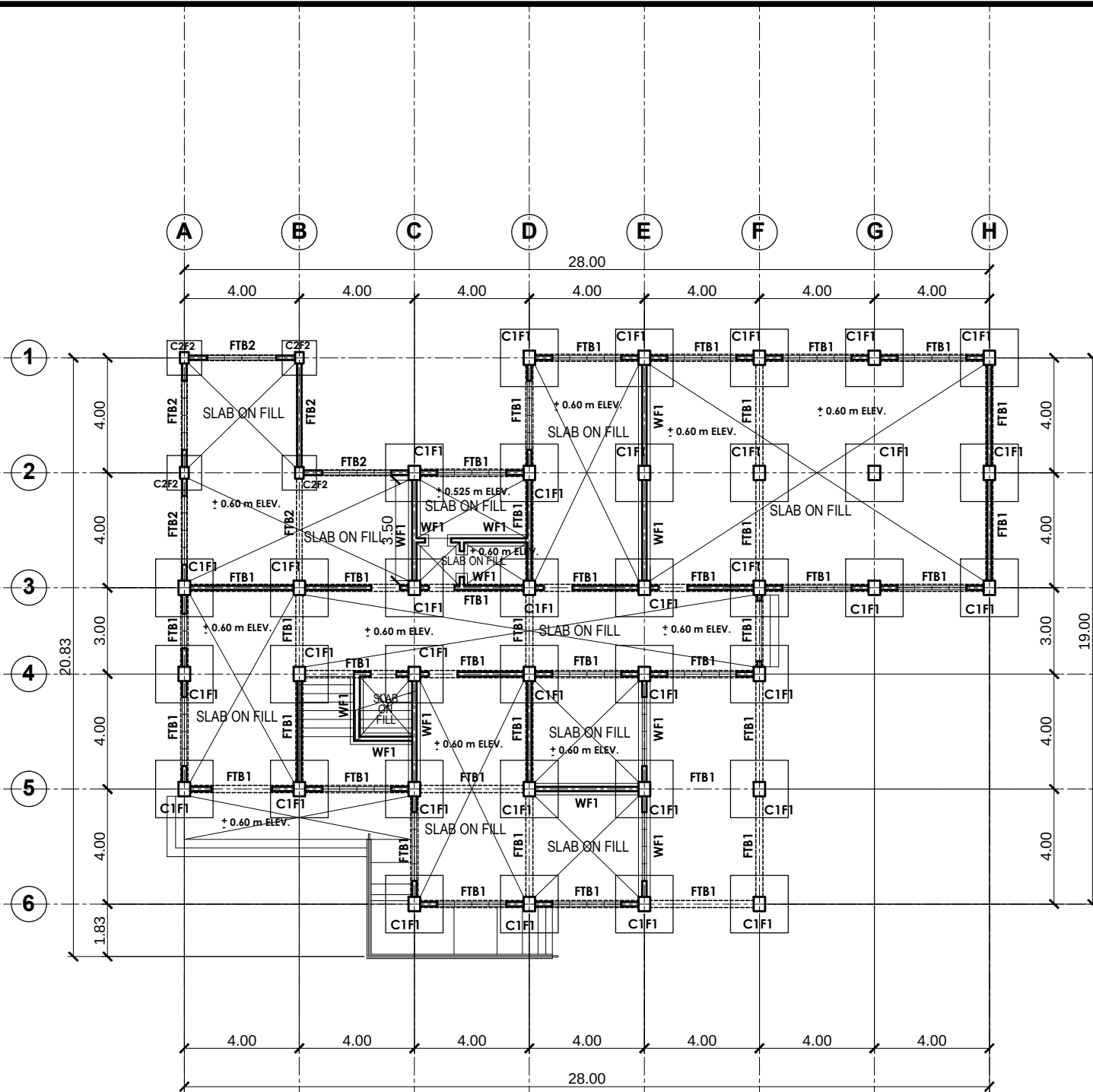
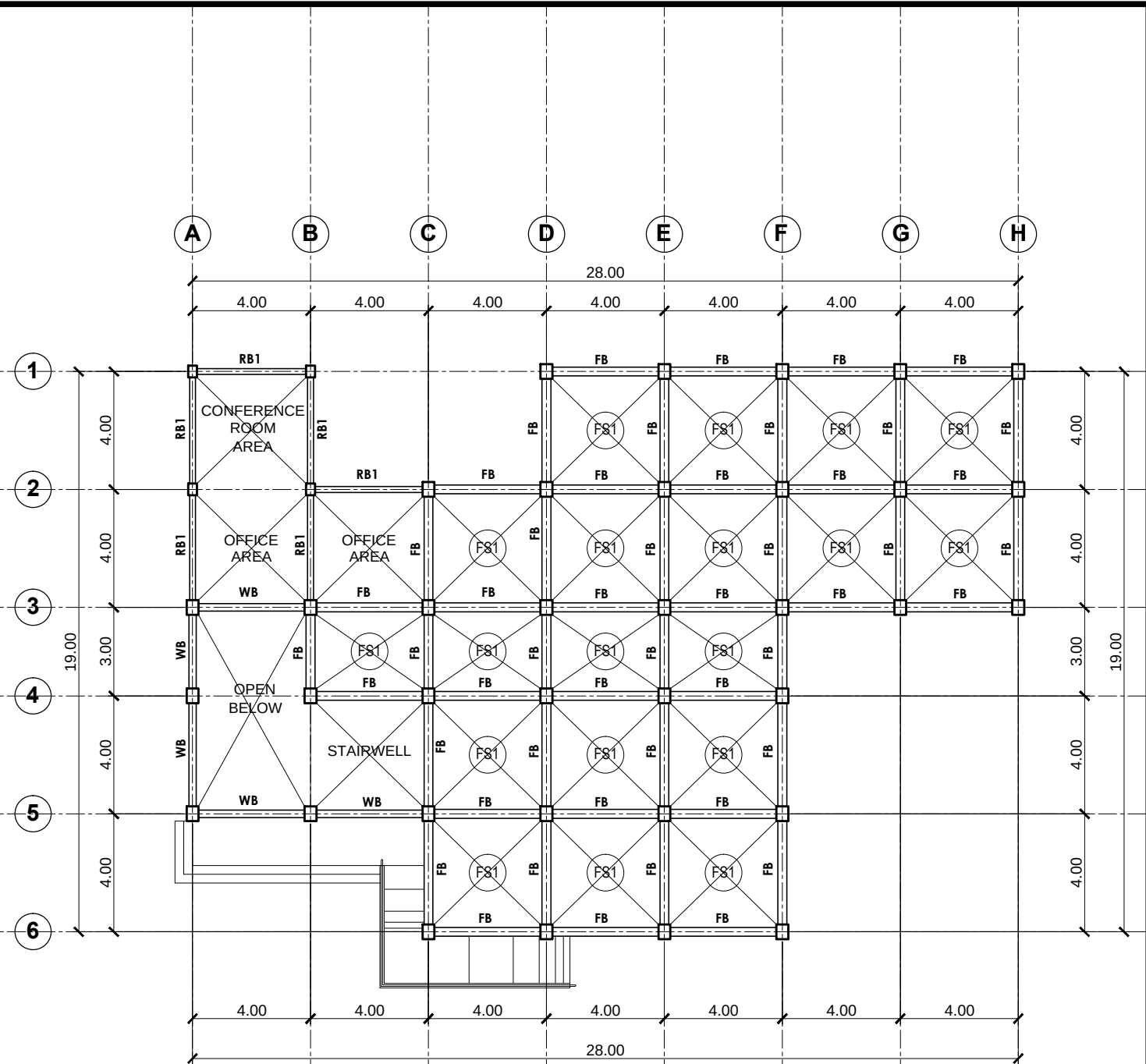


