

WOMENS COMMITTEE BUILDING / GN. FUVAHMULAH

TWO STOREY BUILDING

BILL OF QUANTITY (BOQ)

PROJECT:
CONSTRUCTION OF TWO STOREY BUILDING
SUMMARY OF BILLS OF QUANTITIES

SL.NO	BILL NAME	TOTAL
1)	TOTAL OF BILL NO. 01 (PRELIMINARIES)	-
2)	TOTAL OF BILL NO. 02 (GROUND WORKS)	-
3)	TOTAL OF BILL NO. 03 (CONCRETE WORKS)	-
4)	TOTAL OF BILL NO. 04 (MASONRY AND PLASTERING)	-
5)	TOTAL OF BILL NO. 05 (METAL WORKS)	-
6)	TOTAL OF BILL NO. 06 (CEILINGS)	-
7)	TOTAL OF BILL NO. 07 (DOORS AND WINDOWS)	-
8)	TOTAL OF BILL NO. 8 (FLOOR & WALL TILES)	-
9)	TOTAL OF BILL NO. 9 (PAINTING)	-
10)	TOTAL OF BILL NO. 10 (HYDRAULICS AND DRAINAGE)	-
11)	TOTAL OF BILL NO. 11 (ELECTRICAL INSTALLATIONS)	-
12)	TOTAL OF BILL NO. 12 (ROOFING)	-
13)	TOTAL OF BILL NO. 13 (COMMON WORKS)	-
TOTAL AMOUNT		-
GST 8%		-
GRAND TOTAL		-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
	Bill No: 01 PRELIMINARIES								
1.1	General Notes								
1)	Abbreviations m - meter No - numbers m3 - cubic meter m2 - square meter Lm - Linear meter t - tonnes incl - including mm - millimeter dia - diameter SS - Stainless Steel GI - Galvanised Iron								
1.2	Site Management Costs								
1)	Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings and similar.	1.00	item		-		-	-	-
1.3	Sign Board								
1)	Allow for sign board	1.00	no		-		-	-	-
VT / S. T	Service and Facilities								
1)	Provision and maintenance of service and facilities such as Water, Power supply, lighting and fuel required for the project	1.00	no		-		-	-	-
1.5	Temporary Fencing and hoarding								
1)	Supply, erect and maintenance of a fence through out the construction period and hoarding all along the perimeter of the site.	1.00	no		-		-	-	-
1.6	Site clearing and Demolition								
1)	Demolition of any existing buildings and removal of those material from the site. Removing and clearing any shrubs or trees from the site.	1.00	no		-		-	-	-
1.7	Clean - up								
1)	Allow for clean - up of completed works and site upon completion.	1.00	item		-		-	-	-
TOTAL OF BILL NO. 01 (PRELIMINARIES) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>								-	-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
	Bill No: 02								
	GROUND WORKS								
	General								
2.1	a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating and disposing surplus soil.								
2.2	Protection of Existing Foundations								
1)	Protecting foundation of adjacent houses foundation, by using the method of foundation protection as specified by the engineer and drawing. (If required)	1.00	item		-		-	-	-
2.3	Excavation								
	a) Excavation quantities are measured to the faces of concrete members. Rates shall include for all additional excavation required to place the formwork, back fill, dewatering and others Shoring works								
1)	Excavation for footings, Foundation beams & Ground beam	56.97	m³		-		-	-	-
1.1	Footings	27.96							
	F1 (1.15x1.15x0.3) x9	11.43							
	F2 (1.0x1.0x0.3) x8	8.40							
	F3 (0.9x0.9x0.3) x4	3.40							
	ST1 (4.5x1.0x0.3) x1	4.73							
1.2	TB (400X250)	17.25							
1.3	GB (200X200)	11.75							
2.4	Dewatering								
1)	This item shall include for all the piping, pumps, etc. Water needs to be pumped to an assigned area as per local regulation.	1.00	item		-		-	-	-
2.5	Below ground masonry walls								
1)	Boundary walls	42.92	m²		-		-	-	-
1)	External walls	32.00	m²		-		-	-	-
2)	Internal Walls	32.00	m²		-		-	-	-
3)	Plastering	213.86	m²		-		-	-	-
2.6	Back Filling								
	(a) Rates shall include for: levelling, grading, trimming, compacting and similar.								
	(b) Ground need to be compacted to the required density by the consultant.								
1)	Earth Filling as per drawings	137.18	m²		-		-	-	-
2)	50 mm thick sand blinding layer to receive damp proof membrane	137.18	m²		-		-	-	-
2.7	Below Ground Well								
1)	Allow for 1.2 dia concrete well for ground water including casting in place and piping complete	1.00	item		-		-	-	-
2.8	Water Proofing								
	a) Water proofing and damproofing rates shall include for: dressing around and sealing to all penetrations.								
1)	Water proofing membrane polythene sheet under foundation raft including turn up	1.00	item		-		-	-	-
2)	Apply bituminous type waterproofing to all surfaces of concrete below ground level in accordance with the specifications and manufacturer's instructions	1.00	item		-		-	-	-
TOTAL OF BILL NO. 02 (GROUND WORKS)									
<i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>								-	-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
	6T12 mm dia. Steel bars	48.1	Kgs		-			-	
	06 mm dia. Steel bars	2.6	Kgs		-			-	
	(g) Stair case up to Ground level							-	
	10 mm dia. Steel bars	23.7	Kgs		-			-	
3.6	Ground Floor								
1)	Reinforced Concrete								
	In-Situ reinforced concrete to:								
	(a) Column -C1 (300x200) - 7 nos	1.092	m³		-			-	
	(b) Column -C2 (300x200) - 10 nos	1.560	m³		-			-	
	(c) Column -C3 (275x200) - 5 nos	0.715	m³		-			-	
	(d) Column -C4 (Dia250) - 3 nos	1.532	m³		-			-	
	(e) Coping Beam-CB	1.380	m³		-			-	
	(e) Attached Beam-B1	1.639	m³		-			-	
	(f) Attached Beam-B2	1.780	m³		-			-	
	(g) Attached Beam-B2A	0.127	m³		-			-	
	(h) Attached Beam-B3	1.739	m³		-			-	
	(i) Attached Beam-B4	0.284	m³		-			-	
	(j) Attached Beam-CB1	0.033	m³		-			-	
	(k) First Floor Slab (140mm Thk)	18.707	m³		-			-	
	(l) Staircase	1.337	m³		-			-	
	Cement	287.327	bags		-			-	
	River Sand	574.653	bags		-			-	
	Aggregate	861.980	bags		-			-	
2)	Formwork								
	(a) Column -C1 (300x200) - 7 nos	36.400	m²		-			-	
	(b) Column -C2 (300x200) - 10 nos	52.000	m²		-			-	
	(c) Column -C3 (275x200) - 5 nos	12.350	m²		-			-	
	(d) Column -C4 (Dia250) - 3 nos	6.127	m²		-			-	
	(e) Coping Beam-CB	24.526	m²		-			-	
	(e) Attached Beam-B1	25.846	m²		-			-	
	(f) Attached Beam-B2	28.077	m²		-			-	
	(g) Attached Beam-B2A	2.001	m²		-			-	
	(h) Attached Beam-B3	27.421	m²		-			-	
	(i) Attached Beam-B4	4.485	m²		-			-	
	(j) Attached Beam-CB1	0.513	m²		-			-	
	(i) First Floor Slab (130mm & 160mm Thk)	133.623	m²		-			-	
	(k) Staircase	11.49	m²		-			-	
3)	Reinforcement								
	(a) Column -C1 (300x200) - 7 nos up to Ground level								
	6T16 mm dia. Steel bars	199.1	Kgs		-			-	
	06 mm dia. Steel bars	7.9	Kgs		-			-	
	(b) Column -C2 (300x200) - 10 nos up to Ground level								
	6T12 mm dia. Steel bars	160.2	Kgs		-			-	
	06 mm dia. Steel bars	11.3	Kgs		-			-	
	(c) Column -C3 (275x200) - 5 nos up to Ground level								
	6T12 mm dia. Steel bars	117.5	Kgs		-			-	
	06 mm dia. Steel bars	5.3	Kgs		-			-	
	(d) Column -C4 (Dia250) - 3 nos up to Ground level								
	6T12 mm dia. Steel bars	48.1	Kgs		-			-	
	06 mm dia. Steel bars	2.6	Kgs		-			-	
	(e) Coping Beam-CB								
	10 mm dia. Steel bars	33.2	Kgs		-			-	
	06 mm dia. Steel bars	27.1	Kgs		-			-	
	(e) Attached Beam-B1								
	16 mm dia. Steel bars	265.4	Kgs		-			-	
	12 mm dia. Steel bars	74.8	Kgs		-			-	
	06 mm dia. Steel bars	62.0	Kgs		-			-	
	(f) Attached Beam-B2								
	16 mm dia. Steel bars	426.6	Kgs		-			-	
	06 mm dia. Steel bars	60.7	Kgs		-			-	
	(g) Attached Beam-B2A								
	16 mm dia. Steel bars	37.9	Kgs		-			-	
	06 mm dia. Steel bars	7.9	Kgs		-			-	
	(h) Attached Beam-B3								
	12 mm dia. Steel bars	224.3	Kgs		-			-	
	06 mm dia. Steel bars	59.4	Kgs		-			-	
	(i) Attached Beam-B4								
	12 mm dia. Steel bars	21.4	Kgs		-			-	
	06 mm dia. Steel bars	10.6	Kgs		-			-	
	(j) Attached Beam-CB1								
	16 mm dia. Steel bars	12.6	Kgs		-			-	
	12 mm dia. Steel bars	3.6	Kgs		-			-	
	06 mm dia. Steel bars	2.6	Kgs		-			-	
	(k) First Floor Slab								
	10 mm dia. Steel bars	1251.4	Kgs		-			-	
	(l) Staircase								
	12 mm dia. Steel bars	10.7	Kgs		-			-	
	10 mm dia. Steel bars	71.1	Kgs		-			-	
	06 mm dia. Steel bars	4.0	Kgs		-			-	
3.7	First Floor								
1)	Reinforced Concrete								
	In-Situ reinforced concrete to:								
	(a) Column -C1 (300x200) - 7 nos	1.092	m³		-			-	
	(b) Column -C2 (300x200) - 10 nos	1.560	m³		-			-	
	(c) Column -C3 (275x200) - 5 nos	0.715	m³		-			-	
	(d) Column -C4 (Dia250) - 3 nos	1.532	m³		-			-	

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
	(e) Column stump -CS (150x150) - 4 nos	0.090	m³	-	-	-	-	-	-
	(f) Roof Beam-RB1	4.813	m³	-	-	-	-	-	-
	(g) Roof Beam-RB2	2.370	m³	-	-	-	-	-	-
	(h) Coping Beam-CB	1.240	m³	-	-	-	-	-	-
	Cement	120.699	bags	-	-	-	-	-	-
	River Sand	241.398	bags	-	-	-	-	-	-
	Aggregate	362.097	bags	-	-	-	-	-	-
2)	Formwork								
	(a) Column -C1 (300x200) - 7 nos	36.400	m²	-	-	-	-	-	-
	(b) Column -C2 (300x200) - 10 nos	52.000	m²	-	-	-	-	-	-
	(c) Column -C3 (275x200) - 5 nos	12.350	m²	-	-	-	-	-	-
	(d) Column -C4 (Dia250) - 3 nos	6.127	m²	-	-	-	-	-	-
	(e) Column stump -CS (150x150) - 4 nos	1.200	m²	-	-	-	-	-	-
	(f) Roof Beam-RB1	72.197	m²	-	-	-	-	-	-
	(g) Roof Beam-RB2	35.544	m²	-	-	-	-	-	-
	(h) Coping Beam-CB	22.036	m³	-	-	-	-	-	-
3)	Reinforcement								
	(a) Column -C1 (300x200)- 7 nos up to Ground level								
	6T16 mm dia. Steel bars	199.1	Kgs	-	-	-	-	-	-
	06 mm dia. Steel bars	7.9	Kgs	-	-	-	-	-	-
	(b) Column -C2 (300x200) - 10 nos up to Ground level								
	6T12 mm dia. Steel bars	160.2	Kgs	-	-	-	-	-	-
	06 mm dia. Steel bars	11.3	Kgs	-	-	-	-	-	-
	(c) Column -C3 (275x200) - 5 nos up to Ground level								
	6T12 mm dia. Steel bars	117.5	Kgs	-	-	-	-	-	-
	06 mm dia. Steel bars	5.3	Kgs	-	-	-	-	-	-
	(d) Column -C4 (Dia250) - 3 nos up to Ground level								
	6T12 mm dia. Steel bars	48.1	Kgs	-	-	-	-	-	-
	06 mm dia. Steel bars	2.6	Kgs	-	-	-	-	-	-
	(e) Stump Column -C3 (150x150) - 4 nos up to Ground level								
	2T10 mm dia. Steel bars	4.7	Kgs	-	-	-	-	-	-
	06 mm dia. Steel bars	2.6	Kgs	-	-	-	-	-	-
	(f) Roof Beam-RB1								
	12 mm dia. Steel bars	496.6	Kgs	-	-	-	-	-	-
	06 mm dia. Steel bars	101.8	Kgs	-	-	-	-	-	-
	(g) Roof Beam-RB2								
	12 mm dia. Steel bars	170.9	Kgs	-	-	-	-	-	-
	06 mm dia. Steel bars	50.0	Kgs	-	-	-	-	-	-
	(h) Coping Beam-CB								
	10 mm dia. Steel bars	52.1	Kgs	-	-	-	-	-	-
	06 mm dia. Steel bars	30.5	Kgs	-	-	-	-	-	-
TOTAL OF BILL NO. 03 (CONCRETE WORKS)									
<i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>								-	-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
	Bill No: 04								
	MASONRY AND PLASTERING								
4.1	General								
	a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leaving holes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashings, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good.								
	b) All blocks shall be fabricated from manufactured sand and machine pressed and average compression strength for blocks should not be less than 2.8N/mm2 and shall comply with physical requirements of ISO 6073:1981								
	c) All walls shall be laid on and incl. 1:5 Cement Mortar, tie rods, compression gap filler, nylon / plastic mesh as specified.								
	d) Cement plastering on external walls and concrete surfaces with 1:4 Cement mortar mix as specified incl. wire mesh at joints of concrete surfaces and walls (first,second coats).								
	e) Cement plastering on internal walls and concrete surfaces with 1:4 Cement mortar mix as specified incl. wire mesh at joints of concrete surfaces and walls (one coat).								
	f) Cement screeding on the concrete floor with 1:4 cement mortar mix incl. trowel finish;								
	Ground Floor								
1)	Boundary walls with 150 mm thick solid blocks (2m height)	120.83	m ²						
	No.of blocks	2685.16	nos		-				
	Cement	48.94	bags		-				
	Riversand	244.68	bags		-				
3)	External walls with 150 mm thick solid blocks	91.88	m ²						
	No.of blocks	2041.82	nos		-				
	Cement	37.21	bags		-				
	Riversand	186.06	bags		-				
4)	Internal Walls with 100 mm thick solid blocks	105.25	m ²						
	No.of blocks	2338.85	nos		-				
	Cement	28.42	bags		-				
	Riversand	142.09	bags		-				
5)	Boundary Wall Plastering with 25 mm thick (2 coats)	241.66	m ²						
	Cement	54.37	bags		-				
	Riversand	217.50	bags		-				
	Wiremesh	48.00	sft		-				
5)	External Wall Plastering with 25 mm thick (2 coats)	127.80	m ²						
	Cement	28.76	bags		-				
	Riversand	115.02	bags		-				
	Wiremesh	120.00	sft		-				
6)	Internal Wall Plastering with 15 mm thick	194.84	m ²						
	Cement	26.30	bags		-				
	Riversand	105.21	bags		-				
	Wiremesh	175.00	sft		-				
7)	External Screeding with 50 mm thick	3.87	m ²						
	Cement	1.74	bags		-				
	Riversand	6.97	bags		-				
8)	InternalScreeding with 50 mm thick	116.13	m ²						
	Cement	52.26	bags		-				
	Riversand	209.04	bags		-				
9)	Staircase Screeding with 30 mm thick	4.77	m ²						
	Cement	1.29	bags		-				
	Riversand	5.15	bags		-				
10)	RCC Ground Slab 80 mm thick or as specified in drawing, (Rate shall include for reinforcement and shuttering required as per the drawings)	120.00	m ²						
11)	Polythene damp proof membrane (500 gauge) laid on blinding layer under slab	120.00	m ²						
	First Floor								
1)	External walls with 150 mm thick solid blocks	150.68	m ²						
	No.of blocks	3348.51	nos		-				
	Cement	61.03	bags		-				
	Riversand	305.13	bags		-				
2)	Internal Walls with 100 mm thick solid blocks	97.99	m ²						
	No.of blocks	2177.64	nos		-				
	Cement	26.46	bags		-				
	Riversand	132.29	bags		-				
3)	Balcony Walls with 100 mm thick solid blocks (1.2m height)	11.36	m ²						
	No.of blocks	252.40	nos		-				
	Cement	3.07	bags		-				
	Riversand	15.33	bags		-				
4)	External Wall Plastering with 25 mm thick (2 coats)	203.95	m ²						
	Cement	45.89	bags		-				
	Riversand	183.55	bags		-				
	Wiremesh	200.00	sft		-				
5)	Internal Wall Plastering with 15 mm thick	351.16	m ²						
	Cement	47.41	bags		-				
	Riversand	189.62	bags		-				
	Wiremesh	300.00	sft		-				
6)	Balcony Wall Plastering with 25 mm thick (2 coats) 1.2m height	22.72	m ²						
	Cement	5.11	bags		-				
	Riversand	20.44	bags		-				
9)	External Screeding with 50 mm thick	14.32	m ²						
	Cement	6.44	bags		-				
	Riversand	25.78	bags		-				
9)	Internal Screeding with 50 mm thick	104.23	m ²						
	Cement	46.90	bags		-				
	Riversand	187.62	bags		-				
10)	Water proofing membrain in toilet & balcony areas	24.72	m ²						
TOTAL OF BILL NO. 04 (MASONRY AND PLASTERING)									
(CARRIED OVER TO THE GENERAL SUMMARY)									
								-	-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
5.1	<p>Bill No: 05 METAL WORKS General a) Rates shall include for: all fabrication work, welding, marking, drilling for bolts incl. those securing timbers, steel plates, bolts, nuts and any type of washer, riveted work, counter sinking and tapping for bolts or machine screws. b) Rates shall include for fabrication and erection and temporary supports and fixing into position. c) Stair railing and balcony railing made as shown in drawings.</p>								
5.2	<p>Staircase Handrailing 50 mm dia (1 no) top member, 38mm dia vertically and 25 mm dia horizontally 3 nos etc,</p>								-
1)	<p>including bolts, washers and fixing to reinforced concrete as shown in the drawing. Ground to First Floor</p>	5.75	m		-		-	-	
TOTAL OF BILL NO. 05 (METAL WORKS) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>								-	-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL	
	Bill No: 06 CEILING									
6.1	General a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws. b) Rate shall include for: timber priming and all painting as specified in the drawing									
6.2	Cement Board Ceiling 4.5 mm Cement fibre board and/or 6 mm thick plywood on 35mm x 50mm treated timber frame at 600 X 600mm grid, smoothed and painted including framing, beading, nails and screws.								-	
1)	Ground Floor (Toilets)	8.00	m ²		-		-	-		
2)	First Floor (Toilets)	10.40	m ²		-		-	-		
TOTAL OF BILL NO. 06 (CEILINGS) (CARRIED OVER TO THE GENERAL SUMMARY)									-	-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
7.1	<p>Bill No: 07 DOORS AND WINDOWS General a) Rates shall include for: locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door & window hardware. b) Rates shall include for door frames and window frame,mullions,transms,trims,glazing,tinting,timber panels, boardings,framing,lining,fastenings and all fixing and installation b) All Aluminium windows shall be white powder coated aluminium or as specified in drawings c) All timber doors shall be solid timber paneled door with varnish finish or as specified in drawings d) All glazing shall be 6mm Tinted or as specified in drawings (Profiles to be chosen by client).</p>								
	Ground Floor								
	Door and window units								-
1)	Gate Door G1	1.00	Nos		-		-	-	
2)	Door, D1	2.00	Nos		-		-	-	
3)	Door, D2	2.00	Nos		-		-	-	
4)	Door D3	6.00	Nos		-		-	-	
5)	Door, D5	1.00	Nos		-		-	-	
6)	Glass Curtain Wall GC1	4.00	Nos		-		-	-	
7)	Fixed Glass FG5	5.00	Nos		-		-	-	
8)	Vent V1	4.00	Nos		-		-	-	
	1st Floor								
	Door and window units								-
1)	Door D2	5.00	Nos		-		-	-	
2)	Door D3	4.00	Nos		-		-	-	
2)	Door D4	4.00	Nos		-		-	-	
3)	Sliding Door SD1	1.00	Nos		-		-	-	
4)	Sliding Door SD2	1.00	Nos		-		-	-	
4)	Sliding Window SW1	4.00	Nos		-		-	-	
7)	Fixed Glass FG5	7.00	Nos		-		-	-	
5)	Vent Window V1	4.00	Nos		-		-	-	
TOTAL OF BILL NO. 07 (DOORS AND WINDOWS)								-	-
<i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>									

