CONSTRUCTION NOTES:

A. GENERAL

1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
2. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.

B: CONCRETE AND REINFORCEMENT

1. ALL MATERIALS WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318).
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE	MAX. SLUMP
CURBS AND SLAB ON GRADE EXCEPT FOUND.	3000 PSI	1 in. (25 mm)	4 in. (100 mm)
FOUNDATION & RETAINING WALL	3000 PSI	3/4 in. (19 mm)	4 in. (100 mm)
ALL OTHERS INCLUDING BEAMS, SUSPENDED SLABS AND COLUMNS	3000 PSI	3/4 in. (19 mm)	5 in. (125 mm)

3. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE40 FOR ø10 & SMALLER REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE60 FOR ø12 & BIGGER
4. IN GENERAL, THE LATEST EDITION OF ACI-315, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.

SUSPENDED SLABS	3/4 in. (19mm)
SLAB ON GRADE	1 1/2 in. (38mm)
WALLS ABOVE GRADE	1 in. (25mm)
BEAM STIRRUPS AND COLUMN TIES	1 1/2 in. (38mm)
WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS	2 in. (50mm)
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	3 in (75mm)

6. SPLICES SHALL BE SECURELY WIRED AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPLICE AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.
7. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, TOOLS, EQUIPMENTS AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
9. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OS SEVEN (7) CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.
10. STRIPPING OF FORMS AND SHORES
    REFER TO TECHNICAL SPECIFICATIONS

C: MASONRY AND CONCRETE BLOCKS

1. ALL-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE CONCRETE BLOCKS A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPA. SHALL BE DEVELOPED.
2. PROVIDE 1-ø16 VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, EACH SIDE OF OPENINGS.
3. LINTEL BEAMS SHALL BEAR AT LEAST 8 INCHES (200 MM.) ON EACH SIDE OF MASONRY WALL OPENING.
4. WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
8 IN. (200 mm)	ø12 @ 400 mm	ø10 @ 600 mm
6 IN (150 mm)	ø10 @ 400 mm	ø10 @ 600 mm
4 IN. (100 mm)	ø10 @ 400 mm	ø10 @ 600 mm

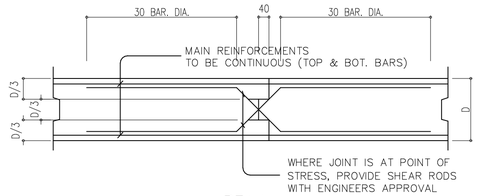
5. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 40 BARS DIAMETERS WHERE SPLICED DOWELS FROM CONCRETE FOOTINGS OR SLABS EXTEND INTO THE BLOCK WALL A MINIMUM OF 40 BAR DIAMETERS, AND DOWELS TO MATCH VERTICAL REINFORCEMENTS OF WALL.
6. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT, (REFER TO SPECIFICATIONS).

D: STEEL NOTES:

1. ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO STD. REQUIREMENTS OF AISC FOR ASTM A36 STEEL
2. ALL COLD FORMED STEEL SHAPES SHALL CONFORM TO STD. REQUIREMENTS OF AISI FOR JIS G3141 SPCC
3. ALL WELDS SHALL CONFORM WITH AWS STD.
4. CONNECTORS
   BOLTS ASTM A307 OR ASTM A325 AS SPECIFIED
   WELDS E60XX ELECTRODE

E: FOUNDATION

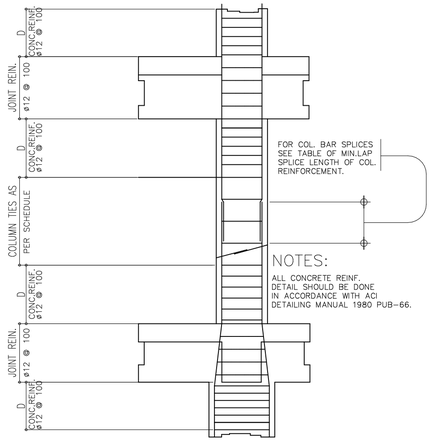
1. FOUNDATION IS DESIGNED BASED ON A SOIL BEARING CAPACITY OF 150KPa AS ASSUMED BY CLIENT
2. FOUNDATION SHALL REST ON NATURAL SOIL, UNLESS OTHERWISE NOTED BY THE ENGINEER, NO PART OF THE FOUNDATION SHALL REST ON FILL.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.
4. THE CONTRACTOR SHALL BE THE RESPONSIBILITY TO DEVISE & IMPLEMENT EXCAVATION PROCEDURES THAT WILL ENSURE SAFETY OF LIFE & PROPERTY.



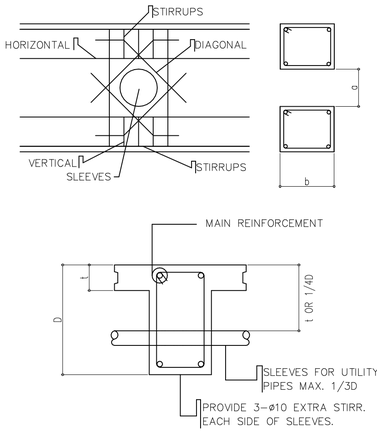
TYPICAL SLAB AND BEAM CONSTRUCTION JOINT DETAIL

REINFORCING BAR FOR SLEEVES				
OPENING DIAMETER	REINFORCING BARS		HORIZONTAL	STIRRUP
	DIAGONAL	VERTICAL		
ø ≤ 100	2 – ø12	2 – ø12		
150 < ø ≤ 150	2 – ø12	2 – ø12	2 – ø12	ø12 – @50
150 < ø ≤ 200	2 – ø16	2 – ø16	2 – ø16	ø12 – @50
200 < ø ≤ 250	2 – ø20	2 – ø16	2 – ø16	ø12 – @50

