1 / A-1 PERSPECTIVE VIEW
SCALE: NTS

TABLE OF CONTENTS

REPUBLIC OF THE PHILIPPINES

OFFICE OF THE CITY/MUNICIPAL ENGINEER/BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

REPUBLIC OF THE PHILIPPINES

DepED DEPARTMENT OF EDUCATION

PHYSICAL FACILITIES AND SCHOOLS ENGINEERING DIVISION

MERALCO AVENUE, PASIG CITY

PREPARED BY :	CHECKED BY :	RECOMMENDING APPROVAL :	APPROVED BY :
MAXIMO M. CALBANG PDO – III PFSED–DepED	NATHANIEL Q. MENDOZA ARCHITECT III PFSED–DepED	LUIS G. PURISIMA JR. HEAD, PLANNING AND DESIGN UNIT PFSED–DepED	OLIVER R. HERNANDEZ CHIEF, PFSED–OPS DepED

PROJECT TITLE : ONE STOREY TWO CLASSROOM 7x9m (MODIFIED)

LOCATION :

PROJECT NO: 00200511

DESIGNED BY: NQM

ENCODED BY: Max C.

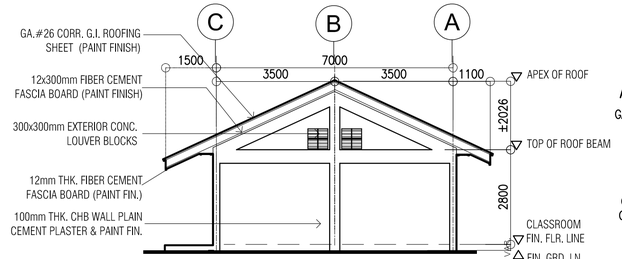
CHECKED BY: LGP

DATE : 01 01 2005

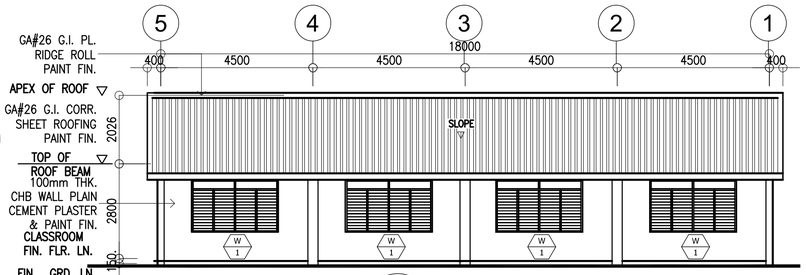
OWNER : **DEPARTMENT OF EDUCATION DepED**

