

FIRE DETECTION INSTALLATION BILLS OF QUANTITIES					
Project Name : LAHAE LA SARS - BLOCK EF				Date:	2022/08/15
Drawing Reference : 21B09-D-607-01				Page	1 of 5
Location : BROOKLYN				Prepared by:	A.R
Floor level : FIRST STOREY				Revision:	2
<b>BILL N°1 PRELIMINARY AND GENERAL ITEMS</b>					
item	Description	Unit	Qty.	Rate	Amount R            c
	<b>ALL ITEMS SHALL BE PRICED INDIVIDUALLY AS A LUMP SUM WILL NOT BE ACCEPTABLE!</b>				
	Tenderer shall allow for whatever cost he may consider necessary for Preliminary and General Items to carry out the Fire Detection Installations in full, as detailed in the drawings, Specifications and Schedules, which shall include, but shall not be limited,				
1.1	Testing & Commissioning of installation	Item	1		
1.2	Clearing	Item	1		
1.3	Site meetings	Item	1		
1.4	Installation - shop drawings	Item	1		
1.5	Submission of electrical requirements for installation	Item	1		
1.6	Labelling of equipment	Item	1		
1.7	Operation and maintenance manuals 3-off paper and 3-off pdf electronic copies on a CD	Item	1		
1.8	Provision of As built Drawings and documents	Item	1		
1.9	Any necessary calculations requested by the engineer	Item	1		
1.10	Equipment submissions	Item	1		
1.11	Statutory authorities - site inspections	Item	1		
1.12	Training and Hand over of installation to client	Item	1		
1.13	SAQCC Certificate of competency submission	Item	1		
1.14	SANS 10139 installation and commission certification	Item	1		
1.15	Funtionality test on both normal and emergency power with Professional team and Municipal officials	Item	1		
1.16	Any other items	Item			
<b>Total for this page carried forward to final collection page:</b>					



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<b>BILL N°2 - FIRE DETECTION EQUIPMENT</b>					
Item	Description	Unit	Qty.	Rate	Amount
<b>1</b>	<b>FIRE DETECTION CONDUIT &amp; CABLES:</b>				
1.1	<b>Fire Resistant Cables:</b>				
	Supply and install fire resistant cables = PH30 in accordance with SANS 10139. Allow for cabling of the appropriate diameter for the detection system				
1.1.1	Loop 1	m	1240		
1.2	<b>Conduit:</b>				
1.2.1	Supply and install of Ø 25mm steel conduits with all required accessories	m	620		
<b>2</b>	<b>FIRE DETECTION FIELD EQUIPMENT:</b>				
2.1	<b>Analogue Addressable Smoke Detectors:</b>				
2.1.2	Smoke Detectors	No.	93		
2.1.3	Detectors Bases	No.	93		
2.2	<b>Analogue Addressable Heat Detectors:</b>				
2.2.2	Heat Detectors	No.	4		
2.2.3	Detectors Bases	No.	4		
2.3	<b>Analogue Addressable Manual Fire Alarm Points:</b>				
2.3.1	Manual Fire Alarm Points	No.	2		
2.3.2	Manual Fire Alarm Point bases	No.	2		
2.3.3	Green break glass unit	No.	2		
2.3.4	Green break glass unit Point bases	No.	2		
<b>3</b>	<b>FIRE DETECTION AUXILIARY EQUIPMENT:</b>				
3.1	Alarm Sounder with Strobelights	No.	18		
3.2	Strobe Lights	No.	16		
<b>4</b>	<b>Relay/Input - Output Units</b>				
4.1	Fresh Air Fan and AC System-Stop	No.	2		
4.2	Ducted air conditions system - Stop	No.	2		
4.3	Additional Line Relays	No.	4		
4.4	Access control doors to release	No.	2		
4.5	Brackets	Item	Sum		
<b>5</b>	<b>Any item not listed (Specify)</b>				
Total for bill No.2 carried forward to final collection page:					R -





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BILL N°4					
BUILDERS' WORK					
Item	Description	Unit	Qty.	Rate	Amount R c
1	Wall Penetration For Conduit				
1.1	Ø50 Wall Penetration For Fire Detection Conduit	No.	-		
2	Trenching				
2.1	Trenching And Backfilling For Conduit	m	-		
3	Any item not listed (Specify)	Item	Sum		
Total for bill No.4 carried forward to the final collection page:					R -



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Floor level : FIRST STOREY			Revision: 2
FINAL COLLECTION PAGE			
Item	Description	Amount	
		R	c
1	Bill No. 1 Preliminary and General		
2	Bill No. 2 - BLOCK E - First Storey Fire Detection Control Equipment, Fire Detection Conduits and Cables, Fire Detection Field Equipment, Fire Detection Auxiliary Equipment		
3	Bill No. 3 Scaffolding and Erection Equipment, Project Engineering, Testing, Commissioning and Handover		
4	Bill No. 4 Builders' Work		
5	Subtotal (items 1 to 6)		
8	Allow for contingencies associated with any changes during construction. Related to the following:	R	30 000.00
8.1	After hours work R 20 000.00		
8.2	Health and safety file R 10 000.00		
9	Subtotal (Item 7 and 8)		
10	Add VAT (15% of The item 9 )		
11	Total Contract Value (Items 9 and 10 )		
Total Contract Value Carried to Main Contractor's Bill		R	-