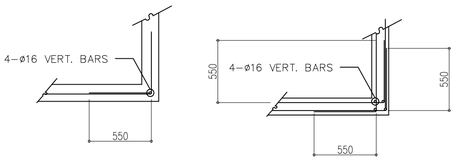
BAR SIZE (GR. 60)	DEVELOPMENT LENGTH (Ld)						
	f'c=21Mpa (3000PSI)	f'c=28Mpa (4000PSI)	f'c=34Mpa (5000PSI)	f'c=42Mpa (6000PSI)	f'c=48Mpa (7000PSI)	f'c=55Mpa (8000PSI)	f'c=68Mpa (10000PSI)
10ø(#3)	450	400	350	325	300	275	250
12ø(#4)	525	475	425	375	350	325	300
16ø(#5)	700	625	550	500	475	425	400
20ø(#6)	875	775	675	625	575	550	475
22ø(#7)	975	850	750	675	625	600	525
25ø(#8)	1350	1175	1050	950	900	825	750
28ø(#9)	1500	1300	1175	1075	1000	925	825
32ø(#10)	1725	1500	1350	1225	1125	1050	950
36ø(#11)	1950	1675	1500	1375	1275	1200	1075
BAR SIZE (GR. 60)	LAP SPLICE (Lb)						
	f'c=21Mpa (3000PSI)	f'c=28Mpa (4000PSI)	f'c=34Mpa (5000PSI)	f'c=42Mpa (6000PSI)	f'c=48Mpa (7000PSI)	f'c=55Mpa (8000PSI)	f'c=68Mpa (10000PSI)
10ø(#3)	600	525	475	425	400	375	325
12ø(#4)	700	625	575	500	475	425	400
16ø(#5)	925	825	725	650	625	575	525
20ø(#6)	1150	1025	900	825	750	725	625
22ø(#7)	1275	1125	975	900	825	800	700
25ø(#8)	1775	1550	1375	1250	1175	1075	975
28ø(#9)	1950	1700	1550	1400	1300	1225	1075
32ø(#10)	2250	1950	1775	1600	1475	1375	1250
36ø(#11)	2550	2200	1950	1800	1675	1575	1400
BAR SIZE (GR. 60)	DEVELOPMENT LENGTH OF STANDARD HOOKS (Ldh)						
	f'c=21Mpa (3000PSI)	f'c=28Mpa (4000PSI)	f'c=34Mpa (5000PSI)	f'c=42Mpa (6000PSI)	f'c=48Mpa (7000PSI)	f'c=55Mpa (8000PSI)	f'c=68Mpa (10000PSI)
10ø(#3)	220	190	170	155	150	150	150
12ø(#4)	265	230	205	190	175	165	150
16ø(#5)	350	305	275	250	230	215	195
20ø(#6)	440	380	340	310	290	270	240
22ø(#7)	485	420	375	340	315	295	265
25ø(#8)	550	475	425	390	360	335	300
28ø(#9)	615	530	475	435	405	375	340
32ø(#10)	700	610	545	495	460	430	385
36ø(#11)	790	685	610	560	515	485	435



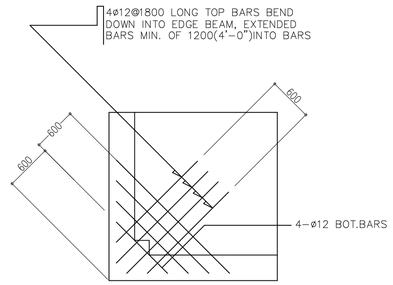
TYPICAL COLUMN ELEV. SHOWING DOWELS AND TIES SPACING



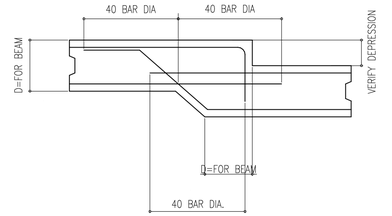
TYPICAL DETAIL FOR SLEEVES THRU CONCRETE BEAM



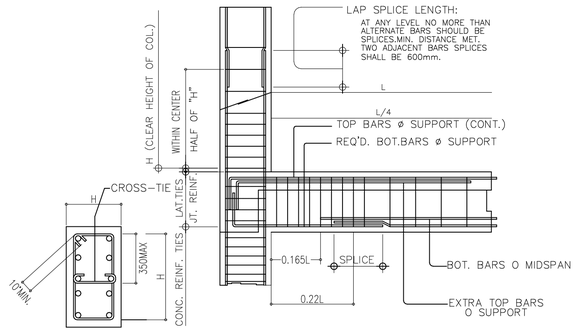
TYPICAL CONNECTION DETAIL OF R.C. WALL AT CORNERS



TYPICAL CORNER SLAB DETAIL



TYPICAL DETAIL FOR BEAM OR SLAB CHANGE SOFFIT



TYPICAL DETAIL OF COL. LAP SPLICE & EXT. GIRDER TO COL. CONNECTION

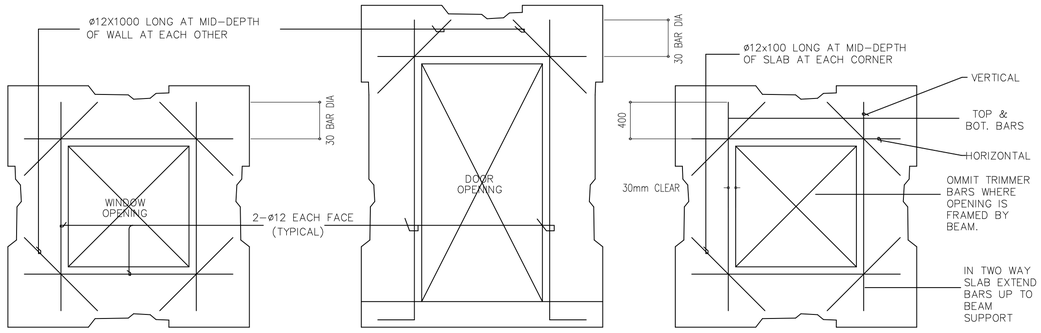


TABLE OF CONTENTS

SHT #	SHEET CONTENTS
STRUCTURAL	
S0001	GENERAL NOTES, MISCELLANEOUS DETAILS
S0002	MISCELLANEOUS DETAILS
S1001	FOUNDATION PLAN, FRAMING PLANS
S3001	SCHEDULE OF COLUMN, SLAB, & FOOTING
S3002	SCHEDULE OF BEAMS & GIRDERS, ROOF TRUSS DETAILS
S3003	STAIR DETAILS, PARAPET DETAILS, TRUSS CONNECTION DETAILS, & CANOPY DETAILS

PREPARED BY
STEELBEND CONSTRUCTION INC
Tower 4 3D Little Baguio Terraces, N. Domingo St., San Juan City
T +(02) 7759 3422 M +632 977 607 5683 E steelbend.inc@gmail.com

DESIGNED BY
ERICA JOYCE G. TANGALIN
ARCHITECT
PRC NO. 041147 Validity 09 MAY 2023
IAPOA NO. 37697 297236 060920 Validity 31 JUNE 2021
PTR NO. 6875677 Date Issued 22 JUNE 2020
TIN 483 354 337 Issued at PASIG CITY

DESIGNED BY
YING GO THOMAS JULIAN CHUA
STRUCTURAL ENGINEER
PRC NO. 146390 Validity 17 DEC 2022
PTR NO. 7283682 Date Issued 06 JAN 2020
TIN 452 321 192 001 Issued at QUEZON CITY

CHECKED BY
ENGR. MARIO LILIO P. VALENZONA
HEAD, GSD

APPROVED BY
DR. JUDITH B. JOMADIAO
CHANCELLOR

APPROVED BY
DR. REMBERTO PATINDOL
VICE PRESIDENT, ADMINISTRATIVE & FINANCE

APPROVED BY
DR. EDGARDO E. TULIN
VISAYAS STATE UNIVERSITY PRESIDENT

APPROVED BY
ENGR. JOHNY M. ACOSTA
DISTRICT ENGINEER

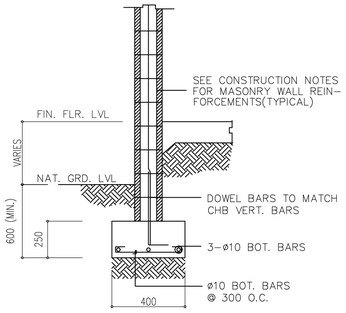
PROJECT
REPAIR/REHABILITATION OF COLLEGE MAIN BUILDING INTO A TWO-STOREY ADMINISTRATION BUILDING
Brgy. Binongtoan Alangalang, Leyte, Philippines