SHEET CONTENTS : PERSPECTIVE VIEW TABLE OF CONTENTS

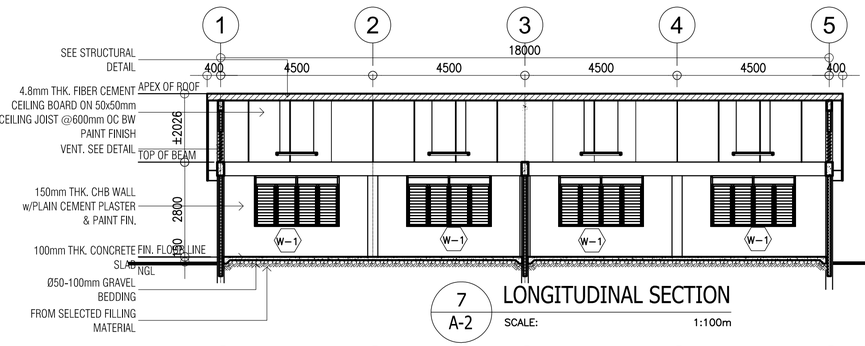
SHEET NO: A -1 / 3



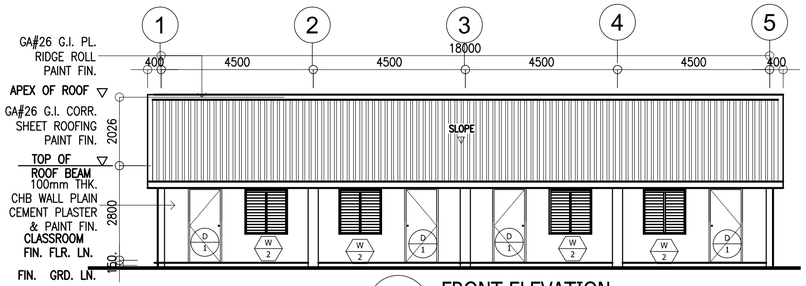
3 / A-2 RIGHT ELEVATION
SCALE: 1:100m



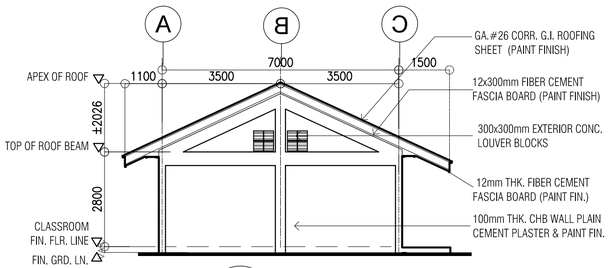
2 / A-2 FRONT ELEVATION
SCALE: 1:100m



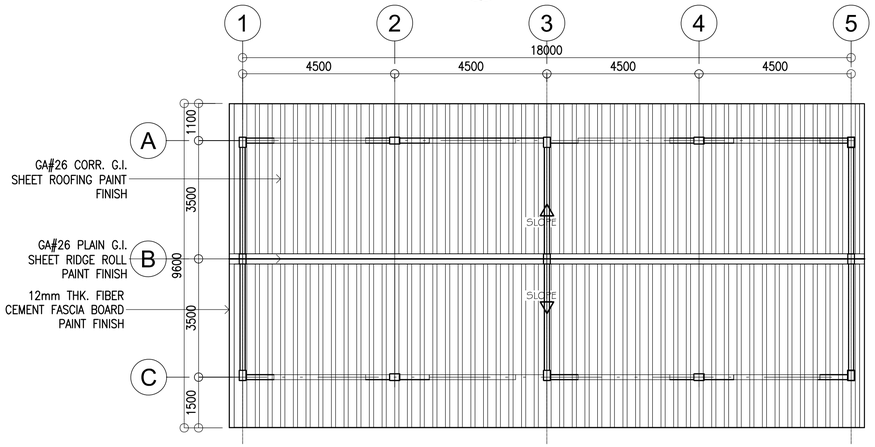
7 / A-2 LONGITUDINAL SECTION
SCALE: 1:100m



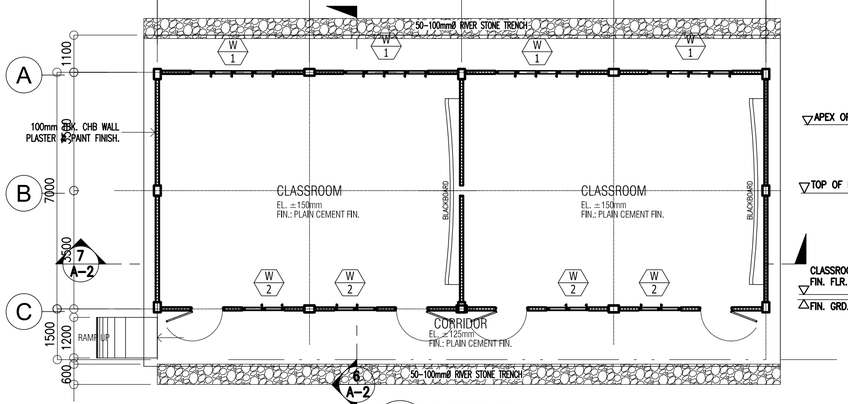
2 / A-2 FRONT ELEVATION
SCALE: 1:100m



4 / A-2 LEFT ELEVATION
SCALE: 1:100m

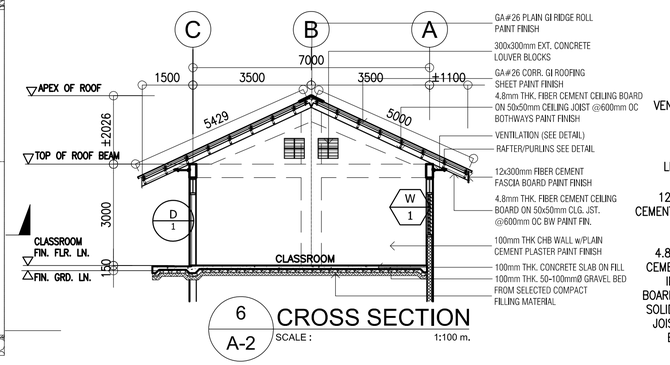


9 / A-2 ROOF PLAN
SCALE: 1:100mm

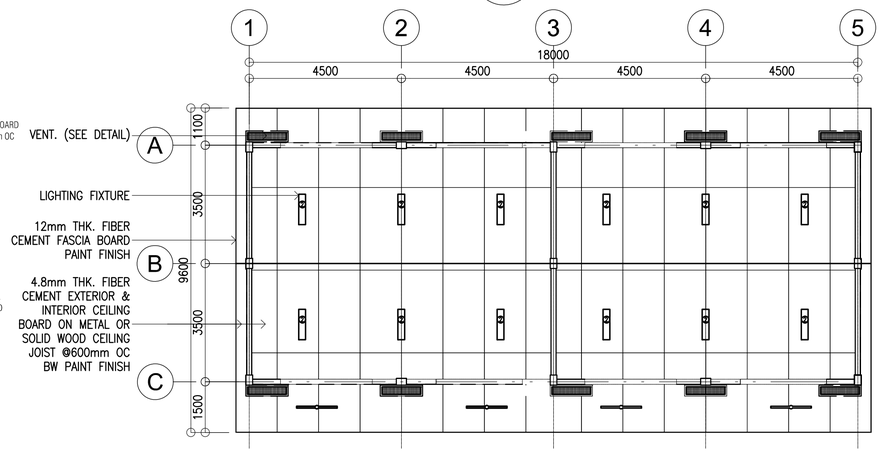


1 / A-2 FLOOR PLAN
1:100m

SCHED. OF FLOOR FIN.	
FL–1	PLAIN CEMENT FLOOR FIN.
FL–2	PLAIN CEMENT FLR. FIN. W/ GROOVE (ROUGH)



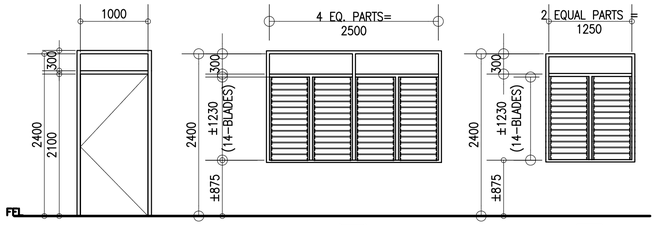
6 / A-2 CROSS SECTION
SCALE : 1:100 m.



