



KFW



PETRA
Programme for Earthquake
and Tsunami Infrastructure
Reconstruction Assistance



TECHNICAL PRESENTATION
ITB-UNDP-PETRA-128542-002-2021
CONSTRUCTION OF HEALTH AND SCHOOL
FACILITIES IN DONGGALA DISTRICT
CENTRAL SULAWESI

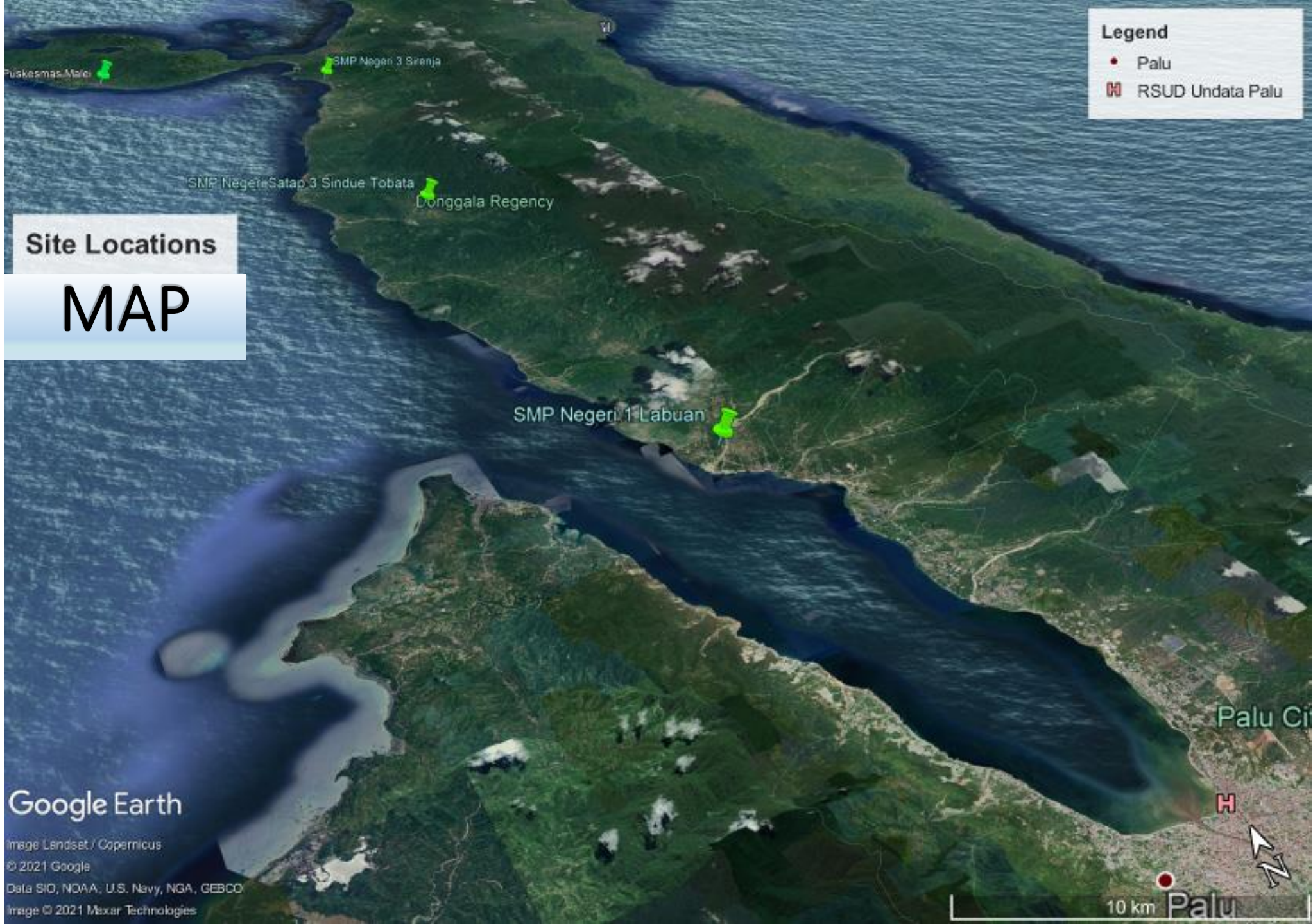


LOCATIONS

NO	SUB PROJECT
1	SMP NEGERI 3 SIRENJA
2	SMP NEGERI 1 LABUAN
3	SMP NEGERI SATAP3 SINDUE TOBATA
4	PUSKESMAS MALEI

LOCATION DETAILS & COORDINATES

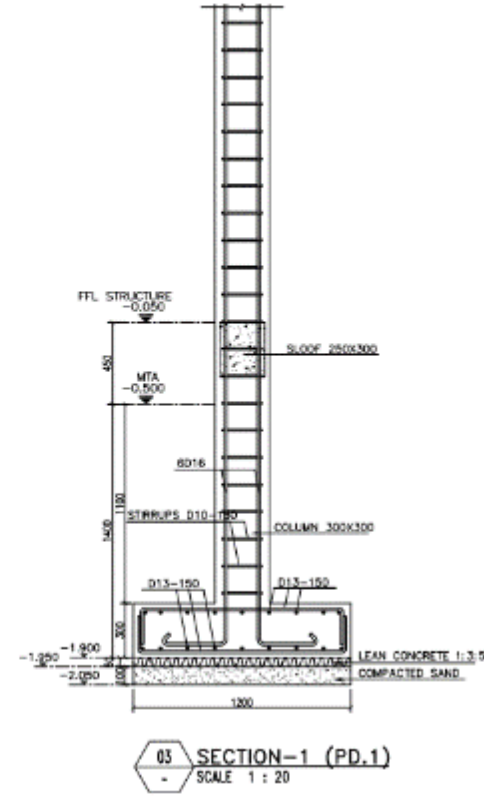
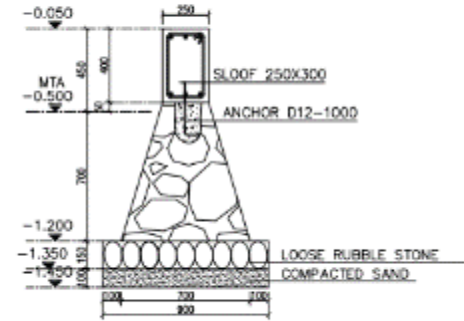
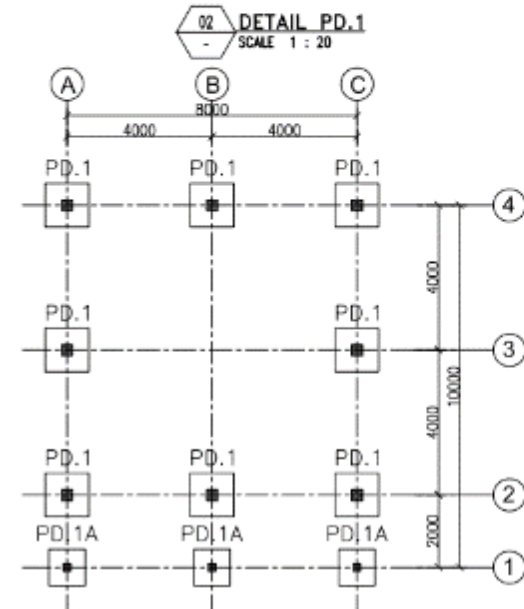
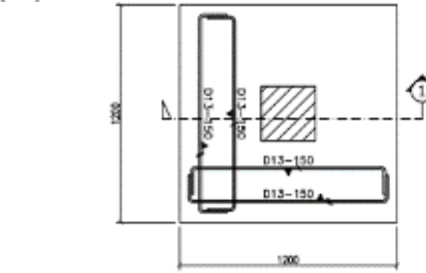
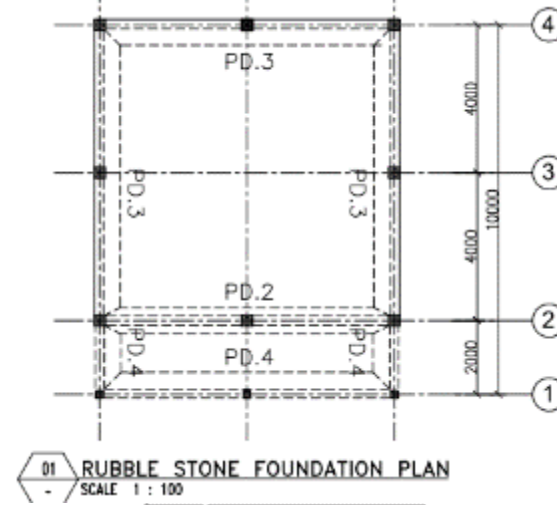
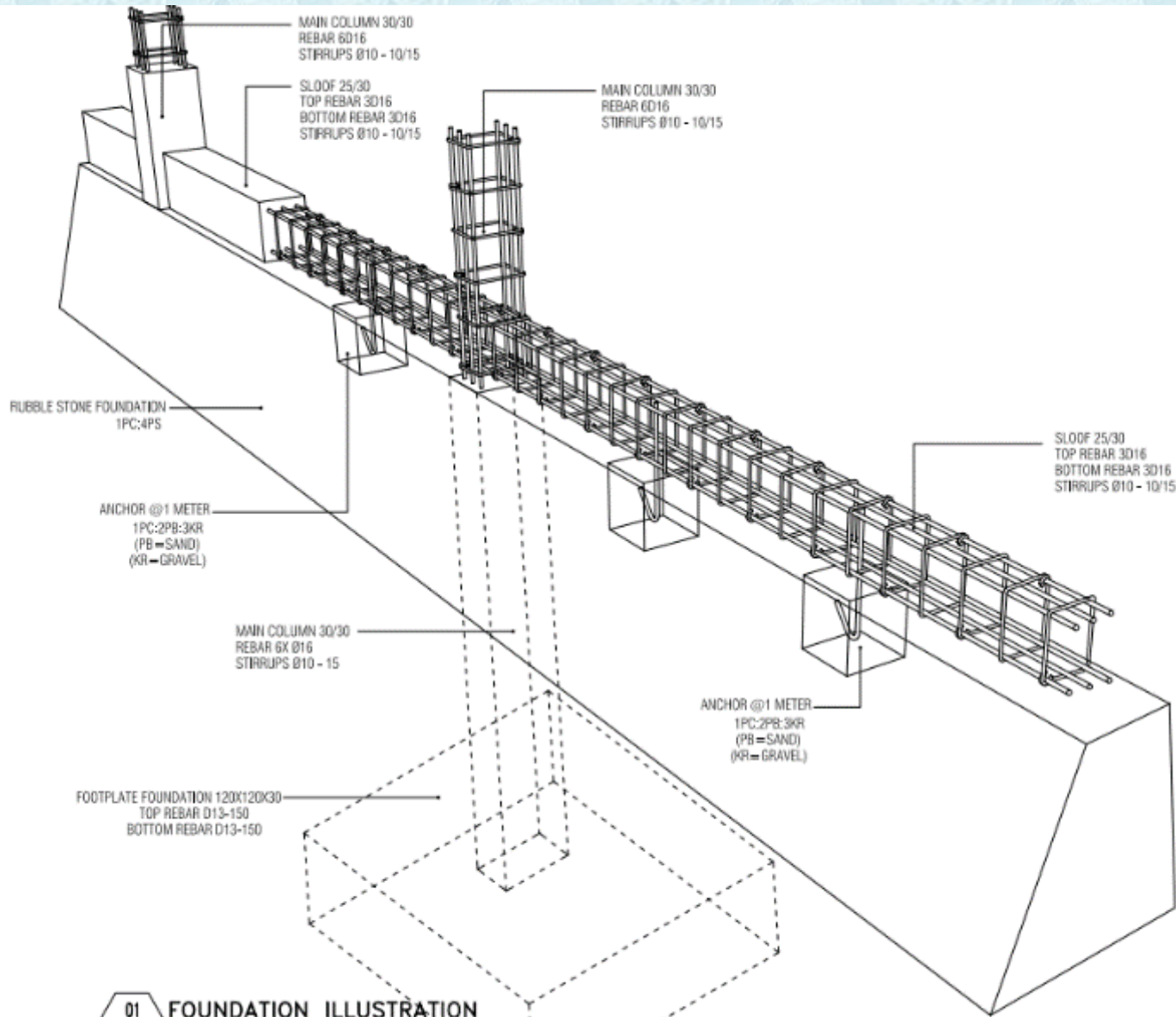
Location	Sub-District	Village	Gps Koordinat
SMP Negeri 3 Sirenja	Sirenja	Lende Tovea	<i>S : 0° 8' 58,873"</i> <i>E : 119° 48' 22,997"</i>
SMP Negeri 1 Labuan	Labuan	Labuan Induk	<i>S : 0° 40' 28,510"</i> <i>E : 119° 49' 57,572"</i>
SMPN Satap 3 Sindue Tobata	Sindue Tobata	Tama Renja	<i>S : 0° 24' 48,10"</i> <i>E : 119° 48' 22,70"</i>
Puskesmas Malei	Balaesang Tanjung	Malei	<i>S : 0° 7' 26,03"</i> <i>E : 119° 4' 14,92"</i>



