

# UMA KOMUNIKASAUN



General Architectural and Infrastructures Design of Uma Komunikasaun

Bill of Quantities

June 25, 2020

**BILL-OF-QUANTITIES**

Uma KomunikaSaun  
Bill-Of-Quantities (BoQ)

Sigismundo Sampaio Nunes  
Arquitectos

ITEM	DESCRIPTION	LIST OF UNIT PRICES			
		un	QUANT	UNIT PRICE (US DOLLAR)	TOTAL PRICE (US DOLLAR)
<b>I</b>	<b>ARCHITECTURE</b>				
<b>1.</b>	<b>WALL WORKS</b>				
1.1.	Supply and application of interior cladding gypsum board, <b>one layer 9mm</b> boards thick, with light steel structure, with interior matt finish paint, white, RAL9010 , including all necessary works/material for perfect finish.	sqm	153.28		
1.2.	Supply and application of interior walls in gypsum board, one 9mm thick board on each side, with light steel structure, interior finishing in matt paint, white, RAL9010, including all necessary works/material for perfect finish.	sqm	55.50		
1.3.	Supply and application of interior acoustic cladding perforated gypsum board Knauf or similar, one layer 13mm boards thick, with light steel structure, insulation with Isoking Glass Wool 11m x 1.2m x 12kg / M3 x 50mm , with interior matt finish paint, white, Jotun brand RAL9010 including all necessary works/material for perfect finish.	sqm	13.20		
1.4.	Supply and application of exterior cladding with kalsiboard, 8mm thick, with light steel structure, including exterior matt finish paint, white, Jotun brand RAL9010 and all necessary works/material for perfect finish.	sqm	17.18		
1.5.	Supply and application of exterior Cladding composed by vertical baffles in SHS 50x50x1mm painted with primer and enamel paint, fixed to corrugated metal sheet, including all necessary works/material for perfect finish according to drawings.	sqm	171.19		
1.6.	Supply and application of exterior Cladding in corrugated metal Trimdek sheet BMT 0.42mm Grey, suport structure with roof batten 32x40x0.75mm // 0.90m, heat insulation with Isoking Glass Wool 11m x 1.2m x 12kg / M3 x 50mm, including all necessary works/material for perfect finish according to drawings.	sqm	204.50		
<b>2</b>	<b>ROOFS</b>				
2.1.	Supply and application of trimdek roof with Zinalume standard, corrugated BMT 0.42mm grey, including all necessary materials and works.	sqm	76.10		
2.2.	Supply and application of Isoking Glass Wool with Fire Proof Aluminium Foil 11m x 1.2m x 12kg / M3 x 50mm, including metallic mesh to support, and all material and necessary works.	sqm	76.10		
2.3.	Cold formed light gauge steel Lipped inward "C" channel, including connection to metallic structure, all accessories and necessary works.				
2.3.1.	C100 BMT 2.0mm	m	110.00		
2.4.	Supply and application of flashing/capping with Cold formed Zinalume standard, BMT 0.42mm grey, including all necessary materials and works for its fixation.				
2.4.1.	Ridge capping	m	25.22		
2.4.2.	Ridge wall capping	m	26.49		
2.4.3.	Window flashing 200+100mm (DW5 and DW8)	m	18.70		
2.4.4.	Window flashing 500+100mm (DW6 and DW7)	m	26.40		
2.4.4.	Parapet flashing 100+200+100mm	m	10.00		
2.5.	Supply and application of Gutter with Cold formed Zinalume standard, BMT 0.42mm grey, including all necessary materials and works for its fixation.	m	10.00		
2.6.	Supply and application of drain pipe connected to gutter with painted "Shale grey" finishing, including all necessary materials and works for its fixation.	m	6.10		
<b>3</b>	<b>FLOOR FINISHING WORKS</b>				
3.1.	Supply and application of antislip ceramic tiles 600x600, including skirting placed with ciment glue and all works and materials necessary for its perfect application.	sqm	7.17		
3.2.	Supply and application of WOOD or CARPET effect vinyl tiles, including fixing glue and all works and materials necessary for its perfect application.	sqm	103.43		
3.3.	Supply and application of stairs landings, covers and fronts in WOOD or CARPET effect vinyl tiles, including fixing glue and all works and materials necessary for its perfect application.	sqm	11.07		

