

DRN: _____

**SUPPLY, DELIVERY AND INSTALLATION OF NETWORK INFRASTRUCTURE
FOR DSWD FIELD OFFICES
(ITB No. GOP/20-DSWD-016)
03 JANUARY 2020 | 02:00 PM
OUS-DRMG Conference Room, Directors Dormitory, DSWD Central Office**

MINUTES OF PRE-BID CONFERENCE

I. Attendance

Bids and Awards Committee (BAC):

- | | | |
|-----------------------------------|---|--------------------|
| 1. U/Sec. Felicisimo C. Budiongan | - | Chairperson |
| 2. U/Sec. Rene Glen O. Paje | - | Regular Member |
| 3. Dir. Andrew J. Ambubuyog | - | Provisional Member |

BAC Secretariat:

- | | | |
|-------------------------------|---|------------------------------------|
| 1. Ms. Oliva C. Arcaina | - | Supervising Administrative Officer |
| 2. Mr. William V. Garcia Jr. | - | Administrative Officer V |
| 3. Mr. Ramon M. Villareal Jr. | - | Administrative Officer V |
| 4. Mr. Ramises B. Esteban | - | Administrative Officer III |
| 5. Ms. Danilyn A. Dedeles | - | Administrative Assistant III |
| 6. Ms. Marden D. Aquino | - | Administrative Assistant III |

Others in Attendance:

- | | | |
|---------------------------|---|---|
| 1. Mr. Dennis S. Asuncion | - | Information and Communications
Technology Management Service (ICTMS) |
|---------------------------|---|---|

Prospective Bidder/s Present:

- | | | |
|------------------------------|---|---------------------------------|
| 1. Mr. Patrenio Malesido Jr. | - | AG Datacom Phils., Inc. |
| 2. Mr. Manuel E. Geronimo | - | Manstech |
| 3. Mr. Ryelan Bautista | - | Accent Micro Technologies, Inc. |

II. Call to Order

The Pre-Bid Conference for the **“Supply, Delivery and Installation of Network Infrastructure for DSWD Field Offices”** was called to order at **02:00 PM** by the BAC Chairperson, **U/Sec. Felicisimo C. Budiongan**. He then introduced the members of the BAC, the BAC Secretariat and the representative from the End-user (Information and Communications Technology Management Service). (*Note: The other invited observers were unable to attend.*) He also acknowledged the presence of representatives of the prospective bidders.

A copy of the Agenda is hereto attached, marked as **Annex “A”**, and made an integral part hereof.

III. Highlights of Discussion

ITEM/ PARTICULAR	ISSUES/ CONCERNS / DISCUSSIONS	AGREEMENTS/ ACTION REQUIRED
<p>Procurement Guidelines</p>	<ul style="list-style-type: none"> Ms. Arcaina (<i>BACSec</i>) presented the procurement guidelines for the information of the prospective bidders. 	
<p>Background of the Project</p>	<ul style="list-style-type: none"> Mr. Asuncion (<i>ICTMS</i>) provided the background of the project. He mentioned that the project aims to provide Local Area Network (LAN) infrastructure for DSWD Field Offices (FOs) with 10Gbps fiber optic backbones, stable structured cabling system and fully-managed enterprise class network switches to ensure faster and reliable access to DSWD's critical information systems. 	
<p>Technical Specifications</p> <ul style="list-style-type: none"> - Wireless Access Points (WAP) - Hardware: Lifetime with Next Business Day replacement 	<ul style="list-style-type: none"> Mr. Geronimo (<i>Manstech</i>) asked if the project is a total rehabilitation of the existing network infrastructure in the entire DSWD. Mr. Asuncion (<i>ICTMS</i>) clarified that the project is for the Field Offices only, and the network backbone is a total rehabilitation. Mr. Malesido Jr. (<i>AG Datacom</i>) requested for specifications of the WAP. Mr. Asuncion (<i>ICTMS</i>) replied that WAP will be removed from the requirement because of budgetary constraint. Mr. Geronimo (<i>Manstech</i>) requested to relax the warranty requirement since most brands does not support lifetime warranty. 	<ul style="list-style-type: none"> BAC and End-user resolved to delete WAP in the requirement. BAC shall issue a supplemental/ bid bulletin regarding the WAP requirement. End-user (<i>ICTMS</i>) to review the warranty requirement.

<ul style="list-style-type: none"> - Distribution Switches - Manufacturer's proposed brand is an international brand - Transfer of Technology 	<ul style="list-style-type: none"> • Mr. Asuncion (<i>ICTMS</i>) answered that the suggestion will be considered for review. • Mr. Malesido Jr. (<i>AG Datacom</i>) asked for the existing brands of the distribution switches. • Mr. Asuncion (<i>ICTMS</i>) replied that there are several brands for the existing distributions switches but all are UTP CAT6. • Mr. Bautusta (<i>Accent Micro</i>) suggested to change "marketed continuously in the Philippines" to "marketed internationally." • Mr. Asuncion (<i>ICTMS</i>) answered that the suggestion will be considered for review. • Mr. Malesido Jr. (<i>AG Datacom</i>) asked for the coverage of transfer of technology. • Mr. Asuncion (<i>ICTMS</i>) responded that DSWD will shoulder the airfare of the Field Offices participants while the service provider shall shoulder the training facility, board and lodging and exam vouchers. 	<ul style="list-style-type: none"> • BAC shall issue a supplemental/ bid bulletin, if any changes will be made, for the warranty requirement. • End-user (<i>ICTMS</i>) to review the branding requirement. • BAC shall issue a supplemental/ bid bulletin, if any changes will be made, for the branding requirement. • BAC shall issue a supplementa/ bid bulletin clarifying the coverage of the transfer of technology.
<p>Preparation of Bid Proposals</p>	<ul style="list-style-type: none"> • Ms. Arcaina (<i>BACSec</i>) reminded the prospective bidders on how to prepare bid proposal and how to accomplish the forms in the Bidding Documents. 	
<p>Deadline of Submission and Receipt of Queries and Clarifications</p>	<ul style="list-style-type: none"> • Mr. Garcia Jr. (<i>BACSec</i>) reminded the prospective bidders that queries and clarifications may be submitted to the BAC Secretariat on or before 06 January 2020, 05:00 PM, 	



	in writing or thru email at bacsec@dswd.gov.ph or thru fax at (02) 951-7116.	
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IV. Adjournment

Having no other matters for discussion, the Pre-Bid Conference was adjourned at **02:30 PM.**

Prepared by:

DANILYN A. DEDELES
Administrative Assistant III
Bids and Awards Committee Secretariat

Noted by:

OLIVA C. ARCAINA
Supervising Administrative Officer and
Officer-in-Charge, Bids and Awards
Committee Secretariat

Approved by:

FELICISIMO C. BUDIONGAN
Undersecretary and
Chairperson, Bids and Awards Committee

PRE-BID CONFERENCE

DESCRIPTION	: Supply, Delivery and Installation of Network Infrastructure for DSWD Field Offices ITB No. GOP/20-DSWD-016
DATE	: 03 January 2020
TIME	: 02:00 PM
VENUE	: OUS-DRMG Conference Room, Room 202, Directors Dormitory
PARTICIPANTS	: BAC, BAC Secretariat, ICTMS, FMS, PMS, Prospective Bidders

AGENDA

I. Call to Order

- A. Introduce the members of the BAC, the BAC Secretariat, and other DSWD Personnel present.
- B. Acknowledge the presence of all interested bidders who are in attendance.
- C. Inform the bidders that questions will be entertained after the reading of the Rules Specified in the Bidding Documents.

II. Procurement Guidelines

- A. The procurement procedure for the "**Supply, Delivery and Installation of Network Infrastructure for DSWD Field Offices**" is Competitive Bidding pursuant to the provisions of Republic Act No. 9184 (RA 9184) and its revised 2016 Implementing Rules and Regulations (IRR), otherwise known as the "Government Procurement Reform Act" (GPRA).
- B. All bids will be opened, read aloud, and recorded at the time of the bid opening. **Late bids will be marked "Late" and will be returned unopened to the bidder.** No award shall be made during the bid opening. During the bid opening, the Bids and Awards Committee (BAC) will conduct a preliminary examination of the bid proposals submitted to determine its completeness, check if the required bid security has been posted, and that the documents have been properly signed and are generally in order.
- C. Deviations

Bidders are not allowed to deviate from any of the eligibility, technical and financial specifications specified in the bidding documents. Bids exhibiting non-compliance with the specifications shall be disqualified.
- D. Evaluation and Comparison of Bids

The Procuring Entity will evaluate and compare bids, which have been determined to be responsive during the preliminary examination.

III. The Bidding Documents shall be discussed by the Head of the BAC Secretariat, particularly the following issues:

A. Eligibility and Technical Component

All the required Eligibility and Technical Documents listed on the Instructions to Bidders (ITB) and the Bid Data Sheet (BDS) shall be submitted following such order. Those documents shall be the basis of the preliminary examination of bids.

B. Financial Component

All the required Financial Documents listed in the ITB and BDS shall be submitted, following such order. Those documents will be the basis of the Preliminary Examination of the Financial Proposal during the bid opening.

C. Preliminary Examination

The BAC shall open the **Eligibility and Technical Component (first envelope)** and check the submitted eligibility and technical documents for each bidder against a checklist of required eligibility and technical documents to ascertain if they are all present, **using non-discretionary “pass/fail” criteria**. In case one or more of the required documents is missing, the BAC shall declare the eligibility and technical requirement concerned as **“failed”** and immediately return to the bidder concerned its Financial Component (second envelope). Otherwise, the BAC shall declare the said eligibility requirements as **“passed”**.

Upon completion of the preliminary examination of the Eligibility and Technical component, the BAC shall subsequently open the **Financial Component (second envelope)** and check against a checklist of required financial documents to ascertain if they are all present **using a non-discretionary “pass/fail” criteria**. In case one or more of the financial documents required are missing and/or if the submitted total bid price exceeds the Approved Budget for the Contract (ABC), the BAC shall declare the bid concerned as **“failed”**.

D. Bid Security

Each bidder shall furnish a Bid Security as part of its Bid. The Bid Security shall be in any of the form prescribed on the ITB.

E. Bid Validity Period

Bids shall be valid for **one hundred twenty (120) calendar days** from the date of the opening of bids.

F. Evaluation and Award

The BAC or the designated Technical Working Group (TWG) will conduct a detailed evaluation and comparison of all bids declared “passed”, using non-discretionary criteria. Those who complied with the criteria prescribed in the bidding documents will be ranked in ascending order of their total calculated bid prices, as evaluated and corrected for computational errors, discounts and other modifications to determine the Lowest Calculated Bid (LCB).



G. Post-Qualification

After determining the **Lowest Calculated Bid (LCB)** or **Single Calculated Bid (SCB)**, as the case maybe, the BAC shall conduct post-qualification to verify, validate, and ascertain all statements made and documents submitted by the bidder with the LCB/SCB, using non-discretionary criteria. If the BAC determines that the bidder with the LCB/SCB passes all the criteria for post-qualification, it shall declare the said bidder as the **Lowest Calculated and Responsive Bid (LCRB)** or **Single Calculated and Responsive Bid (SCRB)** and award the contract to the said bidder.

IV. Open Forum

Any clarifications, issues or concerns that are not found in the bid documents will be announced in writing through Supplemental/Bid Bulletin.

V. Adjournment

INVITATION TO BID FOR
SUPPLY, DELIVERY AND INSTALLATION OF NETWORK
INFRASTRUCTURE FOR DSWD FIELD OFFICES
— ITB No. GOP/20-DSWD-016 —
(PR No. 2019101777)

1. The **Department of Social Welfare and Development (DSWD)**, through the **DSWD Funds**, intends to apply the sum of **Seventy-One Million Four Hundred Five Thousand Pesos (PHP 71,405,000.00)**, being the Approved Budget for the Contract (ABC) to payments under the contract for the **Supply, Delivery and Installation of Network Infrastructure for DSWD Field Offices**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
 2. The DSWD now invites registered Philippine Government Electronic Procurement System (PhilGEPS) service providers to bid for the **Supply, Delivery and Installation of Network Infrastructure for DSWD Field Offices**. Delivery of Goods and Services shall be in accordance with **Section VI. Schedule of Requirements**. Bidders should have completed, **within five (5) years from the date of submission and receipt of bids**, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.
 3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the “Government Procurement Reform Act”.
- Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.
4. Interested bidders may obtain further information from **DSWD Bids and Awards Committee (BAC) Secretariat** and inspect the Bidding Documents at the address given below from **Monday to Friday at 08:00 AM to 05:00 PM**.
 5. A complete set of Bidding Documents may be purchased by interested Bidders on **26 December 2019 to 15 January 2020** from the address below and upon payment of a nonrefundable fee for the Bidding Documents in the amount of **Fifty Thousand Pesos (PHP 50,000.00)**.

It may also be downloaded free of charge from the website of the PhilGEPS and the website of the Procuring Entity, provided that Bidders shall pay the nonrefundable fee for the Bidding Documents not later than the submission of their bids.

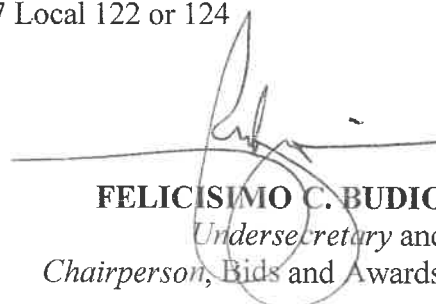
6. The DSWD will hold a **Pre-Bid Conference** on *03 January 2020, 02:00 PM*, at the **Office of the Undersecretary for Disaster Response Management Group (OUS-DRMG) Conference Room, Room 202, Directors Dormitory, DSWD Central Office, IBP Road, Constitution Hills, Quezon City** which shall be open to all interested parties.
7. Bids must be delivered to the address below on or before *15 January 2020, 09:00 AM*. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB Clause 18**.

Bid opening shall be on *15 January 2019, 02:00 PM*, at the **Office of the Undersecretary for Disaster Response Management Group (OUS-DRMG) Conference Room, Room 202, Directors Dormitory, DSWD Central Office, IBP Road, Constitution Hills, Quezon City**. Bids will be opened in the presence of the Bidders' representatives who choose to attend. Late bids shall not be accepted.

8. To facilitate the immediate implementation of the procurement of this Project, the DSWD shall proceed with the conduct of Early Procurement Activities (EPA), pursuant to Section 7.6 (as amended¹) of the 2016 Revised IRR of RA 9184, Section 19 of the General Provisions of the FY 2020 National Expenditure Program (NEP) and Government Procurement Policy Board (GPPB) Resolution No. 14-2019 dated 17 July 2019.
9. The DSWD reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Section 41 of RA 9184 and its 2016 Revised IRR, without thereby incurring any liability to the affected bidder or bidders.
10. For further information, please refer to:

THE CHAIRPERSON

DSWD Bids and Awards Committee
c/o BAC Secretariat
Ground Floor, DSWD Central Office
IBP Road, Constitution Hills, Quezon City
Fax No. (02) 931-6139
Telephone Nos. (02) 931-8101 to 07 Local 122 or 124



FELICISIMO C. BUDIONGAN
Undersecretary and
Chairperson, Bids and Awards Committee

¹ GPPB Resolution No. 14-2019 dated 17 July 2019

Section VI. Schedule of Requirements

Supply, Delivery and Installation of Network Infrastructure for DSWD Field Offices

I. Deliverables:

Project Component	DSWD FIELD OFFICES													NCR		
	FO I	FO II	FO III	FO IV-A	FO IV-B	FO V	FO VI	FO VII	FO VIII	FO IX	FO X	FO XI	FO XII		CAR AGA	CAR
Fiber Optic Backbone	150 mtrs.	330 mtrs.	150 mtrs.	196 mtrs.	150 mtrs.	200 mtrs.	250 mtrs.	256 mtrs.	150 mtrs.	200 mtrs.	592 mtrs.	706 mtrs.	175 mtrs.	260 mtrs.	585 mtrs.	210 mtrs.
Core Switch	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit
Distribution Switch	4 units	7 units	4 units	5 units	4 units	4 units	6 units	7 units	3 units	4 units	12 units	10 units	9 units	5 units	8 units	3 units
Access Switch	3 units	3 units	3 units	3 units	3 units	3 units	3 units	3 units	3 units	3 units	3 units	3 units	3 units	3 units	3 units	3 units
Network Nodes	50 units	50 units	50 units	50 units	50 units	50 units	50 units	50 units	50 units	50 units	50 units	50 units	50 units	50 units	50 units	100 units

II. Delivery Sites*:

DSWD Offices	Address
FO I	DSWD Field Office I, Quezon Ave., San Fernando City, La Union
FO II	DSWD Field Office II, 3 Pagayaya Street, Regional Government Center, Carig Sur, Tuguegarao City
FO III	DSWD Field Office III, San Fernando, Pampanga
FO IV-A	DSWD Field Office IV-A, Alabang, Muntinlupa City
FO IV-B	DSWD Field Office IV-B, 1680 F. T. Benitez St., Malate, Manila
FO V	DSWD Field Office V, Buraguis, Legazpi City, Albay
FO VI	DSWD Field Office VI, M. H. del Pilar St., Molo, Iloilo City
FO VII	DSWD Field Office VII, Cuenco St. Cor. Maxilom Ave., Cebu City
FO VIII	Field Office VIII, Magsaysay Ave., Tacloban City, Leyte
FO IX	DSWD Field Office IX, Gen. Alvarez Street, Zamboanga City, Zamboanga del Sur
FO X	DSWD Field Office X, Mastersons Ave, Upper Carmen, Cagayan De Oro City, Misamis Oriental
FO XI	DSWD Field Office XI, Suazo St. cor. Magsaysay Ave., Davao City, Davao del Sur
FO XII	DSWD Field Office XII, Purok Bumanaag, Brgy Zone 3, Koronadal City, South Cotabato
FO NCR	DSWD National Capital Region (NCR) Corner San Rafael Legarda St., Sampaloc, Manila
FO CAR	DSWD Field Office CAR, 40 North Drive, Baguio City, Benguet
FO CARAGA	DSWD Field Office CARAGA, Capitol Site, Butuan City, Agusan del Norte

The names and contact numbers of the specific focal persons in the Field Offices will be given to the awarded service provider/ supplier.

**In coordination with the ICTMS and PMS-CMD*

III. Timelines / Schedule of Deliverables:

Task	Duration
Project Implementation (120 Calendar Days)	
Submission Project Implementation Plan	10 Calendar Days
Supply, Delivery, and Installation of Fiber Optic Backbones and Structured Cabling	90 Calendar Days

Supply, Delivery, and Installation of Network Switches	90 Calendar Days
Supply, Delivery, and Installation of Wireless Access Points	90 Calendar Days
Testing and User Acceptance	10 Calendar Days
Submission of Project Documentations	10 Calendar Days
Warranty and Support	
Technical Support	3 years
Software Warranty	3 years
Hardware Warranty	Lifetime

IV. Payment Terms/Schedule:

- 70% of the total contract price shall be paid once equipment and structured cabling components are delivered; and,
- 30% of the total contract price shall be paid after successful installation, configuration, and acceptance.

Name of Bidder: _____

Name of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____

Technical Specifications

DSWD Specifications	Bidder's Specifications ⁷
<p>Supply, Delivery and Installation of Network Infrastructure for DSWD Field Offices</p> <p>1. Scope of the Project:</p> <p>1.1. The Service Provider shall provide local area network infrastructure for DSWD Field Offices which includes network switches, wireless access points, and structured cabling system;</p> <p>1.2. The Service Provider shall provide structured cabling system, 10gbps fiber optic backbones connecting Data Centers and Intermediate Distribution Frames (IDF), and 22 RU data cabinet for each IDF;</p> <p>1.3. The Service Provider shall provide 1 spare 10Gbps Transceiver per FO for the interconnection of the core switch and Firewall;</p> <p>1.4. The Service Provider shall install and configure all active components of the project;</p> <p>1.5. The Service Provider shall capacitate the network engineers of DSWD Central Office and Field Offices by providing certification and technology transfer training;</p> <p>1.6. The Service Provider shall ensure that the following Service Level Agreement is achieved:</p> <p>1.6.1. Network devices should be up 24/7;</p> <p>1.6.2. Initial response time via SMS, Call, or Email shall be 30 minutes after the issue is</p>	<p>Brand:</p> <p>Model:</p> <p>Detailed Specifications:</p>

⁷ **IMPORTANT NOTE:** Detailed specifications must be provided. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii).

reported/raised;

1.6.3. Issue resolution (issues that require remote assistance) shall be a maximum of 4 hours;

1.6.4. Response time for on-site support shall be Next Business Day after the issue is reported/raised; and,

1.6.5. Hardware replacement shall be within 3 business days.

2. Technical Specifications:

2.1. Structure Cabling System

2.1.1. The Service Provider shall provide Structured Cabling System service with the following fiber optic backbones and number of nodes:

Table 1. Fiber Optic Backbones and Network Nodes for DSWD Field Offices:

Datacenter	Intermediate Distribution frames	Distance of DC to IDF (mtrs.)	Nodes
DSWD FO1 DC	IDF1	20	50
	IDF2	70	
	IDF3	30	
	IDF4	30	
DSWD FO2 DC	IDF1	45	50
	IDF2 (2 nd Floor)	25	
	IDF3 (Basement)	25	
	IDF4 (Rooftop)	35	
	IDF5 (SOCPEN)	35	
	IDF6 (SLP)	80	
	IDF7 (Encoding)	85	
DSWD FO3 DC	IDF1 (1st flr Main bldg)	20	50
	IDF2 (2nd flr Main bldg)	10	
	IDF3 (new bldg)	50	
	IDF4 (ADMS bldg)	70	
DSWD FO4A DC	IDF1	60	50
	IDF2	50	
	IDF3	20	
	IDF4	6	
	IDF5	60	
DSWD FO4B DC	IDF1 (grd flr)	35	50

	IDF2 (2nd flr)	25	
	IDF3 (3rd flr)	20	
	IDF4 (4Ps bldg)	70	
DSWD FO5 DC	IDF1	50	50
	IDF2	50	
	IDF3	50	
	IDF4	50	
DSWD FO6 DC	IDF1 (Main bldg)	66	50
	IDF2 (1st flr Annex bldg)	34	
	IDF3 (2nd flr Annex bldg)	6	
	IDF4 (1st flr new bldg)	52	
	IDF5 (2nd flr new bldg)	48	
	IDF6 (3rd flr new bldg)	44	
DSWD FO7 DC	IDF1	5	50
	IDF2	10	
	IDF3	15	
	IDF4	20	
	IDF5	47	
	IDF6	41	
	IDF7	63	
	IDF8	55	
DSWD FO8 DC	IDF1 (1st flr new bldg)	30	50
	IDF2 (2nd flr new bldg)	45	
	IDF3 (3rd flr new bldg)	50	
	IDF4	25	
DSWD FO9 DC	IDF1	70	50
	IDF2	60	
	IDF3	50	
	IDF4	20	
DSWD FO10 DC	IDF1 (1st flr Main bldg)	28	50
	IDF2 (2nd flr Main bldg)	17	
	IDF3 (Supply bldg)	63	
	IDF4 (Haven)	35	
	IDF5 (1st flr HFG)	71	
	IDF6 (2nd flr RRSCC)	74	
	IDF8 (CIU 1st flr)	63	
	IDF9 (SLP 2nd flr)	55	

	IDF10 (new warehouse)	20	
	IDF11 (new 4th storey 1st flr)	87	
	IDF13 (new 4th storey 3rd flr)	79	
DSWD FO11 DC	IDF1 (1st flr)	48	50
	IDF2 (2nd flr)	33	
	IDF3 (3rd flr)	27	
	IDF4 (Encoding Stn)	83	
	IDF5 (Kalahi Office)	97	
	IDF6 (Pantawid Office)	115	
	IDF7 (Records Office)	61	
	IDF8 (3rd flr Amethyst)	77	
	IDF9 (2nd flr Amethyst)	80	
	IDF10 (1st flr Amethyst)	85	
DSWD FOCAR DC	IDF1	50	50
	IDF2	25	
	IDF3	60	
	IDF4	65	
	IDF5	60	
DSWD FO CARAGA DC	IDF1	120	50
	IDF2	30	
	IDF3	75	
	IDF4	125	
	IDF5	10	
	IDF6	50	
	IDF7	135	
	IDF8	40	
DSWD FO NCR DC	IDF1	80	100
	IDF2	70	
	IDF3	60	

2.2. The fiber optic backbones shall be 10gbps multimode, and shall interconnect the new core switch to the distribution switches;

2.3. The above measurements are just estimates. If the said estimates will not suffice during the implementation, the service provider should provide the additional fiber optic cables;

2.4. The Service Provider shall provide 2 runs of factory-manufactured Cat6 UTP Cables from Distribution Switches to Access Switches;

- 2.5. The Service Provider shall interconnect the existing access switch to the new Distribution Switch;
- 2.6. All network cables shall be properly terminated, tagged, documented, and tested using a certified cable tester to obtain accurate results;
- 2.7. All structured cabling system materials shall be provided by the service provider;
- 2.8. Installation shall include all civil works and labor for the cabling, demolition, excavation, and restoration of walls, floors, and other physical changes in the buildings or campus;
- 2.9. All cabling installations shall be done under the direct supervision of a Certified Structured Cabling Installer
- 2.10. Structured cabling system warranty shall be 3 years; and,
- 2.11. The brand for the cabling should be at least certified by one of the following entities: TIA, EIA, or ISO/IEC11801.