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
	Bill No: 8 FLOOR & WALL TILES								
8.1	General a) Rates shall include for: fixing, bedding, grouting and pointing materials; making good around pipes, Sanitary fixtures, and similar: Cleaning down and polishing b) Rates shall include for all other beading works required at the corners c) All tiles shall be ISO approved tiles or similar as given in drawings or Technical Specification. d) where there may be any discrepancies between the drawings and bill of quantities, detail given in the drawings shall be precede. e) All items are for supply and complete installation f) All tiles shall be fixed using tile adhesive with proper water proofing (where ever necessary) application by using water proofing Membrane as per the manufacture guidelines and instruction.								
	Ground Floor								-
1)	External Area tiling 600 X 600 mm Homogeneous tiles with 100 mm skirting	3.87	m ²		-		-	-	
2)	Internal Area tiling 600 X 600 mm Homogeneous tiles with 100 mm skirting	116.13	m ²		-		-	-	
3)	Toilet wall tiling 300 X 450 mm glazed tiles	64.43	m ²		-		-	-	
4)	Staircase tiling with nosing including landing area	7.46	m ²		-		-	-	
	1st Floor								-
1)	External Area tiling 600 X 600 mm Homogeneous tiles with 100 mm skirting	14.32	m ²		-		-	-	
2)	Internal Area tiling 600 X 600 mm Homogeneous tiles with 100 mm skirting	104.23	m ²		-		-	-	
3)	Toilet wall tiling 300 X 450 mm glazed tiles	59.02	m ²		-		-	-	
TOTAL OF BILL NO. 8 (FLOOR & WALL TILES) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>								-	-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
9.1	<p>Bill No: 9 PAINTING General a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, rubbing down between coats and similar work, the protection and / or making floors, fittings and similar work, removing and replacing door and window furniture b) All painting work shall be carried in accordance with the specifications. c) Weather proof emulsion paint system with textured finish on plastered and concrete surfaces of external walls. d) Emulsion paint putty finish system on plastered and concrete surfaces of internal walls. e) Emulsion paint putty finish on concrete slab and beams, plywood / cement fibre board of all internal surfaces.</p>								
	Ground Floor								-
	External wall Paint	369.47	m ²		-		-	-	
	Internal wall Paint	194.84	m ²		-		-	-	
	Ceiling & Soffit Paint	116.13	m ²		-		-	-	
	First Floor								-
	External wall Paint	226.67	m ²		-		-	-	
	Internal wall Paint	351.16	m ²		-		-	-	
	Ceiling & Soffit Paint	104.23	m ²		-		-	-	
TOTAL OF BILL NO. 9 (PAINTING)								-	-
<i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>									

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
	Bill No: 10 HYDRAULICS & DRAINAGE								
10.1	General a) Design, Supply and install plumbing network for the entire building complete in accordance to standard set by the local governing body MWSC. b) Rates shall include for: sockets, running joints, connections, elbows, junctions, reducers, expansion joints; backnuts and similar; incidental fittings, clips, saddles, brackets, straps, hanges, screws, nails and fixing complete, including cutting and								
	Ground Floor								
10.2	Well / Fresh water supply pipework								-
1)	Allow for Water meter trenching including concrete works, masonry works, trench covering all complete as per drawings	1.00	item		-		-	-	
2)	Allow for water network connection from all floor to ground	1.00	item		-		-	-	
3)	Allow for water connection to fixtures from MWSC mains / Well to source (toilets in Ground floor)	1.00	item		-		-	-	
4)	Supply and fixing MWSC fresh water mains (meters)	1.00	nos		-		-	-	
10.3	Sanitary Fixtures & Accessories Sanitary Fixtures complete including brackets flush pipes, overflows and washers etc.								-
	1) All toilet fittings shall be "Cotto" or equivalent - chrome plated 2) All toilet fixtures shall be "Cotto" or equivalent brand. 3) All piping shall be of UPVC 4) All kitchen sinks shall be of SS type with chrome plated taps. 5) All water pumps shall be of "Davie Jet" brand or equivalent.								
1)	Water Closet	2.00	nos		-		-	-	
2)	Wash basin	4.00	nos		-		-	-	
3)	Wash basin tap	4.00	nos		-		-	-	
4)	Muslim Shower	2.00	nos		-		-	-	
5)	Mirror with accessories	4.00	nos		-		-	-	
6)	Water Taps / Faucet	5.00	nos		-		-	-	
7)	Floor waste with gully trap	5.00	nos		-		-	-	
8)	Valves	5.00	nos		-		-	-	
10.4	Drainage Discharge pipework								-
1)	Supply & Install complete Discharge pipe work	1.00	item		-		-	-	
10.5	Well Water pump								-
1)	Installation of well water pump	1.00	item		-		-	-	
	First Floor								
10.6	Well / Fresh water supply pipework								-
1)	Allow for water connection to fixtures from MWSC mains / Wells to source	1.00	item		-		-	-	
2)	Supply and fixing MWSC fresh water mains (meters)	1.00	nos		-		-	-	
10.7	Sanitary Fixtures & Accessories Sanitary Fixtures complete including brackets flush pipes, overflows and washers etc.								-
	1) All toilet fittings shall be "Cotto" or equivalent - chrome plated 2) All toilet fixtures shall be "Cotto" or equivalent brand. 3) All piping shall be of UPVC 4) All kitchen sinks shall be of SS type with chrome plated taps. 5) All water pumps shall be of "Davie Jet" brand or equivalent.								
1)	Water Closet	4.00	nos		-		-	-	
2)	Wash basin	4.00	nos		-		-	-	
3)	Wash basin tap	4.00	nos		-		-	-	
4)	Muslim Shower	4.00	nos		-		-	-	
5)	Head shower	4.00	nos		-		-	-	
6)	SS Kitchen Sink incl. concrete base and masonry support walls.	1.00	nos		-		-	-	
7)	Sink Tap	1.00	nos		-		-	-	
8)	Mirror with accessories	4.00	nos		-		-	-	
9)	Water Taps / Faucet	5.00	nos		-		-	-	
10)	Floor waste with gully trap	14.00	nos		-		-	-	
11)	Valves	4.00	nos		-		-	-	
10.8	Drainage Discharge pipework								-
1)	Complete Discharge pipe work	1.00	item		-		-	-	
TOTAL OF BILL NO. 10 (HYDRAULICS AND DRAINAGE) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>								-	-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
	Bill No: 11								
	ELECTRICAL INSTALLATIONS								
1)	General a) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories. b) Rate shall include for electrical conduits, fittings, equipment and similar all fixings c) Each light / light fixture and its switches shall measure as one one point: similarly each sockets or each fans shall measured as one point. d) Rate shall include for supply and complete installation of all floors. e) Provide junction box for each separate unit of telephone and cable tv system.								
11.1	Ground Floor								
a)	Electrical boards Complete installation incl. for all connection earthing, painting, testing and similar of;								-
1)	Distribution boards (Inc circuit.brakers & etc..)	1.00	nos		-		-	-	
2)	Complete installation incl. for all connection earthing, painting, testing and similar of Electric Meter	1.00	nos		-		-	-	
b)	Electrical wiring Electrical wiring with copper conductor cable in conduits in walls and slab as specified to								-
1)	2.5mm2 Wiring to light fixtures, fans and its switches	56.00	points		-		-	-	
2)	Wiring to Socket Switches	49.00	points		-		-	-	
3)	Cabling to Distribution boards	39.00	points		-		-	-	
c)	Ceiling Fans								-
1)	" USHA" or similar of 48" dia. Complete	8.00	nos		-		-	-	
2)	Fan Dimmer Switch	8.00	nos		-		-	-	
d)	Lighting								-
1)	Wall mount light	2.00	nos		-		-	-	
2)	Ceiling mount light	38.00	nos		-		-	-	
3)	Weather proof wall mount light	8.00	nos		-		-	-	
e)	Socket outlets All sockets shall be "Clipsal"or equivalent								-
1)	13 Amps Socket Switch single	34.00	nos		-		-	-	
2)	15 Amps Socket Switch	15.00	nos		-		-	-	
f)	Light Switches All switches shall be "Clipsal"or equivalent								-
1)	One Way switches- 1 Gang	12.00	nos		-		-	-	
2)	One Way switches- 2 Gang	2.00	nos		-		-	-	
3)	Timer switches- (2 light)	1.00	nos		-		-	-	
5)	Timer switches- (3 light)	2.00	nos		-		-	-	
6)	One Way switches- 4 Gang	6.00	nos		-		-	-	
11.2	First Floor								
a)	Electrical boards Complete installation incl. for all connection earthing, painting, testing and similar of;								-
1)	Distribution boards (Inc circuit.brakers & etc..)	1.00	nos		-		-	-	
2)	Complete installation incl. for all connection earthing, painting, testing and similar of Electric Meter	1.00	nos		-		-	-	
b)	Electrical wiring Electrical wiring with copper conductor cable in conduits in walls and slab as specified to								-
1)	2.5mm2 Wiring to light fixtures, fans and its switches	49.00	points		-		-	-	
2)	Wiring to Socket Switches	39.00	points		-		-	-	
3)	Cabling to Distribution boards	32.00	points		-		-	-	
4)	Cabling to Network points	1.00	points		-		-	-	
c)	Ceiling Fans								-
1)	" USHA" or similar of 48" dia. Complete	5.00	nos		-		-	-	
2)	Fan Dimmer Switch	5.00	nos		-		-	-	
d)	Lighting								-
1)	Ceiling mount light	32.00	nos		-		-	-	
2)	Weather proof wall mount light	12.00	nos		-		-	-	
e)	Socket outlets All sockets shall be "Clipsal"or equivalent								-
1)	13 Amps Socket Switch single	30.00	nos		-		-	-	
2)	15 Amps Socket Switch	9.00	nos		-		-	-	
3)	Network / Telephone Socket	1.00	nos		-		-	-	
f)	Light Switches All switches shall be "Clipsal"or equivalent								-
1)	One Way switches- 1 Gang	11.00	nos		-		-	-	
2)	One Way switches- 2 Gang	2.00	nos		-		-	-	
3)	One Way switches- 3 Gang	1.00	nos		-		-	-	
4)	Timer switches- (3 light)	2.00	nos		-		-	-	
5)	One Way switches- 4 Gang	5.00	nos		-		-	-	
TOTAL OF BILL NO. 11 (ELECTRICAL INSTALLATIONS) (CARRIED OVER TO THE GENERAL SUMMARY)									-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
1)	Bill No: 12 Roofing General a) Rates shall include for: Fair edges,dressing over angel fillets,turining into groves, all other labours, circular edges, nails, screws and other fixing and laps.								
12.1	Roof framing a) 50x150mm timber rafters b) 50x50mm purlins or battens c) 25x200mm timber fascia board	2.27 0.63 33.32	m ³ m ³ m		- - -		- - -	- - -	-
12.2	Roof Covering a) Lysuaght roof including the all fixings, fixed in accordance with manufacturer's instrctution. b) Flashing & Ridge Capping; MSP colorbond flat sheet flashing	163.89 34.70	m ² m		- -		- -	- -	-
12.3	Gutter a) MSP Colorbond flatsheet gutter including framing, and supports, straps, brackets, clips, stop ends, overflow, downpipe outlets and all fixings and fastenings.	33.32	m		-		-	-	-
12.4	Down pipe a) 75mm dia PVC down pipe including bends, junction,straps.brakets, clips and all fixing	36.00	m		-		-	-	-
TOTAL OF BILL NO. 12 (ROOFING) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>								-	-

SL.NO	DESCRIPTION	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL	SUB-TOTAL
	Bill No: 13								
	COMMON WORKS								
1)	General a) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories. b) Rate shall include for electrical conduits, fittings, equipment and similar all fixings c) Rate shall include for all necessary electrical wiring and accessories required for completion of lift installation.								
13.1	ELECTRICAL MAIN CONNECTION								-
1)	Allow for three phase main connection from STELCO board to Panel board from STELCO Transformer / Road DB	1.00	item		-		-	-	
2)	Allow for Panel board base including concrete foundation, maosanry wall includign finish complete	1.00	Item		-		-	-	
13.2	MWSC SEWER CONNECTION								-
1)	MWSC main sewer connection	1.00	Item		-		-	-	
2)	Constructing Inspection Chamber of required size with all provisions to connect pipelines as per drawing.	1.00	nos		-		-	-	
TOTAL OF BILL NO. 13 (COMMON WORKS) (CARRIED OVER TO THE GENERAL SUMMARY)								-	-



Email: info@ejdearch.com

Contact: 7604174 / 8905543

PROPOSED 2 STOREY BUILDING @ WOMEN'S COMMITTEE BUILDING

GN. FUVAHMULAH CITY - MALDIVES

CLIENT: FUVAHMULAH CITY COUNCIL

ARCHITECTURAL AND STRUCTURAL DRAWINGS



Email: info@esearch@gmail.com
 Contact: 7624174 / 9905543

CLIENT:
FUVAHMAJLAH CITY COUNCIL

PROJECT:
**WOMEN'S COMMITTEE BUILDING
 GN, FUVAHMAJLAH CITY**

LICENSED ARCHITECT:
AFFAN AHMED

ARCHITECTURAL CHECKER:
AHUSAN ABDUL MUHSIN

STRUCTURAL ENGINEER:
**ZIYAAD HASSAN
 YOUSUF**

STRUCTURAL CHECKER:
**MOHAMED MUTHTHALIB
 WALEED**

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

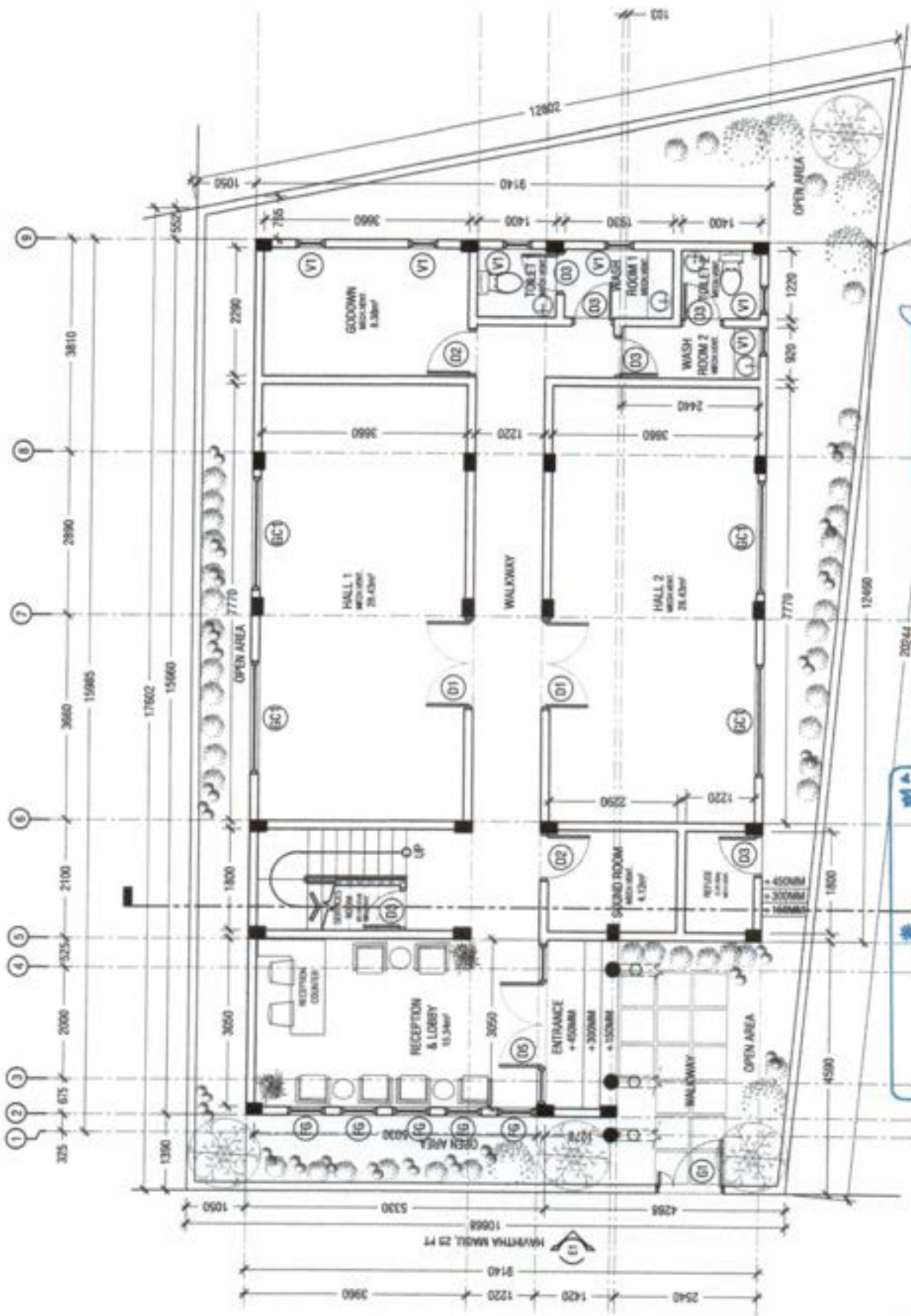
DATE: COMPILED

REVISION NO. 00

FILE NAME:
 RESARCH000PROJECTS/RESIDENTIAL/
 WOMEN COMMITTEE BUILDING

WARNING:
 - This drawing shall not be used for construction without the written consent of the architect.
 - The architect shall not be responsible for any errors or omissions in this drawing, including but not limited to, the accuracy of the information provided by the client, the accuracy of the data used in the design, or the accuracy of the information provided by the client, the accuracy of the data used in the design, or the accuracy of the information provided by the client, the accuracy of the data used in the design.

A01



Handwritten notes in Arabic and English, including a signature and date: 2020/05/25.

