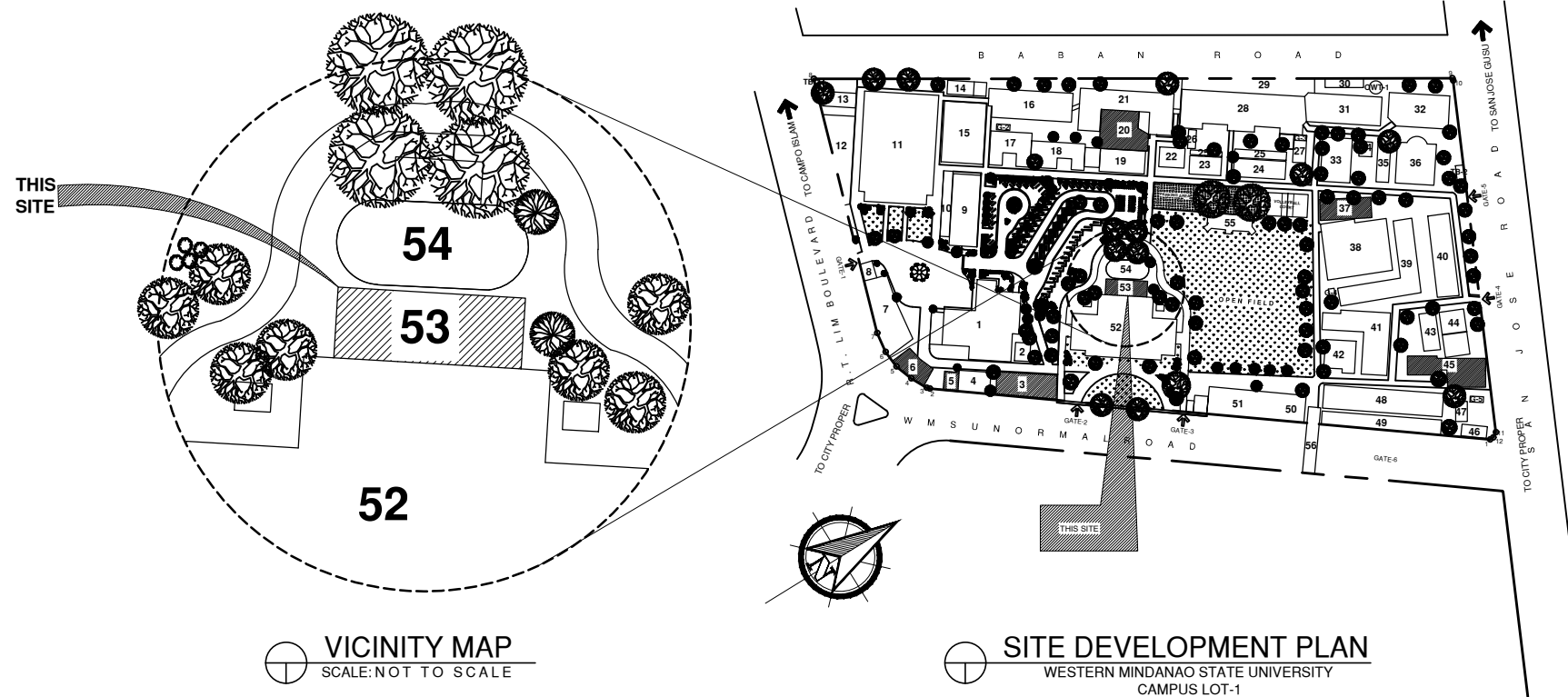




PERSPECTIVES
SCALE: NOT TO SCALE



VICINITY MAP
SCALE: NOT TO SCALE

SITE DEVELOPMENT PLAN
WESTERN MINDANAO STATE UNIVERSITY
CAMPUS LOT-1

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DPWH

OFFICE OF THE BUILDING OFFICIALS
ZAMBOANGA CITY

ARCHITECTURAL

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ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

ELECTRICAL



DESIGNED BY:
ARCH. JOSEPH ANDREW L. SAHIAL, uap
UNIVERSITY ARCHITECT
PRC: 0010577 PTR: 2559115 TIN: 445013228

PROJECT TITLE:
**RENOVATION OF ZAMBOANGA NORMAL
SCHOOL BUILDING AZOTEA**
LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY

REQUISITIONER
DR. MELANIE F. LEAR
FOCAL PERSON, UNIVERSITY MUSEUM

RECOMMENDING APPROVAL
ARCH. JOSEPH ANDREW L. SAHIAL, uap
DIRECTOR OF PHYSICAL PLANT
AND ENGINEERING SERVICES
PRC: 0010577 PTR: 2559115 TIN: 445013228

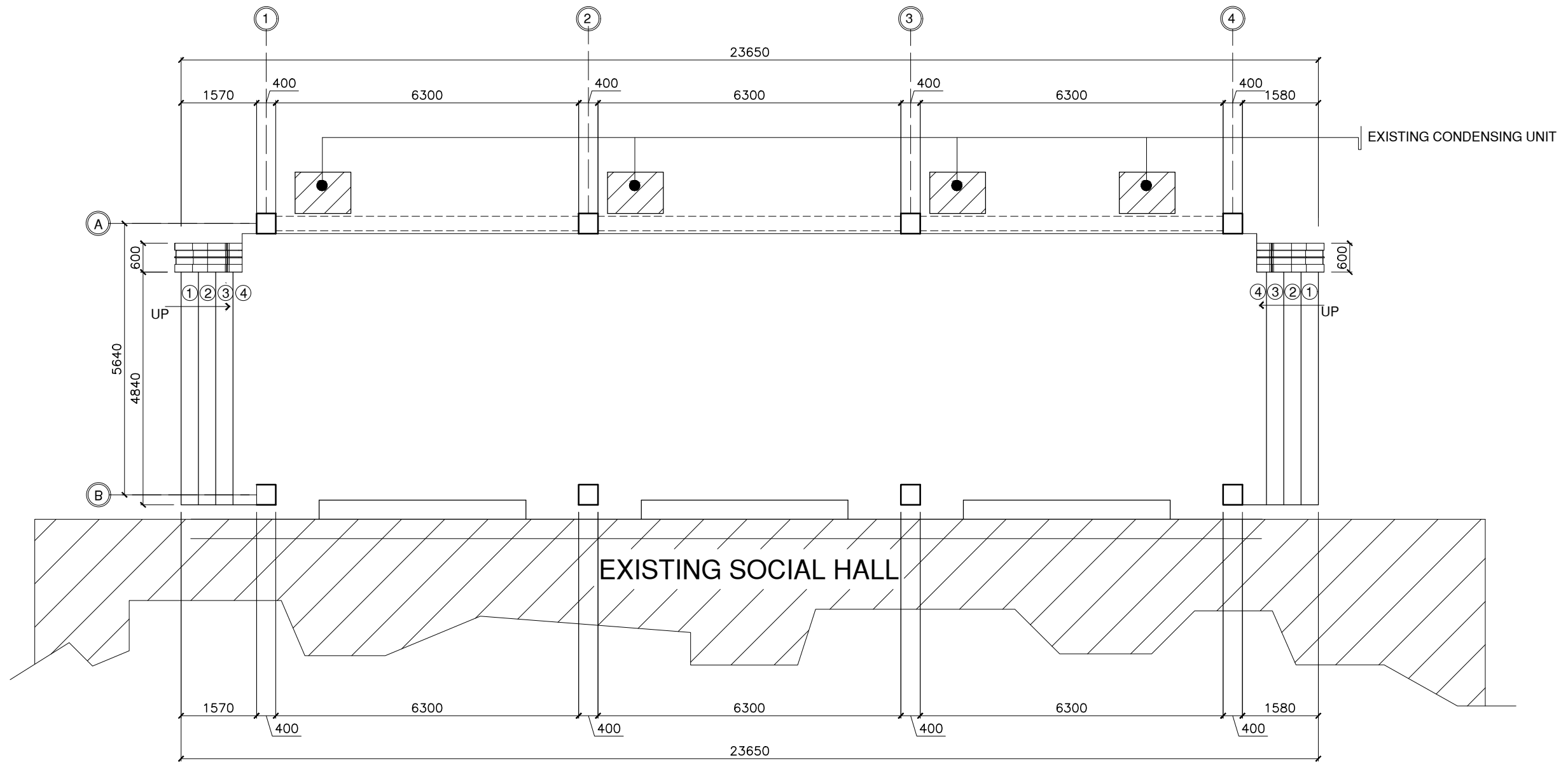
RECOMMENDING APPROVAL
DR. JOSELITO D. MADROÑAL
VICE PRESIDENT FOR ADMIN
AND FINANCE

APPROVED BY:
DR. MA. CARLA A. OCHOTORENA
WMSU-PRESIDENT







SHEET CONTENTS
-PERSPECTIVES
-VICINITY MAP
-SITE DEV PLAN
DRAFTED BY:
GBD
CBD

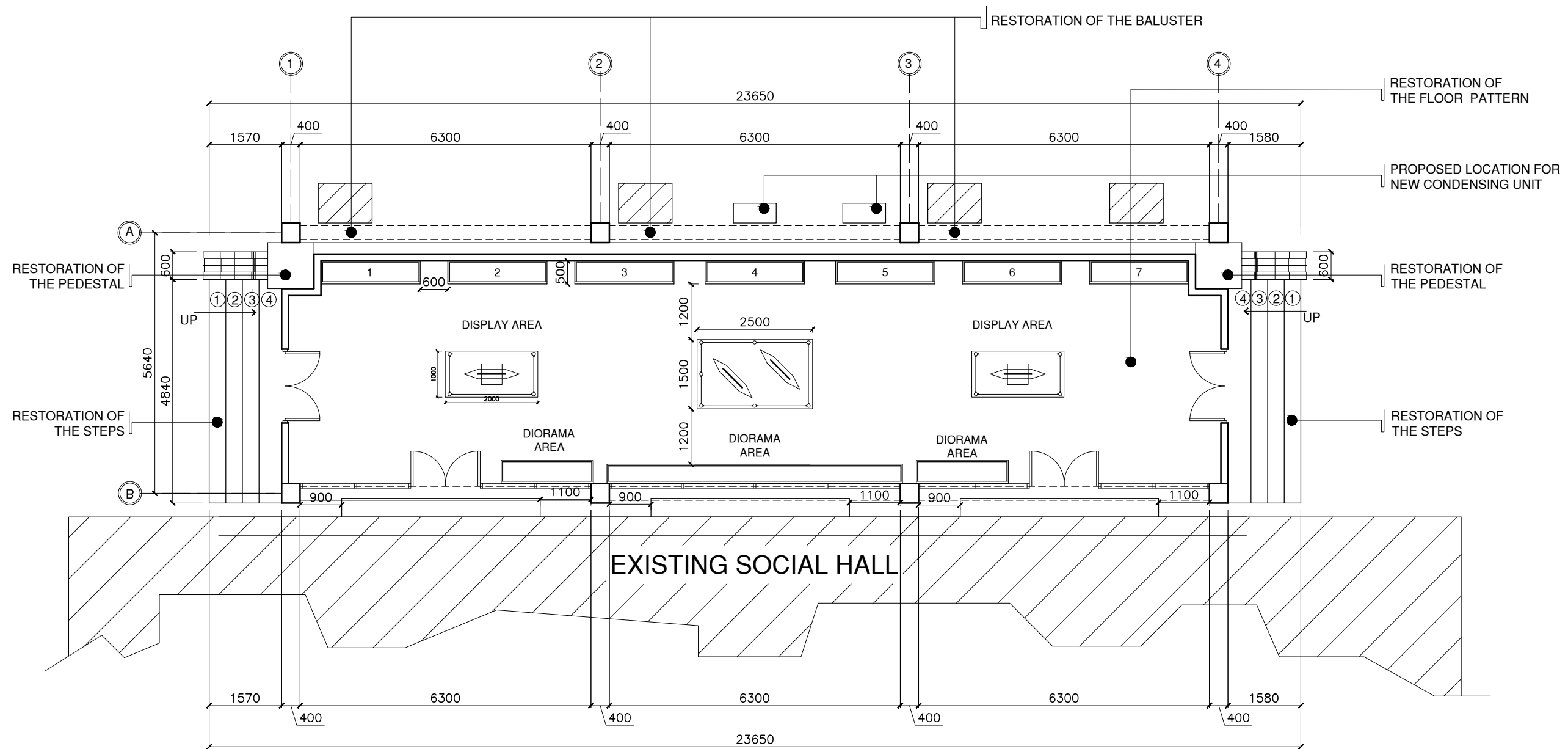
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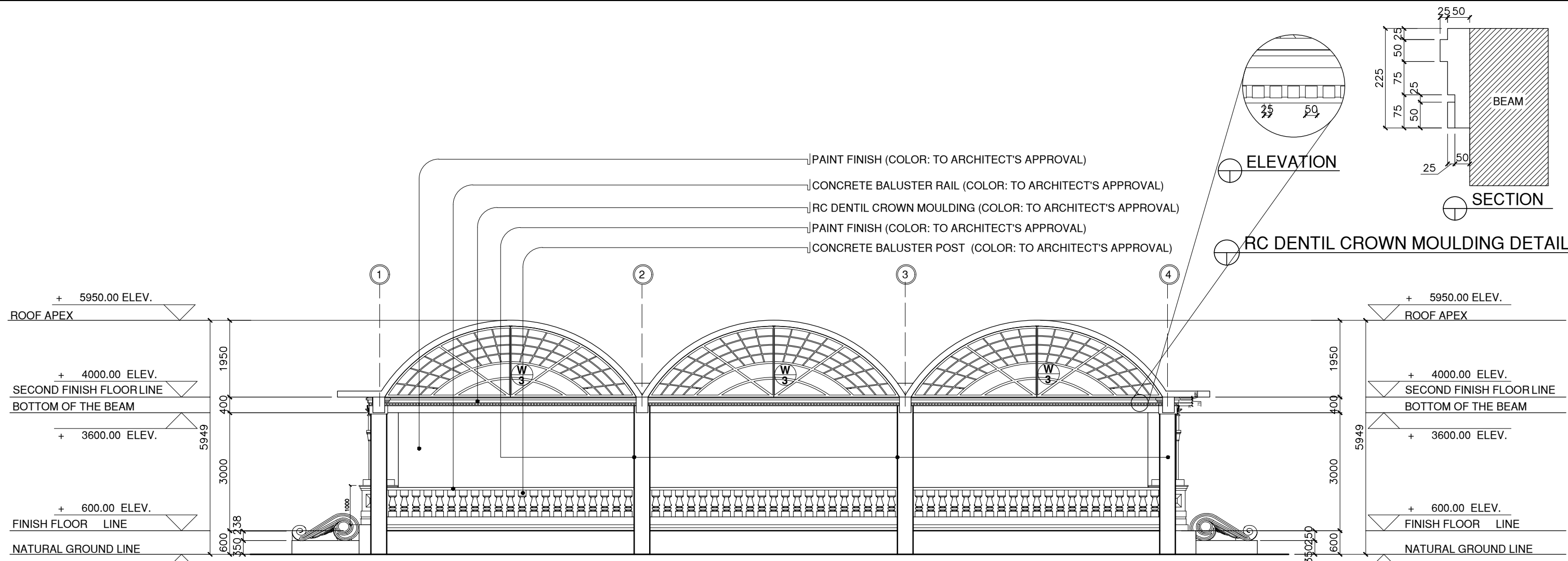
TOTAL FLOOR AREA: 96.314 SQM
EXISTING PLAN
 SCALE: 1:100 MTRS

	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET NO.
	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	 DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	 ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	 DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	 DR. MA. CARLINA A. OCHOTORENA WMSU-PRESIDENT	-EXISTING PLAN DRAFTED BY: GBD PRC	
PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY		PRC: 0010577 PTR: 2559115 TIN: 445013228					

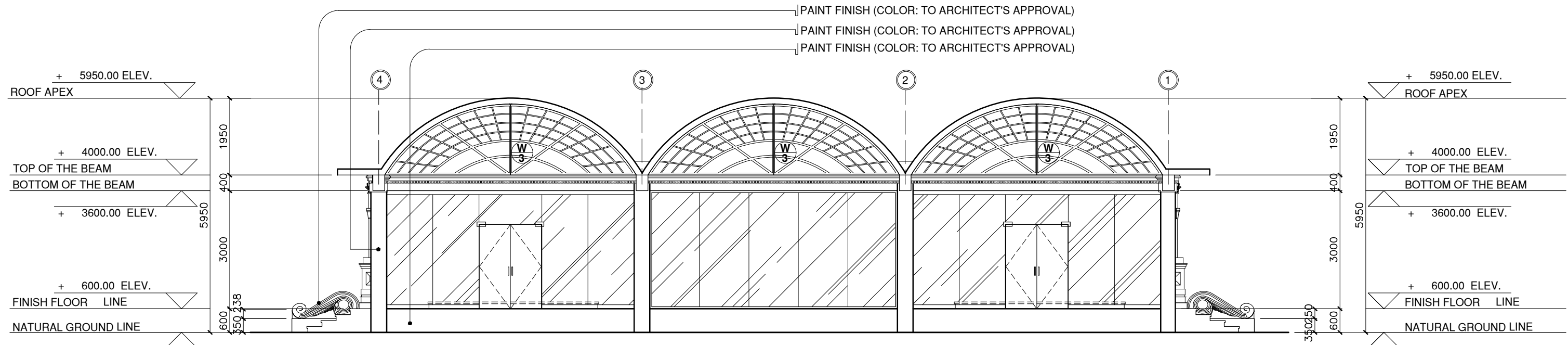


TOTAL FLOOR AREA: 96,314 SQM
PROPOSED FLOOR PLAN
 SCALE: 1:100 MTRS

	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET NO.	
	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	 DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	 ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	 DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	 DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	PROPOSED FLOORPLAN DRAFTED BY: GBD PRC	A3 320	 CERTIFICATION INTERNATIONAL ISO 9001:2015
	PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY	PRC: 0010577 PTR: 2559115 TIN: 445013228						