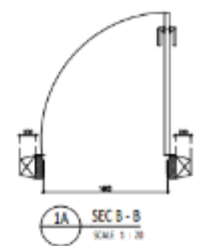
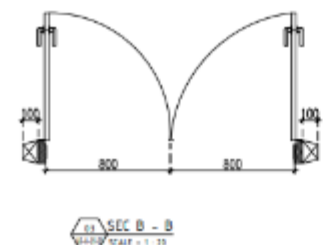
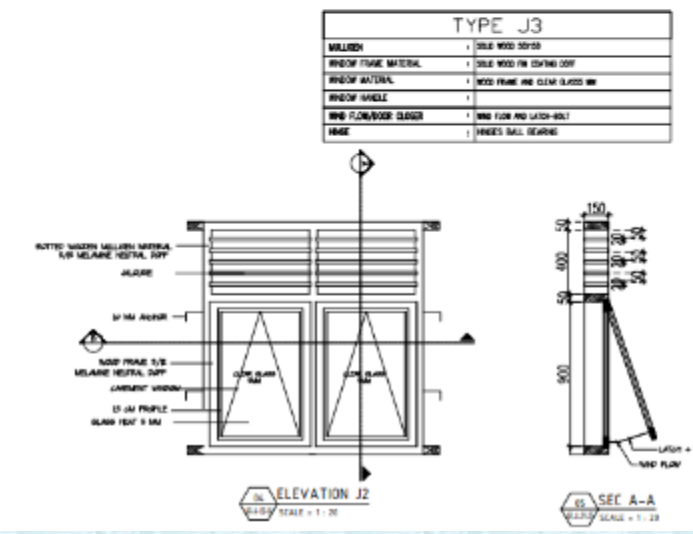
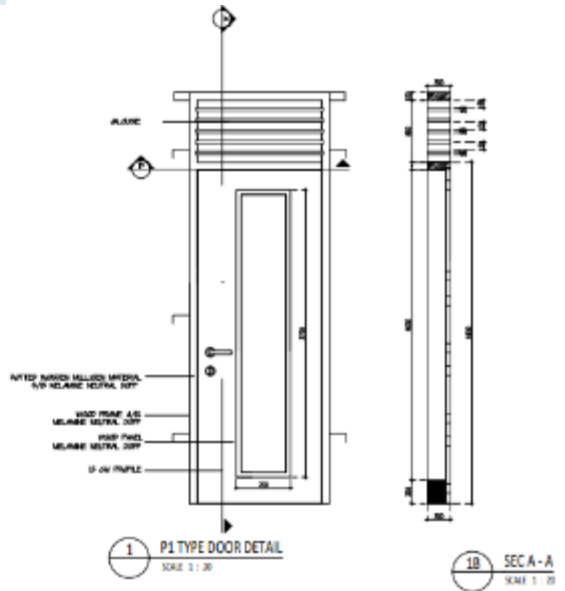
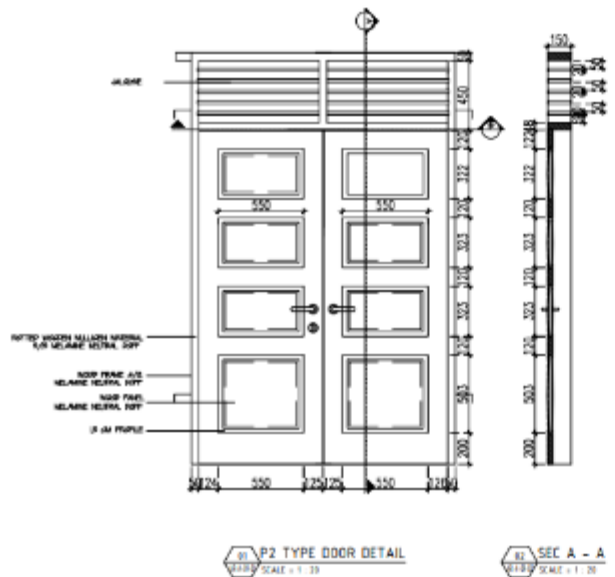
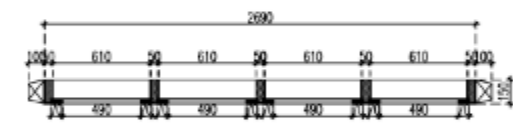
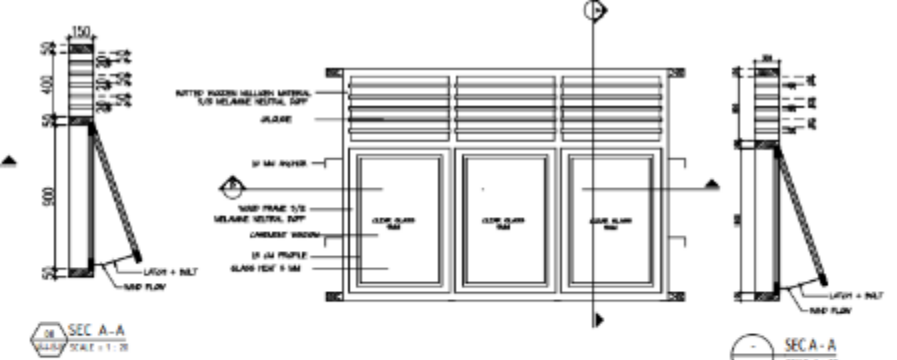
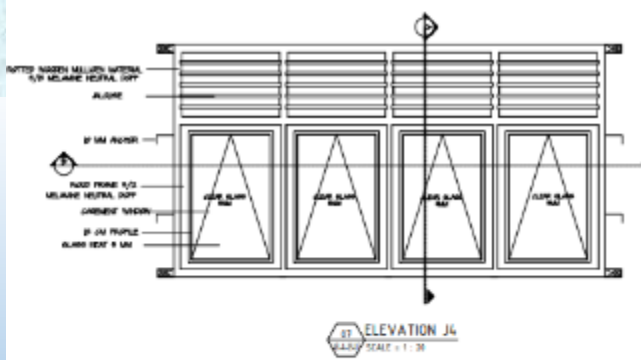
TECHNICAL SPECIFICATIONS

NO	WORK ITEM	MATERIAL
1.	FOUNDATION	Footplate Foundation, Stone Masonry & Bore Pile (1 loc.)
2.	STRUCTURE	Beam and Column (Reinforced Concrete)
3.	ROOF FRAME	Light Steel Trust
4.	ROOF MATERIAL	Zincalum Spandex (t=0,4mm) w. Aluminum Foil Layer
5.	CEILING	Calcium Board (t=6mm) with Hollow Frame
6.	WALL	Brick Wall, Masonry Plastering & Emulsion Paint finish
7.	FLOOR	Homogenous Tile and Ceramic Tile (Polished & Unpolished)
8.	DOOR AND WINDOW	Wooden Frame (Class-I) & Wooden Door / Window (5 mm Glass)
9.	SANITARY	Monoblock Closet, Lavatory & Faucet – TOTO or equivalent
10.	PAINTING	Dulux, Danapaint or equivalent
11.	PLUMBING	Wavin Class, Rucika, or equivalent
12.	ELECTRICAL	Panasonic, Clipsal, Philips, or equivalent
13.	OTHER WORKS	Railing for Disabilities – Stainless Steel

FOUNDATION ILLUSTRATION



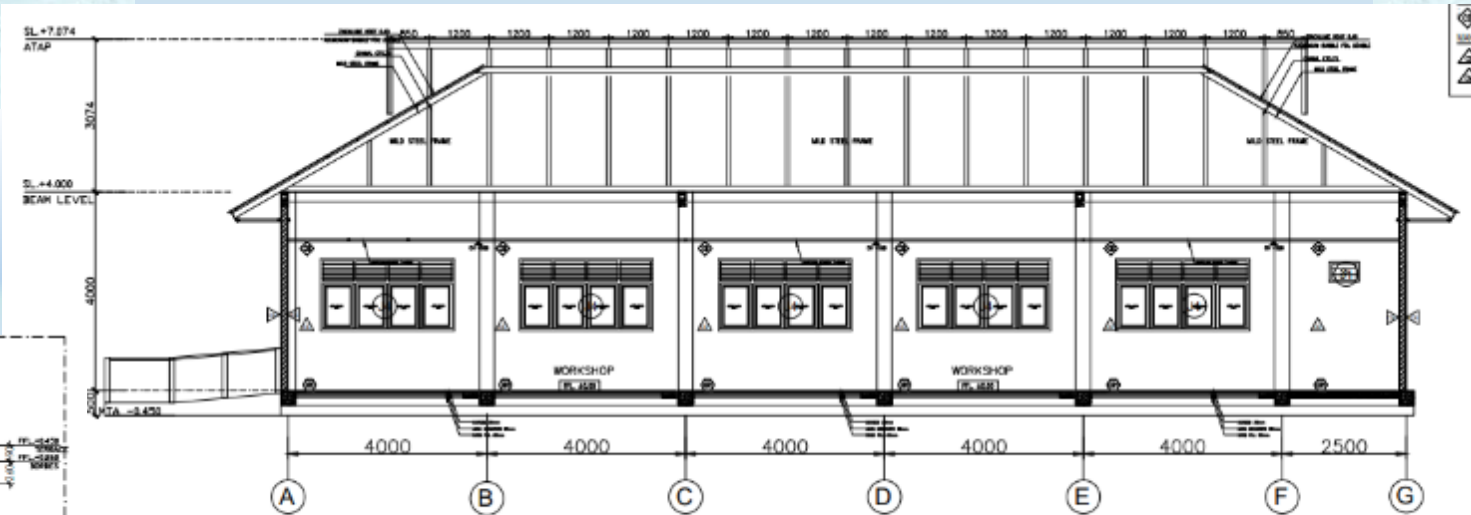
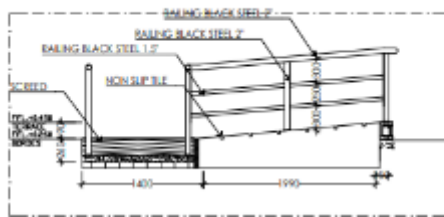
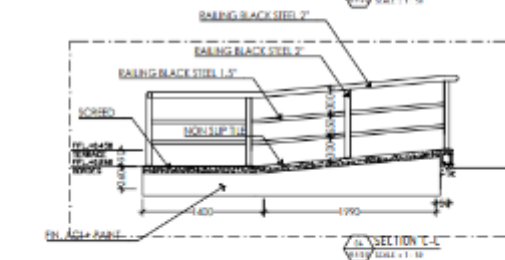
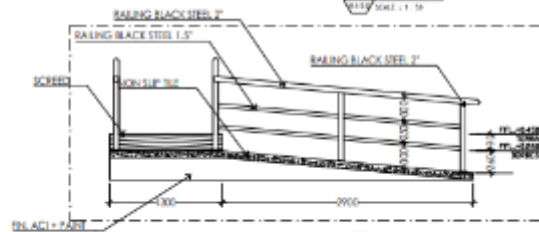
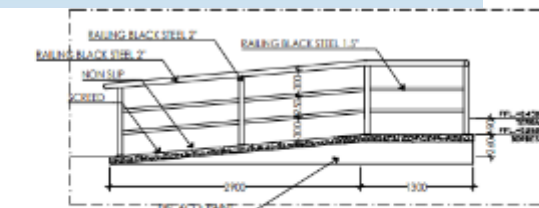
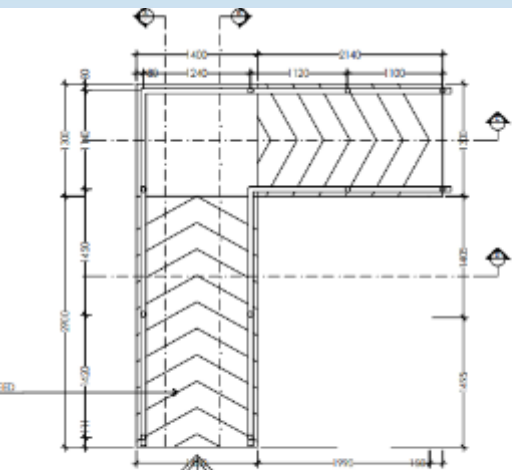
DOORS & WINDOWS PROTOTYPES



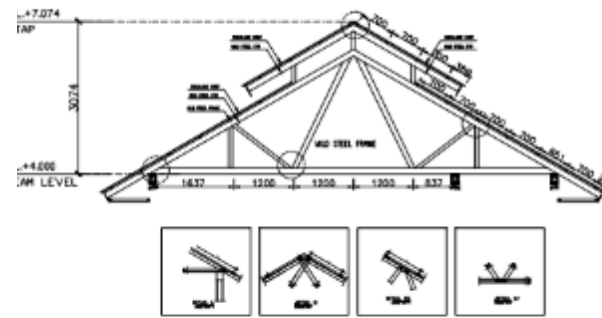
TYPE J3	
MELLORIN	1. SOLID WOOD 50X50
WINDOW FRAME MATERIAL	1. SOLID WOOD 100 CONTINUOUS
WINDOW MATERIAL	1. WOOD FRAME AND CLEAR GLASS 100
WINDOW HANDLE	1.
WIND FLOW/DOOR CLOSER	1. WIND FLOW AND LATCH-BOLT
HINGE	1. HINGES BALL BEARING