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
 Name: Ahusan Abdul Muhsein | No. 25.02.20 - 18.02.24
 Accredited No: BPP020205681 | 91-9223-842-891

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
 Name: Mohamed Muththab Waleed | No. 25.02.20 - 11.08.24
 Accredited No: BPP020206241 | A1-9223-842-891





Email: info@esearch.com
 Contact: 78041174 / 9005543

CLIENT:
 FUAHMAULAH CITY
 COUNCIL

PROJECT:
 WOMEN'S
 COMMITTEE BUILDING
 GN. FUAHMAULAH CITY

LICENSED ARCHITECT:
 AFFAN AHMED

ARCHITECTURAL CHECKER:
 AHUSAN ABDUL MUHUSIN

STRUCTURAL ENGINEER:
 ZINAM HASSAN
 YOUSUF

STRUCTURAL CHECKER:
 MOHAMED MUTHTHALIB
 WALEED

SCALE: AS GIVEN

DRIVING TITLE: AS GIVEN

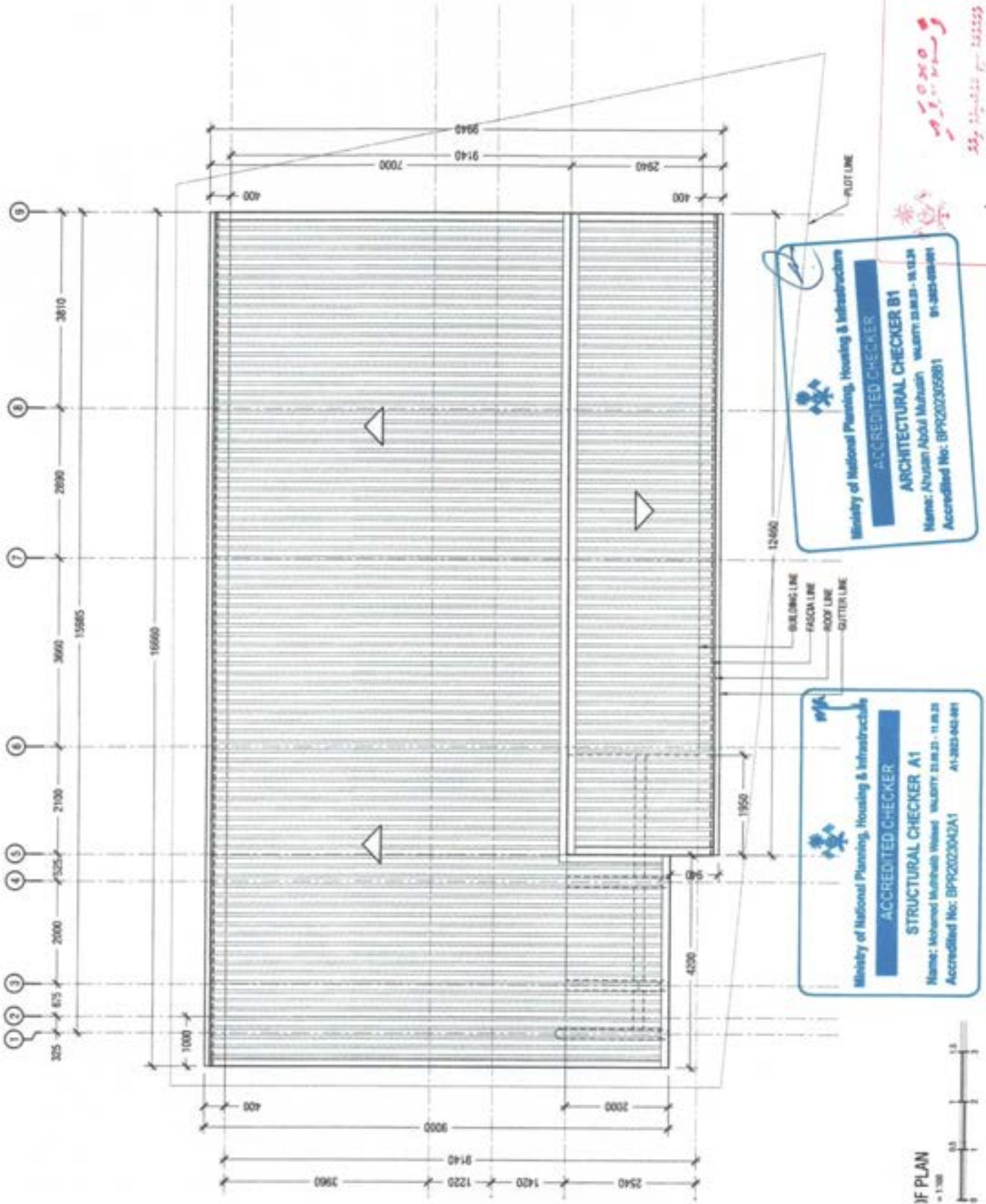
DATE DRAFTED:

REVISION NO.: 00

FILE NAME:
 (RELATIONSHIP)PROJECTS/ESSENTIAL/
 WOMEN COMMITTEE BUILDING

WARNING:
 - This drawing shall not be used for construction
 without the approval of the relevant authorities,
 with all dimensions of walls, columns, beams,
 etc. to be clearly indicated on every drawing.
 - The drawing is to be used for information only
 and shall not be used for any other purpose.
 - The drawing is to be kept in accordance with
 the relevant codes of practice.
 - The drawing is to be kept in accordance with
 the relevant codes of practice.
 - The drawing is to be kept in accordance with
 the relevant codes of practice.

A03



Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
 Name: Ahusan Abdul Muhusin VALIDITY 23.03.23 - 16.03.26
 Accredited No: BPP202005981 01-883-08481

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
 Name: Mohamed Muththalib Waleed VALIDITY 23.03.23 - 11.03.25
 Accredited No: BPP2020042A1 01-883-042-081

IF PLAN
 = 1:100

Handwritten notes and signatures in a red box, including dates like 22/1/23 and 13/2, and various signatures.



Email: info@esearch@gmail.com
Contact: 76041174 / 9605543

CLIENT:

FUVAHMAULAH CITY COUNCIL

PROJECT:

WOMEN'S COMMITTEE BUILDING
GN. FUVAHMAULAH CITY

LICENSED ARCHITECT:
AFFAN AHMED

ARCHITECTURAL CHECKER:
AHJUSAN ABDUL MUHSIN

STRUCTURAL ENGINEER:
ZIMAAM HASSAN
YOOSUF

STRUCTURAL CHECKER:
MOHAMED MUTHTHALIB
WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

DATE: 20/11/23

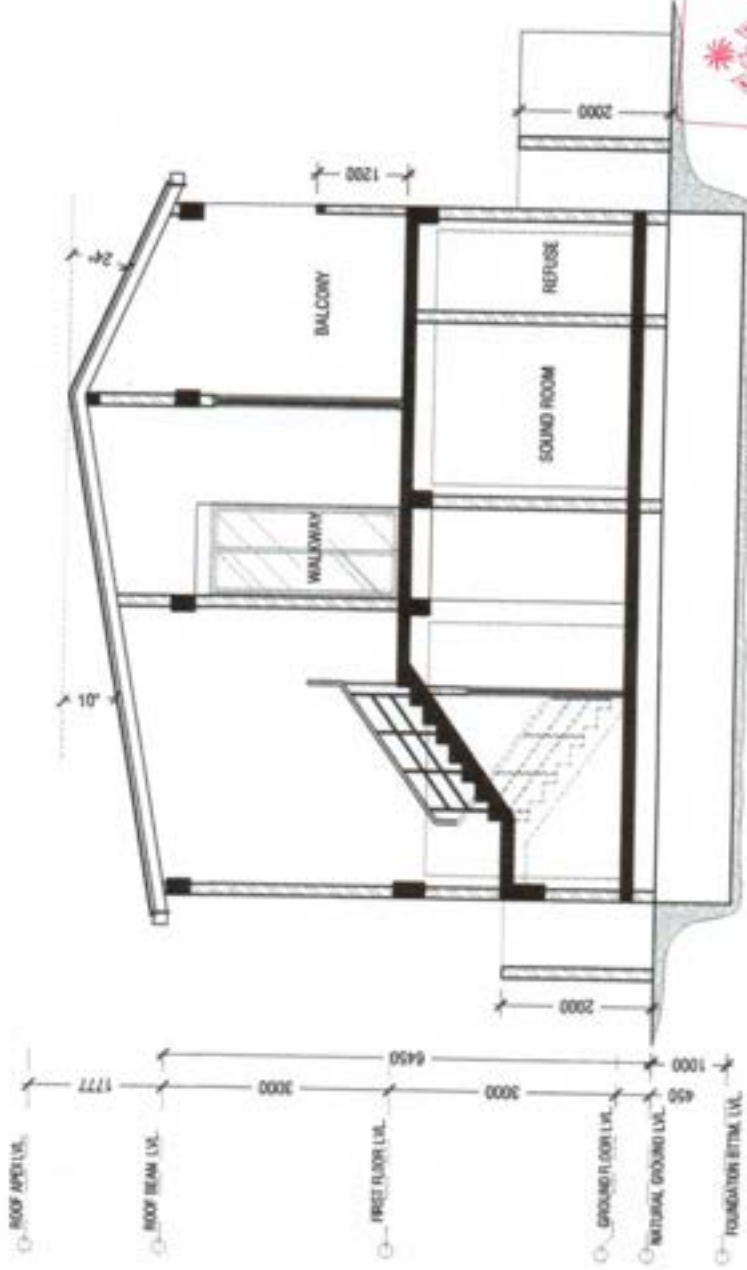
REVISION NO.: 00

FILE NAME:

RESEARCHPROJECTSPRESENTALU
WOMEN COMMITTEE BUILDING

WARNING:
This drawing shall not be used for construction
- It is subject to the approval of the relevant authorities.
- It is subject to the approval of the relevant authorities.
- It is subject to the approval of the relevant authorities.
- It is subject to the approval of the relevant authorities.
- It is subject to the approval of the relevant authorities.

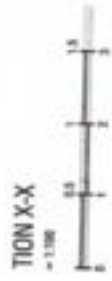
A04



Handwritten notes in Arabic and English, including a date '20/11/23' and a signature.

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
Name: Ahujan Abdul Muhsein WLU001200032 - 01.03.20
Accredited No: BPR202005881 01-2022-002-001

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
Name: Mohamed Muththalib Waleed WLU001200032 - 01.03.20
Accredited No: BPR202004241 A1-2022-002-001

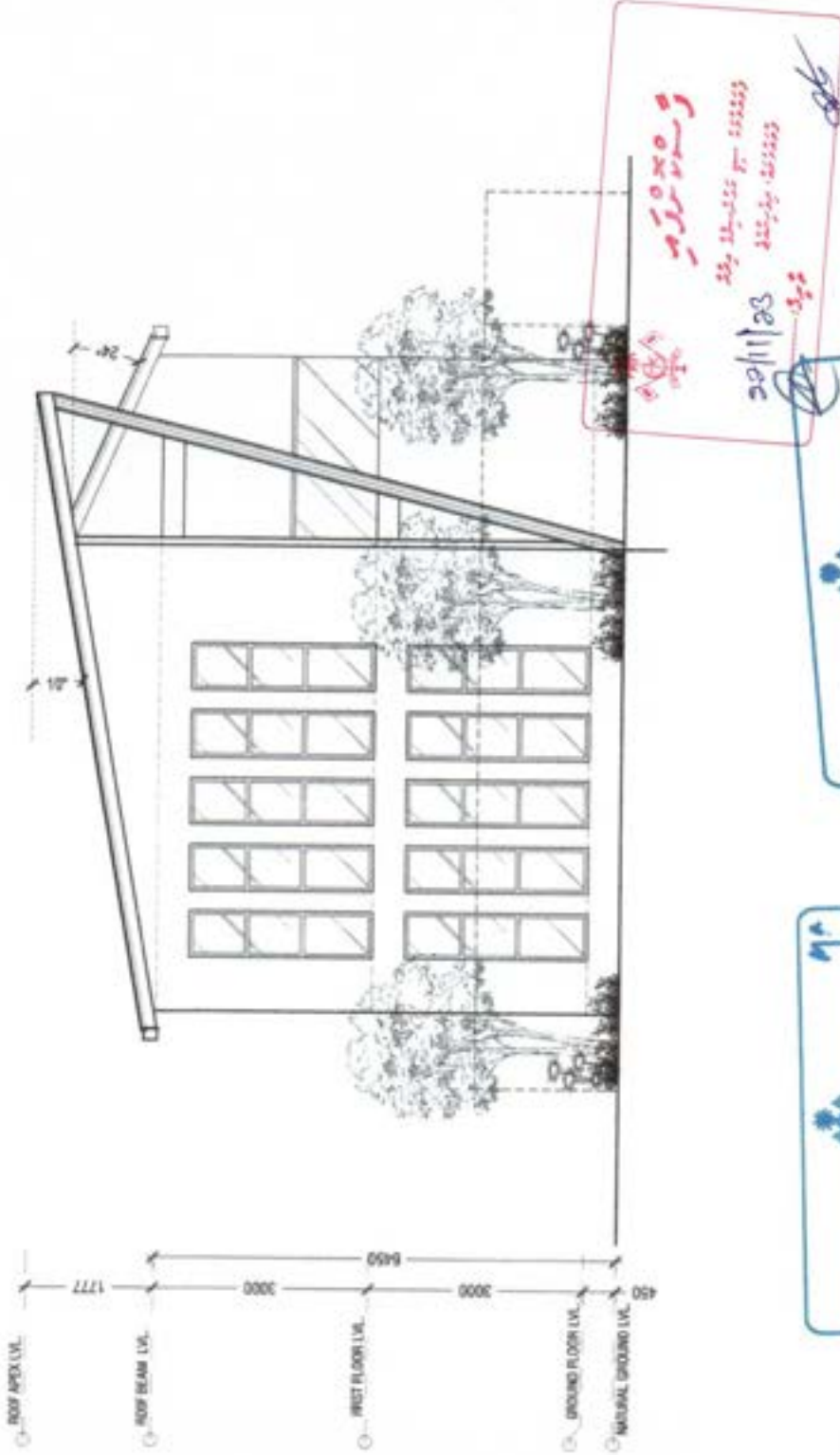




Email: info.etsarch@gmail.com
 Contact: 7604174 / 9905543

CLIENT:	FUVAHMAULAH CITY COUNCIL
PROJECT:	WOMEN'S COMMITTEE BUILDING GN. FUVAHMAULAH CITY
LICENSED ARCHITECT:	AFFAN AHMED
ARCHITECTURAL CHECKER:	AHUSAN ABDUL MUHSIN
STRUCTURAL ENGINEER:	ZIAMAAM HASSAN YOOSUF
STRUCTURAL CHECKER:	MOHAMED MUTHTHALIB WALEED
SCALE:	AS GIVEN
DRAWING TITLE:	AS GIVEN
DATE:	02/01/23
REVISION NO.:	00
FILE NAME:	ROUACHOORINGJECTUREMENTAL WOMEN COMMITTEE BUILDING
WARNING:	The drawing and all the work for construction must be done in accordance with the standards and specifications of building works in the state including any work in progress and any other relevant regulations. The drawing is to be used in accordance with the standards and specifications of building works in the state and shall not be used for any other purpose without the consent of the architect.

A05



Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
 Name: Mohamed Muththab Waleed WALIEDY 23.08.23 - 11.08.28
 Accredited No: BPR2023042A1 A1-2023-042-001

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
 Name: Ahusan Abdul Muhsein MUHSINY 23.08.23 - 18.12.24
 Accredited No: BPR2023056B1 B1-2023-056-001

MT ELEVATION
 - 1/300





Email: info@idearch@gmail.com
 Contact: 7604174 / 9905543

CLIENT:

FUVAHMAULAH CITY COUNCIL

PROJECT:

WOMEN'S COMMITTEE BUILDING GN. FUVAHMAULAH CITY

LICENSED ARCHITECT:

AFFAN AHMED

ARCHITECTURAL CHECKER:

AHUSAN ABDUL MUHSIN

STRUCTURAL ENGINEER:

ZIAMAAM HASSAN YOOSUF

STRUCTURAL CHECKER:

MOHAMED MUTHTHALIB WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

DATE: 02/08/2023

REVISION NO.: 00

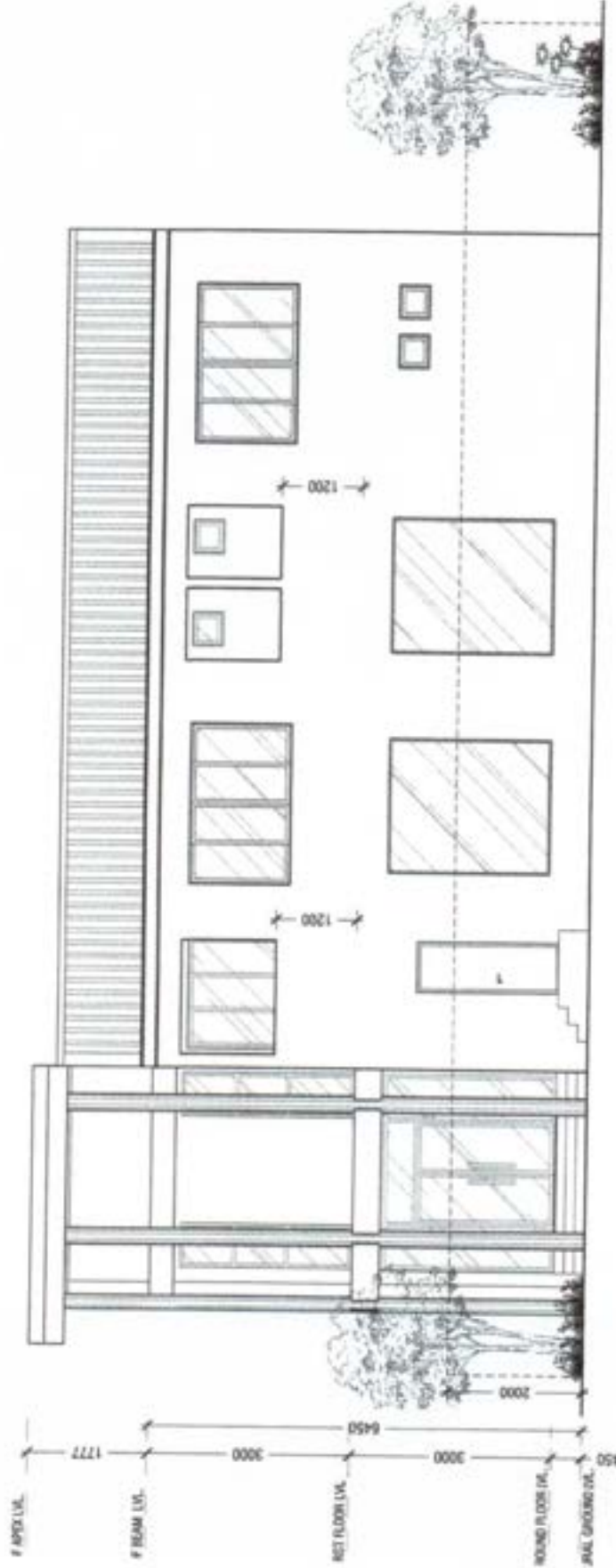
FILE NAME:

RESEARCHPROJECT\RESIDENTIAL\WOMEN COMMITTEE BUILDING

WARNING:

- This drawing shall not be used for construction.
- Construction is to be carried out in accordance with the approved drawings and specifications.
- The contractor is to be held responsible for any variation in the work.
- The architect is not responsible for any damage to the building or its contents.
- The architect is not responsible for any delay in the completion of the building.

