



PMAY-G HOUSE MODEL NO.2



ABSTRACT

Proposed Construction of PMAY-G Rural House Model No.2

Sl.No.	GENERAL SPECIFICATIONS:-		DESCRIPTION	
1.	Safe Bearing Capacity		The Safe Bearing Capacity considered is 150 KN/sq.m,	
2.	Foundation		Isolated / Combined RCC isolated footings.	
3.	Superstructure		RCC Frame Structure with Roof Truss as per design.	
4.	Walls		12.5 cm thick 1 st Class Brick / Mud Blocks / Hollow Block / Stone Block/ AAC Blocks etc.	
5.	Doors		Full panelled 2 nd Class local wooden doors.	
6.	Windows / Ventilators		2 nd Class Timber frame with glass panes / Steel Frames Windows / Ventilators with MS Grills & glass panes.	
7.	Floor/ Room Height		255cms (2.55 metres) plus an additional height of 700mm (0.7 metres) for Roofing.	
8.	Flooring		25mm thick C.C. flooring.	
9.	Roof Truss & Roof Cover		Tubular 2 nd Class/treated Timber Frame Truss as per design with CGI sheet used as roof cover fastened with J-bolts.	
10.	Exterior/Interior Finishing		Exterior/Interior finishings with acrylic washable distemper of approved shade for columns, brick walls, lintels etc. Doors & windows painted with synthetic enamel paint of approved shade.	
PMAY-G House Model		Area (in sq.m)	Amount (in Rs) [As per Local Market Rate]	Amount (in Rs) [As per PWD-Buildings SOR]
Model No.2		31.53	Rs.1,87,830.00	Rs.2,62,550.00

Prepared by :

ASSISTANT ENGINEER (PMAY-G)
DIRECTORATE OF COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.

PMAY-G RURAL HOUSE MODEL NO.2
(Tentative Cost-Estimate as per Local Market Rate)

Sl.No.	Items /Materials	Nos.	Quantity	Unit	Rate	Amount
1	Stone Soling (100mm thick)	-	4.38	cum	₹ 2,390.00	₹ 10,468.20
2	PCC 1:3:6 (50mm thick)	-	2.19	cum		
(i)	Cement		6.31	bags	₹ 420.00	₹ 2,650.20
(ii)	Coarse sand		0.657	cum	₹ 1,200.00	₹ 788.40
(iii)	Stone Aggregates		1.31	cum	₹ 1,300.00	₹ 1,703.00
3	RCC works 1:2:4 (substructure)	-	2.86	cum		
(i)	Cement		11.76	bags	₹ 420.00	₹ 4,939.20
(ii)	Coarse sand		0.81	cum	₹ 1,200.00	₹ 972.00
(iii)	Stone Aggregates		1.63	cum	₹ 1,300.00	₹ 2,119.00
4	RCC works 1:2:4 (superstructure)	-	3.45	cum		
(i)	Cement		14.19	bags	₹ 420.00	₹ 5,959.80
(ii)	Coarse sand		0.98	cum	₹ 1,200.00	₹ 1,176.00
(iii)	Stone Aggregates		1.97	cum	₹ 1,300.00	₹ 2,561.00
5	Reinforcement bars (Rods)					
(i)	#10mm dia	-	1.42	quintal	₹ 5,500.00	₹ 7,810.00
(ii)	#6mm dia	-	1.14	quintal	₹ 5,500.00	₹ 6,270.00
6	Formwork/Planks (25mm)	-	-	L/s	₹ 4,000.00	₹ 4,000.00
7	Stone Masonry (1:6) Boulders	-	2.23	cum	₹ 2,390.00	₹ 5,329.70
(i)	Cement		2.75	bags	₹ 420.00	₹ 1,155.00
(ii)	Coarse sand		1.47	cum	₹ 1,200.00	₹ 1,764.00
8	Brickwork (1:6)	-	63.83	sqm		
(i)	Bricks		2872	nos.	₹ 9.00	₹ 25,848.00
(ii)	Cement		7.00	bags	₹ 420.00	₹ 2,940.00
(iii)	Coarse sand		1.47	cum	₹ 1,200.00	₹ 1,764.00
9	25mm Topping for Flooring (1:2:4)	-	0.862	cum		
(i)	Cement		3.54	bags	₹ 420.00	₹ 1,486.80
(ii)	Coarse sand		0.246	cum	₹ 1,200.00	₹ 295.20
(iii)	Stone Aggregates		0.492	cum	₹ 1,300.00	₹ 639.60

10	10mm Thick Plaster (1:6)	-	1.353	cum		
(i)	Cement		5.56	bags	₹ 420.00	₹ 2,335.20
(ii)	Hill sand		1.16	cum	₹ 800.00	₹ 928.00
11	Distempering/Painting	1	8	litres	₹ 160.00	₹ 1,280.00
12	Woodwork in doors/windows (chowkhat)	1	0.15	cum	₹ 15,000.00	₹ 2,250.00
13	Doors & window panels					
(i)	Door & Window Panels	-	-	L/s	₹ 10,000.00	₹ 10,000.00
14	Woodworks in Roofings	-	0.51	cum	₹ 15,000.00	₹ 7,650.00
15	CGI Sheet Roof					
(i)	Roofs	-	45.70	sqm	₹ 328.00	₹ 14,989.60
(ii)	Ridging	-	16.24	Rm	₹ 170.00	₹ 2,760.80
16	Miscellaneous items	-	-	L/s	₹ 5,000.00	₹ 5,000.00
Material Component (A) Total =						₹ 1,39,832.70
17	Labour Cost	Assuming the work to be completed within 30 working days.				
(i)	Unskilled	1	30	Mandays	₹ 300.00	₹ 9,000.00
(ii)	Semi-Skilled	2	30	Mandays	₹ 400.00	₹ 24,000.00
(iii)	Skilled	1	30	Mandays	₹ 500.00	₹ 15,000.00
Labour Component (B) Total =						₹ 48,000.00

Grand Total (A+B) = ₹ 1,87,832.70

Say = ₹ 1,87,830.00

(Rupees One Lakh Eighty Seven Thousand Eight Hundred And Thirty Only)

Notes: 1) The above rates are tentative and subjected to vary from one place to another depending upon the local market rate.
2) Transportation & carriage charges may also differ depending upon the distance and topography of the site.
3) Detailed Measurements of the drawings/plans are to be followed as per the dimensions/measurements mentioned in the PWD SOR detailed estimate.

PREPARED BY:

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MEGHALAYA, SHILLONG.

Detailed Estimate for Construction of PMAY-G Rural House Model No.2										
Rate as per Govt. of Meghalaya P.W.D (Building Works) Schedule of Rates 2015-16 (Khasi Hills Region Rate)										
Sl.No / Item.no	Description of items	No			L	B	H	Quantity	Area Content	
1/1.1	Earthwork in excavation in foundation trenches including dressing of sides and ramming of bottom including stacking of serviceable stones and removal of excavated earth which lead upto 50m complete.....									
a)	In ordinary soil									
	Footing	8	1	1	0.65	0.65	0.65	2.20		
		1	1	1	0.50	0.50	0.50	0.13		
	Plinth wall (X-axis)	3	1	1	2.40	0.30	0.30	0.65		
		2	1	1	2.60	0.30	0.30	0.47		
	Y-axis	3	1	1	2.40	0.30	0.30	0.65		
		2	1	1	2.10	0.30	0.30	0.38		
		Total =							4.48	
						@	Rs. 179.00	Per Cum	Rs. 801.92	
2/4.1	Providing brick soling in foundation and under floor with stone/best quality picked jhama brick,sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering,complete..									
(c)	Stone soling of thickness 100mm									
	Footing	8	1	1	0.60	0.60	-	2.88		
		1	1	1	0.50	0.50	-	0.25		
	Plinth wall (X-axis)	3	1	1	2.40	0.30	-	2.16		
		2	1	1	2.60	0.30	-	1.56		
	Y-axis	3	1	1	2.40	0.30	-	2.16		
		2	1	1	2.10	0.30	-	1.26		
	Flooring	1	1	1	6.37	3.17	-	20.19		
		1	1	1	3.17	2.70	-	8.56		
	Verandah	1	1	1	3.22	1.50	-	4.83		
		Total =							43.85	
						@	Rs. 378.00	Per Sqm	Rs. 16,575.30	
3/2.2	Plain cement concrete floor base in prop 1:3:6 laid in alternate bays as specified with coarse aggregates of size 13mm to 32mm including dewatering if necessary,and curing etc complete.									
(b)	50 mm thick In prop 1:3:6									
	Footing	8	1	1	0.60	0.60	-	2.88		
		1	1	1	0.50	0.50	-	0.25		
	Plinth wall (X-axis)	3	1	1	2.40	0.30	-	2.16		
		2	1	1	2.60	0.30	-	1.56		
	Y-axis	3	1	1	2.40	0.30	-	2.16		
		2	1	1	2.10	0.30	-	1.26		
	Flooring	1	1	1	6.37	3.17	-	20.19		
		1	1	1	3.17	2.70	-	8.56		
	Verandah	1	1	1	3.22	1.50	-	4.83		
		Total =							43.85	
						@	Rs. 354.00	Per Sqm	Rs. 15,523.57	