ROOF & CEILING DETAILS

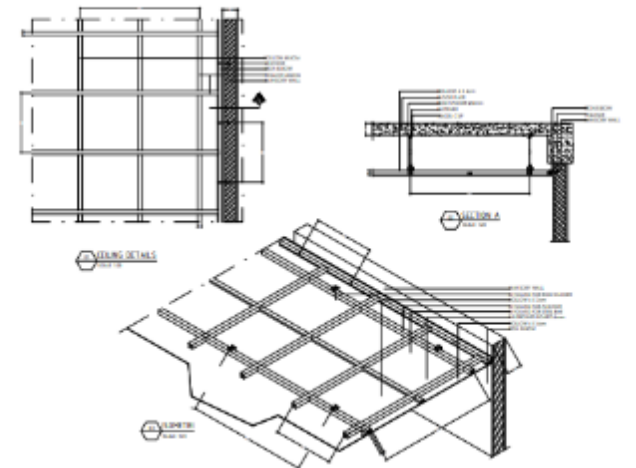
ACCESS TO DISABILITY DETAIL



01 SECTION C-C
SCALE 1:100



01 ROOF DETAILS
SCALE 1:100



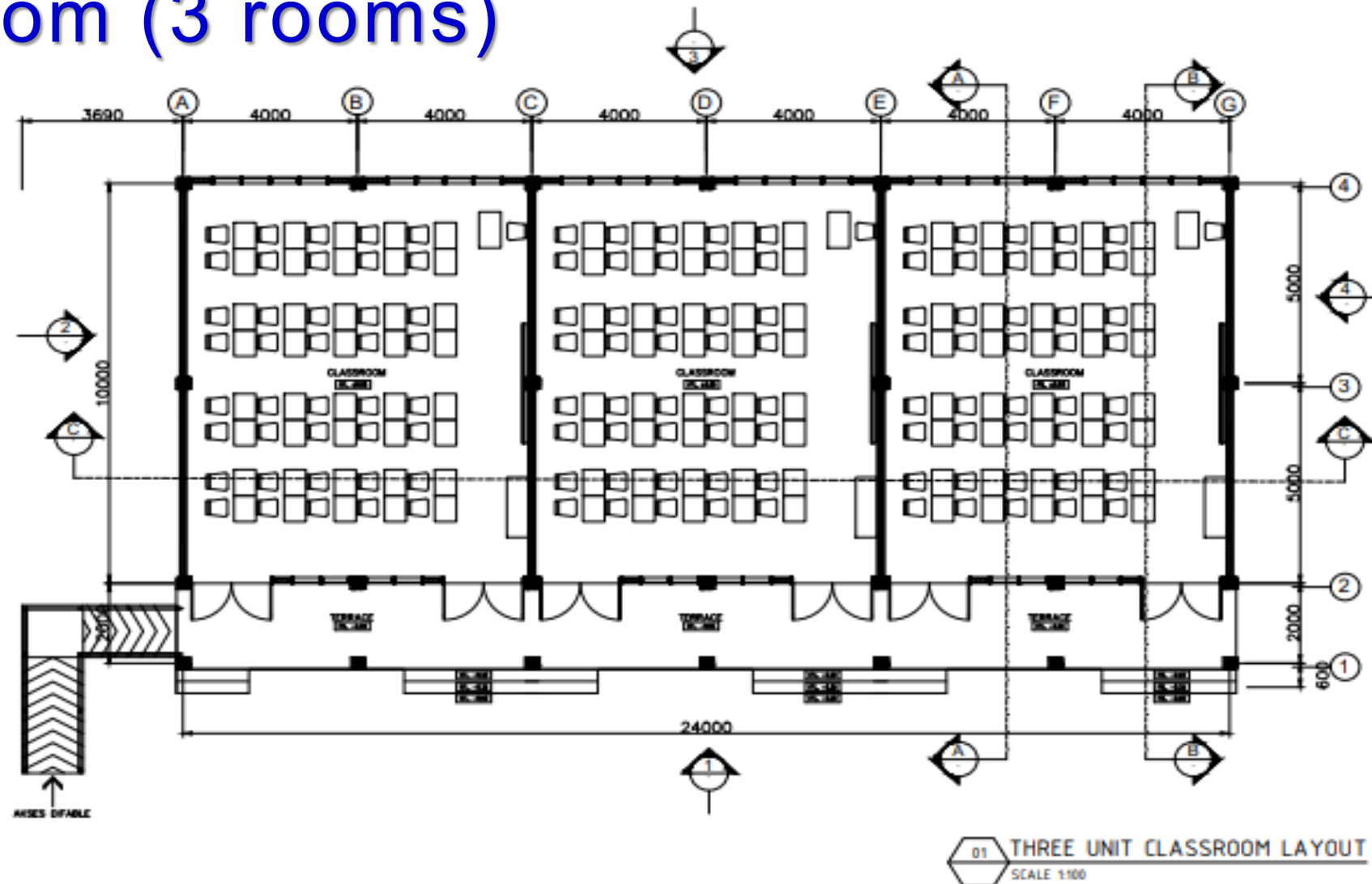
01 ROOF DETAILS
SCALE 1:100

BUILDING TYPICAL PROTOTYPES

- Classrooms (3 rooms)
- Teacher's Office
- Library
- Laboratory
- Toilet (4 and 6 rooms)

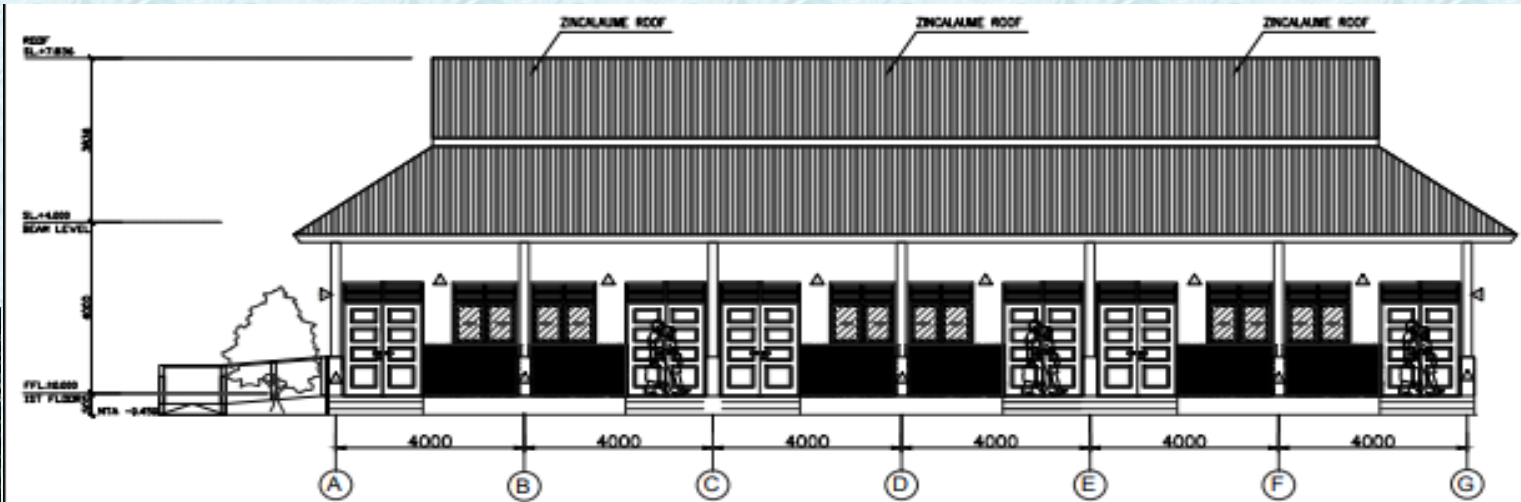
BUILDING TYPICAL PROTOTYPES

- Classroom (3 rooms)

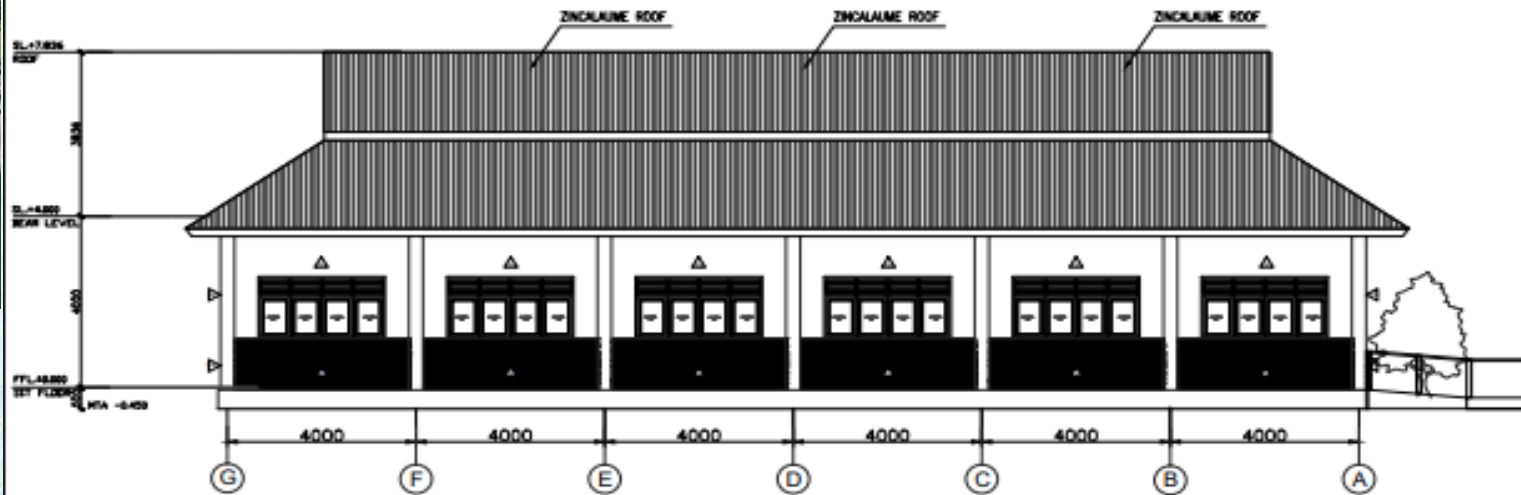


BUILDING TYPICAL PROTOTYPES

Classroom (3 rooms)



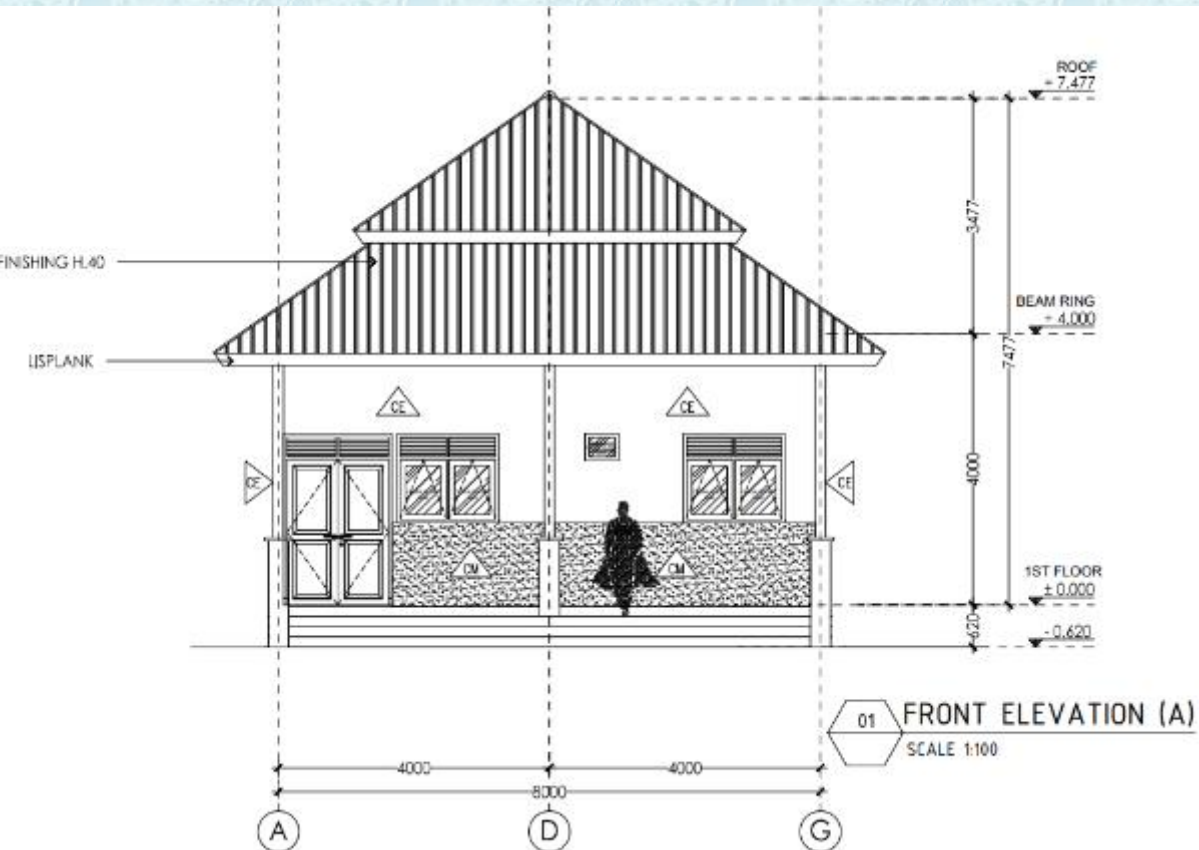
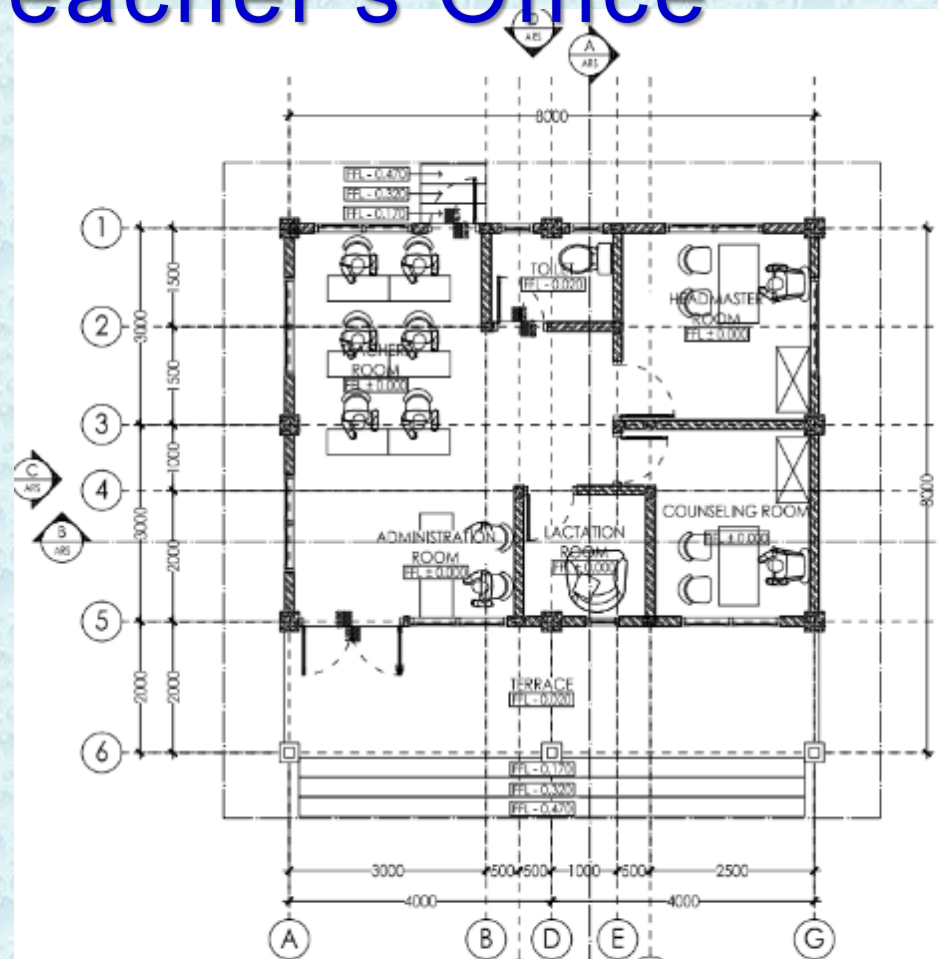
FRONT ELEVATION
SCALE = 1 : 100