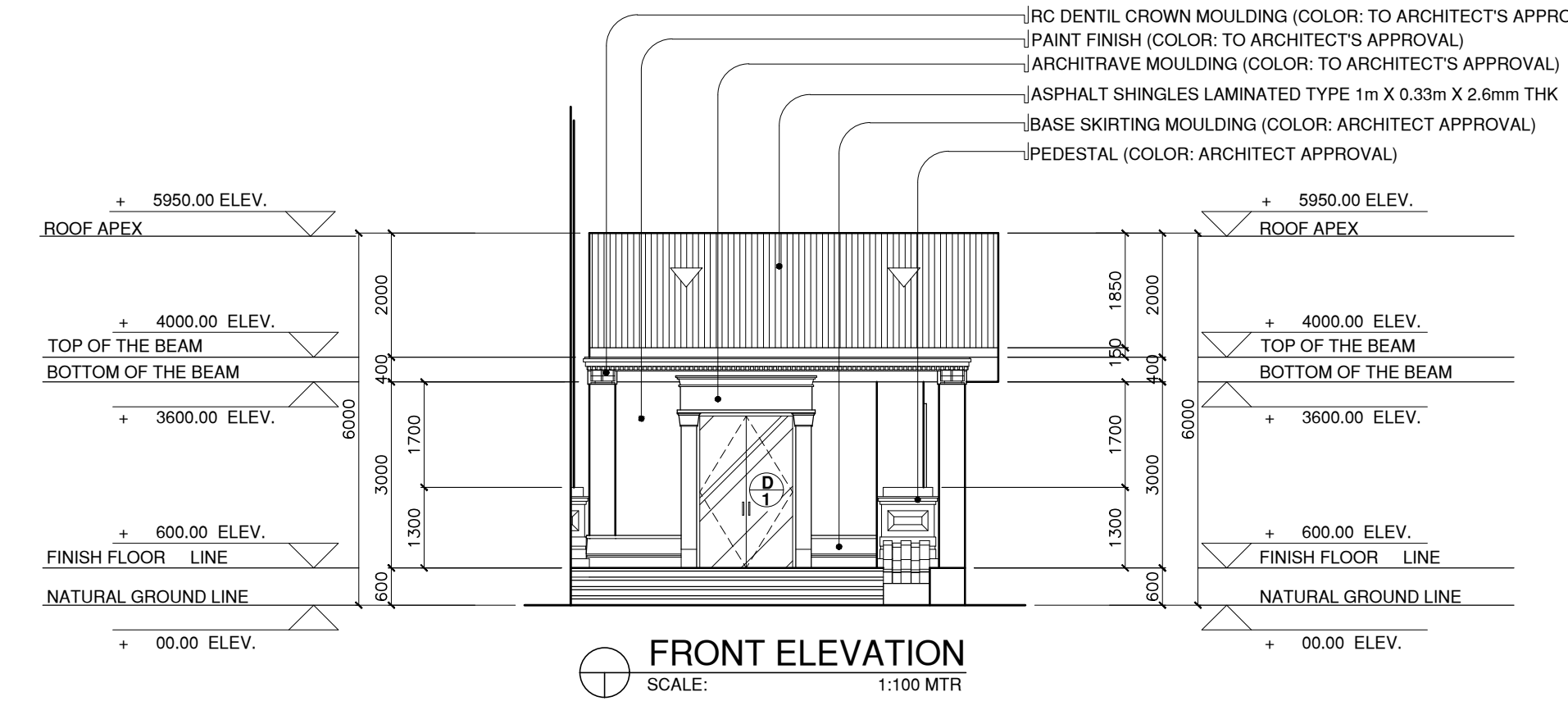
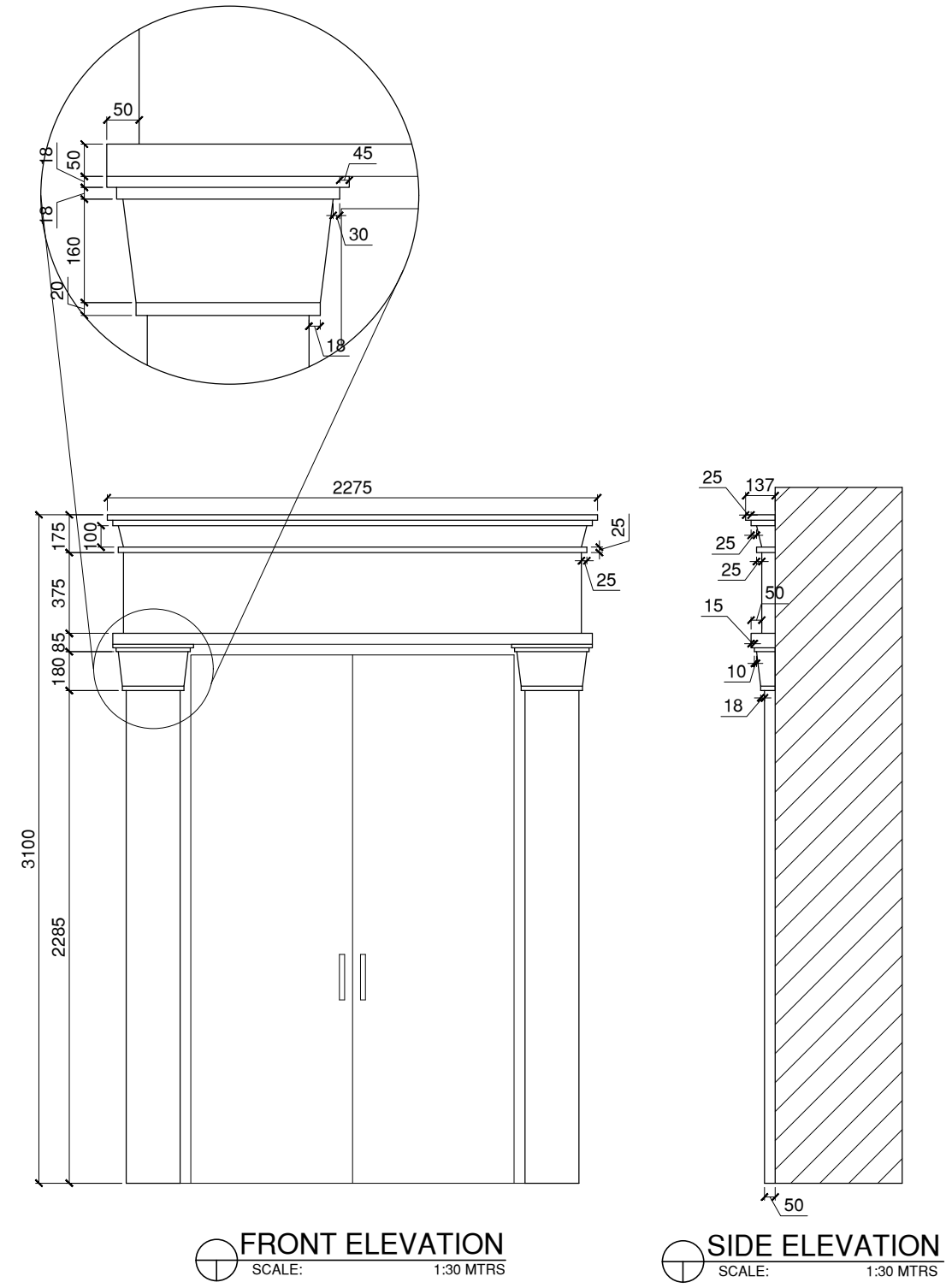
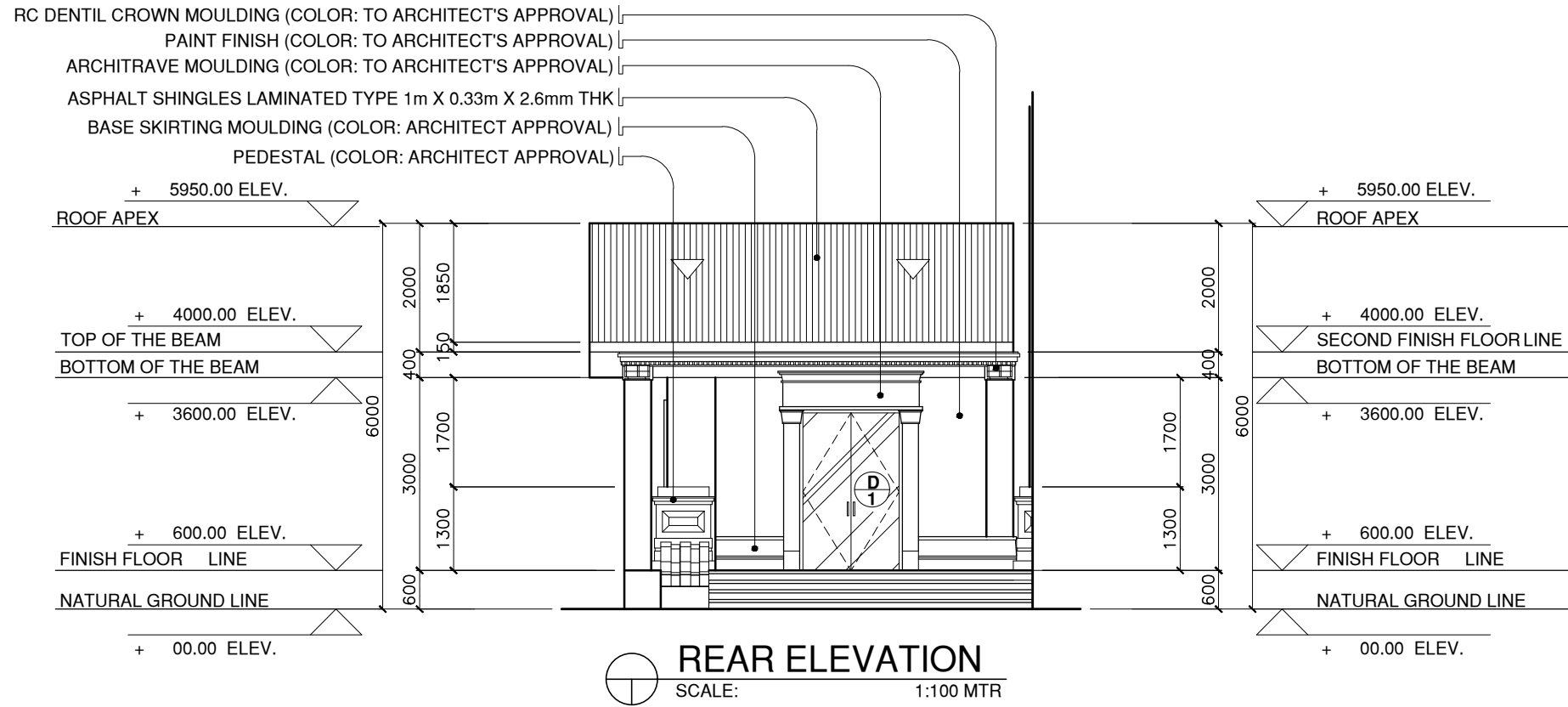




RIGHT SIDE ELEVATION
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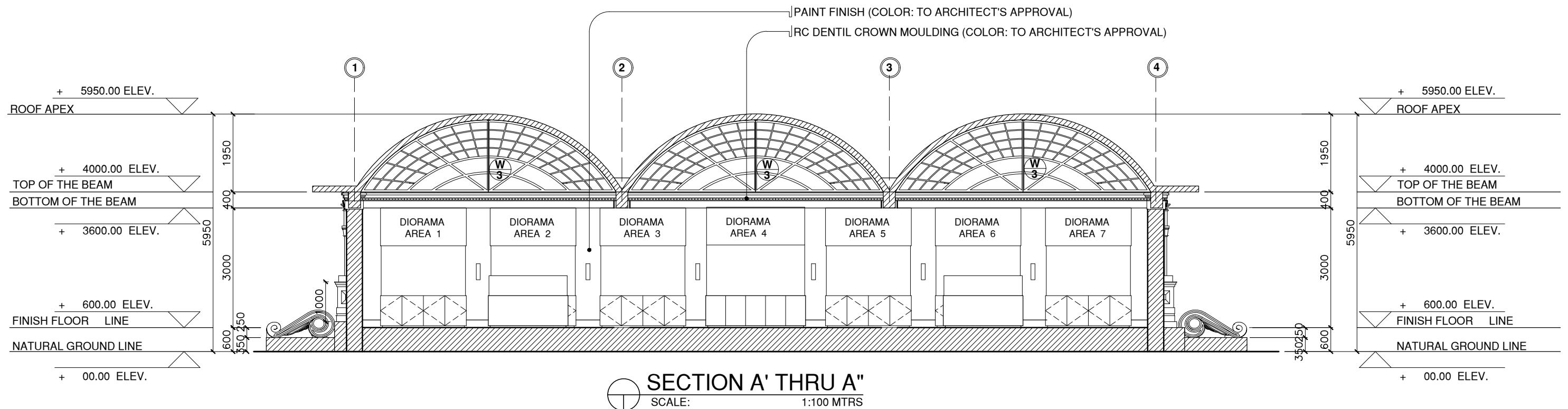


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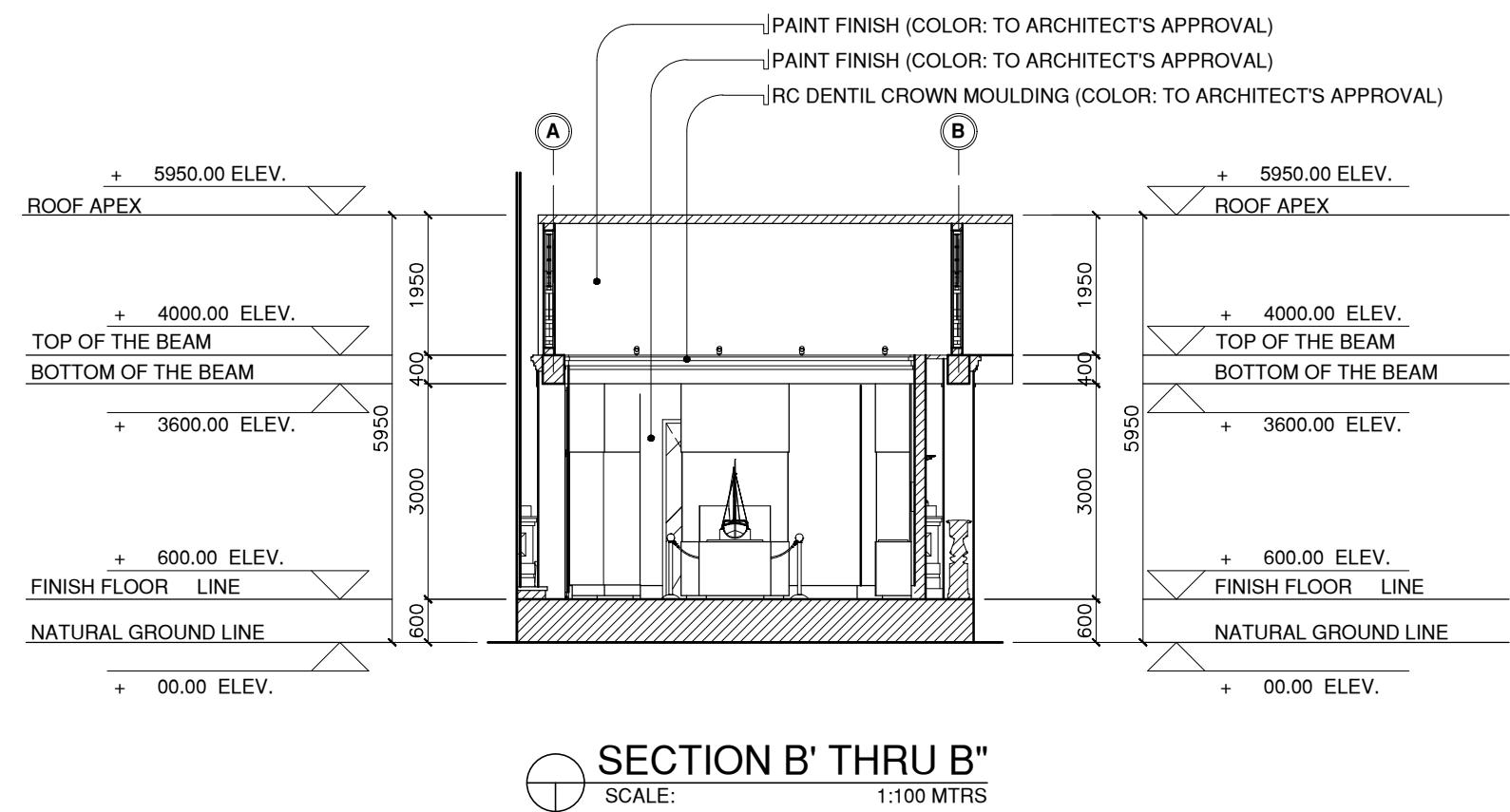
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	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	RIGHT SIDE ELEVATION LEFT SIDE ELEVATION MOULDING DETAIL DRAFTED BY: GBD PRC	A4 420
PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY			PRC: 0010577 PTR: 2559115 TIN: 445013228				










	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET NO.
	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	DR. MELADIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	FRONT ELEVATION REAR ELEVATION ARCHITRAVE DETAIL	A5 520
	PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY		PRC: 0010577 PTR: 2559115 TIN: 445013228			DRAFTED BY: GBD PRC	 CERTIFICATION INTERNATIONAL ISO 9001:2015