A06





 2023/08/02
 2023/08/02
 2023/08/02



 Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
 Name: Ahusan Abdul Muhsein VALUARY: 23.08.23 - 18.12.26
 Accredited No: BPP0202040A1 91-9233-600-001



 Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
 Name: Mohamed Muththalib Waleed VALUARY: 23.08.23 - 11.08.28
 Accredited No: BPP0202040A1 A1-2023-600-001

VATION E2
 - 1/100




Email: info.esearch@gmail.com
 Contact: 7604174 / 9905543

CLIENT:
 FUVAHMAULAH CITY COUNCIL

PROJECT:
 WOMEN'S COMMITTEE BUILDING
 CN. FUVAHMAULAH CITY

LICENSED ARCHITECT:
 AFFAN AHMED

ARCHITECTURAL CHECKER:
 AHUSAN ABDUL MUHSIN

STRUCTURAL ENGINEER:
 ZIAMAAM HASSAN
 YOOSUF

STRUCTURAL CHECKER:
 MOHAMED MUTHALIB
 WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

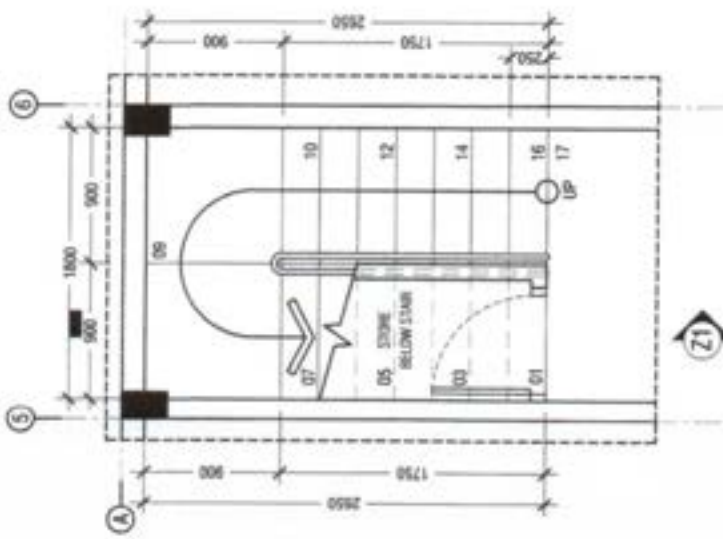
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REVISION NO.: 00

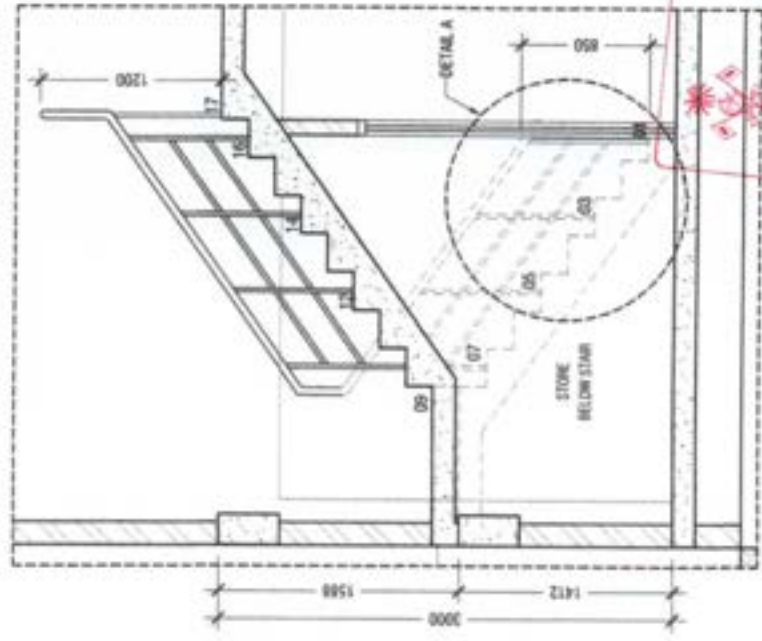
FILE NAME:
 (ARCH)033PROJECTS/RESIDENTIAL/
 WOMEN COMMITTEE BUILDING

WARNING:
 - This drawing shall not be used for construction without the approval of the relevant authorities.
 - The contractor shall be responsible for any errors or omissions in the work.
 - The drawing is to be used in conjunction with the specifications and conditions of contract.
 - The drawing is not to be used for any other purpose without the written consent of the architect.
 - The drawing is not to be used for any other purpose without the written consent of the architect.

A07



STAIR PLAN VIEW
 SCALE = 1:50



SECTION Z1
 SCALE = 1:50

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

STRUCTURAL CHECKER A1

Name: Mohamed Muthalib Waleed WUJIBY 21.08.20 - 11.08.20
 Accredited No: BPPC012042A1 A1-2023-02-091

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

ARCHITECTURAL CHECKER B1

Name: Ahusan Abdul Muhsein WUJIBY 21.08.20 - 10.12.20
 Accredited No: BPPC020068B1 B1-2023-02-091

TAIR DETAILS
 A1 - 1:50



CLIENT:
FUVAHMAULAH CITY COUNCIL

PROJECT:
WOMEN'S COMMITTEE BUILDING GN. FUVAHMAULAH CITY

LOBBED ARCHITECT:
AFFAN AHMED

ARCHITECTURAL ORDERER:
AHUSAN ABDUL MUHSIN

STRUCTURAL ENGINEER:
ZIMAAM HASSAN YOUSUF

STRUCTURAL CHECKER:
MOHAMED MUTHTHALIB WALLEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

DATE: 02/08/2023

REVISION NO.: 00

FILE NAME:
PDR020230042A1
WOMEN COMMITTEE BUILDING

WARNING:
This drawing shall not be used for construction unless it is accompanied by the following:
- Certificate of approval of the relevant authority.
- The drawing is to be used in conjunction with the contract documents.
- The drawing is to be used in conjunction with the contract documents.
- The drawing is to be used in conjunction with the contract documents.

A10

GROUND FLOOR

ROOM/SPACE (NAME)	ROOM/SPACE (AREA/MP)	PROVIDED OPENING (TAG)	REQUIRED OPENING (AREA/MP)	PROVIDED OPENING (AREA/MP)
RECP. & LOBBY	15.34	05	1.334	3.07
SOUND ROOM	4.12	MECH. VENT.	MECH. VENT.	MECH. VENT.
HALL 1	26.43	MECH. VENT.	MECH. VENT.	MECH. VENT.
HALL 2	26.43	MECH. VENT.	MECH. VENT.	MECH. VENT.
GOODRN	8.38	MECH. VENT.	MECH. VENT.	MECH. VENT.

NOTE: ALL TOILETS ARE MECHANICALLY VENTILATED

FIRST FLOOR

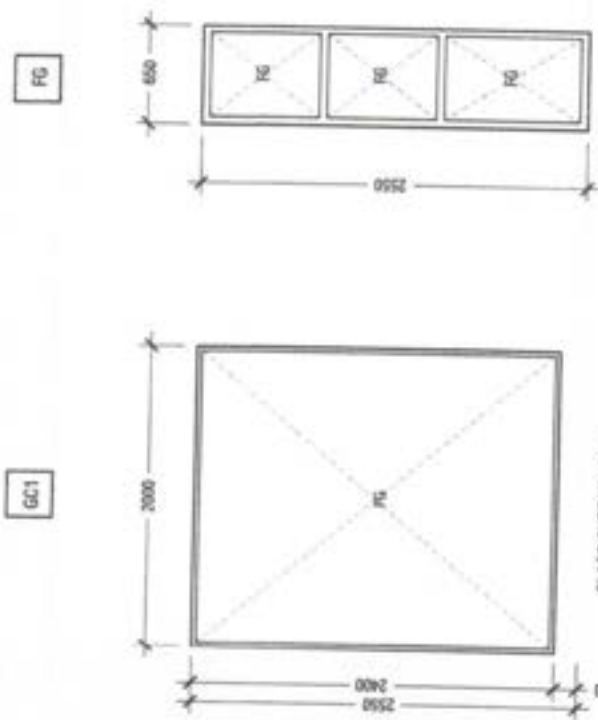
ROOM/SPACE (NAME)	ROOM/SPACE (AREA/MP)	PROVIDED OPENING (TAG)	REQUIRED OPENING (AREA/MP)	PROVIDED OPENING (AREA/MP)
LIVING-PANTRY	19.21	SW1	1.921	2.54
BEDROOM-1	13.39	SW1	1.339	1.89
BEDROOM-2	13.39	SW1	1.339	1.89
BEDROOM-3	13.39	SW1	1.339	1.89
BEDROOM-4	13.39	SW1	1.339	1.89

NOTE: ALL TOILETS ARE MECHANICALLY VENTILATED

VENTILATION SCHEDULE

SCALE - N:1.5

DOOR LABEL



REL

DESCRIPTION

RELATED AREA(MP)

NOTE:

- T-TIMBER
- G-GLASS
- TD-TIMBERED GLASS
- TL-TIMBER LOUVERED
- GL-GLASS LOUVERED
- AL-ALUMINIUM LOUVERED
- A-ALUMINIUM
- PVC-PLASTIC
- S.S- STAINLESS STEEL
- FB-FIBER BOARD
- FA-FIBER GLASS

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

STRUCTURAL CHECKER A1

Name: Mohamed Muththaliib Walleed VALUITY 23.08.23 - 15.12.24
Accredited No: BPR020230042A1 A1-2023-942-081

DOOR WINDOW AND VENTILATION SCHEDULE

SCALE - 1:50



Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

ARCHITECTURAL CHECKER B1

Name: Ahusan Abdul Muhsein VALUITY 23.08.23 - 15.12.24
Accredited No: BPR02023005081 01-2023-688-081

CLIENT:
FUVAHMAULAH CITY
COUNCIL

PROJECT:
WOMEN'S
COMMITTEE BUILDING
GN. FUVAHMAULAH CITY

LICENSED ARCHITECT:
AFFAN AHMED

ARCHITECTURAL CHECKER:
AHUSAN ABDUL MUHSIN

STRUCTURAL ENGINEER:
ZINAM HASSAN
YOOSUF

STRUCTURAL CHECKER:
MOHAMED MUTHTHALIB
WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

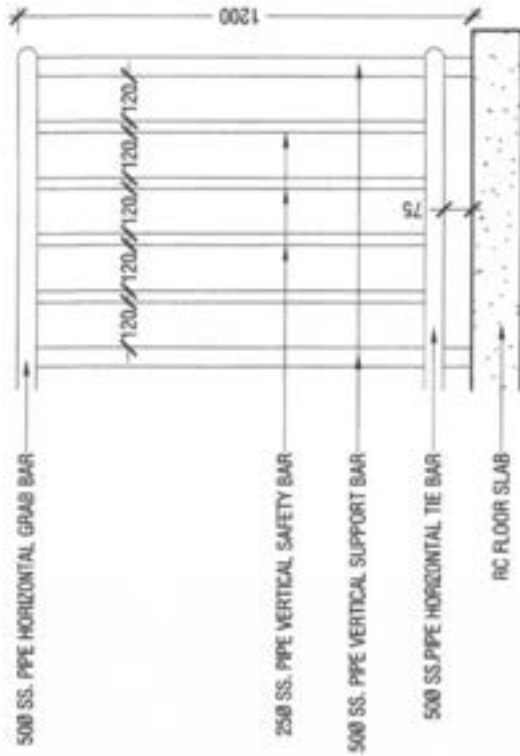
DATE COMPLETED

REVISION NO.: 00

FILE NAME:
RESEARCHPROJECTS/RESENTALU
WOMEN COMMITTEE BUILDING

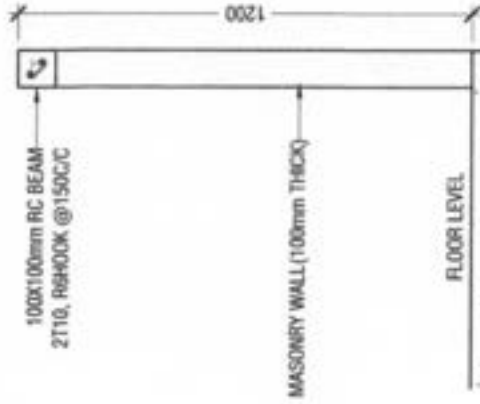
WARNING:
- The drawing shall not be used for construction
without the approval of the authority.
- The drawing is the property of IDEARCH and shall not be
reproduced or used in any form without the written
consent of IDEARCH.
- The drawing is to be used in conjunction with
the specifications and contract documents.
- No liability shall be accepted for any error or
omission in the drawing.

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
Name: Mohamed Muththolib Waleed | WALIYATI 23.03.20 - 11.04.24
Accredited No: BPPC2023042A1 | A1-2023-608-001



1.2m S.S RAILING DETAIL
SCALE = 1:20

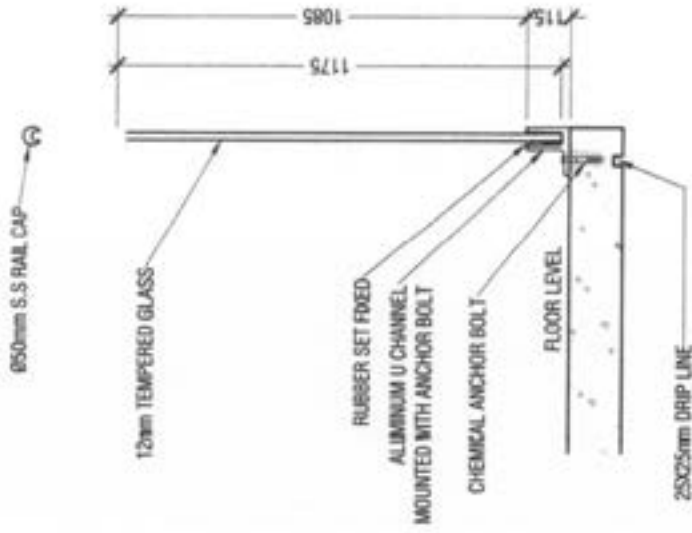
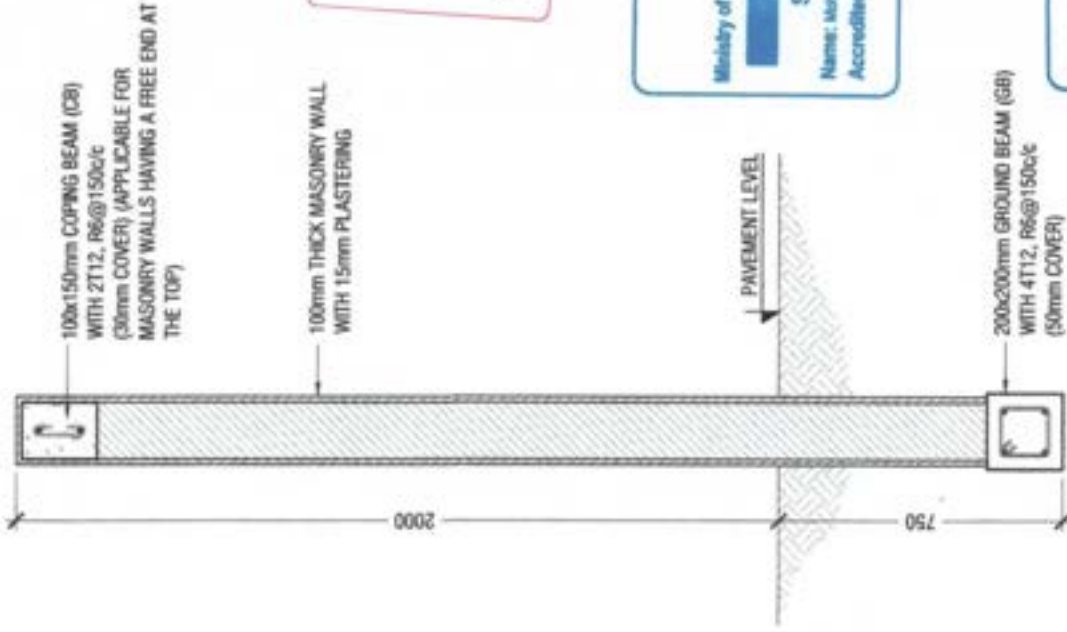
Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
Name: Ahusan Abdul Muhasin | WALIYATI 23.03.20 - 18.03.24
Accredited No: BPPC2023055B1 | B1-2023-608-001



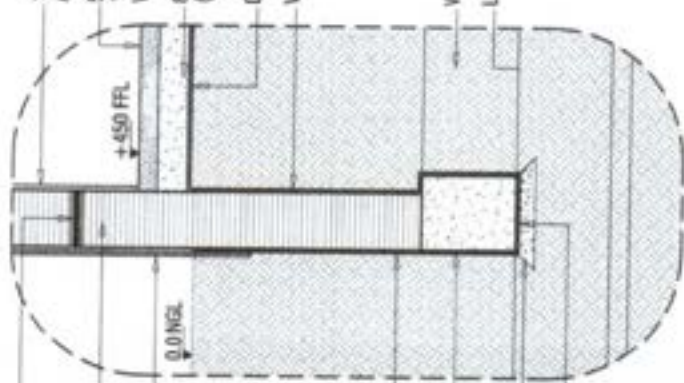
1.2m WALL DETAIL
SCALE = 1:20

22/11/23
55-55-555 R-555555
55-55-555 R-555555
55-55-555 R-555555

CLIENT:	FUVAHMAULAH CITY COUNCIL
PROJECT:	WOMEN'S COMMITTEE BUILDING GN. FUVAHMULAH CITY
LICENSED ARCHITECT:	AFFAN AHMED
ARCHITECTURAL CHECKER:	AHUSAN ABDUL MUHUSIN
STRUCTURAL ENGINEER:	ZIYAAD HASSAN YOUSUF
STRUCTURAL CHECKER:	MOHAMED MUTHALIB WALEED
SCALE:	AS GIVEN
DRAWING TITLE:	AS GIVEN
DATE COMPLETED:	
REVISION NO. 00	
FILE NAME:	ADGAN000000PROJECTSIDENTIFICAL WOMEN COMMITTEE BUILDING
WARNING:	<p>The drawing shall not be used for construction or any other purpose without the approval of the architect. Any alteration or modification to the drawing shall be made in writing and signed by the architect. The drawing is to be used in conjunction with the specifications and conditions of contract. The drawing and specifications shall be read in conjunction with the contract documents for full details of the work to be done.</p>

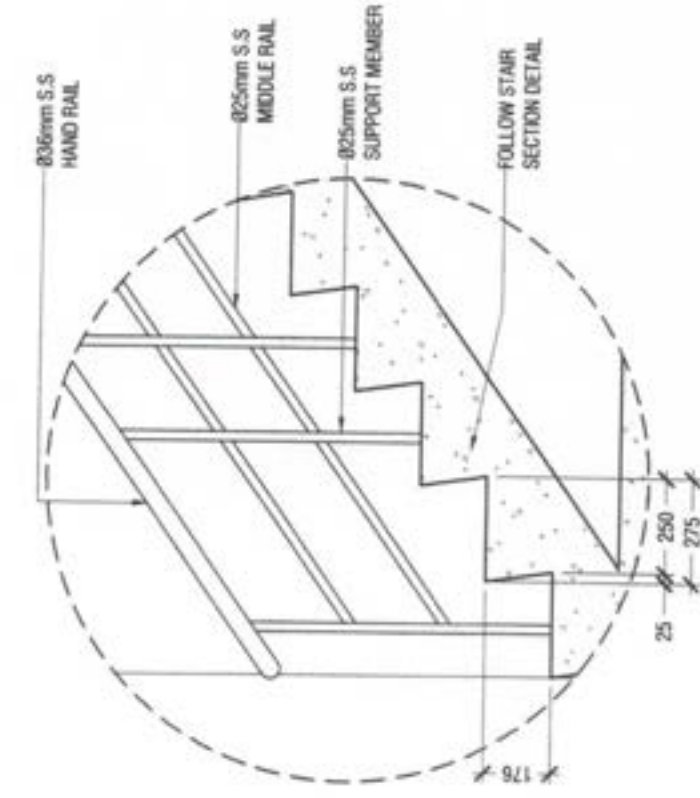


MINIUS FELT DPC
 XURSE ABOVE FLOOR LEVEL)
 mm THK.
 D BLOCK WALL
 M PLASTERING ON 100 MM
 K SOLID BLOCK WALL
 AM 1ST COAT (10MM
 COAT)