3. Network Switches

- 3.1. The Service Provider shall supply, deliver, install, and configure the following network switches in the following locations:

DSWD Office	Core	Distribution	Access
DSWD FO1	1	4	3
DSWD FO2	1	7	3
DSWD FO3	1	4	3
DSWD FO4A	1	5	3
DSWD FO4B	1	4	3
DSWD FO5	1	4	3
DSWD FO6	1	6	3
DSWD FO7	1	7	3
DSWD FO8	1	3	3
DSWD FO9	1	4	3
DSWD FO10	1	12	3
DSWD FO11	1	10	3
DSWD FO12	1	9	3
DSWD FO NCR	1	3	3

DSWD FO CAR	1	5	3
DSWD FO CARAGA	1	8	3

4. Core Switch

4.1. I/O ports and slots: at least 16 open 10GbE SFP+ transceiver slots; 24-Port Gig-T Module; 3 module slots;

4.2. Power supplies: 2 units power supplies required;

4.3. Inclusive of Management Module and transceivers;

4.4. Performance: Throughput: \geq 2160Mpps,
Routing/Switching capacity: \geq 2880Gbps;

4.5. Features:

4.5.1. Supports OpenFlow 1.0 and 1.3 or NETCONF

4.5.2. Quality of Service (QoS): Advanced classifier - based QoS, Traffic prioritization, Bandwidth shaping, Class of Service (CoS);

4.5.3. Management: Remote intelligent mirroring, RMON, and sFlow v5, IEEE 802.1AB Link Layer Discovery Protocol (LLDP), Dual flash images;

4.5.4. Connectivity: IEEE 802.3az Energy Efficient Ethernet, Jumbo frames, Auto - MDIX, IPv6;

4.5.5. Resiliency and high availability: Virtual Router Redundancy Protocol (VRRP), Redundant management and power, IEEE 802.1s Multiple Spanning Tree Protocol, IEEE 802.3ad Link Aggregation Control Protocol (LACP) and Port Trunking, Hot - swappable modules;

4.5.6. Layer 2 switching: VLAN support and tagging;

4.5.7. Layer 3 routing: Static IP routing, Routing Information Protocol (RIP) v1 and v2, OSPF, Policy - based routing, Border Gateway Protocol (BGP);

4.5.8. Security: Access control lists (ACLs), IEEE 802.1X users per port, Web - based authentication, MAC - based authentication, DHCP protection, Secure management access (CLI, GUI, MIB) thru SSHv2, SSL, and/or

SNMPv3, ICMP throttling, STP BPDU port protection, Dynamic ARP protection, STP Root Guard, Port security, MAC address lockout, Source - port filtering, RADIUS/TACACS+, Secure Shell, Secure Sockets Layer (SSL);

4.5.9. Convergence: IP multicast routing; and,

4.5.10. Able to stack on spare service port, not through additional special stacking module up to virtualize 4 devices to be one logical device.

4.6. Warranty:

4.6.1. Hardware: 3 years with Next Business Day replacement; and,

4.6.2. Software: 3 years.

5. Distribution Switch for DSWD Field Offices

5.1. Ports: 44 RJ-45 autosensing 10/100/1000 ports; 4 SFP+ Ports, 1 Dual Personality serial console port;

5.2. Power Supply: ≥ 2 power supply required;

5.3. Performance: Throughput: ≥ 112 Mpps, Switching capacity: ≥ 176 Gbps, Stacking Bandwidth: ≥ 160 G;

5.4. Inclusive of SFP+ /10GbE Transceiver;

5.5. Features:

5.5.1. Supports OpenFlow 1.0 and 1.3 or NETCONF;

5.5.2. Quality of service (QoS): L4 prioritization, Class of Service (CoS), Remote monitoring (RMON), and sFlow;

5.5.3. Connectivity -Auto-MDIX, IEEE 802.3at Power over Ethernet (PoE+), IPV6 Routing;

5.5.4. Convergence - IEEE 802.1AB Link Layer Discovery Protocol (LLDP);

5.5.5. Resiliency and high availability: IEEE 802.3ad Link-Aggregation-Control Protocol (LACP) and port trunking, Multiple Spanning Tree Protocol (STP), Virtual Router Redundancy Protocol (VRRP);

5.5.6. L2 switching: VLAN support and tagging.,

Jumbo Packets;

5.5.7. L3 routing: RIPv1 and v2, Static IP routing, OSPF, Policy-based routing, IPv4 border gateway routing protocol, route maps;

5.5.8. Supports next generation SDN protocols, including VxLAN and EVPN; and,

5.5.9. Security: Source-port filtering, RADIUS/TACACS+, Secure Shell (SSH), Secure Sockets Layer (SSL), Port security, MAC address lockout, STP bridge protocol data units (BPDUs) port protection, DHCP protection, STP root guard, ACLs, IEEE 802.1X, Web and MAC-based authentication.

5.6. Warranty:

5.6.1. Hardware: Lifetime warranty with Next Business Day replacement; and,

5.6.2. Software: 3 years.

6. Access Switch

6.1. Ports: 44 RJ-45 autosensing 10/100/1000 ports; 4 Combo 10/100/1000BASE-T PoE+ or 100/1000Mbps SFP Ports;

6.2. Power Supply: ≥ 2 power supplies required;

6.3. Performance: Throughput: ≥ 112 Mpps, Switching capacity: ≥ 176 Gbps;

6.4. Supports PoE features;

6.5. Features:

6.5.1. Supports OpenFlow 1.0 and 1.3 or NETCONF;

6.5.2. Supports Quality of Service (QoS such as: Traffic prioritization, L4 prioritization, Class of Service (CoS), Rate limiting, and Large buffers;

6.5.3. Supports Resiliency and high availability such as Multiple spanning tree protocol (STP) and IEEE802.1s and Link Aggregation Protocol (LACP);

6.5.4. Supports SNMPv1, v2 and v3;

6.5.5. Supports multiple configuration files, Remote monitoring (RMON), and sFlow;

6.5.6. Supports L2 switching features such as VLAN support & tagging, MVRP, Jumbo packet support; and,

6.5.7. Supports security features such as Access Control List (ACLs), Source port filtering, RADIUS/TACACS+, Web authentication, Secure Shell (SSH), Secure Sockets Layers (SSL), Port Security, MAC address lockout, Secure FTP, Switch management logon, DHCP Protection, STP root guard, and Dynamic ARP protection.

6.6. Warranty:

6.6.1. Hardware: Lifetime with Next Business Day replacement; and,

6.6.2. Software: 3 years.

7. List of Reports

7.1. Service Level Agreement;

7.2. Project Documentation indicating the following:

7.2.1. Campus Layout and Floor Plans indicating the location of fiber optic cable runs, MDFs, and IDFs;

7.2.2. Test results indicating test parameters such as Wire Map, Length, Propagation Delay, Delay Skew, Insertion Loss, Return Loss, and Attenuation to Crosstalk ratio;

7.2.3. Node Mapping (Distribution Switch – Access Switch – Wireless Access Point - Location); and,

7.2.4. Installation pictures.

8. Qualifications of Service Provider

8.1. The Service Provider should have done at least five (5) successful projects involving the quoted service with certifications and proof of satisfactory service from previous or existing clients;

8.2. The offered brand for the switches and wireless access should have at least five (5) existing medium to

large-scale deployments (at least 200 units deployment each for switches and wireless access points) in the Philippines or Internationally;

8.3. Manufacturer's proposed brand is an International Brand Name, which means that the brand is known and marketed globally and have international presence (physical stores, centers, or satellite offices) in at least 5 countries. Further, the brand should be sold and marketed continuously in the Philippines for the last ten (10) years.;

8.4. The Service Provider should have been in the business of providing networking services and structured cabling system for the last 10 years;

8.5. The Service Provider should have certified Engineers of the offered brand both network equipment and cabling; and,

8.6. The Service Provider should have a Project Manager who is a Project Management Professional (PMP) certified and have 5 years of project management experience managing nationwide deployment.

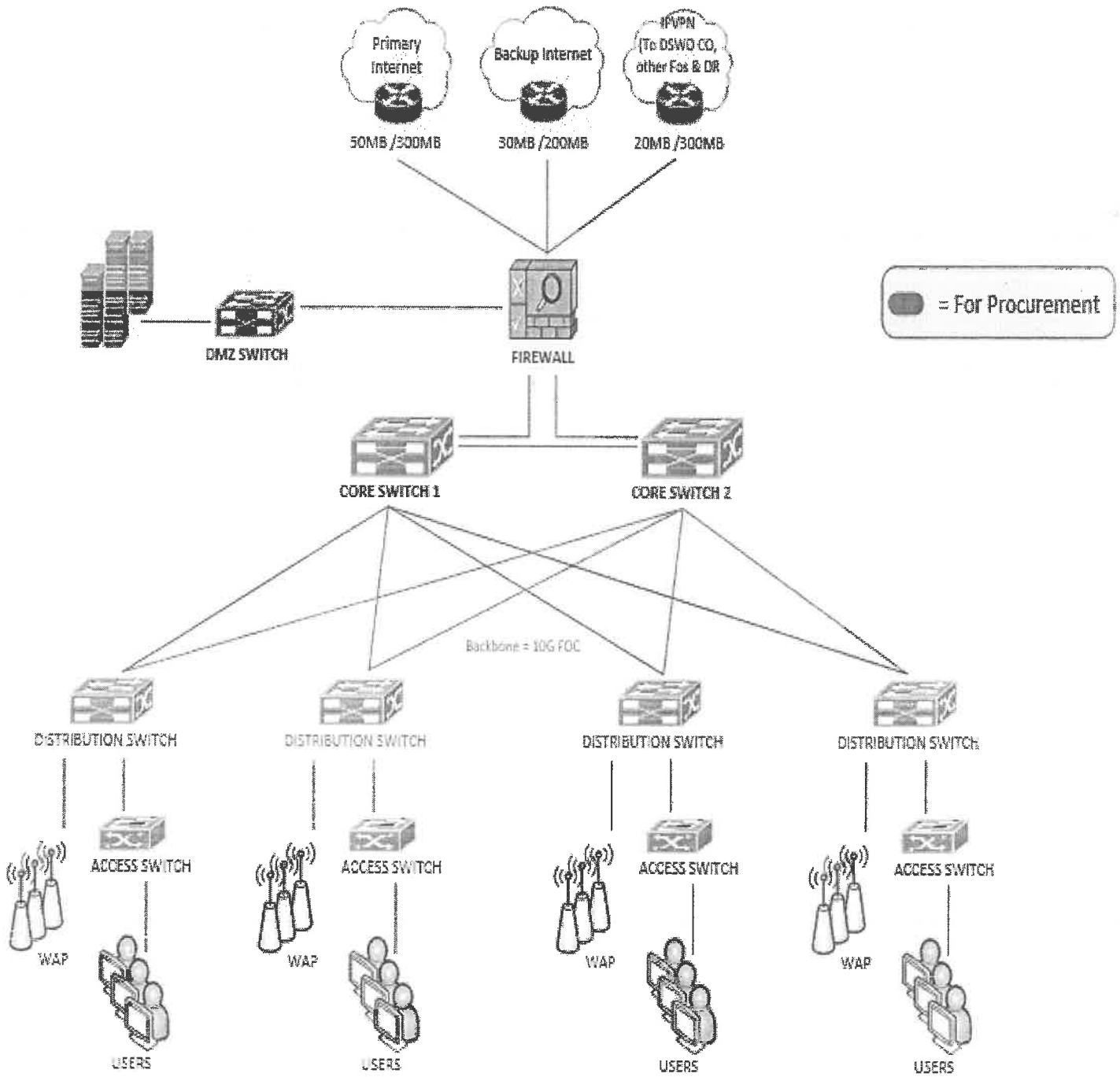
9. Transfer of Technology

9.1. The Service Provider shall provide Certification Training for Routing and Switching of the offered brand for 35 pax inclusive of board and lodging and exam vouchers.

10. NETWORK DIAGRAMS: Refer to Annex "A"

11. FLOOR PLANS (Nodes Location and IDF may change): Refer to Annex "B"

Annex A NETWORK DIAGRAMS

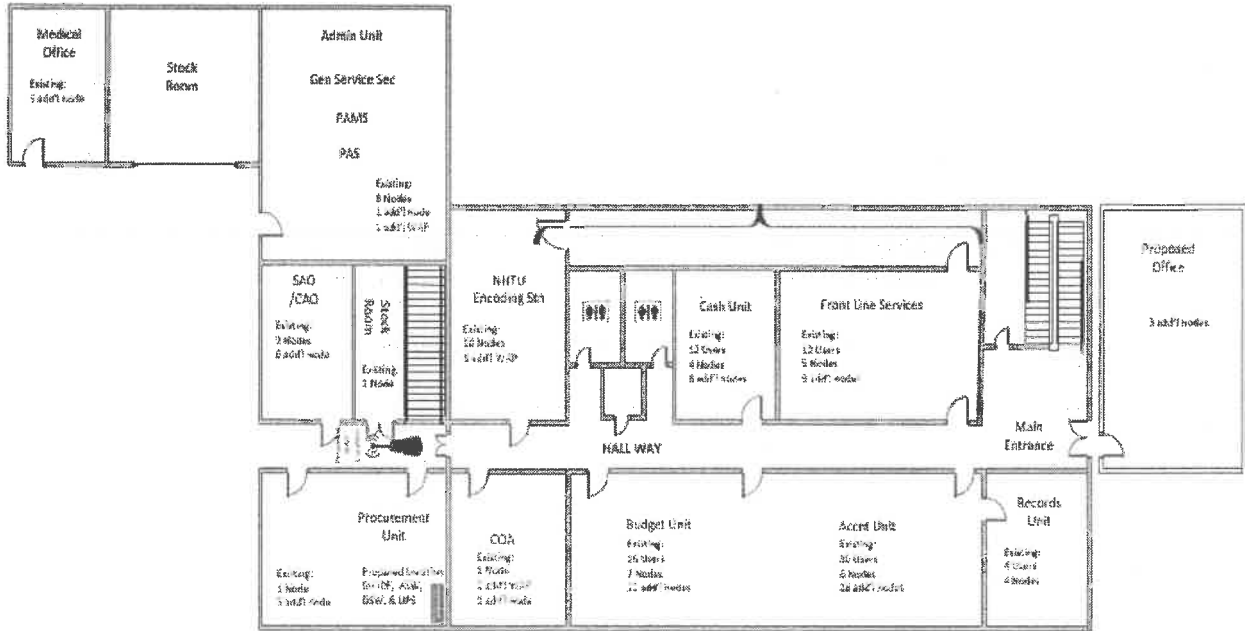


Annex B

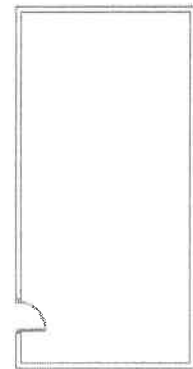
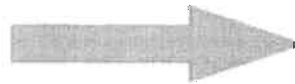
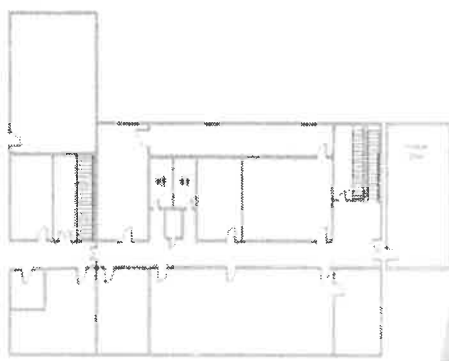
FLOOR PLANS (Nodes location and IDF may change)

FO I

FO1 Ground Floor Plan



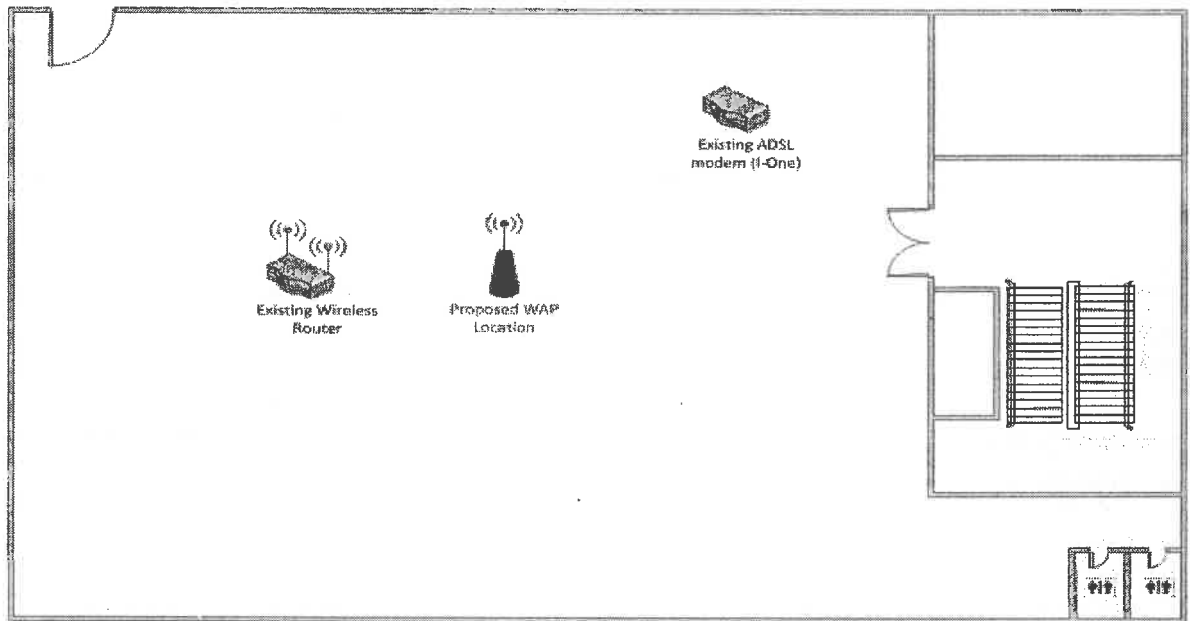
FO1 Proposed Ground Floor Extension Office Floor Plan



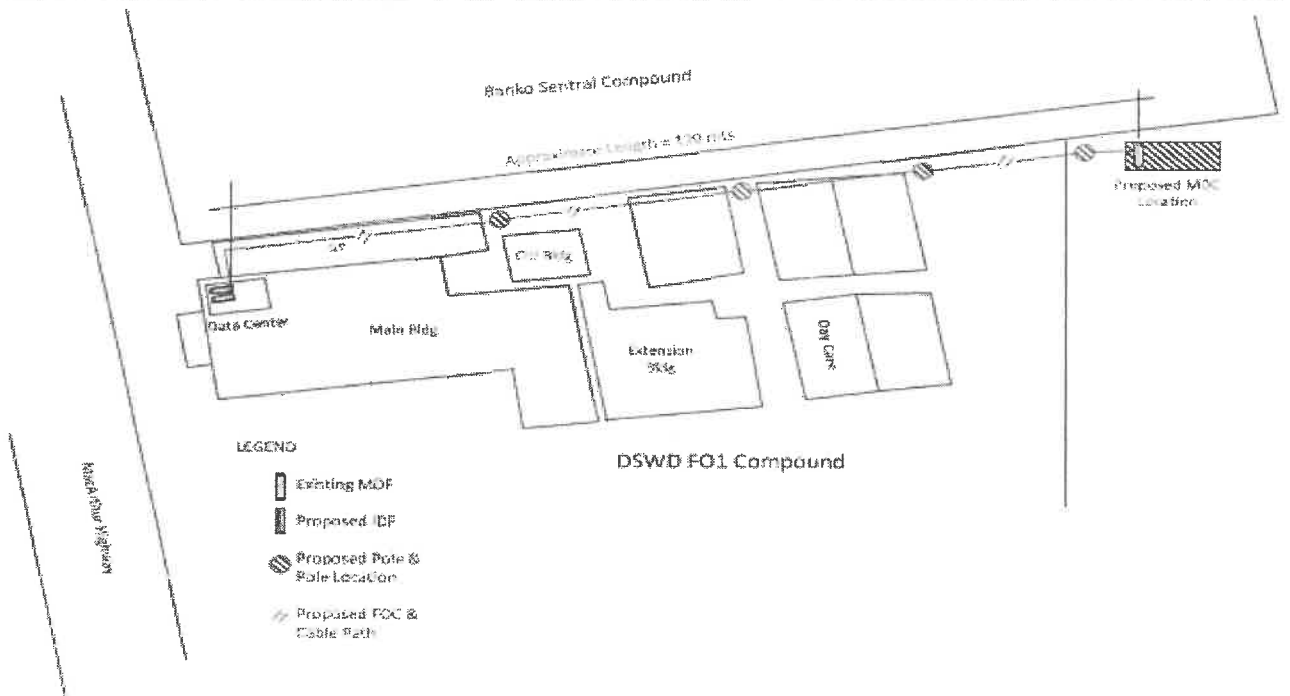
Proposed Extension Office Space

PROPOSED REQUIREMENTS
 3 Nodes
 *Proper location for the proposed Nodes, will be determined by the RICTMU

