



PROFESSIONAL FEES FOR ARCHITECTS

JUNE 2019

PRESENTATION BY W. DEWULF

WORKSHOP SUMMARY

- General remarks
- Standard and supplementary services
- Documentation fees example
- Contract administration fees example
- Repetition fees
- Alteration fees
- Ratios
- Example
- □ Time charges
- Other charges
- Calculation of total fees

General remarks

- \Box Minimum fees chargeable by Architects = schedule.
- Fees for standard services calculated as a percentage of the cost of works.
- Definition of cost of works
- VAT on different contracts
 - > buildings used solely (100%) for residential purpose
 - > extensions to an existing building used solely for residential purpose
 - improvements or maintenance to an existing building used solely for residential purpose
 - > buildings used for both residential and non-residential purposes
 - number of new buldings, some for residential purposes and some for non-residential purposes
- Fees for supplementary services calculated on a time cost basis.
- □ All professional fees are subject to 15% value added tax

Standard and supplementary services

- Standard services (schedule, point 3)
 - Appraisal and definition of the project
 - Design concept
 - Design development
 - Approvals and technical documentation
 - Contract administration and inspection
- Supplementary services (schedule, point 4)
 - Special studies
 - Special designs
 - Surveys, inspections, renovations, valuations, etc. of existing premises
 - Special administrative or legal services
 - Maintenance/ Operating manuals
 - Supplementary/ Revised documentation
 - Special project management activities

Standard services – type building

- □ List of simple and complex buildings (schedule, point 5)
- □ Fees calculated in accordance with Column A, B or C

Cost of Works		/orks	Column A Fee for buildings other than	Column B	Coloumn C
(in Namibian Dollars)		Dollars)	simple or complex (in Namibian Dollars)	Fee for simple buildings (in Namibian Dollars)	Fee for complex buildings (in Namibian Dollars)
0	to	440,000	0.00 + 7.5% of cost	0.00 + 6.5% of cost	0.00 + 8.50% of cost
440,001	to	880,000	2,200.00 + 7.0% of cost	2,200.00 + 6.0% of cost	2,200.00 + 8.00% of cost
880,001	to	1,760,000	4,400.00 + 6.75% of cost	4,400.00 + 5.75% of cost	4,400.00 + 7.75% of cost
1,760,001	to	3,520,000	8,800.00 + 6.5% of cost	8,800.00 + 5.5% of cost	8,800.00 + 7.5% of cost
3,520,001	to	7,040,000	17,600.00 + 6.25% of cost	17,600.00 + 5.25% of cost	17,600.00 + 7.25% of cost
7,040,001	to	14,080,000	35,200.00 + 6.0% of cost	35,200.00 + 5.0% of cost	35,200.00 + 7.0% of cost
14,080,001	to	28,160,000	70,400.00 + 5.75% of cost	70,400.00 + 4.75% of cost	70,400.00 + 6.75% of cost
28,160,001	to	56,320,000	140,800.00 + 5.5% of cost	140,800.00 + 4.5% of cost	140,800.00 + 6.5% of cost
56,320,001	to	112,640,000	281,600.00 + 5.25% of cost	281,600.00 + 4.25% of cost	281,600.00 + 6.25% of cost
112,640,001	to	225,280,000	563,200.00 + 5.0% of cost	563,200.00 + 4.0% of cost	563,200.00 + 6.0% of cost
Ov	/er	225,280,000	0.00 + 5.25% of cost	0.00 + 4.25% of cost	0.00+ 6.25% of cost

PERCENTAGE FEES FOR WORKS

Standard services – cost of works

□ Cost of project for the calculation of fees is determined as follow:

DOCUN	AENTATION:	CONTRAC
Total es	timated cost (incl. VAT)	Total contr
Less:	VAT	
Less:	Escalation	
Less:	Contingencies	
	SUB-TOTAL	
<u>Add:</u>	VAT	
	TOTAL	

CONTRACT ADMINISTRATION:

Total contract sum (incl. VAT)

□ Contract sum always incl. VAT but is sometimes zero rated.