SECTION A' THRU A'
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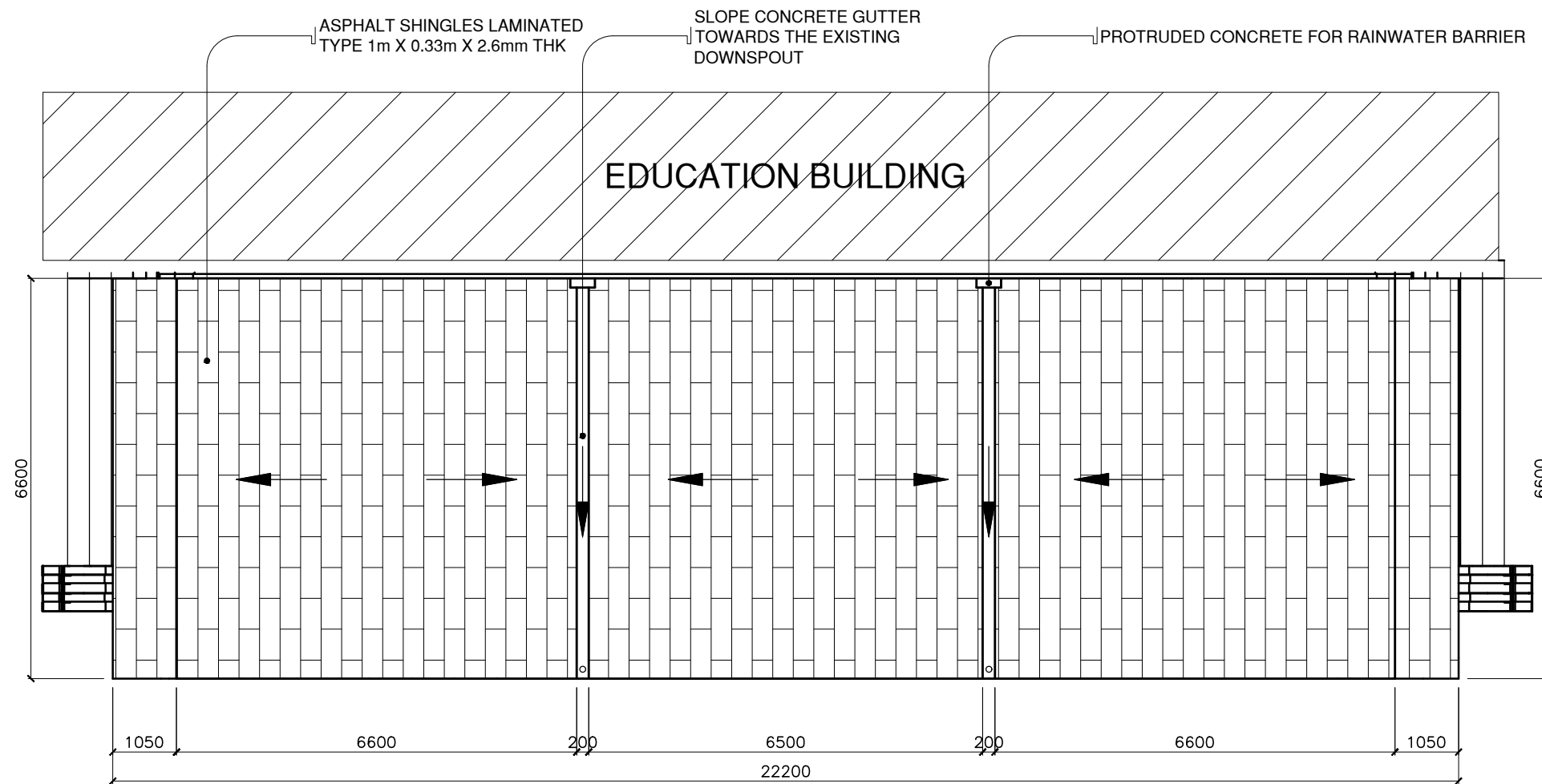
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	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET NO.
	<u>ARCH. JOSEPH ANDREW L. SAHIAL, uap</u> UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	 DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	 ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	 DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	 DR. MA. CARL A. OCHOTORENA WMSU-PRESIDENT	SECTION A' THRU A' SECTION B' THRU B'	 
	PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY	PRC: 0010577 PTR: 2559115 TIN: 445013228	PRC: 0010577 PTR: 2559115 TIN: 445013228	GBD PRC			

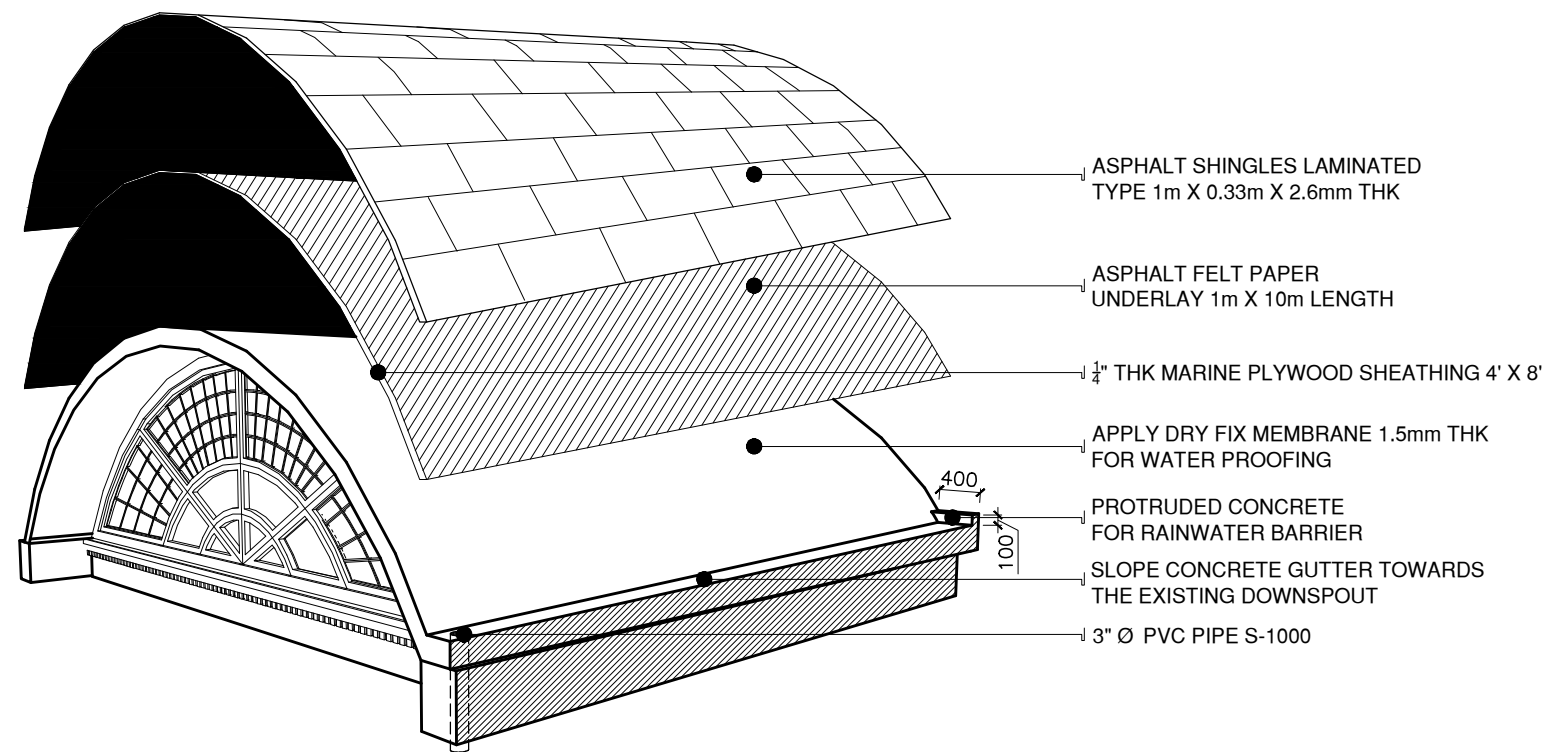
PLAN				
ELEVATION				
SCHEDULE	D 1	W 2 D 2 W 2	W 1	W 3
SPECIFICATION	1/2" THK. CLEAR TEMPERED DOUBLE ACTION GLASS DOOR, COMPLETE WITH PATCH FITTING, LOCKSET, 1/8" THK X 3/4" X 3/8" THK DEEP U-CHANNEL, STAINLESS 304 H TYPE HANDLE 800 X 32MM, WITH H-SHAPE SILICONE RUBBER DOOR STRIP, IN 2" X 4" ANALOK JAMB	1/2" THK. CLEAR TEMPERED GLASS DOOR, COMPLETE WITH PATCH FITTING, LOCKSET, 1/8" THK X 3/4" X 3/8" THK DEEP U-CHANNEL, STAINLESS 304 H TYPE HANDLE 800 X 32MM, WITH H-SHAPE SILICONE RUBBER DOOR STRIP, IN 2" X 4" ANALOK JAMB, AND 1/2" THK. CLEAR TEMPERED FIXED GLASS PANELS AS PER DRAWING	1/2" THK. CLEAR TEMPERED GLASS FIXED WINDOW IN 2" X 4" ANALOK FRAMING	1/2" THK. CLEAR TEMPERED GLASS FIXED WINDOW IN 2" X 4" ANALOK FRAMING
LOCATION	ENTRANCE AND EXIT	ENTRANCE AND EXIT (FACING SOCIAL HALL)	DISPLAY AREA	
SET	2 SETS	2 SET	1 SET	6 SET

SCHEDULE OF DOORS AND WINDOWS
 SCALE: 1:100 MTR


DESIGNED BY: ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	PROJECT TITLE: RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	REQUISITIONER DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	RECOMMENDING APPROVAL DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY: DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	SHEET CONTENTS -SCHEDULE OF DOORS AND WINDOWS DRAFTED BY: GBD	SHEET NO. 	

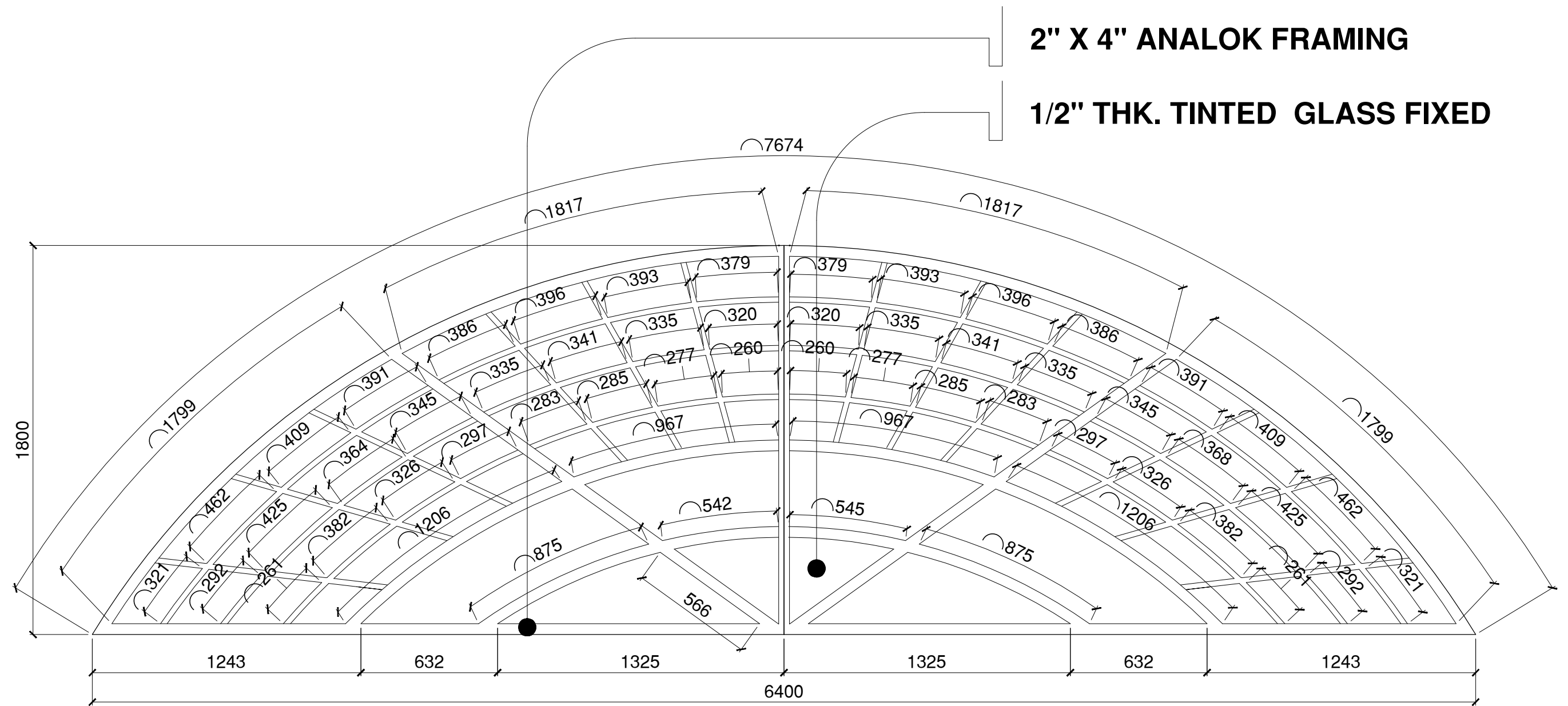


ROOF PLAN
SCALE: 1:100 MTRS









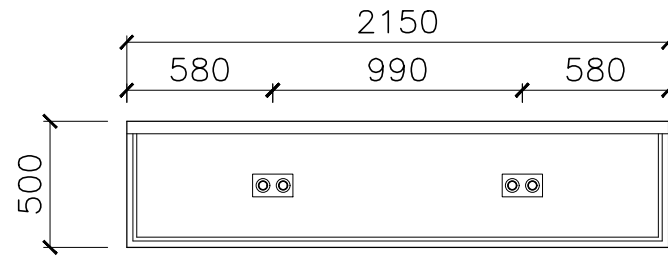
ROOF DETAIL
NOT TO SCALE

	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET NO.
	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	-ROOF PLAN -ROOF DETAIL DRAFTED BY: GBD	A8 820
PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY		PRC: 0010577 PTR: 2559115 TIN: 445013228					