BACK ELEVATION
SCALE = 1 : 100

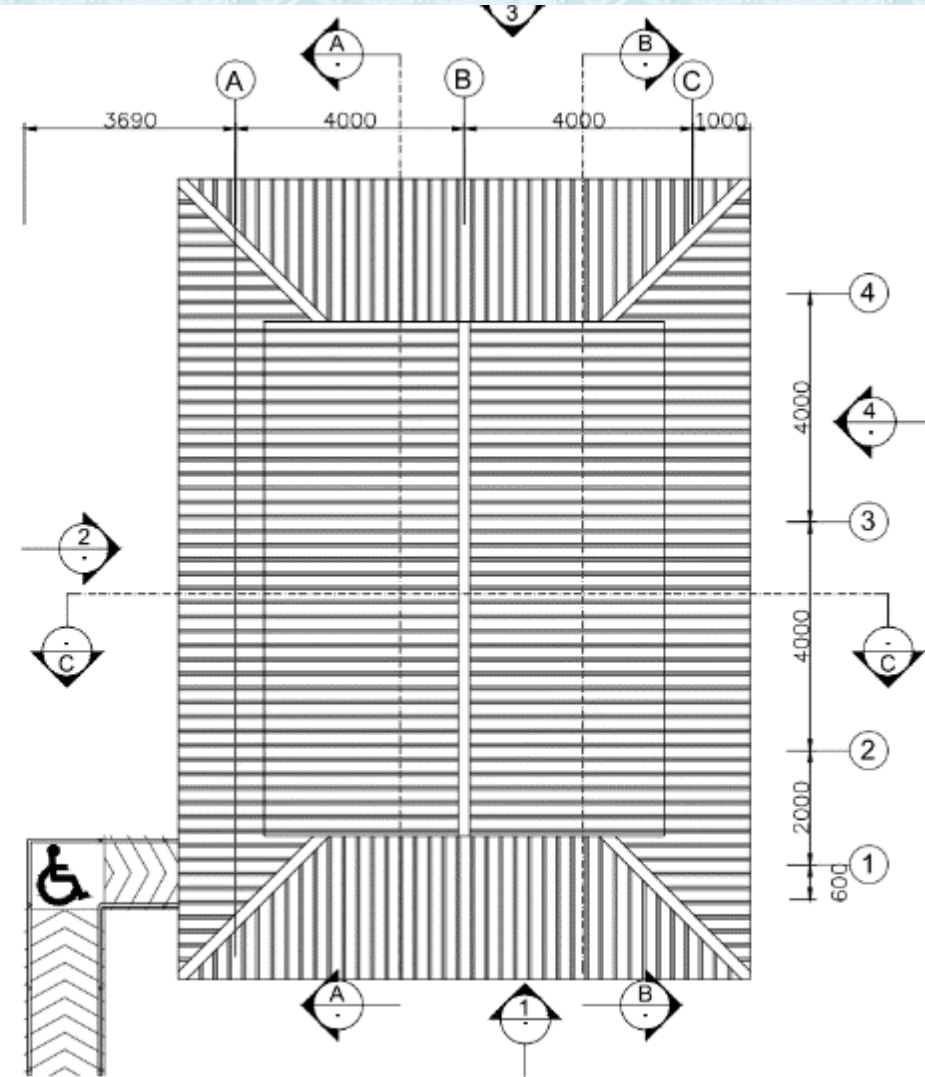
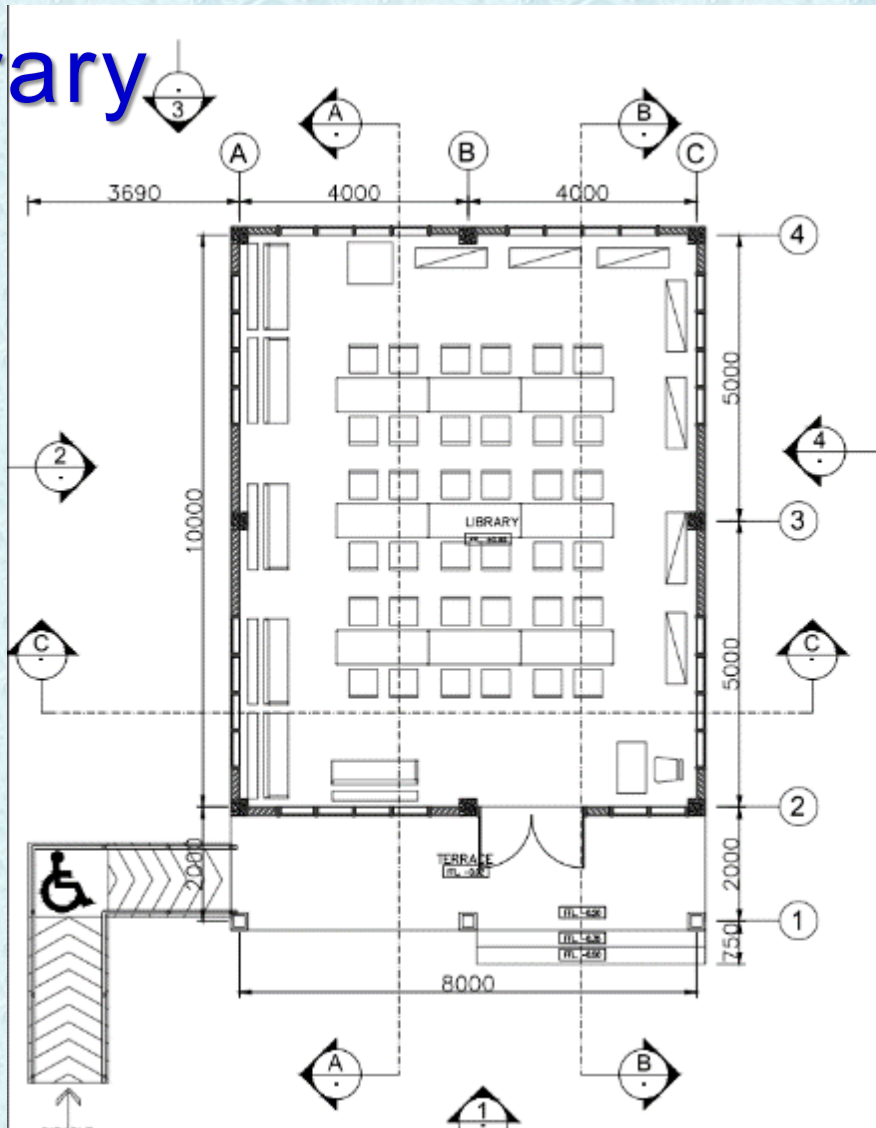
BUILDING TYPICAL PROTOTYPES