Standard services - stages

Payment divided into different work stages.

- Stage 1 - Appraisal and definition	5%
- Stage 2 - Design concept	15%
- Stage 3 - Design development	15%
- Stage 4 - Approvals and technical documentation	40%
- Stage 5 - Contract administration and inspection	25%
	100%

- □ In the event of partial services, fees are payable for each stage.
- If another Architect takes over after a specific stage, the fee for the first stage after takeover will increase by 15%

Example - documentation fees

Calculate the documentation fees for the different work stages. The project is a small industrial park with two units consisting of office and warehouse for FI Holdings ; the estimated project cost is N\$ 39,518,7485.00 ; including N\$ 2,030,200.00 for escalation and N\$ 1,539,700.00 for contingencies.

DOCUMENTATION:

Total estimated cost (incl. VAT)		N\$	39,518,485.00
<u>Less:</u>	VAT	N\$	5,154,585.00
<u>Less:</u>	Escalation	N\$	2,030,200.00
Less:	Contingencies	N\$	1,539,700.00
SUB-TO	TAL	N\$	30,794,000.00
<u>Add:</u>	VAT	N\$	4,619,100.00
TOTAL		N\$	35,413,100.00

Example - documentation fees cont.



Cost of Works		Column A	Column B	Coloumn C
		Fee for buildings other than		
		simple or complex (in Namibian	Fee for simple buildings (in	Fee for complex buildings (in
(in Namibian Dollars)		Dollars)	Namibian Dollars)	Namibian Dollars)
0	to 440,000	0.00 + 7.5% of cost	0.00 + 6.5% of cost	0.00 + 8.50% of cost
440,001	to 880,000	2,200.00 + 7.0% of cost	2,200.00 + 6.0% of cost	2,200.00 + 8.00% of cost
880,001	to 1,760,000	4,400.00 + 6.75% of cost	4,400.00 + 5.75% of cost	4,400.00 + 7.75% of cost
1,760,001	to 3,520,000	8,800.00 + 6.5% of cost	8,800.00 + 5.5% of cost	8,800.00 + 7.5% of cost
3,520,001	to 7,040,000	17,600.00 + 6.25% of cost	17,600.00 + 5.25% of cost	17,600.00 + 7.25% of cost
7,040,001	to 14,080,000	35,200.00 + 6.0% of cost	35,200.00 + 5.0% of cost	35,200.00 + 7.0% of cost
14,080,001	to 28,160,000	70,400.00 + 5.75% of cost	70,400.00 + 4.75% of cost	70,400.00 + 6.75% of cost
28,160,001	to 56,320,000	140,800.00 + 5.5% of cost	140,800.00 + 4.5% of cost	140,800.00 + 6.5% of cost
56,320,001	to 112,640,000	281,600.00 + 5.25% of cost	281,600.00 + 4.25% of cost	281,600.00 + 6.25% of cost
112,640,001	to 225,280,000	563,200.00 + 5.0% of cost	563,200.00 + 4.0% of cost	563,200.00 + 6.0% of cost
Over 225,280,000		0.00 + 5.25% of cost	0.00 + 4.25% of cost	0.00+ 6.25% of cost

Type building Industrial park = other than building \rightarrow use column A Cost of works is N\$ 35,431,100.00 \rightarrow use appropriate row

Example - documentation fees cont.

).00
= N\$ 140,800.00 + (5.5% of N\$ 35,431,100	
= N\$ 140,800.00 + N\$ 1,947,720.50	
= N\$ 2,088,520.50 (= full fees excl. VAT))
Prof fees incl VAT = N\$ 2,088,520.50 + 15% VAT	
= N\$ 2,088,520.50 + N\$ 313,278.08	
= N\$ 2,401,798.58 (= full fees incl. VAT))

TOTAL DOCUMENTATION FEES = 75% of full fees = N\$ 1,801,348.93

Stage 1	= 5% of N\$ 2,401,798.58	= N\$ 120,089.93
Stage 2	= 15% of N\$ 2,401,798.58	= N\$ 360,269.79
Stage 3	= 15% of N\$ 2,401,798.58	= N\$ 360,269.79
Stage 4	= 40% of N\$ 2,401,798.58	= N\$ 960,719.43

N\$ 1,801,348.94

Example - contract administration fees

The tender amount for the industrial project is N\$ 37,638,975.00 (incl. VAT). The current amount valued to date (as per most recent valuation from QS) is N\$ 7,369,535.00 The previous contract administration fee account to the amount of N\$ 82,579.30 has been paid by the client. Calculate the new amount due.