1 / A-2 REFLECTED CEILING PLAN
SCALE: 1:100m

REPUBLIC OF THE PHILIPPINES
DepED
DEPARTMENT OF EDUCATION
PHYSICAL FACILITIES AND SCHOOLS ENGINEERING DIVISION
MERALCO AVENUE, PASIG CITY

PREPARED BY :	CHECKED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	PROJECT TITLE :	PROJECT NO: 00200511	OWNER :	SHEET NO:
MAXIMO M. CALBANG PDO – III PFSED–DepED	NATHANIEL Q. MENDOZA ARCHITECT III PFSED–DepED	LUIS G. PURISIMA JR. HEAD, PLANNING AND DESIGN UNIT PFSED–DepED	OLIVER R. HERNANDEZ CHIEF, PFSED–OPS DepED	ONE STOREY TWO CLASSROOM 7x9m (MODIFIED) LOCATION :	DESIGNED BY: NQM ENCODED BY: Max C. CHECKED BY: LGP DATE : 01 01 2005	DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : FLOOR, REFLECTED CLG., ROOF PLANS,FRONT, RIGHT, REAR, LEFT ELEVATIONS, CROSS, LONGITUDINAL SECTIONS	A -2 3



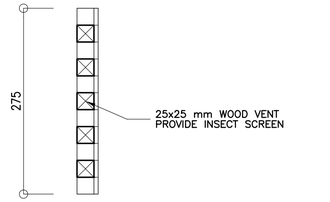
HOLLOW CORE FLUSH TYPE HINGED DOOR ON 50x100mm WOOD JAMBS/FRAMES

JALOUSIE WINDOW W/ CLEAR GLASS BLADES ON STD. ALUM. HOUSING & FIXED CLEAR GLASS TRANSOMS ON 50x100mm WD. JAMBS/FRAMES

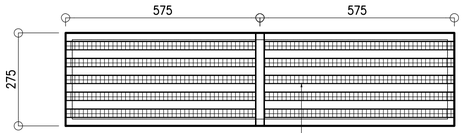
SAME AS W-1

1/A-3 DOOR & WINDOW SCHEDULE

SCALE: 1:50m



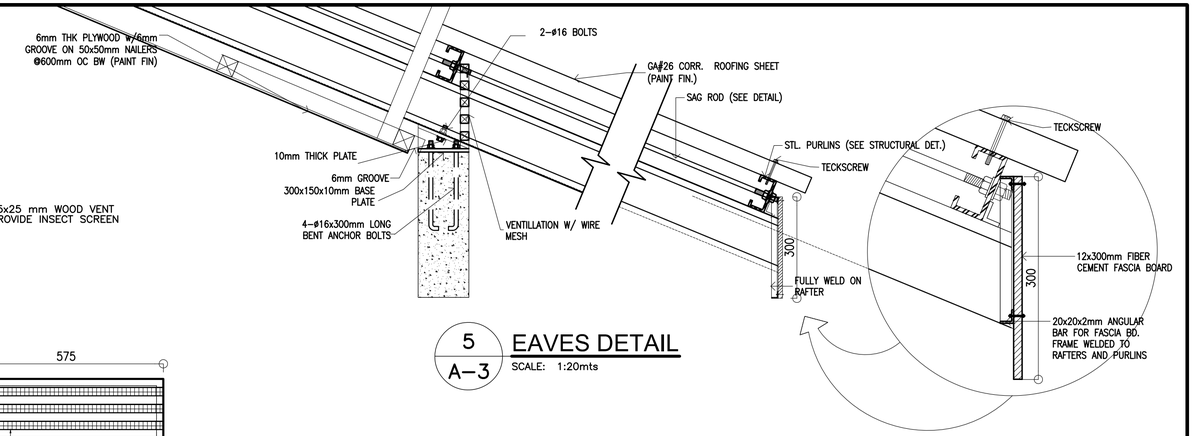
ELEV



PLAN

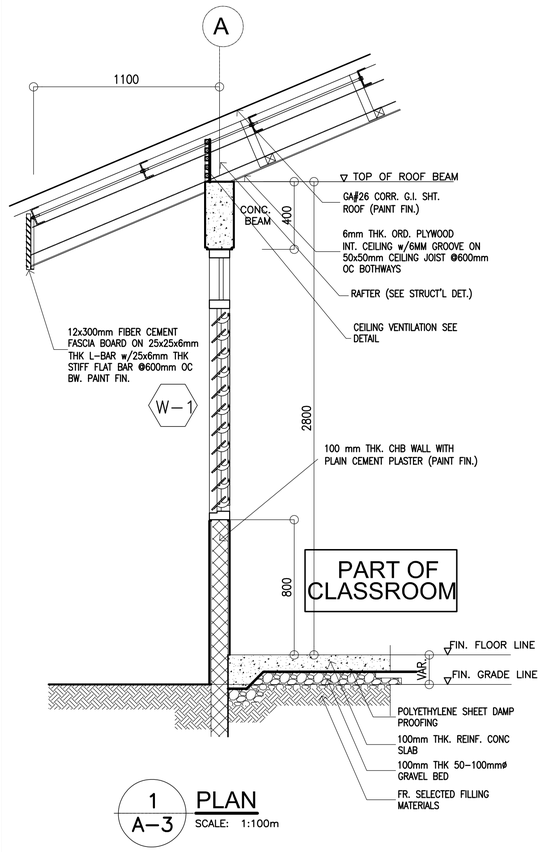
4/A-3 TYP. CLG. VENT. DETAILS

SCALE: 1:10 mts.