OWNER
VISAYAS STATE UNIVERSITY- ALANGALANG
Visayas State University, Brgy. Binongtoan Alangalang, Leyte, Philippines

SHEET CONTENTS
GENERAL NOTES, MISCELLANEOUS DETAILS

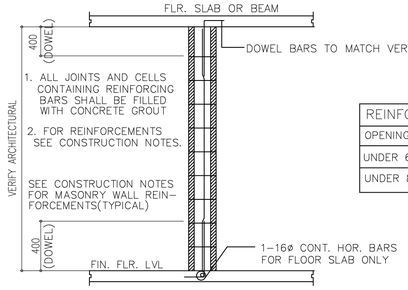
PROJ. NO. 200520

S0001



NOTES:

1. YIELD STRESS OF HOOPS-33 KSI
2. D = USE MAXIMUM COLUMN DIMENSION, 1/6 CLEAR HEIGHT OR 18" (450mm) WHICHEVER IS GREATER.
3. NUMBER OF HOOP TIES SAME AS PER COLUMN TIES SCHEDULE.
4. ALL CONCRETE REINFORCEMENT DETAIL SHOULD BE DONE INACCORDANCE WITH ACI DETAILING MANUAL 1980 PUB SP-66

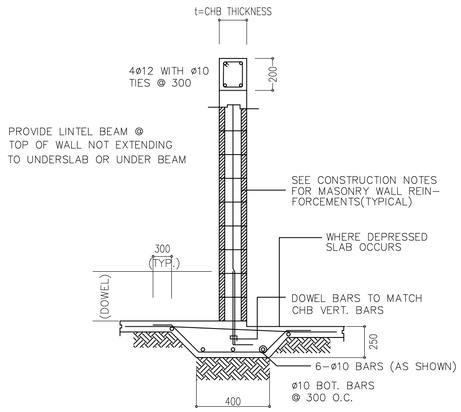


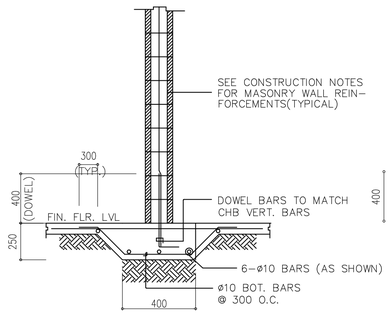
REINFORCING BAR FOR SLAB OPENING	
OPENING SIZE	VERTICAL & HOR ZONTAL
UNDER 600	2-ø12
UNDER 800	4-ø12

PROVIDE THESE ADDITIONAL BARS FOR ALL OPENINGS PLUS BARS (NOT SHOWN) PARALLEL TO SIDE OF OPENING EQUAL TO THE NUMBER OF TERMINATED BARS AT OPENING

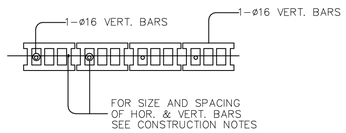
SEE ARCHITECTURAL & MECHANICAL PLANS FOR SLAB OPENING LOCATION

TYPICAL SECTION OF MASONRY PARTITION REINFORCEMENTS

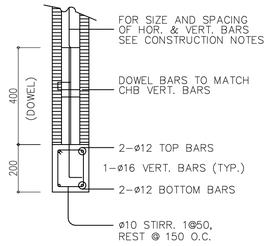




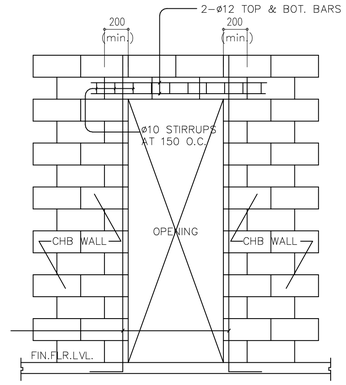
TYPICAL CHB FOOTING DETAILS (WHERE APPLICABLE)



OPENING OR END WALL

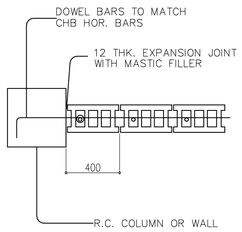


SECTION

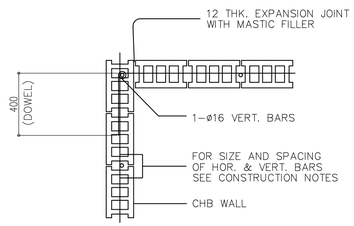


ELEVATION

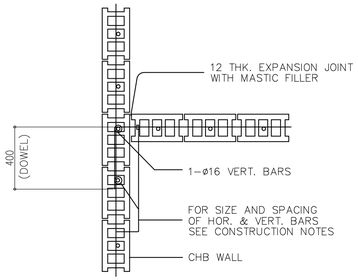
TYPICAL DETAIL OF LINTEL BEAM AT CHB WALL OPENING



INTERSECTING R.C. COLUMN OR WALL



CORNER WALL



INTERSECTION WALL

TYPICAL CONNECTION DETAIL OF MASONRY WALL

REV. NO.	REVISION DESCRIPTION	DATE

PREPARED BY

STEELBEND CONSTRUCTION INC

Tower 4 3D Little Baguio Terraces, N. Domingo St., San Juan City
T +(02) 7759 3422 M +632 977 607 5683 E steelbend.inc@gmail.com

DESIGNED BY

ERICA JOYCE G. TANGALIN
ARCHITECT

PRC NO.	041147	Validity	09 MAY 2023
IAPOA NO.	37667 297236 060920	Validity	31 JUNE 2021
PTR NO.	6875677	Date Issued	22 JUNE 2020
TIN	483 354 337	Issued at	PASIG CITY

RA 9266 SECTION 33
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENTS OF THE ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENTS.

DESIGNED BY

YING GO THOMAS JULIAN CHUA
STRUCTURAL ENGINEER

PRC NO.	146390	Validity	17 DEC 2022
PTR NO.	7283682	Date Issued	06 JAN 2020
TIN	452 321 192 001	Issued at	QUEZON CITY

CHECKED BY

ENGR. MARIO LILIO P. VALENZONA
HEAD, GSD

APPROVED BY

DR. JUDITH B. JOMADIAO
CHANCELLOR

APPROVED BY

DR. REMBERTO PATINDOL
VICE PRESIDENT, ADMINISTRATIVE & FINANCE

APPROVED BY

DR. EDGARDO E. TULIN
VISAYAS STATE UNIVERSITY PRESIDENT

APPROVED BY

ENGR. JOHNY M. ACOSTA
DISTRICT ENGINEER

PROJECT

REPAIR/REHABILITATION OF COLLEGE MAIN BUILDING INTO A TWO-STOREY ADMINISTRATION BUILDING
Brgy. Binongtoan Alangalang, Leyte, Philippines