FO1 4th Floor RPMO Floor Plan

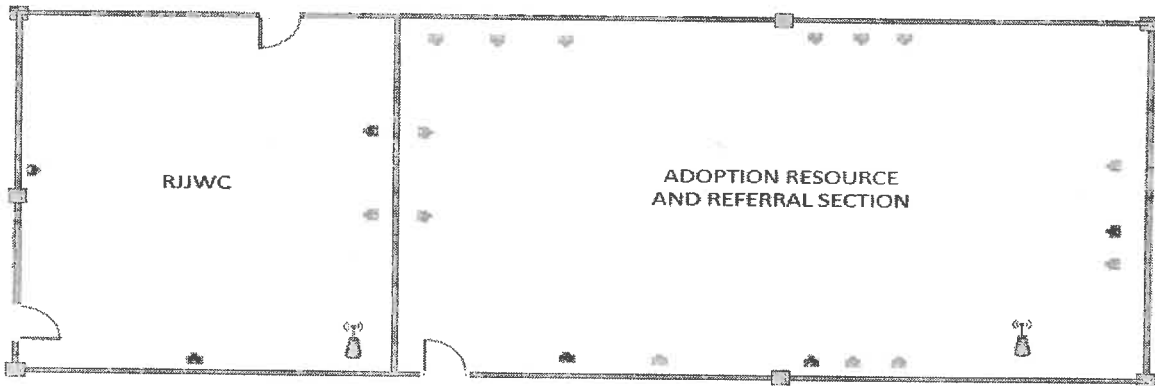


FO1 Proposed MDC Location and FOC Cable Path

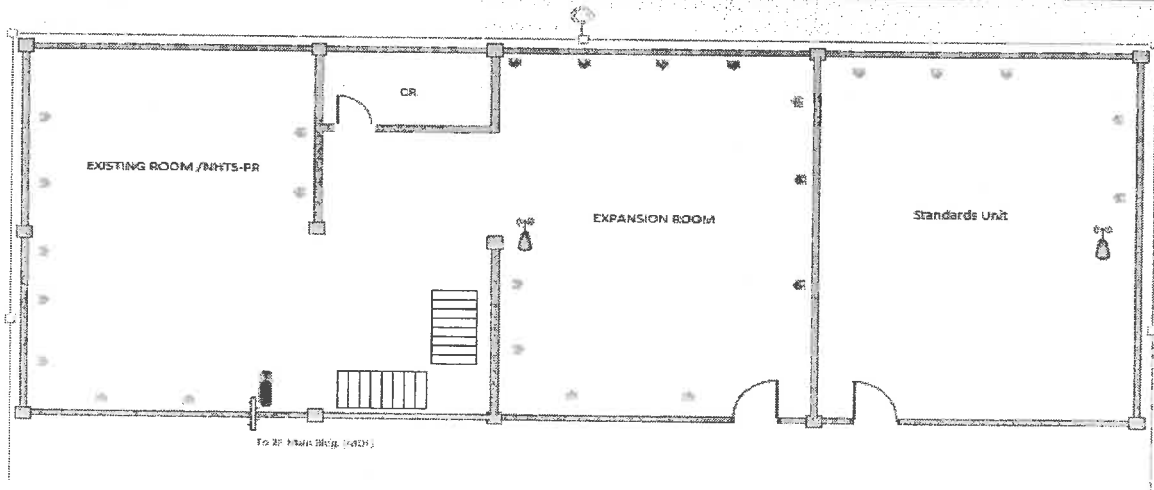


FO II

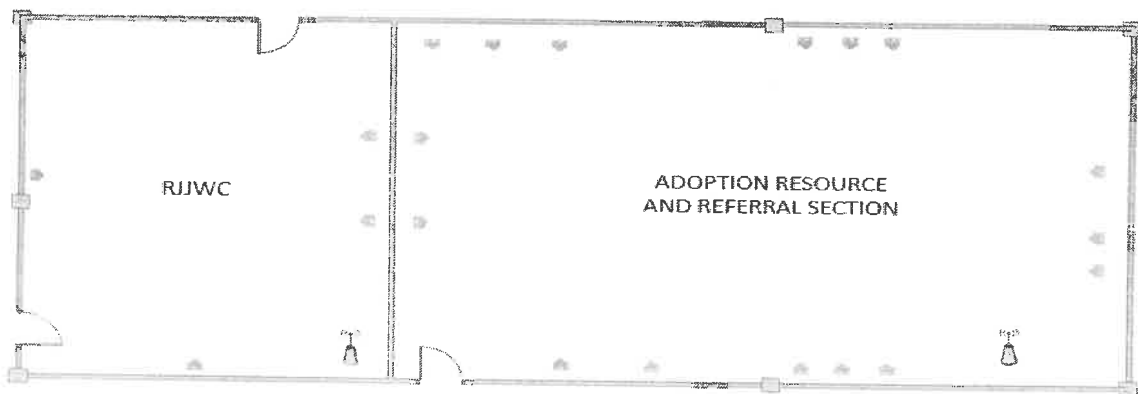
FO2 STRUCTURED CABLING FO2 Floor Plan, ARRS and RJJWC



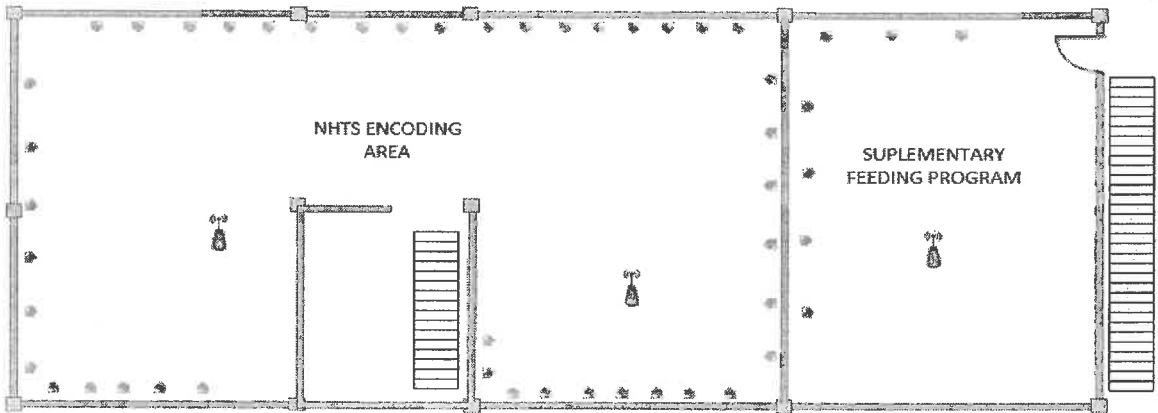
FO2 Ground Floor Encoding Station



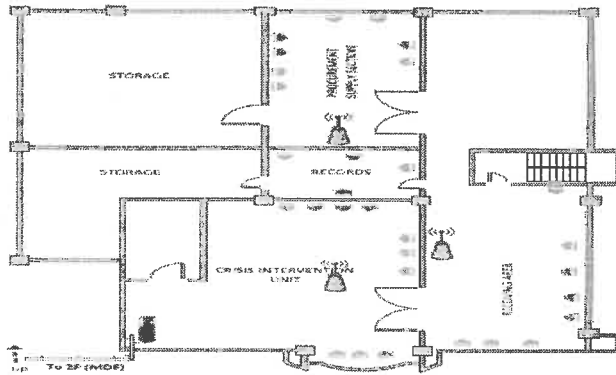
FO2 STRUCTURED CABLING FO2 Floor Plan, ARRS and RJJWC



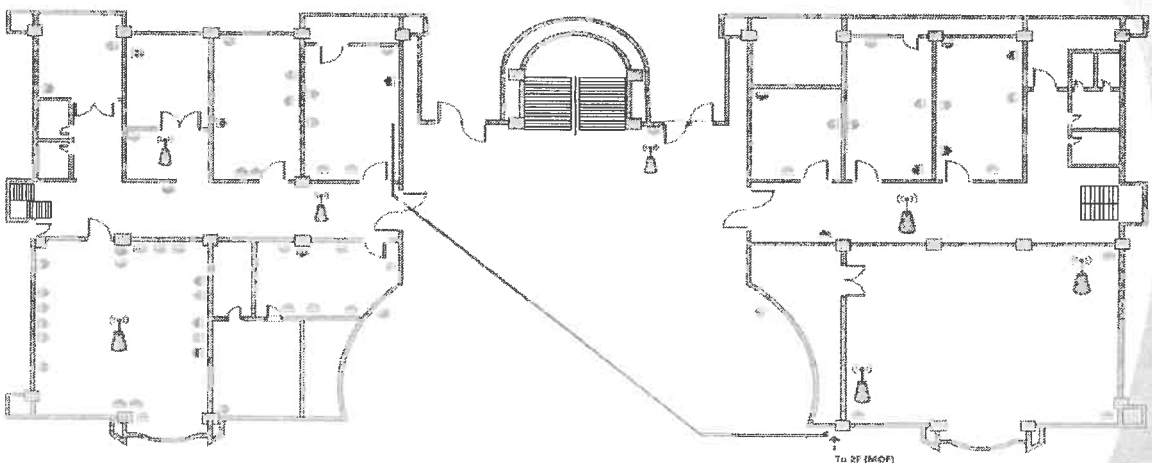
FO2 Second Floor Encoding Station



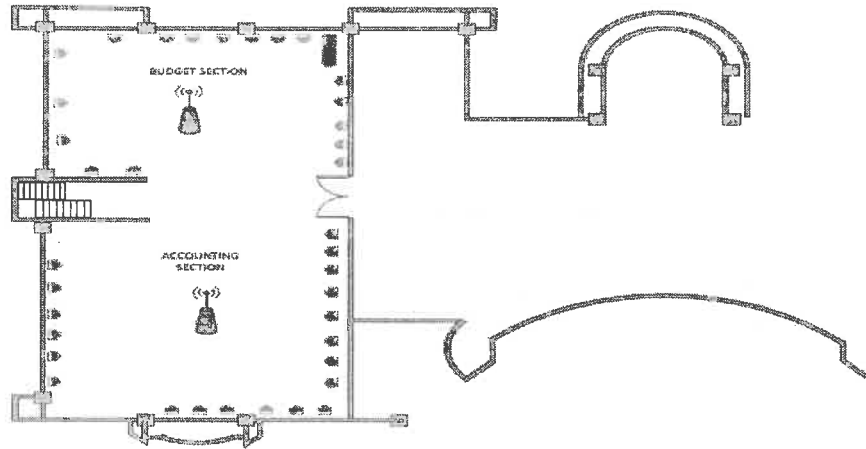
FO2 Basement, Main Building



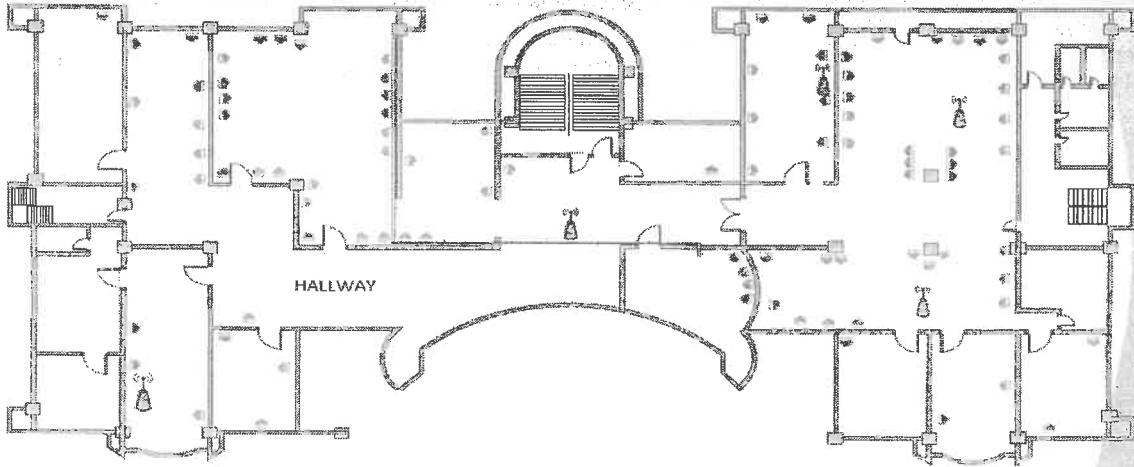
FO2 Ground Floor, Main Building



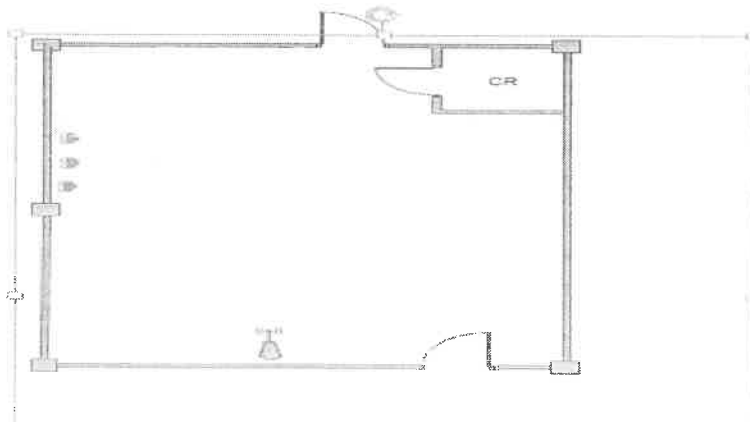
FO2 Roof Top, Main Building



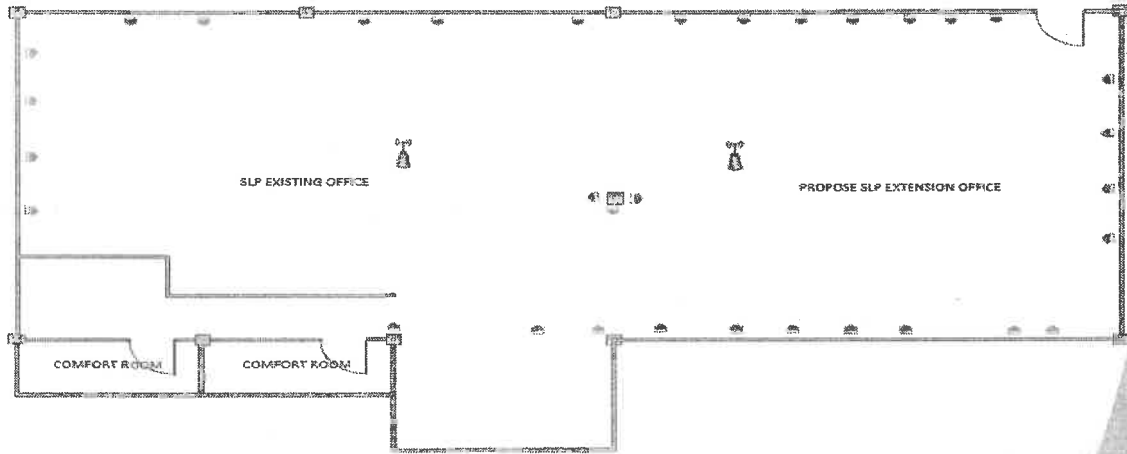
FO2 Second Floor, Main Building



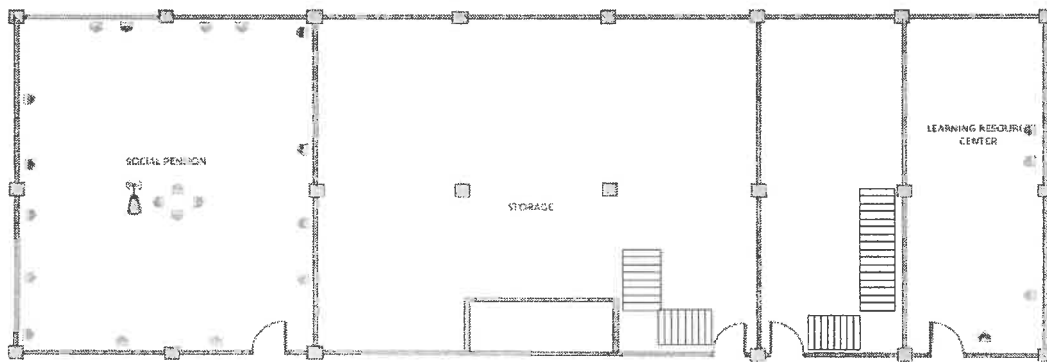
FO2 Model Core Shelter



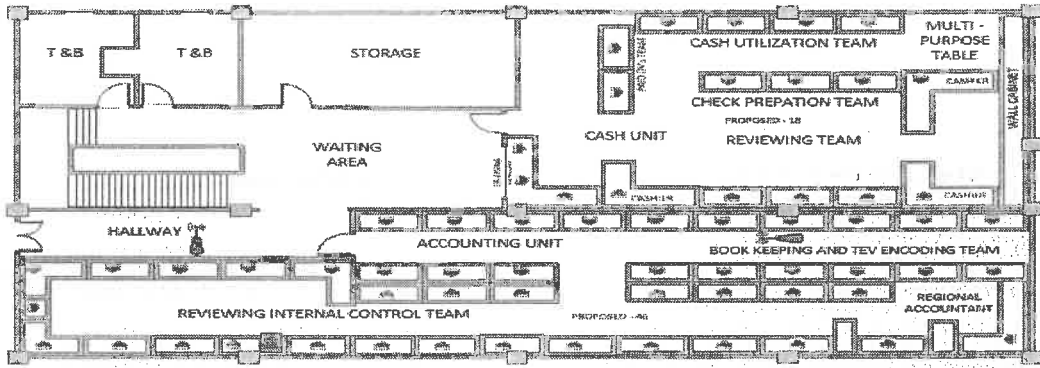
FO2 SLP



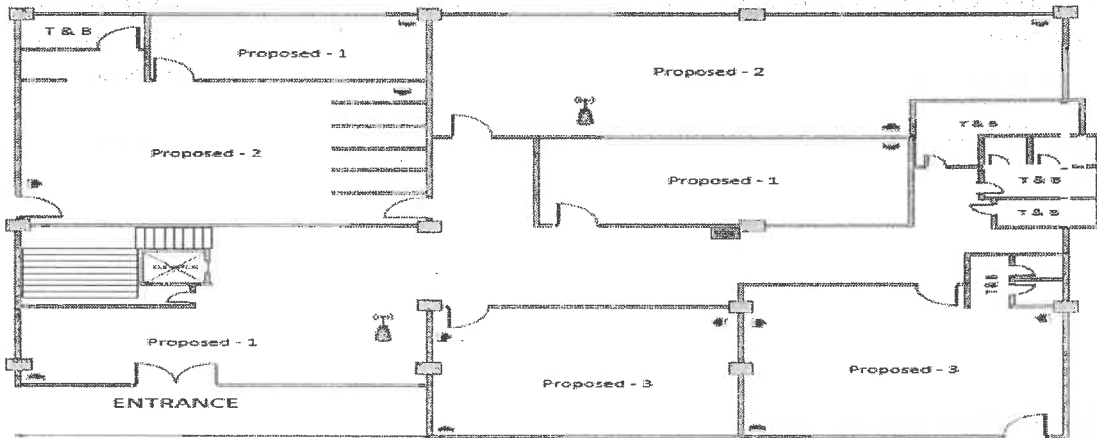
FO2 Ground Floor, SOC PEN and CBU



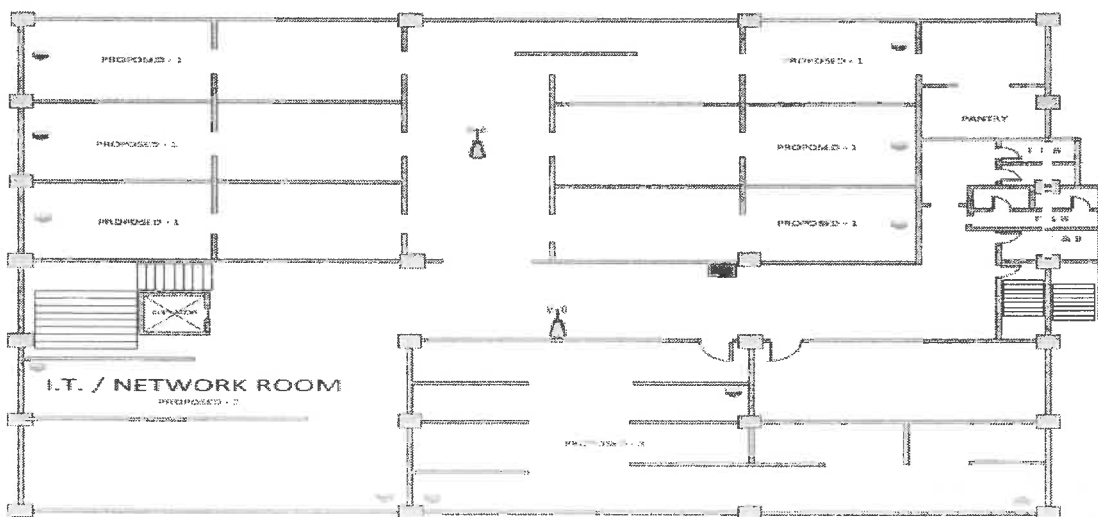
FO3 2nd Floor ADMS & SF Bldg Office Floor Plan with Network Infrastructure

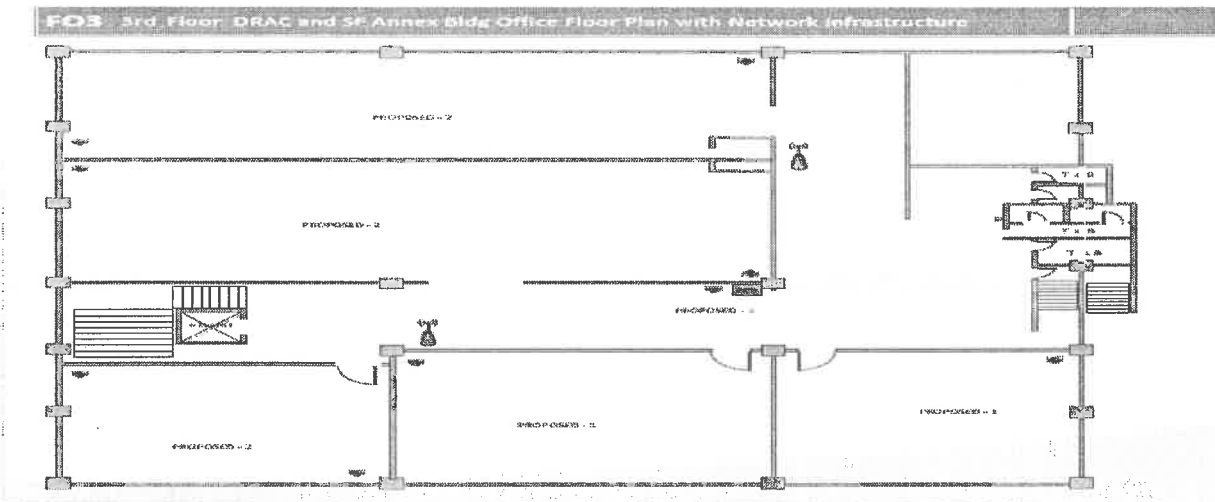


FO3 1st Floor DRAC and SF Annex Bldg Office Floor Plan with Network Infrastructure