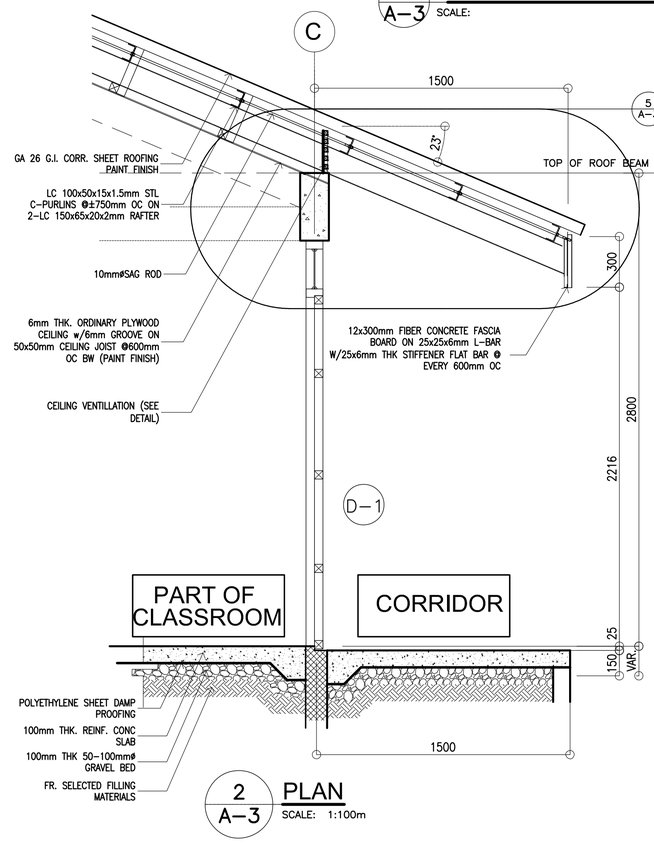
5/A-3 EAVES DETAIL

SCALE: 1:20mts



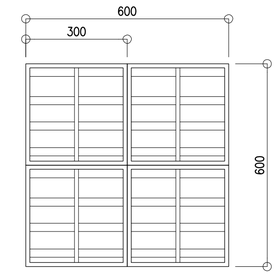
1/A-3 PLAN

SCALE: 1:100m

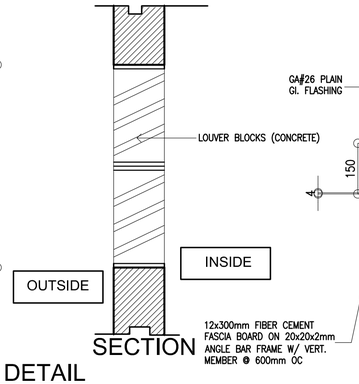


2/A-3 PLAN

SCALE: 1:100m



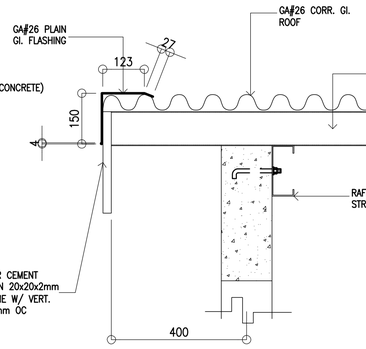
ELEVATION



SECTION

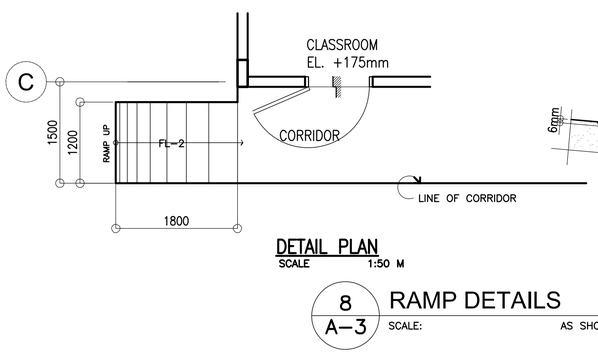
6/A-3 LOUVER BLOCK DETAIL

SCALE: 1:10 mts.



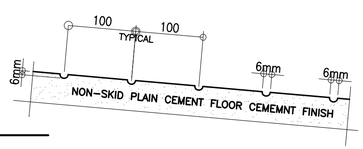
7/A-3 EAVES DETAIL

SCALE : 1:20M



DETAIL PLAN

SCALE 1:50 M



DETAIL SECTION

SCALE 1:5 M

8/A-3 RAMP DETAILS

SCALE: AS SHOWN

REPUBLIC OF THE PHILIPPINES
DepED
DEPARTMENT OF EDUCATION
PHYSICAL FACILITIES AND SCHOOLS ENGINEERING DIVISION
MERALCO AVENUE, PASIG CITY

PREPARED BY :	CHECKED BY :	RECOMMENDING APPROVAL :	APPROVED BY :
MAXIMO M. CALBANG PDO - III PFSED-DepED	NATHANIEL Q. MENDOZA ARCHITECT III PFSED-DepED	LUIS G. PURISIMA JR. HEAD, PLANNING AND DESIGN UNIT PFSED-DepED	OLIVER R. HERNANDEZ CHIEF, PFSED-OPS DepED