OWNER

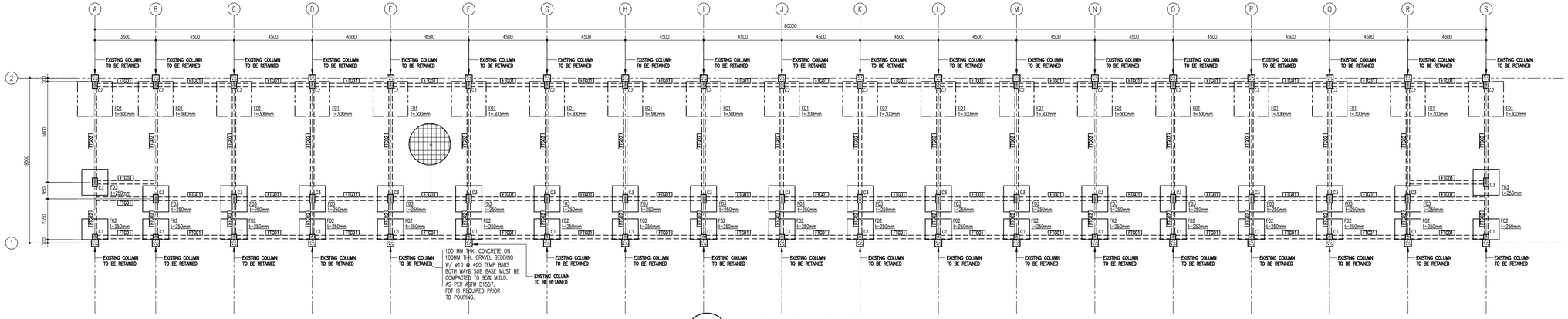
VISAYAS STATE UNIVERSITY- ALANGALANG
Visayas State University, Brgy. Binongtoan Alangalang, Leyte, Philippines

SHEET CONTENTS

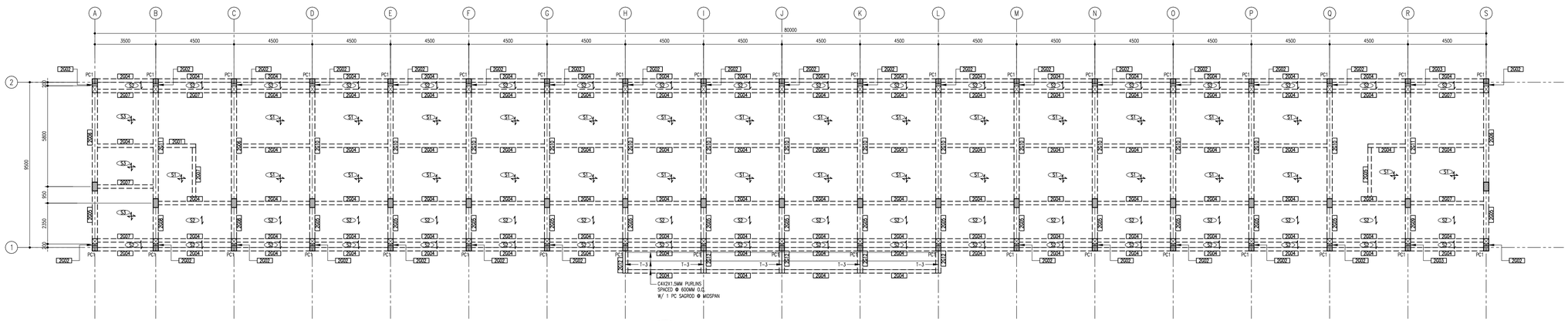
MISCELLANEOUS DETAILS

PROJ. NO. 200520

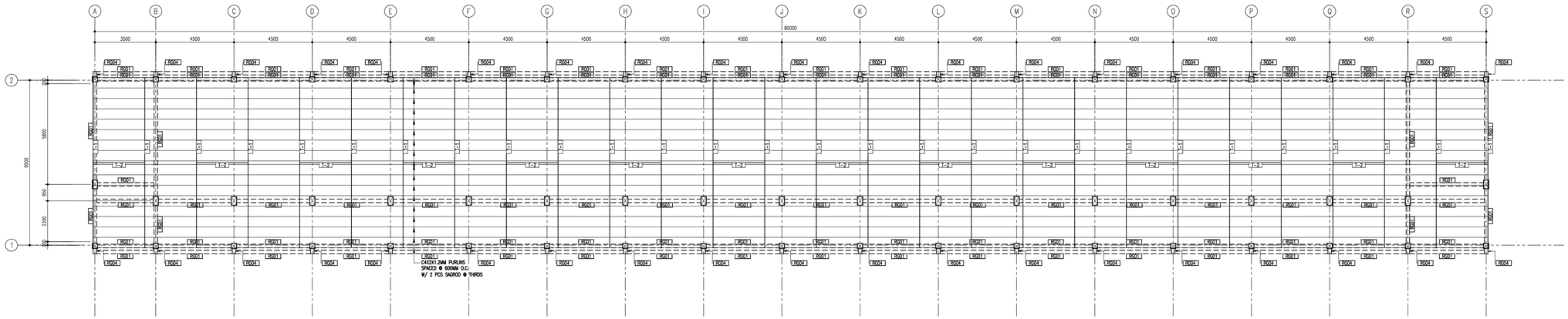
S0002



1 / S1001 FOUNDATION PLAN
SCALE: 1 : 150



2 / S1001 SECOND FLOOR FRAMING PLAN
SCALE: 1 : 150



3 / S1001 ROOF FRAMING PLAN
SCALE: 1 : 150

REV. NO.	REVISION DESCRIPTION	DATE

PREPARED BY

STEELBEND CONSTRUCTION INC

Tower 4 3D Little Baguio Terraces, N. Domingo St., San Juan City
T +(02) 7759 3422 **M** +632 977 607 5683 **E** steelbend.inc@gmail.com

DESIGNED BY

ERICA JOYCE G. TANGALIN
ARCHITECT

PRC NO.	041147	Validity	09 MAY 2023
IAPOA NO.	37667 297236 060920	Validity	31 JUNE 2021
PTR NO.	6875677	Date Issued	22 JUNE 2020
TIN	483 354 337	Issued at	PASIG CITY

RA 9266 SECTION 33
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENTS OF THE ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENTS.

DESIGNED BY

YING GO THOMAS JULIAN CHUA
STRUCTURAL ENGINEER

PRC NO.	146390	Validity	17 DEC 2022
PTR NO.	7283682	Date Issued	06 JAN 2020
TIN	452 321 192 001	Issued at	QUEZON CITY

CHECKED BY

ENGR. MARIO LILIO P. VALENZONA
HEAD, GSD

APPROVED BY

DR. JUDITH B. JOMADIAO
CHANCELLOR

APPROVED BY

DR. REMBERTO PATINDOL
VICE PRESIDENT, ADMINISTRATIVE & FINANCE

APPROVED BY

DR. EDGARDO E. TULIN
VISAYAS STATE UNIVERSITY PRESIDENT

APPROVED BY

ENGR. JOHNY M. ACOSTA
DISTRICT ENGINEER

PROJECT

REPAIR/REHABILITATION OF COLLEGE MAIN BUILDING INTO A TWO-STOREY ADMINISTRATION BUILDING
Brgy. Binongtoan Alangalang, Leyte, Philippines

OWNER

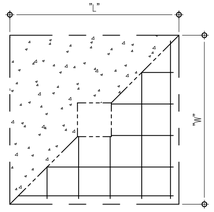
VISAYAS STATE UNIVERSITY- ALANGALANG
Visayas State University, Brgy. Binongtoan Alangalang, Leyte, Philippines

