

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

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SHEET TITLE: STRUCTURAL
SHEET CONTENTS :

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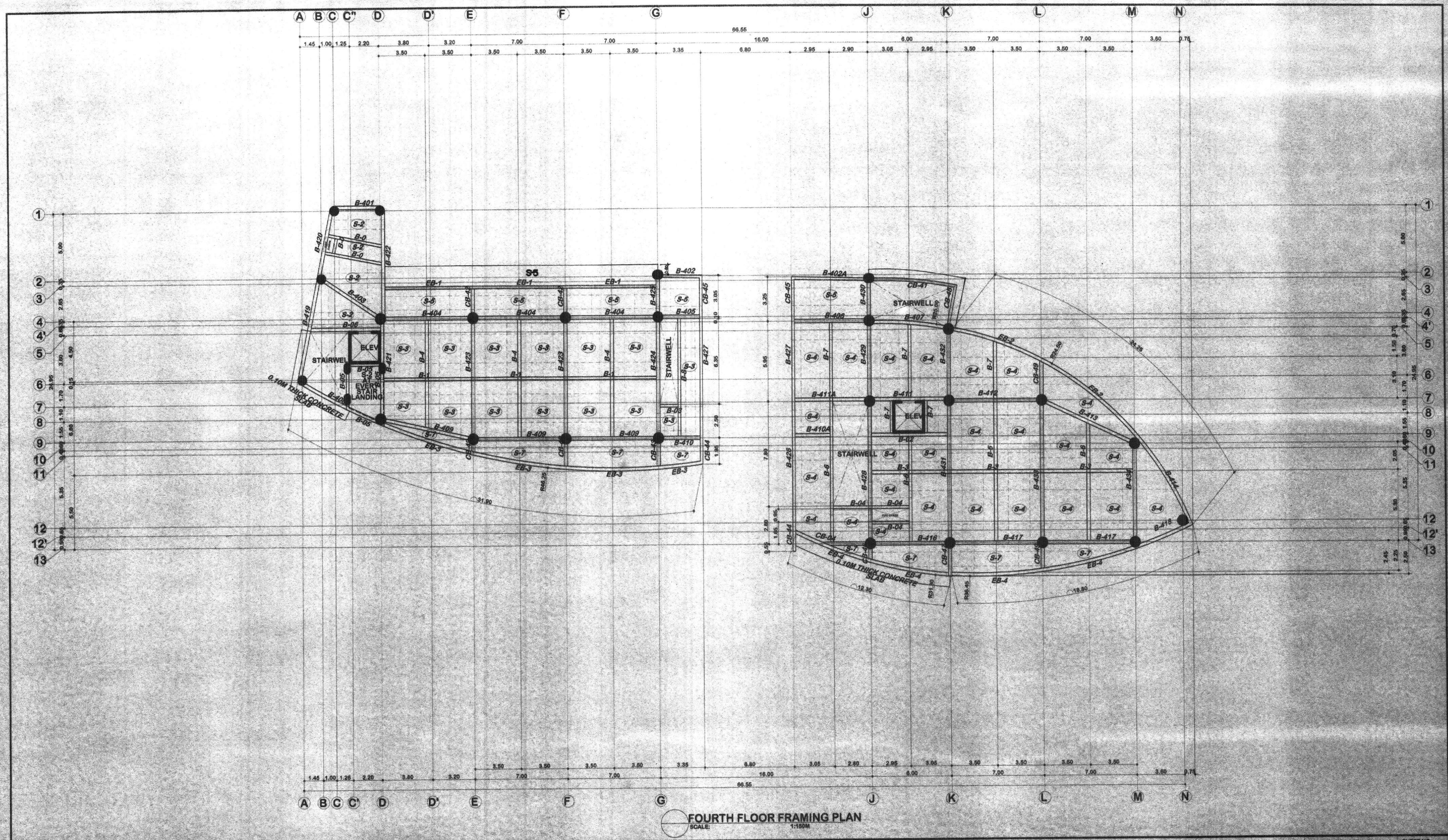

FOURTH FLOOR FRAMING PLAN

SCALE: 1:150M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
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PRO NO. : 10 889 | PTR NO. : 5016936
TIN NO. : 102 435 160 | DATE ISSUED:01-05-15