Sl.No / Item.no	Description of items	No	L	B	H	Quantity	Area Content
4/2.5	Providing and laying concrete in reinforced cement concrete works using concrete mixture machine with coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding formwork and reinforcement for reinforced cement concrete work(form work and reinforcement will be measured and paid seperately)						
4/2.5.1	in foundation and sub-structure including footing,columns with base,tie and plinth beam,pile cap,raft slab,base slab,rcc walls,retaining walls,walls of septic tank,inspection pit and the likes and other works not less than 100mm thick up to plinth level.(witout using admixture,plasticiser)						
(a)	M15 or Prop. 1:2:4 (for non-structural works)						
Footing	8	1	1	0.60	0.60	0.30	0.86
	8	1	1	$\frac{(0.6 \times 0.6)+(0.60 \times 0.60)}{2}$		0.20	0.58
	1	1	1	0.50	0.50	0.30	0.08
	1	1	1	$\frac{(0.5 \times 0.5)+(0.60 \times 0.60)}{2}$		0.20	0.06
Column from top of footing upto PL	8	1	1	0.18	0.18	0.90	0.22
	1	1	1	0.13	0.13	0.80	0.01
Plinth Beam	3	1	1	3.00	0.18	0.20	0.32
	2	1	1	3.20	0.18	0.20	0.22
	3	1	1	3.00	0.18	0.20	0.32
	2	1	1	2.70	0.18	0.20	0.19
						Total =	2.86
				@	Rs. 7,514.00	Per Cum	Rs. 21,467.50
5/2.5.3	in columns,pillars,posts,struts,suspended floor,roof,landing,shelf and support,balcony,lintel,sill band,beam,girder,bressumer,cantiliver,staircase etc.above plinth level upto 1st floor level(without using admixture,plasticiser)						
(a)	M15 or prop 1:2:4						
Column from top of PL upto top of 1st floor lvl	8	1	1	0.18	0.18	2.55	0.62
	1	1	1	0.13	0.13	2.20	0.03
Sill & Lintel	3	1	1	2.82	0.15	0.10	0.85
	2	1	1	3.00	0.15	0.10	0.60
	3	1	1	2.82	0.15	0.10	0.85
	2	1	1	2.52	0.15	0.10	0.50
						Total =	3.45
				@	Rs. 7,692.00	Per Cum	Rs. 26,537.40
6/2.8	Supplying,fitting and fixing in position reinforcement bars upto 1st floor level, conforming to relevent i.s code for rcc work/R.B walling including straightening, cleaning, cutting and bending to to proper shapes and length as per details,supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports,chairs,spacers etc.complete.(rates inclusive of all wastage, lappage, hooks, chairs, anchorage etc.and no measurements for the same is required)						
(b)	Other ISI approved TMT reinforcement bar (of SAI/ BISCON/ XTECH/ THERMAX make or equivalent)						
Footing jalli (#6mm)	8	4	2	0.60	-	0.22	8.45
Column from footing upto PL (#10mm)	8	4	1	0.90	-	0.61	17.57
Stirrups (#6mm)	8	7	1	0.64	-	0.22	7.88
Verandah Col (#6mm)	1	4	1	0.80	-	0.22	0.70
Stirrups (#6mm)	1	6	1	0.24	-	0.22	0.32

Sl.No / Item.no	Description of items	No			L	B	H	Quantity	Area Content
7/2.10	Plinth beam (#10mm)	3	4	1	3.00	-	0.61	21.96	
	Stirrups (#6mm)	3	20	1	0.86	-	0.22	11.35	
	(#10mm)	2	4	1	3.20	-	0.61	15.62	
	Stirrups (#6mm)	2	21	1	0.86	-	0.22	7.95	
	(#10mm)	3	4	1	3.00	-	0.61	21.96	
	Stirrups (#6mm)	3	20	1	0.86	-	0.22	11.35	
	(#10mm)	2	4	1	2.70	-	0.61	13.18	
	Stirrups (#6mm)	2	18	1	0.86	-	0.22	6.81	
	Column from top of PL upto top of 1st floor (#10mm)	8	4	1	2.55	-	0.61	49.78	
	Stirrups (#6mm)	8	20	1	0.64	-	0.22	22.53	
	Verandah Column (#6mm)	1	4	1	2.20	-	0.22	1.94	
	Stirrups (#6mm)	1	18	1	0.24	-	0.22	0.95	
	Lintel (#6mm)	3	4	1	2.82	-	0.22	7.44	
	Stirrups (#6mm)	3	19	1	0.24	-	0.22	3.01	
	Lintel (#6mm)	2	4	1	3.00	-	0.22	5.28	
	Stirrups (#6mm)	2	20	1	0.24	-	0.22	2.11	
	Lintel (#6mm)	3	4	1	2.82	-	0.22	7.44	
	Stirrups (#6mm)	3	19	1	0.24	-	0.22	3.01	
	Lintel (#6mm)	2	4	1	2.52	-	0.22	4.44	
	Stirrups (#6mm)	2	17	1	0.24	-	0.22	1.80	
	Total =							254.83	
	Say =							2.55	
	@ Rs. 8,438.00							Per Qtl	Rs. 21,502.56
2.10 (a)	Providing formwork of ordinary timber planking of thickness not less than 25mm and removal of the same for concrete members so as to give a rough finish including centering,shuttering,strutting and propping etc..for height of propping and centering of supporting floor to the soffit of the concrete member not exceeding 4.0m as specified for the following items:								
2.10 (a)	Foundation,footings,bases of columns,pile cap,raft and mass concrete works etc.								
	Footing	8	2	2	0.65	-	0.18	3.64	
		1	2	2	0.50	-	0.13	0.25	
		Total =							3.89
		@ Rs. 339.00							Per Sqm Rs. 1,318.71
2.10 (b)	Plinth Beam	3	2	1	3.00	-	0.20	3.60	
		2	2	1	3.20	-	0.20	2.56	
		3	2	1	3.00	-	0.20	3.60	
		2	2	1	2.70	-	0.20	2.16	
		Total =							11.92
		@ Rs. 421.00							Per Sqm Rs. 5,018.32
2.10 (c) (ii)	Column from top of footing upto top of PL	8	2	2	0.18	-	0.90	5.04	
		1	2	2	0.13	-	0.80	0.40	
	Column from top of PL upto top of 1st floor	8	2	2	0.18	-	2.55	14.28	
		1	2	2	0.13	-	2.20	1.10	
		Total =							20.82
		@ Rs. 568.00							Per Sqm Rs. 11,825.76