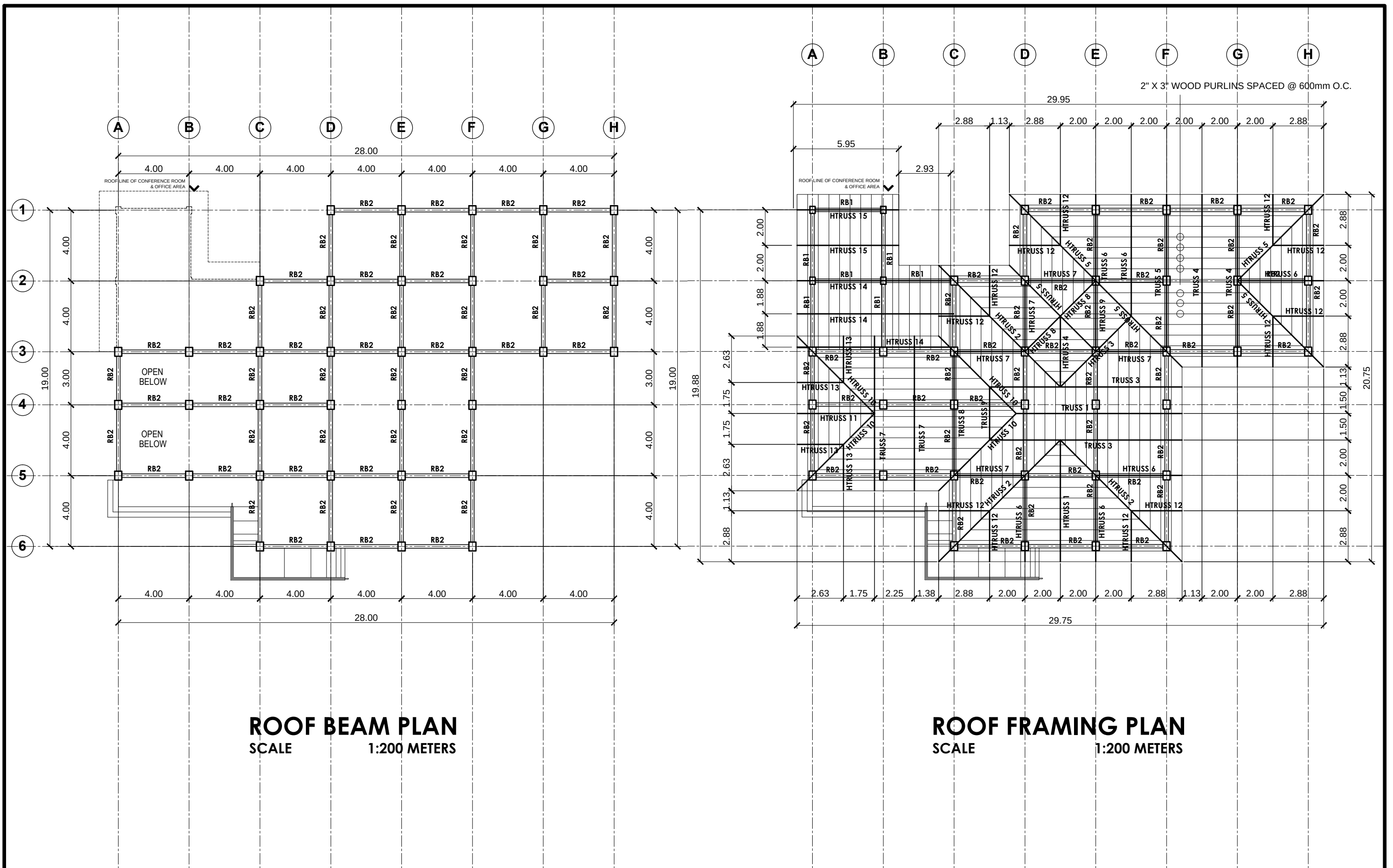


FOUNDATION PLAN
SCALE 1:200 METERS

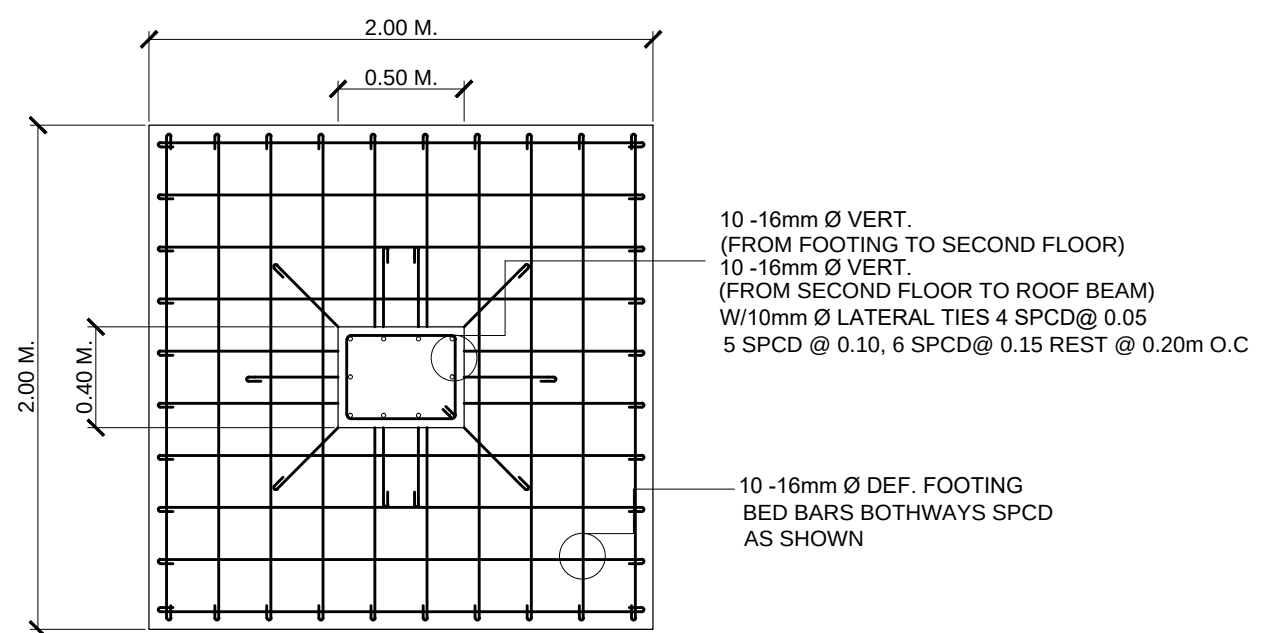
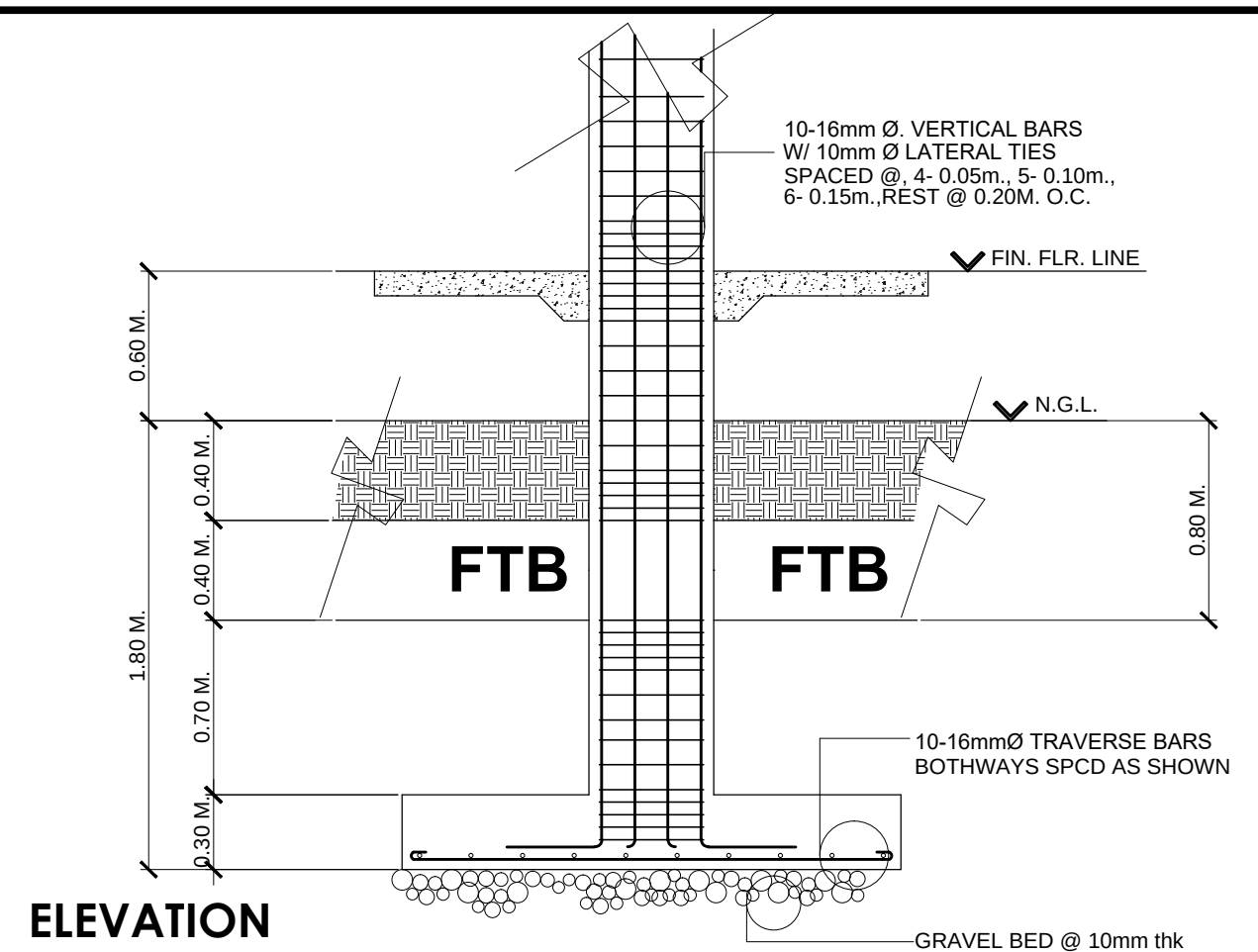
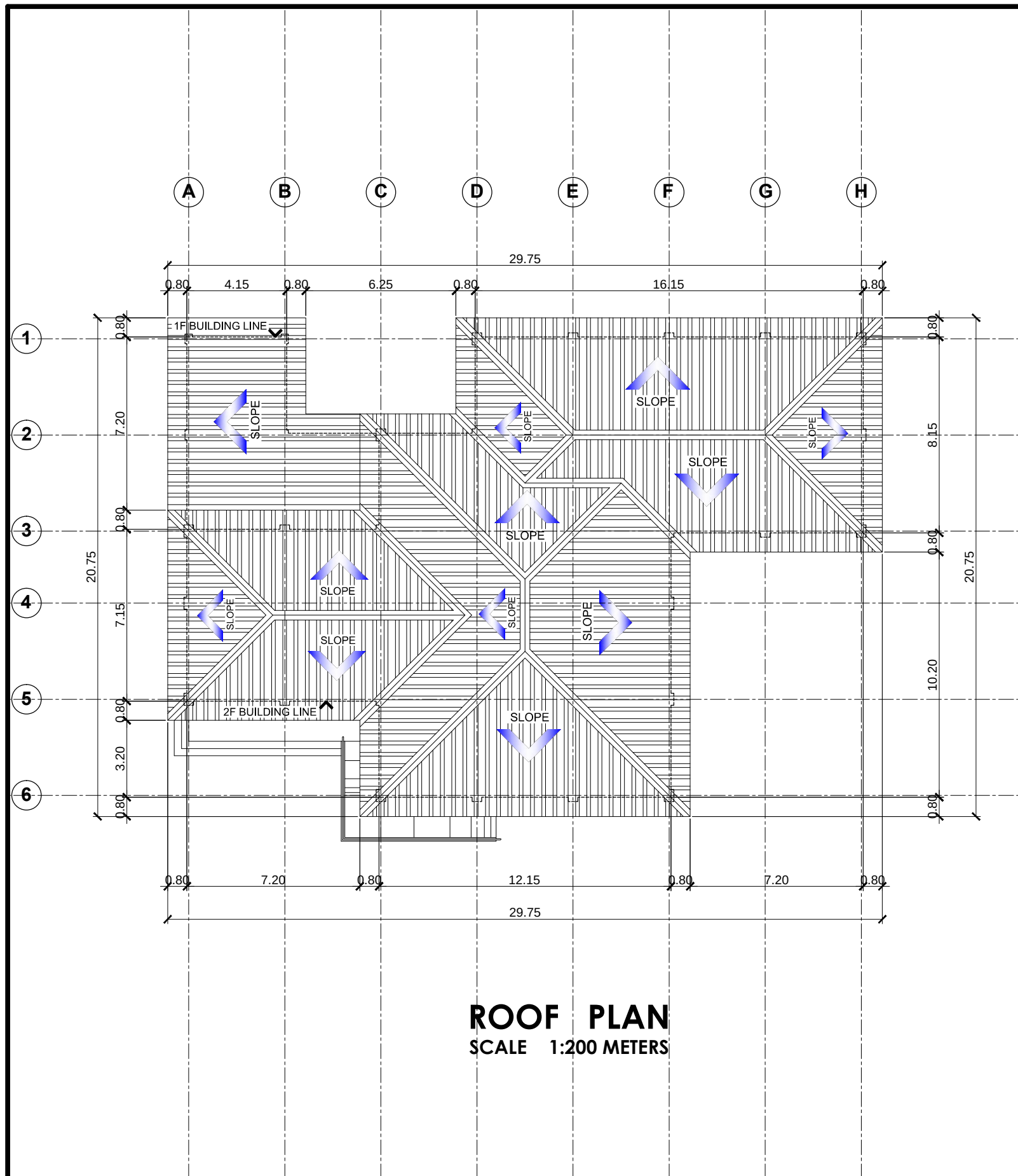


SECOND FLOOR FRAMING PLAN
SCALE 1:200 METERS

	TIN:	Design by:	Project Title:	Noted by:	Checked by:	Checked by:	Conformed by:	Approved by:	Sheet Contents:	CONCEPTED by:	S1 13 SHEET NO. 12 24
	PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	FOUNDATION PLAN SECOND FLOOR FRAMING PLAN	AutoCAD by:	
	PTR:									Date Started:	
	Date:									Date Finished:	
	Place:									Place:	
			Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT			

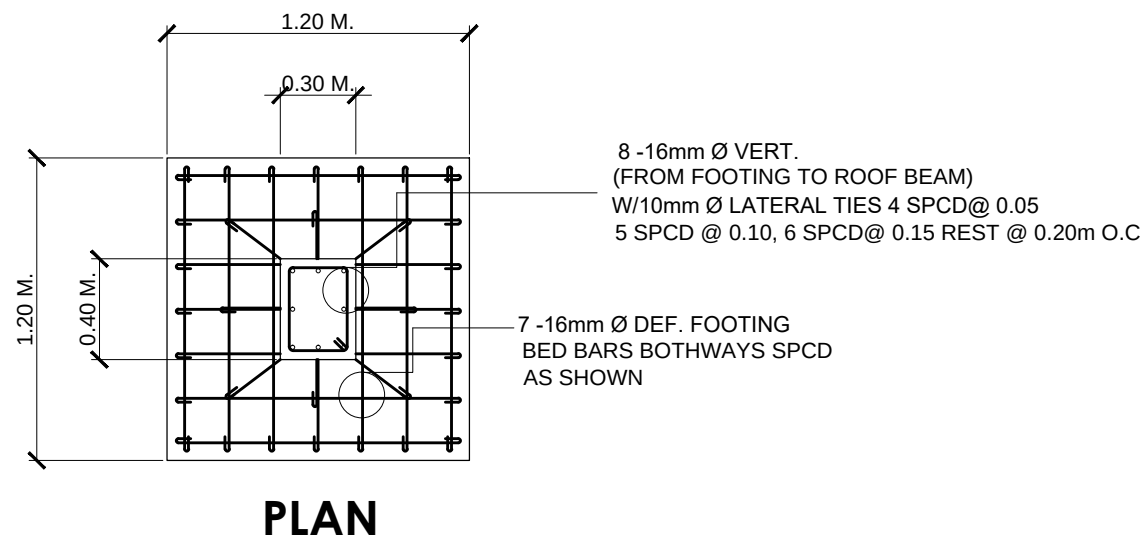
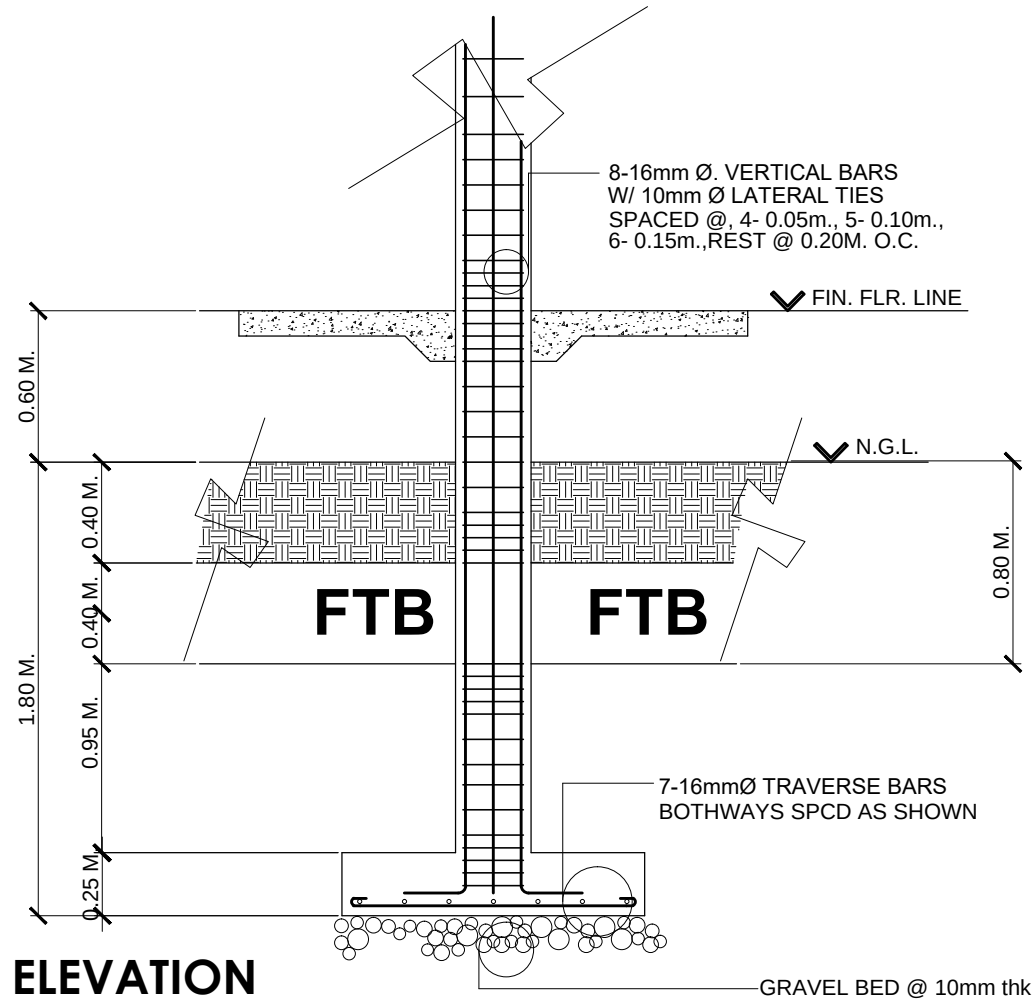