PERIMETER WALL BASE
 SCALE = 1:20

13MM PLASTERING ON
 ALL INTERNAL SURFACES
 50MM THICK SCREED
 1:5 CEMENT TO SAND MIXED
 WITH RHIOFIBER (OR EQUIVALENT)
 80MM THICK GROUND SLAB
 (REFER TO GROUND SLAB PLAN)
 DAMPPROOFING MEMBRANE
 WATERPROOFING MEMBRANE

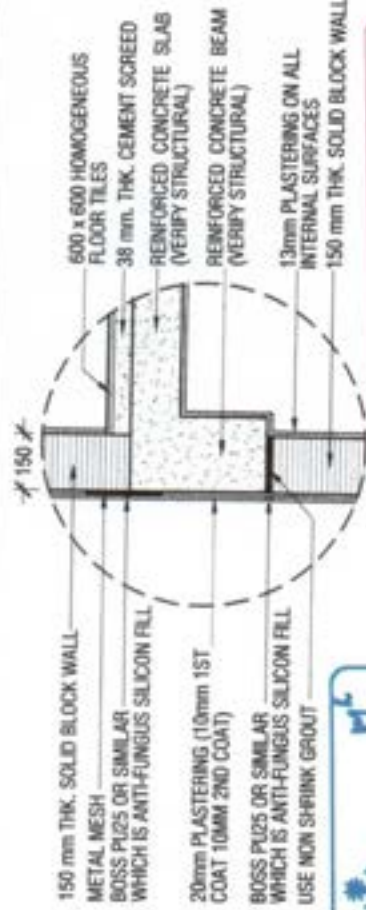


DETAIL A
 SCALE = 1:20

EIDEARCH
 Email: info@eidearch.com
 Contact: 75041174 / 9960543

CLIENT:	FUVAHMAULAH CITY COUNCIL
PROJECT:	WOMEN'S COMMITTEE BUILDING GN. FUVAHMAULAH CITY
LICENSED ARCHITECT:	AFFAN AHMED
ARCHITECTURAL CHECKER:	AHUSAN ABDUL MUHSIN
STRUCTURAL ENGINEER:	ZIAMAAM HASSAN YOUSUF
STRUCTURAL CHECKER:	MOHAMED MUTHTHALIB WALEED
SCALE:	AS GIVEN
DRAWING TITLE:	AS GIVEN
DATE:	03/04/2023
REVISION NO.:	00
FILE NAME:	
PROJECT/CLIENT/PROJECT/IDENTITY/WORKS COMMITTEE BUILDING	
REMARKS:	The drawing shall be used for construction work only. It is not to be used for any other purpose. The drawing is not to be used for any other purpose. The drawing is not to be used for any other purpose.

A13

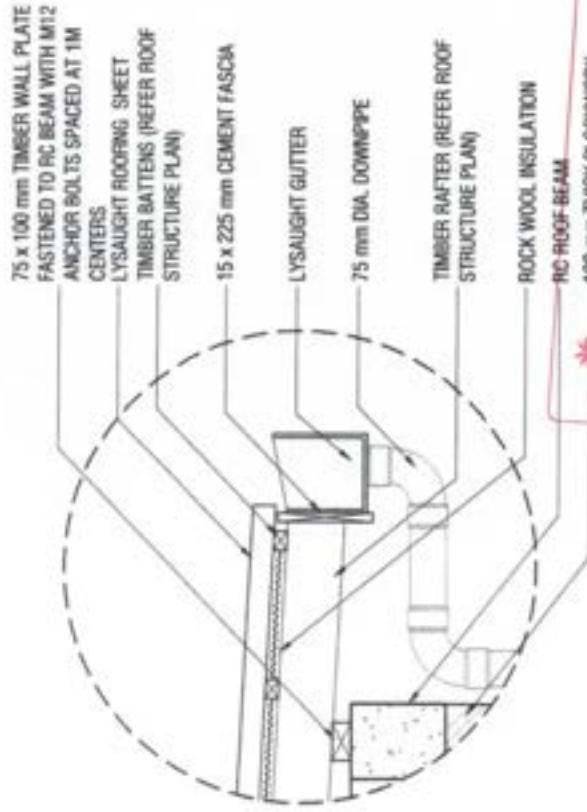


Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
 Name: Nhusan Abdul Muhsin
 Accredited No: BPR202306081
 01-2023-024-081

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
 Name: Mohamed Muththelb Waleed
 Accredited No: BPR2023042A1
 01-2023-042-081

Handwritten notes and signatures in Arabic, including a date of 22/1/23 and a signature.

CLIENT:	FUVAHMALULAH CITY COUNCIL
PROJECT:	WOMEN'S COMMITTEE BUILDING G.N. FUVAHMALULAH CITY
LICENCED ARCHITECT:	AFFAN AHMED
ARCHITECTURAL CHECKER:	AHUSAN ABDUL MUHUSIN
STRUCTURAL ENGINEER:	ZIMAAM HASSAN YOUSUF
STRUCTURAL CHECKER:	MOHAMED MUTHTHALIB WALEED
SCALE:	AS GIVEN
DRAWING TITLE:	AS GIVEN
DATE:	COMPLETED
REVISION NO.:	00
FILE NAME:	IDEARCH\PROJECTS\COMMITTEE\WOMEN COMMITTEE BUILDING
WARNING:	The drawing shall not be used for construction without the approval of the Engineer of Public Works, Ministry of Planning, Housing & Infrastructure. The drawing is to be used in accordance with the specifications and standards of the Ministry of Planning, Housing & Infrastructure. The drawing is to be used for construction of the building only.



ROOF EAVES DETAIL
SCALE = 1:20

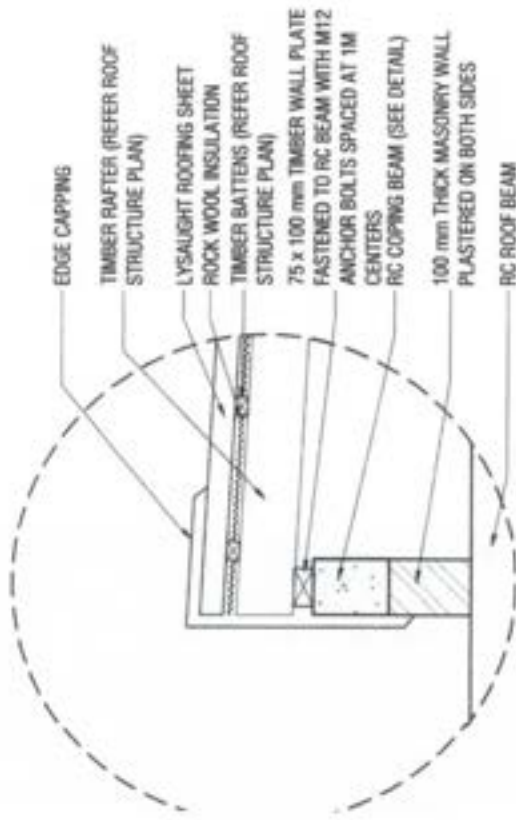
22/11/23
 22-11-23
 22-11-23
 22-11-23

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

STRUCTURAL CHECKER A1

Name: Mohamed Muhsen Waleed WALIED 23.08.20 - 18.08.20
Accredited No: BPR2020042A1 A1-2023-040-001



ROOF EDGE DETAIL
SCALE = 1:20

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

ARCHITECTURAL CHECKER B1

Name: Ahusan Abdul Muhusin 23.08.20 - 18.08.20
Accredited No: BPR2020050B1 B1-2023-050-001



Email: info@idearch.com
Contact: 7004174 / 9905543

CLIENT:

FUVAHMAULAH CITY COUNCIL

PROJECT:

WOMEN'S COMMITTEE BUILDING
GN. FUVAHMAULAH CITY

LICENSED ARCHITECT:

AFFAN AHMED

ARCHITECTURAL CHECKER:

AHUSAN ABDUL MURHUSIN

STRUCTURAL ENGINEER:

ZAMAAM HASSAN
YOOSUF

STRUCTURAL CHECKER:

MOHAMED MUTHTHALIB
WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

DATE: 02/04/23

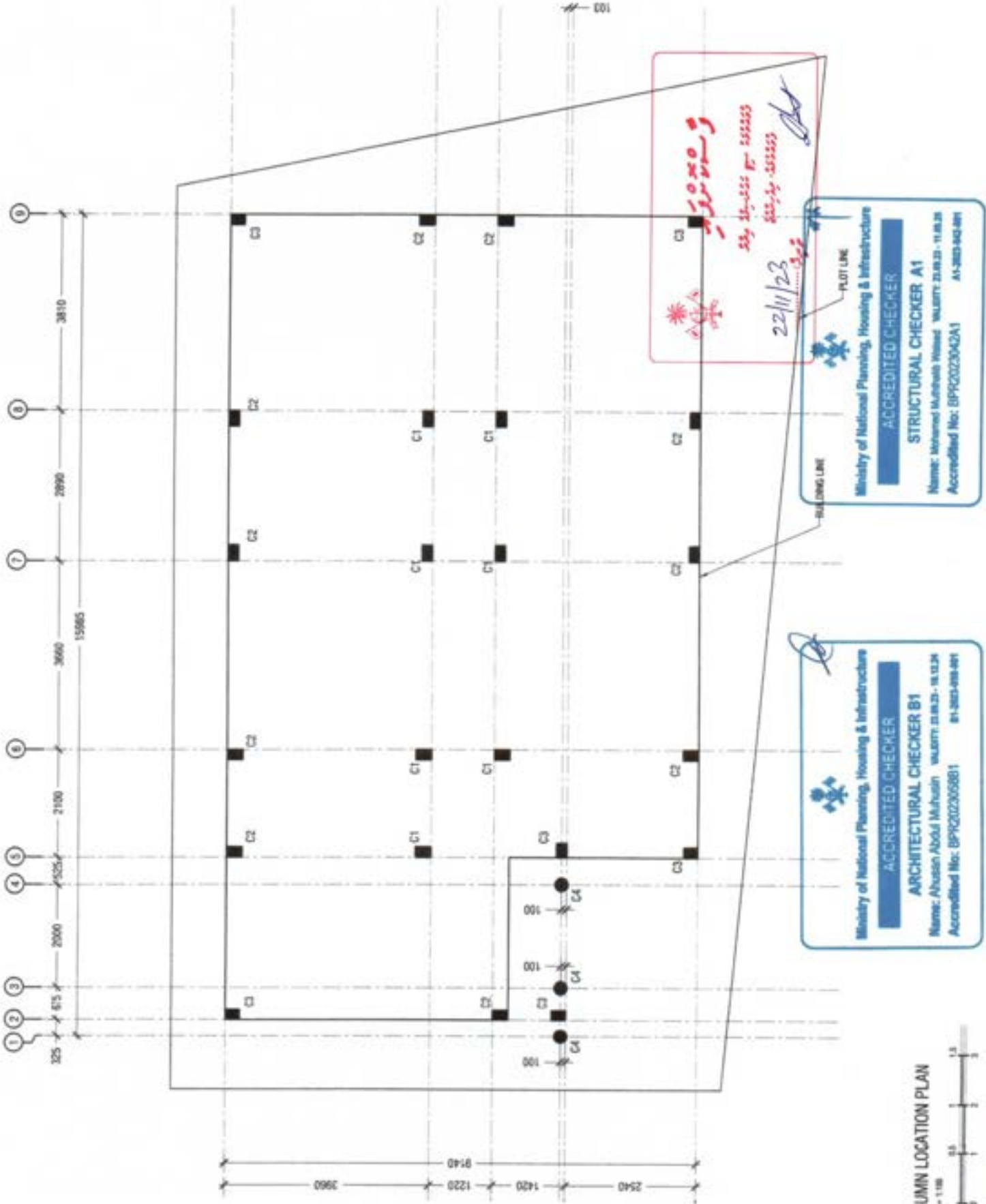
REVISION NO.: 00

FILE NAME:

RESEARCH/PROJECTS/RESIDENTIAL/
WOMEN COMMITTEE BUILDING

WARNING:
- The drawing shall not be used for construction without the approval of the client.
- The drawing is to be used for construction with the approval of the client.
- The drawing is to be used for construction with the approval of the client.
- The drawing is to be used for construction with the approval of the client.
- The drawing is to be used for construction with the approval of the client.

S02



JMIN LOCATION PLAN

- 1/100

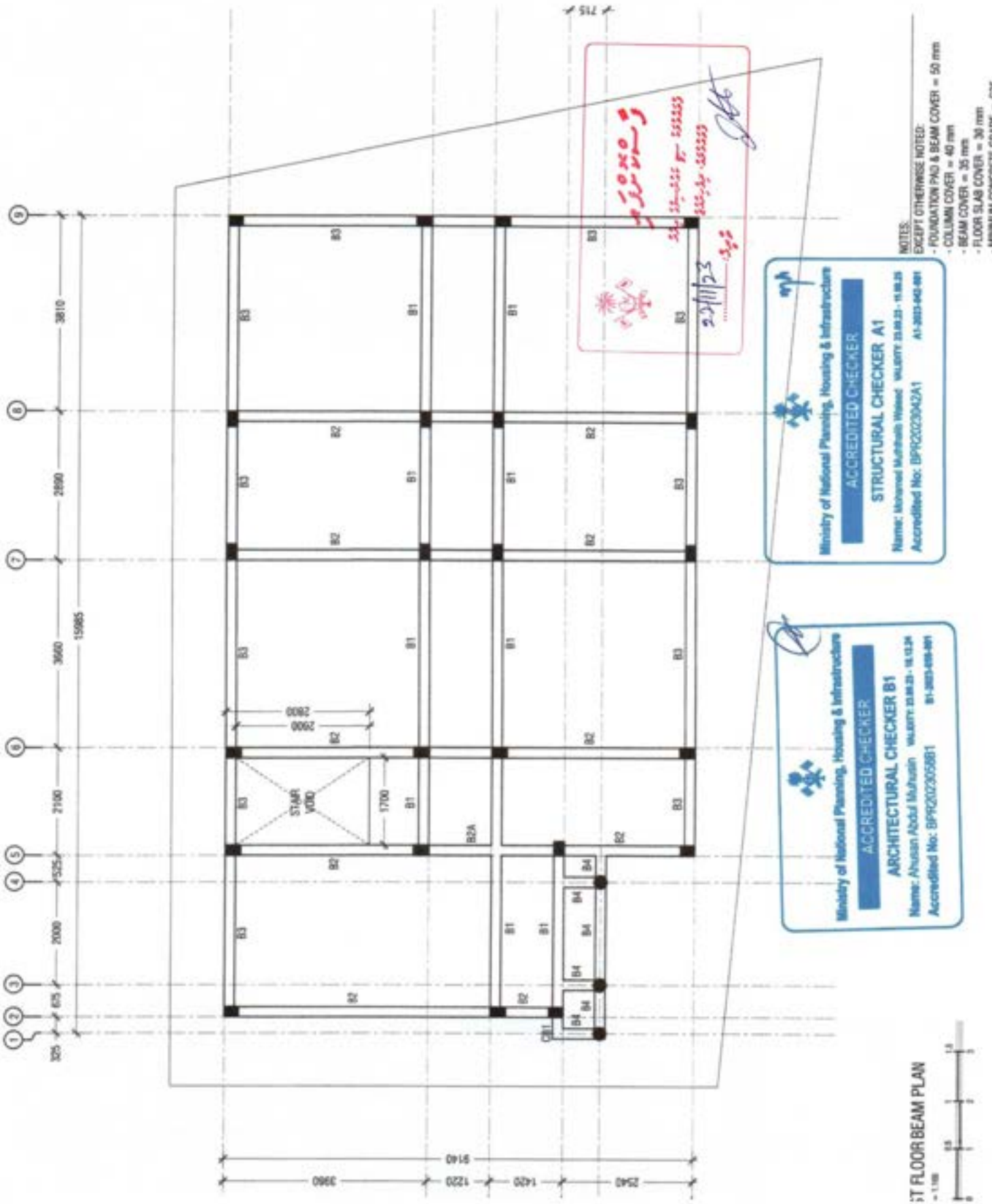




Email: info.idearch@gmail.com
 Contact: 7604174 / 9905543

CLIENT:	FUVAHMAULAH CITY COUNCIL
PROJECT:	WOMEN'S COMMITTEE BUILDING GN. FUVAHMAULAH CITY
LICENSED ARCHITECT:	AFFAN AHMED
ARCHITECTURAL CHECKER:	AHUSAN ABDUL MUHSIN
STRUCTURAL ENGINEER:	ZIAMAAM HASSAN YOOSUF
STRUCTURAL CHECKER:	MOHAMED MUTHALIB WALEED
SCALE:	AS GIVEN
DRAWING TITLE:	AS GIVEN
DATE:	03/07/23
REVISION NO.:	00
FILE NAME:	RESEARCHPROJECTS\BENEFICIAL WOMEN COMMITTEE BUILDING
WARNING:	- The drawing shall not be used for construction without approval. - The drawing is only a description of existing conditions and does not guarantee the accuracy of any information. - The drawing is for reference only and shall not be used for construction without approval. - The drawing is not valid if it is used for any other purpose. - The drawing is not valid if it is used for any other purpose.

S03



Handwritten notes in Arabic and English, including a signature and date: 23/11/23. The notes mention 'مراجعة' (review) and 'موافق' (approved).