PROJECT TITLE : ONE STOREY TWO CLASSROOM 7x9m (MODIFIED)

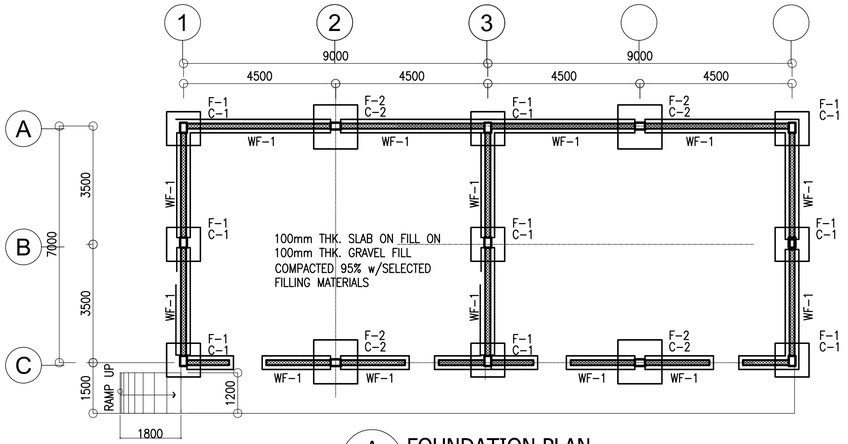
LOCATION :

PROJECT NO: 00200511
DESIGNED BY: NQM
ENCODED BY: Max C.
CHECKED BY: LGP
DATE : 01 01 2005

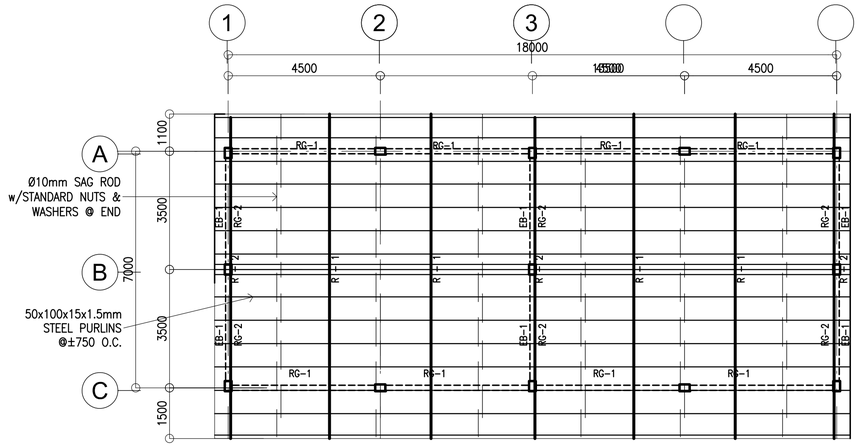
OWNER : DEPARTMENT OF EDUCATION DepED

SHEET CONTENTS : DOOR & WINDOW SCHEDULE DETAILS

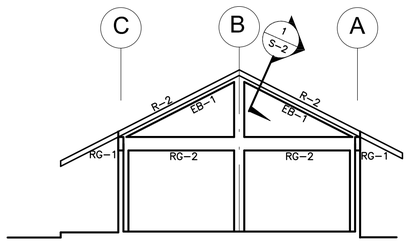
SHEET NO: A-3 / 3



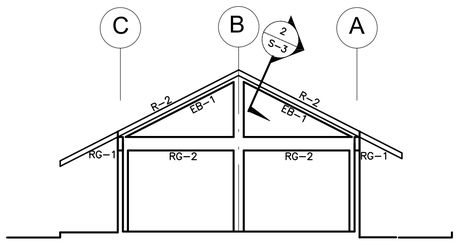
A S-1 FOUNDATION PLAN
SCALE: 1:100m



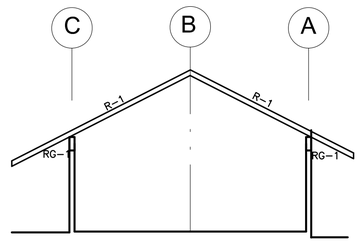
B S-1 ROOF FRAMING PLAN
SCALE: 1:100m



C S-1 ELEV END GRID
SCALE: 1:100m

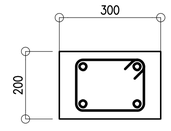
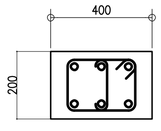


D S-1 ELEV PARTITION GRID
SCALE: 1:100m



E S-1 ELEV BETWEEN GRID
SCALE: 1:100m

COLUMN SCHEDULE

LEVEL	C-1	C-2
FOUNDATION LEVEL TO ROOF LEVEL	 MAIN BAR: 4-ø16mm TIES : ø10 mm 1@50, 8@75, REST @ 150mm TO CENTER	 MAIN BAR: 6-ø16mm TIES : ø10 mm 1@50, 8@75, REST @ 150mm TO CENTER

SCHEDULE OF FOOTINGS

FOOTING MARK	FOOTING DIMENSIONS (mm)				REINFORCEMENT		REMARKS
	LENGTH (L)	WIDTH (W)	DEPTH (D)	THICKNESS (t)	BAR X	BAR Y	
F-1	800	800	1200	250	4 - 16mmø	4 - 16mmø	SQUARE FOOTING
F-2	1000	1000	1200	250	4 - 16mmø	4 - 16mmø	SQUARE FOOTING

DESIGN CRITERIA :

A. CONCRETE

f_c' = 20.685 Mpa (3,000 Psi), minimum compressive strength of concrete @ 28 days unless otherwise specified.