Sl.No / Item.no	Description of items	No	L	B	H	Quantity	Area Content
8/4.11.	Stone masonry work in retaining wall,wing wall,abutment,foundation,steps,plinth etc....						
(a)	Random Rubble Masonry						
(ii)	In Super-structure above Plinth Level						
	Plinth wall (X-axis)	3	1	1	2.40	0.30	0.25
		2	1	1	2.60	0.30	0.25
		1	1	1	3.20	0.30	0.25
	Y-axis	3	1	1	2.40	0.30	0.25
		2	1	1	2.10	0.30	0.25
		1	1	1	1.50	0.30	0.25
	Stairs	1	1	1	2.00	0.30	0.15
							0.09
						Total =	2.23
					@	Rs. 4,189.00	Per cum
							Rs. 9,341.47
9/4.6	Providing Brick wall in cement mortar 1:6 etc.....						
(a)	Half Brick (~112 mm) thick 1st class brick nogged wall						
(iv)	In proportion 1:6 (1 cement : 6 sand)						
	Wall	3	1	1	2.82	-	2.55
		2	1	1	3.00	-	2.55
		3	1	1	2.82	-	2.55
		2	1	1	2.52	-	2.55
		2	1	1	3.00	-	0.30
	Deduct door & windows						
	D1	1	1	1	0.90	-	2.00
	D2	2	1	1	0.80	-	2.00
	W1	5	1	1	0.80	-	1.00
	V1	2	1	1	0.45	-	0.30
							-0.27
						Total =	63.83
					@	Rs. 825.00	Per sqm
							Rs. 52,658.10
10/3.2	25mm thick cement concrete topping 1:2:4 (1 cement: 2 coarse sand: 4 coarse aggregate of 12 mm nominal size) etc...						
	Flooring	1	1	1	6.37	3.17	-
		1	1	1	3.17	2.70	-
	Verandah	1	1	1	3.22	1.50	-
	Stairs	1	1	1	2.00	0.15	-
		1	1	1	2.00	0.30	-
							0.60
						Total =	34.48
					@	Rs. 322.00	Per Sqm
							Rs. 11,102.56
11/5.1	10mm thick cement plaster etc...						
(d)	In cement mortar 1:6						
	Walls (both sides)	2	1	1	63.83	-	-
	Columns	8	2	0.2	2.55	-	-
		1	2	0.1	2.20	-	-
							0.55
						Total =	135.35
					@	Rs. 171.00	Per Sqm
							Rs. 23,144.85

Sl.No / Item.no	Description of items	No	L	B	H	Quantity	Area Content
12/15.23	Distempereing two coats with oil bound distemper of approved brand.....						
	Quantity same as Item no. 11/5.1					-	135.35
						Total =	135.35
						@ Rs. 80.00	Per Sqm Rs. 10,828.00
13/8.2	Providing wood work in frame (chowkats) of doors, windows, clerestory windows etc...						
(d)	White pine						
	D1	1	1	1	4.90	0.10	0.05
	D2	2	1	1	4.80	0.10	0.05
	W1	5	1	1	3.60	0.08	0.05
	V1	2	1	1	1.50	0.08	0.05
						Total =	0.15
						@ Rs. 56,175.00	Per cum Rs. 8,426.25
14/8.18	Providing, fitting and fixing full panelled doors/windows etc...						
(d)	With White Pinewood						
(iii)	30mm thick						
	D1	1	1	1	0.90	2.00	-
	D2	2	1	1	0.80	2.00	-
	W1	5	1	1	0.80	1.00	-
	V1	2	1	1	0.45	0.30	-
						Total =	9.27
						@ Rs. 2,981.00	Per Sqm Rs. 27,633.87
15/15.63	Painting two coats (excluding priming coat) on new wood and wood based						
(a)	Surfaces over 100mm in width or girth.						
(ii)	High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).						
	D1	1	1	2	0.90	-	2.00
	D2	2	1	2	0.80	-	2.00
	W1	5	1	2	0.80	-	1.00
	V1	2	1	2	0.45	-	0.30
						Total =	18.54
						@ Rs. 145.00	Per Sqm Rs. 2,688.30
16/8.3	Providing undressed woodwork in roof truss, rafter, purlin, tie and the like including hoisting etc...						
(d)	With White pinewood/2nd class treated timber						
	Main Roof Purlins	6	1	1	6.47	0.05	0.05
		6	1	1	3.97	0.05	0.05
	Joists/Battens	3	1	1	3.13	0.05	0.08
		4	1	1	3.13	0.05	0.08
	Rafters	4	2	1	2.00	0.05	0.08
		6	2	1	2.00	0.05	0.08
		2	2	1	2.90	0.05	0.08
	Struts	3	2	1	0.75	0.04	0.04
		4	2	1	0.75	0.04	0.04
	Hangars	3	1	1	0.70	0.05	0.05
		5	1	1	0.70	0.05	0.05

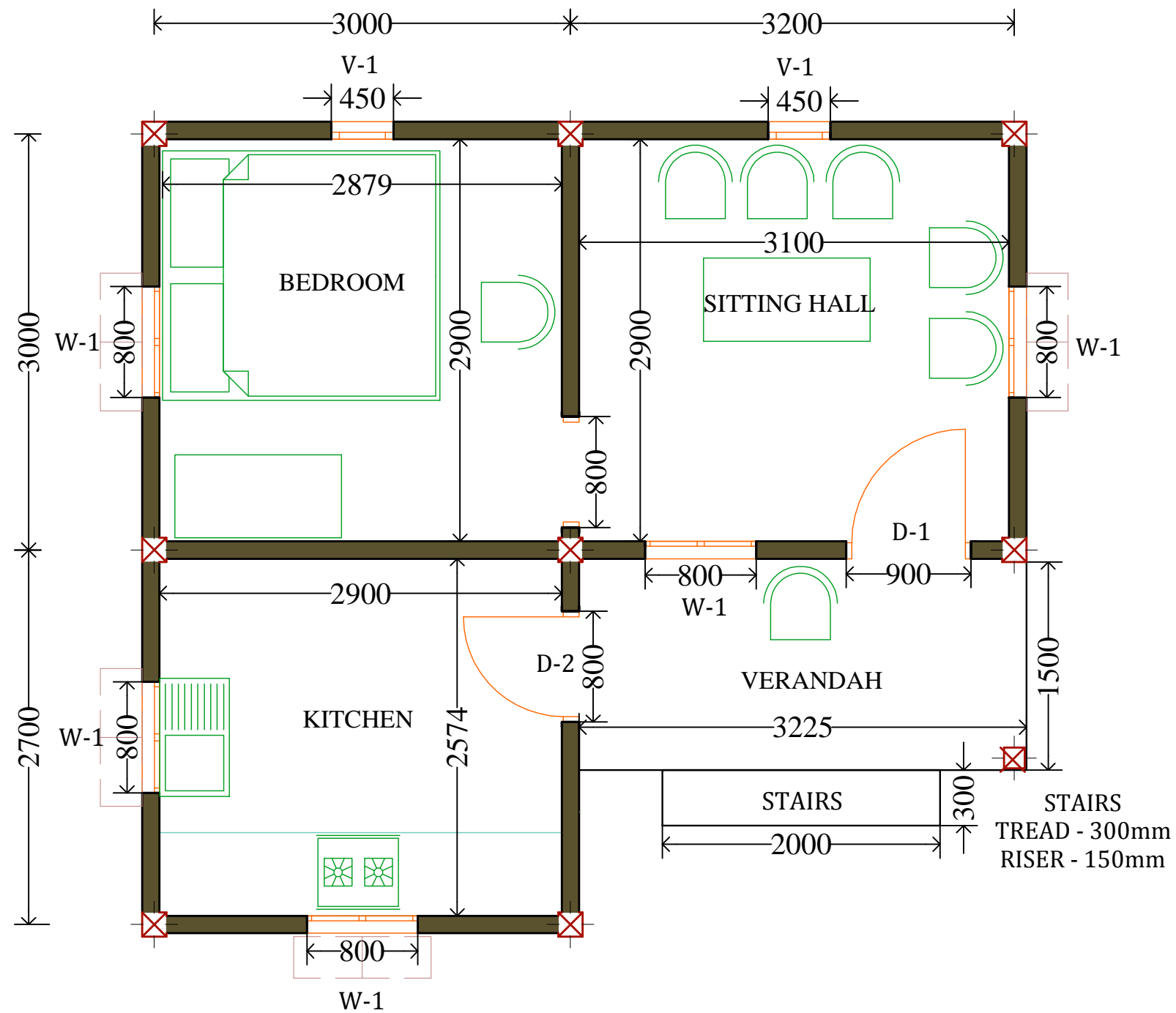
Sl.No / Item.no	Description of items	No			L	B	H	Quantity	Area Content
17/7.3	Purlins (Verandah)	3	1	1	3.52	0.04	0.05	0.02	
		4	1	1	1.80	0.04	0.05	0.01	
								Total =	0.51
								@ Rs. 42,263.00	Per cum Rs. 21,554.13
	Providing corrugated galvanised iron sheet etc....								
	(a) 0.45mm Thick								
	Main Roof	1	1	1	6.47	3.77	-	24.39	
		1	1	1	3.97	3.77	-	14.97	
	Verandah	1	1	1	3.52	1.80	-	6.34	
								Total =	45.70
								@ Rs. 817.00	Per Sqm Rs. 37,336.90
18/7.4	Providing galvd iron ridging etc....								
	(a) 0.45mm Thick								
	Ridging	1	1	1	6.47	-	-	6.47	
		1	1	1	3.97	-	-	3.97	
		2	1	1	2.90	-	-	5.80	
								Total =	16.24
								@ Rs. 336.00	R.m Rs. 5,456.64
								Total =	Rs. 3,30,742.11
	(A) Deduct 15% Contractor's Profit & 14.5% VAT (15% + 14.5% = 29.5%) =								Rs. 2,33,173.19
	Considering breakup of 70% material components & 30% labour wages on (A)								
	(B) Therefore, cost of 70% material component of (A) =								Rs. 1,63,221.23
	(C) and, cost of 30% labour wages component of (A) =								Rs. 69,951.96
	(D) Adding 18% GST on (B) only =								Rs. 29,379.82
	(E) Grand Total (B+C+D) =								Rs. 2,62,553.01
	Say =								Rs. 2,62,550.00