SHEET CONTENTS

FOUNDATION PLAN, FRAMING PLANS

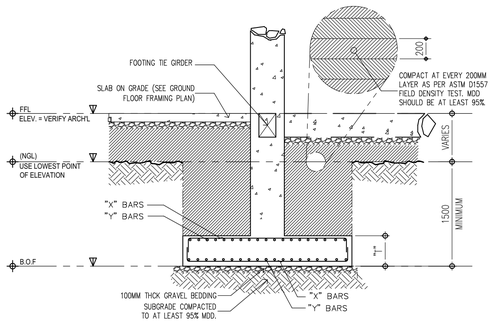
PROJ. NO. 200520

S1001



FOOTING TIE GIRDER												
GIRDER LABEL	DIMENSION		LONGITUDINAL REINFORCEMENT							WEB BARS	STIRRUPS	
	WIDTH (MM)	DEPTH (MM)	Ø	I-END		MID		J-END			NO. OF TYPES	Ø	SPACING (MM) *START, I @ 50*
				TOP	BOT	TOP	BOT	TOP	BOT				
FTG01	200	400	16	3	3	3	3	3	3	-	1	10	8 @ 100 [A], REST @ 200 [A] TO C.L.
FTG02	250	600	16	4	4	4	4	4	4	-	1	10	8 @ 100 [A], REST @ 200 [A] TO C.L.

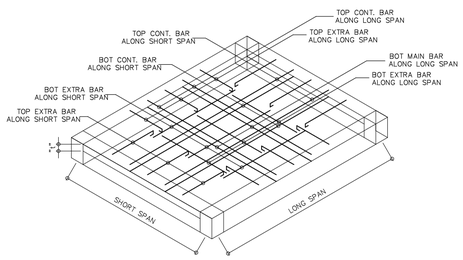
C / S3001 FOOTING TIE GIRDER SCHEDULE
SCALE: NTS



E / S3001 TYPICAL FOOTING DETAILS
SCALE: NTS

FOOTING SCHEDULE									
MARK	Ø	DIMENSIONS			TOP BARS		BOTTOM BARS		REMARKS
		LENGTH(X)	WIDTH(Y)	THICKNESS	ALONG X	ALONG Y	ALONG X	ALONG Y	
F1	16	2000	2000	300	10	10	14	14	ECCENTRIC
F2	16	1500	1200	250	6	8	8	10	ECCENTRIC
F3	16	1500	1500	250	-	-	10	10	ISOLATED

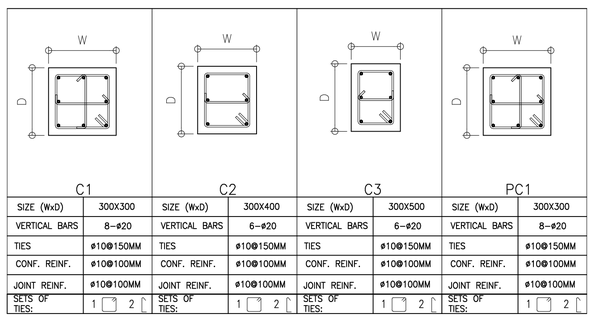
D / S3001 FOOTING SCHEDULE
SCALE: NTS



SLAB	Thk, t [mm]	øbar	SS - SHORT SPAN (Spacing in mm)				LS - LONG SPAN (Spacing in mm)				REMARKS
			Top Bars Discont. (TBD)	Top Bars Cont. (TBC)	Bottom Bars (BB)	Extra Bottom Bars (EBB)	Top Bars Discont. (TBD)	Top Bars Cont. (TBC)	Bottom Bars (BB)	Extra Bottom Bars (EBB)	
S1	100	10	150	150	250	-	150	150	250	-	2W
S2	100	10	150	150	250	-	150	150	250	-	1W
S3	115	10	150	150	250	-	150	150	250	-	2W

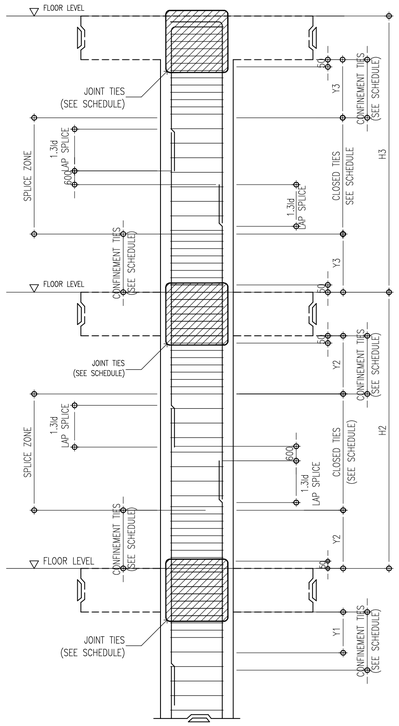
F / S3001 SLAB SCHEDULE
SCALE: NTS

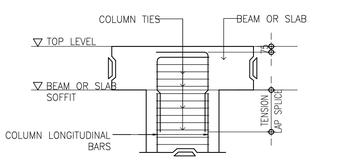
G / S3001 TYPICAL SLAB DETAILS
SCALE: NTS



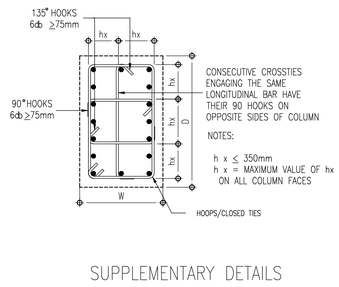
SIZE (WxD)	300X300	SIZE (WxD)	300X400	SIZE (WxD)	300X500	SIZE (WxD)	300X300
VERTICAL BARS	8–ø20	VERTICAL BARS	6–ø20	VERTICAL BARS	6–ø20	VERTICAL BARS	8–ø20
TIES	ø10@150MM	TIES	ø10@150MM	TIES	ø10@150MM	TIES	ø10@150MM
CONF. REINF.	ø10@100MM	CONF. REINF.	ø10@100MM	CONF. REINF.	ø10@100MM	CONF. REINF.	ø10@100MM
JOINT REINF.	ø10@100MM	JOINT REINF.	ø10@100MM	JOINT REINF.	ø10@100MM	JOINT REINF.	ø10@100MM
SETS OF TIES:	1 2	SETS OF TIES:	1 2	SETS OF TIES:	1 2	SETS OF TIES:	1 2

A / S3001 COLUMN SCHEDULE
SCALE: NTS



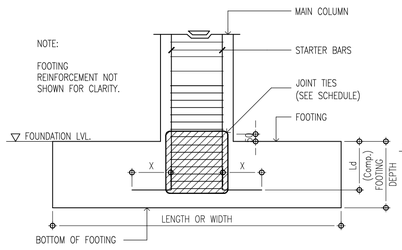


COLUMN TERMINATION DETAILS

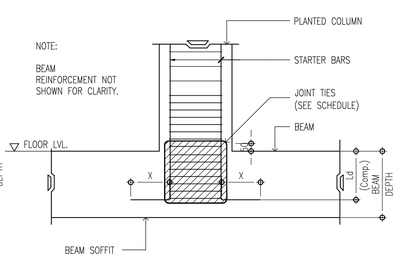


SUPPLEMENTARY DETAILS

1. Y = MAX OF FF.
   a. H/6
   b. 450mm
   c. MAX COLUMN DIMENSION
2. LAP SPLICE SHALL BE LOCATED ONLY WITHIN THE LAP SPLICE ZONE.
3. SPLICES SHALL BE STAGGERED AT LEAST 600mm.
4. PROVIDE TIES @ 100mm O.C. (MAX.) OVER THE FULL LAP SPLICE LENGTH
5. SPECIAL TIES @ THE BEAM COLUMN JOINT TO CONFORM THE FULL LAP SPLICE LENGTH TO THE SAME CONFIGURATION. OF TIES AS INDICATED IN THE SCHEDULE OF COLUMNS
6. NO. OF SPLICES BARS AT ONE LEVEL SHALL NOT EXCEED ONE-THIRD (1/3) OF THE TOTAL NO. OF COLUMN VERTICAL BARS
7. X ¾ MAX OF FF.
   a. 90 BEND STANDARD HOOK (SEE TABLE)
   b. 450mm