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
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RECOMMENDING APPROVAL:

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DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS:

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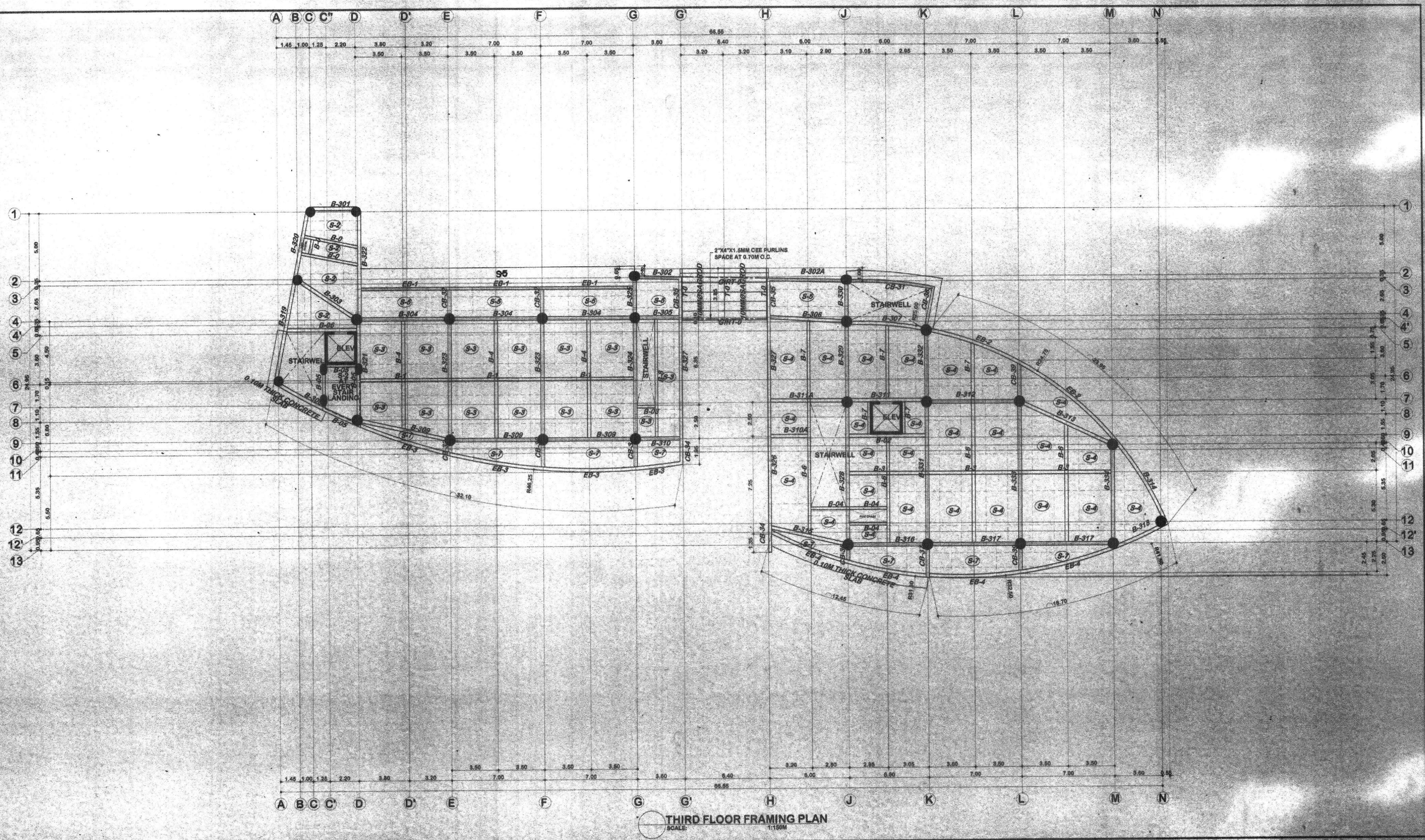

THIRD FLOOR FRAMING PLAN
SCALE: 1:150M

REPUBLIC OF THE PHILIPPINES
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PREPARED BY:

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PRC NO. : 10 889 | PTR NO. : 5010938
TIN NO. : 182 436 180 | DATE ISSUED: 01-05-15

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
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SHEET TITLE: STRUCTURAL
SHEET CONTENTS