(Rupees Two Lakhs Sixty Two Thousand Five Hundred And Fifty Only)

PREPARED BY:

ASSISTANT ENGINEER (PMAY-G)
DIRECTORATE OF COMMUNITY & RURAL DEVELOPMENT
MEGHALAYA, SHILLONG.

DETAILED DRAWINGS
OF
PMAY-G RURAL HOUSE MODEL NO.2
(APPLICABLE IN ALL DISTRICTS OF MEGHALAYA)



SCHEDULE OF ALL OPENINGS		
All Dimensions are in mm		
SCHEDULE OF DOORS		
DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100
SCHEDULE OF WINDOWS		
WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-
SCHEDULE OF VENTILATORS		
VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-

DRAWN BY:

ASSISTANT ENGINEER (PMAY-G)
DIRECTORATE OF COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.

GENERAL NOTES:

1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED.
2. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED.
3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.2 -
THE MAWPHLANG DEMO HOUSE MODEL
(APPLICABLE IN ALL DISTRICTS OF MEGHALAYA)

DRAWING NO.1

CONTENTS :

FLOOR PLAN

PLINTH AREA:

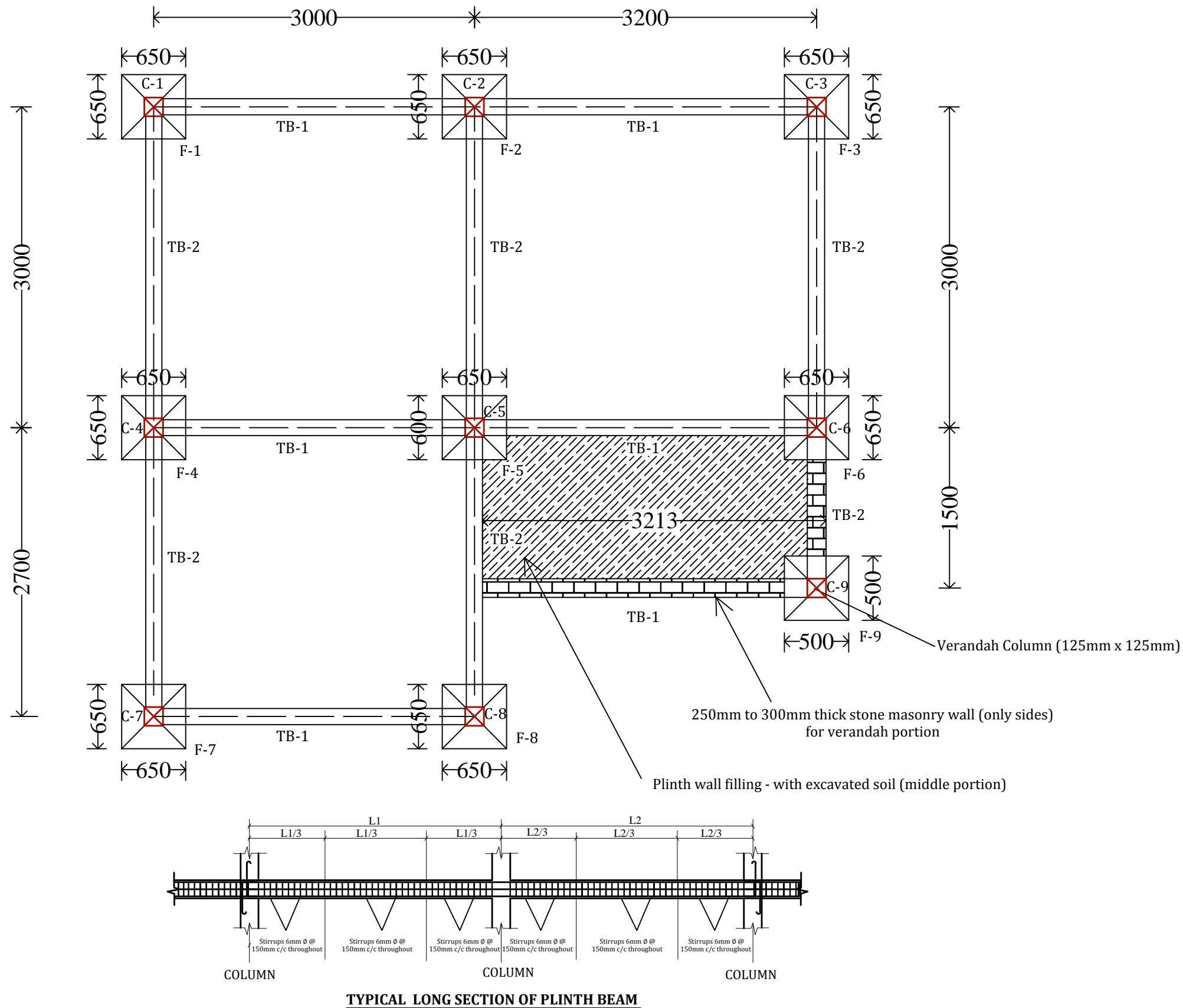
CARPET AREA - 26.7 sq.m
VERANDAH - 4.83 sq.m

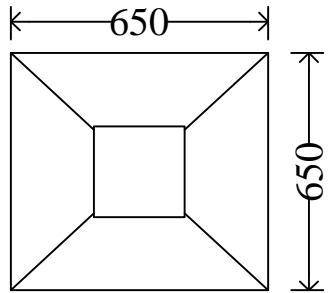
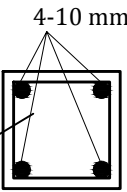
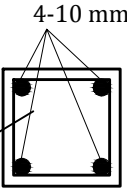
TOTAL - 31.53 sq.m (339 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.