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3.4.	Supply and application of skirting with 10cm height, in 19mm hidro resistant MDF painted with matt enamel paint RAL9010, including fixing glue and all works and materials necessary for its perfect application.	m	80.15		
3.5.	Supply and application of skirting on stairs with 10cm height in 19mm hidro resistant MDF painted with matt enamel paint RAL9010 , including fixing glue and all works and materials necessary for its perfect application.	m	20.50		
3.6.	Supply and instalation of <b>Stage</b> structure and cover in plywood 20mm boards and all works and materials necessary for its perfect application.	un	1.00		
3.7	Supply and instalation 1st floor base with 1 layers of plywood 18mm boards, including fixing and all works and materials necessary for its perfect application.	sqm	56.50		
<b>4</b>	<b>CEILING WORKS</b>				
4.1.	Supply and application of gypsum board, 9mm thick, with light steel structure, including matt paint, white, RAL9010 and all necessary works/material for perfect finish.	sqm	101.96		
4.2.	Supply and application of interior acoustic perforated gypsum board Knauf or similar, one layer 13mm boards thick, with light steel structure, insolation with Isoking Glass Wool 11m x 1.2m x 12kg / M3 x 50mm , whith interior matt finish paint, white, Jotun brand RAL9010 including all necessary works/material for perfect finish.	sqm	15.84		
4.3.	Supply and application of cement board, 8mm thick, with light steel structure, including exterior matt paint, white, Jotun brand RAL9010 and all necessary works/material for perfect finish.	sqm	7.17		
<b>5</b>	<b>DOORS and WINDOWS</b>				
5.1.	Supply and install simple swing doors of plywood, <b>DW3 (0.90x2.10m)</b> , 35mm leaf with solid wood frames, painted with white matt enamel paint, including 3 Stainless Steel Hinges, 2 Stainless Steel tubular Handles, locks, and all accessories and necessary materials and works:	un	1.00		
5.2.	Supply and install doors and windows, in aluminium frame with powder coated finishing grey matte RAL 8019 including glass, handles, locks, and all accessories and necessary materials and works according to the drawings:				
5.2.1	DW1 (0.90x2.10)	un	3.00		
5.2.2.	DW2 (1.50x2.10)	un	1.00		
5.2.3.	DW4 (2.40x2.00) including security film	un	1.00		
5.2.4.	DW5 (3.60x2.00) including security film	un	1.00		
5.2.5.	DW6 (1.08x1.10)	un	3.00		
5.2.6.	DW7 (1.65x1.10)	un	4.00		
5.2.7.	DW8 (2.65x1.10)	un	1.00		
<b>6</b>	<b>VARIOUS</b>				
6.1.	Supply and install guardrail with 6.00x0.9m + 1.2x0.90 in SHS 30x30x1.5mm, painted with white matt enamel paint RAL 9010, including all accessories and necessary materials and works.	un	1.00		
6.2.	Supply and install lhgthing (type A2) suport structure with 7.09x0.3m in RHS 50x30x1.5mm and 16mm diam tubes, painted with white matt enamel paint RAL 9010, including all accessories and necessary materials and works.	un	4.00		
6.3.	Supply and install logo with 4.4x2.0m, located on the façade as per drawings, in Cement Board 8mm sheet, painted with matt enamel paint Grey", including all accessories and necessary materials and works.	un	1.00		
6.4	Supply and install set with 15 letters with 0.8x0.6m,"UMA KOMUNIKASAUN" located on the façade as per drawings, in cement board 8mm sheet, painted with matt enamel paint colour grey, including all accessories and necessary materials and works.	Ls	1.00		
<b>II</b>	<b>STRUCTURAL WORKS</b>				
<b>1.</b>	<b>PREPARATION WORKS</b>				

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1.1.	Site clearance and surface demolition of existing concrete slabs for posterior works, including transport of debris to outside of construction site.	ls	1.00		
<b>2.</b>	<b>CONCRETE WORKS</b>				
2.1.	Reinforced concrete C25/30 (X0(P); D25; S3; Cl 0,4), made in a concrete production central, in accordance with structural design, including vibration.				
2.1.2.	Beams	cum	12.10		
2.1.3.	Slab	cum	7.26		
2.2.	Execution of matallic or wooden formhork for view concrete, including all necessary materials and works.	sqm	32.64		
2.2.	Supply and install reinforcement steel A400NR, including all necessary materials and works.				
2.2.1.	Ø13	kg	226.86		
	foundation beams				
	Ø10	kg	528.56		
	slab				
	Ø8	kg	171.82		
	foundation beams				
2.3.	Slab to conect the 2 buildings with 15cm in Reinforced concrete C25/30 (X0(P); D25; S3; Cl 0,4), wire mesh 15x15cm in reinforcement steel A400NR Ø10, made in a concrete production central, in accordance with structural design, including vibration.	sqm	3.90		
<b>3.</b>	<b>METALLIC STRUCTURES</b>				
3.1.	Supply and install metallic structure in galvanized steel, according structural drawings, including welding, base plates, anchor bolts, and all necessary works.				
3.1.1.	SHS 150x150x3mm (B1 and C1))	m	104.45		
3.1.2.	SHS 100x100x2mm (C2)	m	32.56		
3.1.3.	SHS 50x50x1.5mm (floor batten)	m	176.15		
3.1.4.	SHS 50x50x2mm (stairs)	m	73.43		
3.1.5.	RHS100x50x2mm (stairs)	m	15.16		
	SHS 50x50x1.5mm overhang DW6 and DW7)	m	4.55		
3.1.6.	Rod 12mm (bracing)	m	123.75		
3.2.	Supply and install Truss 1 in metallic structure in galvanized steel, RHS 150x50x2mm and SHS 50x50x2mm according structural drawings, including welding, base plates, anchor bolts, and all necessary works.	un	4.00		
3.3.	Supply and install turnbuckles with hook and eye for adjusting rods.	ls	1.00		
<b>III</b>	<b>ELECTRICAL INSTALLATION</b>				
<b>1.</b>	<b>Boards</b>				
	Supply and assembly, including accessories and all necessary connections.				
1.1	MAIN BOARD according to the drawn including all the connections and accessories necessary for its correct installation	ls	1.00		
1.2	Cable XV 4x25 mm - Between arrival location EDTL and MAIN BOARD	m	17.00		
<b>2</b>	<b>Lighting</b>				
	Supply, assembly and connection of equipment, including all accessories, to the following material:				
2.1	Cables:				
	Cable 3G1,5 mm2	m	190.00		
2.2	Pipes				
	Pipe VD Ø16	m	190.00		
2.3	Equipment				