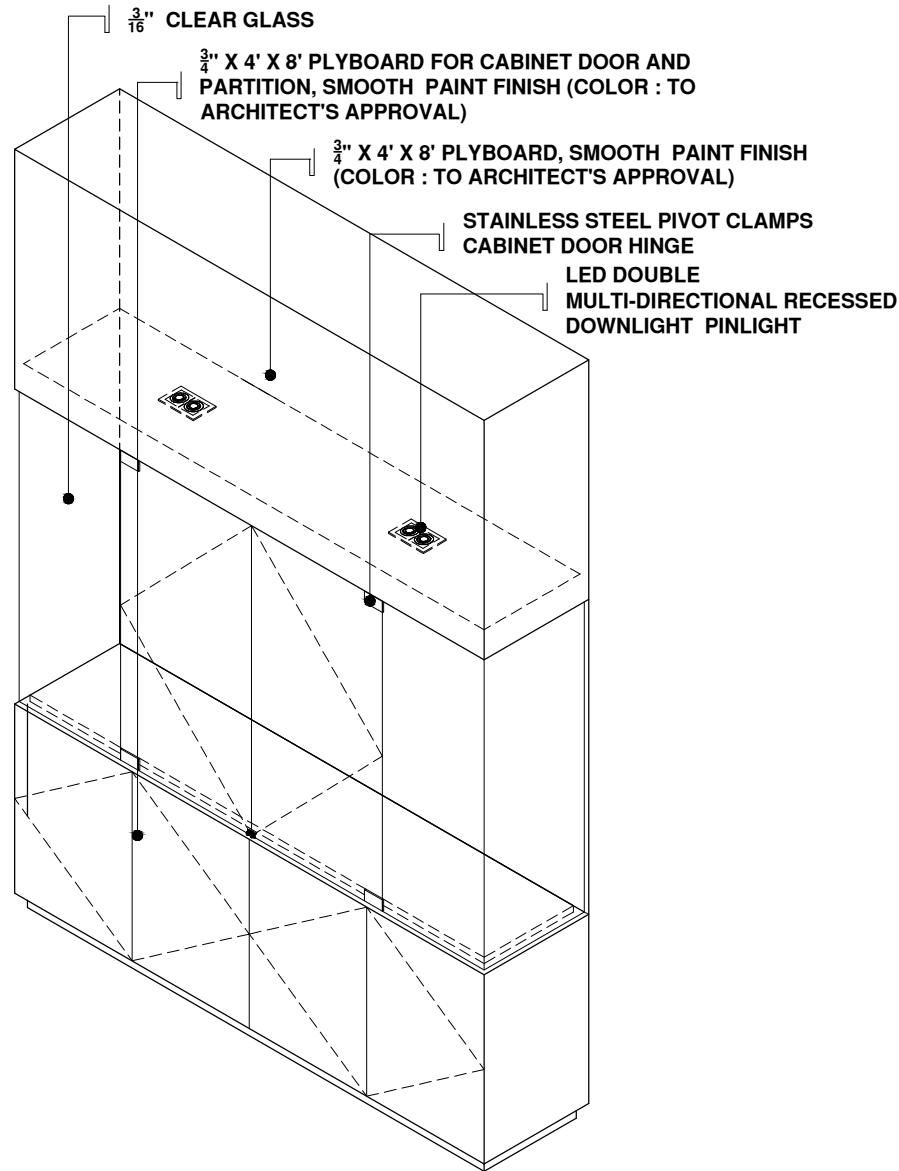



WINDOW DETAIL
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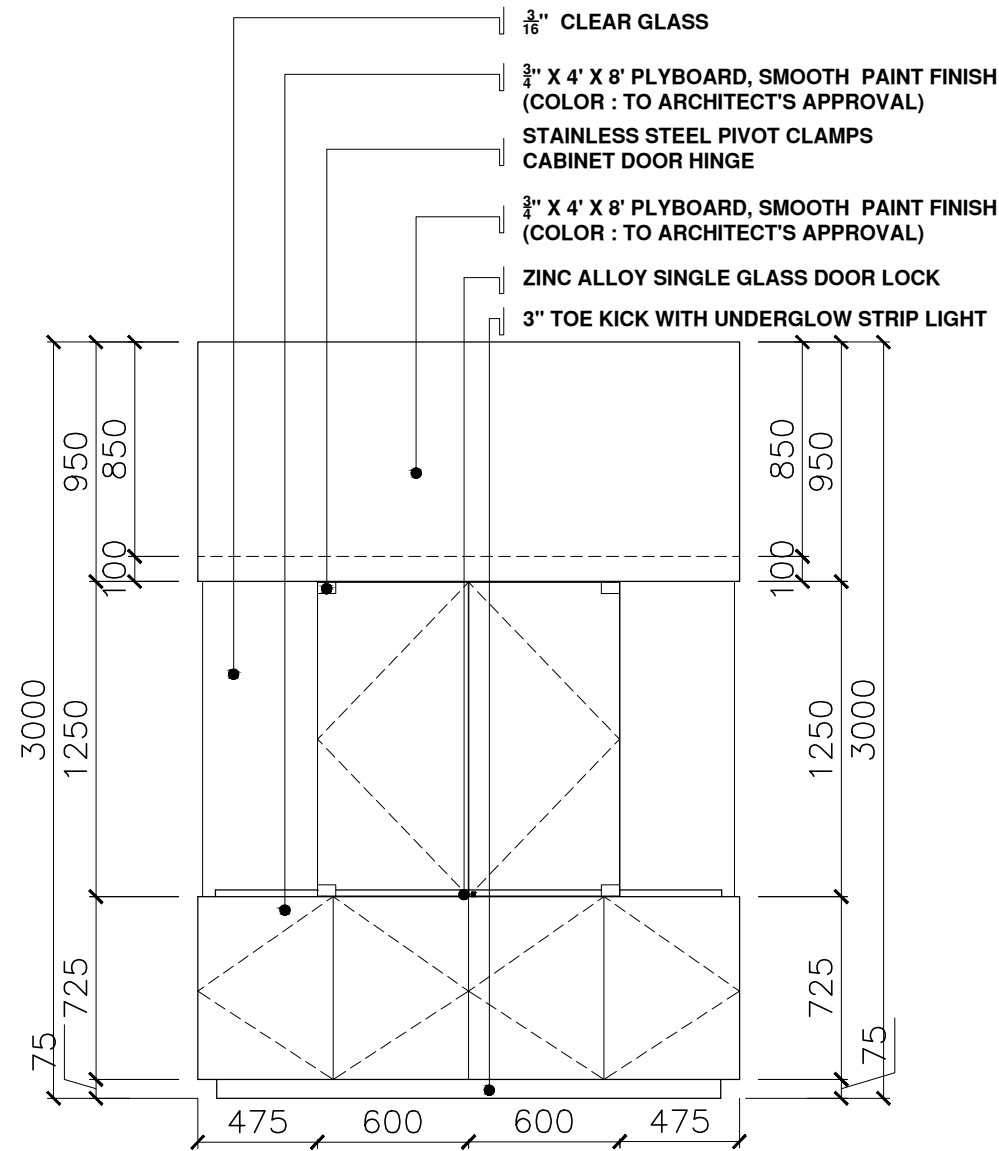
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	ARCH. JOSEPH ANDREW L. SAHIAL,uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	 DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	 ARCH. JOSEPH ANDREW L. SAHIAL,uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	 DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	 DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	-WINDOW DETAIL	
PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY	PRC: 0010577 PTR: 2559115 TIN: 445013228	PRC: 0010577 PTR: 2559115 TIN: 445013228		DRAFTED BY:	GBD		



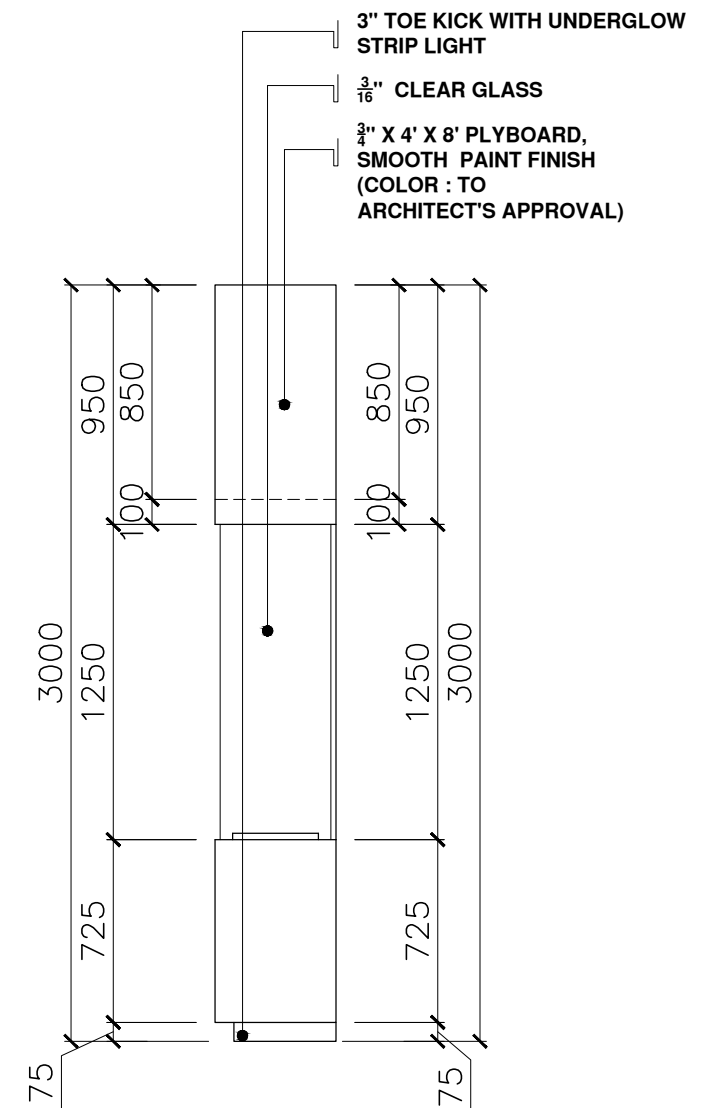
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ISOMETRIC DIAGRAM
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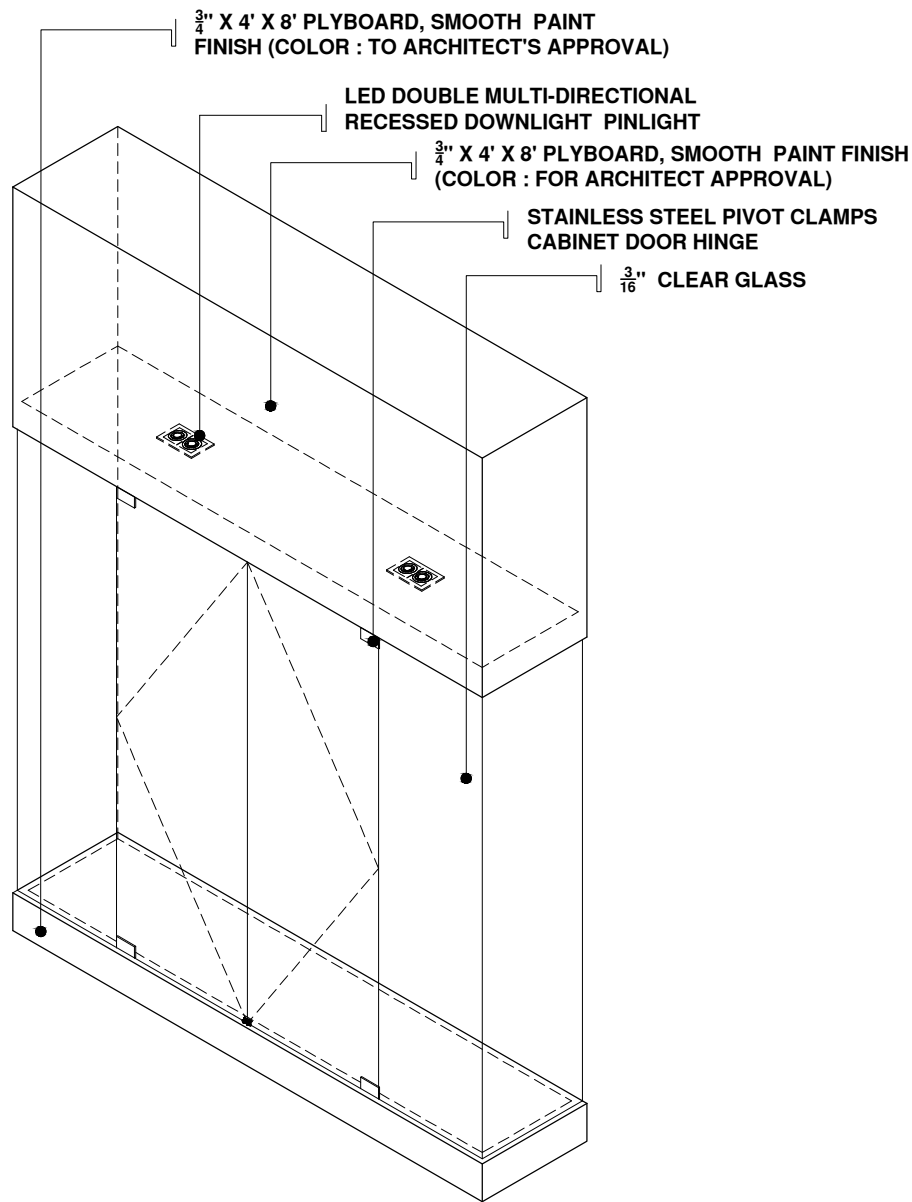
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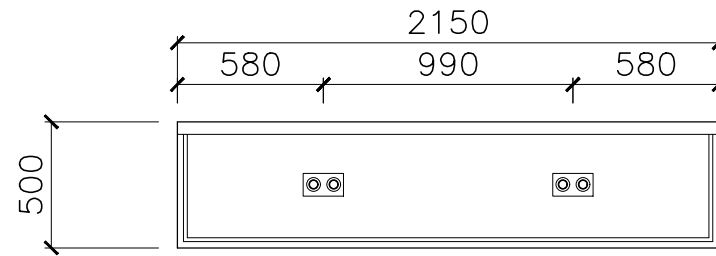
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DIORAMA CABINET - 1 (7 SETS)
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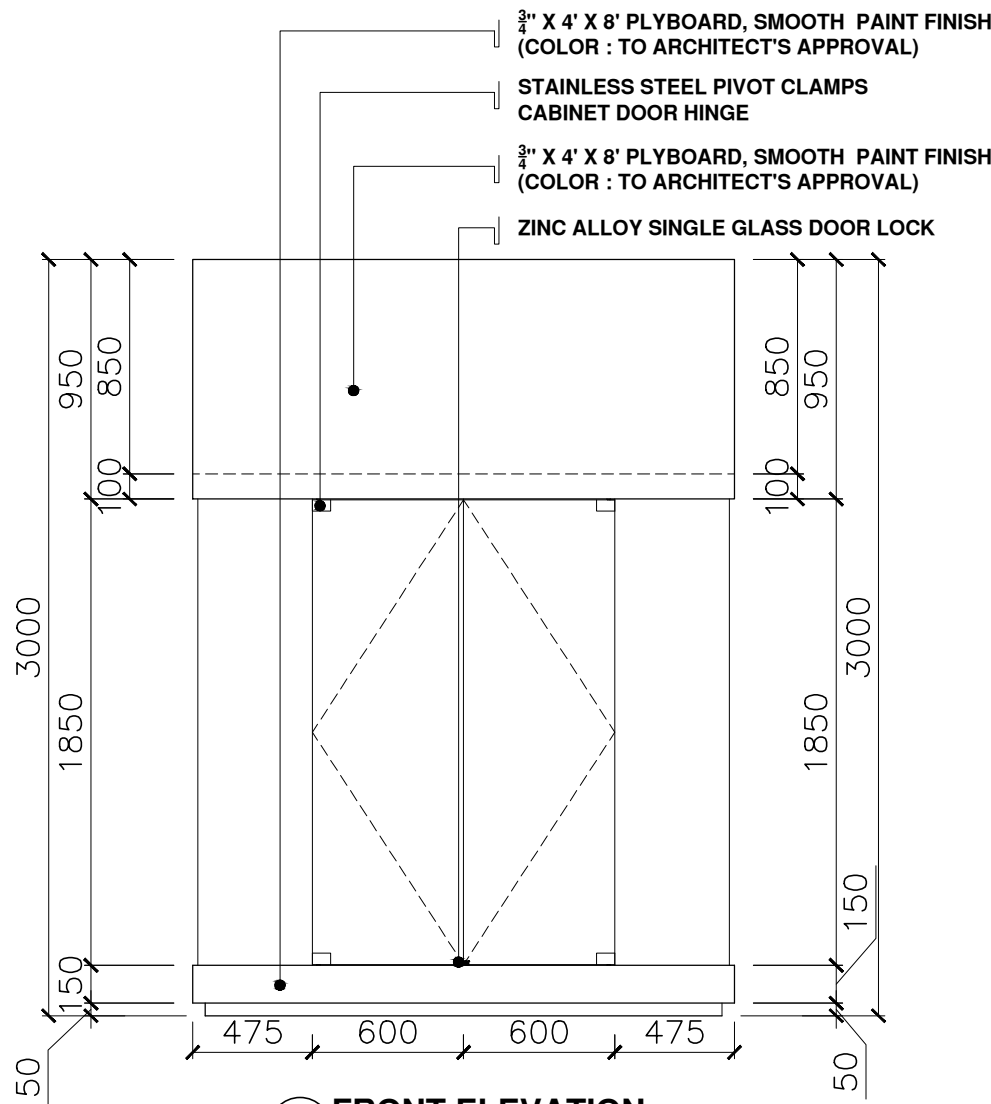
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	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	 DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	 ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	 DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	 DR. MA. CARL A. OCHOTORENA WMSU-PRESIDENT	DIORAMA DETAIL PLAN		
	PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY	PRC: 0010577 PTR: 2559115 TIN: 445013228	DRAFTED BY: GBD PRC					



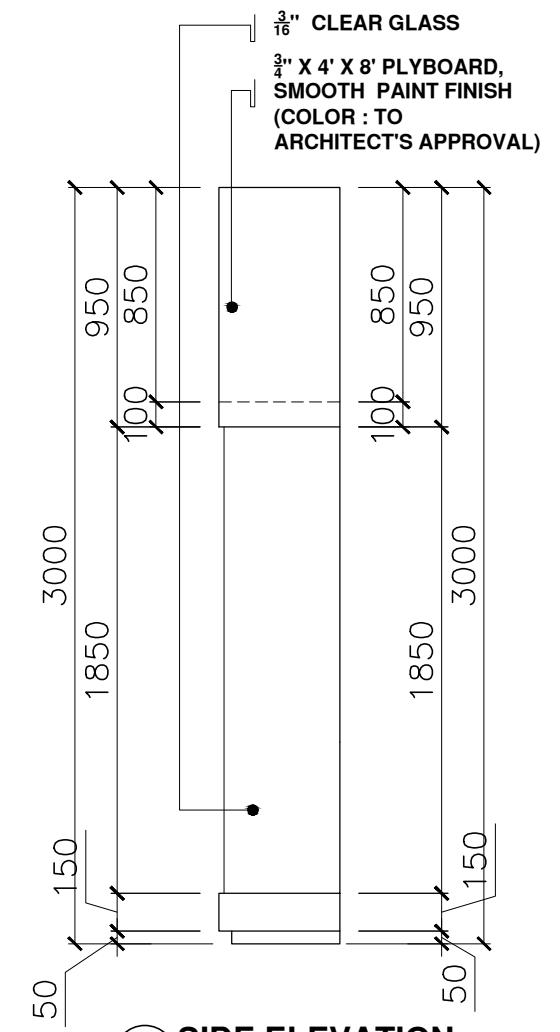
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PLAN
SCALE: 1:30mtrs