Back to the table	→	Column A Row of value
Professional fees	=	basic charge + 5.50% of cost of works
	=	N\$ 140,800.00 + (5.5% of N\$ 37,638,975.00)
	=	N\$ 140,800.00 + N\$ 2,070,143.63
	=	N\$ 2,210,943.63 (= full fees excl. VAT)
Prof fees incl VAT	=	N\$ 2,210,943.63 + 15% VAT
	=	N\$ 2,210,943.63 + N\$ 331,641.54
	=	N\$ 2,542,585.17 (= full fees incl. VAT)

Total contract administration fees is 25% of full fees = N\$ 635,646.29

Example - contract administration fees cont.

Contract sum	N\$ 37,638,975.00 (incl. VAT)
Amount valued to date	N\$ 7,369,535.00 (excl. VAT)

Contract admin fees should be calculated as a percentage of total amount valued to date, including VAT, less any previously paid amounts.

Percentage	of	work	done
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Work done (incl VAT	= N\$ 7,369,535.00 + 15% VAT
·	= N\$ 7,369,535.00 + N\$ 1,105,430.25
	= N\$ 8,474,965.25
Percentage of total	= N\$ 8,474,965.25 / N\$ 37,638,975.00 = 22.52%
Fees to date	 = 22.52 % of contract administration fees = 22.52 % of N\$ 635,646.29 = N\$ 143,147.54
Fees due now	 fees to date – previous paid N\$ 143,147.54 – N\$ 82,579.30 N\$ 60,568.24

Repetition fees

Repetition fees are only applicable to design and documentation stages.

Formula:	F (N+2P)
	4N
F	- fee based on cost of repeated portion
Ν	- total number of buildings
Р	- total number of different sets of drawings

□ Contract admin fee (stage 5) calculated on total cost of project.

Alteration / additions fees

- Alteration fees are applicable to all the different stages, including design, documentation and supervision.
- □ Add 30% towards portion of fee.

Ratios

- □ A project can consist of new work, repetition work and alterations.
- In order to calculate professional fees due, the ratio of each portion should be calculated in relation to the complete project.
- EXAMPLE

An office complex is constructed with three identical office blocks. The construction cost of each new office block is N\$ 3,752,675.00 incl. VAT. There are also some changes made to existing office block on the same site. Calculate the ratios for professional fees for the following project.

Additional information:

Site works	N\$ 4,628,800.00 excl. VAT
Alterations	N\$ 1,734,320.00 incl. VAT

Example - ratios

The first step is to ensure all amounts exclude VAT for calculation.

Office block	= N\$ 3,752,675.00 - VAT portion
	= N\$ 3,752,675.00 - N\$ 489,479.35 = N\$ 3,263,195.65
Alterations	= N\$ 1,734,320.00 - VAT portion
	= N\$ 1,734,320.00 - N\$ 226,215.65 = N\$ 1,508,104.35

Next step is to determine value of new work, repetition and alterations.

New works	= N\$	3,263,195.65	 one office block
	= N\$	4,628,800.00	- site works
	= N\$	7,891,995.65	- total new work
Repetition	= N\$	6,526,391.30	- two repeated office blocks
Alterations :	= N\$	1,508,104.35	- total alterations
Total constructions cost:	= N\$	15,926,491.30	

Example - ratios cont.