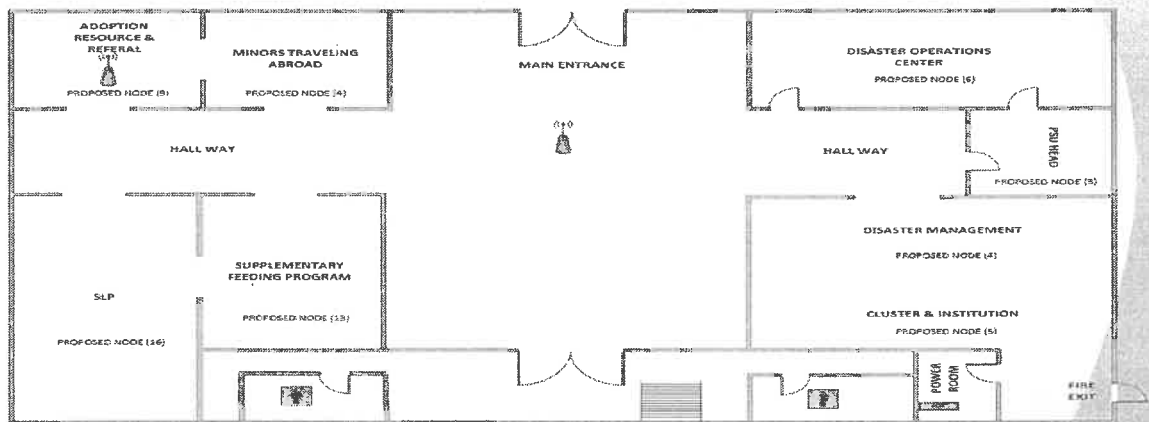
FO3 2nd Floor DRAC and SF Annex Bldg Office Floor Plan with Network Infrastructure



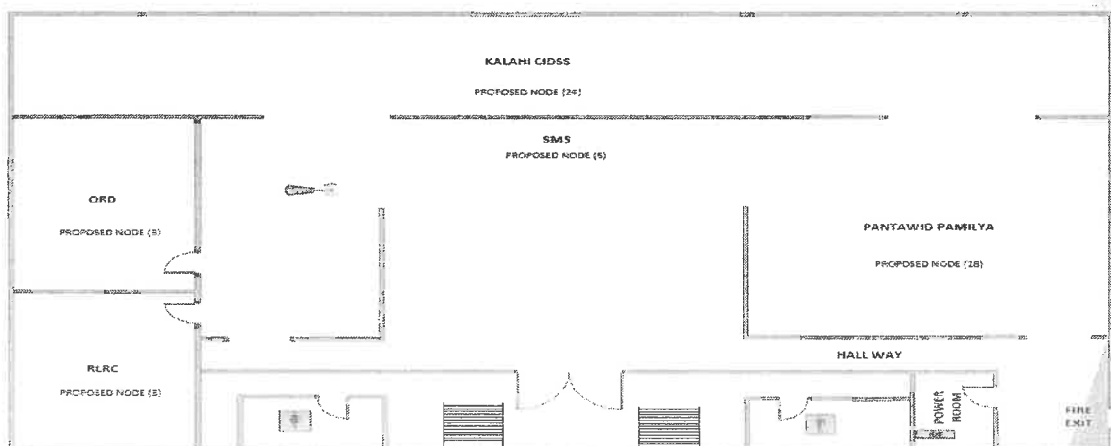


FO IV-A

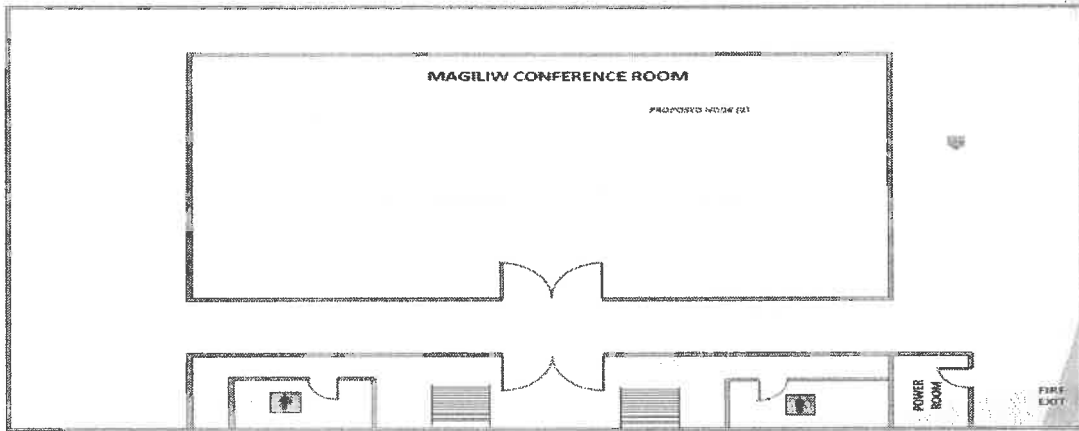
FO4A 1st FLOOR MAGILIW BLDG. PROPOSED NETWORK NODES



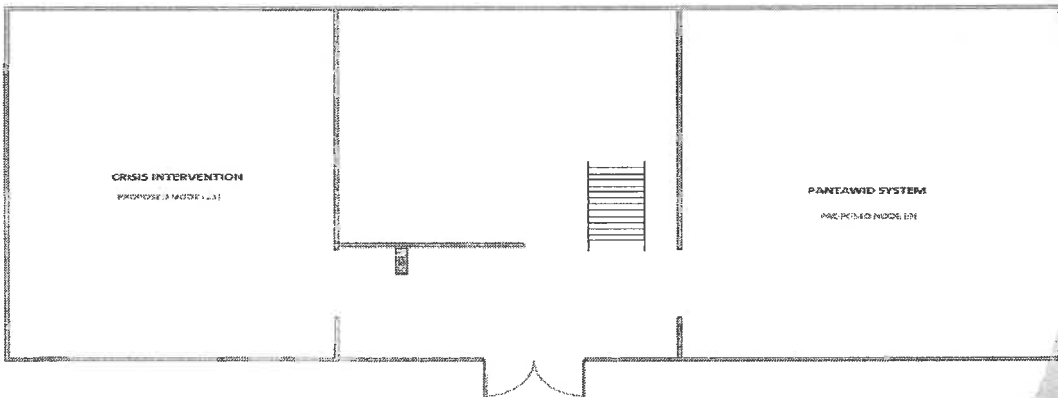
FO4A 2nd FLOOR MAGILIW BLDG. PROPOSED NETWORK NODES



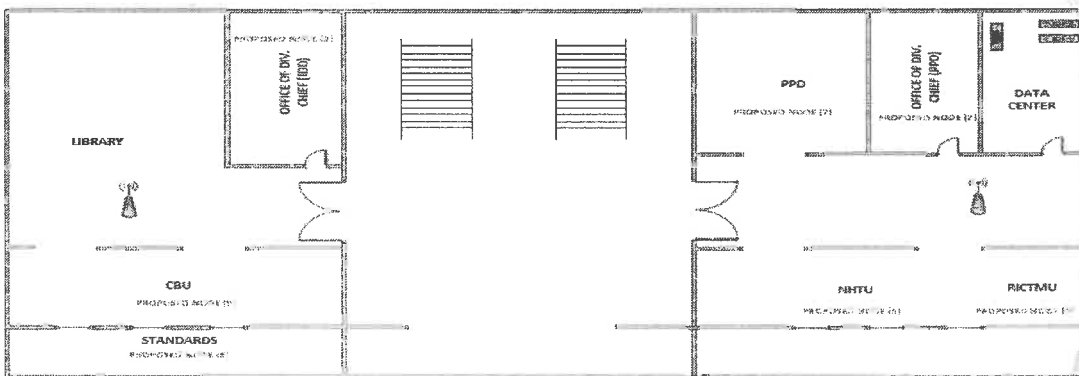
FO4A 3rd FLOOR MAGILIW BLDG. PROPOSED NETWORK NODES



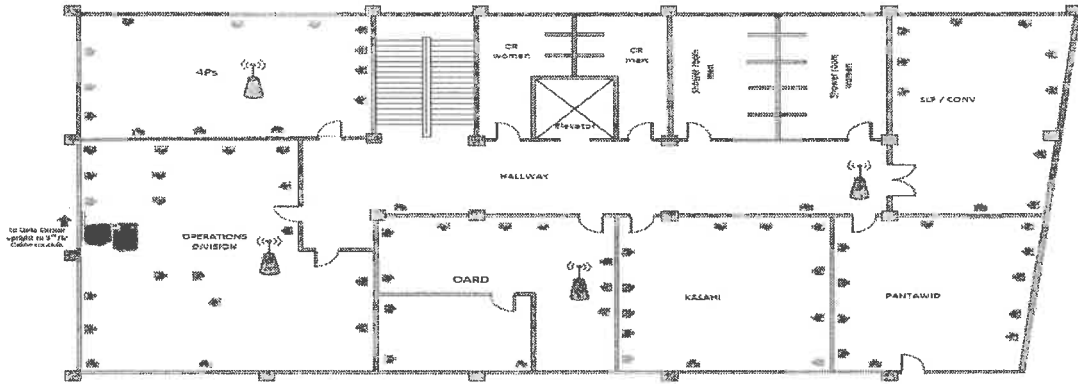
FO4A 1st FLOOR MAHUSAY BLDG. PROPOSED NETWORK NODES



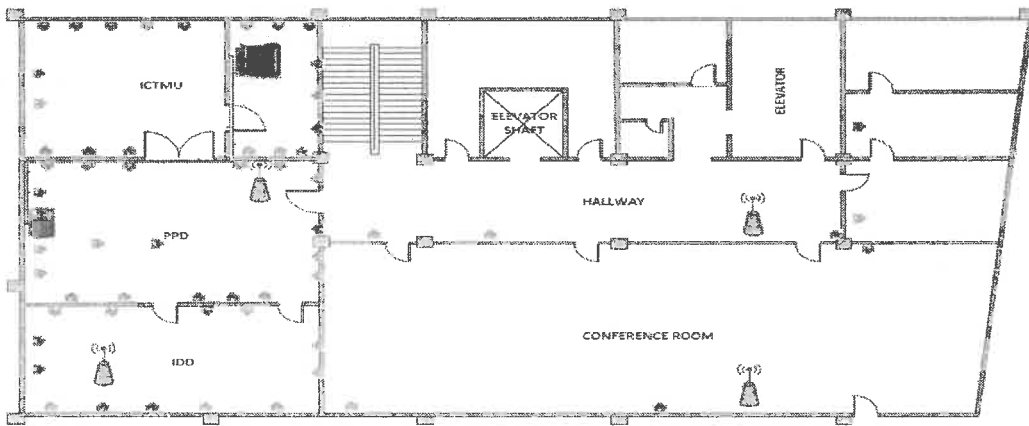
FO4A 2nd FLOOR MAHUSAY BLDG. PROPOSED NETWORK NODES



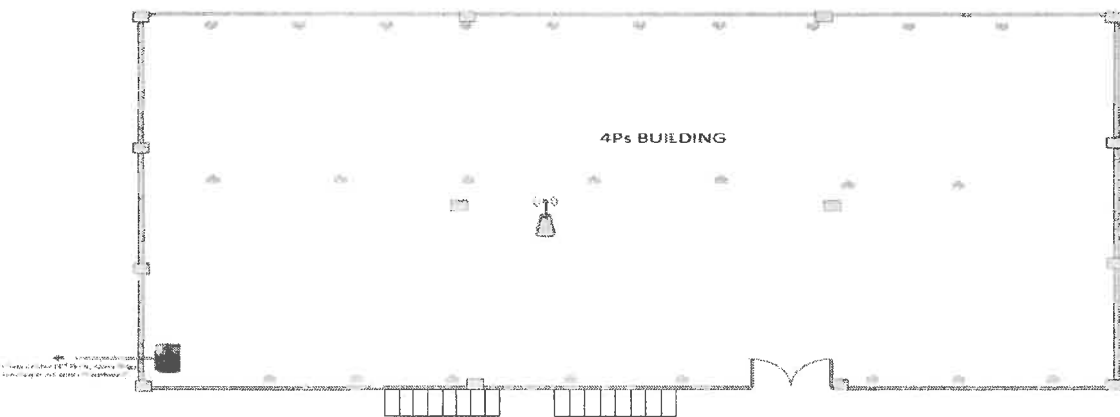
FO4B PROPOSED NETWORK NODES, 2nd Flr. (Main Bldg.)



FO4B PROPOSED NETWORK NODES, 3rd Flr. (Main Bldg.)



FO4B PROPOSED NETWORK NODES, 2nd Flr. (4Ps Bldg.)

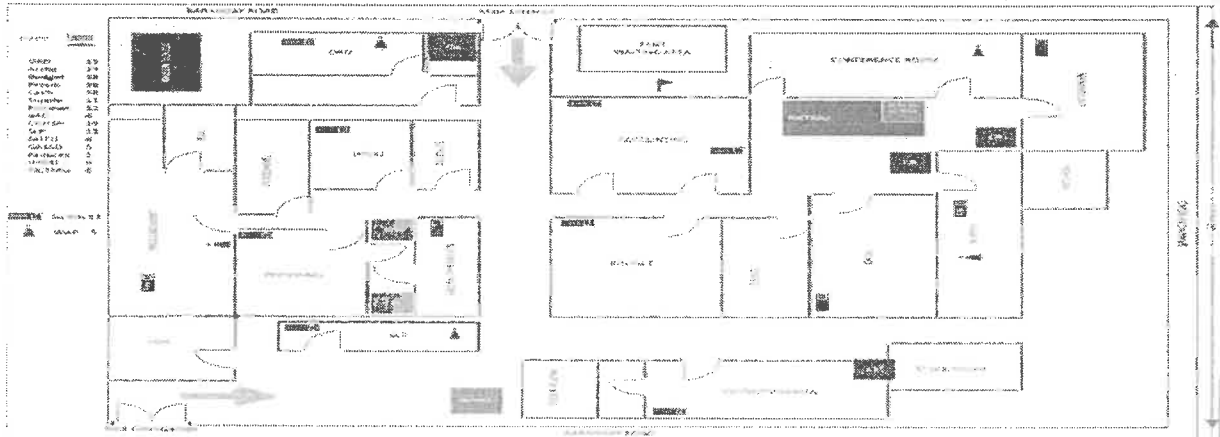


FO4B PROPOSED NETWORK NODES, Ground Flr. (4Ps Bldg.)