MAIN COLUMN–FOOTING CONNECTION DETAIL



PLANTED COLUMN–BEAM CONNECTION DETAIL

B / S3001 TYPICAL COLUMN DETAILS
SCALE: NTS

REV. NO.	REVISION DESCRIPTION	DATE

PREPARED BY

STEELBEND CONSTRUCTION INC

Tower 4 3D Little Baguio Terraces, N. Domingo St., San Juan City
T +(02) 7759 3422 M +632 977 607 5683 E steelbend.inc@gmail.com

DESIGNED BY

ERICA JOYCE G. TANGALIN
ARCHITECT

PRC NO.	041147	Validity	09 MAY 2023
IAPOA NO.	37667 297236 060920	Validity	31 JUNE 2021
PTR NO.	6875677	Date Issued	22 JUNE 2020
TIN	483 354 337	Issued at	PASIG CITY

RA 9266 SECTION 33
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENTS OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENTS.

DESIGNED BY

YING GO THOMAS JULIAN CHUA
STRUCTURAL ENGINEER

PRC NO.	146390	Validity	17 DEC 2022
PTR NO.	7283682	Date Issued	06 JAN 2020
TIN	452 321 192 001	Issued at	QUEZON CITY

CHECKED BY
ENGR. MARIO LILIO P. VALENZONA
HEAD, GSD

APPROVED BY
DR. JUDITH B. JOMADIAO
CHANCELLOR

APPROVED BY
DR. REMBERTO PATINDOL
VICE PRESIDENT, ADMINISTRATIVE & FINANCE

APPROVED BY
DR. EDGARDO E. TULIN
VISAYAS STATE UNIVERSITY PRESIDENT

APPROVED BY
ENGR. JOHNY M. ACOSTA
DISTRICT ENGINEER

PROJECT
REPAIR/REHABILITATION OF COLLEGE MAIN BUILDING INTO A TWO-STOREY ADMINISTRATION BUILDING
Brgy. Binongtoan Alangalang, Leyte, Philippines

OWNER
VISAYAS STATE UNIVERSITY- ALANGALANG
Visayas State University, Brgy. Binongtoan Alangalang, Leyte, Philippines

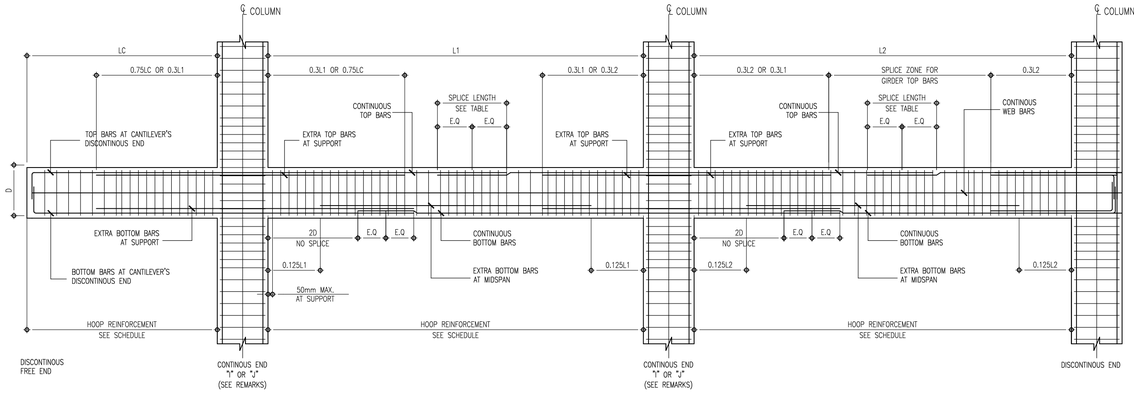
SHEET CONTENTS
SCHEDULE OF COLUMN, SLAB, & FOOTING

PROJ. NO. 200520

S3001

SECOND LEVEL GIRDER												
GIRDER LABEL	DIMENSION		LONGITUDINAL REINFORCEMENT						WEB BARS	NO. OF TYPES	Ø	STIRRUPS
	WIDTH (MM)	DEPTH (MM)	Ø	I-END		MID		J-END				SPACING (MM) *START, I @ 50*
				TOP	BOT	TOP	BOT	TOP	BOT			
2G01	250	400	16	6	3	6	3	6	3	1-16Ø E.F.	1	10	REST @ 100 [A] TO F.E.
2G02	300	400	16	3	2	3	2	3	2	1-16Ø E.F.	1	10	REST @ 50 [A] TO F.E.
2G03	300	400	20	2	2	2	2	2	2	1-16Ø E.F.	1	10	REST @ 50 [A] TO F.E.
2G04	200	400	16	4	2	2	4	4	2	-	1	10	8 @ 100 [A], REST @ 200 [A] TO C.L.
2G05	300	400	16	3	2	2	2	3	2	-	1	10	REST @ 100 [A] TO C.L.
2G06	300	500	16	4	3	3	3	4	3	-	1	10	10 @ 100 [A], 7 @ 150 [A], REST @ 200 [A] TO C.L.
2G07	200	400	16	3	2	2	2	3	2	1-16Ø E.F.	1	10	8 @ 100 [A], 4 @ 150 [A], REST @ 200 [A] TO C.L.
2G08	300	400	16	3	2	2	2	3	2	1-16Ø E.F.	1	10	REST @ 100 [A] TO C.L.
2G09	300	400	20	3	2	2	2	3	2	1-16Ø E.F.	1	10	REST @ 100 [A] TO C.L.
2G10	300	500	16	6	3	5	6	6	3	1-16Ø E.F.	1	10	10 @ 100 [A], 10 @ 100 [A], REST @ 200 [A] TO C.L.
2G11	300	500	20	5	4	4	6	5	4	1-16Ø E.F.	1	10	10 @ 100 [C], 7 @ 150 [C], REST @ 200 [C] TO C.L.
2G12	300	400	16	5	3	5	3	5	3	1-16Ø E.F.	1	10	REST @ 100 [A] TO F.E.
ROOF LEVEL GIRDER												
GIRDER LABEL	DIMENSION		LONGITUDINAL REINFORCEMENT						WEB BARS	NO. OF TYPES	Ø	STIRRUPS
	WIDTH (MM)	DEPTH (MM)	Ø	I-END		MID		J-END				SPACING (MM) *START, I @ 50*
				TOP	BOT	TOP	BOT	TOP	BOT			
RG01	200	400	16	2	2	2	2	2	2	-	1	10	8 @ 100 [A], REST @ 200 [A] TO C.L.
RG02	200	400	16	2	2	2	2	2	2	1-16Ø E.F.	1	10	8 @ 100 [A], REST @ 200 [A] TO C.L.
RG03	200	400	16	3	2	2	3	3	2	-	1	10	8 @ 100 [A], REST @ 150 [A] TO C.L.
RG04	200	400	16	2	2	2	2	2	2	-	1	10	REST @ 50 [A] TO F.E.