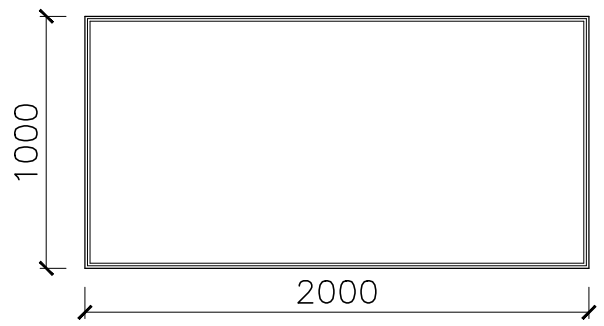
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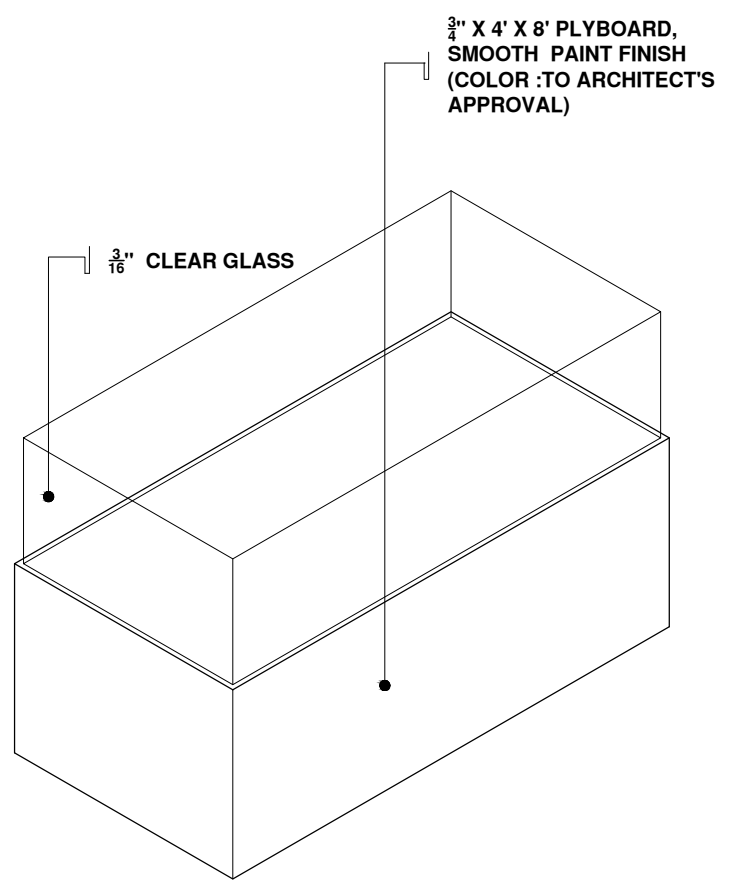
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DIORAMA CABINET - 2 (2 SETS)
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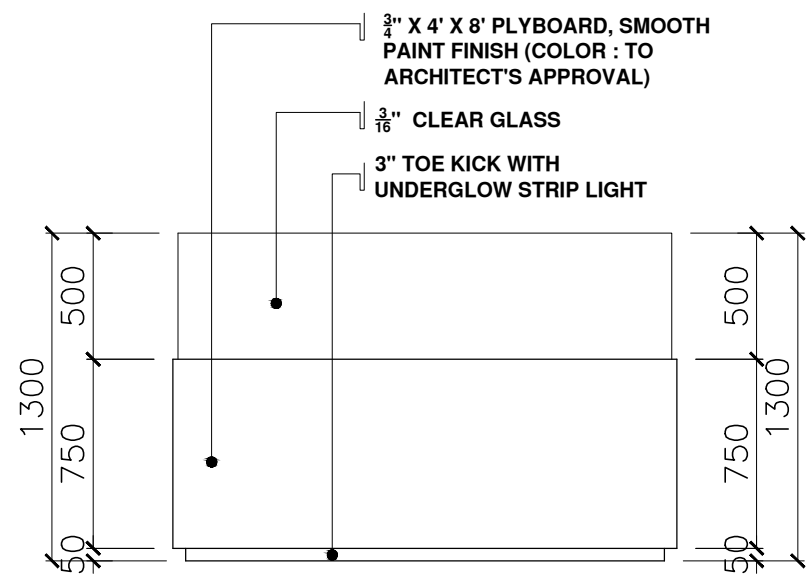
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	PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY	PRC: 0010577 PTR: 2559115 TIN: 445013228	PRC: 0010577 PTR: 2559115 TIN: 445013228	PRC: 0010577 PTR: 2559115 TIN: 445013228	PRC: 0010577 PTR: 2559115 TIN: 445013228	GBD PRC		



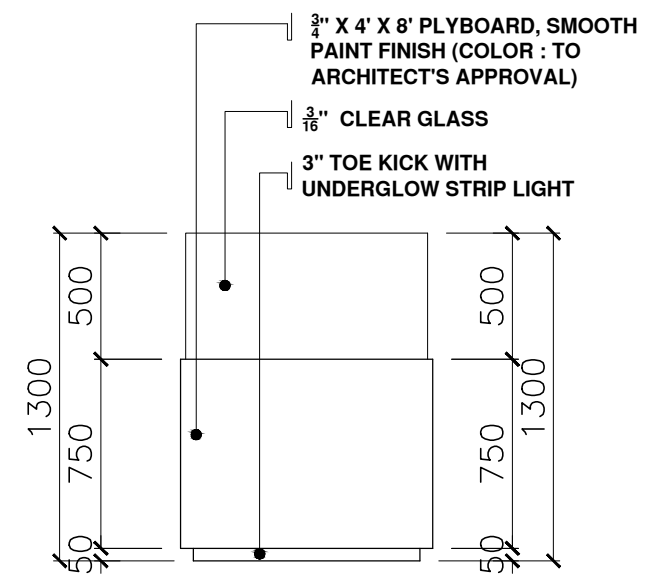
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ISOMETRIC DIAGRAM
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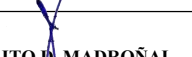





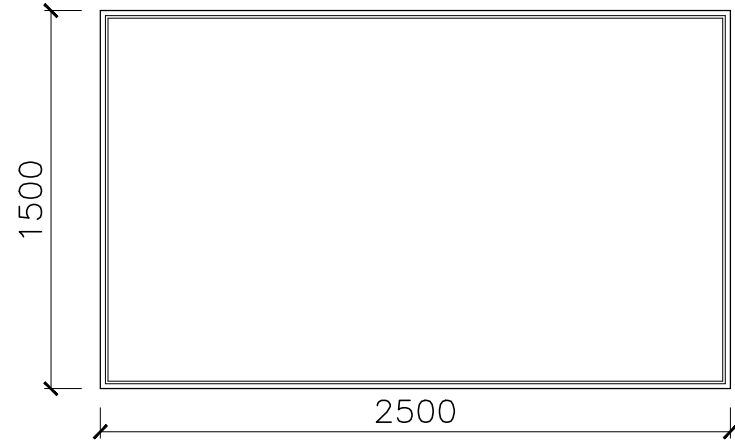
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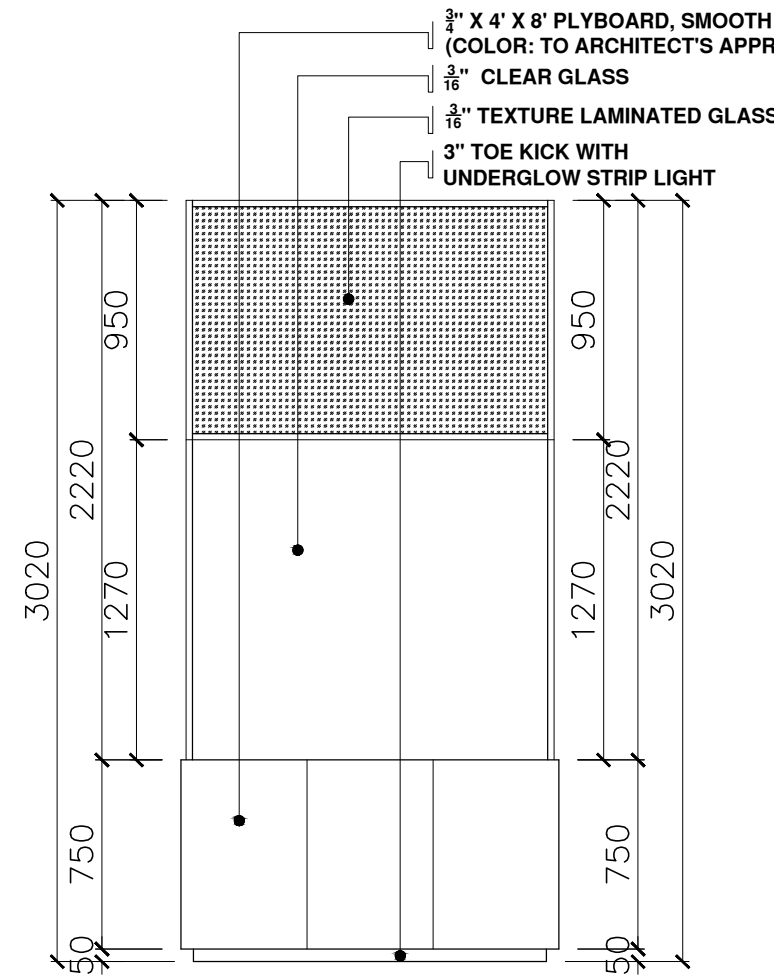
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DIORAMA DISPLAY - 1 (2 SETS)
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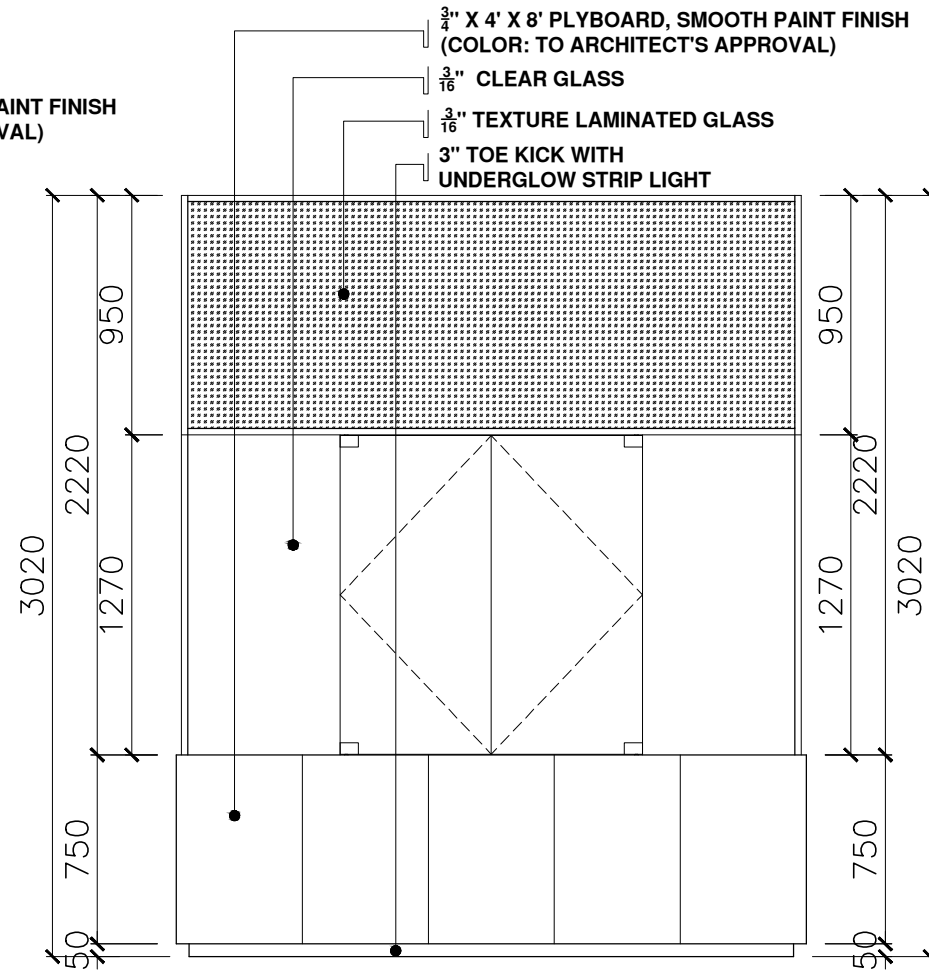
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	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	 DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	 ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	 DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	 DR. MA. CARLINA A. OCHOTORENA WMSU-PRESIDENT	DIORAMA DISPLAY DETAIL	 
	PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY		PRC: 0010577 PTR: 2559115 TIN: 445013228			DRAFTED BY:	
						GBD PRC		



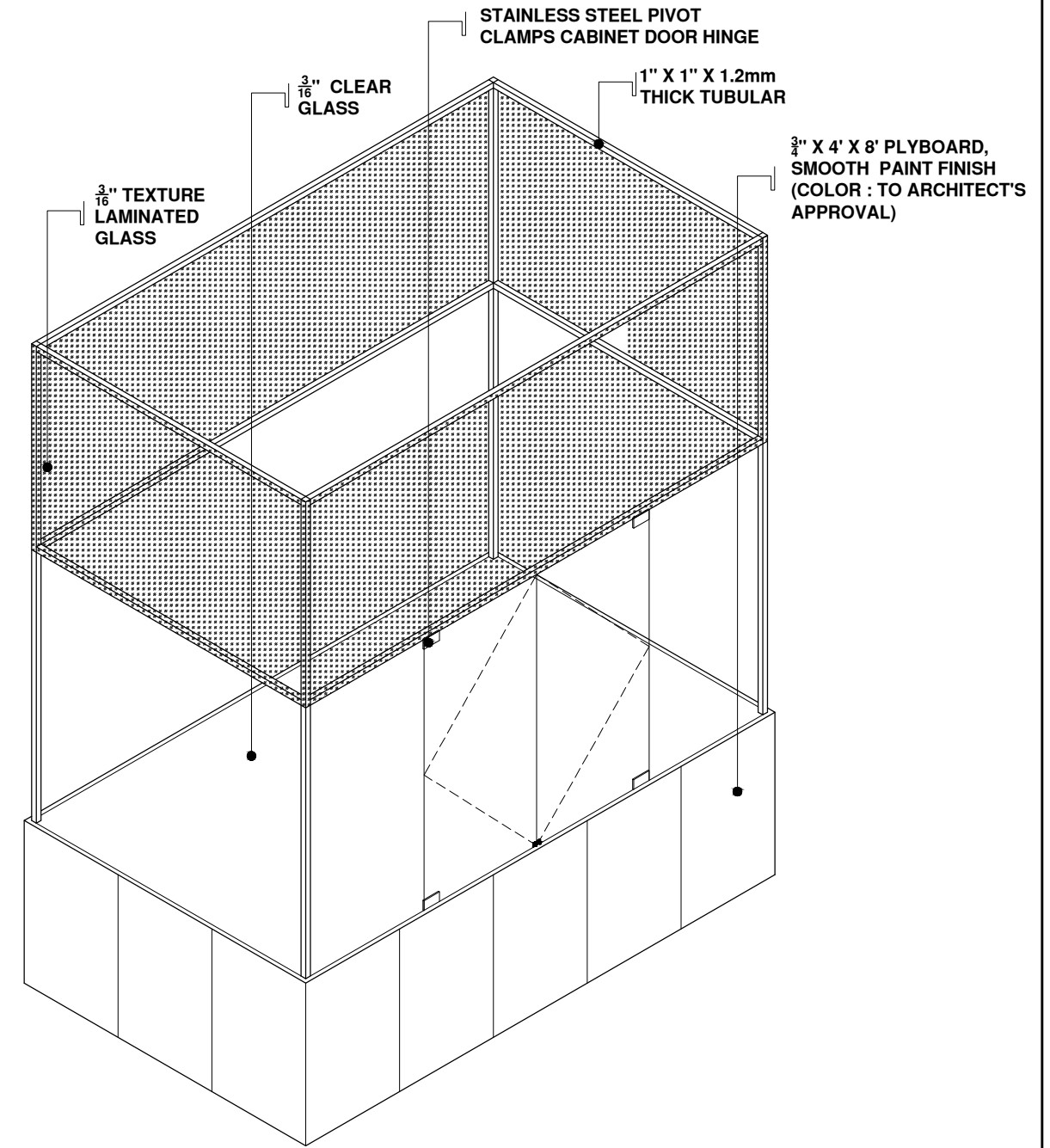
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SIDE ELEVATION
SCALE: 1:30mtrs










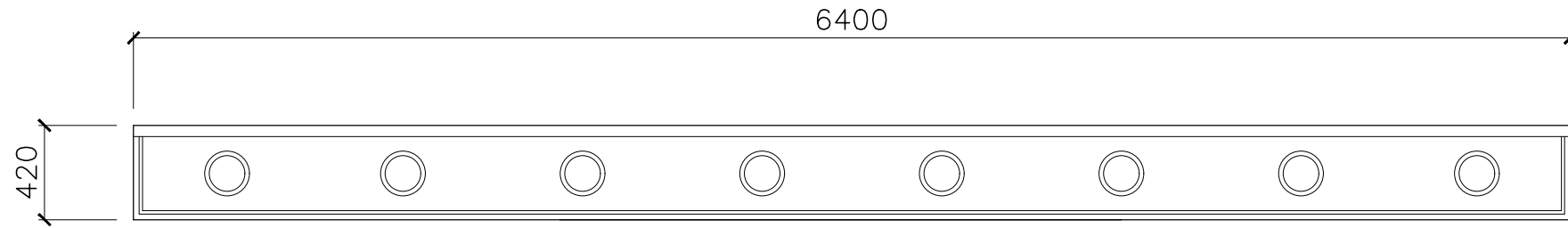
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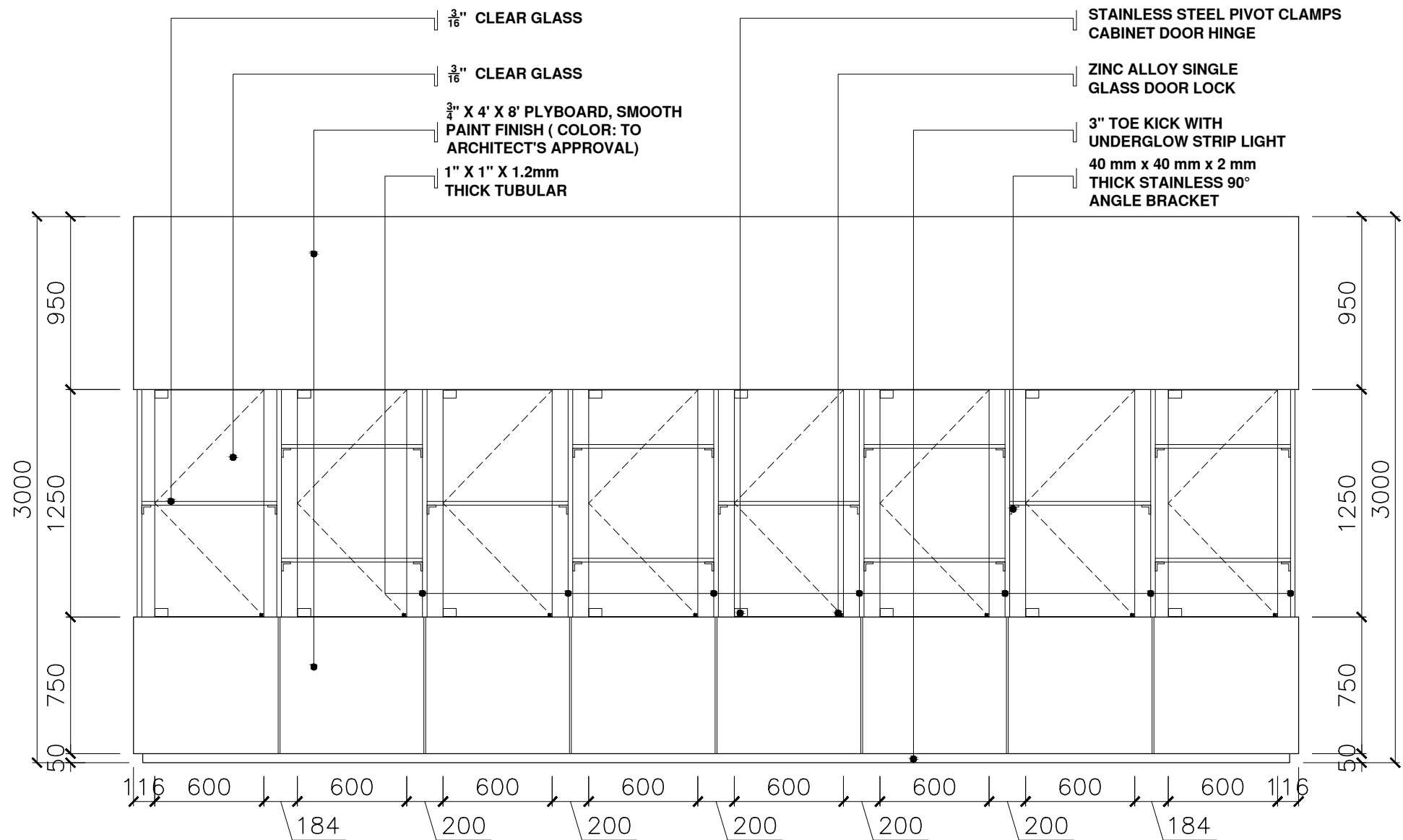
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DIORAMA DISPLAY - 2 (7 SETS)
SCALE: 1:30mtrs