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	PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	ROOF BEAM PLAN ROOF FRAMING PLAN	AutoCAD by:	
	PTR:									Date Started:	
	Date:									Date Finished:	
	Place:									Place:	
			Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT			



DETAIL OF C1F1
SCALE 1:30 METERS

	TIN:	Design by:	Project Title:	Noted by:	Checked by:	Checked by:	Conformed by:	Approved by:	Sheet Contents:	CONCEPTED by:	S3 13 SHEET NO. 14 24
	PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	ROOF PLAN DETAIL OF C1F1	AutoCAD by:	
	PTR:									Date Started:	
	Date:									Date Finished:	
	Place:									Place:	
			Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT			



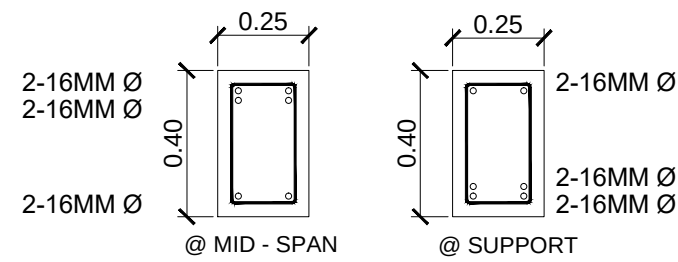
DETAIL OF C2F2
SCALE 1:30 METERS

SCHEDULE OF COLUMNS			
	C1		C2
SECOND FLOOR TO ROOF BEAM	SIZE : AS SHOWN VERT BARS : 10- 16mmØ TIES : 10mmØ BAR		
FOUNDATION TO SECOND FLOOR			
	SIZE : AS SHOWN VERT BARS : 10- 16mmØ TIES : 10mmØ BAR		SIZE : AS SHOWN VERT BARS : 8- 16mmØ TIES : 10mmØ BAR
LAT. TIES : 4 PCS SPCD AT 50mm, 5 PCS SPCD AT 100mm, 6 PCS SPCD AT 150mm AND REST AT 200mm O.C. UP TO H/2			

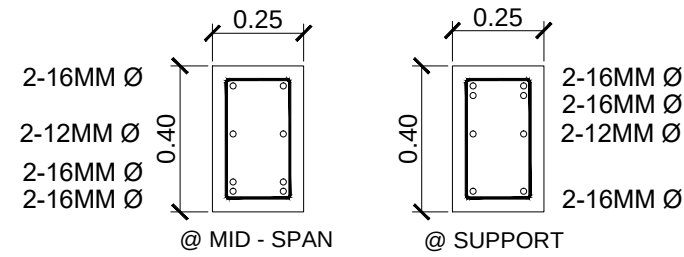


TIN:	Design by:	Project Title:	Noted by:	Checked by:	Checked by:	Conformed by:	Approved by:	Sheet Contents:	CONCEPTED by:
PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	DETAIL OF C2F2 SCHEDULE OF COLUMNS	AutoCAD by:
PTR:									Date Started:
Date:									Date Finished:
Place:		Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT		Place:

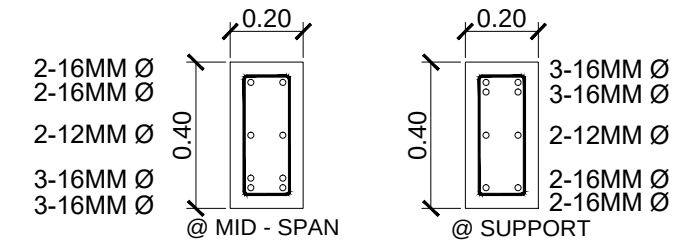
S4	13
SHEET NO.	
15	24



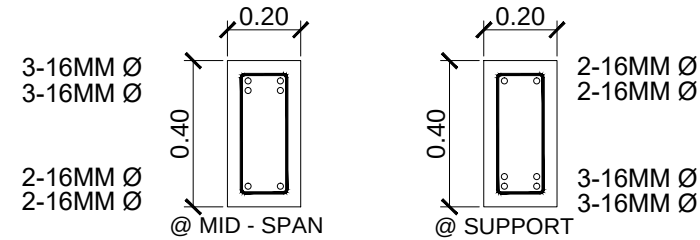
FTB1



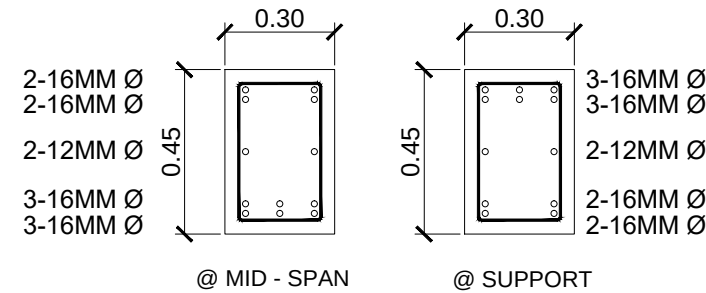
WB



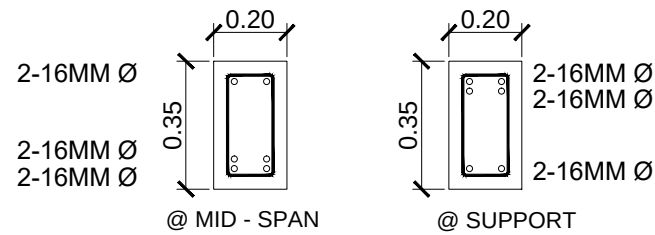
RB2



FTB2



FB



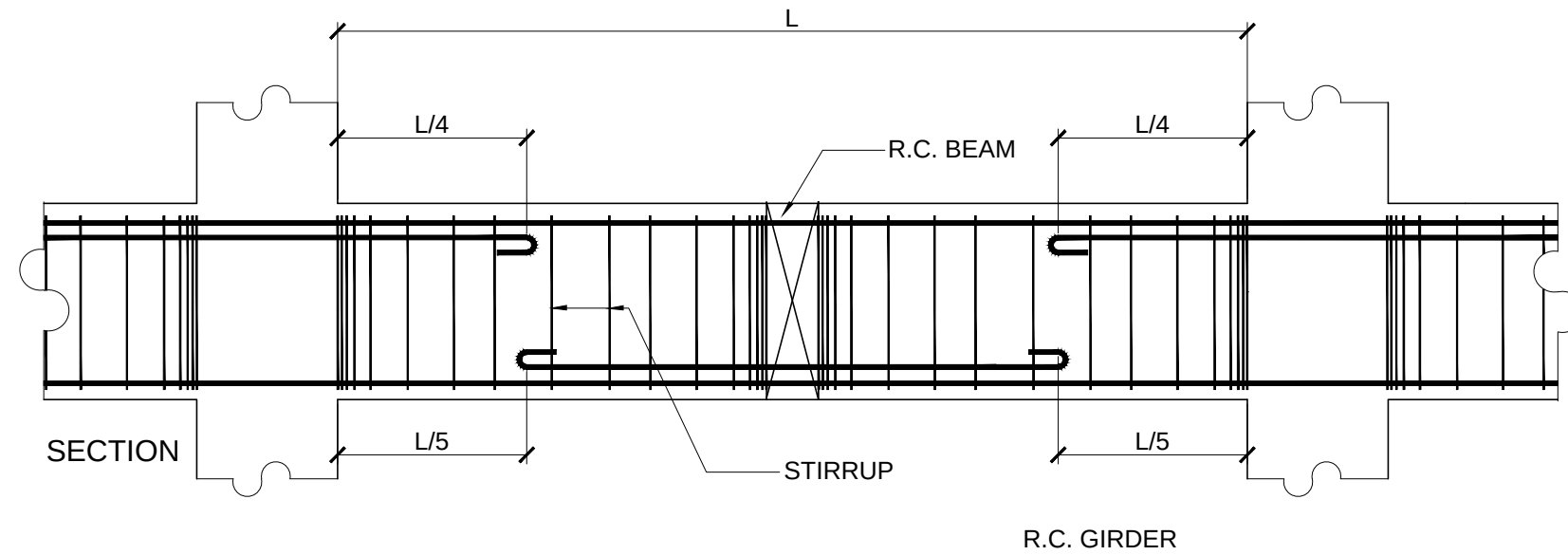
RB1

SCHEDULE OF BEAMS

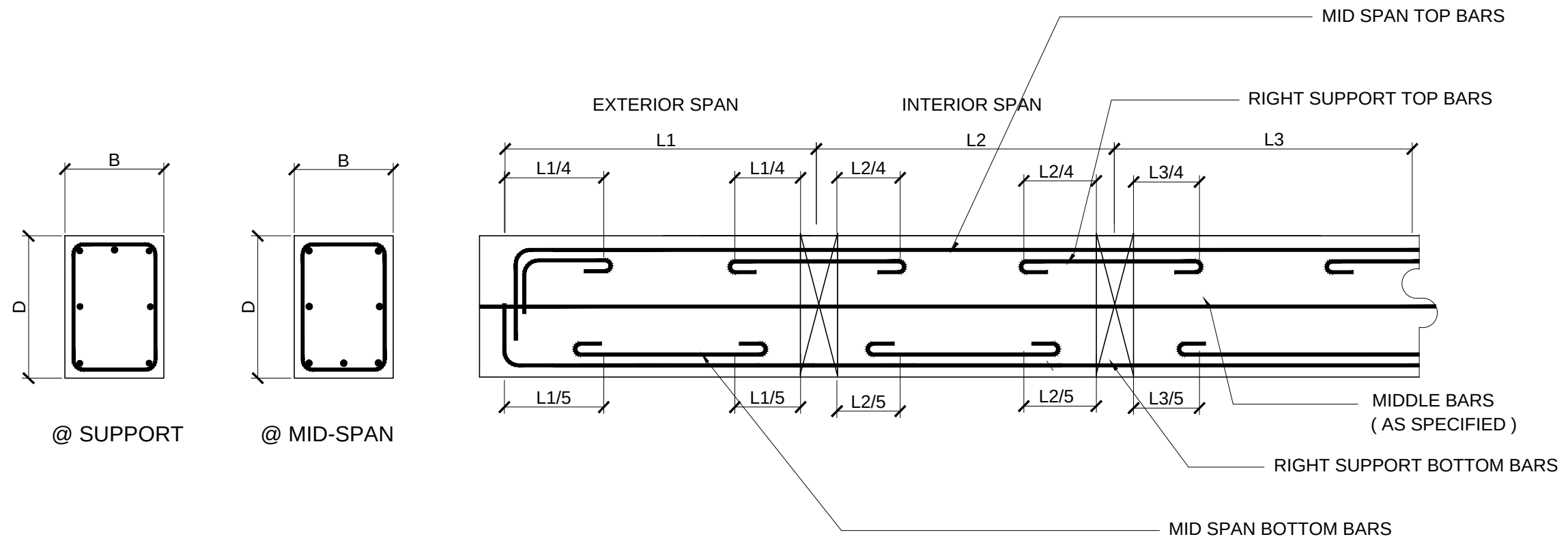
SCHEDULE OF BEAMS									
MARK	LENGTH (m)	STEEL REINFORCEMENT (mm)				SIZE (mm)	MID. BAR (mm)	STIRRUP	REMARKS
		MID - SPAN		SUPPORT					
		TOP	BOTTOM	TOP	BOTTOM				
FB	4.00 / 3.00	4 - 16Ø	6 - 16Ø	6 - 16Ø	4 - 16Ø	300 x 450	2 - 12Ø	A	
FTB1	4.00 / 3.00	4 - 16Ø	2 - 16Ø	2 - 16Ø	4 - 16Ø	250 x 400		A	
FTB2	4.00	4 - 16Ø	2 - 16Ø	2 - 16Ø	4 - 16Ø	200 x 400		A	
RB1	4.00	2 - 16Ø	4 - 16Ø	4 - 16Ø	2 - 16Ø	200 x 350		A	
RB2	4.00 / 3.00	4 - 16Ø	6 - 16Ø	6 - 16Ø	4 - 16Ø	200 x 400	2 - 12Ø	A	
WB	4.00 / 3.00	2 - 16Ø	4 - 16Ø	4 - 16Ø	2 - 16Ø	250 x 400	2 - 12Ø	A	
STIRRUPS									
A : 10 mmØ BAR - 3 PCS SPCD AT 0.05, 4 PCS SPCD AT 0.10, 6 PCS SPCD AT 0.15, AND REST SPCD AT 0.20 M O.C. UP TO MID-SPAN									
B : 10 mmØ BAR - 2 PCS SPCD AT 0.05, 3 PCS SPCD AT 0.10, 5 PCS SPCD AT 0.15, AND REST SPCD AT 0.20 M O.C. UP TO MID-SPAN									