B. REBAR

fy = 275.8 Mpa (40,000 Psi), minimum yield strength of reinforcing bars unless otherwise specified.

C. STRUCTURAL STEEL

Fy = 248 Mpa (36 Ksi), specified minimum yield strength unless otherwise specified.

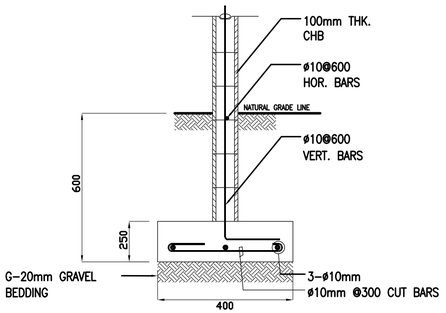
D. FOUNDATION

SBP = 95.706 Kpa (2,000 Psf), was used in the design for all footings. No footing shall rest on fill.

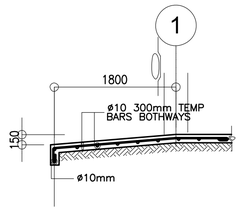
REPUBLIC OF THE PHILIPPINES
DepED
DEPARTMENT OF EDUCATION
PHYSICAL FACILITIES AND SCHOOLS ENGINEERING DIVISION
MERALCO AVENUE, PASIG CITY

PREPARED BY :	CHECKED BY :	RECOMMENDING APPROVAL :	APPROVED BY :
MAXIMO M. CALBANG PDO - III PFSED-DepED	ANTONIA M. ALHAMBRA CIVIL ENGINEER/MASTER PLUMBER PFSED-DepED	LUIS G. PURISIMA JR. HEAD, PLANNING AND DESIGN UNIT PFSED-DepED	OLIVER R. HERNANDEZ CHIEF, PFSED-OPS DepED

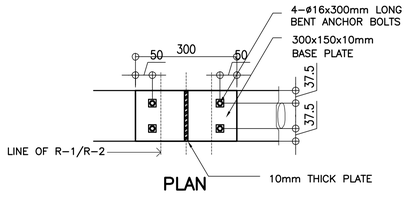
PROJECT TITLE :	PROJECT NO: 00200511	OWNER :	SHEET NO:
ONE STOREY TWO CLASSROOM 7x9m (MODIFIED)	DESIGNED BY: AMA	DEPARTMENT OF EDUCATION DepED	S -1
	ENCODED BY: Max C.		
	CHECKED BY: LGP	SHEET CONTENTS : FOUNDATION PLAN, ROOF FRAMING PLAN FOOTING DETAIL, COLUMN DETAIL, WF-1, RAMP DET.	2
LOCATION :	DATE : 01 01 2005		



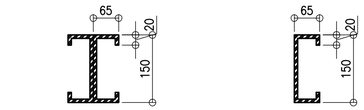
D S-1 DETAIL OF WF-1
SCALE : NTS.



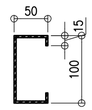
E S-1 DETAIL OF RAMP
SCALE 1 : 50M



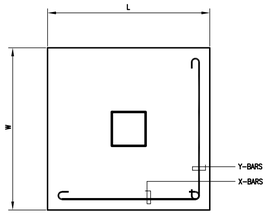
PLAN



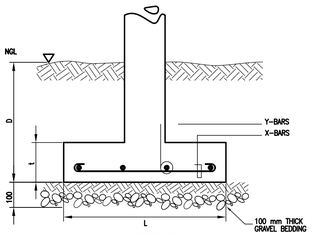
E S-2 DETAIL OF RAFTER
SCALE NTS



F S-2 DETAIL OF PURLINS
SCALE NTS

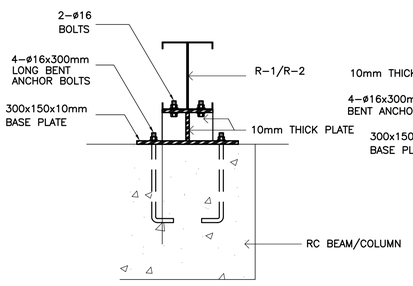


PLAN

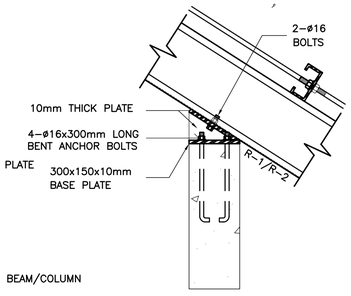


SECTION

C S-1 TYP. FOOTING DETAIL
SCALE :