SCHEDULED OF FOOTINGS
F-1 to F-8
 <p>Size - 650mm x 650mm</p>
SCHEDULED OF COLUMNS
C-1 to C-8
 <p>Stirrups 6mm ϕ @ 150mm c/c throughout.</p> <p>Size - 175mm x 175mm</p>
SCHEDULED OF TIE BEAMS
TB1 & TB2
 <p>Stirrups 6mm ϕ @ 150mm c/c throughout.</p> <p>Size - 175mm x 200mm</p>

GENERAL NOTES:

1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED.
2. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED.
3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.2 -
THE MAWPHLANG DEMO HOUSE MODEL
(APPLICABLE IN ALL DISTRICTS OF MEGHALAYA)

DRAWING NO.2

CONTENTS :

FOOTING LAYOUT PLAN WITH
TIE BEAM & COLUMN DETAILS

PLINTH AREA:

CARPET AREA - 26.7 sq.m
VERANDAH - 4.83 sq.m

TOTAL - 31.53 sq.m (339 sq.ft.)

DESIGNED BY:

Dc&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.

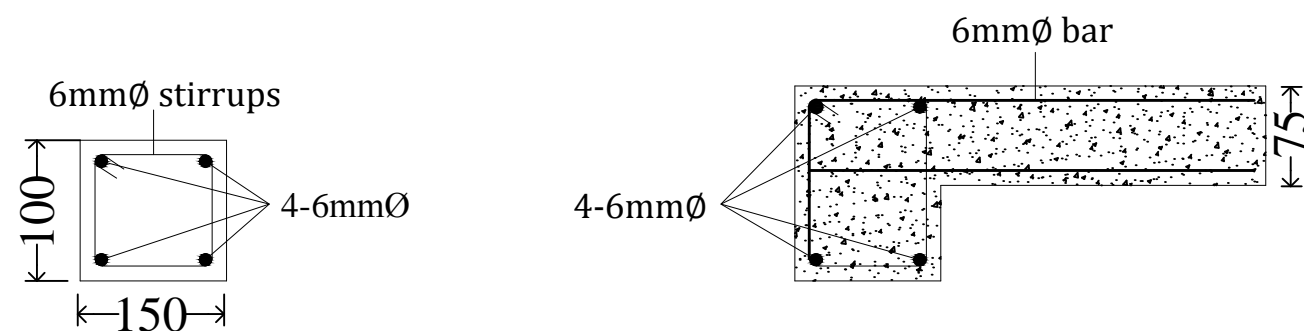
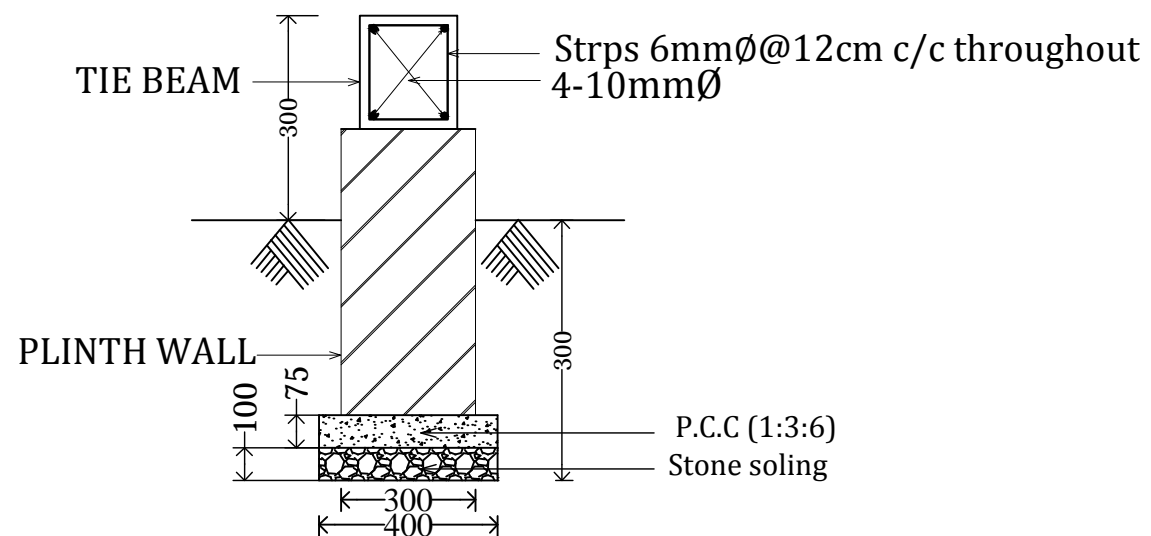
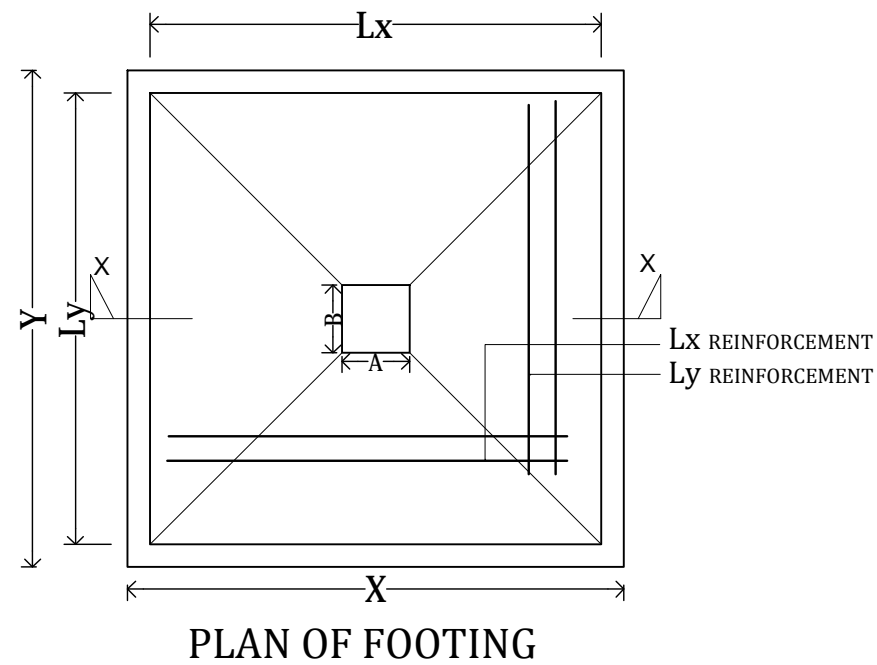
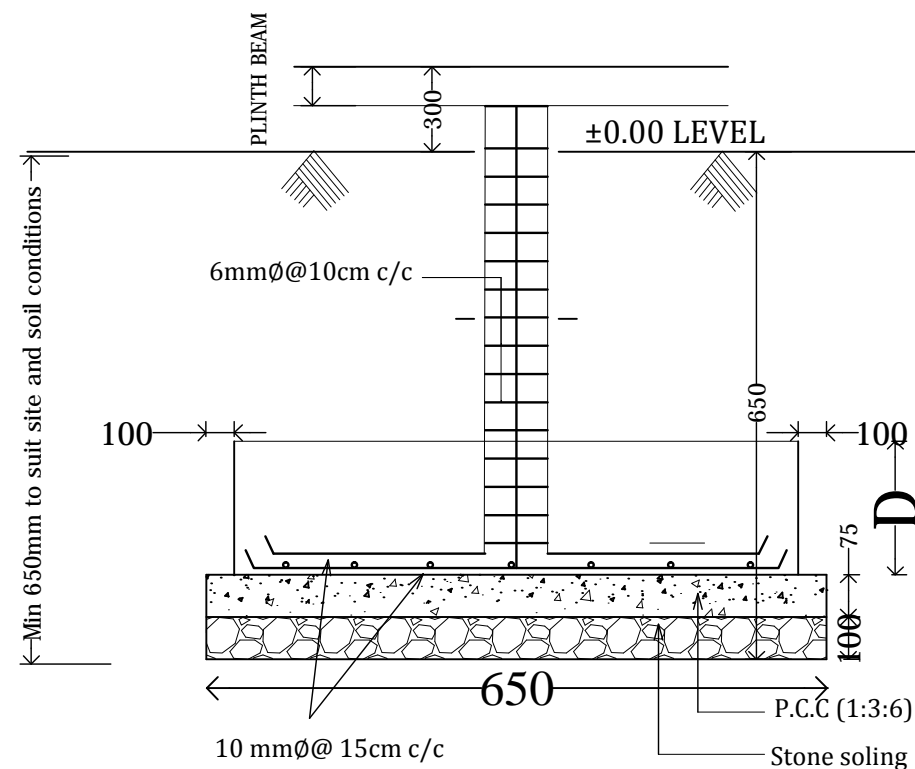