TIN:	Design by:	Project Title:	Noted by:	Checked by:	Checked by:	Conformed by:	Approved by:	Sheet Contents:	CONCEPTED by:	S5 13 SHEET NO. 16 24
PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	SCHEDULE OF BEAMS	AutoCAD by:	
PTR:									Date Started:	
Date:									Date Finished:	
Place:		Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT		Place:	

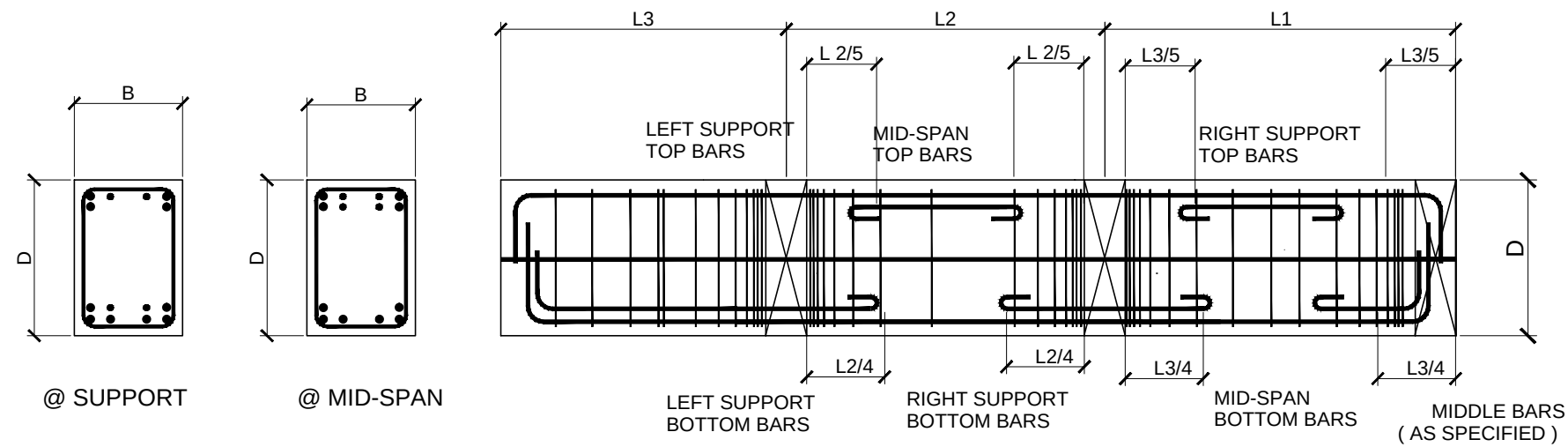


TYPICAL DETAIL OF BEAM SHOWING ADDITIONAL STIRRUPS AT THE INTERSECTION OF BEAM AND GIRDER

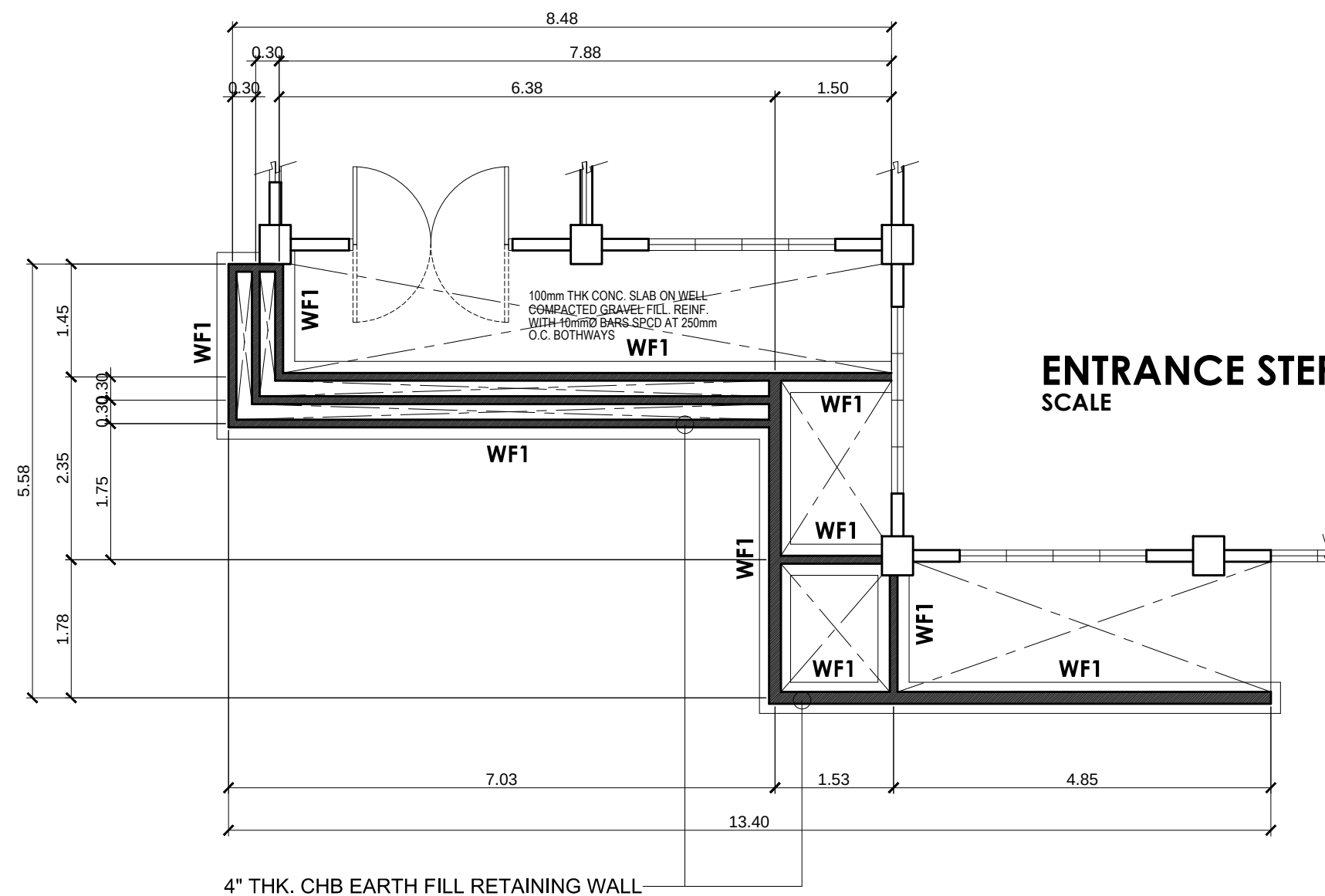


TYPICAL CONVENTIONAL BEAM DETAIL

	TIN:	Design by:	Project Title:	Noted by:	Checked by:	Checked by:	Conformed by:	Approved by:	Sheet Contents:	CONCEPTED by:	S613 SHEET NO. 1724
	PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	TYPICAL DETAIL OF BEAM SHOWING ADDITIONAL STIRRUPS	AutoCAD by:	
	PTR:								TYPICAL CONVENTIONAL BEAM DETAIL	Date Started:	
	Date:									Date Finished:	
	Place:		Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT		Place:	



TYPICAL FOOTING TIE BEAM (FTB) DETAIL



ENTRANCE STEPS & PWD RAMP FOUNDATION PLAN
SCALE 1:75 METERS



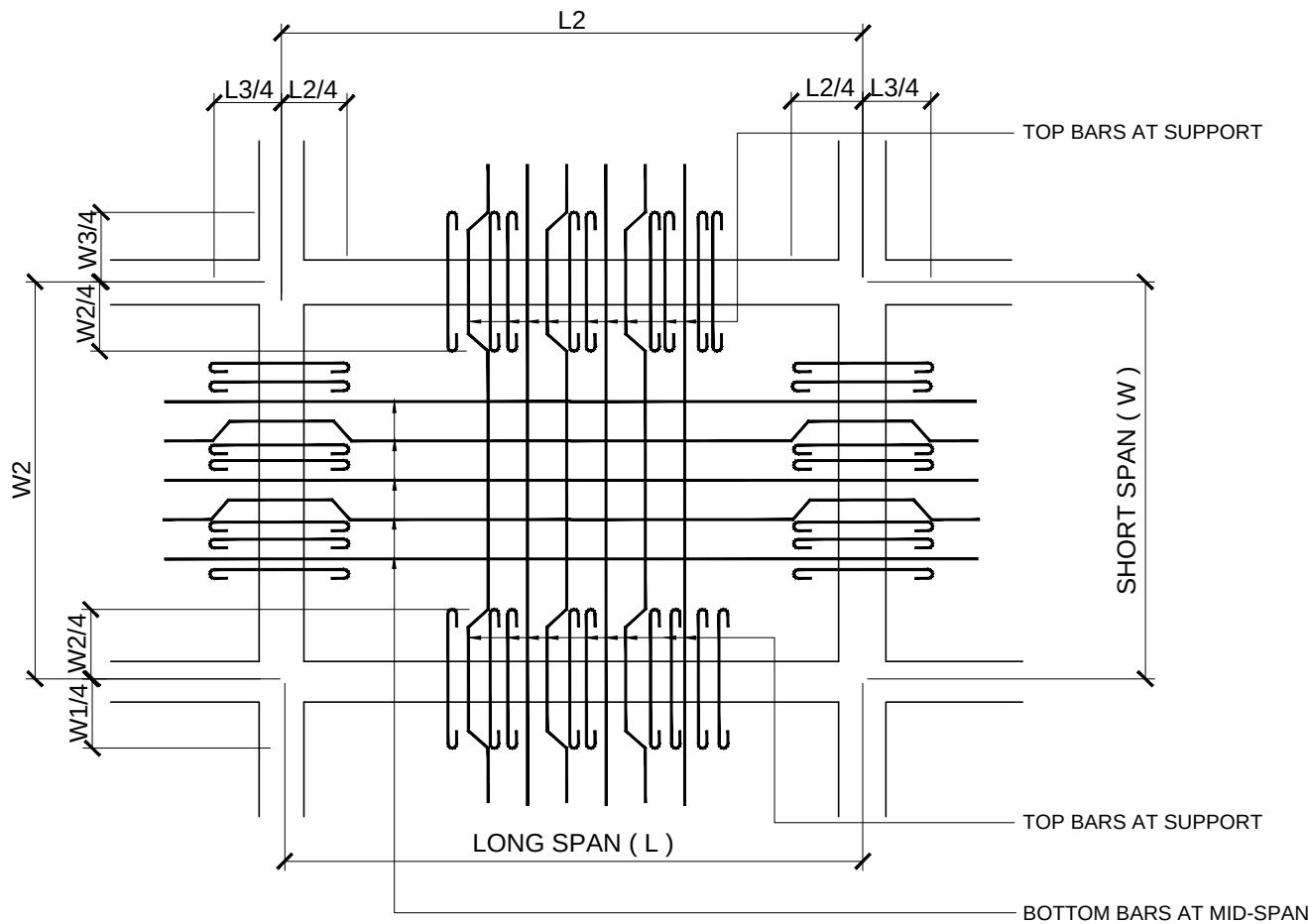
TIN:	Design by:	Project Title:	Noted by:	Checked by:	Checked by:	Conformed by:	Approved by:	Sheet Contents:	CONCEPTED by:	S713 SHEET NO. 1824
PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	TYPICAL FOOTING TIE BEAM DETAIL	AutoCAD by:	
PTR:								ENTRANCE STEPS & PWD RAMP FOUNDATION PLAN	Date Started:	
Date:									Date Finished:	
Place:		Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT		Place:	