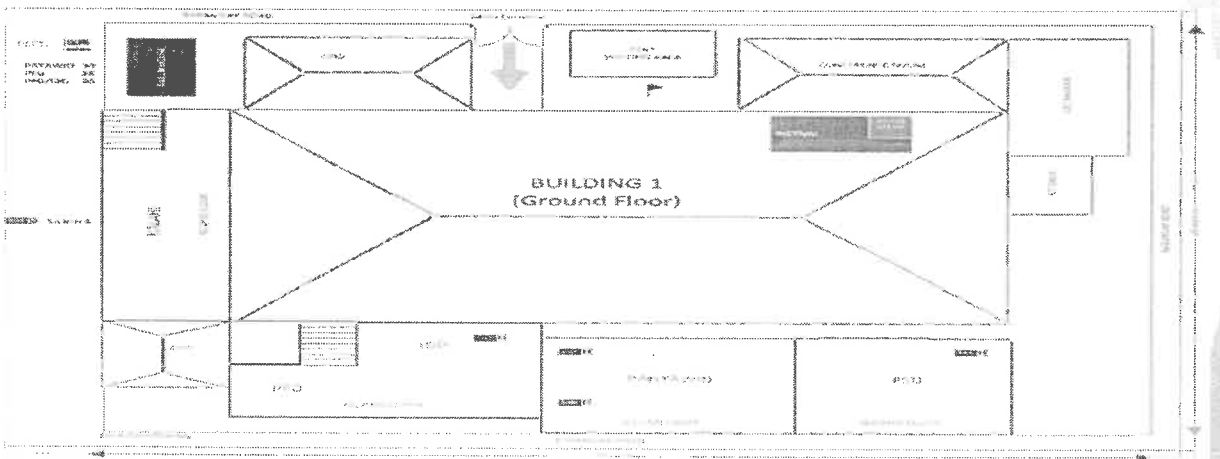


FO V

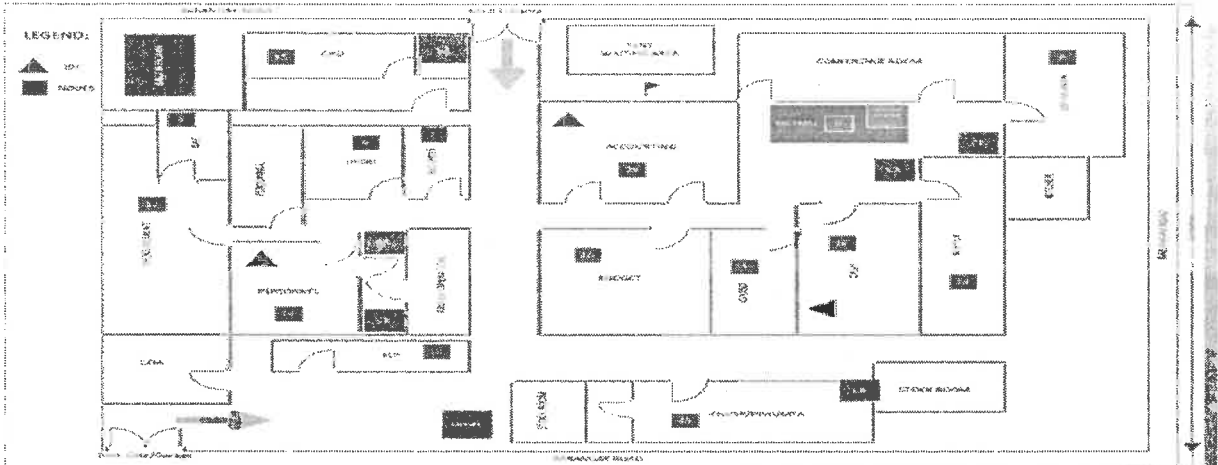
FO5 Building 1



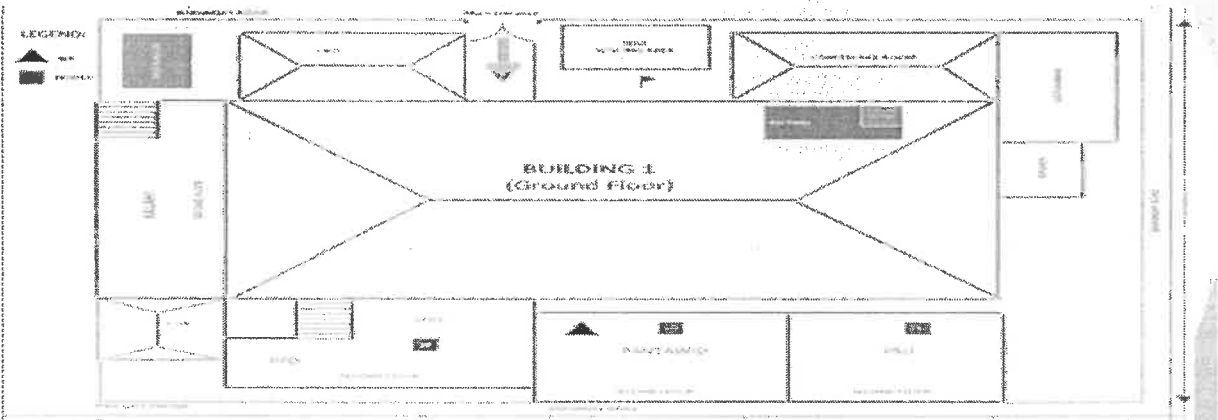
FO5 Building 2



FO5 Building 1, Proposed

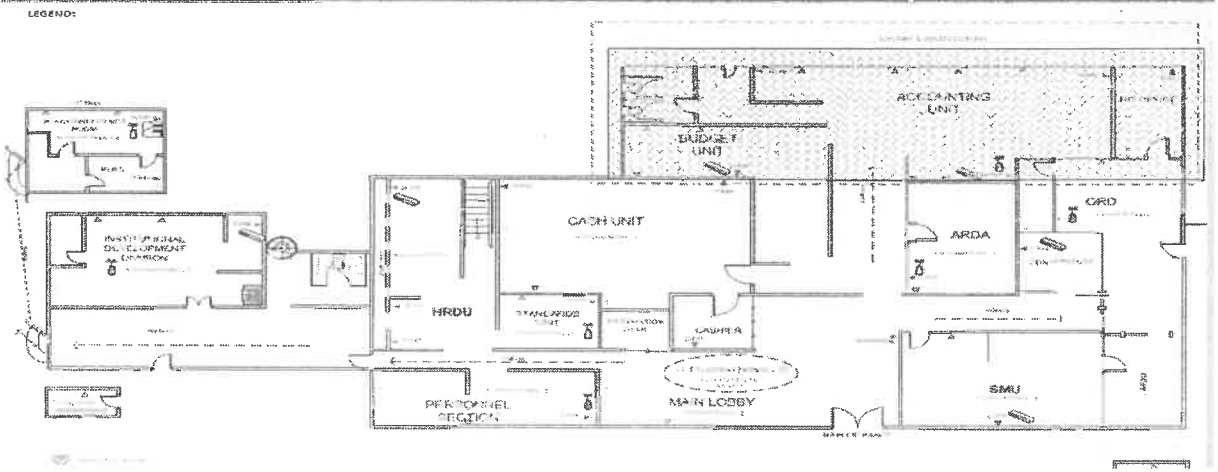


FO5 Building 2, Proposed

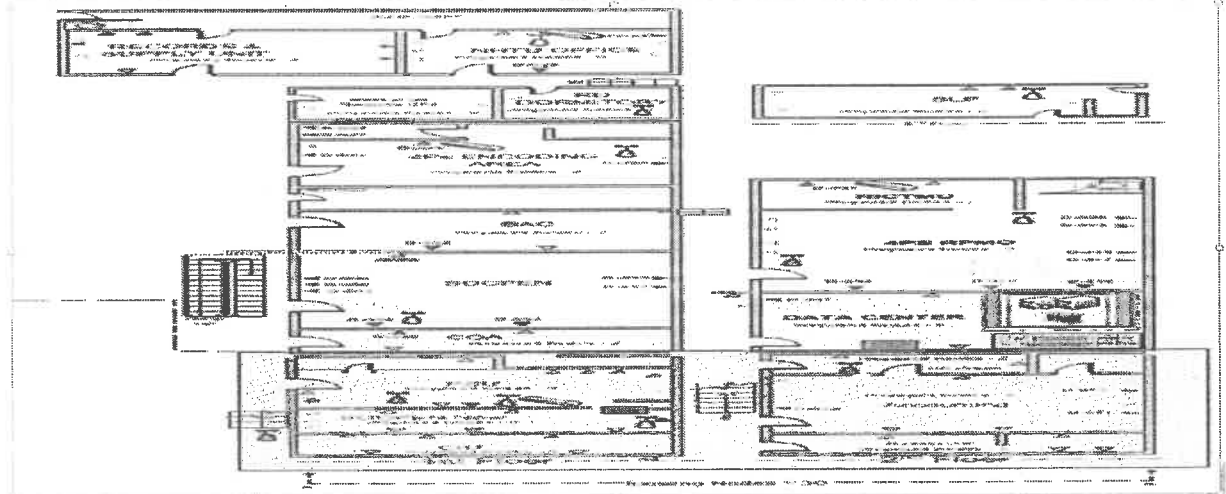


FO VI

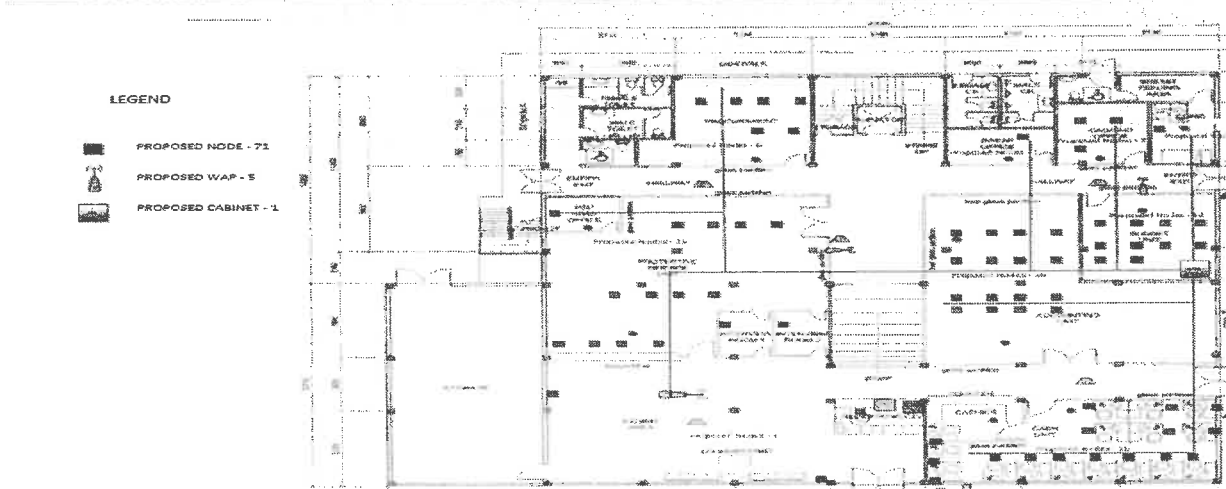
FO5 Main Side Proposed Network Nodes



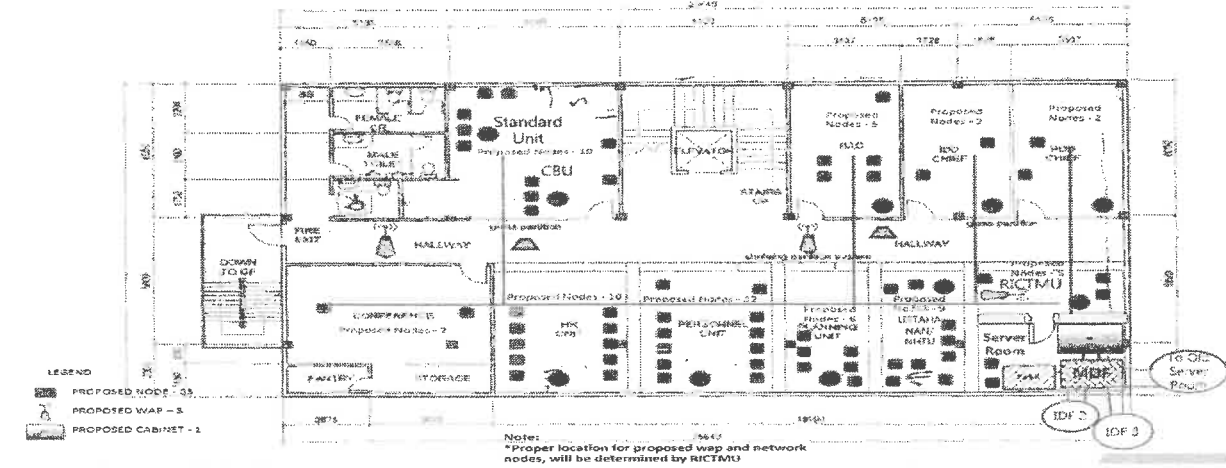
FOG Annex Bldg 1st Floor Proposed Network Nodes

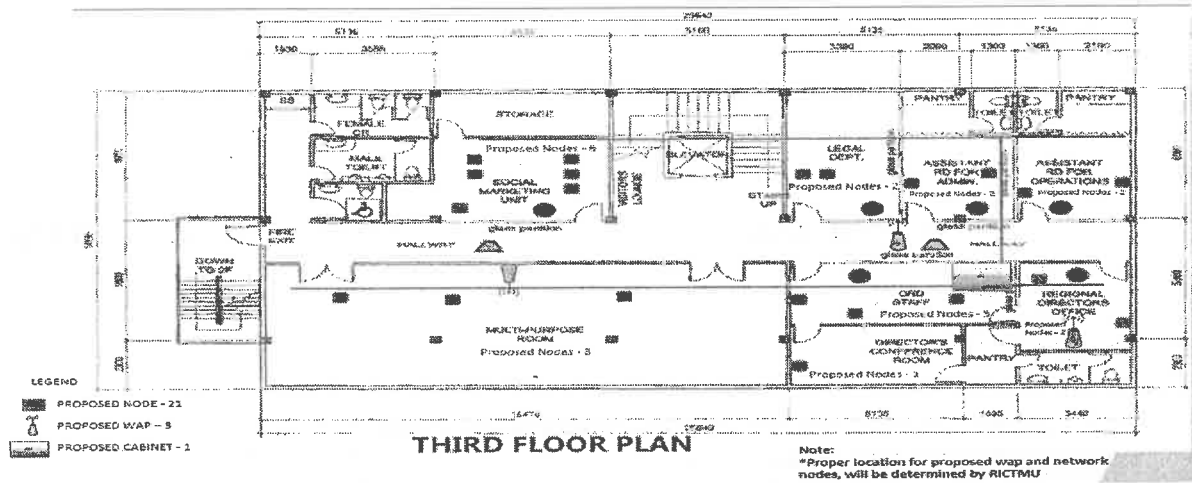


FOG New Bldg 1st Floor Proposed Network Nodes



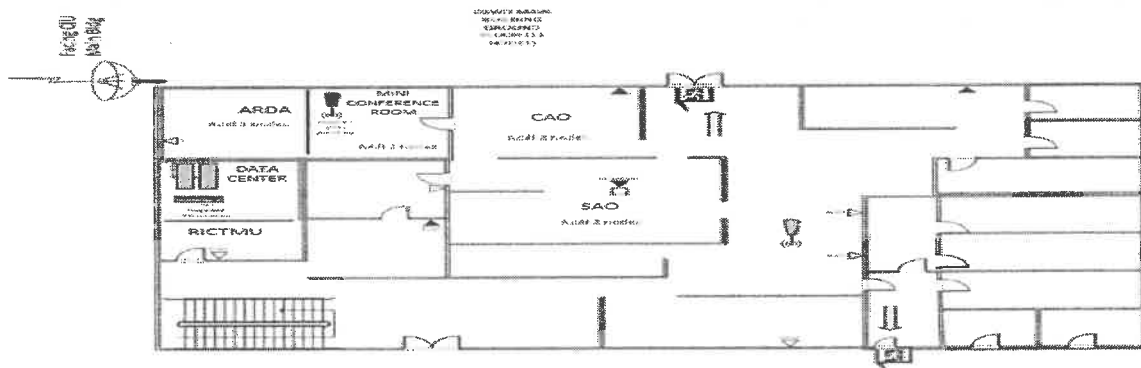
FOG New Bldg 2nd Floor Proposed Network Nodes



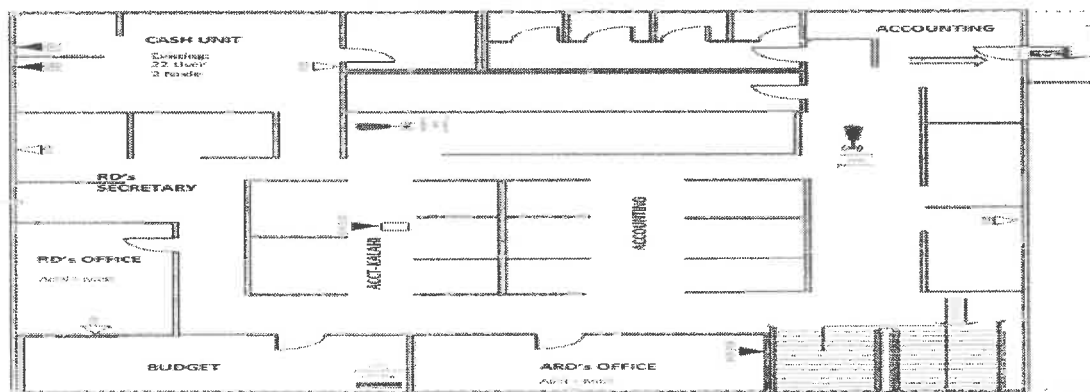


FO VII

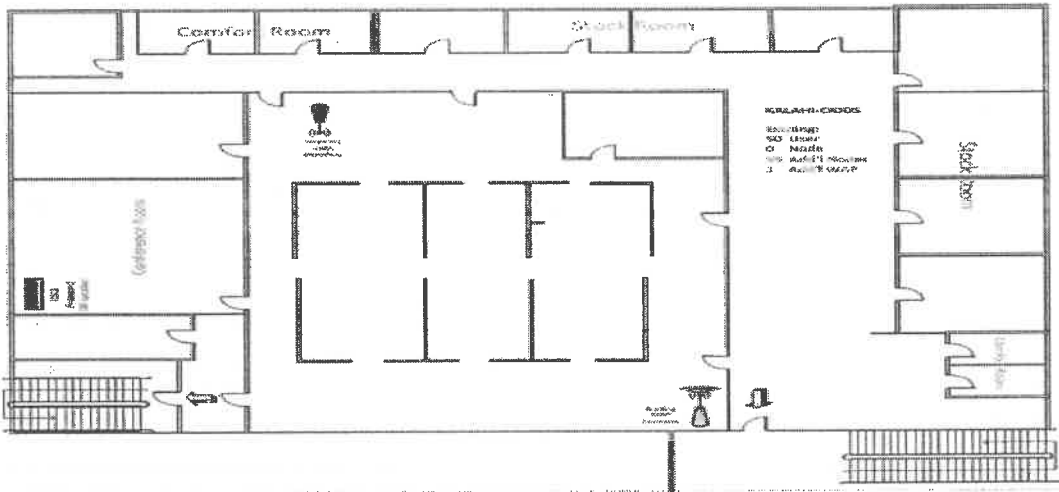
FO 7 MAIN BLDG GROUND FLOOR PLAN



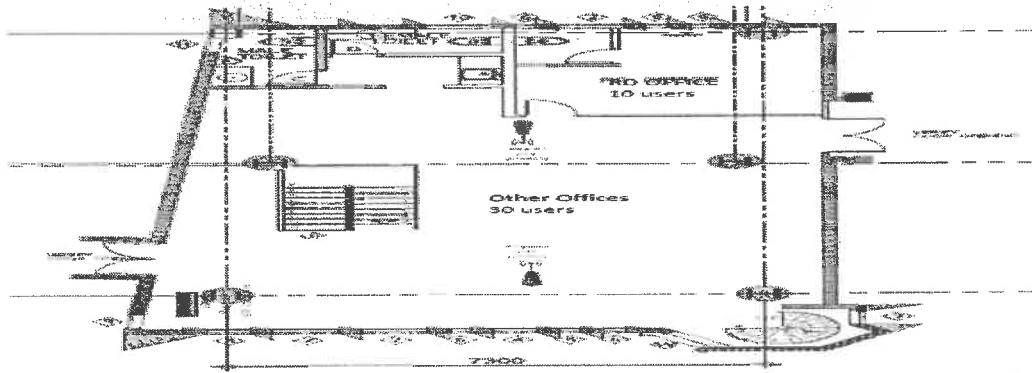
FO 7 MAIN BLDG SECOND FLOOR PLAN



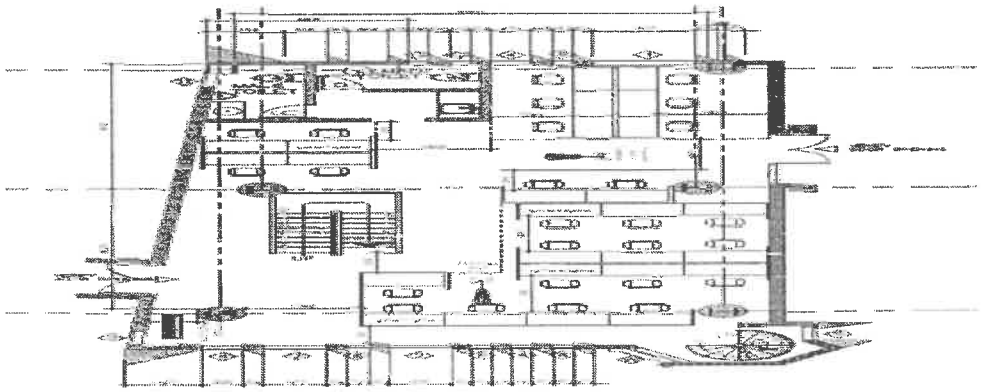
FO 7 MAIN BLDG THIRD FLOOR PLAN, Kalahi CIDDS



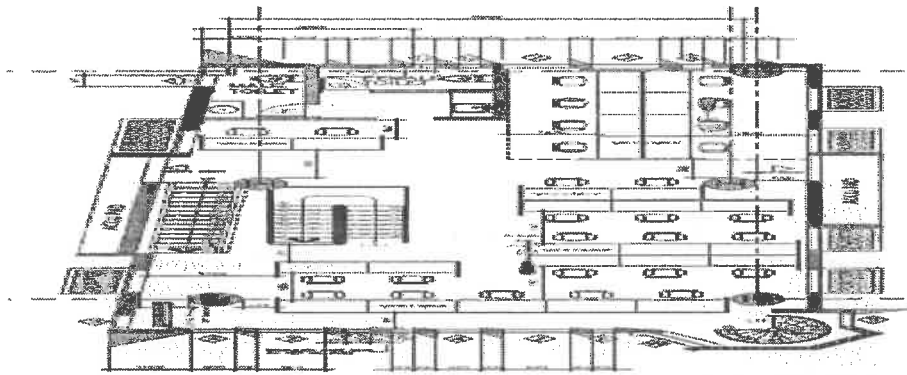
FO 7 NEW BLDG SECOND FLOOR PLAN



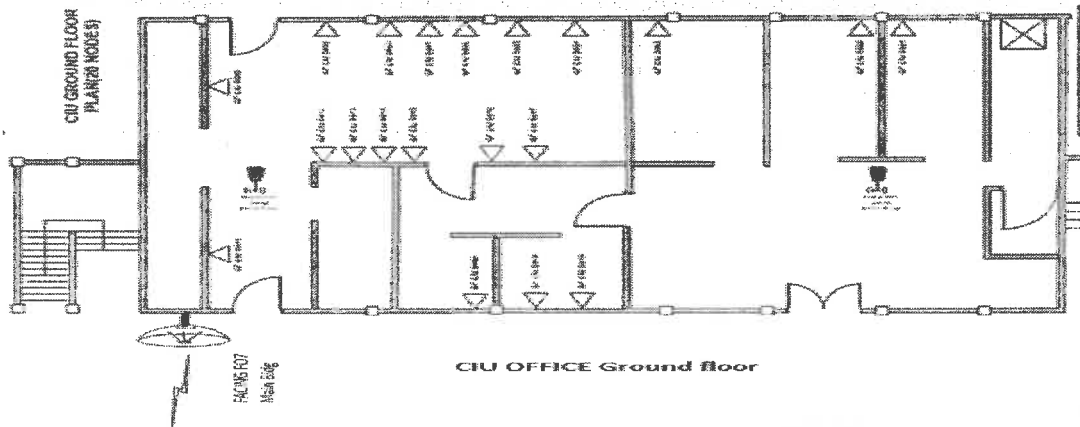
FO 7 NEW BLDG THIRD FLOOR PLAN



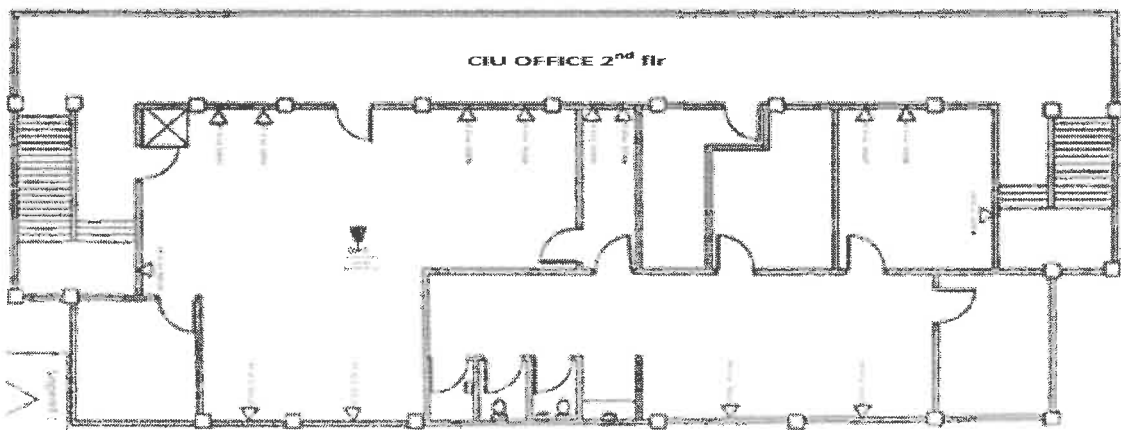
FO 7 NEW BLDG FOURTH FLOOR PLAN



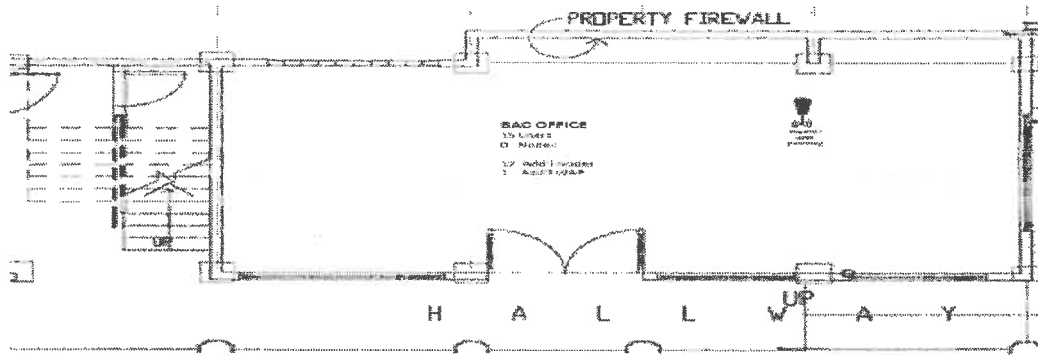
FO 7 CIU BLDG GRND FLOOR PLAN



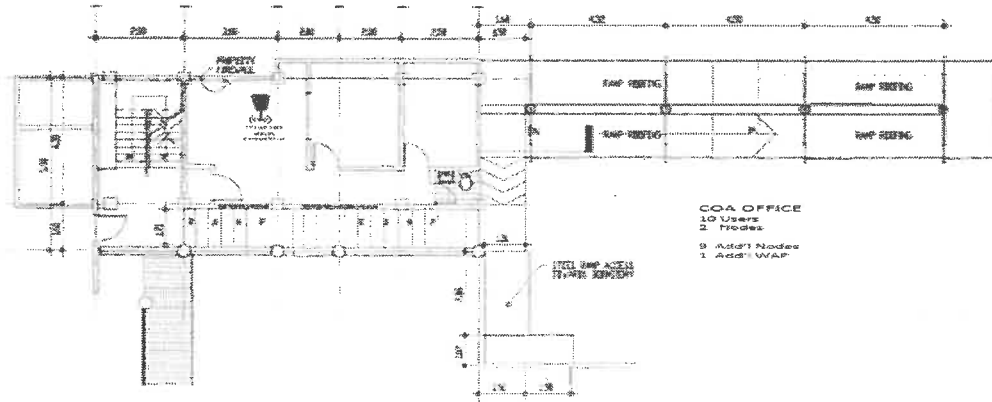
FO 7 CIU BLDG SECOND FLOOR PLAN



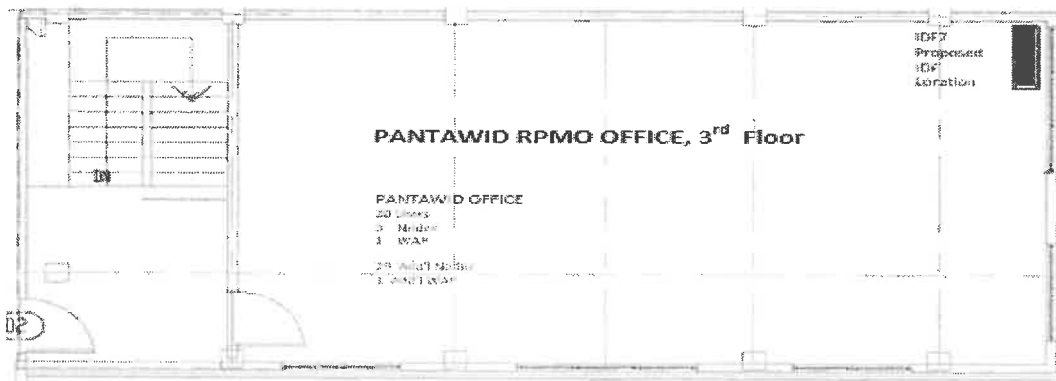
FO 7 ANNEX BLDG GROUND FLOOR PLAN, BAC OFFICE