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

STRUCTURAL CHECKER A1

Name: Mohamed Muthalib Waleed WALIDY 23.03.21 - 11.04.23
 Accredited No: BPPC020042A1 A1-2023-402-081

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

ARCHITECTURAL CHECKER B1

Name: Ahusan Abdul Muhsin WALIDY 23.03.21 - 18.03.24
 Accredited No: BPPC02005981 B1-2023-088-081

- NOTES:
- EXCEPT OTHERWISE NOTED:
 - FOUNDATION PAD & BEAM COVER = 50 mm
 - COLUMN COVER = 40 mm
 - BEAM COVER = 35 mm
 - FLOOR SLAB COVER = 30 mm
 - MINIMUM CONCRETE GRADE = C25

1: FLOOR BEAM PLAN
 - 1:100



Email: info.eidearch@gmail.com
Contact: 7604174 / 99055643

CLIENT:

FUVAHMAULAH CITY COUNCIL

PROJECT:

WOMEN'S COMMITTEE BUILDING
GN. FUVAHMAULAH CITY

LICENSED ARCHITECT

AFFAN AHMED

ARCHITECTURAL CHECKER

AHUSAN ABDUL MUHSIN

STRUCTURAL ENGINEER

ZINAM HASSAN
YOOSUF

STRUCTURAL CHECKER

MOHAMMED MUTHALIB
WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

DATE COMPILED:

REVISION NO. 00

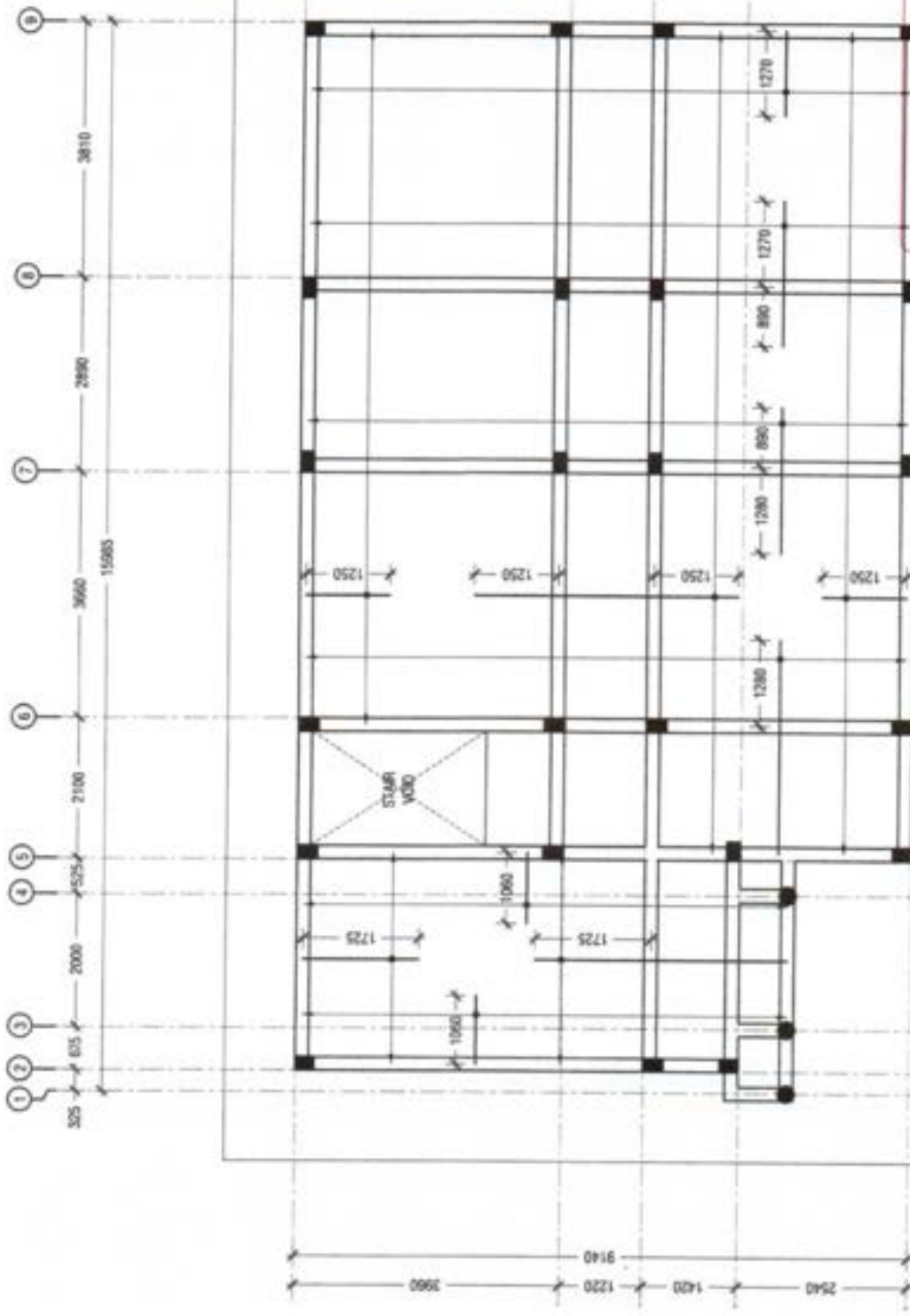
FILE NAME:

RESEARCHPROJECTS\RESEARCH\WOMEN COMMITTEE BUILDING

WARNING:
- The drawing shall not be used for construction without the approval of the Engineer of Works.
- The drawing is valid in accordance with the provisions of the Building Code of Practice, 2006, and the Building Code of Practice, 2006, and the Building Code of Practice, 2006.
- The drawing is not valid for construction without the approval of the Engineer of Works.
- The drawing is not valid for construction without the approval of the Engineer of Works.
- The drawing is not valid for construction without the approval of the Engineer of Works.

S04

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
Name: Mohamed Mervan Mohamed | License No: 20623 - 11628
Accredited No: BPPC2023062A1 | A1-2023-06281



22/11/23
23-25-255 F- 55555
225-24- 55555
3-3-3

- NOTE:
- SLAB THICKNESS 140MM
 - T10@150 C/C RW, BOTTOM BARS (NOT SHOWN)
 - UNLESS MENTIONED OTHERWISE T10@150 C/C RW, TOP BARS (AS SHOWN)
 - TOP DISTRIBUTION BARS, T10@300 C/C
 - REINFORCEMENT DISCONTINUOUS OVER THE VOIDS
 - COVER TO SLAB 30MM

- NOTES:
EXCEPT OTHERWISE NOTED:
- FOUNDATION PAD & BEAM COVER = 50 mm
 - COLUMN COVER = 40 mm
 - BEAM COVER = 35 mm
 - FLOOR SLAB COVER = 30 mm
 - MINIMUM CONCRETE GRADE = C25

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
Name: Ahusan Abdul Muhsin | License No: 20623 - 11628
Accredited No: BPPC2023056B1 | B1-2023-056481

1ST FLOOR SLAB REINFORCEMENT PLAN
= 1:100



Email: info@idearch@gmail.com
 Contact: 7604174 / 99055443

CLIENT:
 FUVAHMAULAH CITY COUNCIL

PROJECT:
 WOMEN'S COMMITTEE BUILDING
 GN. FUVAHMAULAH CITY

LICENSED ARCHITECT:
 AFFAN AHMED

ARCHITECTURAL CHECKER:
 AHUSAN ABDUL MUHSIN

STRUCTURAL ENGINEER:
 ZIAMAAM HASSAN
 YOOUSUF

STRUCTURAL CHECKER:
 MOHAMED MUTHALIB
 WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

DATE: 02/01/23

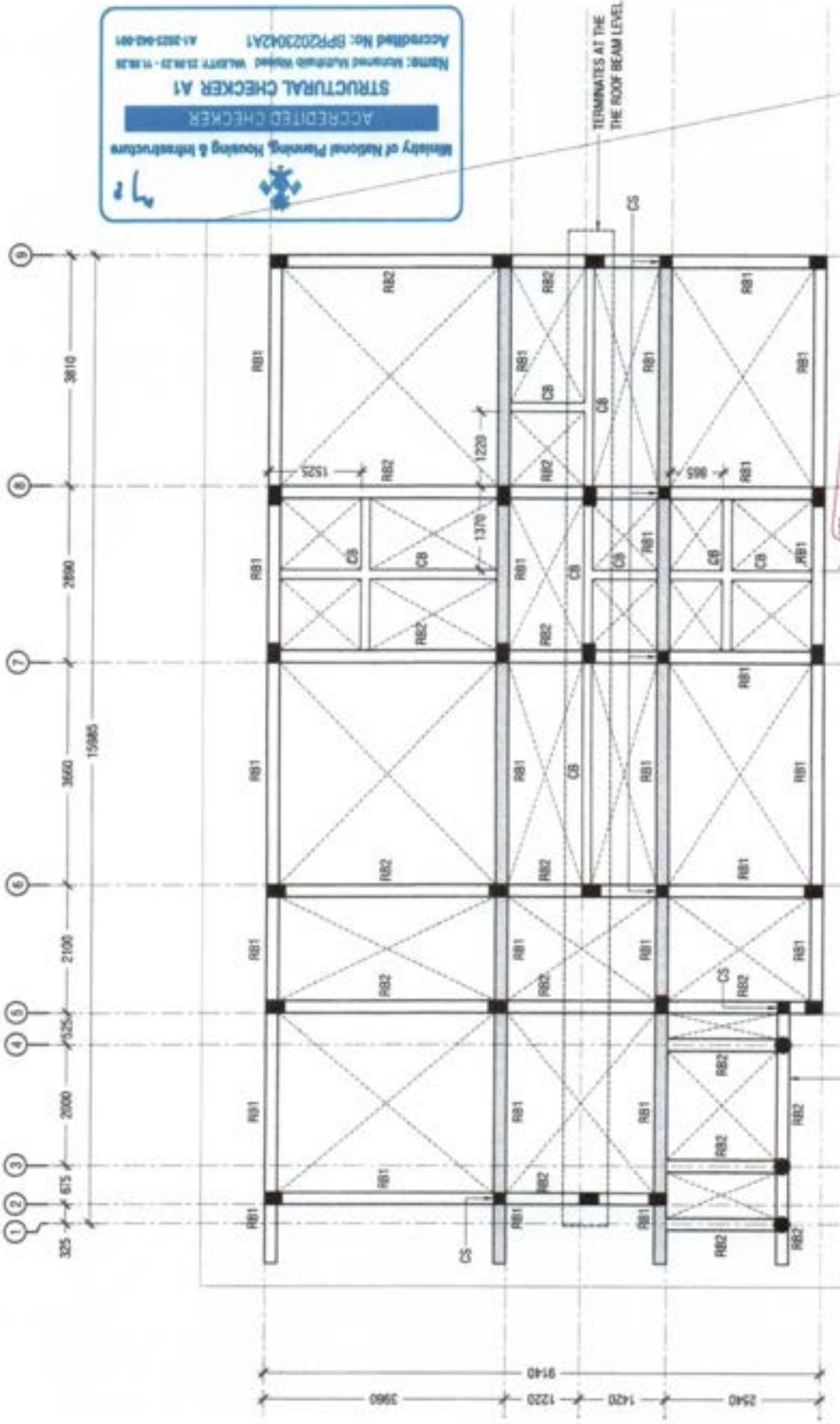
REVISION NO.: 00

FILE NAME:
 2022020508B1 POWER COMPLETE BUILDING

WARNING:
 - The drawing shall not be used for construction without approval.
 - Changes to any of the dimensions of any part of the structure shall be made only by written instructions.
 - The drawing shall be used for construction only after the approval of the relevant authority.
 - The drawing shall be used for construction only after the approval of the relevant authority.
 - The drawing shall be used for construction only after the approval of the relevant authority.

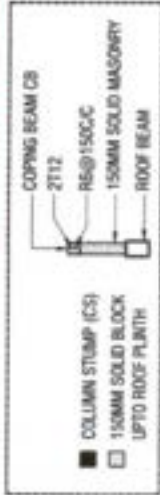
S05

Ministry of National Planning, Housing & Infrastructure
 ACCREDITED CHECKER
 STRUCTURAL CHECKER A1
 Name: Mohamed Muthalib Waleed
 Accredited No: BPP2023042A1
 A1-2023-042-001



Handwritten notes in Arabic and English:
 22/1/23
 55, 52, 555 R- 552225
 555, 52, 555 R- 552225
 555, 52, 555 R- 552225

- NOTES:
 EXCEPT OTHERWISE NOTED:
 - FOUNDATION PAD & BEAM COVER = 50 mm
 - COLUMN COVER = 40 mm
 - BEAM COVER = 35 mm
 - FLOOR SLAB COVER = 30 mm
 - MINIMUM CONCRETE GRADE = C25



Ministry of National Planning, Housing & Infrastructure
 ACCREDITED CHECKER
 ARCHITECTURAL CHECKER B1
 Name: Ahusan Abdul Muhsin
 Accredited No: BPP20200508B1
 A1-2020-050-001





Email: info@esearch.com
Contact: 7664174 / 9905543

CLIENT:
FUVAHMAULAH CITY
COUNCIL

PROJECT:
WOMEN'S
COMMITTEE BUILDING
GN. FUVAHMAULAH CITY

LICENSED ARCHITECT:
AFFAN AHMED

ARCHITECTURAL CHECKER:
AHUSAN ABOL MUHSIN

STRUCTURAL ENGINEER:
ZAMAAM HASSAN
YOOSUF

STRUCTURAL CHECKER:
MOHAMED MUTHALIB
WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

DATE: DRAFTED

REVISION NO. 06

FILE NAME:
P04040303PROJECTRESIDENTIAL
WOMEN COMMITTEE BUILDING

WARNING:

- The drawing shall not be used for construction without the approval of the Engineer of Works, Ministry of Public Works and Urban Planning and Construction.
- The drawing is to be used in conjunction with the specifications and conditions of contract.
- The drawing shall not be used for any other purpose without the approval of the Engineer of Works, Ministry of Public Works and Urban Planning and Construction.

S06

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

STRUCTURAL CHECKER A1

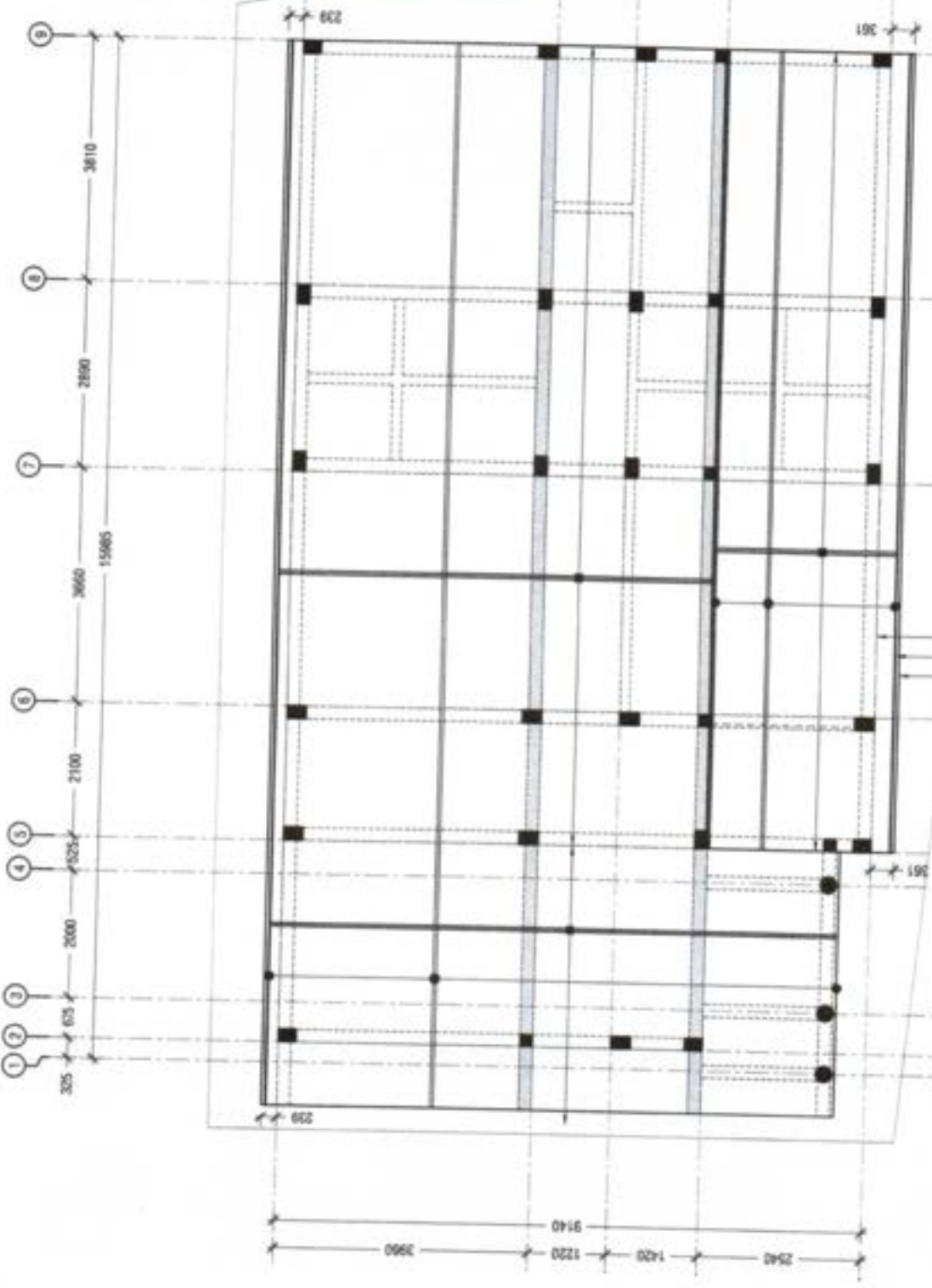
Name: Mohamed Muthalib Waleed NUMBER: 25.09.23 - 11.09.25
Accredited No: BPPC02300261 A1-2023-004-001

NOTE:

- ALL HP AND VALLEY RAFTERS ARE 70X50mm
- FASCIA BOARDS ARE 150X25mm CEMENT BOARD

LEGENDS:

- 100X50mm TIMBER PURLINS @ 800CC
- 50X150mm TIMBER RAFTERS @ 610CC



Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

ARCHITECTURAL CHECKER B1

Name: Ahusan Abol Muhsin NUMBER: 25.09.23 - 18.12.24
Accredited No: BPPC02300081 B1-2023-008-001

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

ARCHITECTURAL CHECKER B1

Name: Ahusan Abol Muhsin NUMBER: 25.09.23 - 18.12.24
Accredited No: BPPC02300081 B1-2023-008-001

IF STRUCTURE PLAN

- 1:50



Email: info.idearch@gmail.com
Contact: 7604174 / 99055543

CLIENT:
FUVAHMAULAH CITY
COUNCIL

PROJECT:
WOMEN'S
COMMITTEE BUILDING
GN. FUVAHMAULAH CITY

LICENSED ARCHITECT
AFFAN AHMED

ARCHITECTURAL CHECKER:
AHUSAN ABDUL MUHUSIN

STRUCTURAL ENGINEER:
ZAMAAM HASSAN
YOOSUF

STRUCTURAL CHECKER:
MOHAMED MUTHTHALIB
WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

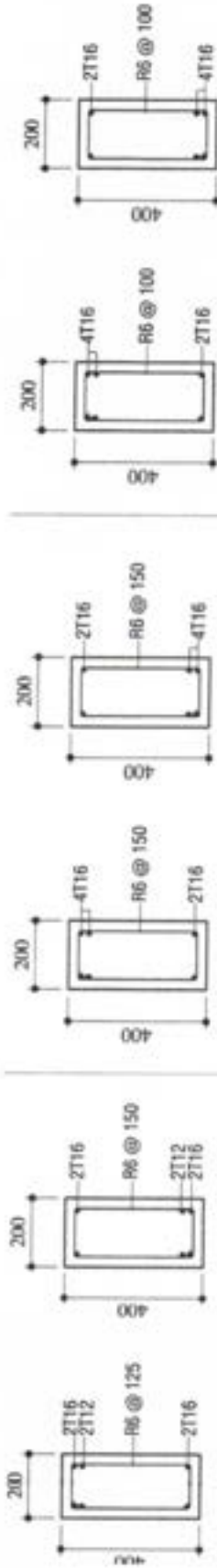
DATE: 02/04/23

REVISION NO.: 05

FILE NAME:
RESEARCH\PROJECTS\RESEARCH\WOMEN COMMITTEE BUILDING

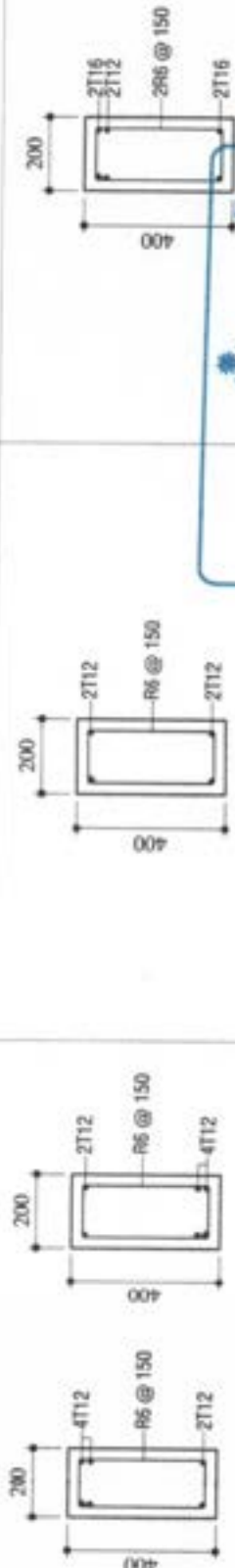
WARNING:
- This drawing shall not be used for construction without the approval of the Engineer in Charge.
- The Engineer shall be responsible for the safety of the structure and shall not be liable for any damage or injury to the structure or its contents.
- The drawing is to be used in accordance with the specifications and standards of the Kingdom of Saudi Arabia.
- The drawing and design shall be subject to the approval of the relevant authorities.