SCHEDULE OF FLOOR SLABS

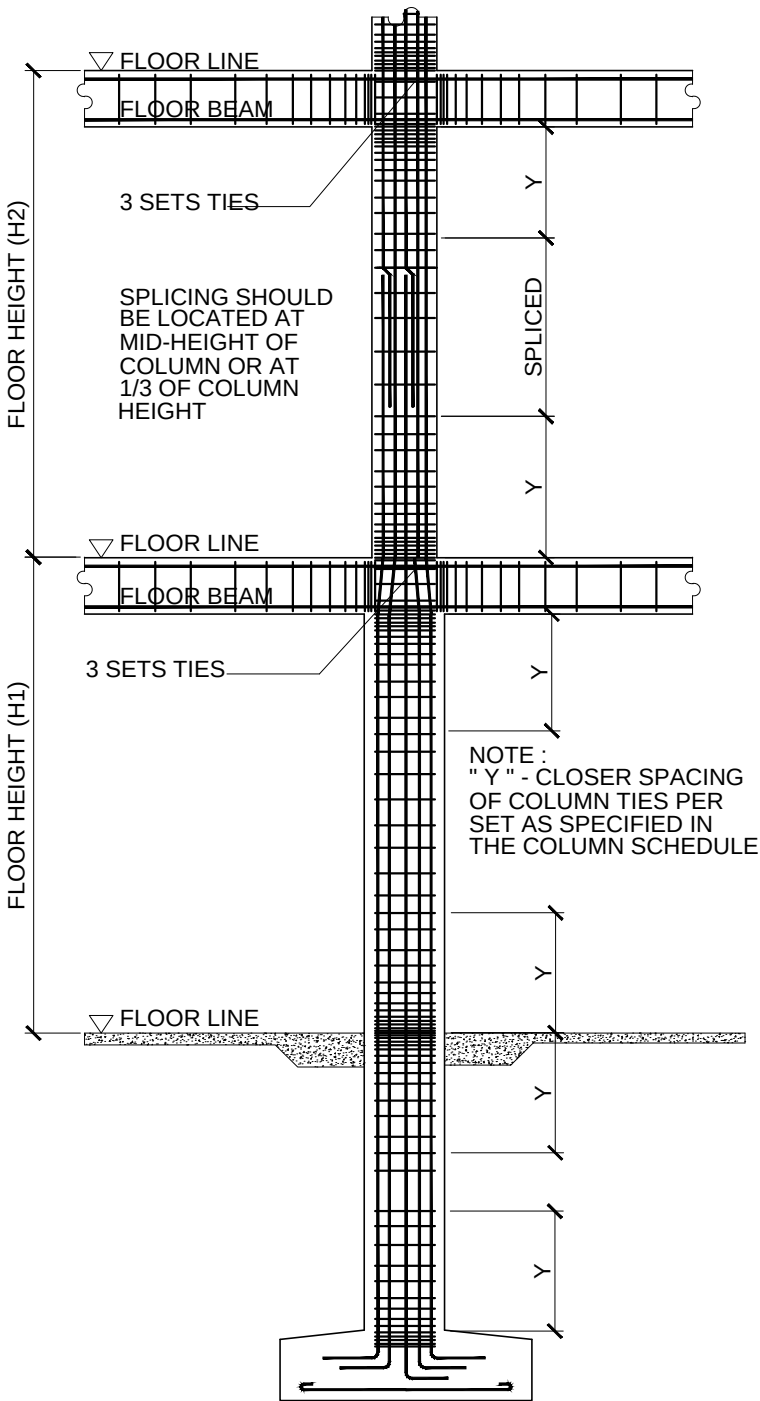
MARK	THICKNESS (MM)	R E I N F O R C E M E N T (M M)				EXTRA BARS	REMARKS
		BARS PARALLEL TO SHORT SPAN		BARS PARALLEL TO LONG SPAN			
		TOP AT SUPPORT	BOTTOM AT MID-SPAN	TOP AT SUPPORT	BOTTOM AT MID-SPAN		
FS1	125	12 Ø @ 100	12 Ø @ 150	12 Ø @ 117	12 Ø @ 175	2 - 12mm Ø	TWO-WAY

NOTES :

1. IN TWO- WAYS SLABS, THE BARS ALONG THE SHORT SPAN BE AT THE LOWER LAYER FOR BOTTOM BARS, AND AT THE UPPER LAYER FOR TOP BARS SO THAT THE BARS ALONG THE SHORTER SPAN SHALL HAVE THE BIGGER EFFECTIVE DEPTH, UNLESS OTHERWISE DETAILED OR NOTED DUE TO THE CONTINUITY OF BARS FROM ADJOINING SPAN.
2. IF THE TOP BARS REINFORCEMENT OVER A COMMON SUPPORT OF TWO ADJACENT SPAN ARE DIFFERENT, THE SMALLER SPACING SHALL BE FOLLOWED OR ADAPTED ON BOTH SLAB PANELS AT THE COMMON SUPPORT.
3. BARS SHALL BE SPLICED ONLY WHERE INDICATED ON DETAILS OR AS APPROVED BY THE STRUCTURAL ENGINEER. STRAIGHT CONTINUOUS BARS IN SLAB MAY BE SPLICED (LAPPED OR WELDED) AT SUPPORT FOR BOTTOM BARS AND AT MID SPAN FOR TOP BARS.



TYPICAL DETAIL OF TWO-WAY SLAB

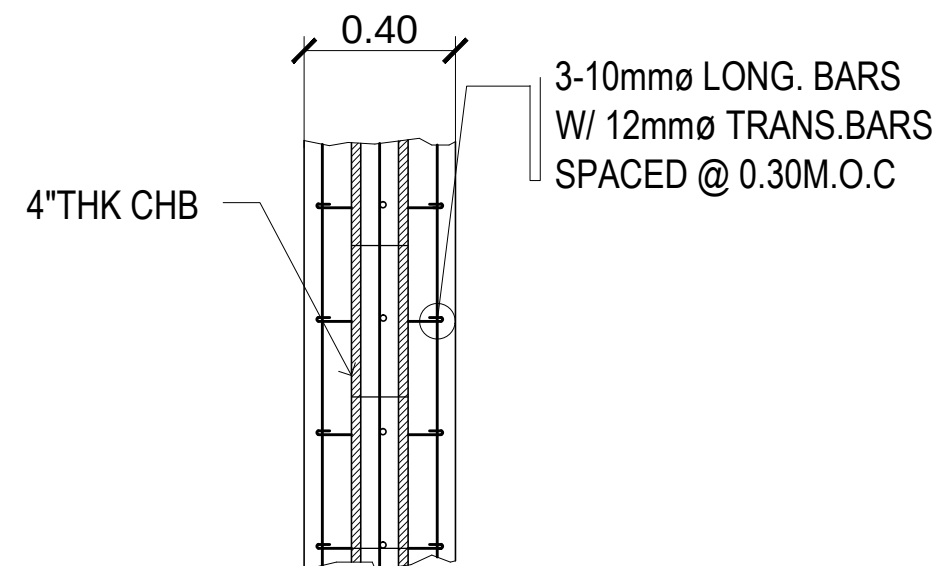
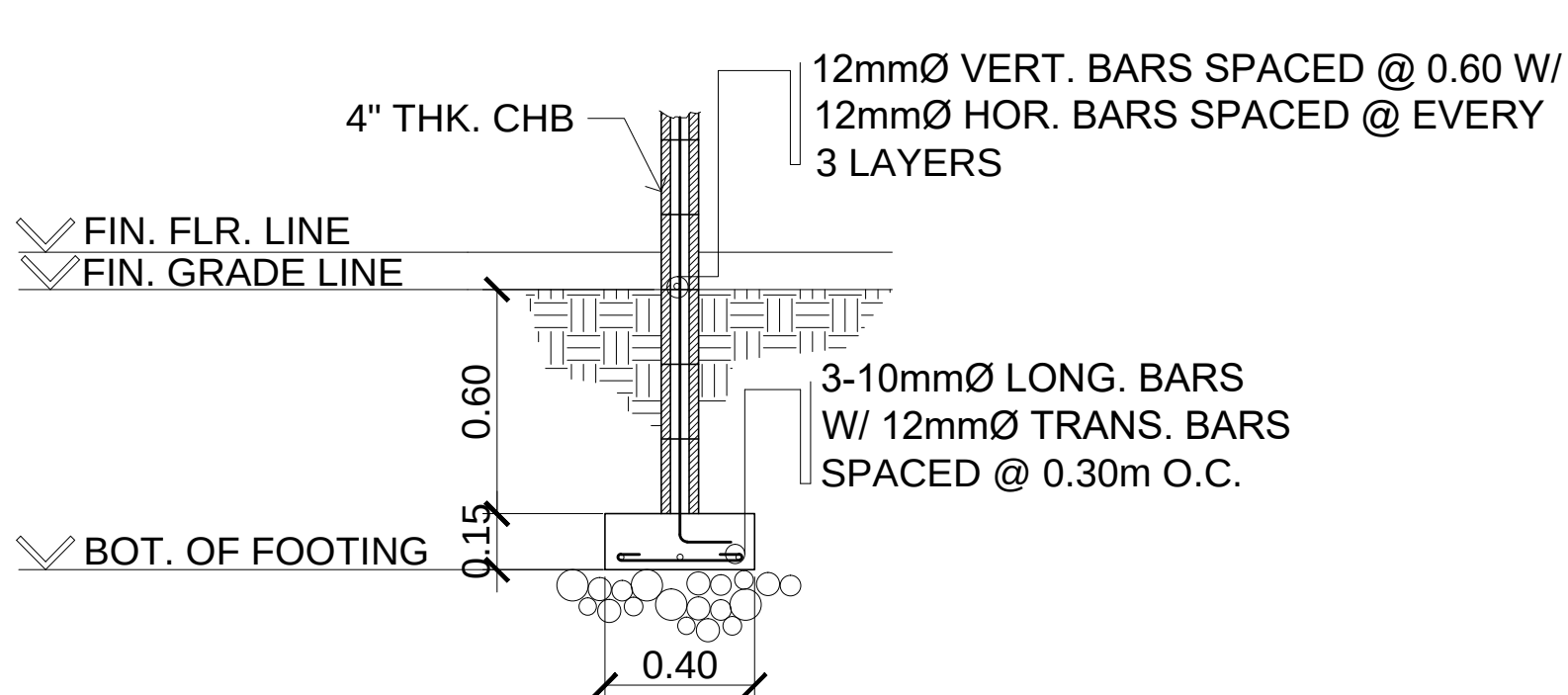


ELEVATION OF TIED COLUMN
(SHOWING TIE OR HOOP SPACING)

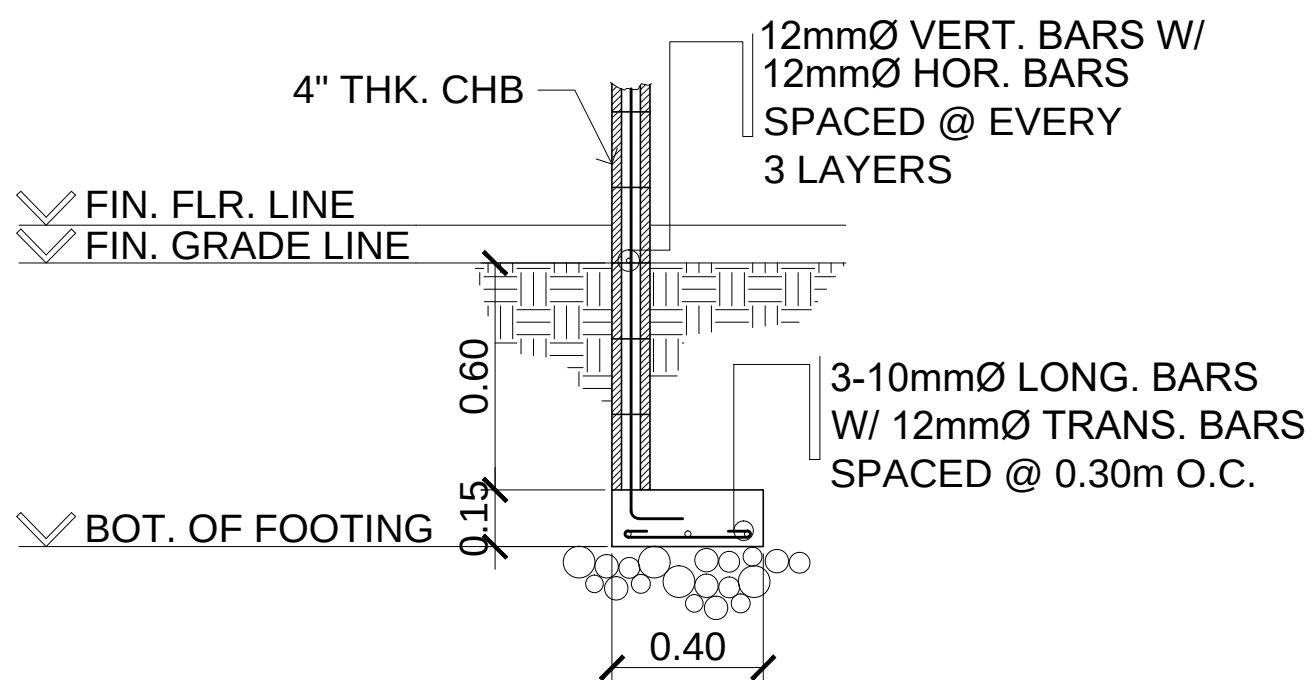


TIN:	Design by:	Project Title:	Noted by:	Checked by:	Checked by:	Conformed by:	Approved by:	Sheet Contents:	CONCEPTED by:
PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	SCHEDULE OF FLOOR SLABS	AutoCAD by:
PTR:								TYPICAL DETAIL OF TWO WAY SLAB	Date Started:
Date:								ELEVATION OF TIED COLUMN	Date Finished:
Place:		Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT		Place:

S8	13
SHEET NO.	
19	24

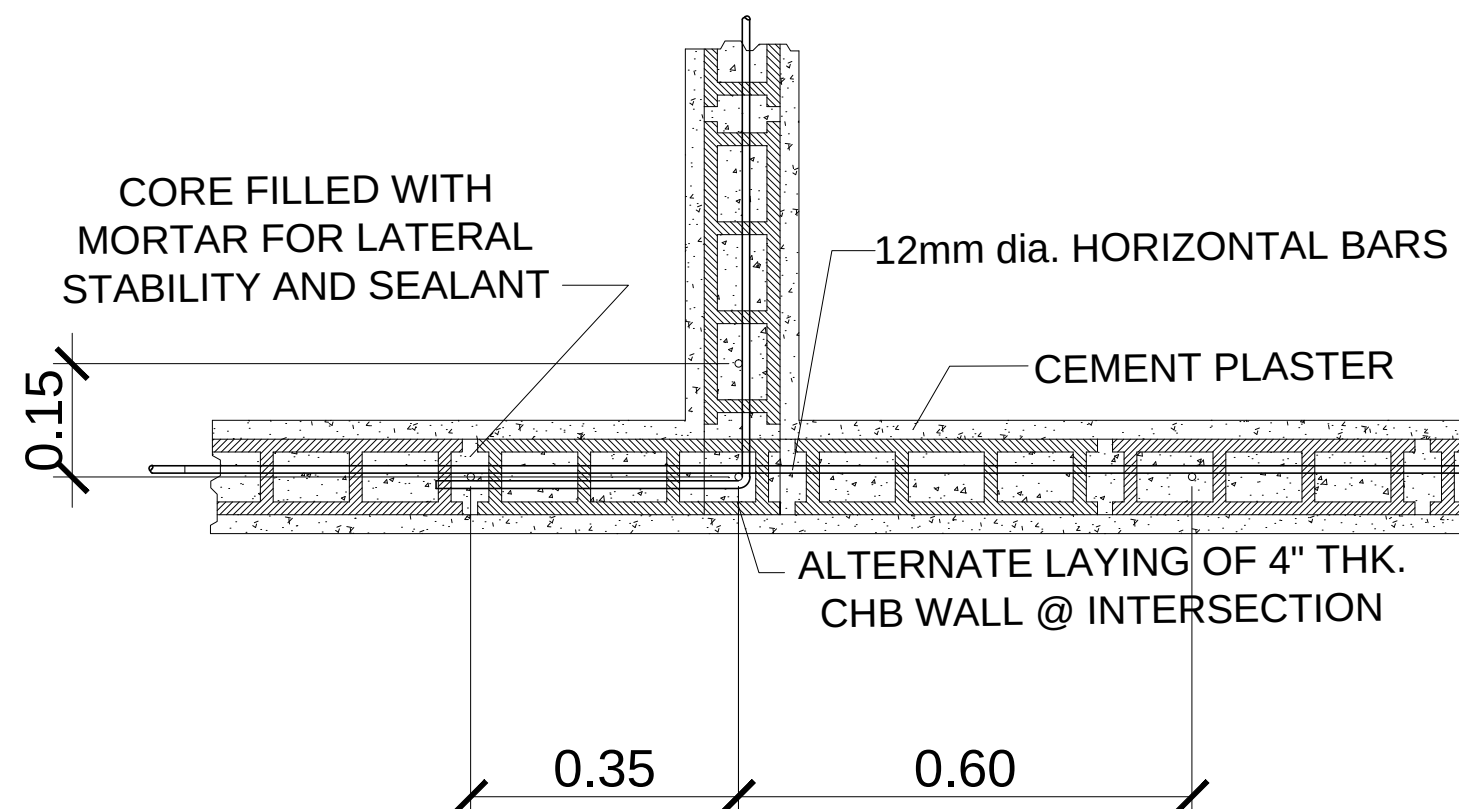


PLAN



SECTION

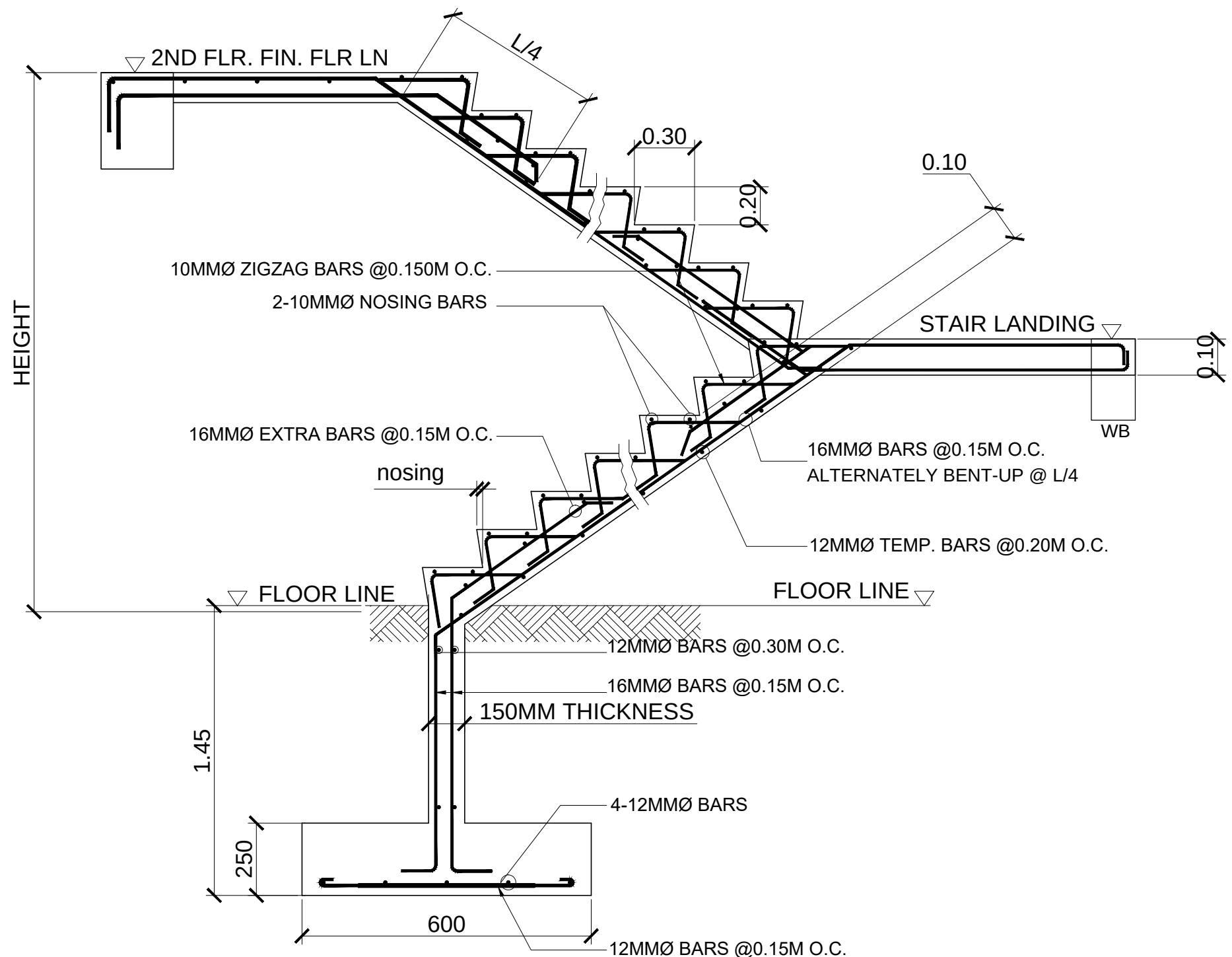
DETAIL OF WALL FOOTING
SCALE 1:20 METERS



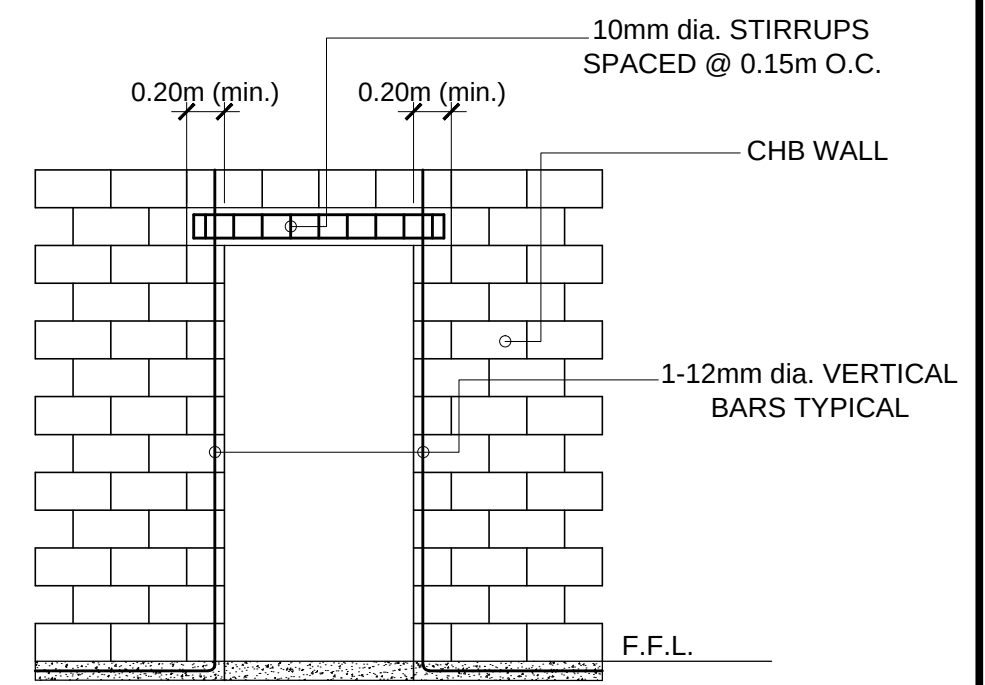
DETAIL OF WALL INTERSECTION
SCALE 1:10 METERS



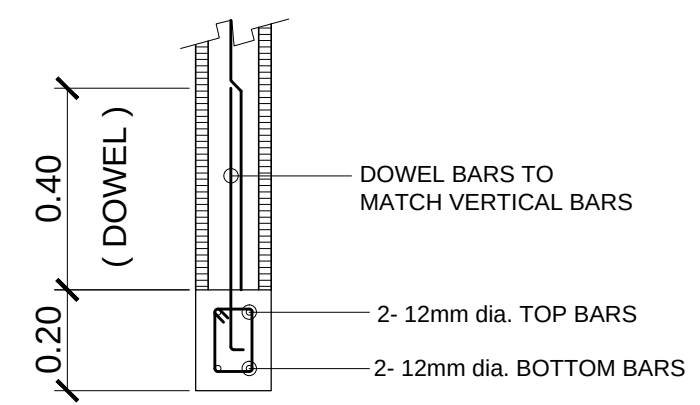
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PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	DETAIL OF WALL FOOTING	AutoCAD by:	
PTR:								DETAIL OF WALL INTERSECTION	Date Started:	
Date:									Date Finished:	
Place:		Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT		Place:	