- Teacher's Office



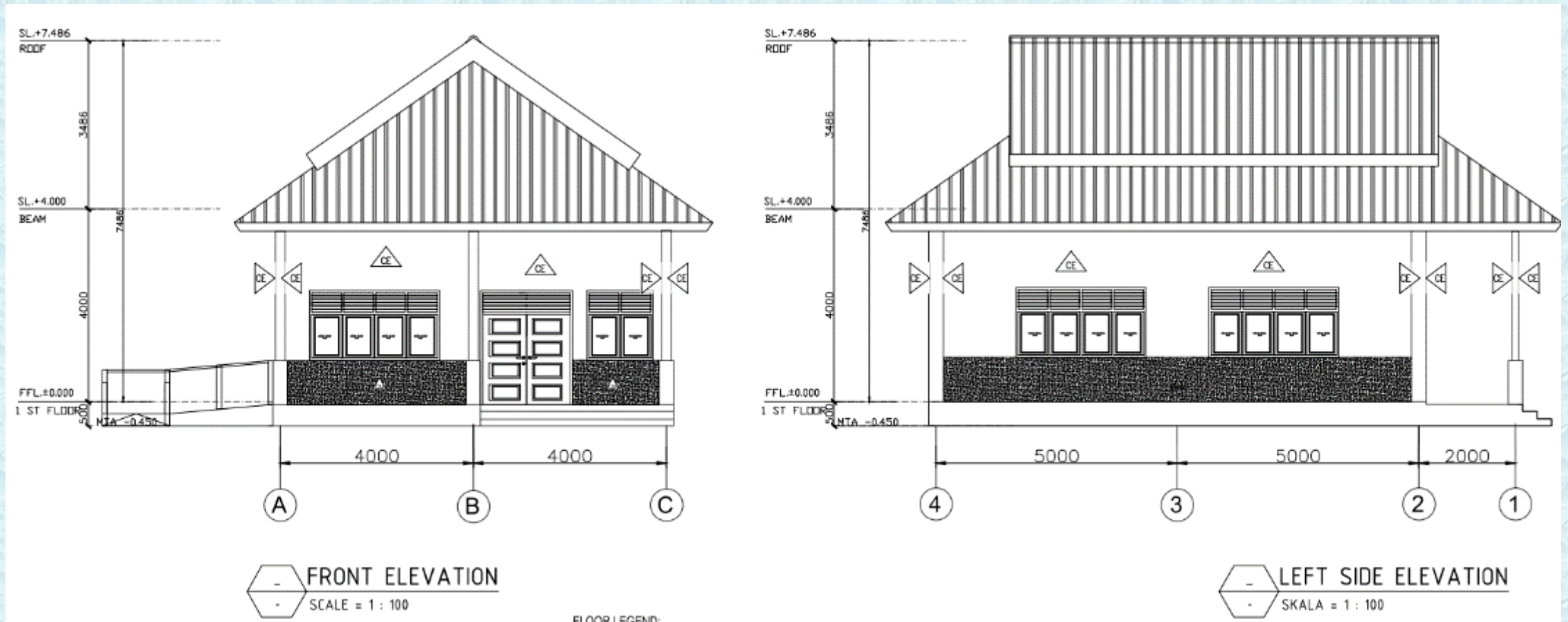
BUILDING TYPICAL PROTOTYPES

- Library



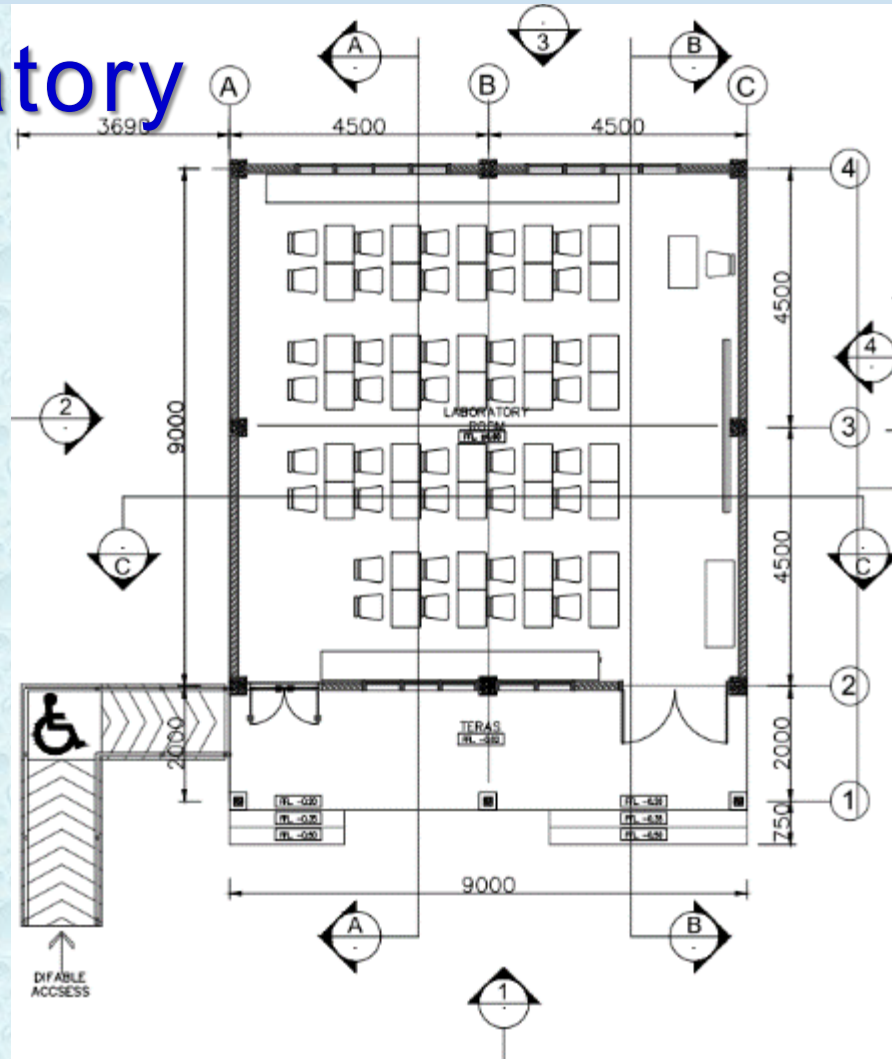
BUILDING TYPICAL PROTOTYPES

- Library

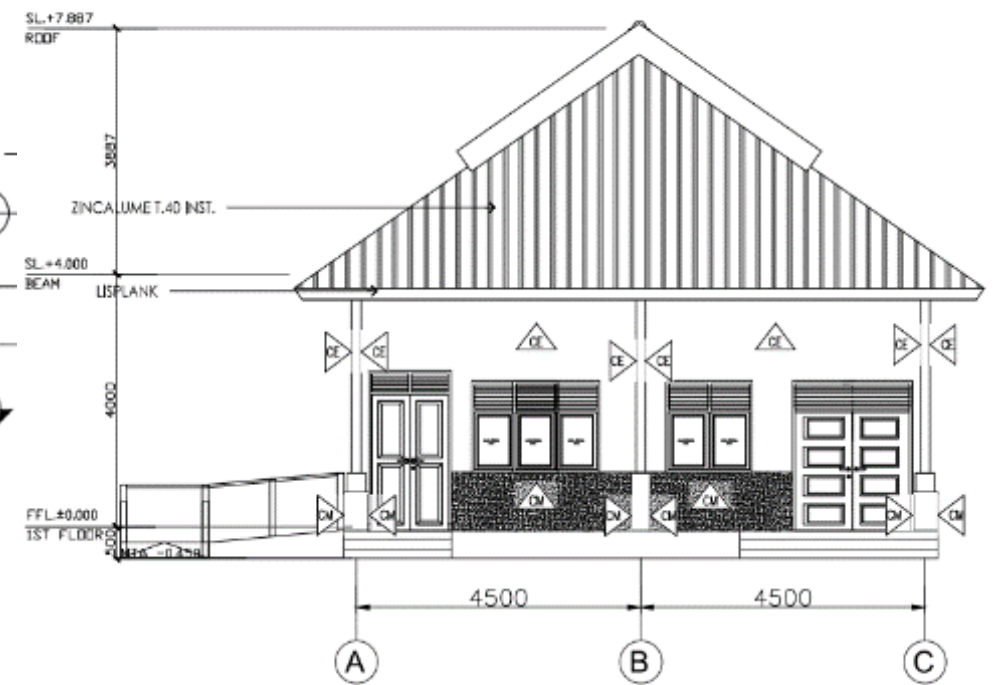


BUILDING TYPICAL PROTOTYPES

- Laboratory



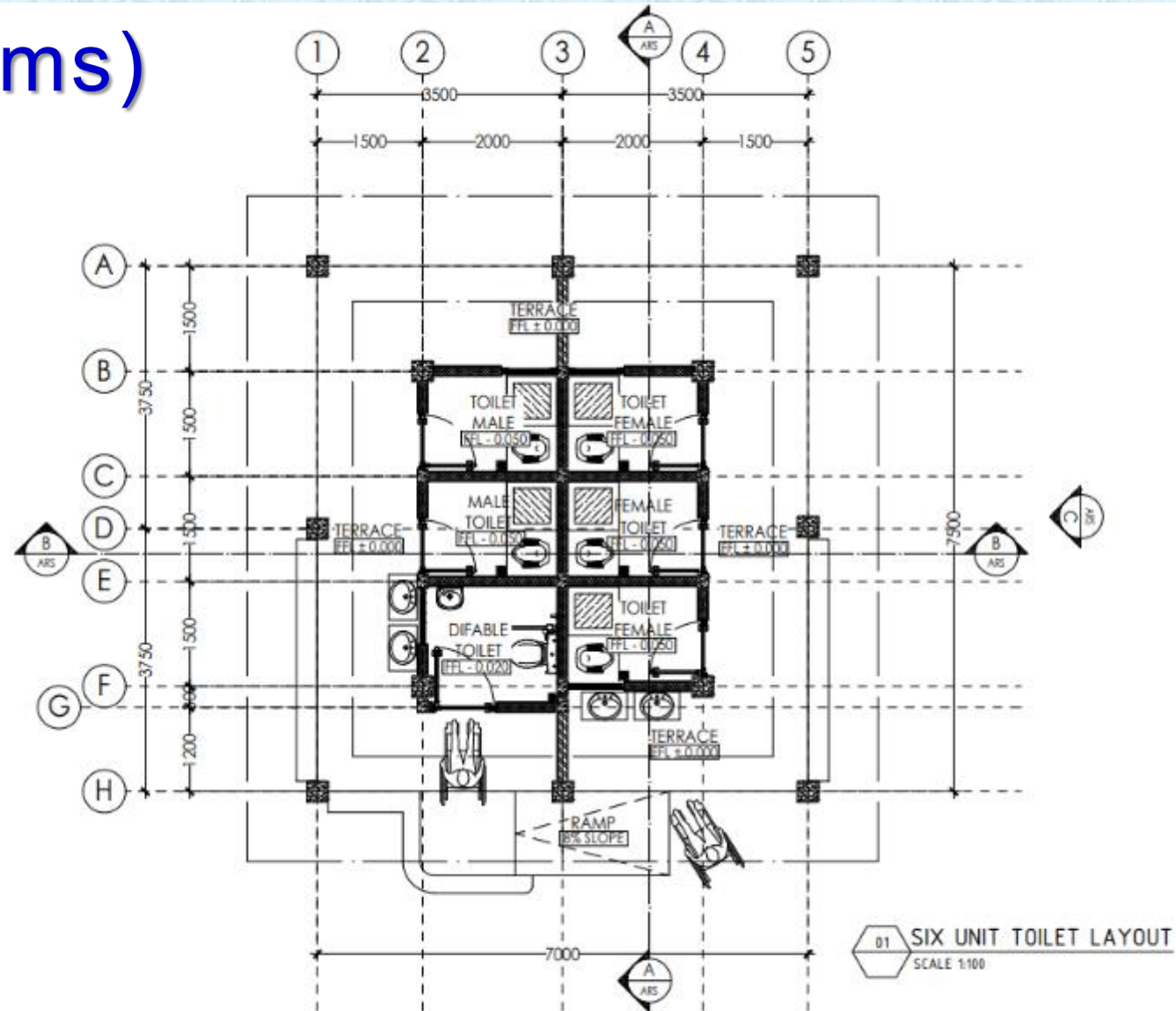
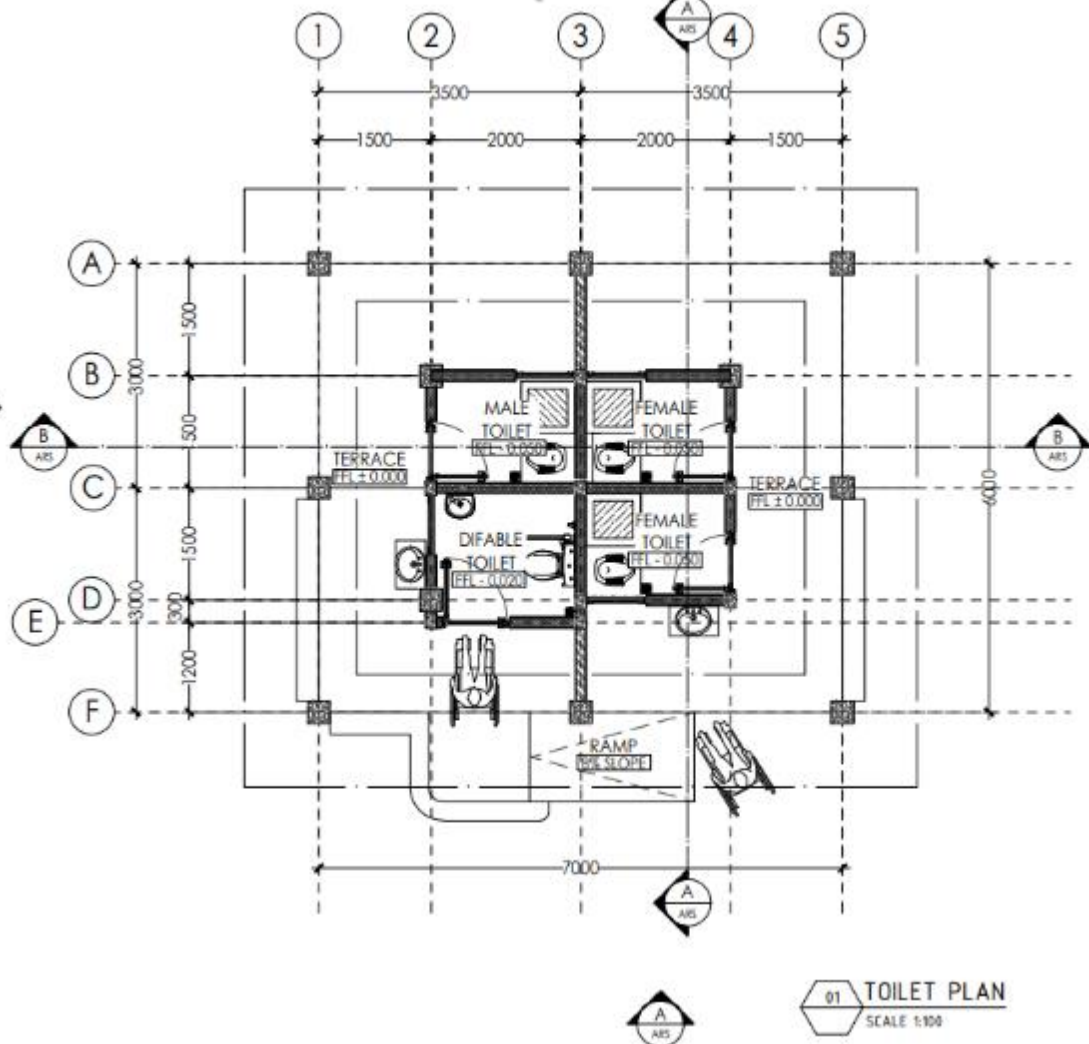
01 LABORATORY ROOM PLAN
SCALE 1:100



