

Wi-Fi Survey Report

Ain shams University - Faculty of Engineering

17 / 7 / 2017



? Site Data

Site Address	1 Elsarayat St. beside Abdo Basha Sq., Abbaseya, 11517 Cairo, Egypt	
Coordinates (Lat. – Long.)	30.064570°	31.278872°
Contact (Name – Phone)	Eng. Ahmed Zinhom	01002867377
	Eng. Amr (IT)	01065432631
Site Category	Wi-Fi - University	
Number of Floors	4 Building	
Mounting Method	On Wall	

? Planned APs

No of APs		
	0	12
Total	12	

? Backhauling

MW	<input checked="" type="checkbox"/>
Landlines	<input type="checkbox"/>
Local Loop	<input type="checkbox"/>

MW High Level Design		
Fiber Cables	Ethernet	DSLAM
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Backhauling Description

From MW-UP to Router then to

Main Switch > Main Building – IT Room >

OAP 1 > The Front side of Main Building at Right > Outdoor AP > G Floor

From Main Switch then to

Switch 1 > Main Building – at corridor in the Right side of Building >

OAP 2 > At Student Affairs > Outdoor AP > G Floor

OAP 3 > At Food Court > Outdoor AP > G Floor

OAP 10 > The Front side of Main Building at Left > Outdoor AP > G Floor

Switch 2 > Main Building – at corridor in the Left side of Building >

OAP 4 > At Workshops > Outdoor AP > G Floor

OAP 5 > At Scientific library > Outdoor AP > G Floor

Switch 3 > Architecture Department Building – IT Room >

OAP 6 > On Architecture Department Building > Outdoor AP > G Floor

Switch 4 > The New Building – IT Room >

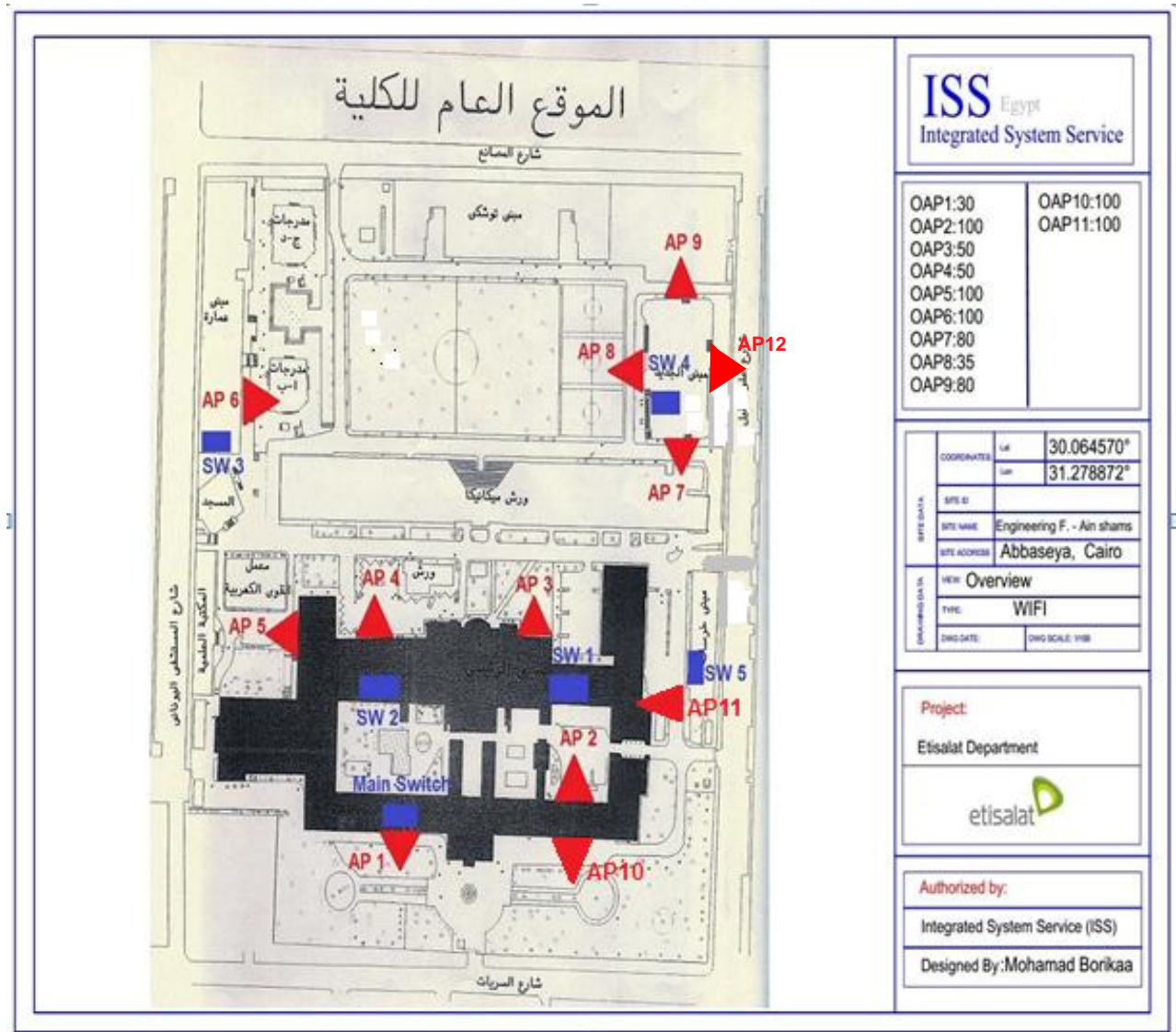
OAP 7 > The Left side of The New Building > Outdoor AP > G Floor