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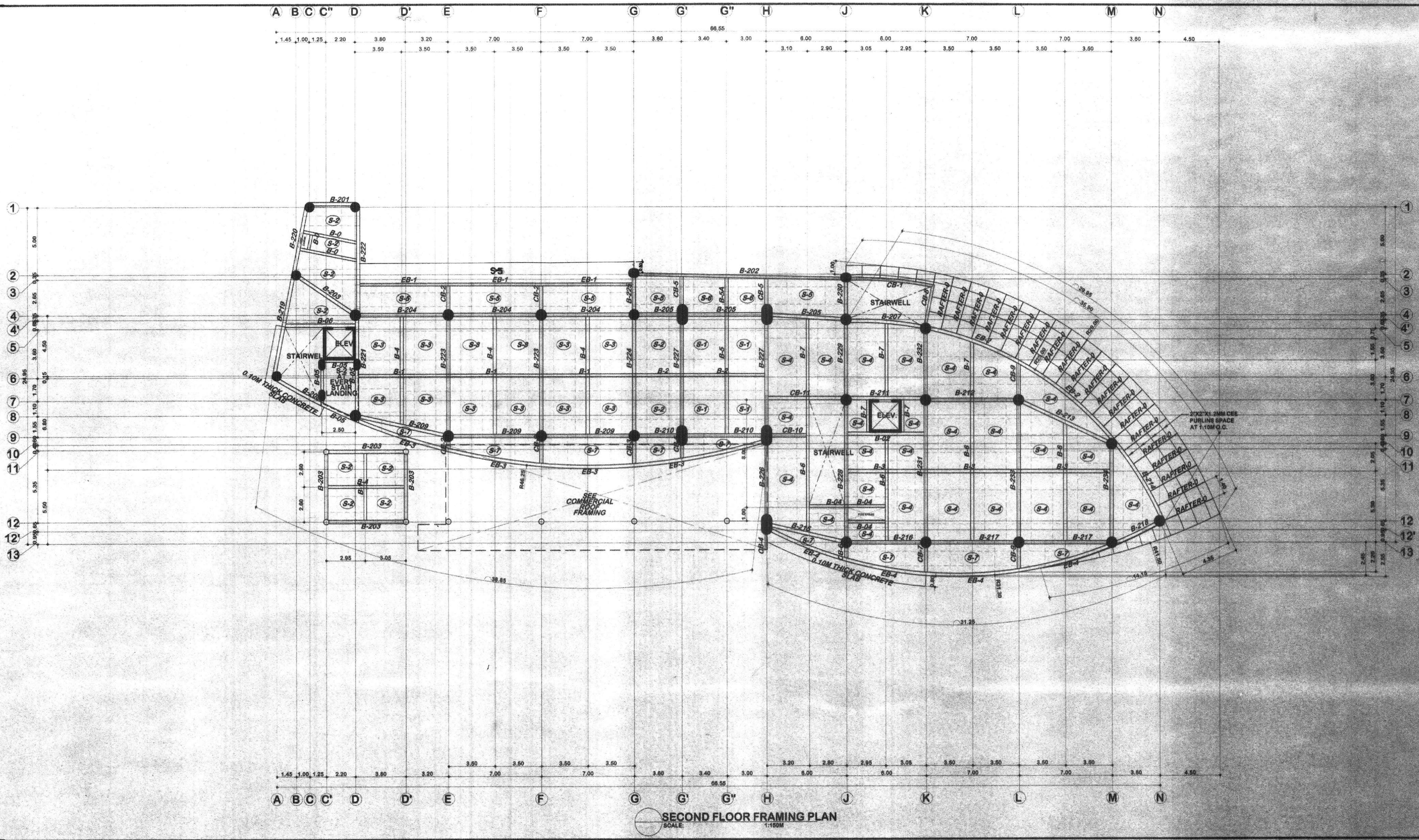

SECOND FLOOR FRAMING PLAN

SCALE: 1:150M

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PRC NO. : 10 889 | PTR NO. : 6016938
TIN NO. : 182 435 160 | DATE ISSUED:01-05-15

PROJECT : **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
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MUST PRESIDENT

SHEET TITLE: STRUCTURAL
SHEET CONTENTS :

