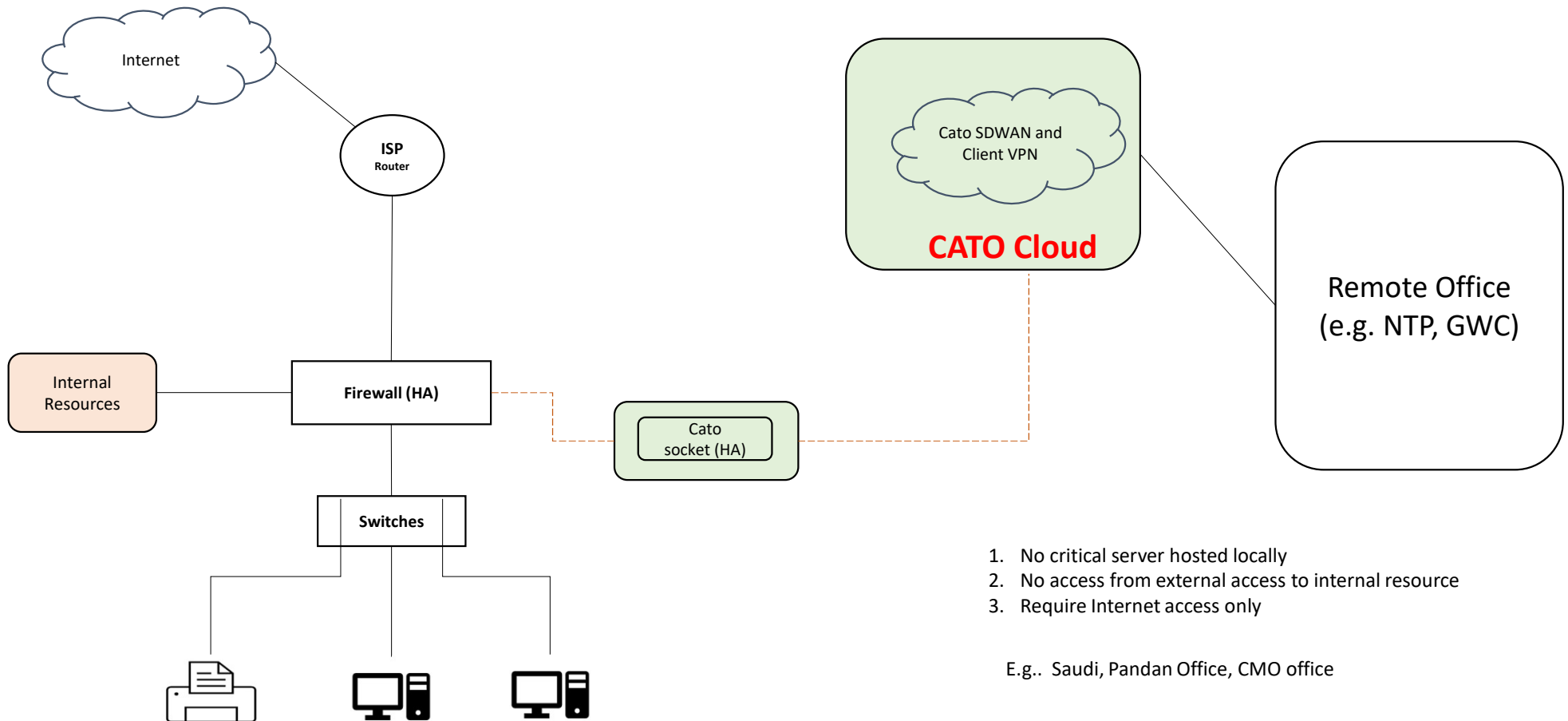


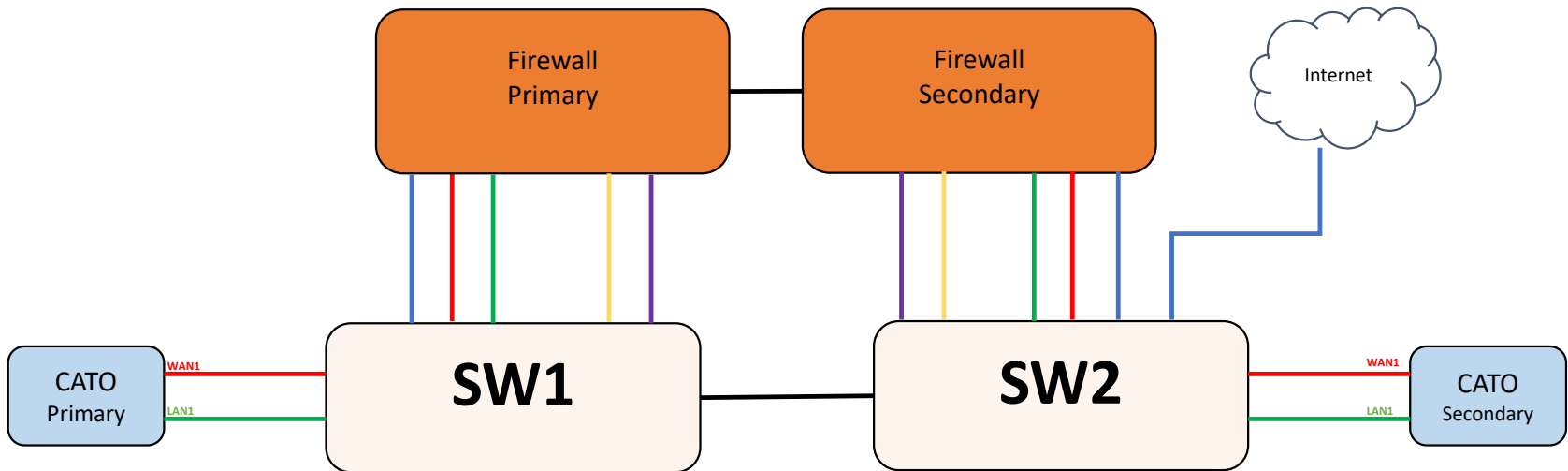
# Network & Firewall Setup



## Employee Network



## Physical Connectivity



### Public Segment

Connect Firewall, ISP Link