01 FRONT ELEVATION
SCALE 1:100

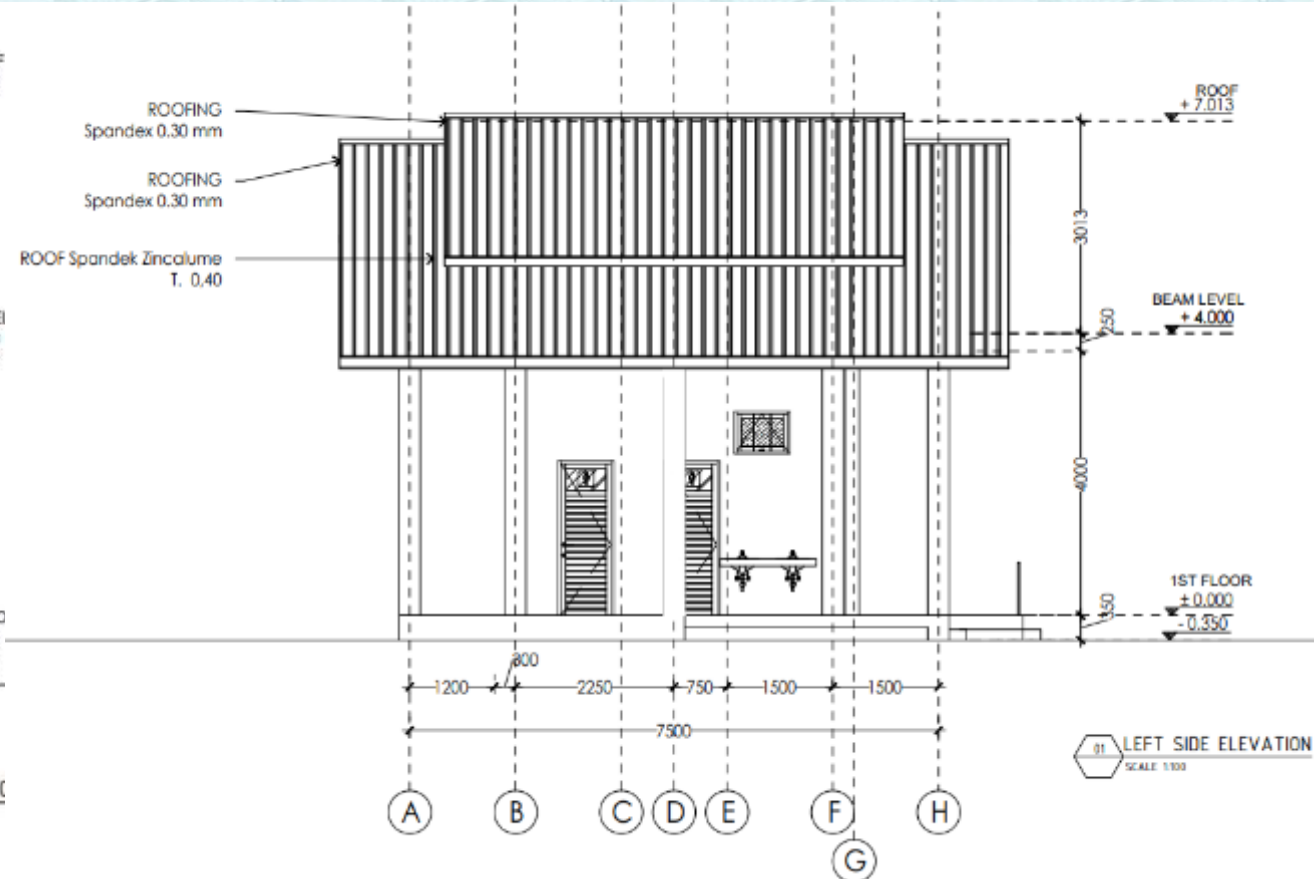
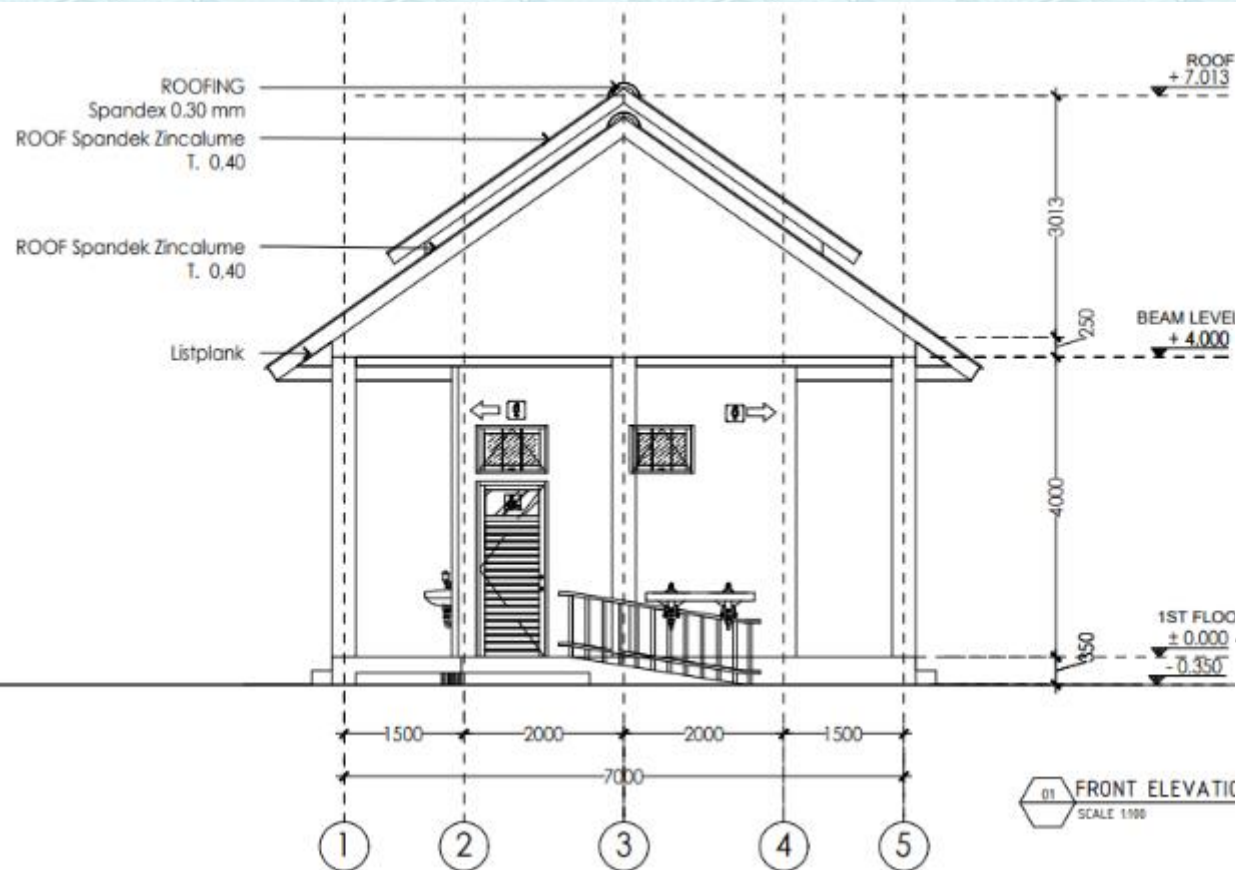
BUILDING TYPICAL PROTOTYPES

- Toilets (4 and 6 Rooms)



BUILDING TYPICAL PROTOTYPES

- Toilets (4 and 6 Rooms)

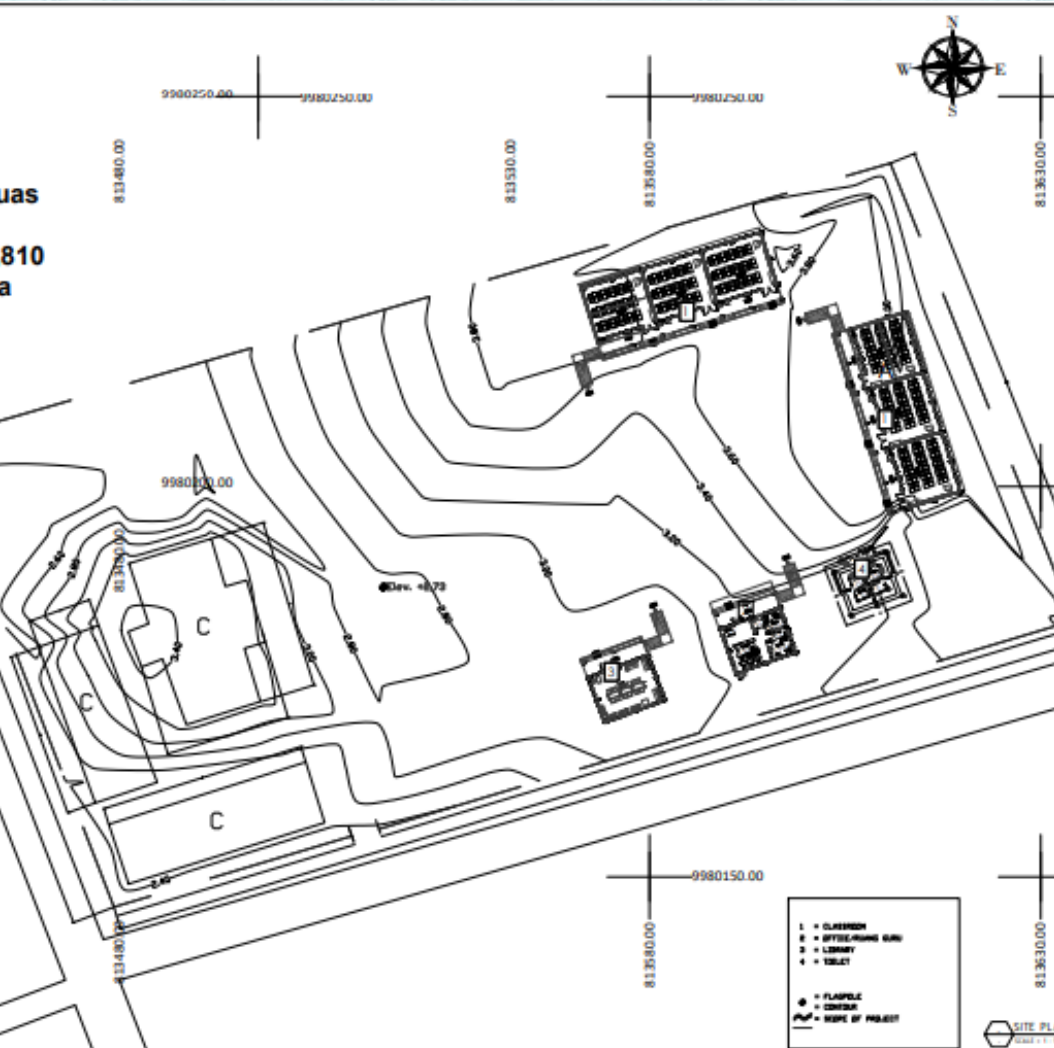


SCOPE OF WORKS

Construction of Health and School Facilities in Donggala

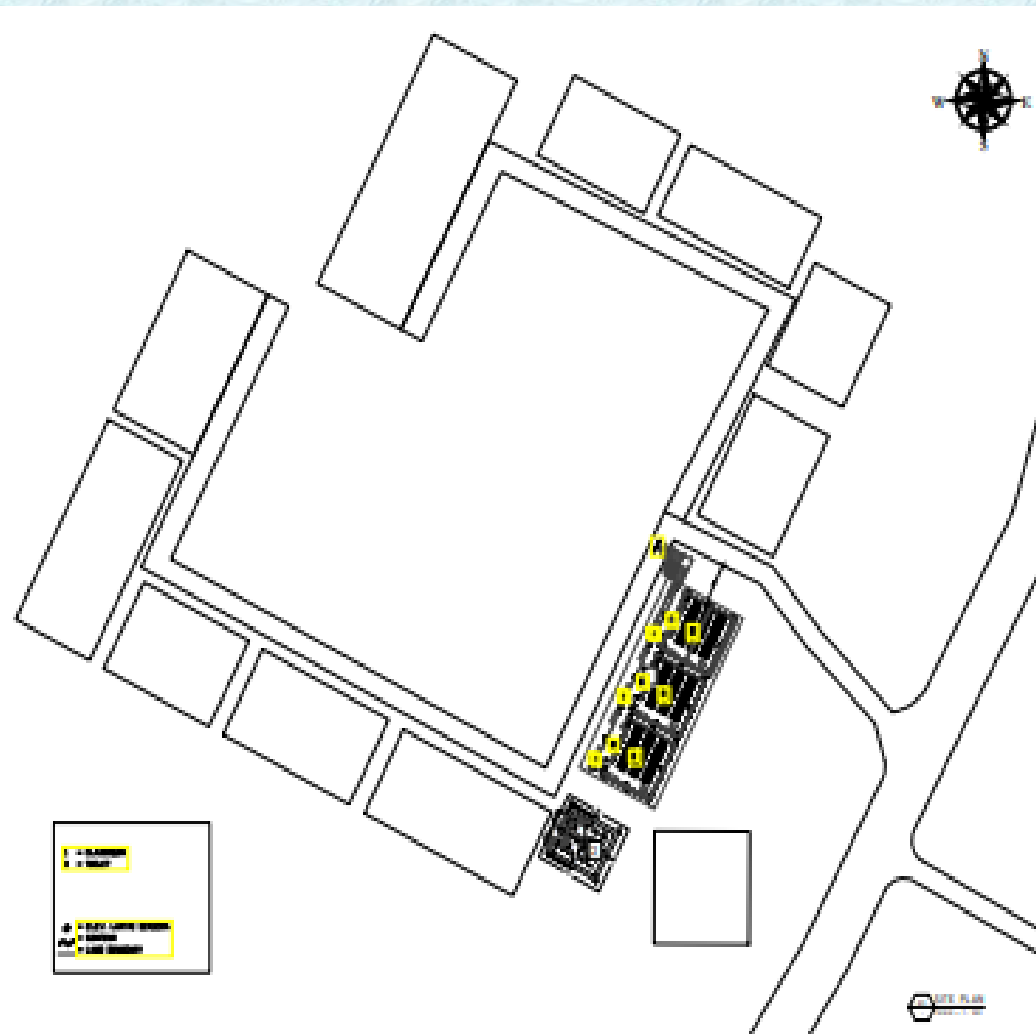
1. SMP Negeri 3 Sirenja
2. SMP Negeri 1 Labuan
3. SMP Negeri Satap 3 Sindue Tobata
4. Puskesmas Malei