TABLE SHOWING DETAILS OF COLUMN FOOTINGS

FOOTING NO.	A x B (mm x mm)	D (mm)	X (mm)	Y (mm)	Reinforcement (Jali)
F-1 upto F-8	175 x 175	300	650	650	6mmØ @ 12 cm c/c
F-9	125 x 125	300	500	500	-

GENERAL NOTES:

1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED.
2. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED.
3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UP TO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.2 -
THE MAWPHLANG DEMO HOUSE MODEL
(APPLICABLE IN ALL DISTRICTS OF MEGHALAYA)

DRAWING NO.3

CONTENTS :

DETAILS OF FOOTING, TYPICAL COLUMN SECTION, PLINTH WALL & LINTELS

PLINTH AREA:

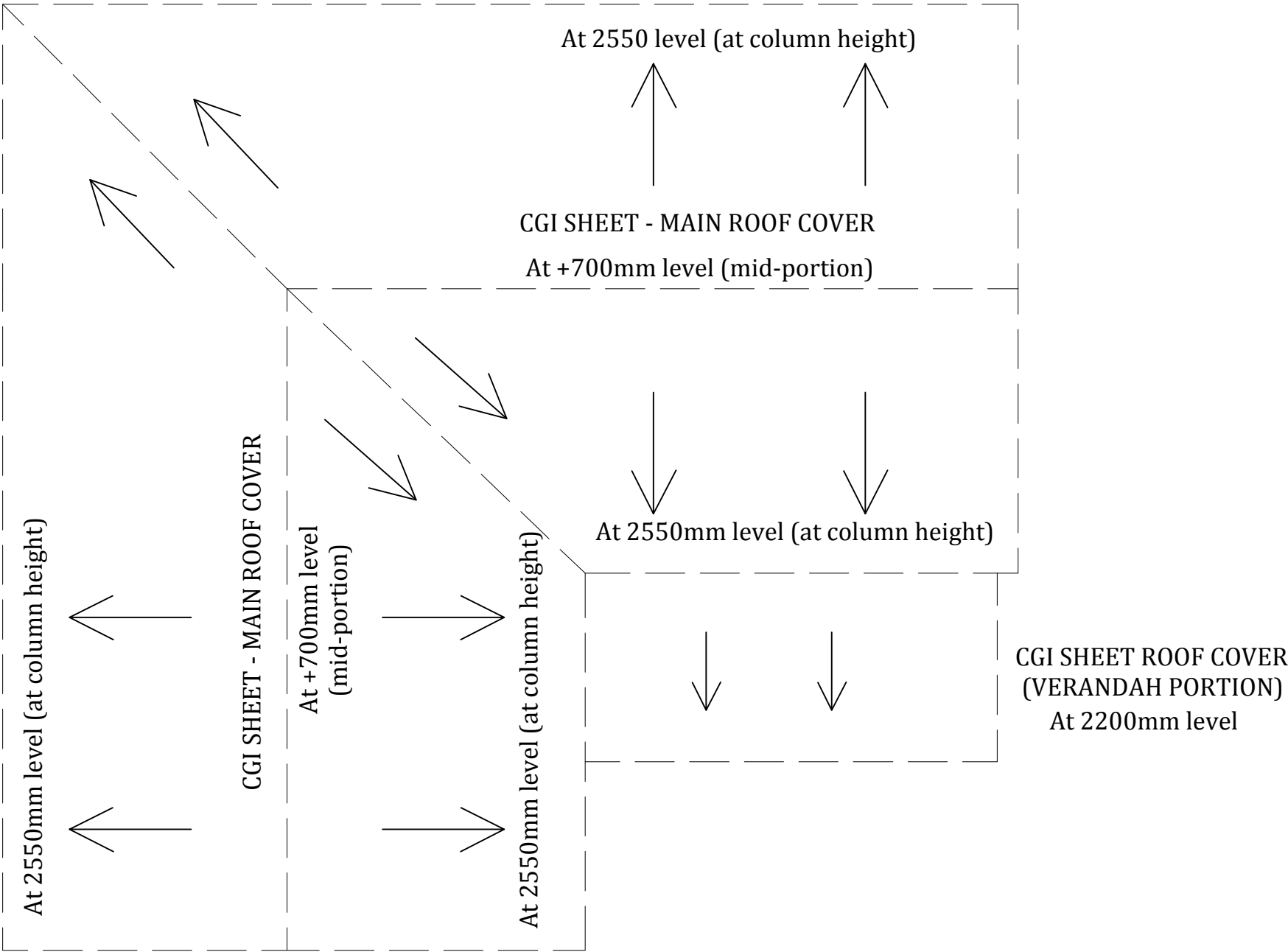
CARPET AREA - 26.7 sq.m
VERANDAH - 4.83 sq.m

TOTAL - 31.53 sq.m (339 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.



SCHEDULE OF ALL OPENINGS		
All Dimensions are in mm		
SCHEDULE OF DOORS		
DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100
SCHEDULE OF WINDOWS		
WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-
SCHEDULE OF VENTILATORS		
VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-

DRAWN BY:

ASSISTANT ENGINEER (PMAY-G)
DIRECTORATE OF COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.

GENERAL NOTES:

1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED.
2. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED.
3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.2 -
THE MAWPHLANG DEMO HOUSE MODEL
(APPLICABLE IN ALL DISTRICTS OF MEGHALAYA)

DRAWING NO.4

CONTENTS :

FLOOR PLAN

PLINTH AREA:

CARPET AREA - 26.7 sq.m
VERANDAH - 4.83 sq.m

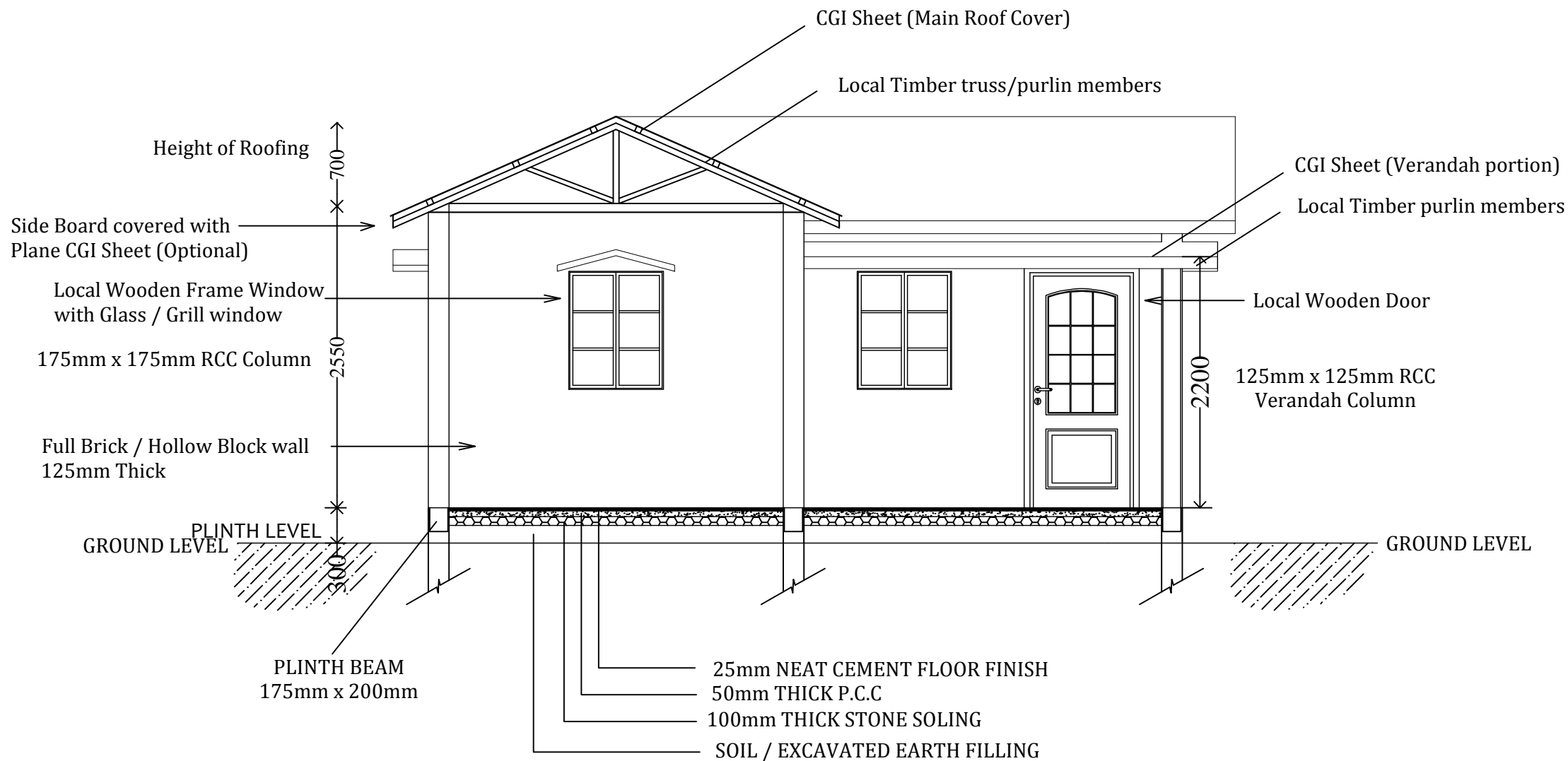
TOTAL - 31.53 sq.m (339 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.

SCHEDULE OF ALL OPENINGS		
All Dimensions are in mm		
SCHEDULE OF DOORS		
DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100
SCHEDULE OF WINDOWS		
WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-
SCHEDULE OF VENTILATORS		
VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-



GENERAL NOTES:

1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED.
2. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED.
3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.2 -
THE MAWPHLANG DEMO HOUSE MODEL
(APPLICABLE IN ALL DISTRICTS OF MEGHALAYA)

DRAWING NO.5

CONTENTS :

FRONT & BACK ELEVATIONS

PLINTH AREA:

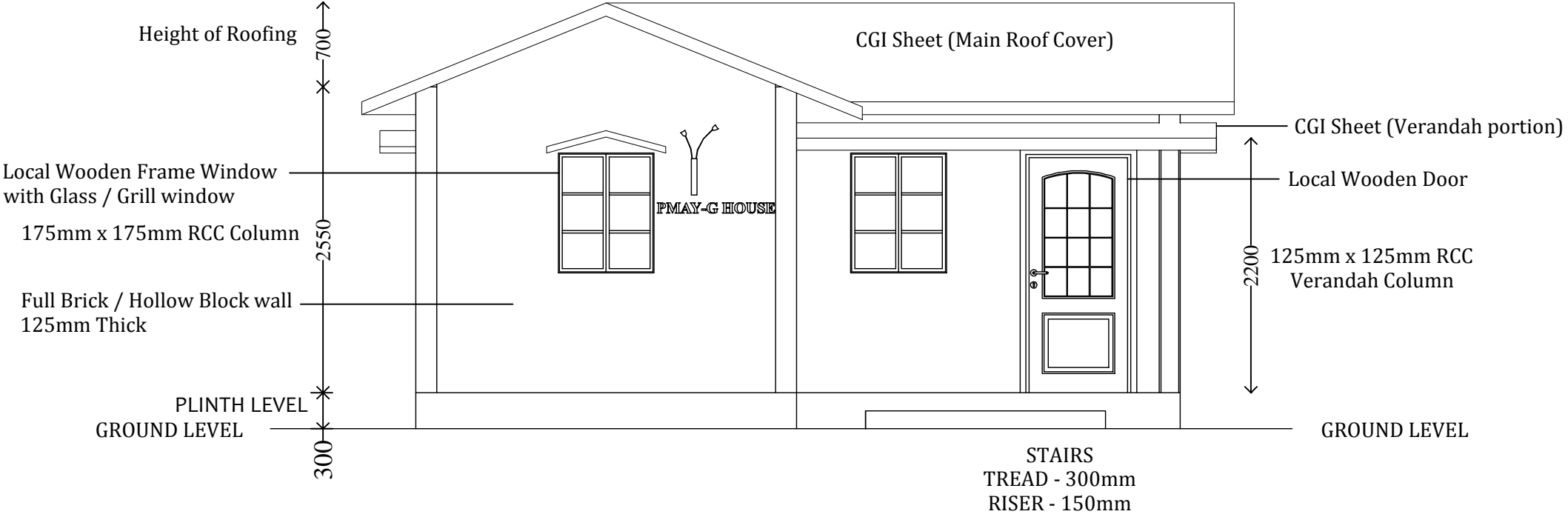
CARPET AREA - 26.7 sq.m
VERANDAH - 4.83 sq.m

TOTAL - 31.53 sq.m (339 sq.ft.)

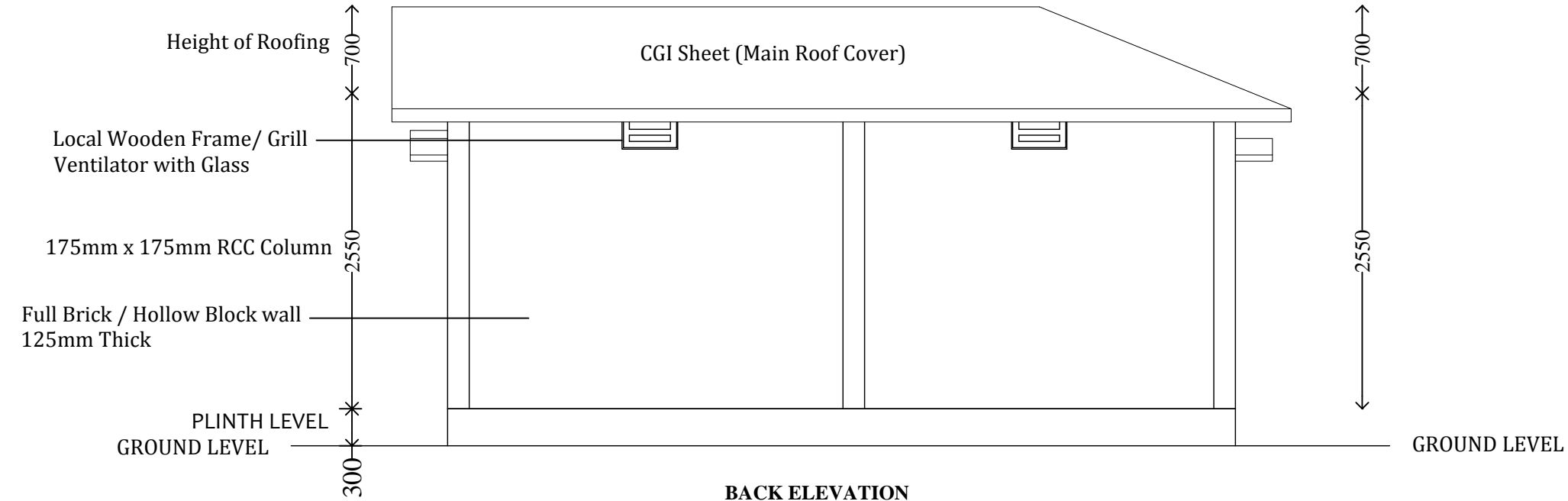
DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.