FO 7 ANNEX BLDG, SECOND FLOOR PLAN, COA

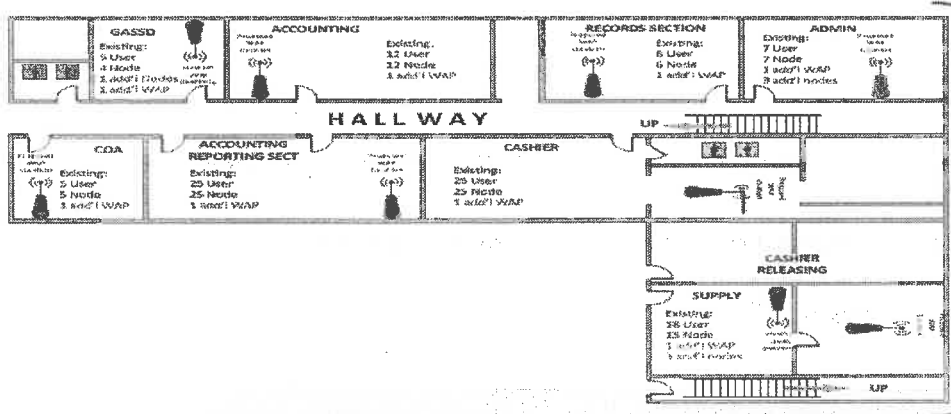


FO 7 ANNEX BLDG, THIRD FLOOR PLAN, PANTAWID RPMO OFFICE



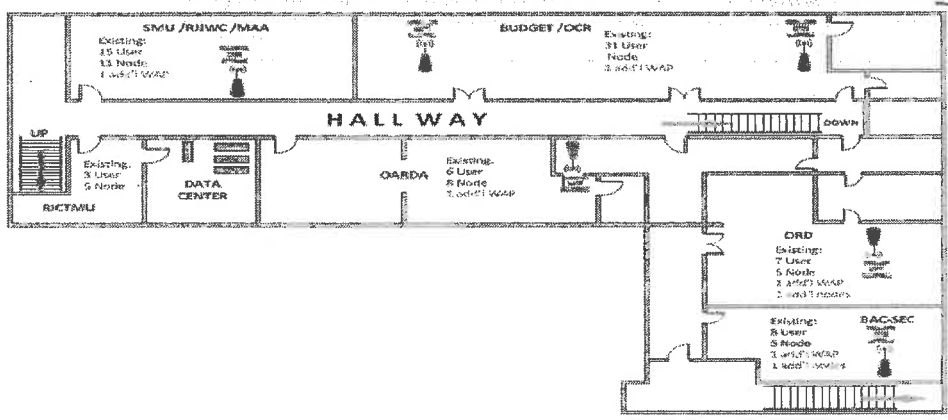
FO VIII

FOB FIRST FLOOR PROPOSED NETWORK NODES



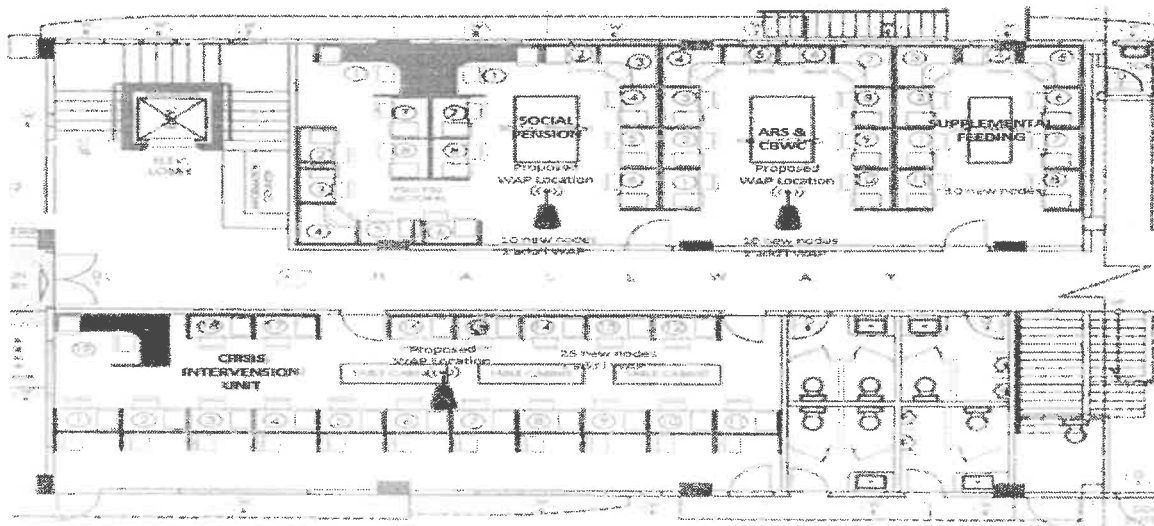
PROPOSED REQUIREMENTS
(1st Floor)
7 Nodes
9 WAP

FOB SECOND FLOOR PROPOSED NETWORK NODES

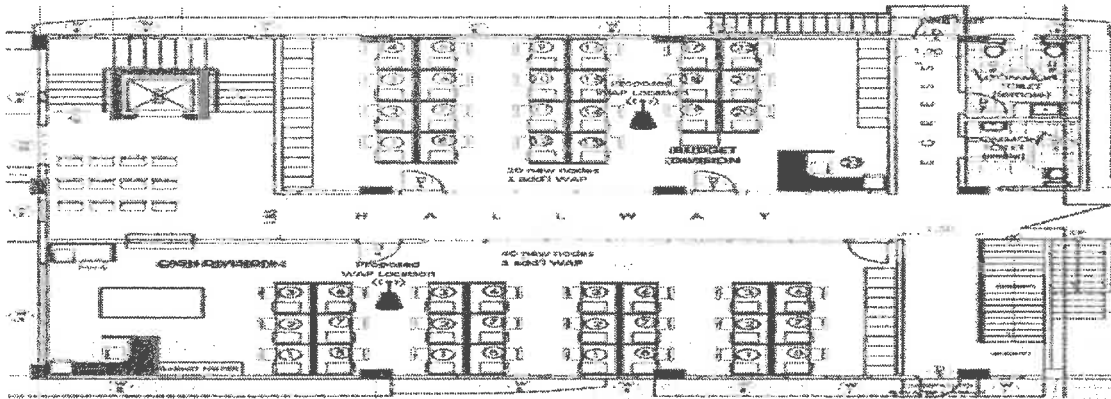


PROPOSED REQUIREMENTS
(2nd Floor)
6 add'l WAP
5 add'l nodes

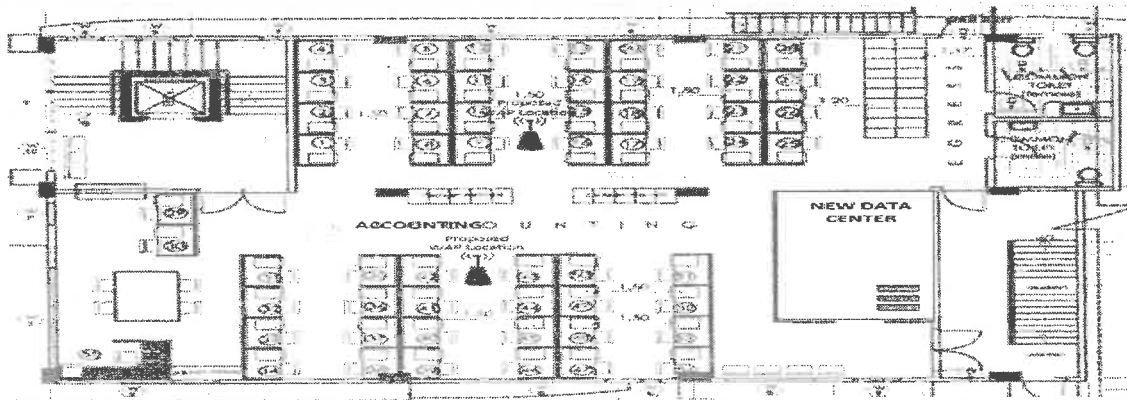
FOB NEW BLDG Ground Floor Proposed Network Layout



FO8 NEW BLDG 2nd Floor Proposed Network Layout

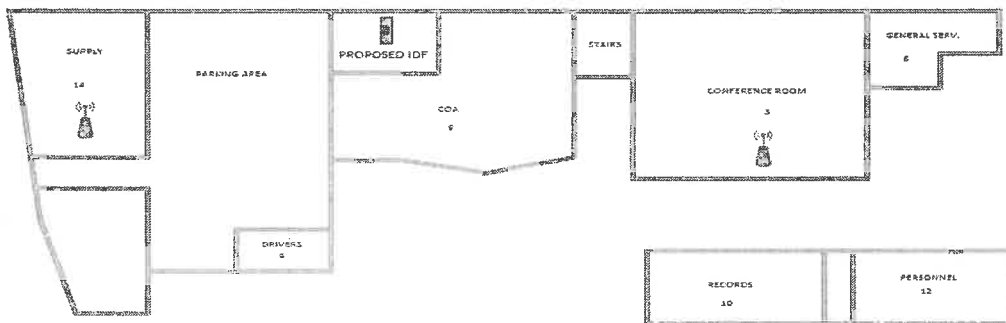


FO8 NEW BLDG 3rd Floor Proposed Network Layout

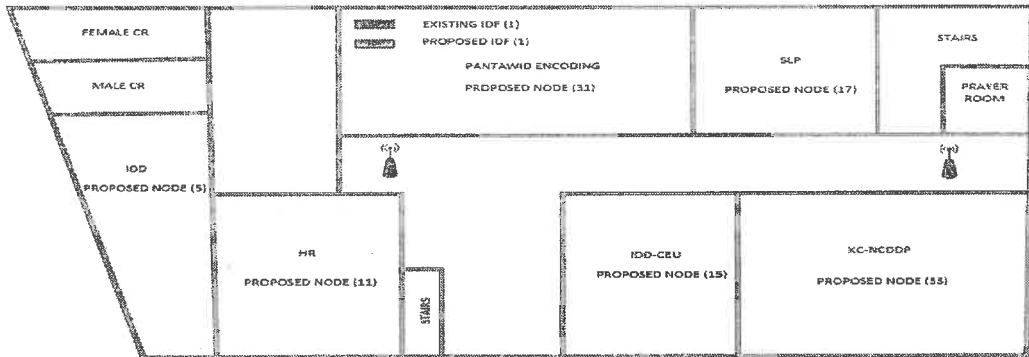


FO IX

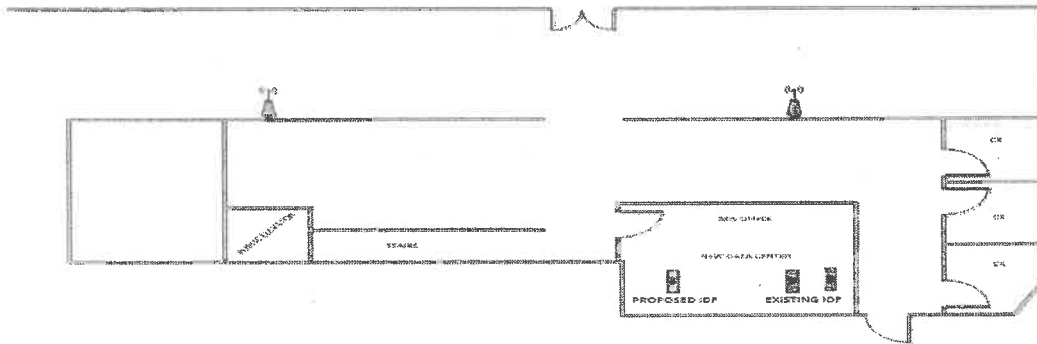
FO9 FIRST FLOOR OLD BUILDING



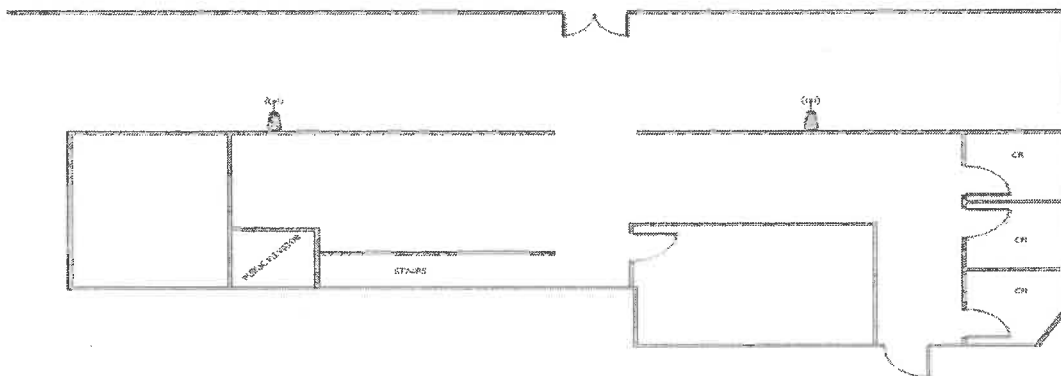
F09 THIRD FLOOR OLD BUILDING



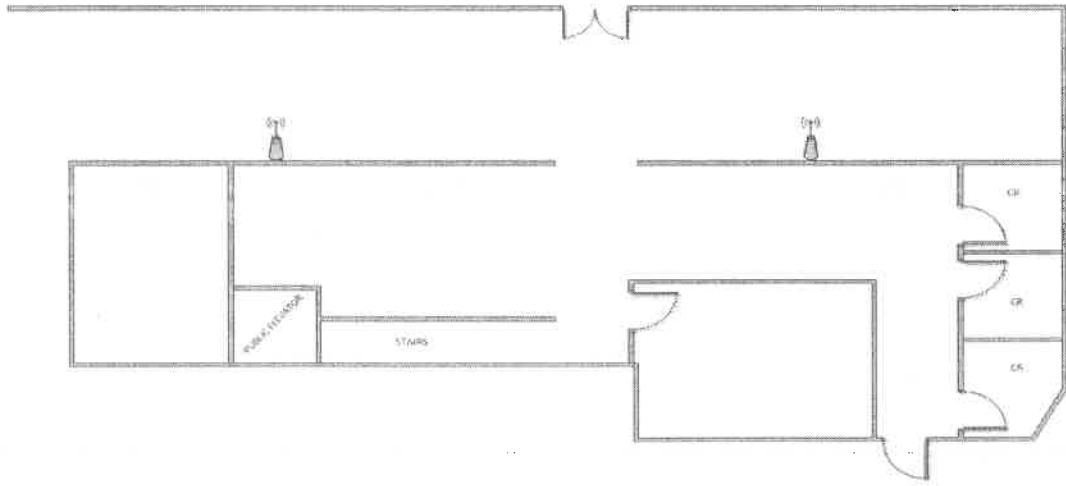
F09 THIRD FLOOR NEW BUILDING



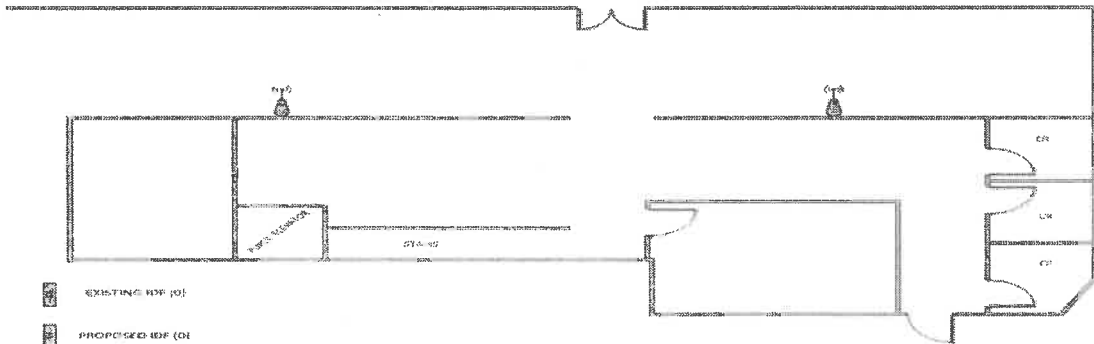
F09 SECOND FLOOR NEW BUILDING



F09 FIRST FLOOR NEW BUILDING

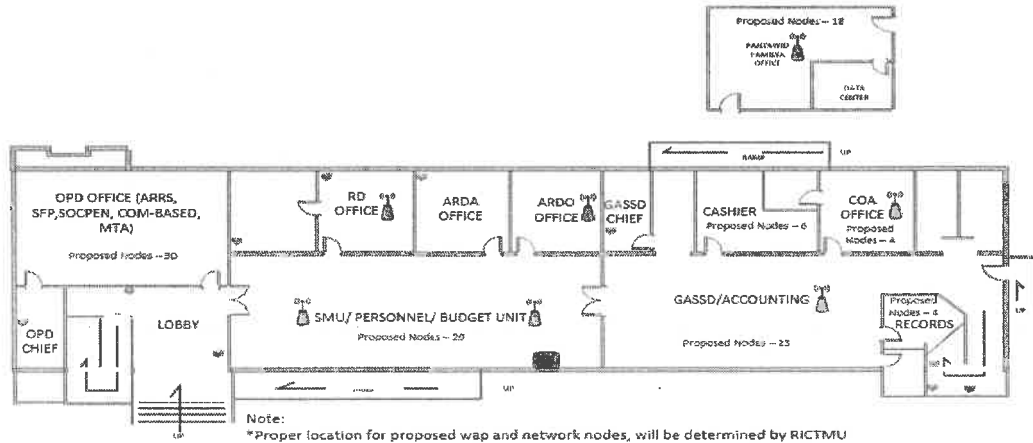


F09 FIRST FLOOR NEW BUILDING



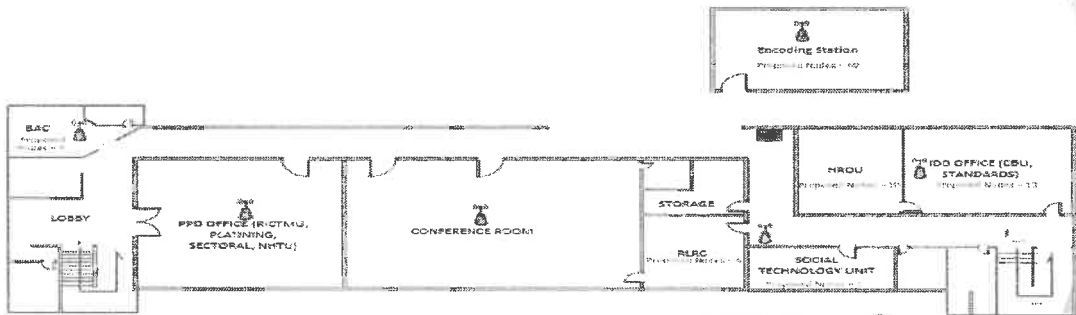
- EXISTING IDP (ID)
- PROPOSED IDP (ID)
- PROPOSED WAF (WAF)

FO10 Main Building 1st floor Proposed Network Nodes



Note:
*Proper location for proposed wap and network nodes, will be determined by RICTMU

FO10 Main Building 2nd floor Proposed Network Nodes



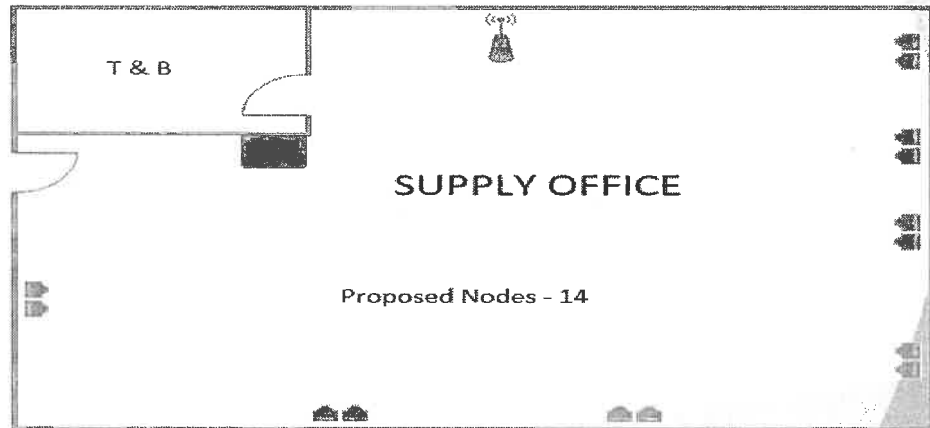
Note:
*Proper location for proposed wap and network nodes, will be determined by RICTMU

1 IP Radio will be installed on the roof top (Main Bldg) for peer to peer connection to New Dormitory Building roof top

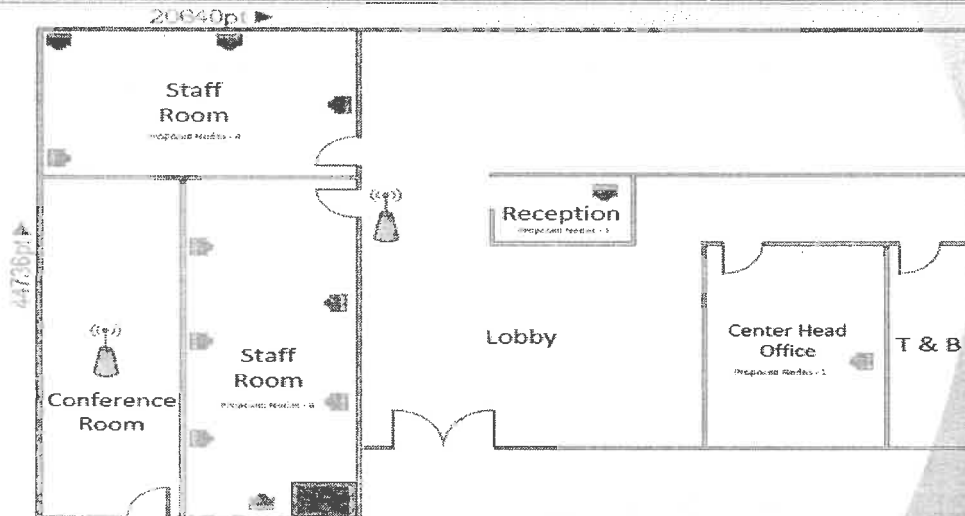


IP Radio will be installed at the Roof Top

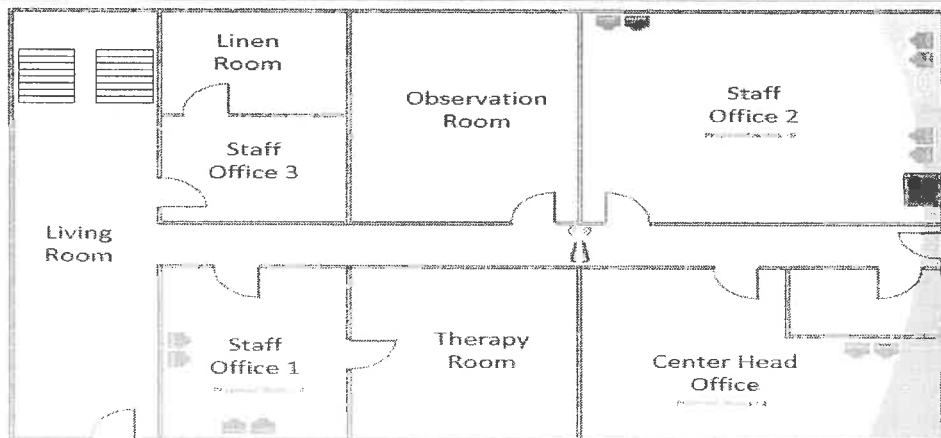
FO10 Supply Building Proposed Network Nodes



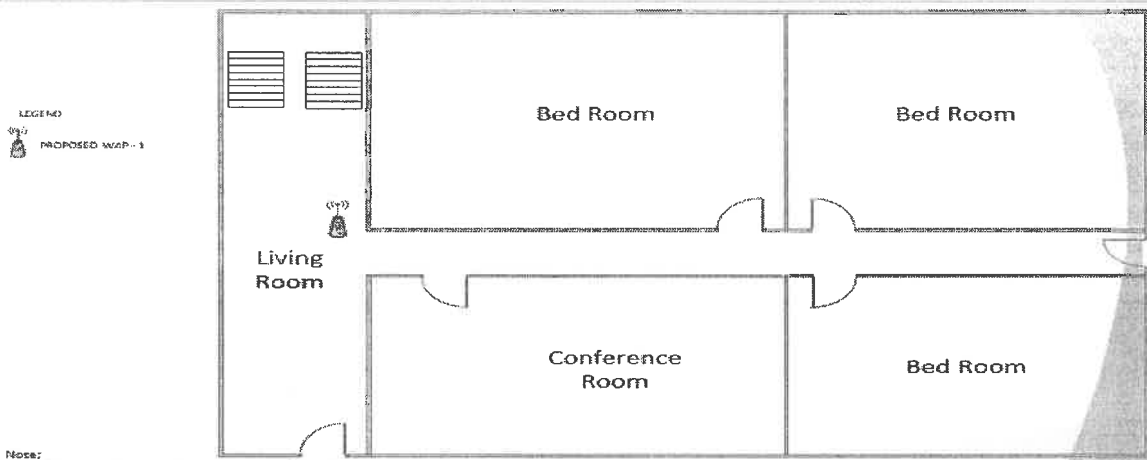
FO10 Haven for Women Building Proposed Network Nodes