S07



@ SUPPORT @ MID SPAN @ MID SPAN @ SUPPORT @ MID SPAN @ MID SPAN

B2A



@ SUPPORT @ MID SPAN @ MID SPAN @ SUPPORT @ MID SPAN @ MID SPAN

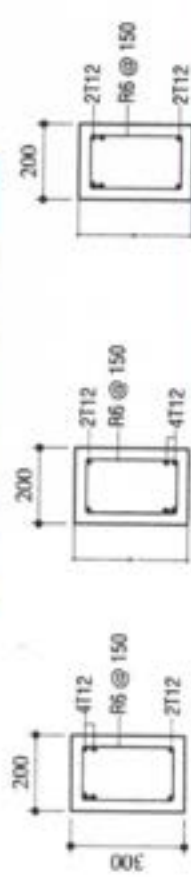
B4

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER CB

STRUCTURAL CHECKER A1

Name: Mohamed Muththalib Waleed License No: 11 03 23
Accredited No: BPR2022042A1 AI-2023-042-091



@ SUPPORT @ MID SPAN @ MID SPAN @ SUPPORT @ MID SPAN @ MID SPAN

B6

Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

ARCHITECTURAL CHECKER B1

Name: Ahusan Abdul Muhusin License No: 11 03 23
Accredited No: BPR2022050B1 AI-2023-050-091

22/11/23

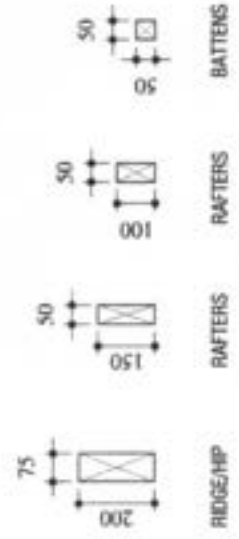
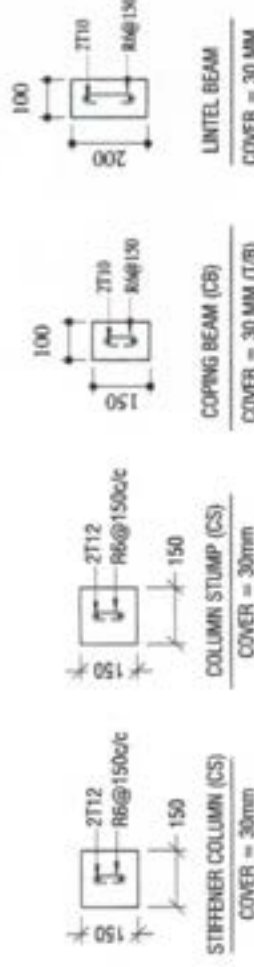
225, 23, 0, 11, 11, 03, 23
225, 23, 0, 11, 11, 03, 23

STRUCTURAL DETAILS 1



CLIENT:	FUVAHMAULAH CITY COUNCIL
PROJECT:	WOMEN'S COMMITTEE BUILDING GN. FUVAHMAULAH CITY
LICENSED ARCHITECT:	AFFAN AHMED
ARCHITECTURAL CHECKER:	AHUSAN ABDUL MUHSIN
STRUCTURAL ENGINEER:	ZINAMAM HASSAN YOUSUF
STRUCTURAL CHECKER:	MCHAMMED MUTHTHALIB WALEED
SCALE:	AS GIVEN
DRAWING TITLE:	AS GIVEN
DATE:	02/08/2023
REVISION NO.:	00
FILE NAME:	RESEARCH\PROJECTS\RENDERING\WOMEN'S COMMITTEE BUILDING
WARNING:	<p>The drawing shall not be used for construction.</p> <p>Contractor to verify the dimensions of every work with the "As-Built" dimensions of every party and building.</p> <p>All work drawings, see other drawings.</p> <p>The drawing is to be used in conjunction with the specifications and conditions of contract. It is to be used for the construction of the building and for the preparation of the building permit.</p>

S08



TIMBER GRADE C30

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
Name: Mohamed Muththalib Waleed | ID No: 23.09.23 - 15.09.25
Accredited No: BPR2023040A1 | A1-2023-00-001

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
Name: Ahusan Abdul Muhsin | ID No: 23.08.23 - 18.12.24
Accredited No: BPR2023050B1 | A1-2023-008-001

22/11/23
22/11/23
22/11/23
22/11/23

STRUCTURAL DETAILS 2



CLIENT:
FUVAHMAULAH CITY
COUNCIL

PROJECT:
WOMEN'S
COMMITTEE BUILDING
GN. FUVAHMILAH CITY

LICENSED ARCHITECT:
AFFAN AHMED

ARCHITECTURAL CHECKER:
AHUSAN ABDUL MUHSIN

STRUCTURAL ENGINEER:
ZIMAM HASSAN
YOOSUF

STRUCTURAL CHECKER:
MOHAMED MUTHTHALIB
WALEED

SCALE: AS GIVEN

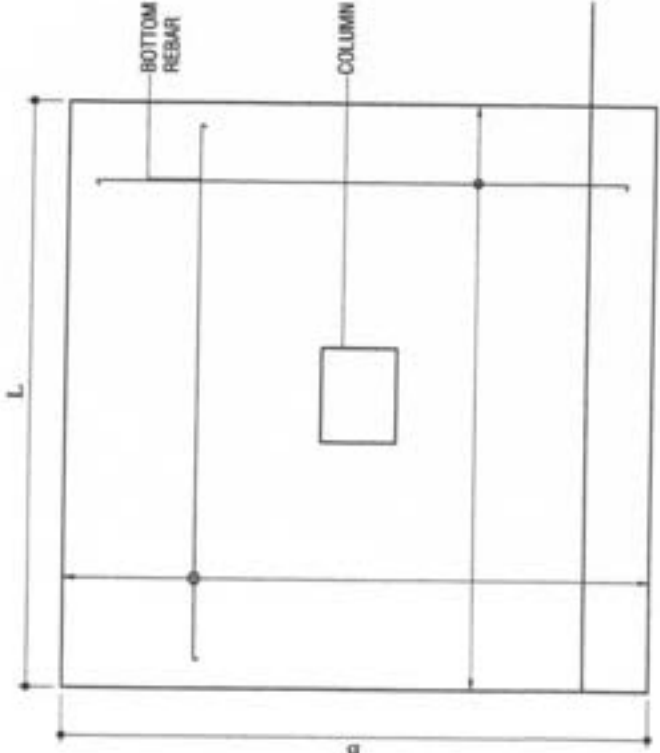
DRAWING TITLE: AS GIVEN

DATE COMPILED:

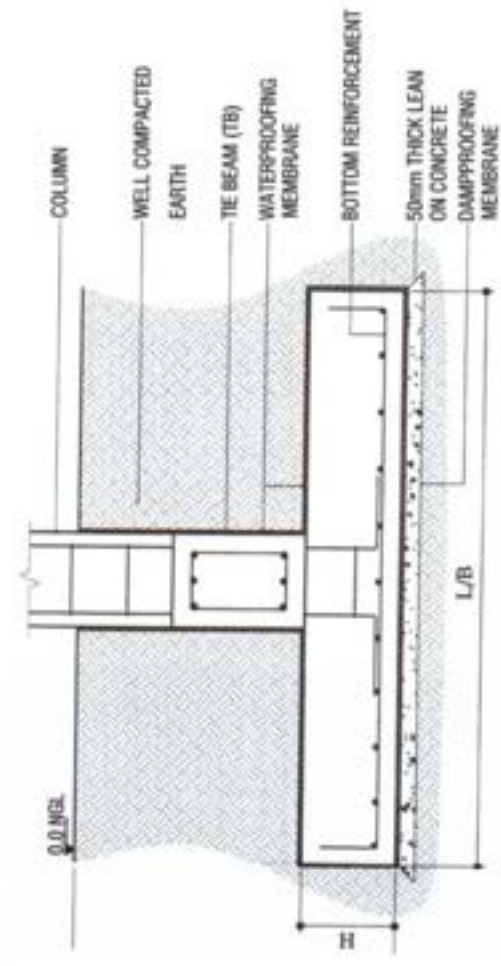
REVISION NO. 06

FILE NAME:
RESEARCH\PROJECTS\EMBELEMENTAL
WOMEN COMMITTEE BUILDING

WARNING:
- This drawing shall not be used for construction
without the approval of the Engineer of Works
- The drawings to be used in construction shall
be the drawings and stamp of Engineer, and in
the absence of the Engineer, the drawings shall
be the drawings and stamp of the Architect
of the works.



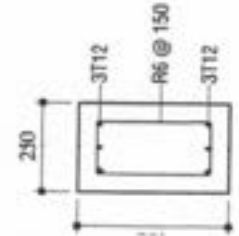
TYPICAL FOOTING (F) PLAN
SCALE = 1:20



TYPICAL FOOTING (F) SECTION
SCALE = 1:20

- NOTES:
EXCEPT OTHERWISE NOTED:
FOUNDATION PAD & BEAM COVER = 50 mm
COLUMN COVER = 40 mm
BEAM COVER = 40 mm
FLOOR SLAB COVER = 30 mm
MINIMUM CONCRETE GRADE = C25

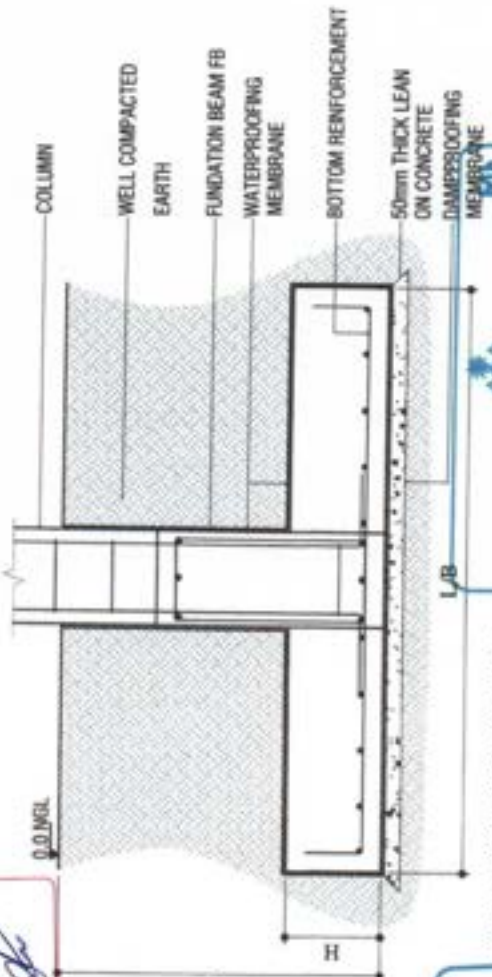
STRUCTURAL DETAILS 3
SCALE = 1:20



TIE BEAM (TB)
(50mm CONC. COVER)

FOUNDATION AND TIE BEAM DETAIL
SCALE = 1:20

STRUCTURAL DETAILS 3
SCALE = 1:20



TYPICAL FOOTING (ST) SECTION
SCALE = 1:20

Handwritten notes in Arabic and English. Includes a signature and date: 22/11/23. A red stamp is also present.

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
Name: Ahusan Abdul Muhsin
Accredited No: BPP202056681
01-2023-098-001

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
Name: Mohamed Muththolib Waleed
Accredited No: BPP2020042A1
01-2023-040-001



Email: info.idearch@gmail.com
 Contact: 7804174 / 9905543

CLIENT:

FUVAHMAULAH CITY COUNCIL

PROJECT:

WOMEN'S COMMITTEE BUILDING
 GN. FUVAHMILAH CITY

LICENSED ARCHITECT:

AFFAN AHMED

ARCHITECTURAL CHECKER:

AHUSAN ABDUL MUHSIN

STRUCTURAL ENGINEER:

ZAMAAM HASSAN
 YOUSUF

STRUCTURAL ENGINEER:

MOHAMED MUTHALIB
 WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

DATE DIMENSIONED

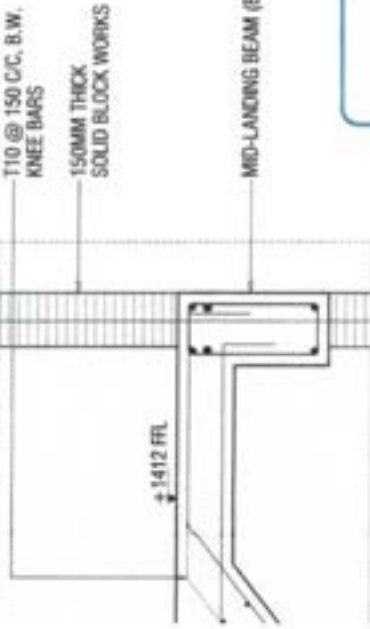
REVISION NO. 00

FILE NAME

REGISTRATION NO. E/2008/001/001
 WOMEN COMMITTEE BUILDING

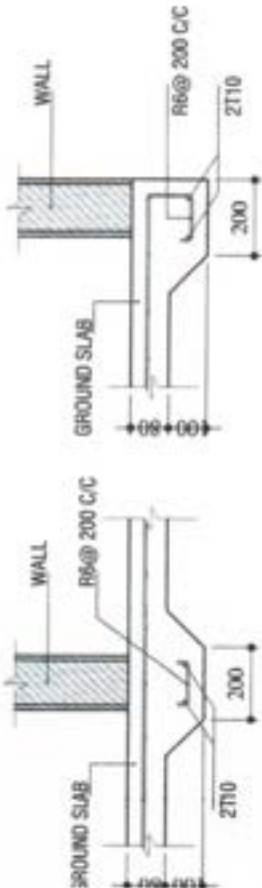
WARNING:
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S10



AT FLOOR LEVEL, BARS ARE FULLY EXTENDED AND ANCHORED INTO FLOOR SLAB.
 AT MIDLANDING, BARS ARE FULLY ANCHORED INTO MIDLANDING BEAM

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
 STRUCTURAL CHECKER A1
 Name: Mohamed Muthalib Waleed | ID No: 23.02.23 - 18.12.25
 Accredited No: EPRC2023042A1 | A1-2023-042-001



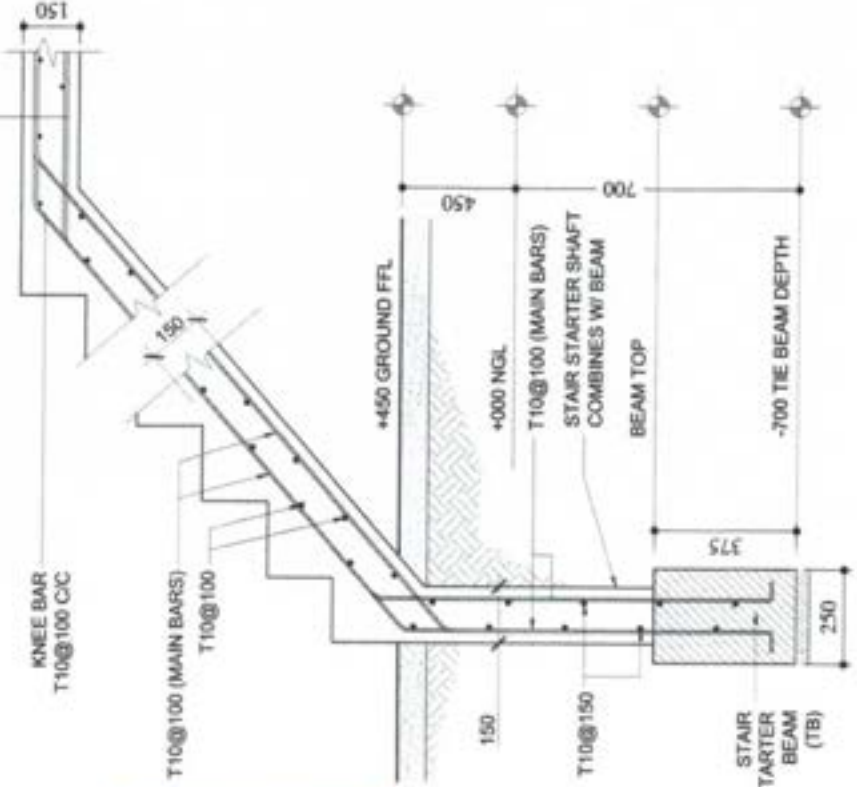
TYPICAL THICKENED SLAB DETAIL (INTERIOR)
 (50mm CONC. COVER)

TYPICAL THICKENED SLAB DETAIL (FREE EDGE)
 (50mm CONC. COVER)

GROUND SLAB DETAIL
 SCALE = 1:20



STRUCTURAL DETAILS 4
 SCALE = 1:20



STAIR SECTION DETAIL
 SCALE = 1:20

Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
 ARCHITECTURAL CHECKER B1
 Name: Ahusan Abdul Muhsein | ID No: 23.02.23 - 18.12.25
 Accredited No: EPRC2023050B1 | A1-2023-050-001

5/2/23
 5555555555
 5555555555

GENERAL NOTES

- STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL SPECIFICATIONS AND WRITTEN INSTRUCTIONS.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
- ALL DIMENSIONS RELEVANT TO SETTING OUT AND CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE STABILITY OF STRUCTURE AND ENSURE THAT NO STRUCTURAL ELEMENT BE STRESSED UNDER CONSTRUCTION ACTIVITIES.
- WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE RELEVANT RECENT CODES OR OTHER ACCEPTABLE STANDARDS.
- THE CONTRACTOR SHALL PRODUCE SHOP DRAWINGS FOR APPROVAL IF REQUESTED.
- ALL LEVELS ARE EXPRESSED IN METERS.
- REINFORCED CONCRETE DESIGN IS BASED ON BS 8110' STRUCTURAL USE OF CONCRETE REFER TO STANDARD AND TYPICAL DETAILS AS SHOWN IN THE TYPICAL DRAWINGS FOR ALL DETAILS SPECIFICALLY.
- PROPS AND FRAMEWORK FOR BEAMS AND SLABS SHALL BE REMOVED BEFORE THE STRUCTURE OF ANY MASONRY WALLS OR OTHER PERMANENT LOADING ON THE SLAB.
- NON-LOAD BEARING WALLS SHALL BE KEPT CLEAR OFF THE UNDERSIDE OF SLABS BY 100MM. THE JOINT SHALL BE FILLED WITH FIBRE BOARD OR COMPRESSIBLE MATERIAL COVERED WITH METAL SHEETING ON BOTH SIDES OF THE JOINT, AND THE METAL SHEETING SHALL BE FIXED TO THE BEAM OR SLAB AS THE CASE MAY BE.