FRONT ELEVATION



BACK ELEVATION

SCHEDULE OF ALL OPENINGS		
All Dimensions are in mm		
SCHEDULE OF DOORS		
DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100
SCHEDULE OF WINDOWS		
WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-
SCHEDULE OF VENTILATORS		
VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-

GENERAL NOTES:

1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED.
2. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED.
3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.2 - THE MAWPHLANG DEMO HOUSE MODEL (APPLICABLE IN ALL DISTRICTS OF MEGHALAYA)

DRAWING NO.6

CONTENTS :

FRONT & BACK ELEVATIONS

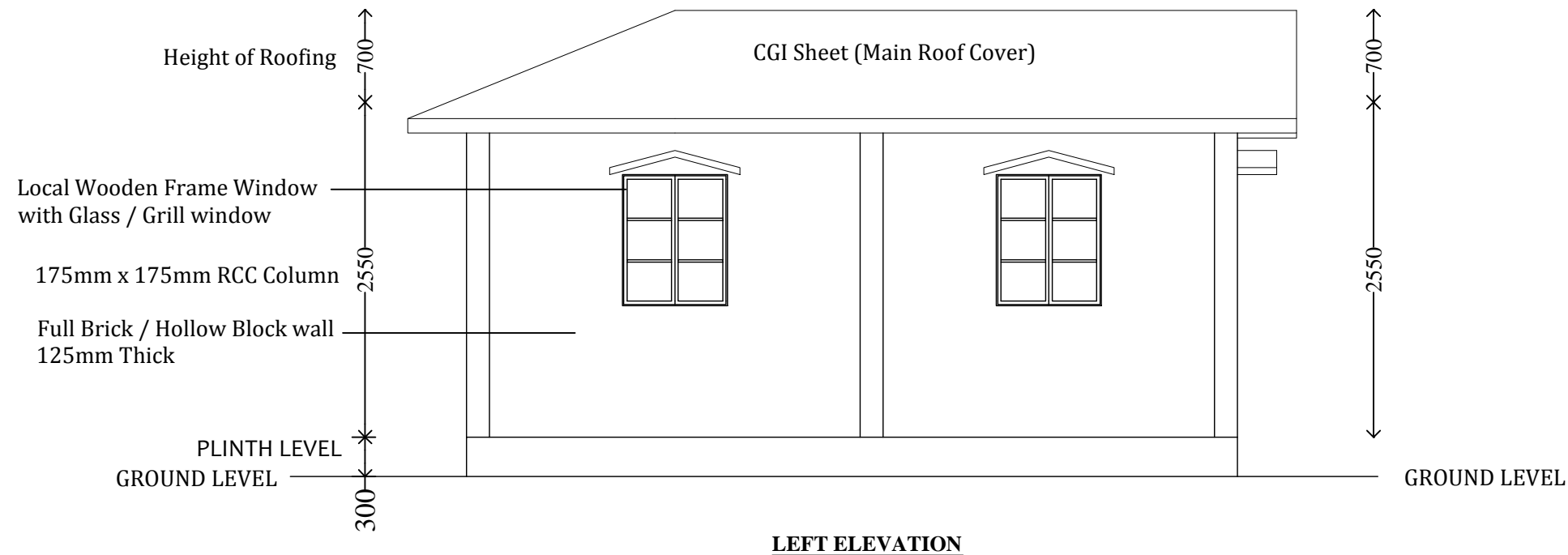
PLINTH AREA:

CARPET AREA - 26.7 sq.m
VERANDAH - 4.83 sq.m

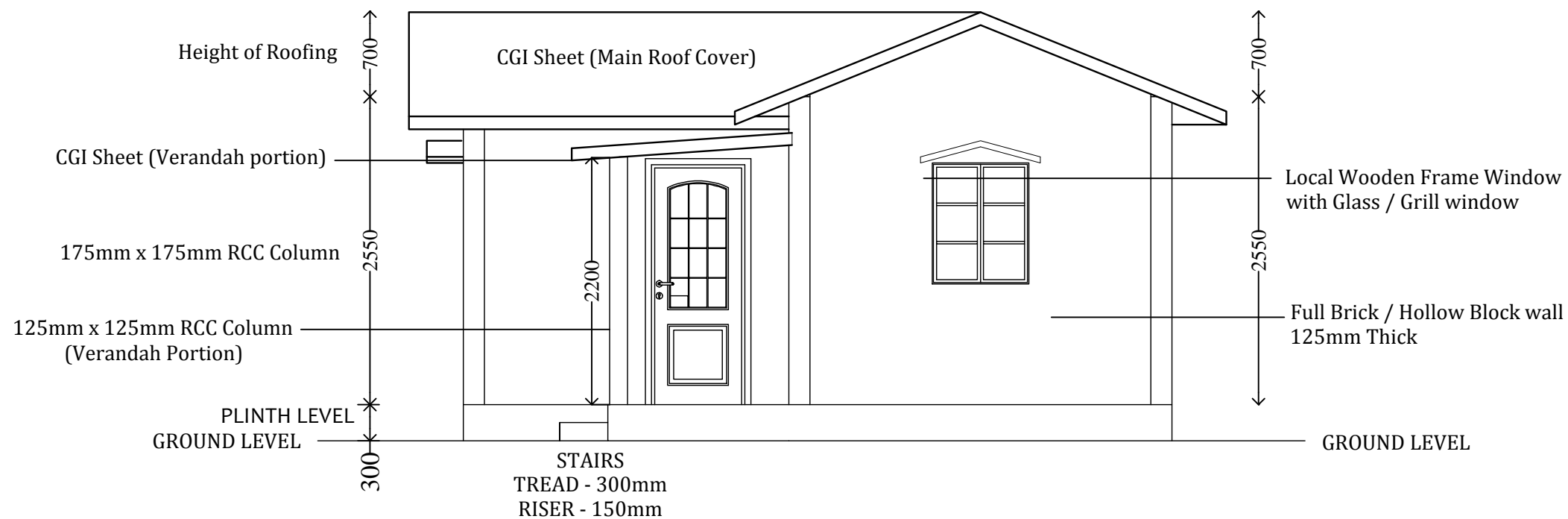
TOTAL - 31.53 sq.m (339 sq.ft.)

DESIGNED BY:

DC&RD
OFFICE OF THE DIRECTORATE OF COMMUNITY & RURAL DEVELOPMENT, MEGHALAYA, SHILLONG.



LEFT ELEVATION



RIGHT ELEVATION

SCHEDULE OF ALL OPENINGS

All Dimensions are in mm

SCHEDULE OF DOORS

DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100

SCHEDULE OF WINDOWS

WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-

SCHEDULE OF VENTILATORS

VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-

GENERAL NOTES:

1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED.
2. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED.
3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.2 -
THE MAWPHLANG DEMO HOUSE MODEL
(APPLICABLE IN ALL DISTRICTS OF MEGHALAYA)

DRAWING NO.7

CONTENTS :

LEFT & RIGHT ELEVATIONS

PLINTH AREA:

CARPET AREA - 26.7 sq.m
VERANDAH - 4.83 sq.m

TOTAL - 31.53 sq.m (339 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.



FRONT VIEW



REAR VIEW



LEFT VIEW



RIGHT VIEW

SCHEDULE OF ALL OPENINGS		
All Dimensions are in mm		
SCHEDULE OF DOORS		
DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100
SCHEDULE OF WINDOWS		
WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-
SCHEDULE OF VENTILATORS		
VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-

GENERAL NOTES:

1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED.
2. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED.
3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.2 -
THE MAWPHLANG DEMO HOUSE MODEL
(APPLICABLE IN ALL DISTRICTS OF MEGHALAYA)

DRAWING NO.8

CONTENTS :

FRONT, REAR, LEFT & RIGHT 3-D VIEWS

PLINTH AREA:

CARPET AREA - 26.7 sq.m
VERANDAH - 4.83 sq.m

TOTAL - 31.53 sq.m (339 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.