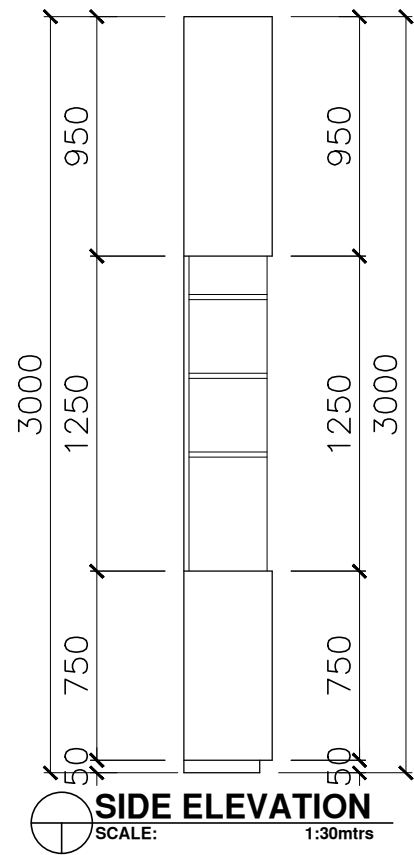
	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET NO.
	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	 DR. MELANE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	 ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	 DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	 DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	DIORAMA DISPLAY DETAIL	
	PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY	PRC: 0010577 PTR: 2559115 TIN: 445013228	PRC: 0010577 PTR: 2559115 TIN: 445013228	GBD PRC			



PLAN
SCALE: 1:30mtrs




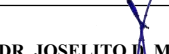





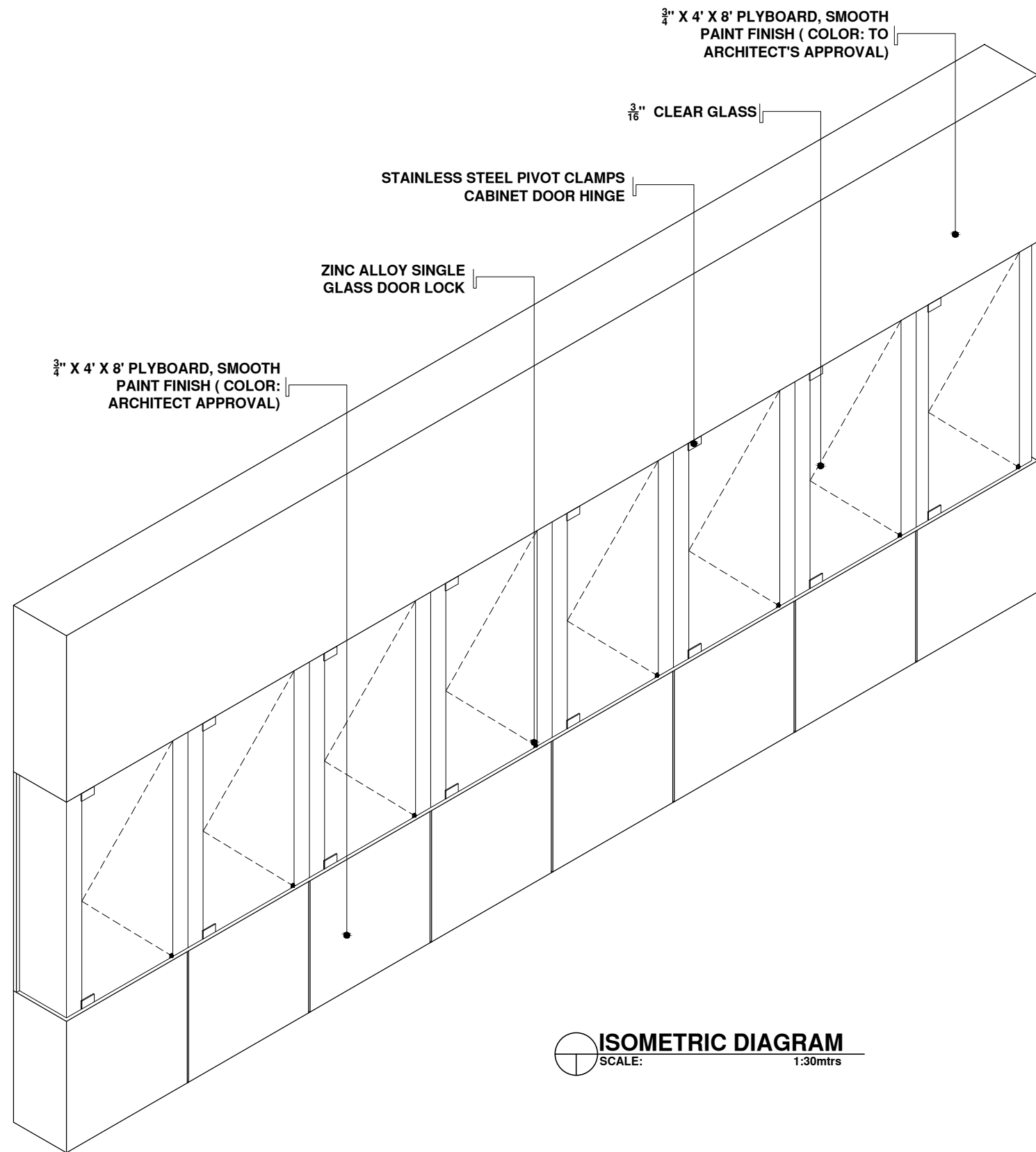
FRONT ELEVATION
SCALE: 1:30mtrs



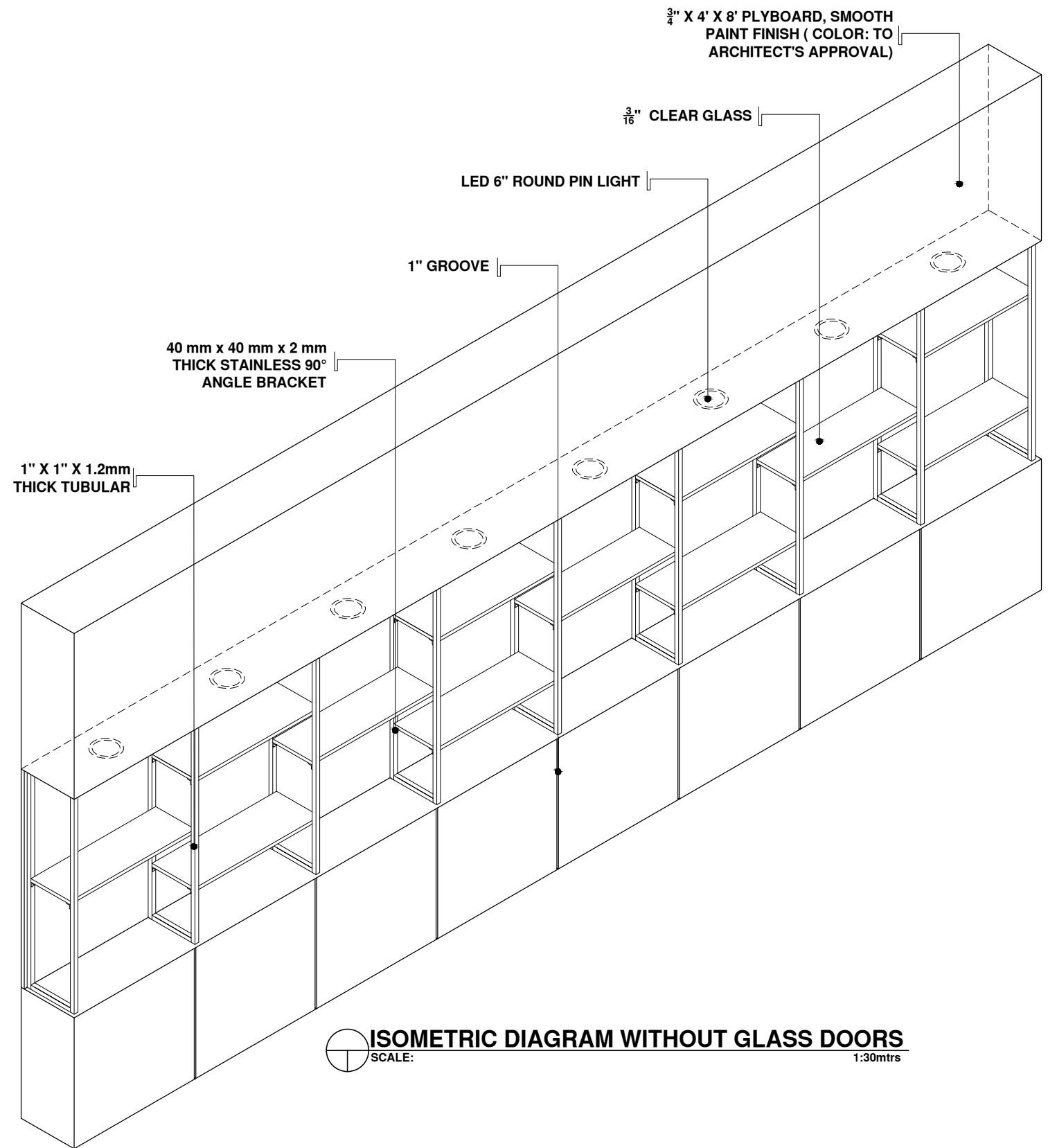
SIDE ELEVATION
SCALE: 1:30mtrs

DISPLAY CABINET
SCALE: 1:30mtrs

	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET NO.	
	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	 DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	 ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	 DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	 DR. MA. CARLINA A. OCHOTORENA WMSU PRESIDENT	-DISPLAY CABINET DETAIL DRAFTED BY:		
	PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY		PRC: 0010577 PTR: 2559115 TIN: 445013228			GBD PRC		









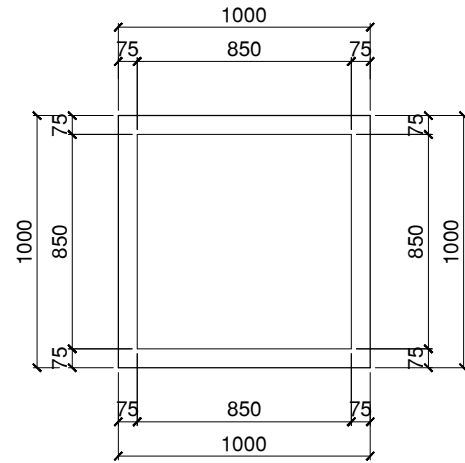
ISOMETRIC DIAGRAM
SCALE: 1:30mtrs



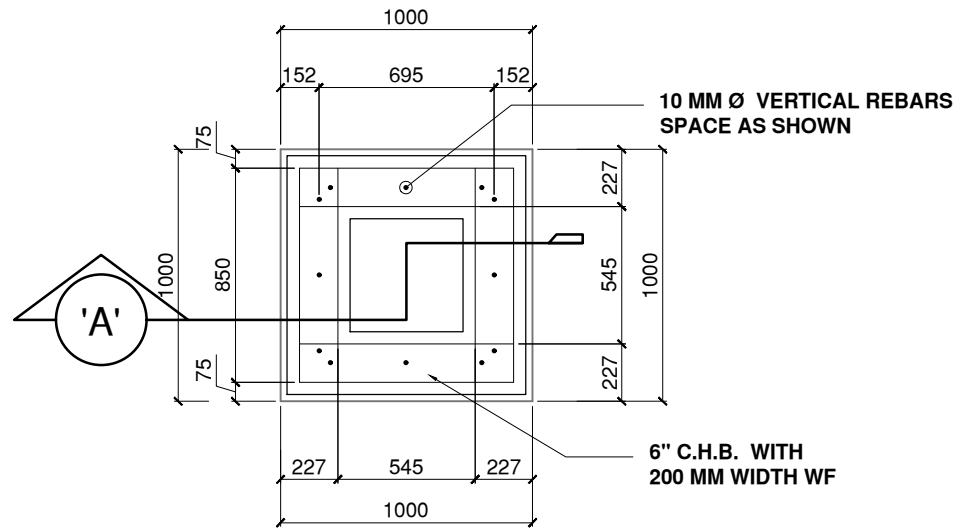
ISOMETRIC DIAGRAM WITHOUT GLASS DOORS
SCALE: 1:30mtrs

DISPLAY CABINET
SCALE: 1:30mtrs

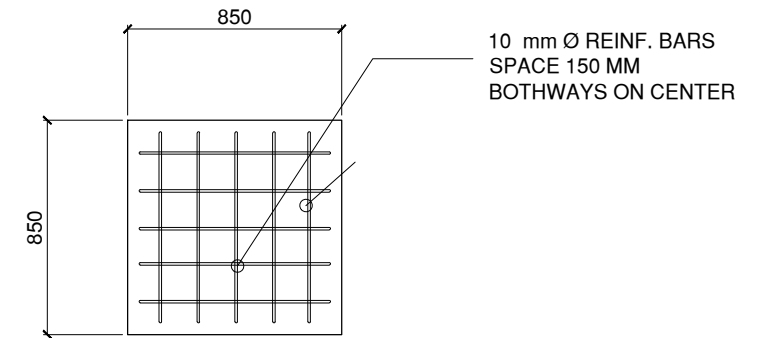
	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET NO.
	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	 DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	 ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	 DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	 DR. MA. CARLOTA A. OCHOTORENA WMSU'S PRESIDENT	-DISPLAY CABINET DETAIL DRAFTED BY: GBD PRC	
PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY		PRC: 0010577 PTR: 2559115 TIN: 445013228					