NOTATIONS

- FOUNDATIONS HAS BEEN DESIGNED FOR SAFE GROUND PRESSURE OF 150 kN/m².
- FOOTINGS SHALL BE PLACED MINIMUM 1.2 m BELOW THE NATURAL GROUND LEVEL UNLESS STATED OTHERWISE.
- BACKFILL SHOULD BE DONE WITH APPROVED MATERIAL AND SOURCE. ALL BACKFILL SHALL BE STRUCTURAL FILL, COMPACTED IN LAYERS AS SPECIFIED.
- POCKETS FOUND BELOW THE ASSUMED FOUNDATION LEVELS SHALL BE REMOVED AND REPLACED BY PLAIN CONCRETE.
- CASE OF EXCAVATIONS BELOW THE ASSUMED LEVEL OF THE FOOTING, THE SOIL SHALL BE REPLACED BY PLAIN CONCRETE.
- CASE GROUND WATER IS PRESENT ABOVE FOUNDATION LEVEL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DE-WATERING THE SITE, AND LOWERING THE GROUND WATER AT LEAST 700MM BELOW LEVEL OF FOUNDATIONS.
- THE CONTRACTOR SHALL MAINTAIN DRY WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD. RESTORING WATER TABLE CAN BE DONE AFTER BACKFILLING AND IMPACTION UP TO THE SLAB ON GRADE LEVEL, OR AS DIRECTED BY THE ENGINEER.
- BACK FILLING SHALL BE PLACED AGAINST WALLS RETAINING EARTH, UNLESS THE WALLS ACHIEVE SUFFICIENT STRENGTH TO PREVENT MOVEMENT OR STRUCTURAL DAMAGE.
- UNLESS OTHERWISE SHOWN ALL FOOTINGS ARE CONCENTRIC TO COLUMNS.



Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

ARCHITECTURAL CHECKER B1

Name: Ahusan Abdul Muhusin WALQATY: 23.08.23 - 18.12.24
Accredited No: BPP0202065681 AT-3823-682-881

GENERAL NOTES

- 8/13

CONCRETE

- ALL IN-SITU STRUCTURAL CONCRETE SHALL HAVE MINIMUM 28 DAYS CURE STRENGTH OF 25 N/mm² TO THE RELEVANT CLAUSES OF BS5328.
- ALL PLAIN CONCRETE (OR BLINDING) SHALL HAVE MINIMUM 28 DAYS CURE STRENGTH OF 15 N/mm² (EQUIVALENT CYLINDER STRENGTH, $f_c = 12 \text{ N/mm}^2$), TO THE RELEVANT CLAUSES OF BS5328.
- SULPHATE RESISTING CEMENT SHALL BE USED FOR ALL CONCRETE IN CONTACT WITH GARBAGE.
- NO OPENINGS, HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE IN THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL.
- CONSTRUCTION AND EXPANSION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN OR SPECIFICALLY APPROVED.
- NO ELECTRICAL CONDUIT AND PIPES ARE TO BE CAST IN COLUMNS OR THROUGH BEAMS WITHOUT PRIOR APPROVAL UNLESS OTHERWISE SHOWN IN THE DRAWINGS.
- SPECIAL RULES REGARDING CONCRETING IN HOT WEATHER SHALL BE OBSERVED.
- OPENING IN SLABS:
 - FOR OPENING LESS THAN 150 x 150 MM, BARS SHALL BE RE-ARRANGED AROUND THE OPENING.
 - FOR OPENINGS GREATER THAN 300 x 300 MM BUT LESS THAN 600 x 600 MM AND NOT SHOWN ON PLAN, PROVIDE 2-Ø 16 TOP AND BOTTOM ALONG EACH SIDE AND DIAGONALLY AT CORNERS OR AS OTHERWISE DETAILED. AMOUNT OF BARS DISCONTINUED DUE TO THE OPENING SHALL BE PLACED AT THE RESPECTIVE SIDES.
 - OPENINGS GREATER THAN 600 x 600 MM AND NOT SHOWN ON PLAN SHALL BE APPROVED.
 - SHEAR KEY SHALL BE PROVIDED AT ALL CONSTRUCTION JOINTS.

REINFORCEMENT

- HIGH STRENGTH DEFORMED BARS DENOTED 'S' SHALL CONFIRM TO BS-4449 WITH MINIMUM YIELD STRENGTH $F_y = 460 \text{ N/mm}^2$, MILD STEEL DENOTED 'R' SHALL HAVE 250 N/mm² YIELD STRENGTH WELDED WIRE MESH SHALL COMPLY WITH BS-4483.
- SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN THE POSITION SHOWN OR AS OTHERWISE APPROVED.
- SPACER BARS SHALL BE PROVIDED AT 100 cm CENTERS WHEREVER REINFORCEMENT IS PLACED IN MORE THAN ONE LAYER, UNLESS STATED OTHERWISE.
- WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED, IF REINFORCEMENT SHOULD BE WELDED, APPROVAL IS REQUIRED.
- ALL REINFORCEMENT SHALL BE SUPPORTED IN ITS CORRECT POSITION DURING CONCRETING BY APPROVED BAR CHAIRS, SPACERS, OR SUPPORT BARS.
- TYPICAL DEVELOPMENT AND SPLICES OF DEFORMED BARS WITH $F_y = 460 \text{ N/mm}^2$ AND $F_{cu} = 25 \text{ N/mm}^2$ (CURE STRENGTH) SHALL BE AS FOLLOWS, UNLESS OTHERWISE MENTIONED IN DRAWINGS:
 - BASIC TENSION DEVELOPMENT LENGTH, $L_D = 45 \times \text{BAR } \phi$
 - MINIMUM COMPRESSION DEVELOPMENT LENGTH, $L_{DC} = 45 \times \text{BAR } \phi$ (OR 300MM WHICH EVER IS MORE)

22/10/23
25g, 25-552 F- 55555
25g, 25-552 F- 55555



Email: info.idearch@gmail.com
Contact: 7604174 / 9605543

CLIENT:	FUVAHMAULAH CITY COUNCIL
PROJECT:	WOMEN'S COMMITTEE BUILDING GN. FUVAHMAULAH CITY
LICENSED ARCHITECT:	AFFAN AHMED
ARCHITECTURAL CHECKER:	AHUSAN ABDUL MUHUSIN
STRUCTURAL ENGINEER:	ZIMAM HASSAN YOUSUF
STRUCTURAL CHECKER:	MOHAMED MUTHTHALIB WALEED
SCALE:	AS GIVEN
DRAWING TITLE:	AS GIVEN
DATE:	COMPLETED
REVISION NO.:	01
FILE NAME:	ADAMCH02STRUCTURING02010101 WOMEN COMMITTEE BUILDING
WARNING:	<ul style="list-style-type: none"> This drawing shall not be used for construction. It is the responsibility of the contractor to ensure that the work is carried out in accordance with the approved drawings. The contractor shall be responsible for any errors or omissions in the drawings. The contractor shall be responsible for any damage to the drawings. The contractor shall be responsible for any loss of the drawings. The contractor shall be responsible for any theft of the drawings. The contractor shall be responsible for any destruction of the drawings. The contractor shall be responsible for any alteration of the drawings. The contractor shall be responsible for any use of the drawings for any purpose other than that for which they were prepared.

S11

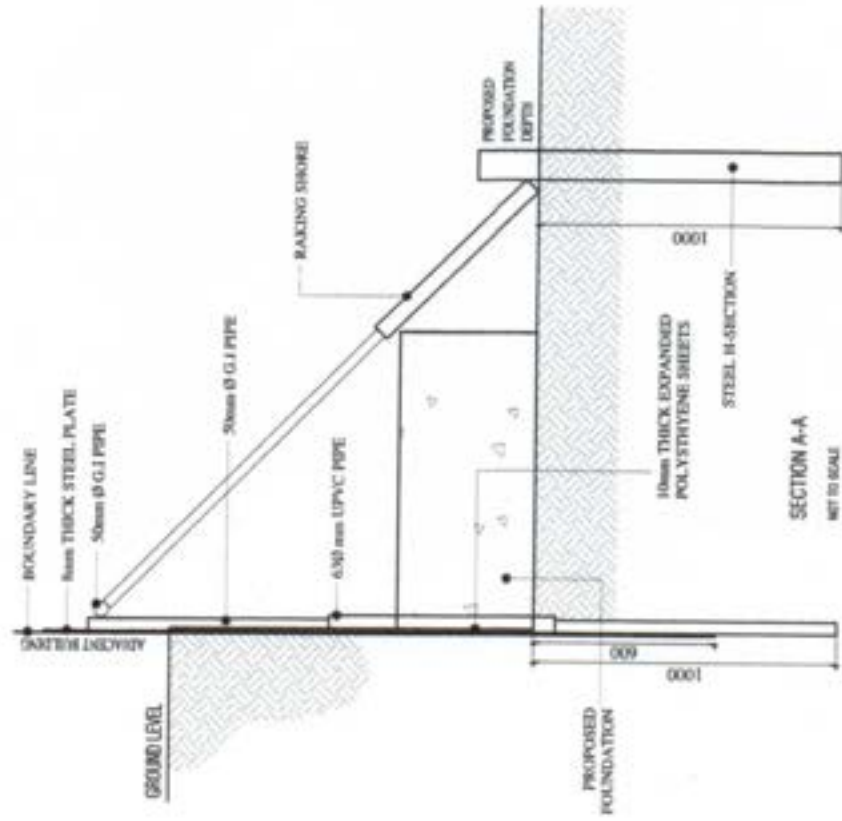


Ministry of National Planning, Housing & Infrastructure

ACCREDITED CHECKER

STRUCTURAL CHECKER A1

Name: Mohammed Muhussin Waleed WALQATY: 23.08.23 - 18.12.24
Accredited No: BPP02020642A1 AT-3823-682-881

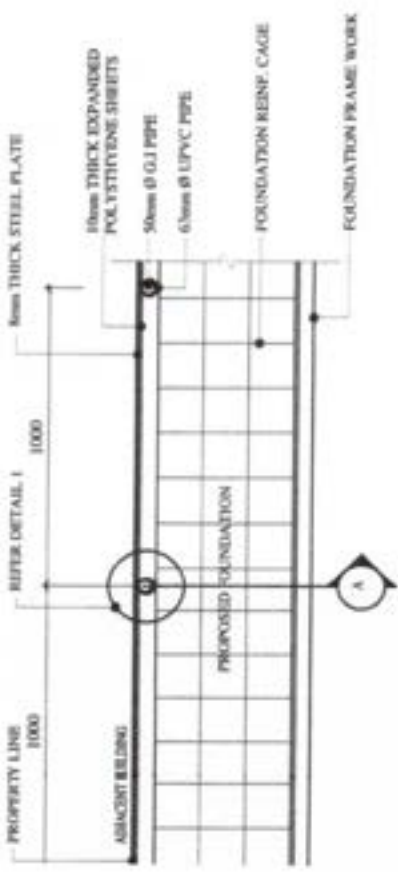


Zinam Hassan Yousuf

DPR 2022-1623 LE




 Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
STRUCTURAL CHECKER A1
 Name: Mohamed Muhamed Waleed ID No: 210823 - 11 08 28
 Accredited No: BPP2022000A1 A1-2023-042-001

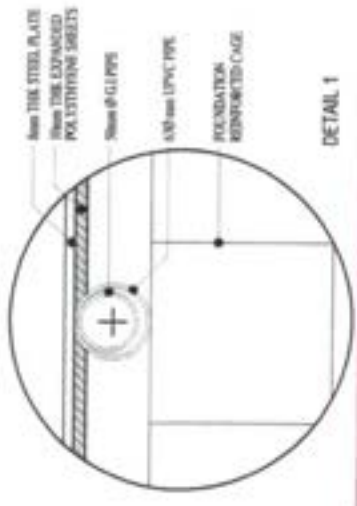



 Ministry of National Planning, Housing & Infrastructure
ACCREDITED CHECKER
ARCHITECTURAL CHECKER B1
 Name: Ahusan Abdul Muhasin ID No: 210823 - 18 02 24
 Accredited No: BPP2022000B1 B1-2023-008-001

HOW TO PROTECT ADJACENT STRUCTURES AND EXCAVATION FOR FOUNDATION

BEFORE THE LEVEL OF EXCAVATION REACHES THE BOTTOM OF THE ADJACENT FOUNDATION, PLACE THE STEEL PLATE AGAINST THE ADJACENT PROPERTY AND DRIVE THE UPRIGHT G.I PIPES (WITH THE UPVC SLIPERS) INTO THE GROUND. DRIVE THE STEEL PLATES 400-500 mm INTO THE GROUND. EXCAVATE ANOTHER 300mm DEEPER. DRIVE THE STEEL PLATE ANOTHER 300mm DEEPER. FOLLOW THIS PROCEDURE UNTIL THE REQUIRED DEPTH (AS SHOWN IN THE DIAGRAM) IS REACHED. PROP THE G.I PIPES USING WALKING AND RAKING SHORES AS SHOWN IN THE DIAGRAM. AFTER 3 DAYS REMOVE THE UPRIGHT G.I PIPES AND PLACE THE WALKING AGAINST THE STEEL SHEET, USING RAKING SHORES AS BEFORE. GROUT THE SPACE INSIDE UPVC PIPES WHILE BACKFILLING, REMOVE STEEL SHEETS AND RAKING SHORES.

NOTE: G.I. PLATES MAY REQUIRE STIFFENING WITH ZIG ZAG ANGLES IN BOTH DIRECTIONS. AVATION & SHORE PROTECTION MUST BE USED IN PORTIONS, DECIDED BASED ON SITE CONDITIONS FOR MAXIMUM SAFETY & PROTECTION.




 22/11/23
 22-11-23
 22-11-23

CLIENT:
FUVAHMAULAH CITY COUNCIL

PROJECT:
WOMEN'S COMMITTEE BUILDING
GN. FUVAHMAULAH CITY

LICENSED ARCHITECT:
AFFAN AHMED

ARCHITECTURAL CHECKER:
AHUSAN ABDUL MUHUSIN

STRUCTURAL ENGINEER:
ZINAMAM HASSAN
YOOSUF

STRUCTURAL CHECKER:
MOHAMED MUTHTHALIB
WALEED

SCALE: AS GIVEN

DRAWING TITLE: AS GIVEN

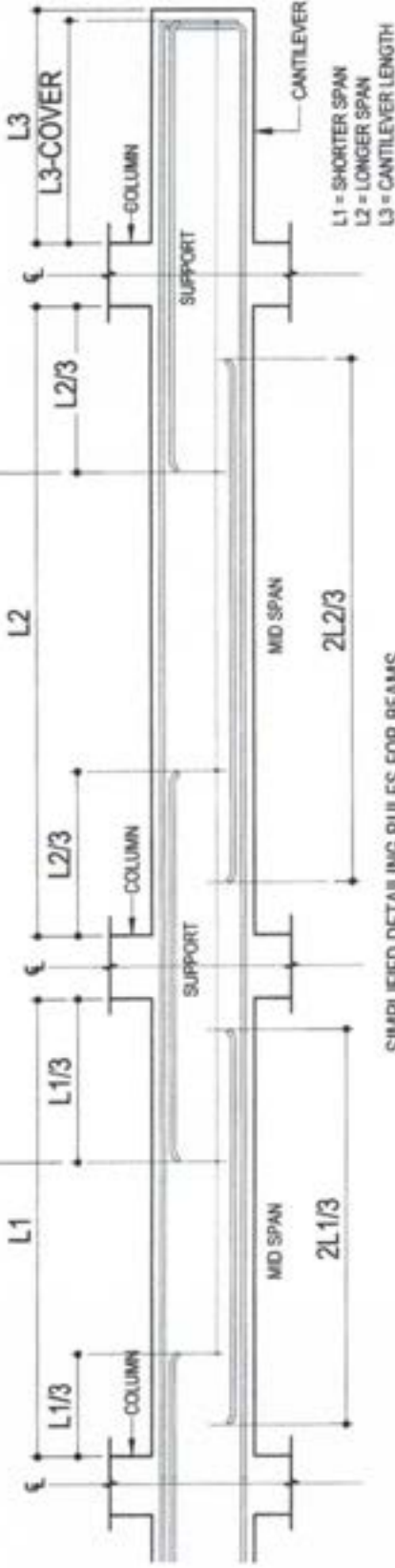
DATE: 02/11/23

REVISION NO.: 00

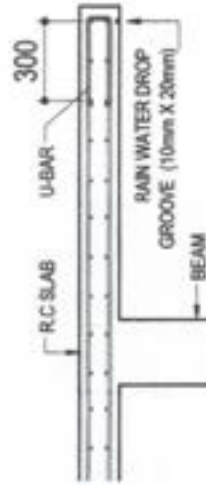
FILE NAME:
REDACTEDPROJECTRESIDENTIAL
FORM-COMMITTEE BUILDING

WARNING:
- The design shall not be used for construction
- Changes to any of the details of safety
- The design shall be used in accordance with the
- The design shall be used in accordance with the
- The design shall be used in accordance with the
- The design shall be used in accordance with the

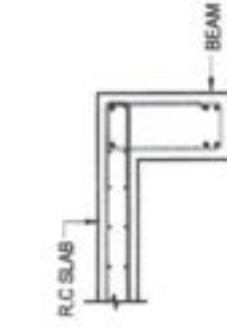
IF NUMBER OF TOP BARS ARE MORE THAN
ADJOINING SPAN TOP BARS THEN CONTINUOUS
CANTILEVER TOP BARS UP TO HERE



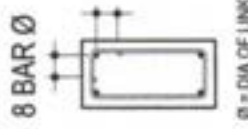
SIMPLIFIED DETAILING RULES FOR BEAMS



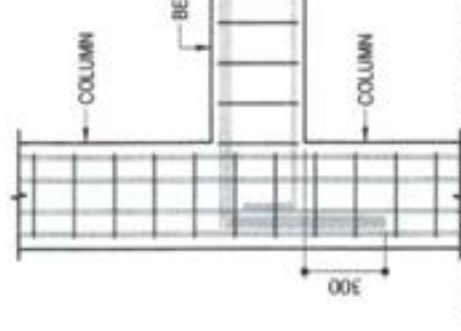
ANTILEVERED SLAB EDGE DETAIL



SLAB TO BEAM ANCHORAGE DETAIL



SHEAR LINKS ANCHORAGE DETAIL



BEAM TO COLUMN CONNECTION



END COLUMN TO BEAM CONNECTION

TTE

STANDARD DETAILS GIVEN
HERE ALSO APPLIES TO
FOUNDATION MEMBERS

IF DETAILS NOT FOUND
HERE SHALL BE REFERRED TO
RELEVANT BS CODES OR
ALL BE APPROVED BY
ENGINEER

STANDARD DETAILING RULES

NOT TO SCALE

22/11/23
22, 25-26, 27-28, 29-30, 31-32, 33-34, 35-36, 37-38, 39-40, 41-42, 43-44, 45-46, 47-48, 49-50, 51-52, 53-54, 55-56, 57-58, 59-60, 61-62, 63-64, 65-66, 67-68, 69-70, 71-72, 73-74, 75-76, 77-78, 79-80, 81-82, 83-84, 85-86, 87-88, 89-90, 91-92, 93-94, 95-96, 97-98, 99-100, 101-102, 103-104, 105-106, 107-108, 109-110, 111-112, 113-114, 115-116, 117-118, 119-120, 121-122, 123-124, 125-126, 127-128, 129-130, 131-132, 133-134, 135-136, 137-138, 139-140, 141-142, 143-144, 145-146, 147-148, 149-150, 151-152, 153-154, 155-156, 157-158, 159-160, 161-162, 163-164, 165-166, 167-168, 169-170, 171-172, 173-174, 175-176, 177-178, 179-180, 181-182, 183-184, 185-186, 187-188, 189-190, 191-192, 193-194, 195-196, 197-198, 199-200, 201-202, 203-204, 205-206, 207-208, 209-210, 211-212, 213-214, 215-216, 217-218, 219-220, 221-222, 223-224, 225-226, 227-228, 229-230, 231-232, 233-234, 235-236, 237-238, 239-240, 241-242, 243-244, 245-246, 247-248, 249-250, 251-252, 253-254, 255-256, 257-258, 259-260, 261-262, 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