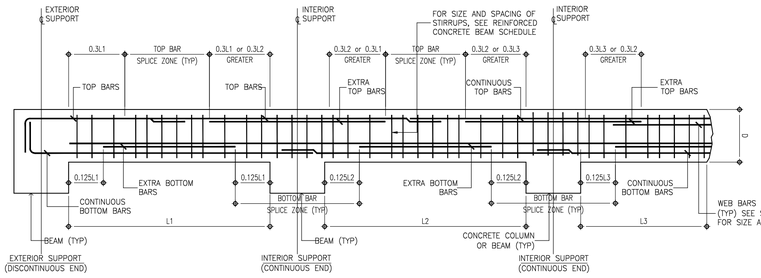
A S3002 GIRDER SCHEDULE
SCALE: NTS



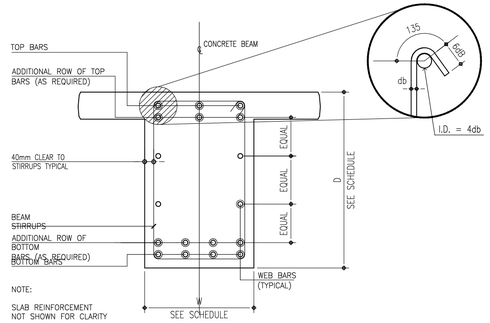
STRUCTURAL NOTES:

1. SEE TABLE OF LAP SPLICE & ANCHORAGE LENGTHS SHOWN ON SHEET.
2. LAP SPLICE SHALL BE LOCATED ONLY WITHIN THE LAP SPLICE ZONE.
3. CLOSED HOOPS WITH A 135 BEND SHALL BE SPACED AT 100 O.C MAXIMUM AT A DISTANCE 2D FROM THE FACE OF THE SUPPORT, FIRST STIRRUP SHALL 5D FROM THE FACE OF THE SUPPORT.
4. SPACING OF STIRRUPS ON LAP SPLICE SHALL BE SPACED @ 100MM O.C MAXIMUM.
5. AT INTERIOR SUPPORT (CONTINUOUS END) PROVIDE LARGER SIZE AND NUMBER OF TOP AND BOTTOM BARS FROM ADJACENT SPANS.
6. NO SPLICE SHALL BE ALLOWED 2D FROM THE FACE OF THE SUPPORT.

B S3002 TYPICAL GIRDER DETAILS
SCALE: NTS

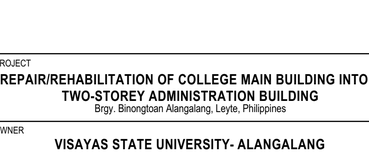


C S3002 TYPICAL BEAM DETAILS
SCALE: NTS

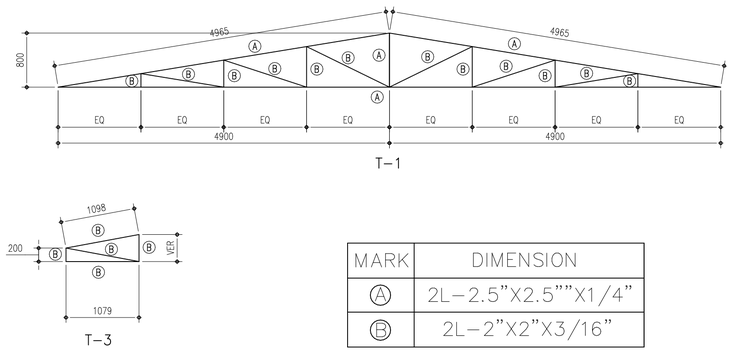


D S3002 TYPICAL BEAM SECTION
SCALE: NTS

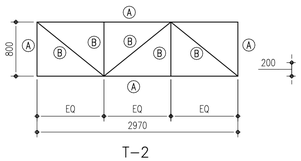
DEPTH (D) mm	D<750	750≤D<900	900≤D<1100	1100≤D<1200	D>1200
WEB BAR	NOT NECESSARY UNLESS OTHERWISE SPECIFIED	1 – ø16 E.F. UNLESS OTHERWISE SPECIFIED	2 – ø16 E.F. UNLESS OTHERWISE SPECIFIED	3 – ø16 E.F. UNLESS OTHERWISE SPECIFIED	4 – ø16 E.F. UNLESS OTHERWISE SPECIFIED
SECTION					
FASTENING	–	D10 @ ±1200			



E S3002 WEB BARS & STIRRUPS DETAILS
SCALE: NTS



T-1

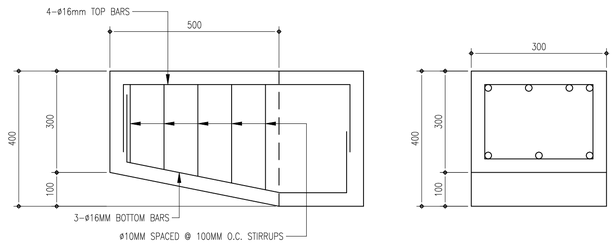


T-2

T-3

MARK	DIMENSION
Ⓐ	2L-2.5"X2.5""X1/4"
Ⓑ	2L-2"X2"X3/16"

F S3002 TRUSS DIAGRAM
SCALE: 1:50



G S3002 CORBEL DETAILS
SCALE: NTS

REV. NO.	REVISION DESCRIPTION	DATE

PREPARED BY
STEELBEND CONSTRUCTION INC
Tower 4 3D Little Baguio Terraces, N. Domingo St., San Juan City
T +(02) 7759 3422 M +632 977 607 5683 E steelbend.inc@gmail.com

DESIGNED BY
ERICA JOYCE G. TANGALIN
ARCHITECT

PRC NO.	041147	Validity	09 MAY 2023
IAPOA NO.	37697 297236 060920	Validity	31 JUNE 2021
PTR NO.	6878677	Date Issued	22 JUNE 2020
TIN	483 354 337	Issued at	PASIG CITY

RA 9266 SECTION 33
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENTS OF THE ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENTS.