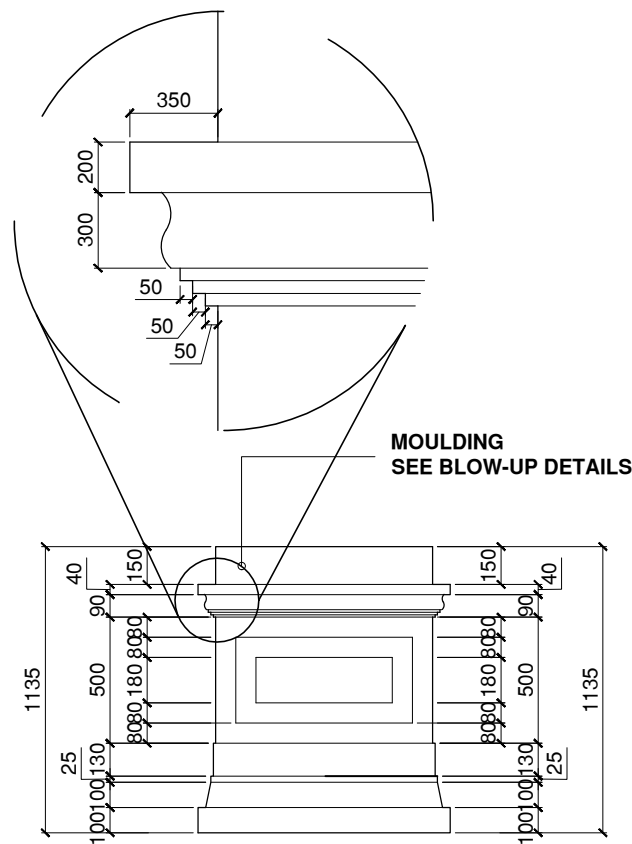
PEDESTAL PLAN
SCALE: 1:30mtrs



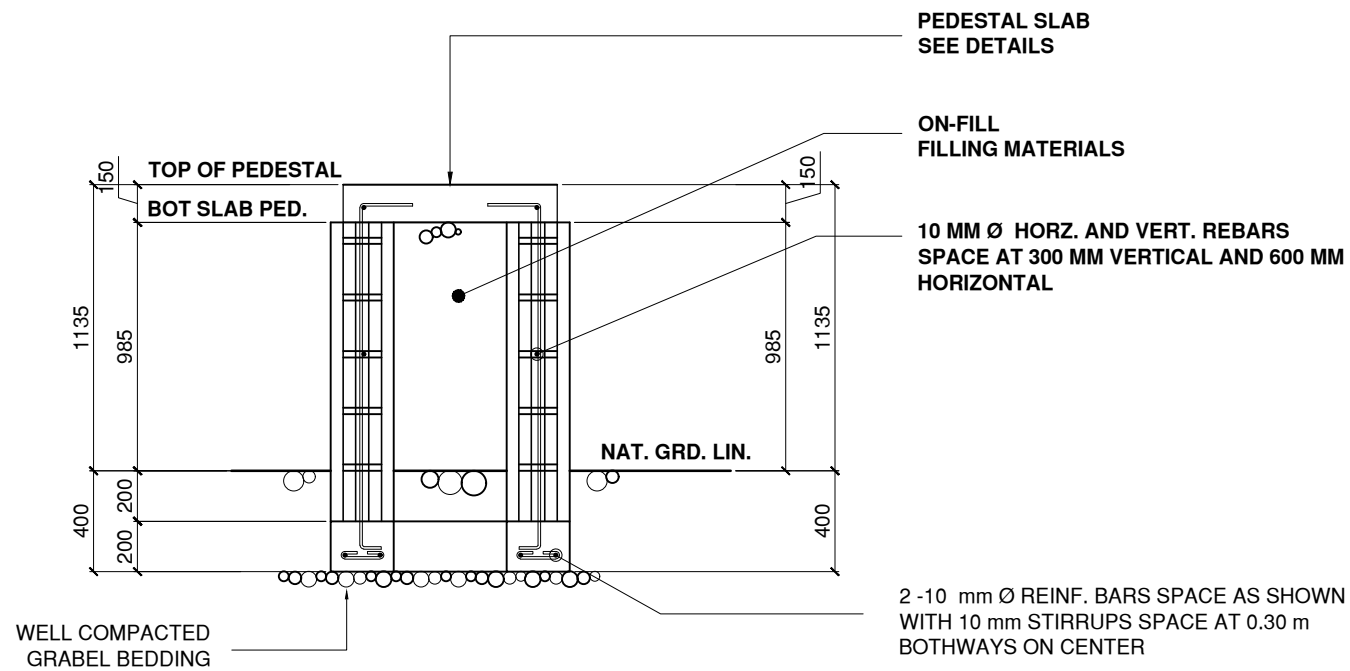
FOUNDATION PLAN
SCALE: 1:30mtrs



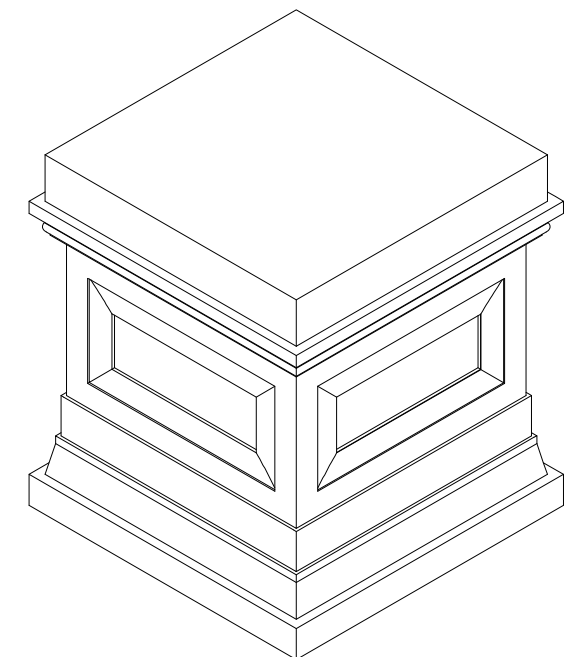
SLAB DETAIL
SCALE: 1:30mtrs



FRONT ELEVATION
SCALE: 1:30mtrs





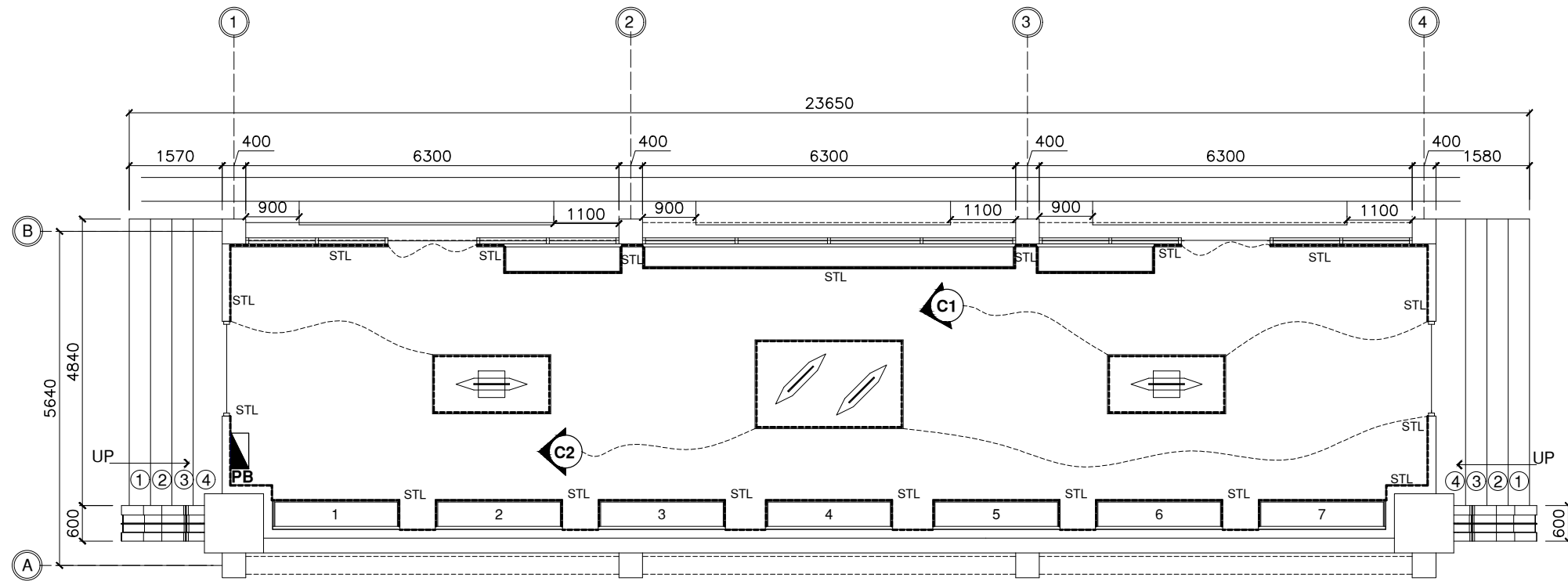
ELEVATION SECTION THRU 'A'
SCALE: 1:30mtrs



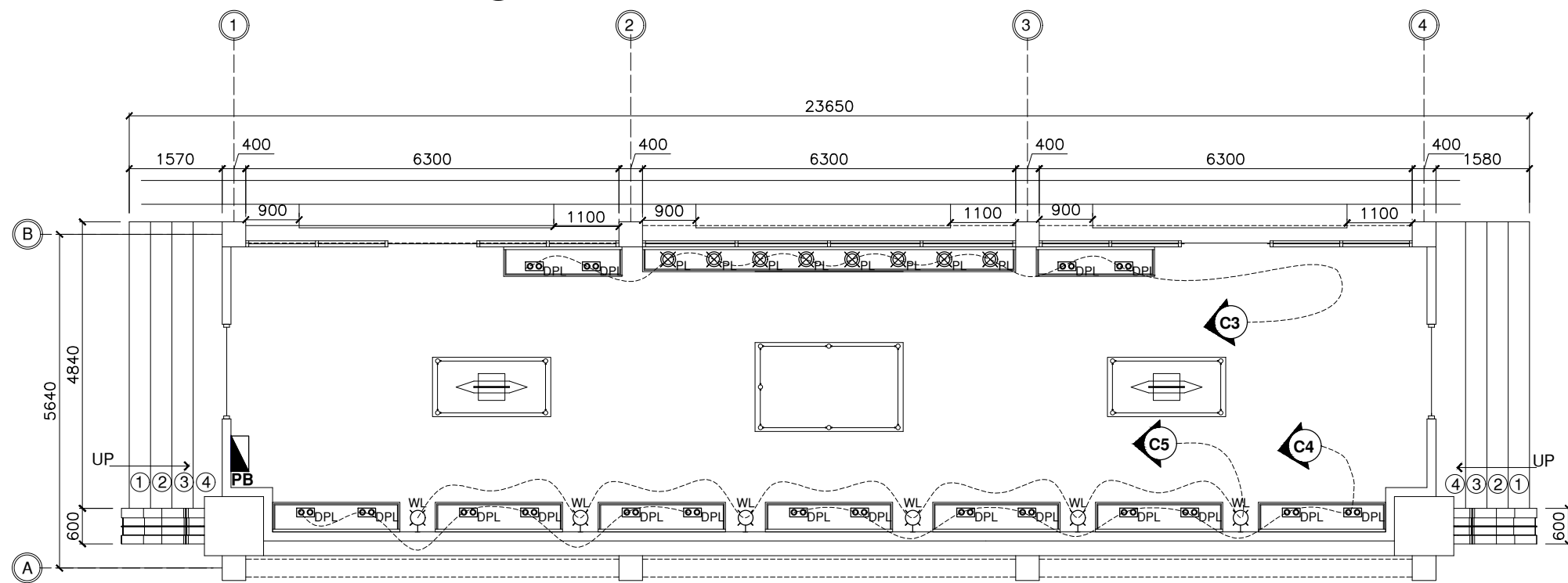
ISOMETRIC DIAGRAM
SCALE: 1:30mtrs

PEDESTAL DETAIL
SCALE: 1:30mtrs



	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER:	RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS	SHEET NO.	
	ARCH. JOSEPH ANDREW L. SAHIAL, uap UNIVERSITY ARCHITECT	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	-WINDOW DETAIL	A16	
	PRC: 0010577 PTR: 2559115 TIN: 445013228	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY		PRC: 0010577 PTR: 2559115 TIN: 445013228			DRAFTED BY: GBD	1620	

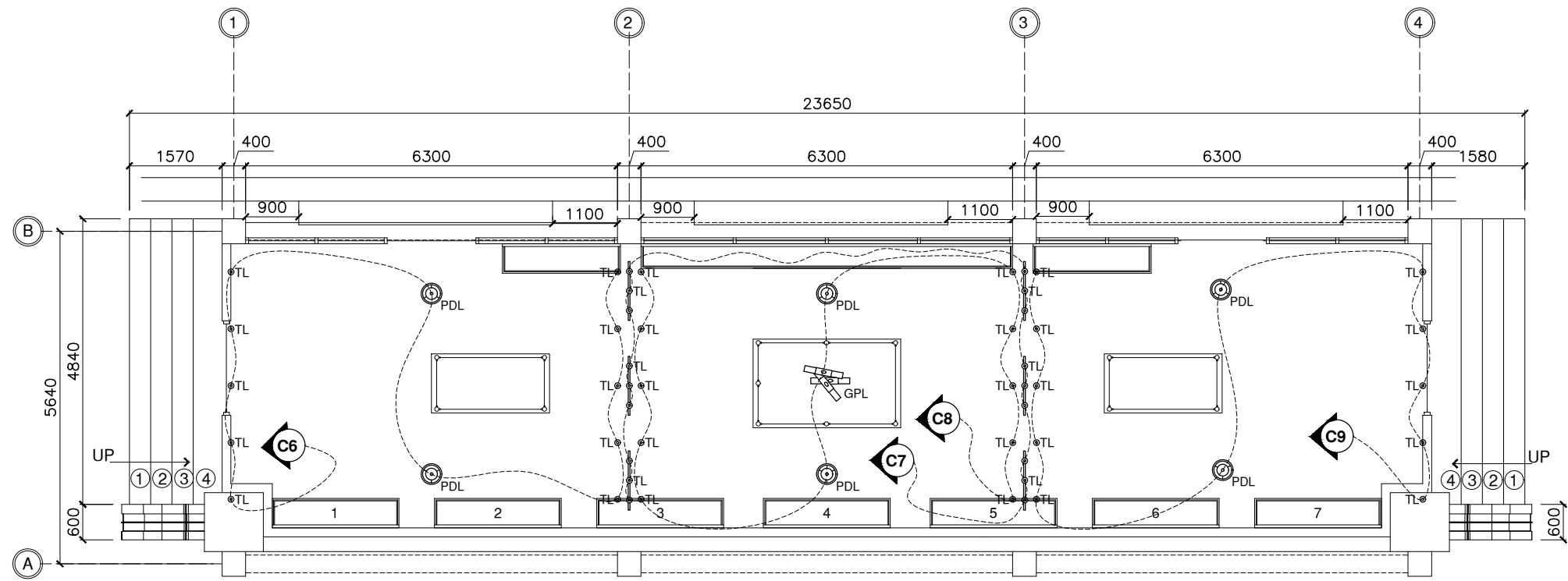


TOTAL FLOOR AREA: 96.314 SQM
LIGHTING LAYOUT 1 (STRIP LIGHTING)
 SCALE: 1:100 MTRS

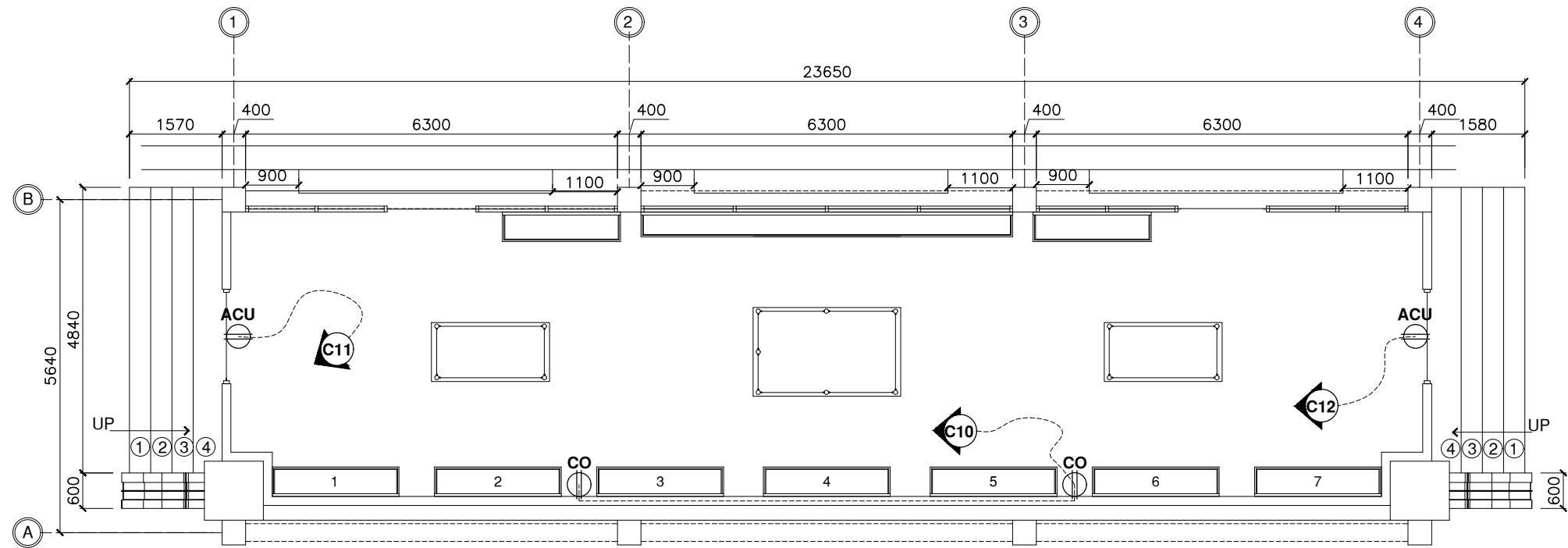


TOTAL FLOOR AREA: 96.314 SQM
LIGHTING LAYOUT 2 (FOR DISPLAY, DIORAMA & CABINET)
 SCALE: 1:100 MTRS



	REVIEWED AND CHECKED BY:		DESIGNED BY:		PROJECT TITLE:		REQUISITIONER		RECOMMENDING APPROVAL			RECOMMENDING APPROVAL		APPROVED BY:		SHEET CONTENTS		SHEET NO.	
			ENGR. RICARDO B. GONZALES UNIVERSITY ELECTRICAL ENGINEER		RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA		DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM		ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES			DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE		DR. MA. CARLA A. OCHOTORENA WMSU PRESIDENT		-LIGHTING LAYOUT 1 -LIGHTING LAYOUT 2		E1 17/20	
	PRC:	PTR:	TIN:	PRC: 23724	PTR:	TIN: 275203179	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY		PRC: 0010577	PTR: 2559115	TIN: 445013228					DRAFTED BY: KXF			



TOTAL FLOOR AREA: 96.314 SQM
LIGHTING LAYOUT 3 (CEILING LIGHTING)
 SCALE: 1:100 MTRS



TOTAL FLOOR AREA: 96.314 SQM
POWER LAYOUT 1
 SCALE: 1:100 MTRS

	REVIEWED AND CHECKED BY:		DESIGNED BY:		PROJECT TITLE:		REQUISITIONER:		RECOMMENDING APPROVAL:			RECOMMENDING APPROVAL:		APPROVED BY:		SHEET CONTENTS		SHEET NO.	
			ENGR. RICARDO B. GONZALES UNIVERSITY ELECTRICAL ENGINEER		RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA		DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM		ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES			DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE		DR. MA. CAREA A. OCHOTORENA WMSU-PRESIDENT		-LIGHTING LAYOUT 3 -POWER LAYOUT		E2 1820	
	PRC:	PTR:	TIN:	PRC: 23724	PTR:	TIN: 275203179	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY		PRC: 0010577	PTR: 2559115	TIN: 445013228					DRAFTED BY: KXF			