RATIOS

Ratio new work :	N\$ 7,891,995.65 / N\$ 15,926,491.30	=	49.55%
Ratio repetition :	N\$ 6,526,391.30 / N\$ 15,926,491.30	=	40.98%
Ratio alterations :	N\$ 1,508,104.35 / N\$ 15,926,491.30	=	9.47%
		=	100.00%

DOCUMENTATION FEES

- Total fees is sum of fees on different kinds of work
- \Box Fees new work = full fee x ratio new
- □ Fees repetition as per repetition formula x ratio rep
- \Box Fees alteration fee = full fee ratio alt + 30%

CONTRACT ADMIN FEES

- \Box Fees on new and repetition = full fee
- \Box Fees alteration = full fee + 30%

Time charges

- The hourly rate chargeable by Principal members/directors is set out in terms of subsection (6) of section 7 of the Architects' and Quantity Surveyors' Act. (Act No. 13 of 1979). This is for additional services.
- \Box This amount is currently N\$ 2,099.28/hour.
- Staff time charges are calculated as follows:

- Example : salary of N\$ 21,000.00 per month
 time charge = N\$ 21,000.00 x 13 (= 12 months + bonus) x 0.15 /100
 = N\$ 409.50 per hour
- □ VAT to be added to all time charges.

Other charges

- Disbursements : e.g printing costs
- Travel costs (for government projects separate flight travel cost)
- Travel time (include actual travel and non productive time)

ALL ITEMS TO INCLUDE VAT

Calculation of total fees

Professional fees to date

Less:	Previously paid
	SUB-TOTAL
Add:	Time charges
<u>Add:</u>	Disbursements
<u>Add:</u>	Travel costs
<u>Add:</u>	VAT on above
	TOTAL (VAT-able)
Add:	non VAT amount
	TOTAL DUE

DISBURSEMENT AND TRAVEL COST VAT ONLY CHARGEABLE IF NOT INCLUDED

Exercise - documentation

Information received

- □ Scope of project
- Breakdown of estimate
- Breakdown of contract sum
- Valuation details of valuation 13 & 14
- 2017 question 1.1
- Basson Architects has previously claimed for the concept design and was paid the amount of N\$ 378,200.00 (no disbursements charged).
- Calculate the professional fee account for Basson Architects after completion of full documentation based on the estimate.

Exercise documentation – step 1 : ratios

First step is to determine value of new work, repetition and alterations.

New work	= N\$	1,555,000.00	- barrack male		
	= N\$	1,750,000.00	- barrack female		
	= N\$	3,450,000.00	- mess, kitchen		
	= N\$	5,300,000.00	- laundry, workshop		
	= N\$	875,000.00	- cell block		
	= N\$	2,500,000.00	- external works		
Total new work :	= N\$	15,430,000.00	- total new work	=	63.64%
Repetition	= N\$	4,665,000.00	- 3 x barrack male		
	= N\$	1,750,000.00	- 2 cell block		
Total repetition :	= N\$	6,415,000.00	- total repetition	=	26.46%
Alterations :	= N\$	2,400,000.00	- total alterations	=	9.90%
Total cost :	= N\$:	24,245,000.00		=	100.00%

Exercise documentation - step 2 : cost of works

Next step is to determine the cost of works.

Total es	timated cost (incl. VAT)	N\$	32,763,500.00
Less:	VAT	N\$	4,273,500.00
Less:	Escalation	N\$	1,750,000.00
Less:	Contingencies	N\$	2,495,000.00
SUB-TC	DTAL	N\$	24,245,000.00
<u>Add:</u>	VAT	N\$	3,636,750.00
TOTAL		N\$	27,881,750.00