DESIGNED BY
YING GO THOMAS JULIAN CHUA
STRUCTURAL ENGINEER

PRC NO.	146390	Validity	17 DEC 2022
PTR NO.	7283682	Date Issued	06 JAN 2020
TIN	452 321 192 001	Issued at	QUEZON CITY

CHECKED BY
ENGR. MARIO LILIO P. VALENZONA
HEAD, GSD

APPROVED BY
DR. JUDITH B. JOMADIAO
CHANCELLOR

APPROVED BY
DR. REMBERTO PATINDOL
VICE PRESIDENT, ADMINISTRATIVE & FINANCE

APPROVED BY
DR. EDGARDO E. TULIN
VISAYAS STATE UNIVERSITY PRESIDENT

APPROVED BY
ENGR. JOHNY M. ACOSTA
DISTRICT ENGINEER

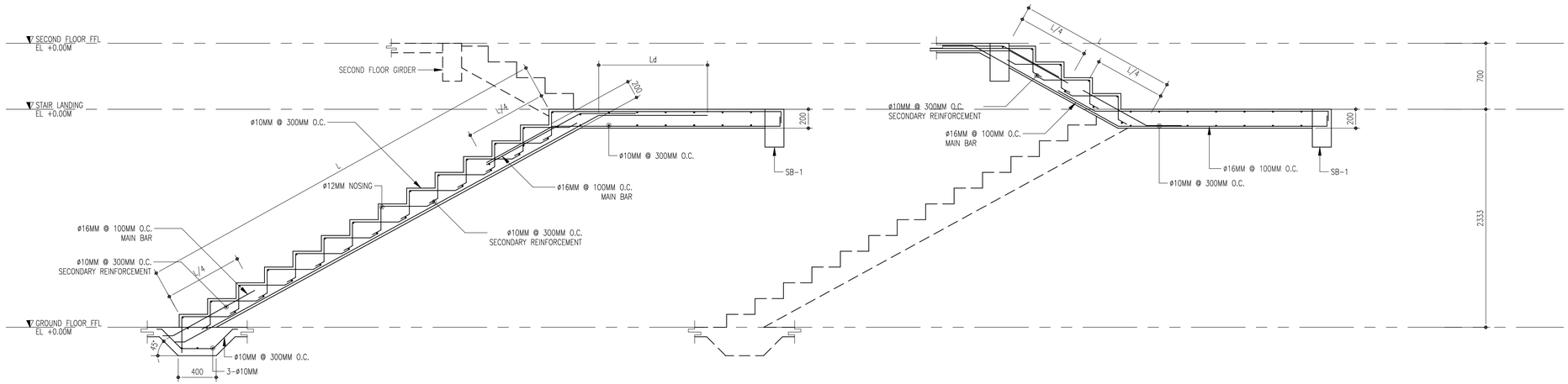
PROJECT
REPAIR/REHABILITATION OF COLLEGE MAIN BUILDING INTO A TWO-STOREY ADMINISTRATION BUILDING
Brgy. Binongtoan Alangalang, Leyte, Philippines

OWNER
VISAYAS STATE UNIVERSITY- ALANGALANG
Visayas State University, Brgy. Binongtoan Alangalang, Leyte, Philippines

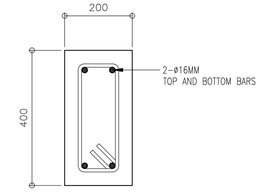
SHEET CONTENTS
SCHEDULE OF BEAMS & GIRDERS, ROOF TRUSS DETAIL

PROJ. NO. 200520

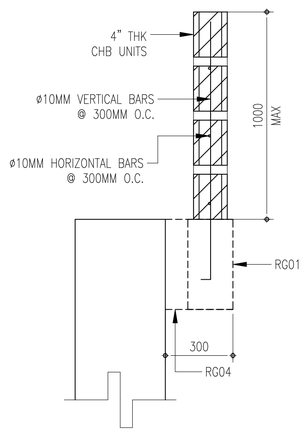
S3002



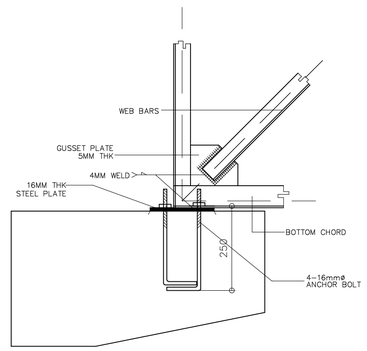
A A3003 **STAIR DETAILS**
SCALE: 1:30



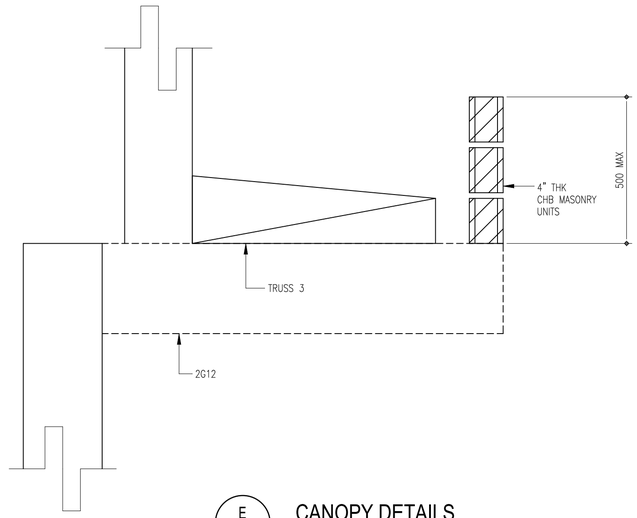
B A3003 **SB1 DETAILS**
SCALE: 1:10



C S3003 **PARAPET DETAILS**
SCALE: 1:15



D S3003 **TRUSS CONNECTION DETAILS**
SCALE: NTS



E S3003 **CANOPY DETAILS**
SCALE: 1:15

REV. NO.	REVISION DESCRIPTION	DATE

PREPARED BY

STEELBEND CONSTRUCTION INC

Tower 4 3D Little Baguio Terraces, N. Domingo St., San Juan City
T +(02) 7759 3422 M +632 977 607 5683 E steelbend.inc@gmail.com

DESIGNED BY

ERICA JOYCE G. TANGALIN
ARCHITECT

PRC NO.	041147	Validity	09 MAY 2023
IAPOA NO.	37667 297236 060925	Validity	31 JUNE 2021
PTR NO.	6875677	Date Issued	22 JUNE 2020
TIN	483 354 337	Issued at	PASIG CITY

DESIGNED BY

YING GO THOMAS JULIAN CHUA
STRUCTURAL ENGINEER

PRC NO.	146390	Validity	17 DEC 2022
PTR NO.	7283682	Date Issued	06 JAN 2020
TIN	452 321 192 001	Issued at	QUEZON CITY

CHECKED BY
ENGR. MARIO LILIO P. VALENZONA
HEAD, GSD

APPROVED BY
DR. JUDITH B. JOMADIAO
CHANCELLOR

APPROVED BY
DR. REMBERTO PATINDOL
VICE PRESIDENT, ADMINISTRATIVE & FINANCE

APPROVED BY
DR. EDGARDO E. TULIN
VISAYAS STATE UNIVERSITY PRESIDENT

APPROVED BY
ENGR. JOHNY M. ACOSTA
DISTRICT ENGINEER

PROJECT
REPAIR/REHABILITATION OF COLLEGE MAIN BUILDING INTO A TWO-STOREY ADMINISTRATION BUILDING
Brgy. Binongtoan Alangalang, Leyte, Philippines

OWNER
VISAYAS STATE UNIVERSITY- ALANGALANG
Visayas State University, Brgy. Binongtoan Alangalang, Leyte, Philippines

SHEET CONTENTS
STAIR DETAILS, PARAPET DETAILS, TRUSS CONNECTION DETAILS, & CANOPY DETAILS

PROJ. NO. 200520

S3003