OAP 8 > The Front side of The New Building > Outdoor AP > G Floor

OAP 9 > The Right side of The New Building > Outdoor AP > G Floor

Switch 5 > Concrete Building (Kharasana Building) – IT Room >

OAP 11 > The Inside of Concrete Building > Outdoor AP > G Floor



- Proposed Backhauling

Equipment Room - Main Building



Planned AP Location

Main Building - The Front side of Main Building at Right



Main Building - At Student Affairs



Main Building - At Food Court



Main Building - The Front side of Main Building at Left



Main Building - At Workshops



Main Building - At Scientific library



Architecture Department Building



The New Building - The Left side



The New Building - The Front side



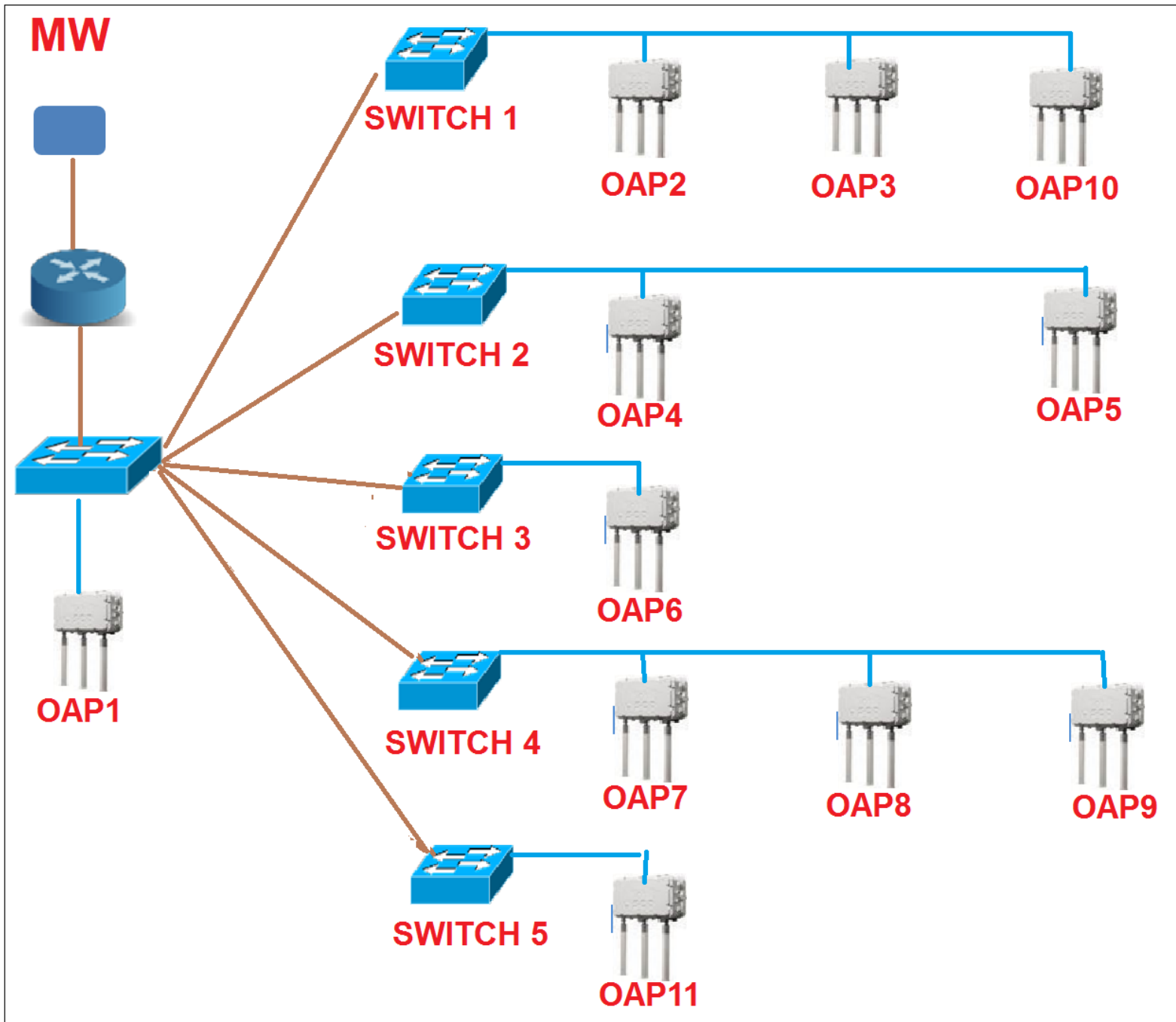
The New Building - The Right side







Concrete Building - The Back side













Design



LEGEND

H/W	Color at layout
	Switch
	Access Point
	Modem
	Router / TP-Link Modem

	Fiber Cable
	Ethernet Cable
	Landline Cable
	Media Converter
	PoE Extender
	TP-Link Modem
	Switch
	DSLAM
	Router
	ADSL Modem

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الموارد المالية والتسهيلات المادية الداعمة

مرفق (٣ - ٢٤)



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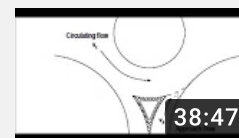
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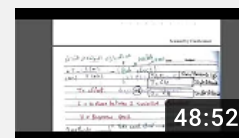
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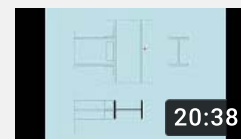
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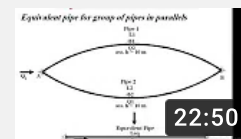
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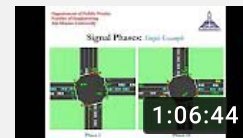
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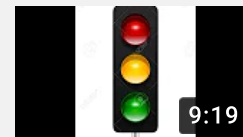
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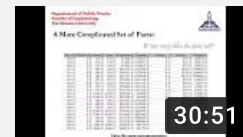
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