Exercise documentation – step 3 : table



PERCENTAGE FEES FOR WORKS

Cost of	f Works	Column A Fee for buildings other than	Column B	Coloumn C
(in Namibi	an Dollars)	simple or complex (in Namibian Dollars)	Fee for simple buildings (in Namibian Dollars)	Fee for complex buildings (in Namibian Dollars)
0 t	o 440,000	0.00 + 7.5% of cost	0.00 + 6.5% of cost	0.00 + 8.50% of cost
440,001 t	o 880,000	2,200.00 + 7.0% of cost	2,200.00 + 6.0% of cost	2,200.00 + 8.00% of cost
880,001 t	o 1,760,000	4,400.00 + 6.75% of cost	4,400.00 + 5.75% of cost	4,400.00 + 7.75% of cost
1,760,001 t	o 3,520,000	8,800.00 + 6.5% of cost	8,800.00 + 5.5% of cost	8,800.00 + 7.5% of cost
3,520,001 t	o 7,040,000	17,600.00 + 6.25% of cost	17,600.00 + 5.25% of cost	17,600.00 + 7.25% of cost
7,040,001 t	o 14,080,000	35,200.00 + 6.0% of cost	35,200.00 + 5.0% of cost	35,200.00 + 7.0% of cost
14,080,001 t	o 28,160,000	70,400.00 + 5.75% of cost	70,400.00 + 4.75% of cost	70,400.00 + 6.75% of cost
28,160,001 t	o 56,320,000	140,800.00 + 5.5% of cost	140,800.00 + 4.5% of cost	140,800.00 + 6.5% of cost
56,320,001 t	o 112,640,000	281,600.00 + 5.25% of cost	281,600.00 + 4.25% of cost	281,600.00 + 6.25% of cost
112,640,001 t	o 225,280,000	563,200.00 + 5.0% of cost	563,200.00 + 4.0% of cost	563,200.00 + 6.0% of cost
Ove	er 225,280,000	0.00 + 5.25% of cost	0.00 + 4.25% of cost	0.00+ 6.25% of cost

Police station = complex buildings / project \rightarrow use column C Cost of works is N\$ 27,881,750.00 \rightarrow use appropriate row

Exercise documentation – step 4 : full fees

Professional fees:

N\$ 70,400.00 + (6.75% of cost of works)

- = N\$ 70,400.00 + (6.75% of N\$ 27,881,750.00)
- = N\$ 70,400.00 + N\$ 1,882,018.13
- = **N\$ 1,952,418.13** (full fees excl. VAT)

Exercise documentation - step 5 : ratio fees

Documentation fees repetition portion :

value of N = 5 value of P = 2 = N\$ 1,952,418.13 x 75 % x 26.46 % x $(5 + 2 \times 2) / 4 \times 5$ = N\$ 174,355.82 (documentation fees repetition excl. VAT)

Documentation fees alteration portion :

= N\$ 1,952,418.13 x 75 % x 9.90 % x 130 %

= N\$ 188,457.16 (documentation fees alteration excl. VAT)

Documentation fees new portion :

= N\$ 1,952,418.13 x 75 % x 63.64 %

= N\$ 931,889.17 (documentation fees new excl. VAT)

Total documentation fees :

= N\$ 1,294,702.15

Exercise documentation – step 6 : calculation

Completion of documentation = stage	1 to $4 =$ full documentation fee
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	Professional fees	N\$ 1,294,702.15
Less:	Previously paid	N\$ 328, 869.57
	FEES DUE	N\$ 965,832.58
<u>Add:</u>	Time charges	NIL
Add:	Disbursements	NIL
<u>Add</u> :	Travel / Accomm.	NIL
	SUB-TOTAL	N\$ 965,832.58
<u>Add:</u>	VAT on above	N\$ 144,874.89
	TOTAL DUE	N\$ 1,110,707.47

Exercise - contract admin

2017 question 1.2

- Calculate Basson Architects' inspection fees based on the payment certificate No 14, with following information:
- The same ratios of type of work: repetitions, alterations and new work are applicable to the contract sum, as to the cost estimate
- Basson Architects did not claim any inspection fees prior to issue of payment certificate No 14
- Disbursements for 15 site visits to date:
- □ Time charge : 5 hours per trip at minimum hourly fee
 - □ Note : 12 x old rate and 3 x new rate (as from 1 April 2017)
- \Box 15 x ticket with Air Namibia at N\$3,950.00 each
- Cost of printing of the drawings to date at N\$ 16,330.00 (incl VAT)