### VLAN xxx

Connect Firewall, CTO WAN

### VLAN xxx

Connect Firewall, CTO LAN

### VLAN xxx

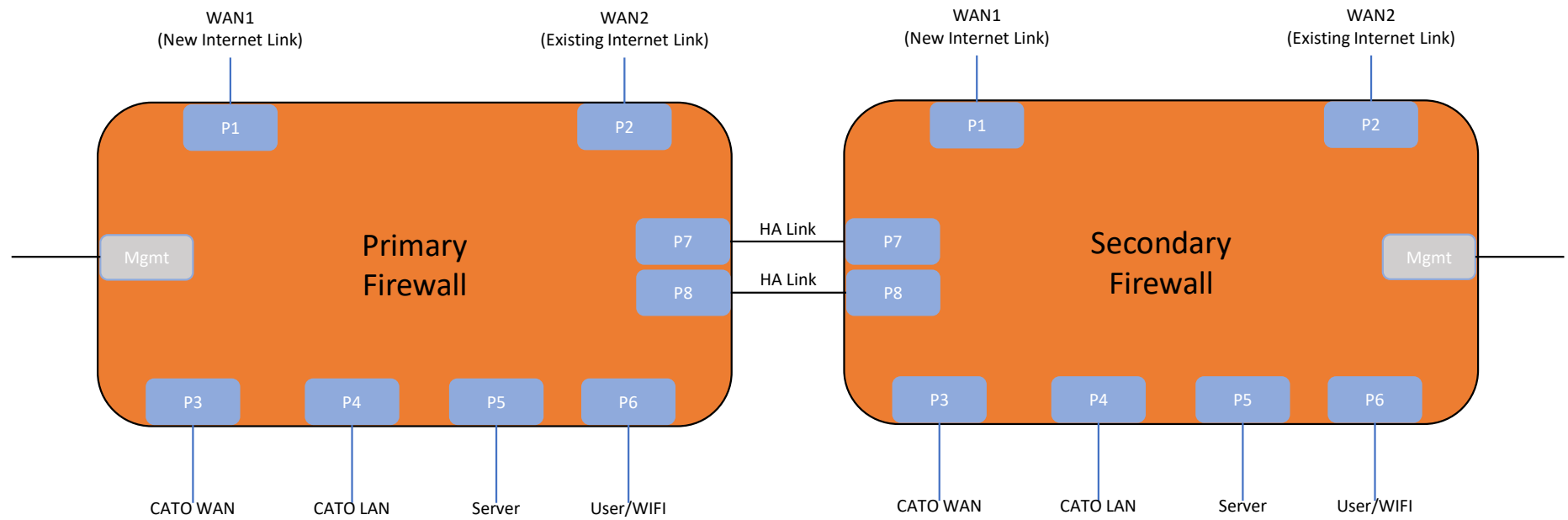
Connect Firewall, LAN (Data, Wireless)