SCOPE OF WORKS

[illegible]

LOT-2 : 1. SMP NEGERI 3 SIRENJA

SCOPE OF WORKS



No	Building Name	Area (M2)	Amount	Total Area (M2)
		Room Area		
1	Classroom (9x9 M), 3 Rooms			
	F Class Rooms	81	3	243
	F Class Corridor	36	1	36
	F Class Ramp			
2	Toilet (1 Unit)			
	F Male Student Toilet	3	2	6
	F Female Student Toilet	3	3	9
	F Diffable Student Toilet	4	1	4
	F Toilet Corridor	15	1	15
	F Toilet Ramp			
	F Septictank			
Total				313

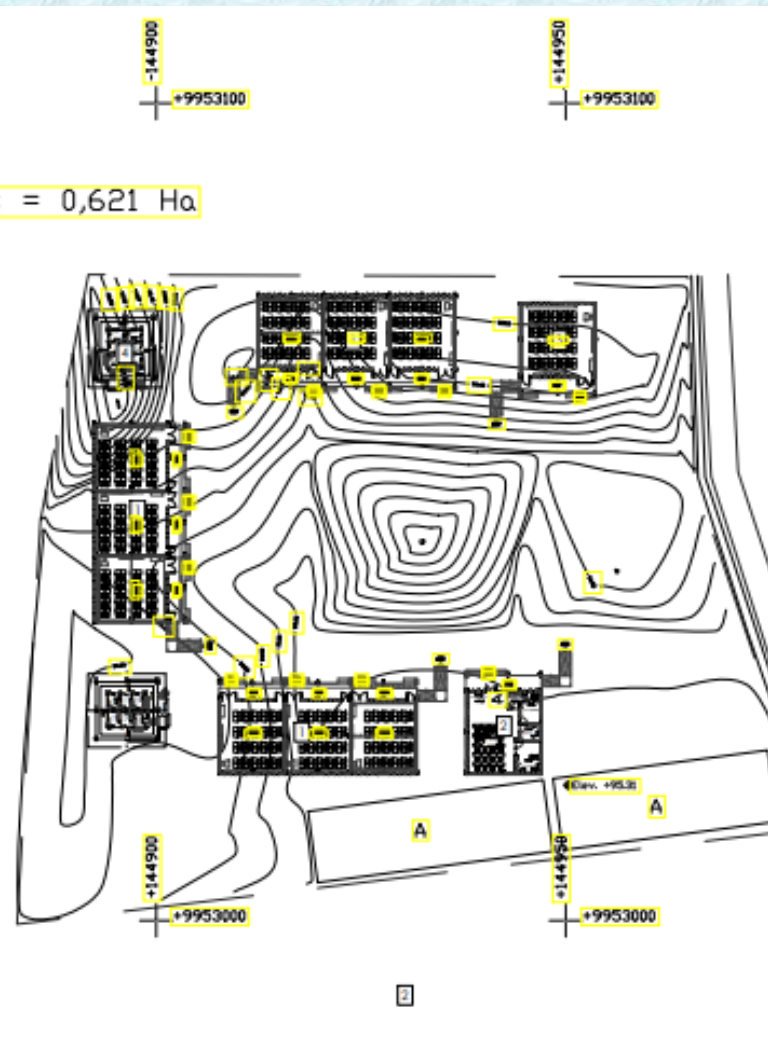
LOT-2 : 2. SMP NEGERI 1 LABUAN

SMP Negeri 1 Labuan

PERSPECTIVE



SCOPE OF WORKS



No	Building Name	Area (M2) Room Area	Amount	Total Area (M2)
1	Classroom (8x9 M), 3 Rooms			
	F Class Room	72	3	216
	F Class Corridor	48	1	48
	F Class Ramp			
2	Classroom (8x9 M), 3 Rooms			
	F Class Room	72	3	216
	F Class Corridor	48	1	48
	F Class Ramp			
3	Classroom (8x9 M), 3 Rooms			
	F Class Room	72	3	216
	F Class Corridor	48	1	48
	F Class Ramp			

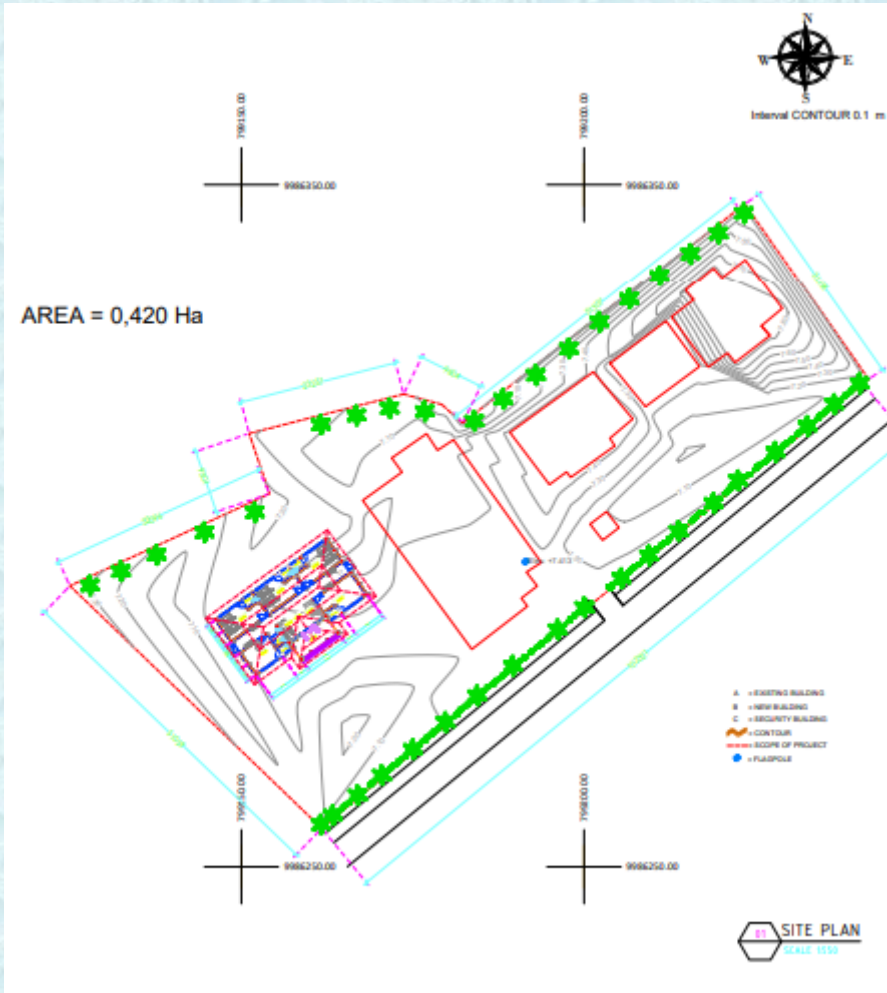
No	Building Name	Area (M2) Room Area	Amount	Total Area (M2)
4	Teacher Office (9x10 M)	90	1	90
	F Head Master Room			
	F Teacher Room			
	F Administration Room			
	F Consultation Room			
	F Lactation Room			
	F Toilet Teacher Room			
	F Teacher office Corridor	16	1	16
5	F Teacher office Ramp			
	Laboratory Room (8x9)			
	F Laboratory Room	81	1	81
	F Laboratory Corridor	18	1	18
6	F Laboratory Ramp			
	Toilet (2 Unit)			
	F Male Student Toilet	3	4	12
	F Female Student Toilet	3	6	18
	F Diffable Student Toilet	4	2	8
	F Toilet Corridor	15	2	30
	F Toilet Ramp			
	F Septictank			
Total				1065