STRUCTURAL DETAIL OF STAIRS
SCALE NTS



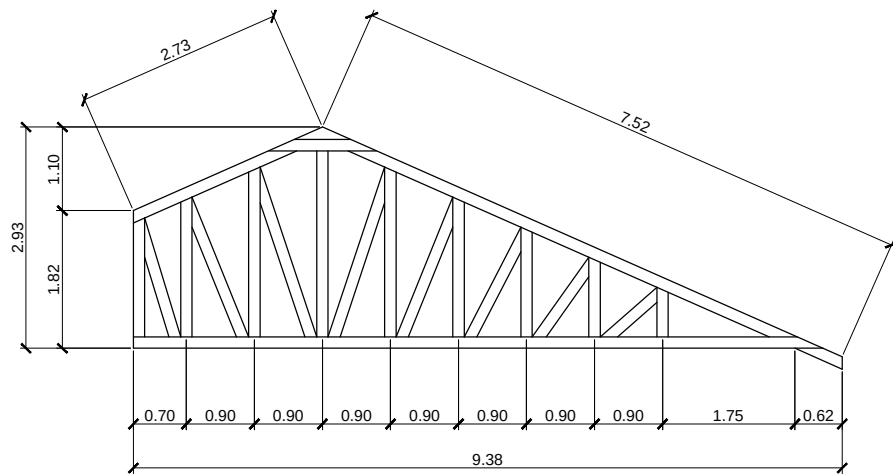
ELEVATION



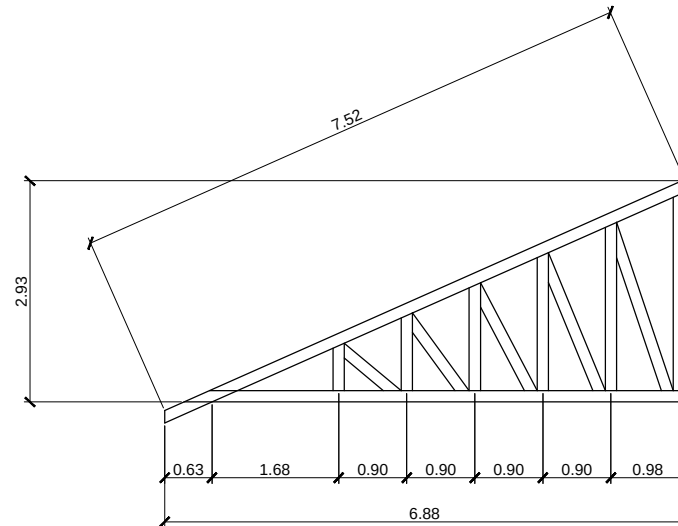
SECTION
NTS

TYPICAL DETAIL OF LINTEL BEAM AT CHB WALL OPENING
SCALE 1:40 METERS

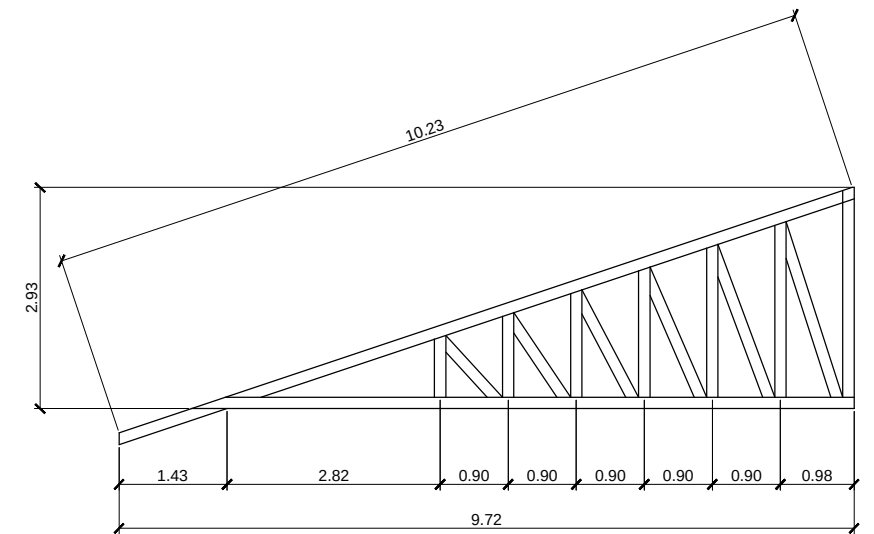
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	PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	STRUCTURAL DETAIL OF STAIRS	AutoCAD by:	
	PTR:								TYPICAL DETAIL OF LINTEL BEAM AT CHB WALL OPENING	Date Started:	
	Date:								Date Finished:		
	Place:								Place:		
		Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT				



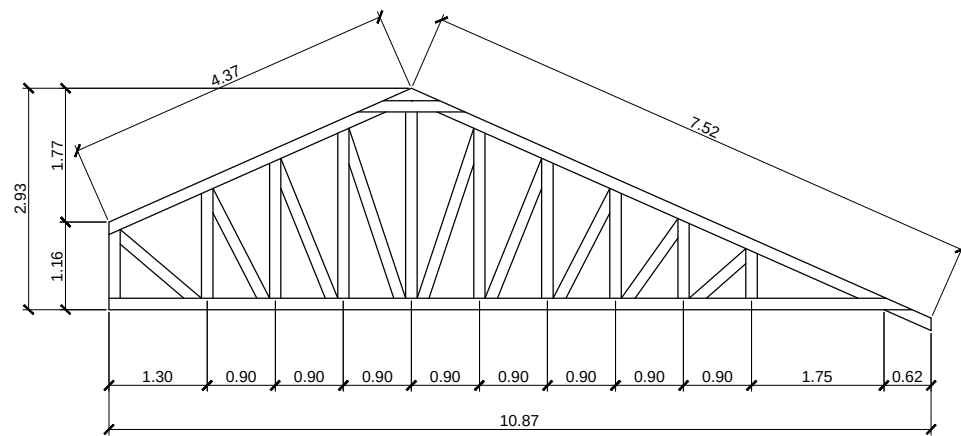
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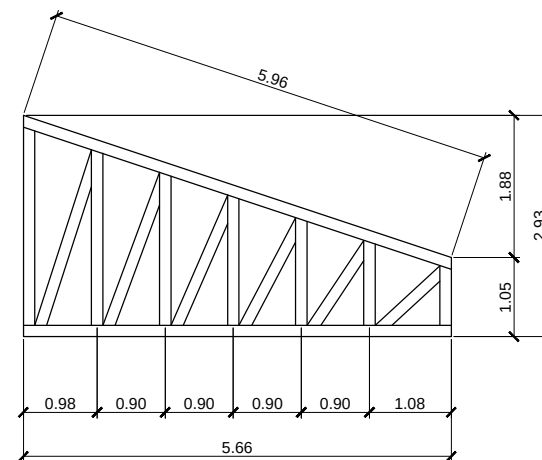
HTRUSS 1 (1 UNIT)



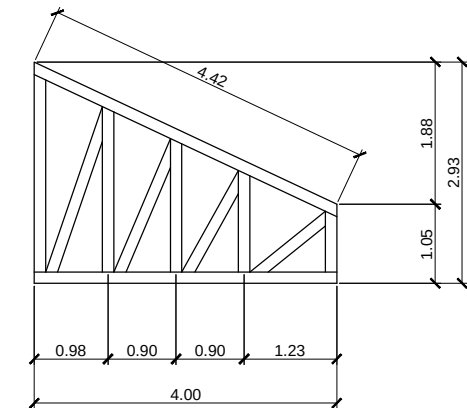
HTRUSS 2 (3 UNITS)



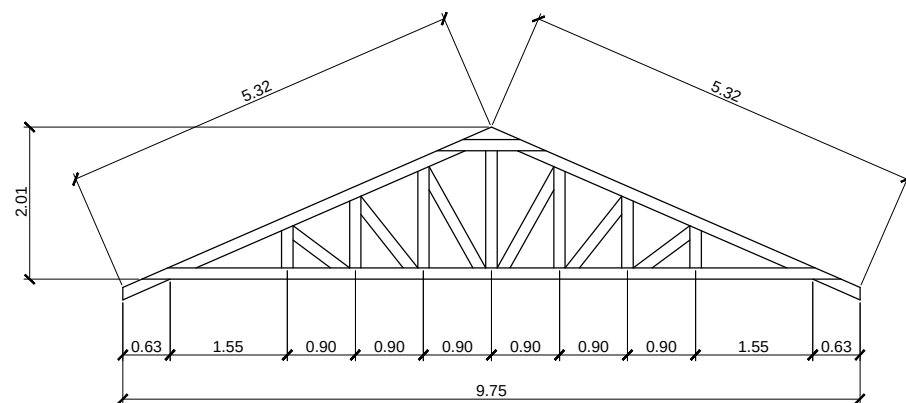
TRUSS 2 (2 UNITS)



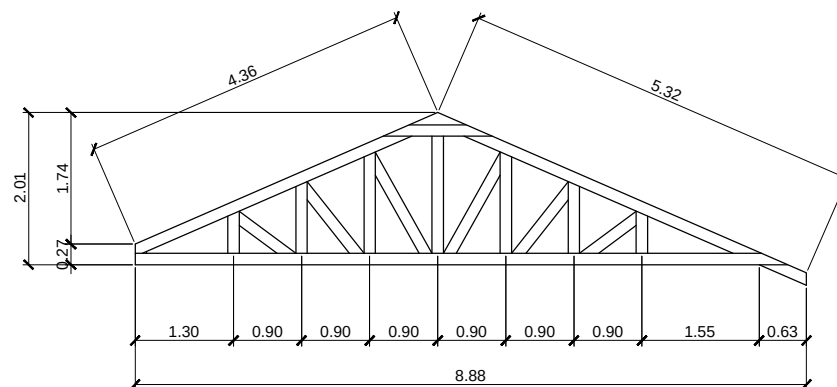
HTRUSS 3 (1 UNIT)



HTRUSS 4 (1 UNIT)



TRUSS 3 (2 UNITS)

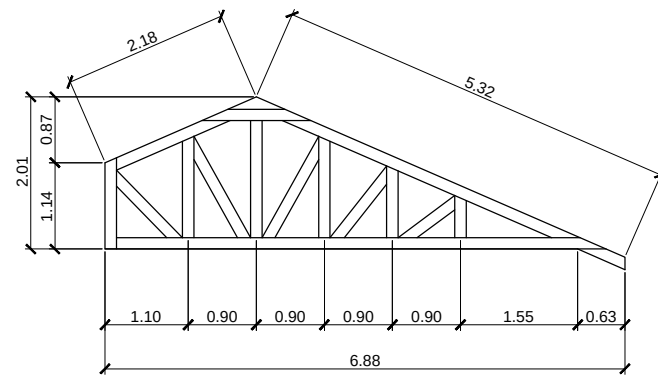


TRUSS 4 (1 UNIT)

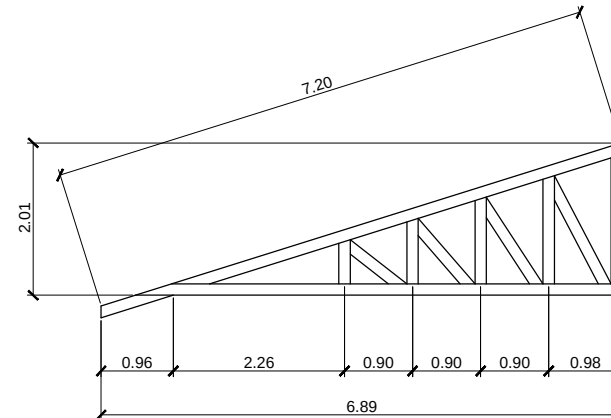
TRUSS DIAGRAM
SCALE 1:100 METERS



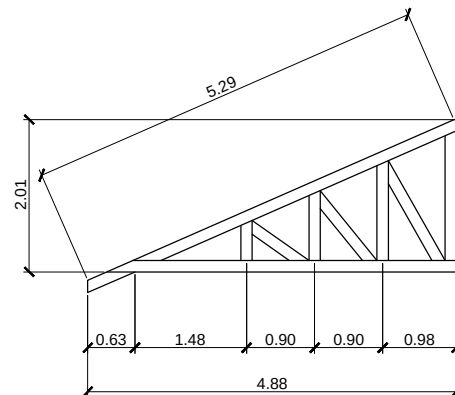
TIN:	Design by:	Project Title:	Noted by:	Checked by:	Checked by:	Conformed by:	Approved by:	Sheet Contents:	CONCEPTED by:	S11 13 SHEET NO. 22 24
PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	TRUSS DIAGRAM:	AutoCAD by:	
PTR:								TRUSS 1, HTRUSS 1, HTRUSS 2	Date Started:	
Date:								TRUSS 2, HTRUSS 3, HTRUSS 4	Date Finished:	
Place:		Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT	TRUSS 3, HTRUSS 4, TRUSS 3, TRUSS 4	Place:	



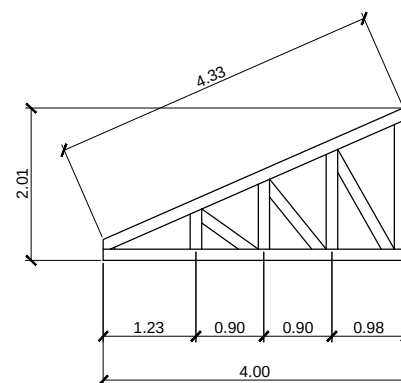
TRUSS 5 (2 UNITS)



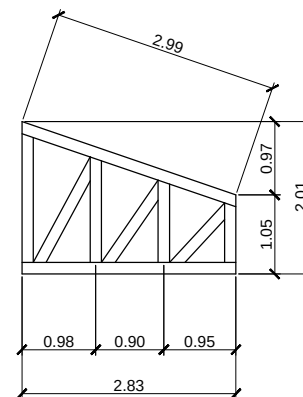
HTRUSS 5 (5 UNITS)