CIRCUIT NO	LOAD DESCRIPTION	WATTS	PF	ALLOCATED VA	CONNECTED VA	CURRENT			CIRCUIT BREAKER				CONDUCTOR			CONDUIT	
						AB	BC	CA	AT	AF	KAIC	POLE	SIZE IN mmØ	SIZE (G) IN mmØ	TYPE	SIZE IN mmØ	TYPE
1	STRIP LIGHT (WARM WHITE)	560	0.85	1,500	658.82	6.52			15	50	5	2	2.0	N/A	THHN	20	PVC
2	STRIP LIGHT (WARM WHITE) 4-12W LED SPOT LIGHT	504	0.85	1,500	592.94		6.52		15	50	5	2	2.0	N/A	THHN	20	PVC
3	4 - 2x10W LED DOUBLE MULTI-DIRECTIONAL RECESSED DOWNLIGHT PINLIGHT 8 - 5W DOWNLIGHT PINLIGHT RECESSED TYPE 4"	120	0.85	1,500	141.18			6.52	15	50	5	2	2.0	N/A	THHN	20	PVC
4	14 - 2x10W LED DOUBLE MULTI-DIRECTIONAL RECESSED DOWNLIGHT PINLIGHT	280	0.85	1,500	329.41	6.52			15	50	5	2	2.0	N/A	THHN	20	PVC
5	6 - 9W UP DOWN WALL LAMP (WARM WHITE)	54	0.85	1,500	63.53		6.52		15	50	5	2	2.0	N/A	THHN	20	PVC
6	10 - 5W TRACK LIGHT 2 - 10W PENDANT LIGHT	70	0.85	1,500	82.35			6.52	15	50	5	2	2.0	N/A	THHN	20	PVC
7	6 - 3X1 TRACK LIGHT WITH RAILS @5W EACH	90	0.85	1,500	105.88	6.52			15	50	5	2	2.0	N/A	THHN	20	PVC
8	10 - 5W TRACK LIGHT 2 - 10W PENDANT LIGHT 1 - 3X10W GLASS TUBE LIGHT	100	0.85	1,500	117.65		6.52		15	50	5	2	2.0	N/A	THHN	20	PVC
9	10 - 5W TRACK LIGHT 2 - 10W PENDANT LIGHT	70	0.85	1,500	82.35			6.52	15	50	5	2	2.0	N/A	THHN	20	PVC
10	2 - CONVENIENCE OUTLET	360	1.0	1,500	360	6.52			20	50	5	2	3.5	2.0	THHN	20	PVC
11	2.5HP SPLIT TYPE ACU (INVERTER TYPE)	3,910	1.0	3,220	3,220		14		40	50	5	2	8.0	3.5	THHN	20	PVC
12	2.5HP SPLIT TYPE ACU (INVERTER TYPE)	3,910	1.0	3,220	3,220		14		40	50	5	2	8.0	3.5	THHN	20	PVC
13	S P A R E	1,500		1,500	1,500	6.52			PROVIDE CONDUIT								
14	S P A R E	1,500		1,500	1,500		6.52										
	T O T A L	13,028		24,440	11,974.12	32.6	43.08	36.56									

MAIN DISTRIBUTION PANEL LOAD ANALYSIS
BASIC LOADS @70%, MOTOR LOADS @100% DEMAND FACTOR:

CONDUCTOR SIZING:

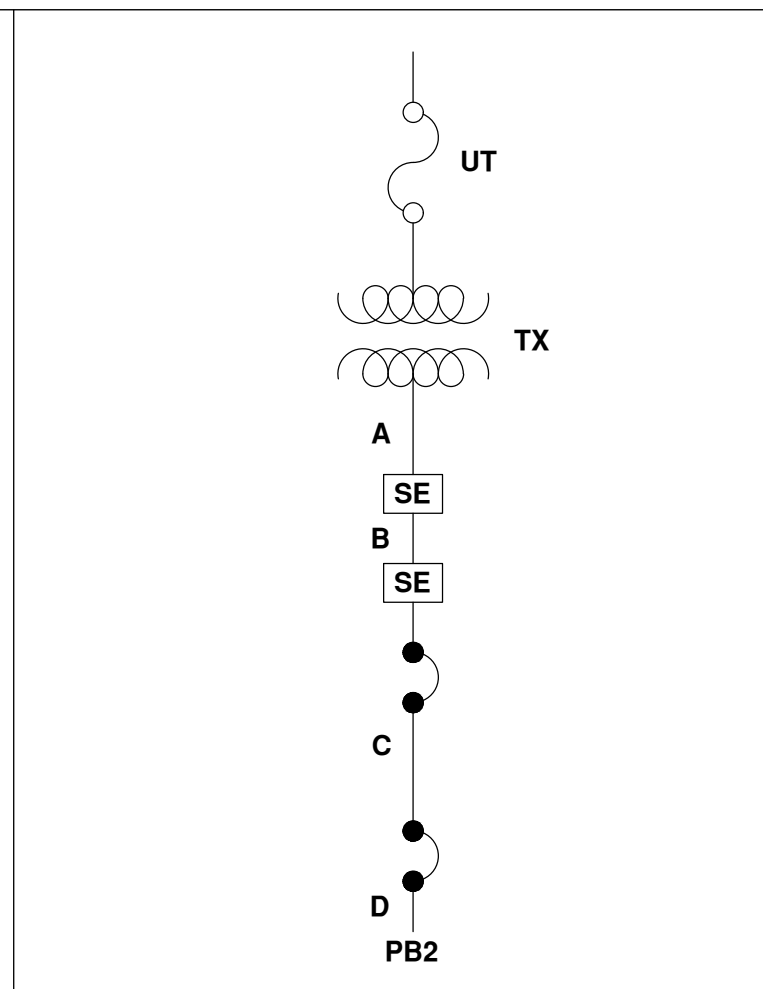
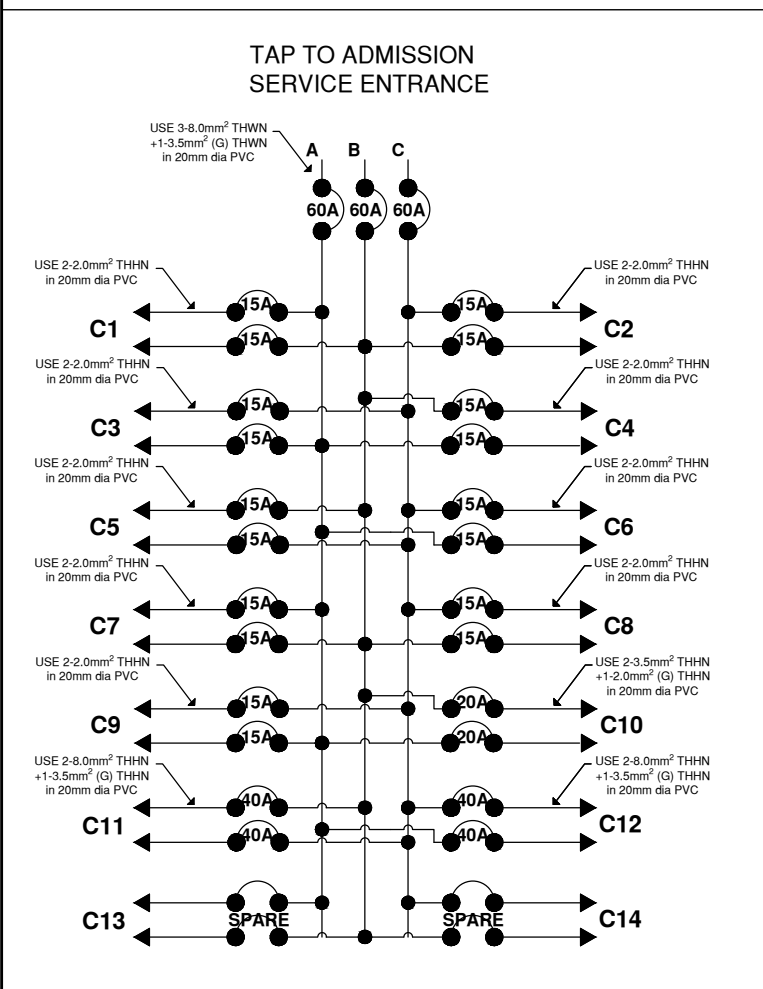
$$I_L = \frac{5,534.12VA (70\%) + 3,220VA (100\%) + 3,220VA (125\%)}{\sqrt{3} \times 230V} = 27.91A$$

USE: 3-8.0mm² THWN + 1-3.5mm² (G) THWN in 20mm dia PVC

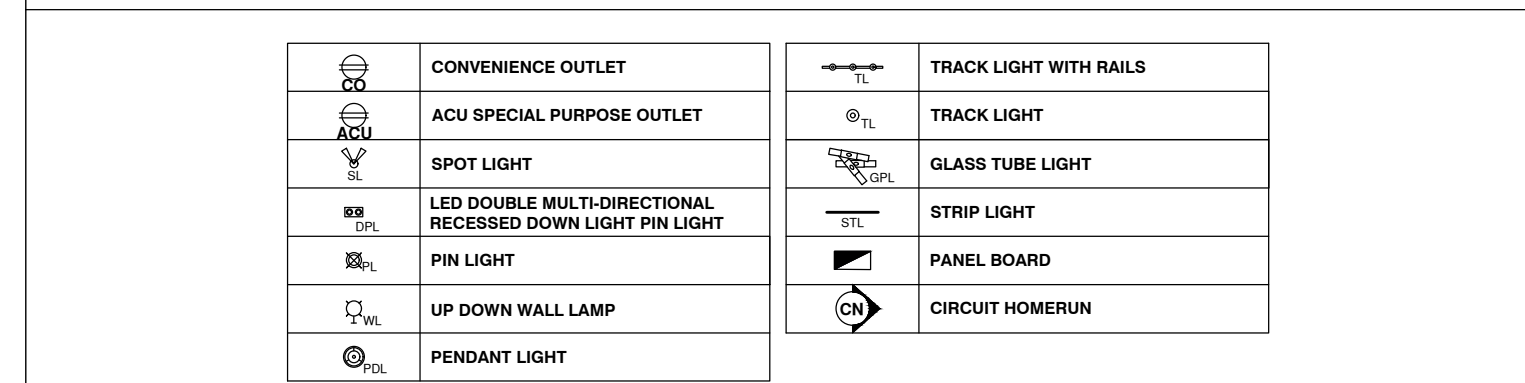
OVERCURRENT PROTECTIVE DEVICE SIZING:

$$I_L = \frac{5,534.12VA (70\%) + 3,220VA (100\%) + 3,220VA (125\%)}{\sqrt{3} \times 230V} = 38.01A$$

USE: 60AT, 100AF, 3P, 230V, 60HZ, 10KAIC MCB BOLT ON CENTER MAIN

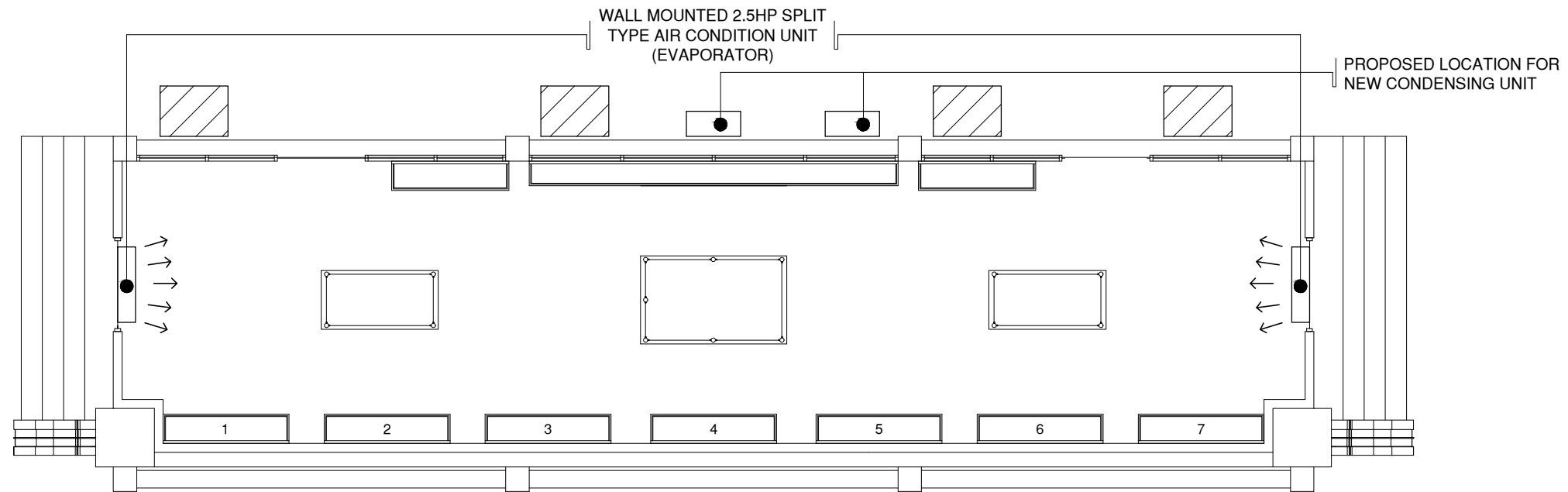


IMPEDANCE ID	DESCRIPTION	CONDUCTOR SIZE(mm ²)	CONDUCTOR LENGTH(m)	NO. OF COND/Ø	MVAbase	KVbase	RL 305m	XL 305m	Zpu
Ut	UTILITY IMPEDANCE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.005
Tx	3-167kVA TRANSFORMER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.045
A	COLLEGE OF LAW SERVICE ENTRANCE	375	300	1	0.5	0.23	0.019	0.038	0.3949793
B	CLAW SE TO ADMISSION SERVICE ENTRANCE	14	80	1	0.5	0.23	0.49	0.051	1.2213504
C	PB	8.0	25	1	0.5	0.23	0.78	0.052	0.6056365
D	ACU	8.0	28	1	0.5	0.23	0.78	0.052	0.6783129



LEGENDS AND SYMBOLS	
	CONVENIENCE OUTLET
	ACU SPECIAL PURPOSE OUTLET
	SPOT LIGHT
	LED DOUBLE MULTI-DIRECTIONAL RECESSED DOWN LIGHT PIN LIGHT
	PIN LIGHT
	UP DOWN WALL LAMP
	PENDANT LIGHT
	TRACK LIGHT WITH RAILS
	TRACK LIGHT
	GLASS TUBE LIGHT
	STRIP LIGHT
	PANEL BOARD
	CIRCUIT HOMERUN

	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER:	RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.:
	ENGR. RICARDO B. GONZALES UNIVERSITY ELECTRICAL ENGINEER	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	DR. MELANIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	DR. JOSELITO J. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	DR. MA. CARLA A. OCHOTORENA WMSU PRESIDENT	-GENERAL NOTES -LOAD ANALYSIS -FAULT CALCULATION	E3 1920
	PRC: 23724 PTR: TIN: 275203179	PRC: PTR: TIN:	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY	PRC: 0010577 PTR: 2559115 TIN: 445013228				DRAFTED BY: KXF



TOTAL FLOOR AREA: 96.314 SQM
AIR CONDITION LAYOUT
 SCALE: 1:100 MTRS

1. All works herein shall be done in accordance with the latest edition of the Philippine Electrical Code(PEC). Relatively the same, it should follow rules and regulations of the National Building Code enforced by the building official of City of Zamboanga, and of local electric cooperative the Zamboanga City Electric Cooperative (ZAMCELCO).
2. Motor loads shall be provided with magnetic contactor coupled with overload relay as over-current-protection, and the setting shall be 125% of the motor full load current.
3. All non-current carrying electrical materials such as motor frames, metal enclosures, pull boxes and panel shall be adequately grounded in accordance with the latest edition of the PEC.
4. Electrical wiring installation shall be done in polivinyll chloride conduits (PVC). Minimum size for all conduits shall be 20mm diameter electrical trade.
5. All wires shall be copper and thermoplastic insulated type "THHN" except the Main Feeder Conductors which is THWN. The minimum size for power is 3.5mm² and lighting shall be 2.0mm² and shall be color coded as follows:
 Line A -Red
 Line B -Blue
 Line C -Yellow
 Neutral -Yellow with green stripes
 Equipment Grounding -Green
6. All lamps fixtures shall be LED.
7. All convenience outlet shall be three(3) prong type, to address proper grounding.
8. The mounting height of all wiring devices shall be as follows:
 A.Convenience outlets 300mm above floor finished or as required
 B.Panel boards shall be installed 1800mm above floor finished line; and
9. There shall be adequate and effective equipment grounding. Ground resistance should be no more than 5 ohms. If ground resistance exceeds 5 ohms, additional ground rods shall be provided.
10. Conductors, Main Breaker, Feeders and Circuit Protection to be used shall be of quality type to ensure safety.
11. Grounding Electrode Conductor shall not be smaller than 80mm² copper(Cu) or 125mm² Aluminum(Al).
12. All electrical installation shall be done under the direct supervision of a valid license and experienced Electrical Engineer (PEE or REE).

GENERAL NOTES AND SPECIFICATION
 SCALE MTRS

	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENTS	SHEET NO.
	ENGR. RICARDO B. GONZALES UNIVERSITY ELECTRICAL ENGINEER	RENOVATION OF ZAMBOANGA NORMAL SCHOOL BUILDING AZOTEA	DR. MELNIE F. LEAR FOCAL PERSON, UNIVERSITY MUSEUM	ARCH. JOSEPH ANDREW L. SAHIAL, uap DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT		E4 2020
	PRC: 23724 PTR: TIN: 275203179	PRC: PTR: TIN:	LOCATION: WMSU LOT-1, NORMAL ROAD BALIWASAN, ZAMBOANGA CITY	PRC: 0010577 PTR: 2559115 TIN: 445013228			DRAFTED BY: KXF	