SHEET NO.
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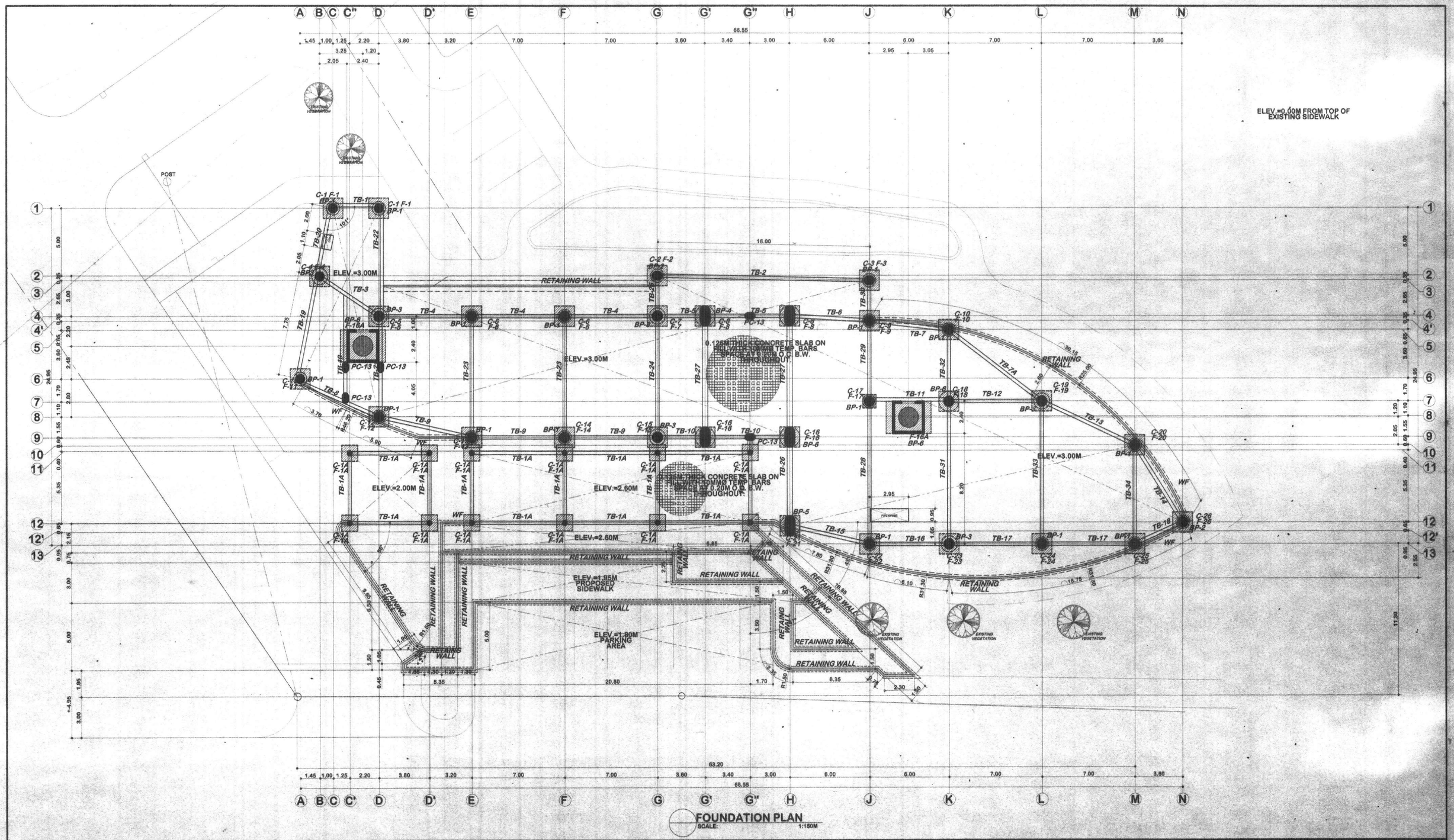

FOUNDATION PLAN

SCALE: 1:150M

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PRC NO. : 10 669 | PTR NO. : 6010938
TIN NO. : 182 435 160 | DATE ISSUED:01-05-15

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SHEET TITLE: STRUCTURAL
SHEET CONTENTS :

SHEET NO.
S1
549
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198