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	Embedeed Lighting Switch , 10A, br	Un	6.00		
	Embedeed Lighting Switch 2-Way, br	Un	4.00		
2.4	Lights				
	A1 - Phillips Greenup Slim Downlight 11W warm white	Un	6.00		
	A2 - T5 led tube luminaire 13w, 1200mm	Un	26.00		
	A3 - Suspended Luminaire ONLIGHT PS051.154.12 or similar	Un	4.00		
	A4 - 60W LED Floodlight IP 44	un	9.00		
2.5	Boxes				
	Juction Box	un	16.00		
<b>3</b>	<b>Sockets</b>				
	Supply, assembly and connection, including all accessories, to the following material:				
3.1	Cables:				
	Cable 3G2,5 mm2	m	150.00		
3.2	Pipes and trays				
	Pipe VD Ø20	m	150.00		
	DLP cable tray in PVC-U double chanel, 120x50mm	m	11.00		
3.3	Equipment				
	Single-phase Socket, 2P+T, embedeed mounting	Un	40.00		
<b>4</b>	<b>Safety - Protective Grounds and Equipotential Bonding</b>				
	Equipotentialities (infrastructures)				
	Supply, installation and connection including all accessories:				
4.1	Ground measuring box, with removable connector, CMT	un	1.00		
4.2	Ground electrode 2m, copper	un	1.00		
4.3	Copper plated cable 70 mm2	m	8.00		
4.4	Mechanical tightening connectors	un	1.00		
<b>5</b>	<b>Data and communications Network</b>				
<b>5.1</b>	<b>Data</b>				
5.1.1	Router WIFI TP link 4G	un	2.00		
5.1.2	Switch, 24 outputs, 4G	un	1.00		
5.1.3	Socket RJ45 cat 6 simple, wallmounted	un	7.00		
5.1.4	Socket RJ45 cat 6 doble, wallmounted	un	1.00		
5.1.5	Socket RJ45 cat 6 doble, on tray	un	6.00		
5.1.6	Pipe VD Ø20	m	229.00		
5.1.7	Cable UTP CAT6	m	240.00		
<b>5.2</b>	<b>Communications</b>				
5.2.1	Socket RJ45 cat 6 simple, on tray	un	1.00		

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5.2.2	Cable UTP CAT6	m	7.00		
5.2.3	Pipe VD Ø20	m	7.00		
<b>6</b>	<b>TV Network</b>				
6.1	Coaxial distribution amplifier	un	1.00		
6.2	Coaxial socket	un	2.00		
6.3	coaxial cable	m	18.00		
6.4	Pipe VD Ø20	m	18.00		
<b>IV</b>	<b>AIR CONDITIONED</b>				
<b>1.</b>	<b>Equipments</b>				
	Supply and assembly, including accessories and all necessary connections.				
1.1	Set of AC DAIKIN Split unit with <b>2hp</b> including interior unit, external unit, isolated copper piping, electrical wiring 3G 2.5mm, condensed water pvc 32mm pipes, for:				
	AC 4	un	1.00		
	AC 8	un	1.00		
1.2	Set of AC DAIKIN Split unit with <b>3hp</b> including interior unit, external unit, isolated copper piping, electrical wiring 3G 2.5mm, condensed water pvc 32mm pipes, for:				
	AC 5	un	1.00		
	AC 6	un	1.00		
	AC 7	un	1.00		
1.4	Set of AC DAIKIN Split unit with <b>2,5hp</b> including interior unit, external unit, isolated copper piping, electrical wiring 3G 2.5mm, condensed water pvc 32mm pipes, for:				
	AC 1	un	1.00		
	AC 2	un	1.00		
	AC 3	un	1.00		
	<b>TOTAL</b>				