Exercise contract admin- step 1 : table



PERCENTAGE FEES FOR WORKS

Cost of	Works	Column A Fee for buildings other than	Column B	Coloumn C
(in Namibi	an Dollars)	simple or complex (in Namibian Dollars)	Fee for simple buildings (in Namibian Dollars)	Fee for complex buildings (in Namibian Dollars)
0 t	o 440,000	0.00 + 7.5% of cost	0.00 + 6.5% of cost	0.00 + 8.50% of cost
440,001 t	o 880,000	2,200.00 + 7.0% of cost	2,200.00 + 6.0% of cost	2,200.00 + 8.00% of cost
880,001 t	o 1,760,000	4,400.00 + 6.75% of cost	4,400.00 + 5.75% of cost	4,400.00 + 7.75% of cost
1,760,001 t	o 3,520,000	8,800.00 + 6.5% of cost	8,800.00 + 5.5% of cost	8,800.00 + 7.5% of cost
3,520,001 t	o 7,040,000	17,600.00 + 6.25% of cost	17,600.00 + 5.25% of cost	17,600.00 + 7.25% of cost
7,040,001 t	o 14,080,000	35,200.00 + 6.0% of cost	35,200.00 + 5.0% of cost	35,200.00 + 7.0% of cost
14,080,001 t	o 28,160,000	70,400.00 + 5.75% of cost	70,400.00 + 4.75% of cost	70,400.00 + 6.75% of cost
28,160,001 t	o 56,320,000	140,800.00 + 5.5% of cost	140,800.00 + 4.5% of cost	140,800.00 + 6.5% of cost
56,320,001 t	o 112,640,000	281,600.00 + 5.25% of cost	281,600.00 + 4.25% of cost	281,600.00 + 6.25% of cost
112,640,001 t	o 225,280,000	563,200.00 + 5.0% of cost	563,200.00 + 4.0% of cost	563,200.00 + 6.0% of cost
Ove	er 225,280,000	0.00 + 5.25% of cost	0.00 + 4.25% of cost	0.00+ 6.25% of cost

Police station = complex buildings / project \rightarrow use column C Cost of works is N\$ 34,379,250.00 \rightarrow use appropriate row

Exercise contract admin – step 2 : full fees

Professional fees:

N\$ 140,800.00 + (6.5% of cost of works)

- = N\$ 140,800.00 + (6.5% of N\$ 34,379,250.00)
- = N\$ 140,800.00 + N\$ 2,234,651.25
- = **N\$ 2,375,451.25** (full fees excl. VAT)

Exercise contract admin – step 3 : ratio fees

Admin fees repetition :

= N\$ 2,375,451.25 x 25 % x 26.46 %

= N\$ 157,136.10 (admin fees repetition excl. VAT)

Admin fees alteration :

= N\$ 2,375,451.25 x 25 % x 9.90 % x 130 %

= N\$ 76,430.14 (admin fees alteration excl. VAT)

Admin fees new :

= N\$ 2,375,451.25 x 25 % x 63.64 %

= N\$ 377,934.29 (admin fees new excl. VAT)

Total admin fees :

= N\$ 611,500.54

Exercise contract admin - step 4 : disbursem

Time charges :

= 12 trip x 5 h x N 1,577.23 + 3 trip x 5 h x N 1,734.95

= **N\$ 120,658.05** (time charges excl. VAT)

Printing costs :

must be excluding VAT for calculation

= N\$ 16,330.00 / 1.15

= **N\$ 14,200.00** (printing costs excl. VAT)

Flight costs (No VAT charged):

 $= 15 \times N$ \$ 3,950.00

= N\$ 59,250.00 (flight costs excl. VAT)

Exercise contract admin – step 5 : calculation

	Contract admin fees	N\$	611,500.54
Ratio :	N\$ 12,980,900.00 (excl)		43.42 %
	PROF FEES DUE	N\$	265,513.53
<u>Add:</u>	Time charges	N\$	120,658.05
<u>Add:</u>	Disbursements	N\$	14,200.00
	SUB-TOTAL	N\$	400,371.58
Add:	VAT on above	N\$	60,055.74
	SUBTOTAL VAT portion	N\$	460,427.32
<u>Add:</u>	Amount 0% VAT	N\$	59,250.00
	TOTAL	N\$	519,677.32 (now due)