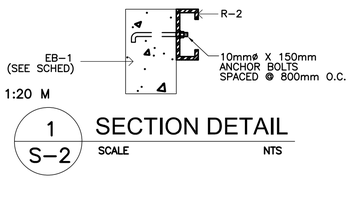


ELEVATION



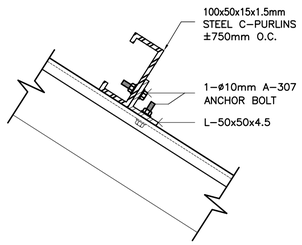
ELEVATION

D S-2 TYPICAL RAFTER ANCHORAGE DETAIL
SCALE

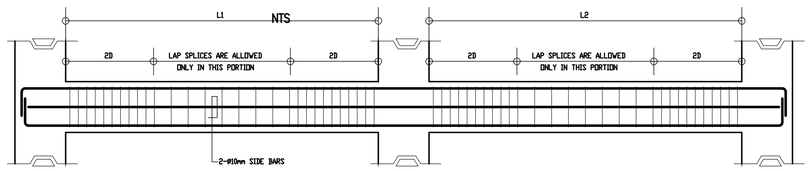


1:20 M

1 S-2 SECTION DETAIL
SCALE NTS



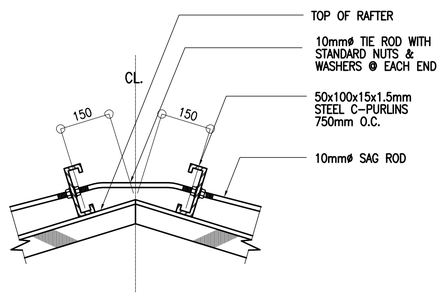
G S-2 PURLIN CONNECTION DET
SCALE 1 : 5 M



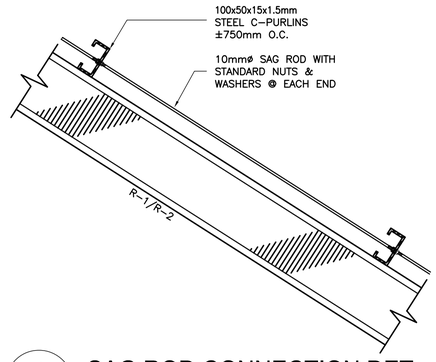
C S-2 TYPICAL BEAM ELEVATION

B E A M S C H E D U L E

FLOOR LEVEL	BEAM MARK	BEAM DIMENSIONS (in / mm)		STEEL REINFORCEMENTS							STIRRUPS ø10mm (UNLESS NOTED OTHERWISE)
				REBAR (mm ø)	LEFT		MID SPAN		RIGHT		
		b	h		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	
ROOF LEVEL	RG-1	150	400	ø12mm	2	2	2	2	2	2	1@50, 8@100, REST@200
	RG-2	150	400	ø12mm	2	2	2	2	2	2	1@50, 6@100, REST@200
	EB-1	150	250	ø10mm	2	2	2	2	2	2	1@50, REST@200



H S-2 TIE ROD CONNECTION DET.
SCALE 1 : 10 M



I S-2 SAG ROD CONNECTION DET.
SCALE 1 : 10 M

REPUBLIC OF THE PHILIPPINES
DepED
DEPARTMENT OF EDUCATION
PHYSICAL FACILITIES AND SCHOOLS ENGINEERING DIVISION
MERALCO AVENUE, PASIG CITY

PREPARED BY :	CHECKED BY :	RECOMMENDING APPROVAL :	APPROVED BY :
MAXIMO M. CALBANG PDO - III PFSED-DepED	ANTONIA M. ALHAMBRA CIVIL ENGINEER/MASTER PLUMBER PFSED-DepED	LUIS G. PURISIMA JR. HEAD, PLANNING AND DESIGN UNIT PFSED-DepED	OLIVER R. HERNANDEZ CHIEF, PFSED-OPS DepED

PROJECT TITLE : ONE STOREY TWO CLASSROOM 7x9m (MODIFIED)

LOCATION :

PROJECT NO: 00200511
DESIGNED BY: AMA
ENCODED BY: Max C.
CHECKED BY: LGP
DATE : 01 01 2005

OWNER : DEPARTMENT OF EDUCATION DepED

SHEET CONTENTS : ELEVATIONS, BEAM DETAIL & SCHED. TYPICAL CONNECTION DETAIL

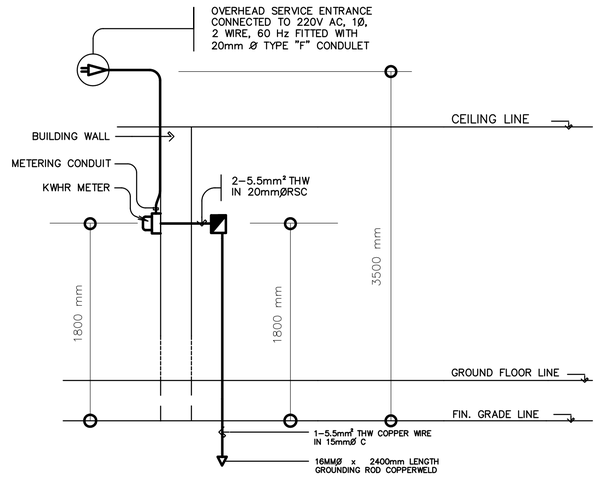
SHEET NO: S -2 / 2

GENERAL NOTES

1. ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC). THE RULES AND REGULATION OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY.
   THE ELECTRICAL WORKS SHALL BE UNDER IMMEDIATE SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER.
2. THE ELECTRICAL SERVICE POWER IS 1–PHASE, 2–WIRE, 230 V AC, 60 Hz.
3. WIRING METHOD SHALL BE AS FOLLOWS :
   a. FEEDERS AND RISERS – INTERMEDIATE METALLIC CONDUIT
   b. LIGHTING, POWER RECEPTACLE BRANCH CKT., & AUXILIARY – POLYVINYL CHLORIDE CONDUIT SCH. 40
4. ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THW" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUN SHALL BE 3.5mm^2 AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15mmø TRADE/NOMINAL SIZE.
5. ALL OUTLET BOXES SHALL BE GALVANIZED GAUGE NO. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.
6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.
7. GROUNDING SYSTEM SHALL BE PROVIDED TO ALL LIGHTING AND POWER CIRCUIT AS PER PHILIPPINE ELECTRICAL CODE REQUIREMENT.
8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS :
   a. LIGHT SWITCH – 1.20 M ABOVE FINISH FLOOR
   b. CONVENIENCE OUTLET – 0.30 M ABOVE FINISH FLOOR.
   c. PANELBOARD – 1.80 M ABOVE FINISH FLOOR