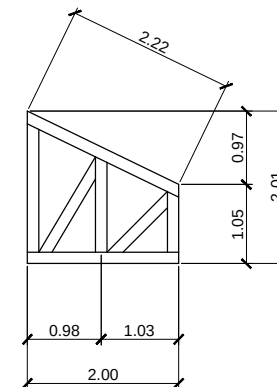
HTRUSS 6 (4 UNITS)



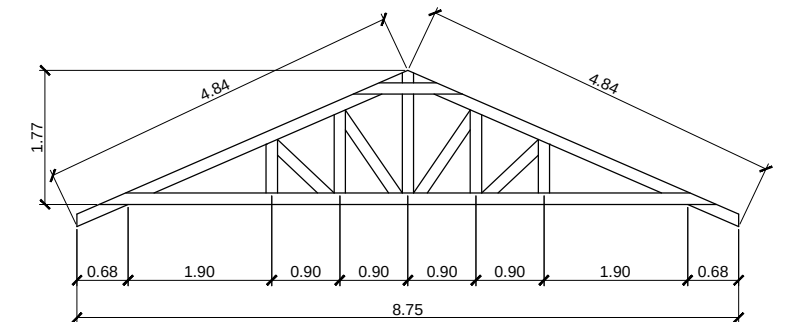
HTRUSS 7 (5 UNITS)



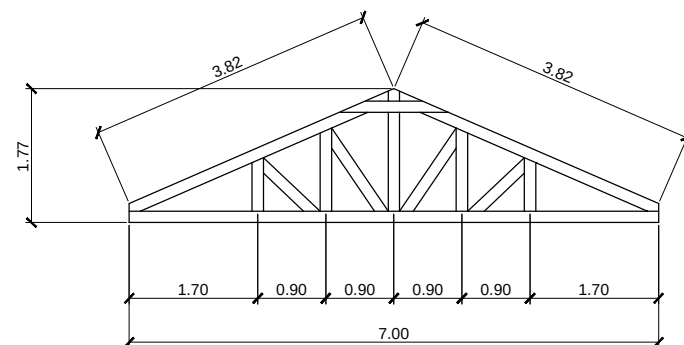
HTRUSS 8 (2 UNITS)



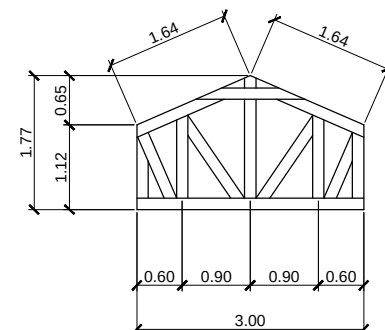
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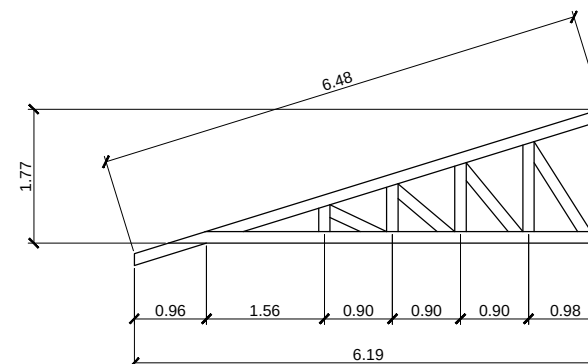
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TRUSS 7 (1 UNIT)



TRUSS 8 (1 UNIT)



HTRUSS 10 (4 UNITS)

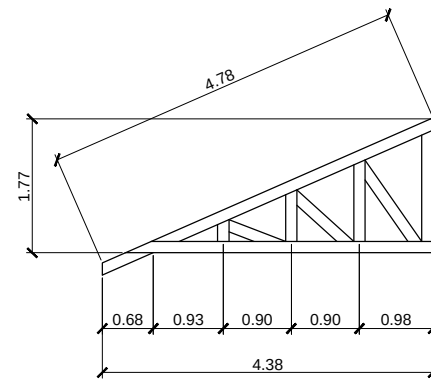
TRUSS DIAGRAM

SCALE 1:100 METERS

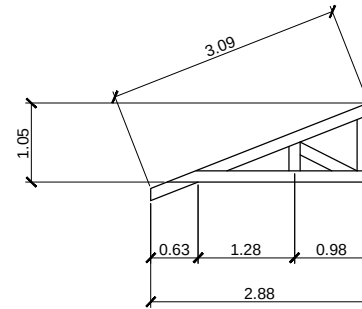


TIN:	Design by:	Project Title:	Noted by:	Checked by:	Checked by:	Conformed by:	Approved by:	CONCEPTED by:	S1213 SHEET NO. 2324
PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	AutoCAD by:	
PTR:								Date Started:	
Date:								Date Finished:	
Place:		Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT	Place:	

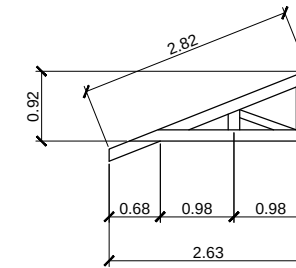
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TRUSS 5, HTRUSS 5, HTRUSS 6
HTRUSS 7, HTRUSS 8, HTRUSS 9
TRUSS 6, TRUSS 7, TRUSS 8,
HTRUSS 10



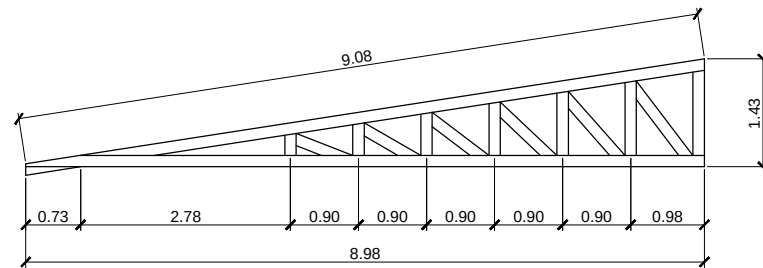
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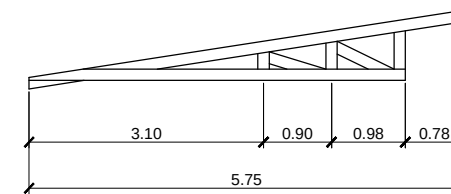
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HTRUSS 13 (4 UNITS)



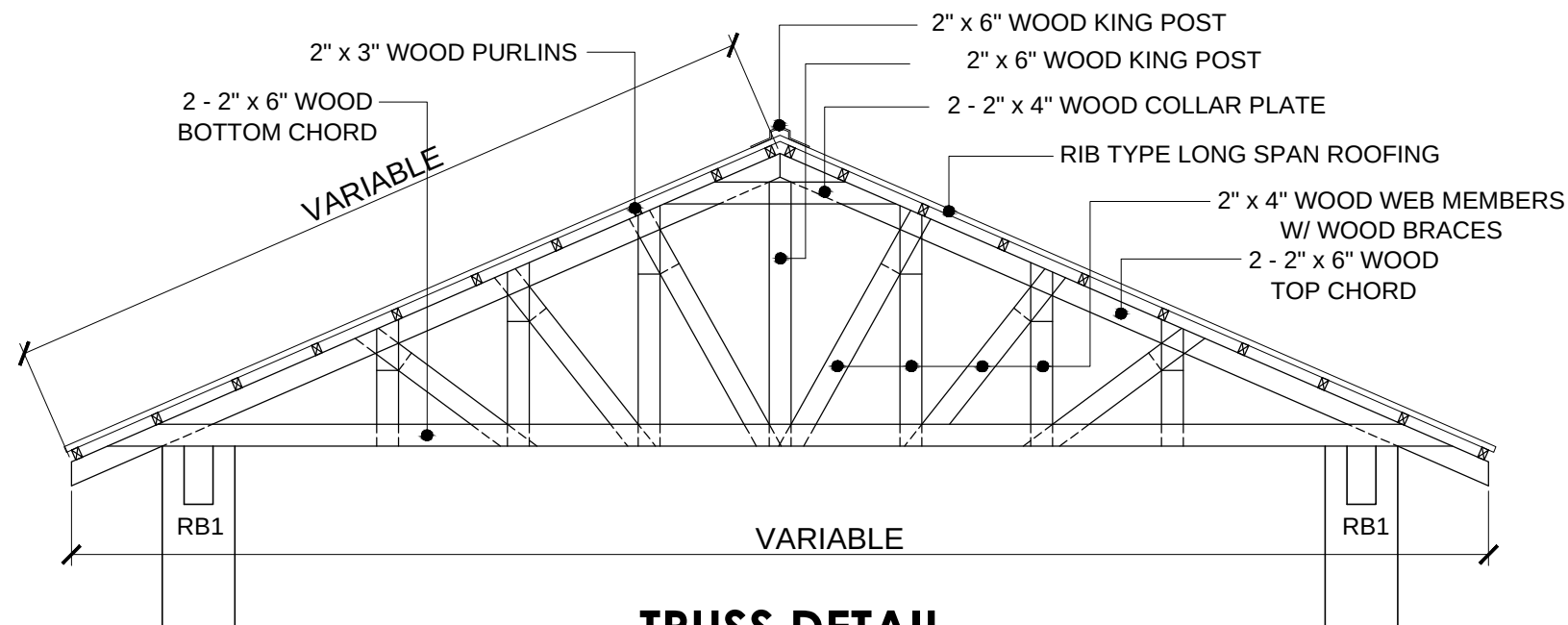
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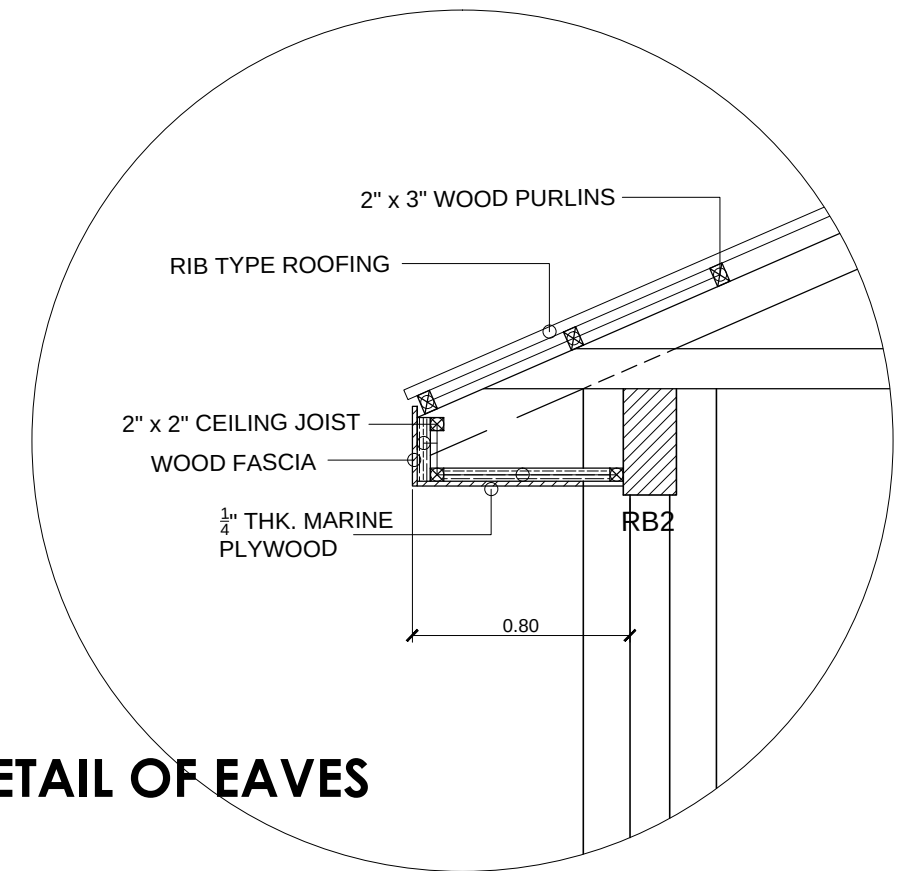
HTRUSS 15 (2 UNITS)

TRUSS DIAGRAM

SCALE 1:100 METERS



TRUSS DETAIL
SCALE 1:50 METERS



SPOT DETAIL OF EAVES



TIN:	Design by:	Project Title:	Noted by:	Checked by:	Checked by:	Conformed by:	Approved by:	CONCEPTED by:	TRUSS DIAGRAM: HTRUSS 11, HTRUSS 12, HTRUSS 13, HTRUSS 14, HTRUSS 15 TRUSS DETAIL SPOT DETAIL OF EAVES	S13 13
PRC:		CONSTRUCTION OF A TWO-STOREY MARINE MULTI-SPECIES HATCHERY BUILDING	ARNEL G. AGRAVA	Dr. DILBERTO O. FERRAREN	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	AutoCAD by:		SHEET NO.
PTR:								Date Started:		24 24
Date:								Date Finished:		
Place:		Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	HEAD, Office of the Planning & Infrastructure Management VSU - Tolosa	OVPPRGAS	DIRECTOR, GSD	VP FOR FINANCE & ADMINISTRATION	VSU PRESIDENT	Place:		