LOT-2 : 3. SMP NEGERI SATAP 3 SINDUE TOBATA

SMP Negeri Satap 3 Sindue Tobata



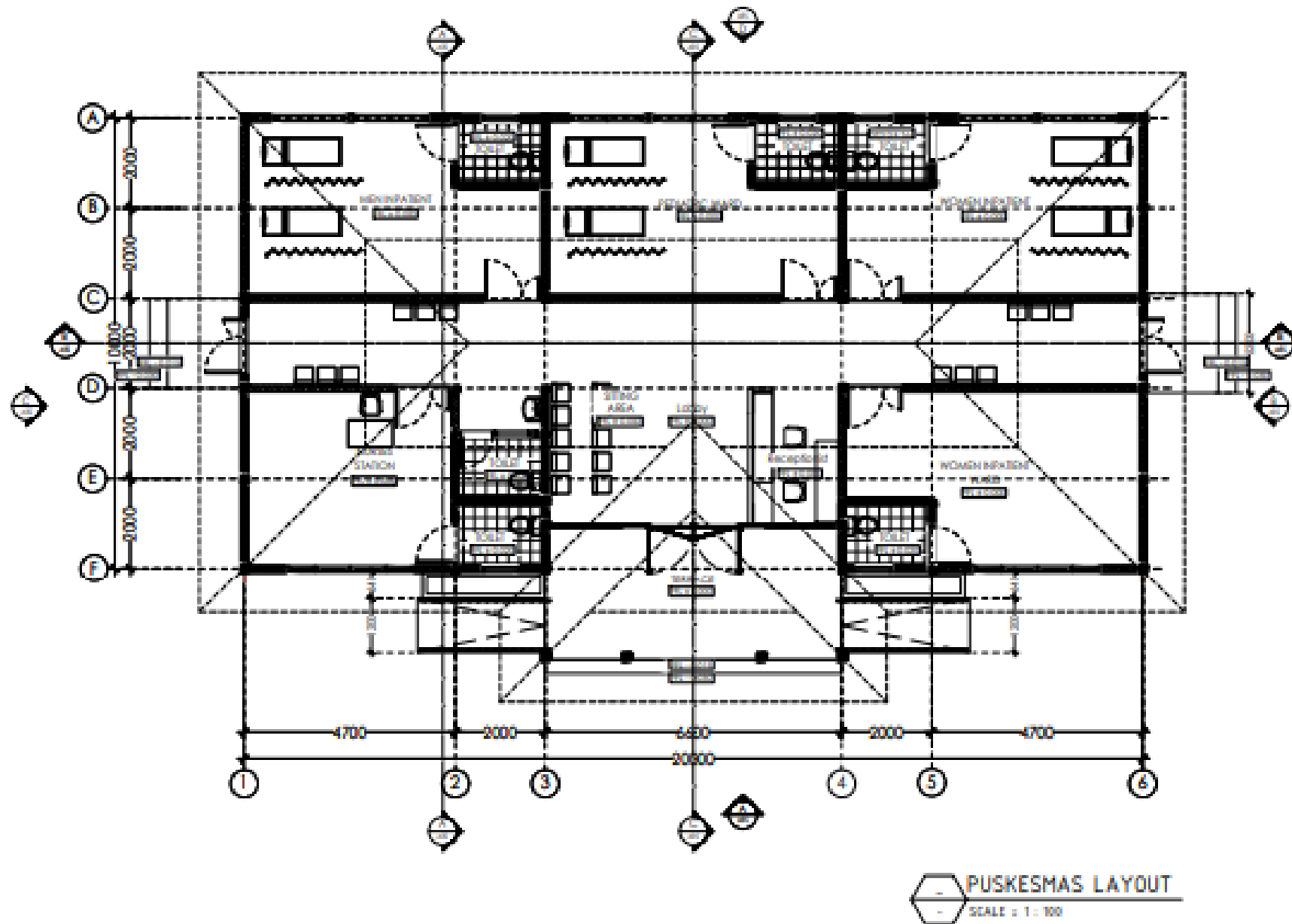
SCOPE OF WORKS



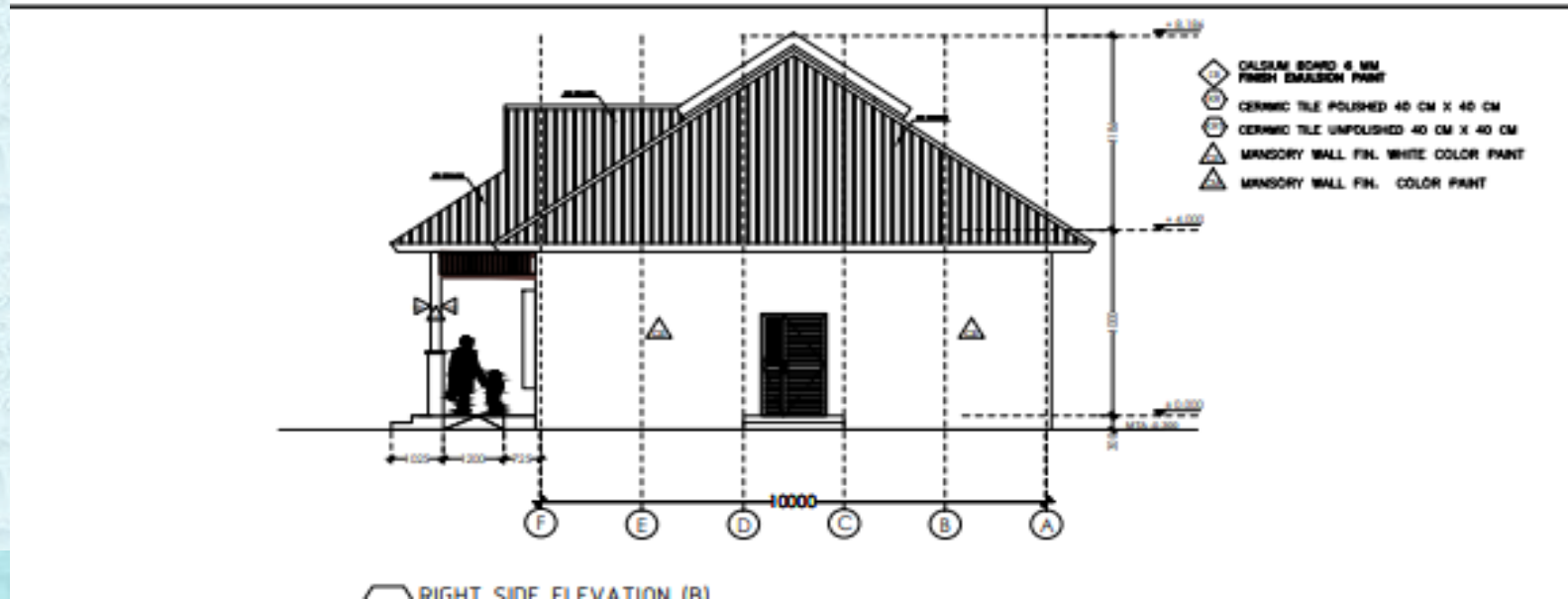
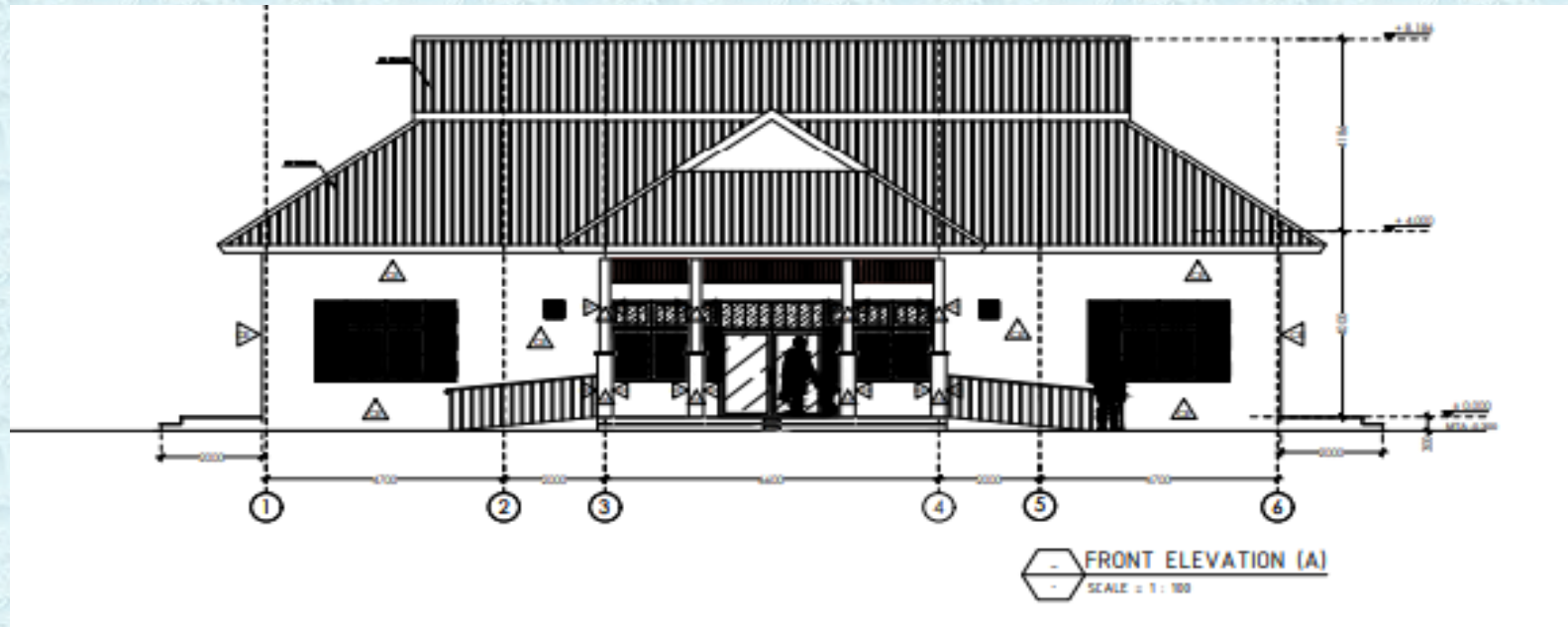
No	Building Name	Area (M2)	Amount	Total Area (M2)
		Room Area		
1	Male Inpatient (6,7x4 M)	23,8	1	23,8
	F Toilet Men Inpatient	3	1	3
2	Nurses Station (6,7x4 M)	20,8	1	20,8
	F Toilet Nurses Station	3	2	6
3	Pediatric Ward (6,6x4 M)	23,4	1	23,4
	F Toilet Pediatric Ward	3	1	3
4	Female Inpatient (6,7x4 M)	23,8	1	23,8
	F Toilet Women Inpatient	3	1	3
5	Female Inpatient Ward (6,7x4 M)	23,8	1	23,8
	F Toilet Women Inpatient Ward	3	1	3
6	Lobby	19,8	1	19,8
	F Sitting Area F Reception			
7	Corridor	40	1	40
8	Terrace	19,8	1	19,8
Total				189,4

LOT-2 : 4. PUSKESMAS MALEI

Puskesmas Malei



Puskesmas Malei



SUMMARY OF SCOPE OF WORKS

NO	SUB PROJECT	FLOOR AREA (m2/Location)	FLOOR AREA (m2/LOT)
1	SMP NEGERI 3 SIRENJA	588	2,156
2	SMP NEGERI 1 LABUAN	313	
3	SMP NEGERI SATAP3 SINDUE TOBATA	1,065	
4	PUSKESMAS MALEI	190	

FLOOR AREA
(m2 per Location)

SPESIFIKASI TEKNIS (Lanjutan)

1. PEMBENTUKAN SATGAS PENCEGAHAN COVID.19

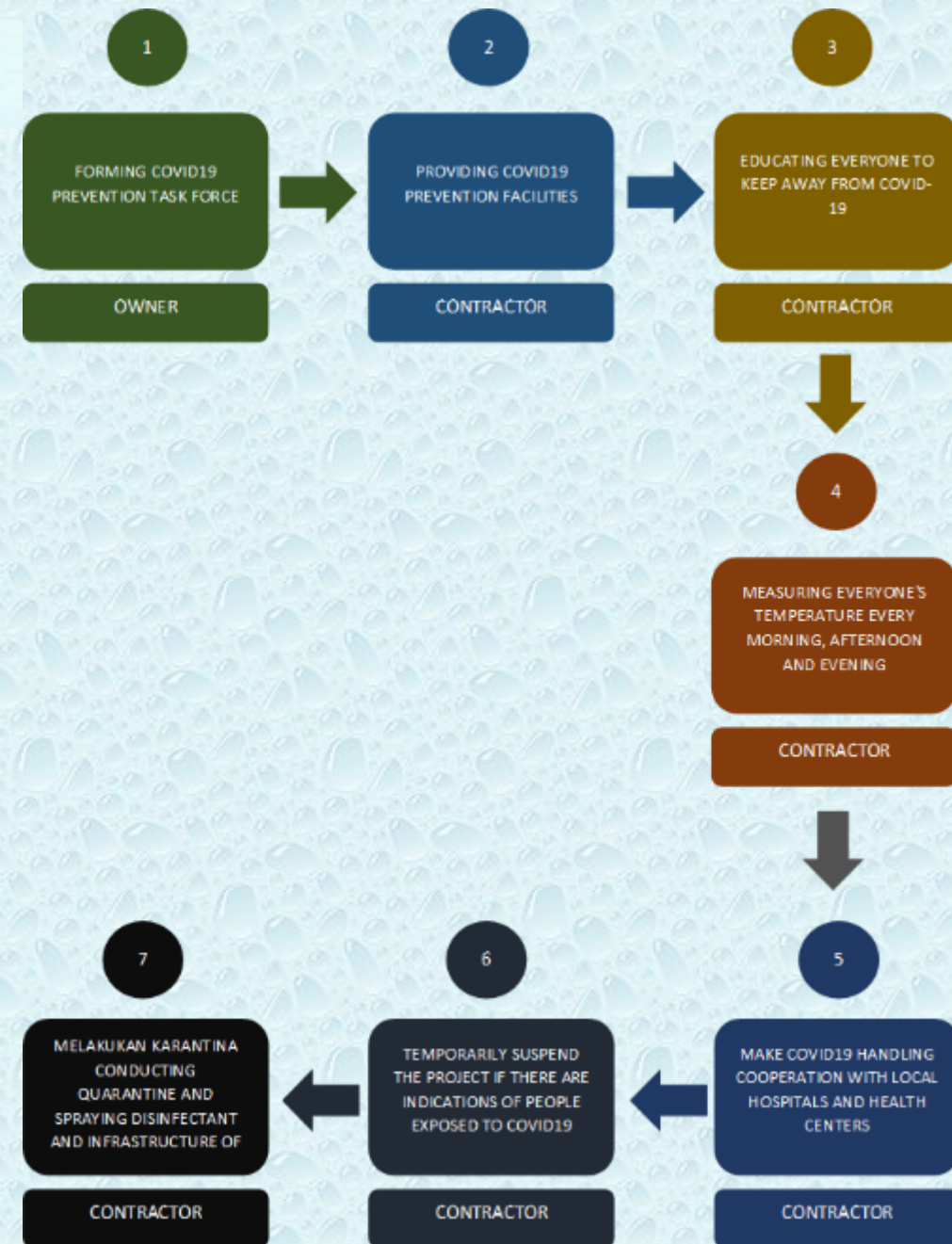
- Pemilik/ Pengguna/ Penyelenggara bersama Konsultan Pengawas dan/atau Konhaktor wajib mernbenfuk Satuan Tugas Pencegahan Covid 19.
- Satuan Tugas tersebut berjurnlah paling sedikit 5 (lima) orang terdiri dari Ketua merangkap anggota dan 4 (empat) Anggota yang mewakili Pemilik/ Pengguna/ Penyebnngtrna, Konsultan, KonFaktor, Subkontraktor, Vendorl Supplier.
- Satuan Tugas tersebut memiliki tugas, tanggung jawab dan kewenangan melakukan: (i) sosialisasi, (ii) edukasi, (iii) promosi teknik dan (iv) metoda pencegahan COVIDl9 serta (v) perneriksaan (examination) potensi terinfeksi kepada semua orang, baik para manager, insinyur, arsitek, karyawan / staf, mandor, pekada dan tamu proyek.

2. PEMBENTUKAN SATGAS PENCEGAHAN COVID 19

- Kontraktor wajib menyediakan ruang klinik di lapangan dilengkapi dengan sarana kesehatan yang memdai, seperti: tabung oksigen, pengukur suhu badan (fhermoscan), pengukur tekanan darah, obat-obatan, dan petugas medis.
- Kontraktor wajib memiliki kedasama operasional perlindungan kesehatan dan pencegahan COVID 19 dengan rumah sakit dan/ atiau pusat kesehatan masyarakat terdekat dengan lapangan proyek untuk tindakan darurat (emergency).
- Kontraktor wajib menyediakan fasilitas pengukur suhu badan (thermoscan), penanci tangan dengan sabun disinbktan (hand sanitizer, tissue, masker di kantor dan lapangan proyek bagi para manager, insinyur, arsitek, karyawan/staf, mandor, pekeria dan tamu proyek.

3. PELAKSANAAN PENCECaAHAN COVIDlg DI I-APANGAN

- Satuan Tugas memasang poster (flyers) baik digital maupun fisik tentang himbauan/ anjuran penegahan COVID 19, seperti mencuci tangan, memakai masker, untuk disebarluaskan atiau dipasang di tempat-tempat sfategis di lapangan proyek.
- Satuan Tugas bersama Petugas Medis harus menyampaikan penjelasan, anjuran, kampanye, promosi teknik pencegahan COVID 19 dalam setiap kegiatan penyuluhan K3 pagi hari (safety moming talk).
- Satuan Tugas nelarang seseorang yang sakit dengan indikasi suhu > 38 derajat Celcius (seluruh manager, insinyur, arsitek, karyawan/ staf, mandor, pekeria dan tamu proyek) datang ke lokasi proyek.
- Petugas luledis melaksanakan pengukuran suhu tubuh kepada seluruh pekeria, dan karyawan bersama para Safuan Pengaman Proyek (Security Sstaff) dan Petugas Keamanan setiap pagi, siang dan sore.
- Apabila ditemukan manager, insinyur, arsitek, karyawan/ staf, mandor dan pekeria di lapangan proyek terpaparvirus covid 19, Petugas Medis dibantu Petugas Keamanan proyek melakukan evakuasi dan penyemprotan dtsinftrktan pada bmpat, fasilitas, pegangan dan peralatan karya.





THANK YOU