LEGEND

SYMBOL		DESCRIPTION
	–	CEILING LIGHT OUTLET
2Ø	–	2 x 40 WATTS FLUORESCENT LAMP
F	–	CEILING FAN OUTLET
S/Sa	–	ONE GANG DEVICE SWITCH
Sab	–	TWO GANG DEVICE SWITCH
Scde	–	THREE GANG DEVICE SWITCH
S3W	–	THREE WAY DEVICE SWITCH
Sf	–	FAN CONTROL SWITCH
	–	RACEWAY CONDUIT CONCEALED IN CEILING
	–	RACEWAY CONDUIT CONCEALED UNDER FLOOR
	–	PANELBOARD
	–	DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE 10 AMPS, 250 VOLT WITH MODERN PLATE COVER
WP	–	WEATHERPROOF TYPE DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE 10 AMPS, 250 VOLT WITH MODERN PLATE COVER
LP	–	HOMERUN DIRECT TO PANELBOARD
20	–	CIRCUIT BREAKER, RATING AS INDICATED
	–	ELECTRIC SERVICE METER
	–	SERVICE ENTRANCE



ELECTRICAL RISER DIAGRAM

NOT TO SCALE

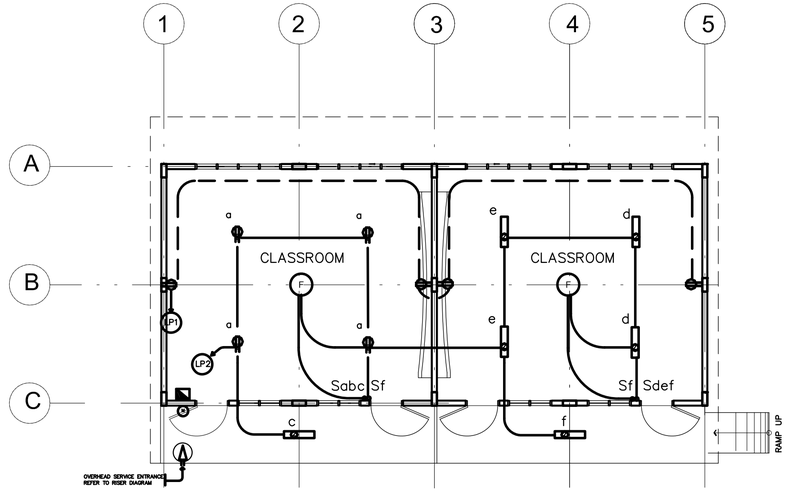
LOAD SCHEDULE

PANELBOARD: LP — **MAIN : 40AT, 100AF, 2P, 240V**

CKT. NO.	DESCRIPTION	VA LOAD	CIRCUIT BREAKER				WIRE & CONDUIT SIZE
			VOLT	POLE	AT	AF	
1	CONVENIENCE OUTLET	720	230	2	20	50	3–3.5mm^2 THW IN 15mm ØC
2	LIGHTS & FAN	1200	230	2	20	50	3–3.5mm^2 THW IN 15mm ØC
3	SPARE	1500	230	2	20	50	———
	TOTAL	3420					

$$IL = \frac{3420}{230\ V} = 15\ A$$

FEEDER: 2–5.5mm^2 THW IN 20mmØ RSC
PROTECTION: 40 AT, 50 AF, 2P, 240 V



ELECTRICAL LAYOUT

SCALE 1:100 M

REPUBLIC OF THE PHILIPPINES
DepED
DEPARTMENT OF EDUCATION
PHYSICAL FACILITIES AND SCHOOLS ENGINEERING DIVISION
MERALCO AVENUE, PASIG CITY

PREPARED BY :	CHECKED BY :	RECOMMENDING APPROVAL :	APPROVED BY :
MAXIMO M. CALBANG PDO – III PFSED–DepED	VENERANDO D. SAHAGUN ENGINEER III PFSED–DepED	LUIS G. PURISIMA JR. HEAD, PLANNING AND DESIGN UNIT PFSED–DepED	OLIVER R. HERNANDEZ CHIEF, PFSED–OPS DepED

PROJECT TITLE : ONE STOREY TWO CLASSROOM 7x9m (MODIFIED)

LOCATION :

PROJECT NO: 00200511 PROJECT NO: NCR/BGR-005

DESIGNED BY: VDS

ENCODED BY: Max C.

CHECKED BY: LGP

DATE : 01 01 2005

DEPARTMENT OF EDUCATION
DepED

SHEET CONTENTS : GENERAL NOTES, ELECTRICAL LAYOUT, CALCULATIONS, LEGEND, RISER DIAGRAM

SHEET NO: E -1 / 1