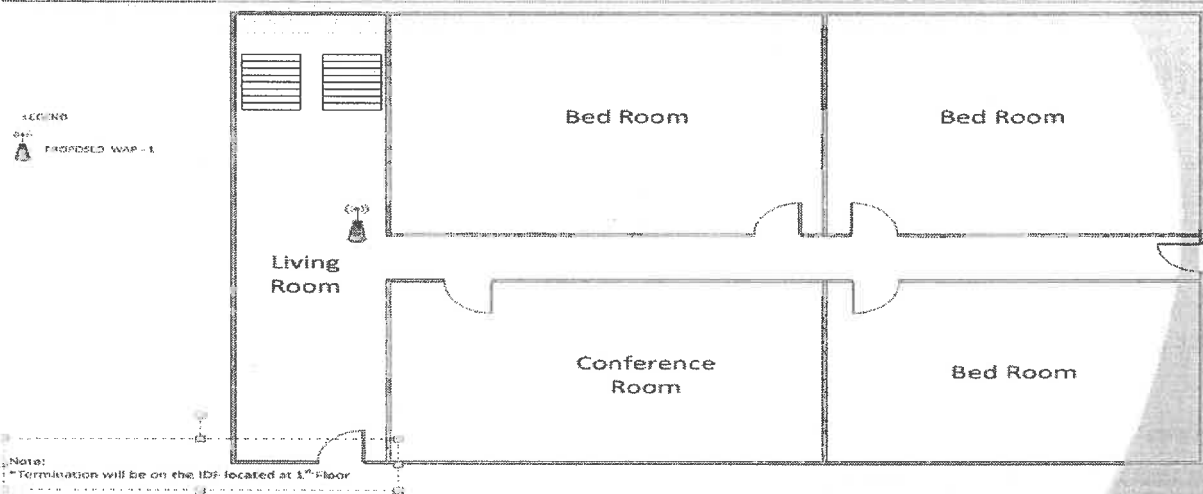
FO10 Home for Girls 1st Floor Proposed Network Nodes



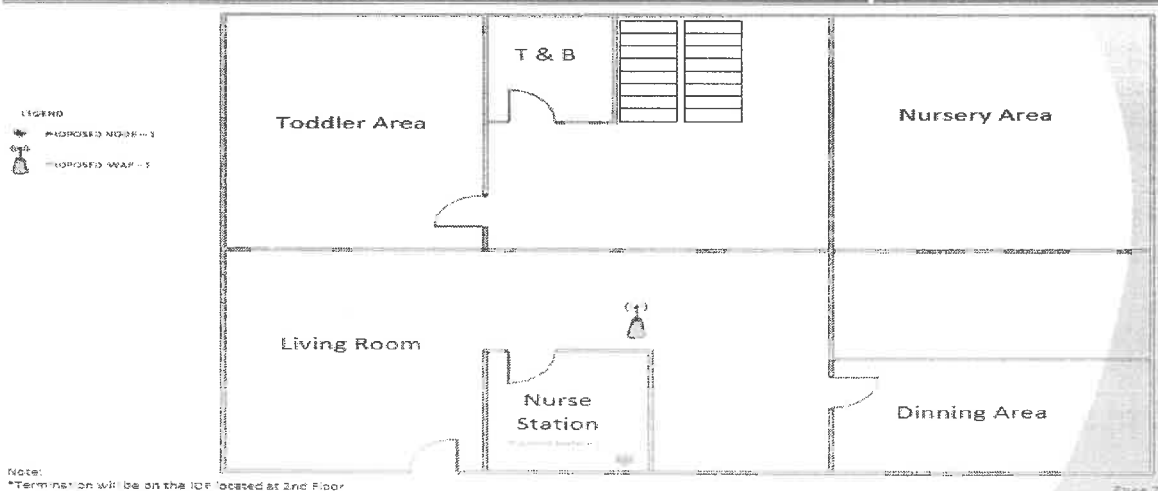
FO10 Home for Girls 2nd Floor Proposed Network Nodes



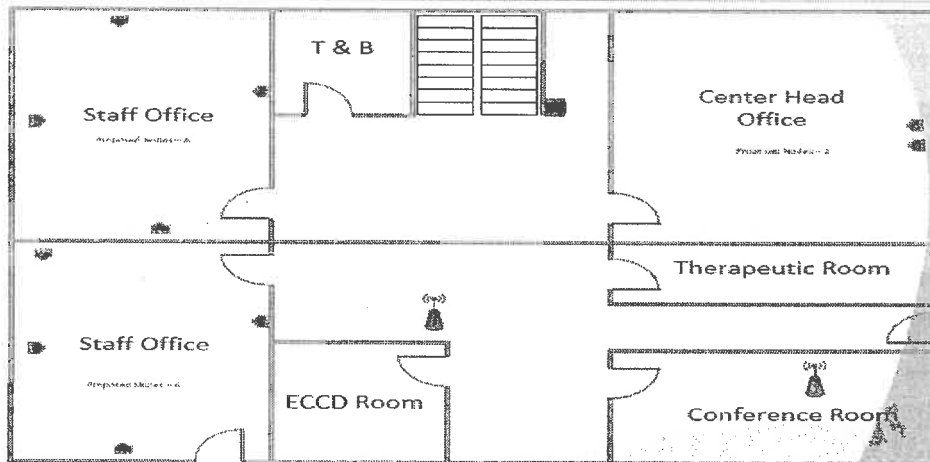
FO10 Home for Girls 2nd Floor Proposed Network Nodes



FO10 RRSCC 1st Floor Proposed Network Nodes

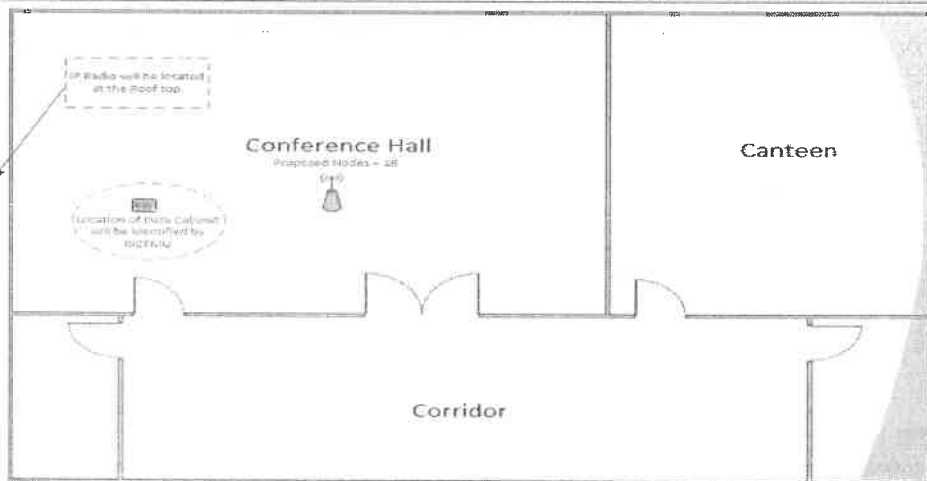


FO10 RRSCC 2nd Floor Proposed Network Nodes



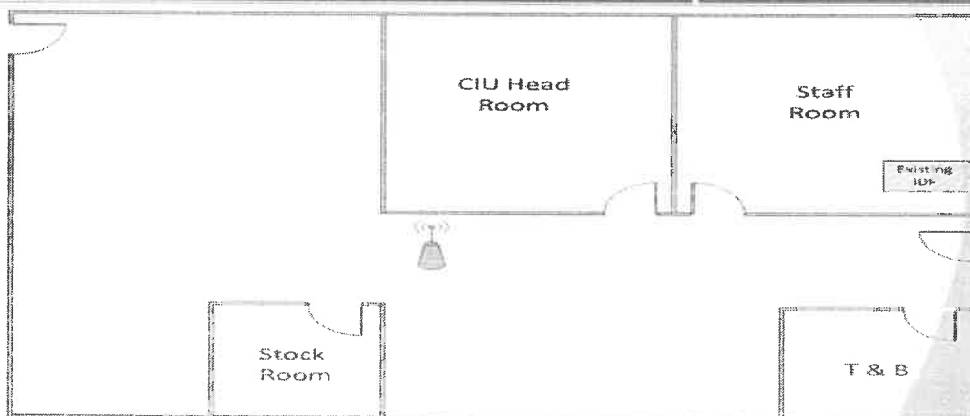
FO10 New Dormitory 1st Floor Proposed Network Nodes

1 IP Radio will be installed on the roof top (New Dormitory Building) for peer to peer connection to (Main Building) roof top



FO10 CIU 1st Floor Proposed Network Nodes

- LEGEND**
- PROPOSED WAP
 - Existing Data Cabinet (DC)



Page 30

FO10 SLP 2nd Floor Proposed Network Nodes

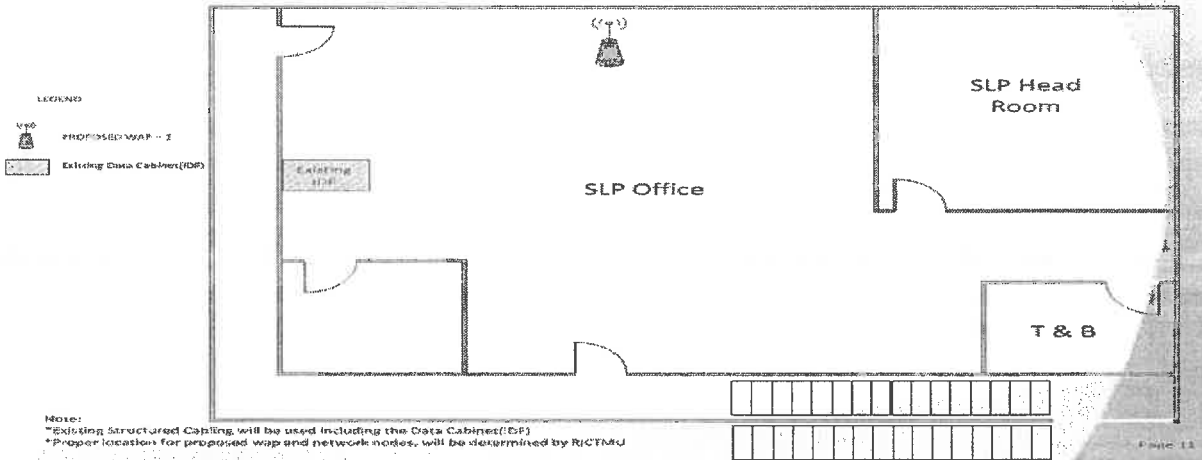
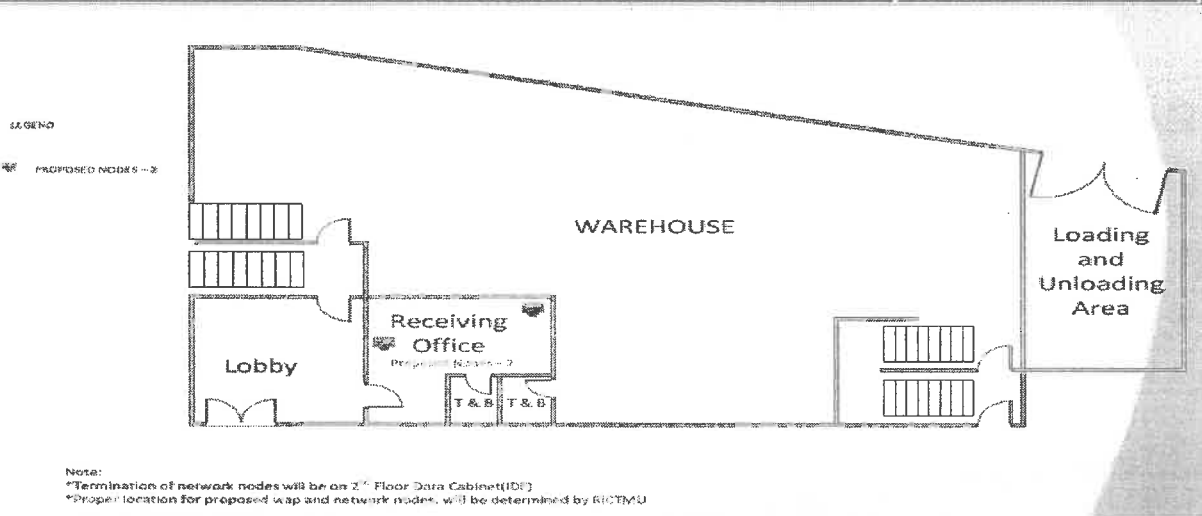
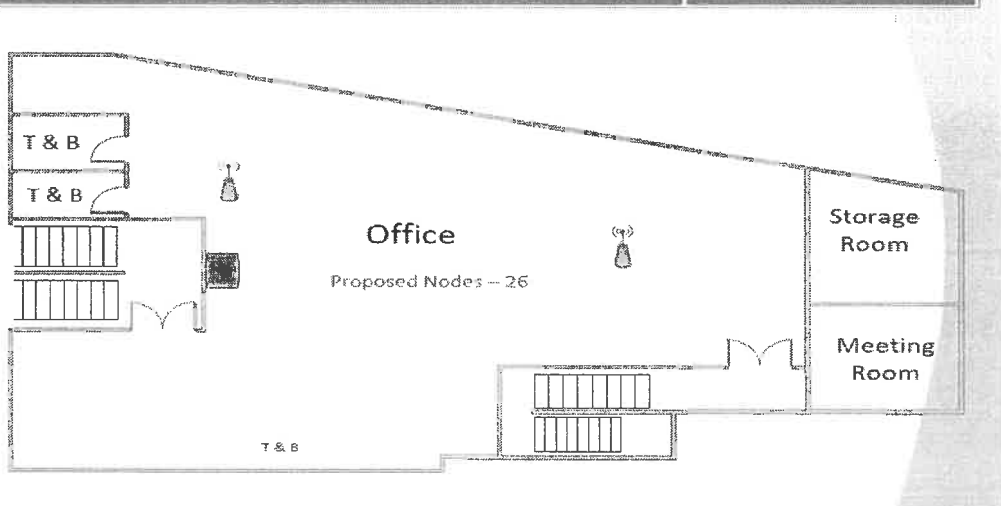


FIGURE 13

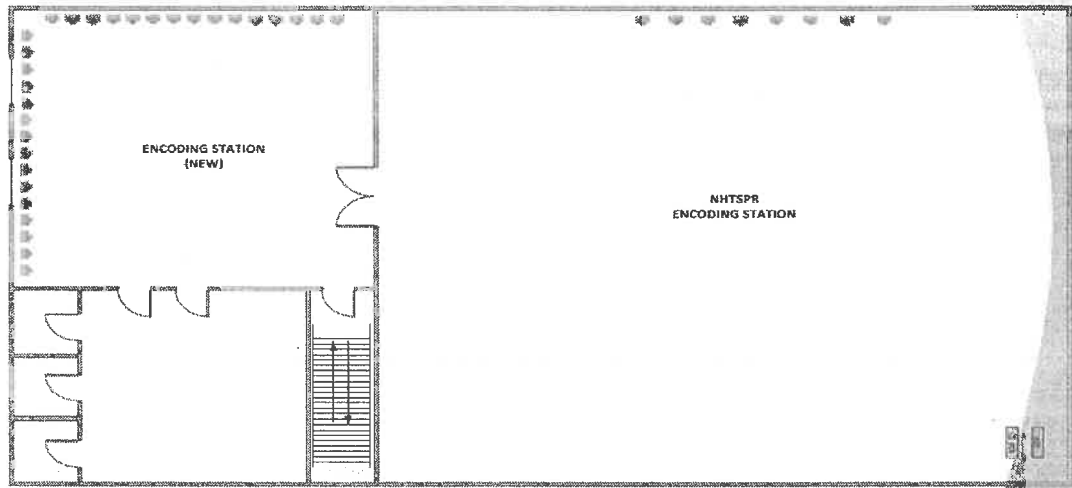
FO10 New Warehouse 1st Floor Proposed Network Nodes



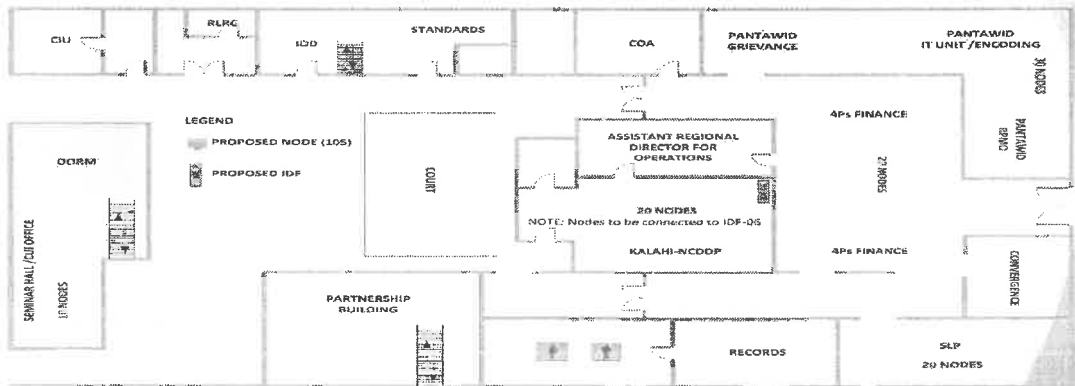
FO10 New Warehouse 2nd Floor Proposed Network Nodes



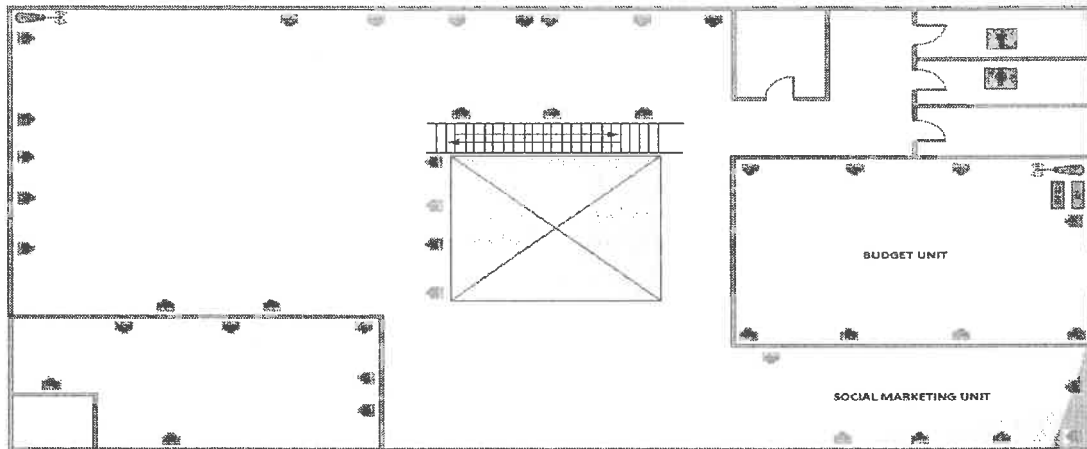
FO11 2nd FLOOR ENCODING AREA PROPOSED NETWORK NODES



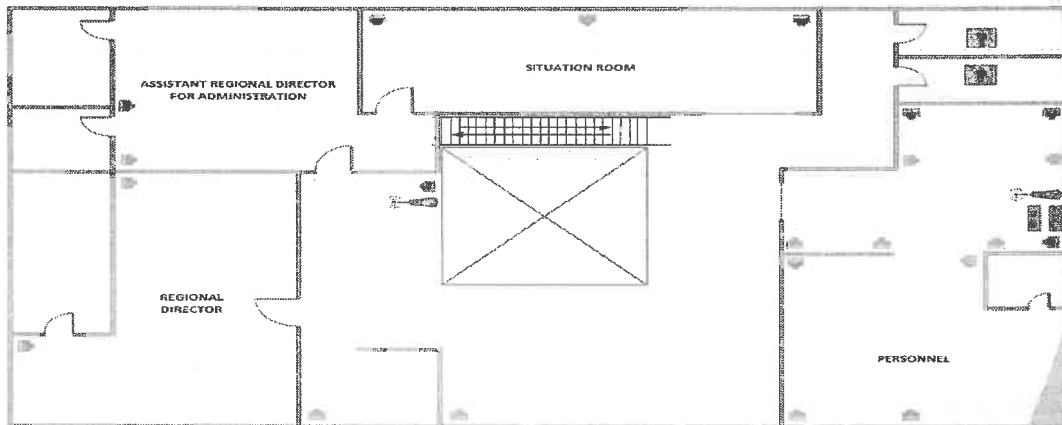
FO1.1 OLD BUILDING PROPOSED NETWORK NODES October 7, 2015



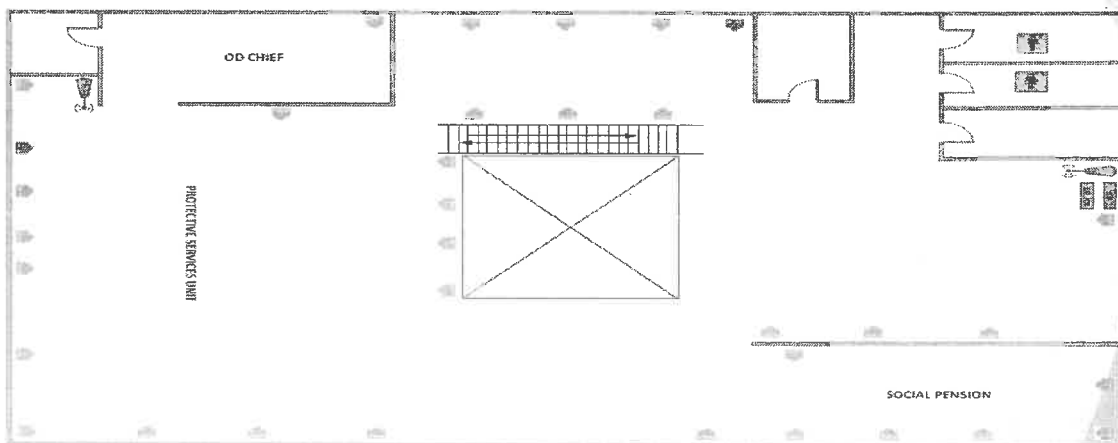
FO11 1st FLOOR GASSD /SMU PROPOSED NETWORK NODES