### VLAN xxx

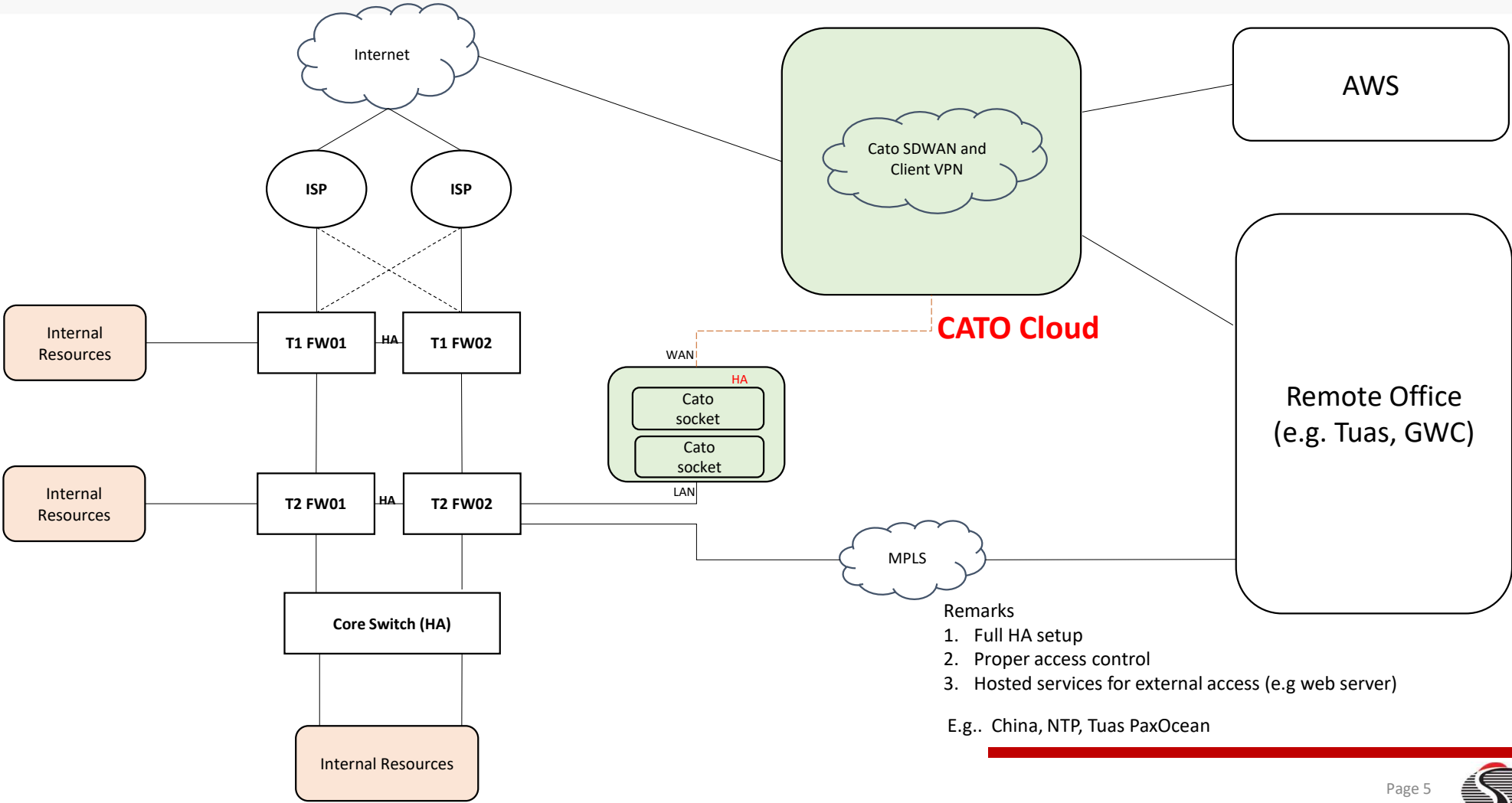
Connect Firewall, Server, Door Access



## Firewall Design



Business Network



# Security Baseline controls

| Baseline security controls for Endpoints, Perimeter and Network/Cloud |

## Endpoint (Server/User)

### Desktop / Laptop

1. Aruba NAC ClearPass OnGuard (End-user Windows OS)
2. BitLocker (End-user Windows OS)
3. CATO VPN (End-user Windows/MAC OS)
4. SentinelOne MDR (End-user Windows/MAC OS)
5. Tanium (End-user Windows OS)

### Mobile / Tablet

1. CATO VPN (iOS/Android)
2. CheckPoint Harmony Protect (iOS/Android)
3. Microsoft Authenticator (iOS/Android)
4. Microsoft Intune/Company Portal (iOS/Android)

### Server / Virtual Server

1. CrowdStrike Falcon Complete MDR (Windows/Linux OS)
2. Tanium (Windows/Linux OS)
3. TrendMicro Deep Security (Windows/Linux OS)

## Network (Office/Data Center)

### Perimeter Firewall

1. Palo Alto Networks Firewall PA440 (small size offices)
2. Palo Alto Networks Firewall PA450 (mid size offices)
3. Palo Alto Networks Firewall PA3220 (GWC)
4. Palo Alto Networks Firewall PA3220 (Data center)
5. Palo Alto Networks Virtual Firewall (AWS)

### SD WAN / VPN concentrator

1. CATO socket (office/Data center)

### Network Switch

1. Meraki MS250 (Core Switch – Small size offices)
2. Meraki MS350 (Core Switch – Mid size offices)
3. Meraki MS225 (Access switch)
4. Meraki MR44, MR46 (Wireless AP +POE)
5. Cisco Catalyst 9300 series (DC Core Switch)
6. Cisco Catalyst 9200 series (DC Data Switches)

# Appendix