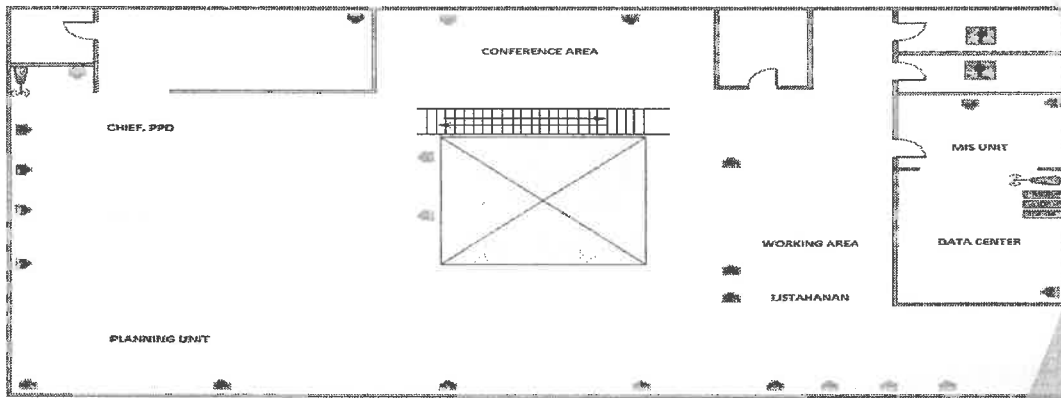
FO11 2nd FLOOR ORD /OARD PROPOSED NETWORK NODES



FO11 3rd FLOOR OPERATIONS DIVISION PROPOSED NETWORK NODES

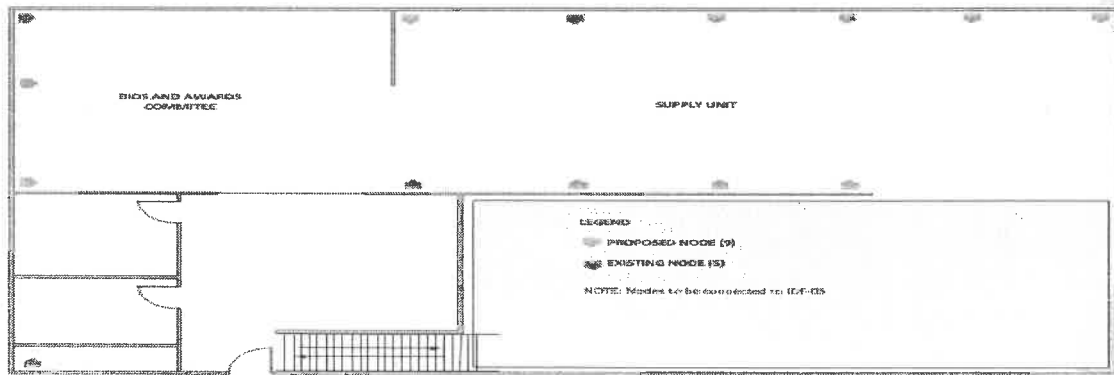


FO11 POLICY AND PLANS DIVISION PROPOSED NETWORK NODES

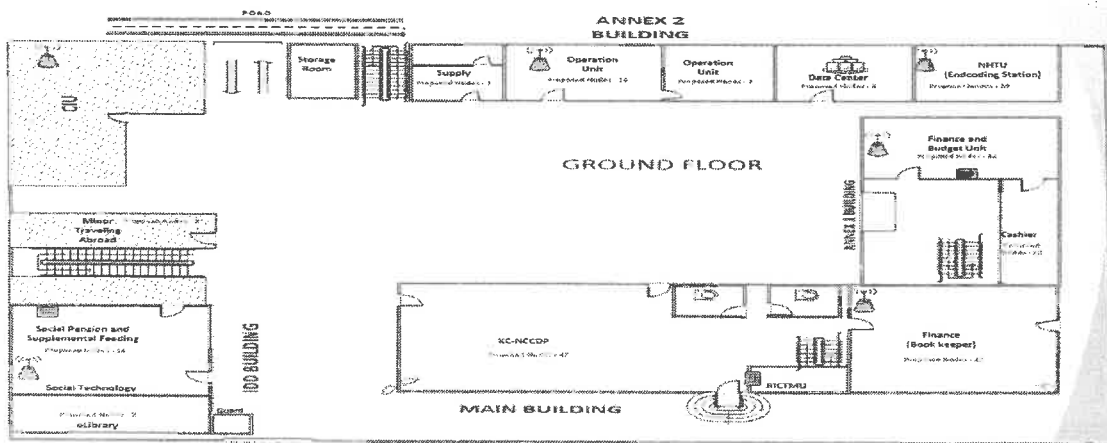


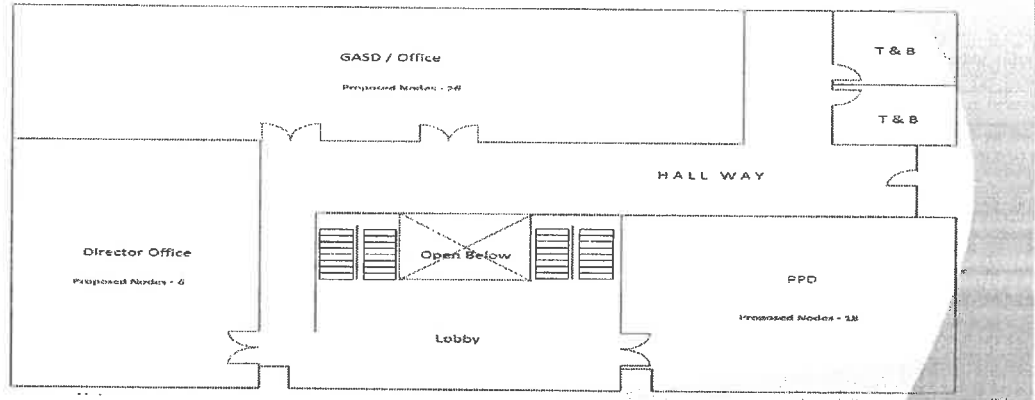
FO11 1st FLOOR WOMEN CENTER PROPOSED NETWORK NODES

December 7, 2015



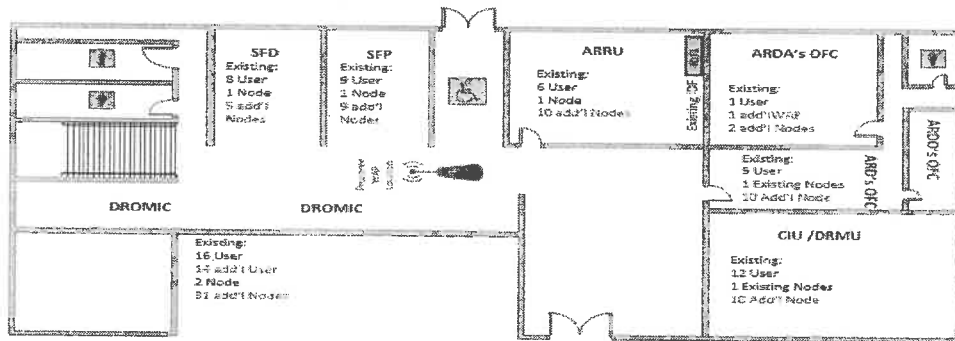
FO XII



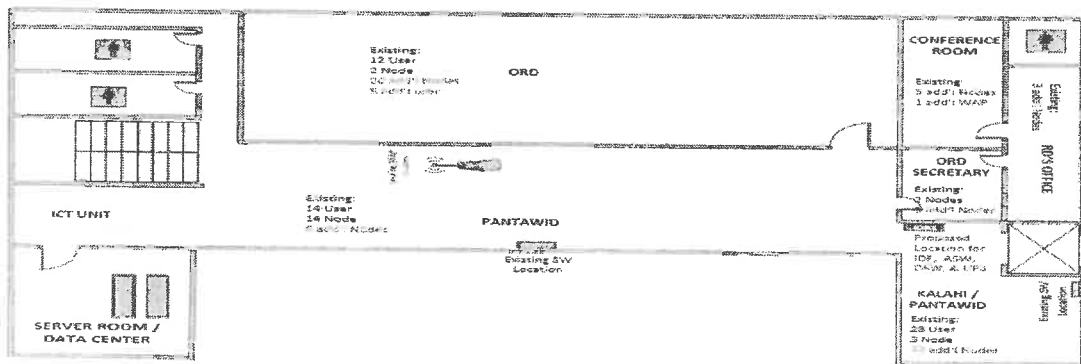


FO CAR

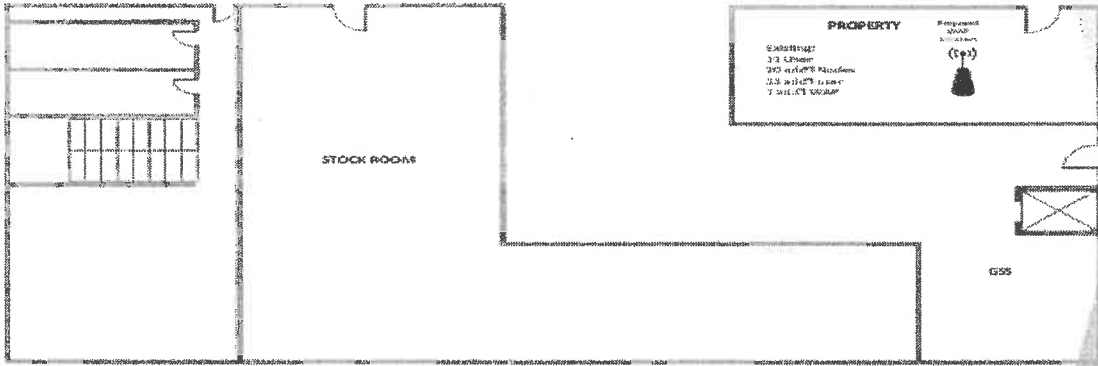
FO CAR FIRST FLOOR PROPOSED NETWORK NODES



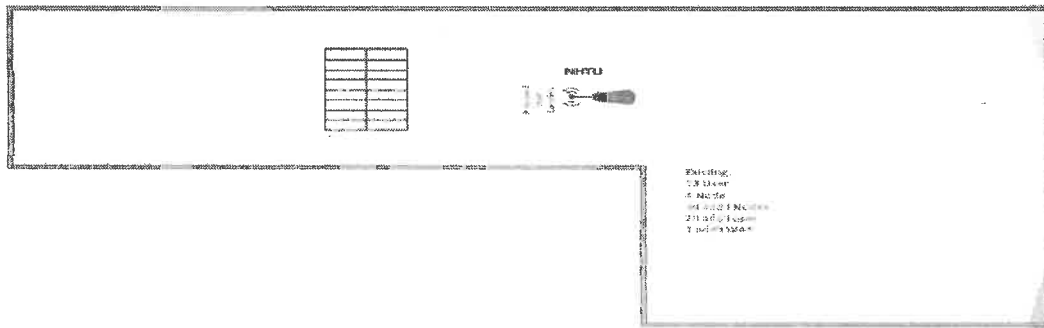
FO CAR SECOND FLOOR PROPOSED NETWORK NODES



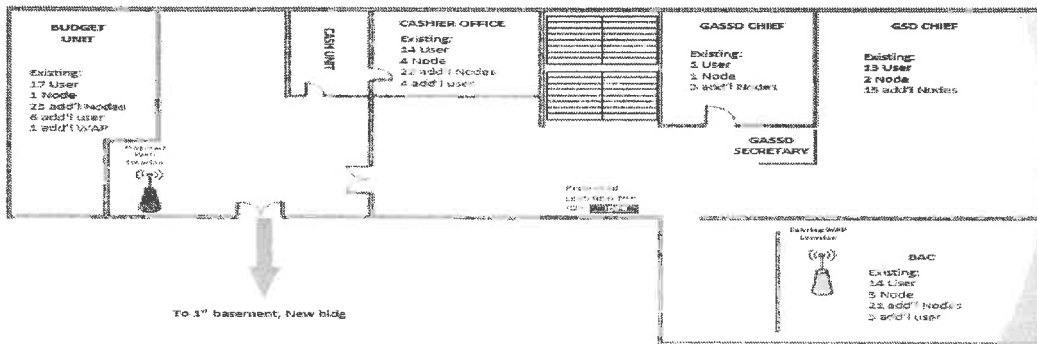
FO CAR SECOND BASEMENT FLOOR PROPOSED NETWORK NODES



FO CAR MEZZANINE FLOOR PROPOSED NETWORK NODES

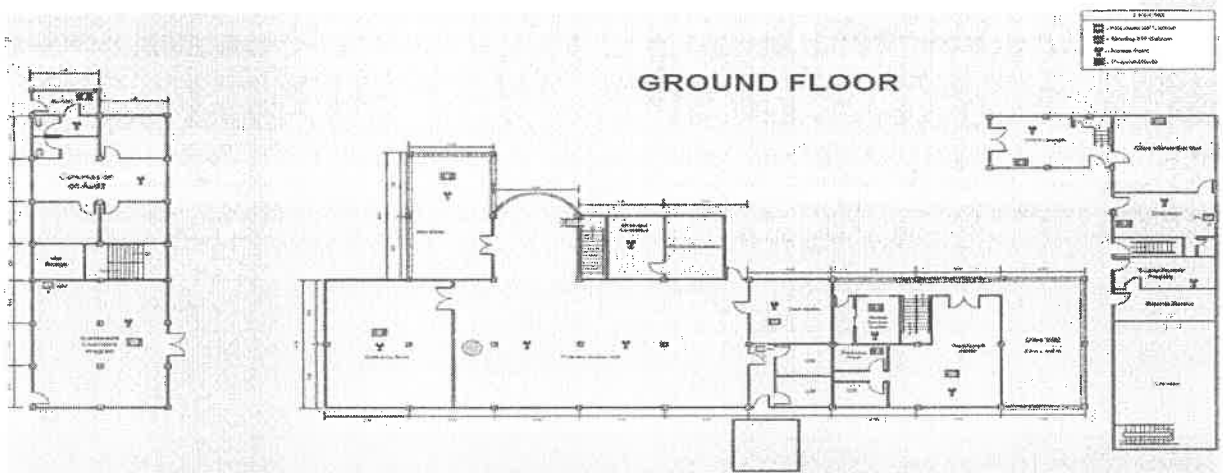


FO CAR OLD BLDG SECOND FLOOR (A & B) PROPOSED NETWORK NODES

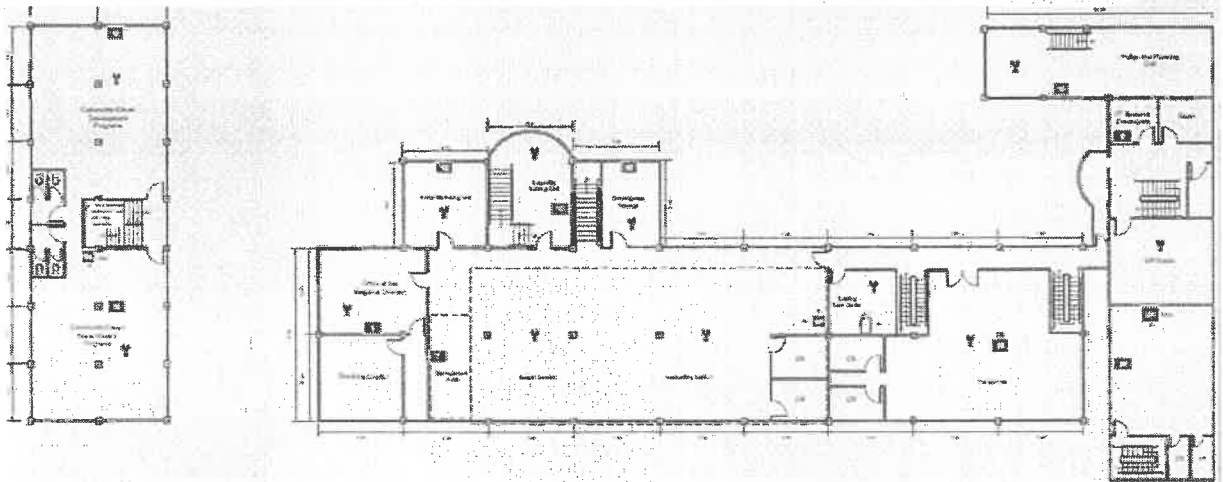


FO CARAGA

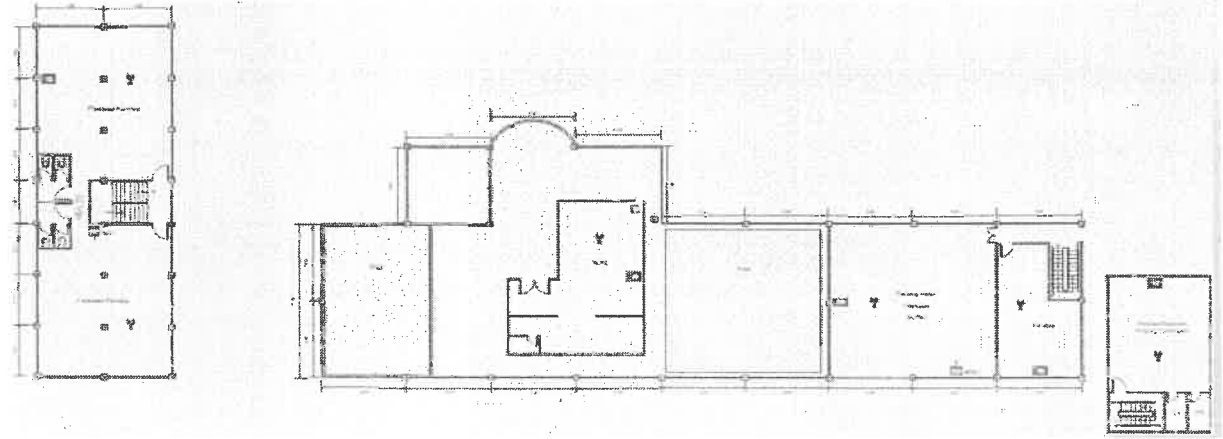
FO CARAGA GROUND FLOOR PROPOSED NETWORK NODES



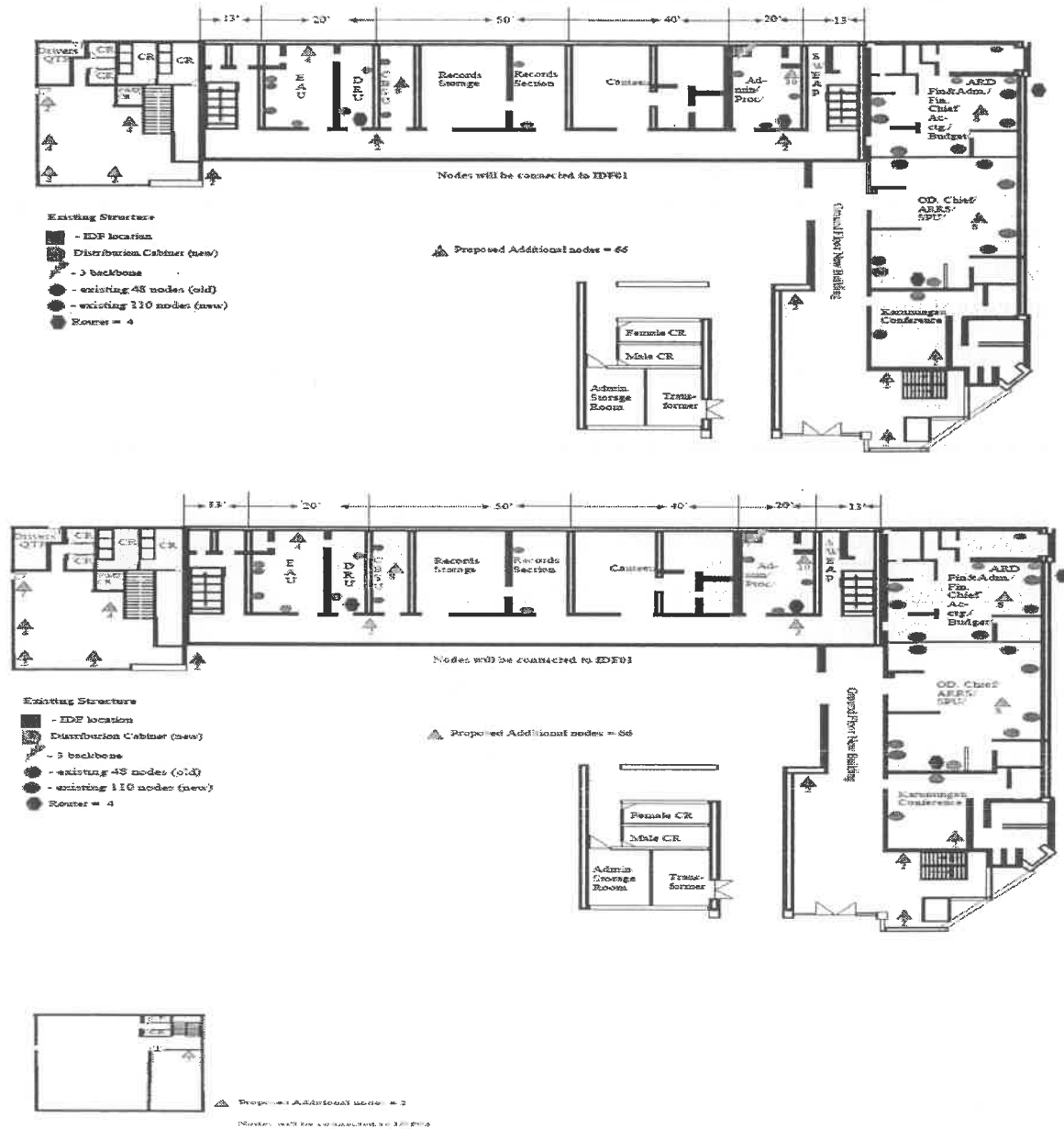
FO CARAGA 2nd FLOOR PROPOSED NETWORK NODES



FO CARAGA 3rd FLOOR PROPOSED NETWORK NODES



FO NCR



Name of Bidder: _____

Name of Authorized Representative: _____




Signature of Authorized Representative: _____

Date: _____




PRE-BID CONFERENCE
SUPPLY, DELIVERY AND INSTALLATION OF NETWORK INFRASTRUCTURE FOR DSWD FIELD OFFICES
(ITB NO. GOP/20-DSWD-016)
03 January 2020 at 02:00 PM

OUS-DRMG, Room 202, Directors Dormitory, DSWD Central Office, IBP Road, Batasan Hills, Quezon City

ATTENDANCE SHEET


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4	Dir. Ernestina Z. Solloso (BAC Regular Member)	4Ps	F	ezsolloso@dswd.gov.ph		
5	Dir. Irene B. Dumlao (BAC Alternate Member)	SMS	F	ibdumlao@dswd.gov.ph		
6	Dir. Emmanuel P. Privado (BAC Regular Member)	NRLMB	M	epprivado@dswd.gov.ph		
7	Mr. Felix M. Armeña (BAC Alternate Member)	ICTMS	M	fmarmena@dswd.gov.ph		
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21	Ms. Filipinas B. Alfonso	BAC Secretariat	F	fbalfonso@dswd.gov.ph	Loc. 121 -124	
22	Mr. Lourence C. Buenaventura	BAC Secretariat	M	lcbuenaventure@dswd.gov.ph	Loc. 121 -124	
23	<i>Dennis Aquino</i>	<i>ICTMS</i>	<i>M</i>			
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PRE-BID CONFERENCE
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03 January 2020 at 02:00 PM
OUS-DRMG, Room 202, Directors Dormitory, DSWD Central Office, IBP Road, Batasan Hills, Quezon City

BIDDERS ATTENDANCE SHEET

NO.	NAME	OFFICE	SEX	EMAIL	CONTACT NO.	SIGNATURE
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