



Bids and Awards Committee for ICT

March 04, 2022

BID BULLETIN NO. 1

This Bid Bulletin No. 1 is issued to modify or amend items in the Bid Document with Solicitation No.: 22-02-011 for the **MITHI ICT-INFRASTRUCTURE: Supply, Installation, Testing, and Centralized Configuration of Network Devices for Full Wi-Fi Coverage in the New PSHS Main Campus Administration Building.**

In the Pre-Bid Conference conducted last February 24, 2022 for the above-mentioned project, the following revisions in the bidding documents were effected:

1) Amendments to Section I – INVITATION TO BID

<i>No.</i>	<i>Before</i>	<i>Revised</i>
2	The PHILIPPINE SCIENCE HIGH SCHOOL – MAIN CAMPUS now invites bids for the above Procurement Project. Delivery of the Goods is required by ninety (90) calendar days. Bidders should have completed, within three (3) 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).	The PHILIPPINE SCIENCE HIGH SCHOOL – MAIN CAMPUS now invites bids for the above Procurement Project. Delivery of the Goods is required by one hundred eighty (180) calendar days . Bidders should have completed, within three (3) 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).
8	Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before March 8, 2022 at 1:45 p.m. Late bids shall not be accepted.	Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before March 11, 2022 at 1:45 p.m. Late bids shall not be accepted.
10	Bid opening shall be on March 8, 2022 at 2:00 p.m. via Google Meet (meet.google.com/amy-djux-ypo) Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.	Bid opening shall be on March 11, 2022 at 2:00 p.m. via Google Meet (meet.google.com/amy-djux-ypo) Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

2) Amendments to Section III – BID DATA SHEET

<i>ITB Clause</i>	<i>Before</i>	<i>Revised</i>
5.3	For this purpose, contracts similar to the Project shall be: a. <i>Supply, Installation, Testing, and Centralized Configuration of Network Devices for Full Wi-Fi</i>	For this purpose, contracts similar to the Project shall be: a. Upgrading of ICT Facilities and/or Network Improvements.

	<i>Coverage in the New Administration Building.</i> b. <i>completed within three (3) years prior to the deadline for the submission and receipt of bids.</i>	b. <i>completed within three (3) years prior to the deadline for the submission and receipt of bids.</i>
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3) Amendments to Section VI – SCHEDULE OF REQUIREMENTS

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
1	MITHI-ICT INFRASTRUCTURE: Supply, Installation, Testing, and Centralized Configuration of Network Devices for Full Wi-Fi Coverage in the New Administration Building	1	1	180 CD

4) Amendments to Section VII – TECHNICAL SPECIFICATIONS

<i>Before</i>	<i>Revised</i>
MITHI-ICT INFRASTRUCTURE: Supply, Installation, Testing, and Centralized Configuration of Network Devices for Full Wi-Fi Coverage in the New Administration Building	MITHI-ICT INFRASTRUCTURE: Supply, Installation, Testing, and Centralized Configuration of Network Devices for Full Wi-Fi Coverage in the New Administration Building
Forty-Two (42) units Mid Density Access Points	Forty-Two (42) units Mid Density Access Points
<ul style="list-style-type: none"> • Brand/ model must be compatible to existing PSHS-MC network devices to allow Centralized Management • Must be an indoor access point that has 5GHz and 2.4GHz 802.11ax 2x2 MIMO • Must have a maximum aggregate data rate of 1.77 Gbps or higher • Must at least have two (2) integrated dual-band downtilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 4.9dBi in 2.4GHz and 5.7dBi in 5GHz or higher. • Must support controllerless mode • Must support for up to 256 associated client devices per radio, and up to 16 BSSIDs per radio or higher. • Must have a dynamic frequency selection (DFS) that optimizes the use of available RF spectrum • Must support 802.11a/b/g/n/ac/ax radio technologies 	<ul style="list-style-type: none"> • Brand/ model must be compatible to existing PSHS-MC network devices to allow provision for Centralized Management in the future • Must be an indoor access point that has 5GHz and 2.4GHz 802.11ax 2x2 MIMO • Must have a maximum aggregate data rate of 1.77 Gbps or higher • Must at least have two (2) integrated dual-band downtilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 4.9dBi in 2.4GHz and 5.7dBi in 5GHz or higher. • Must support controllerless mode which has a web-based interface that will allow configuration and monitoring of the newly deployed Access Points in the New Administration Building • Must support for up to 256 associated client devices per radio, and up to 16 BSSIDs per radio or higher.

<ul style="list-style-type: none"> • Must be able to continuously monitor and report hardware energy consumption • Must have the following interfaces: <ul style="list-style-type: none"> ○ Ethernet wired network port (RJ-45) <ul style="list-style-type: none"> ▪ Auto-sensing link speed (10/100/1000BASE-T) and MDI/MDX ▪ PoE-PD: 48Vdc (nominal) 802.3af/at POE (class 3 or 4) ▪ 802.3az Energy Efficient Ethernet (EEE) ○ USB 2.0 • Must have the following features: <ul style="list-style-type: none"> ○ IoT-ready Bluetooth 5 and Zigbee support ○ OFDMA and MU-MIMO for enhanced multi-user efficiency ○ Must have built-in technology that resolves sticky client issues for Wi-Fi 6 and Wi-Fi 5 devices ○ WPA3 and Enhanced Open security • Maximum power consumption must be equal to or less than 16.5W for 802.3at. • Must at least support the ff. operating conditions: <ul style="list-style-type: none"> ○ Temperature: 0C to +50C ○ Humidity: 5% to 93% non-condensing ○ AP is plenum rated for use in air-handling spaces • Must at least support Mean Time Between Failure of 148 years at +25C operating temperature. • Must include mounting bracket kit for solid surface • Must at least include 3 years warranty coverage with next business day hardware response • Bidders must include configuration services and 3 years support for the access point 	<ul style="list-style-type: none"> • Must have a dynamic frequency selection (DFS) that optimizes the use of available RF spectrum • Must support 802.11a/b/g/n/ac/ax radio technologies • Must be able to continuously monitor and report hardware energy consumption • Must have the following interfaces: <ul style="list-style-type: none"> ○ Ethernet wired network port (RJ-45) <ul style="list-style-type: none"> ▪ Auto-sensing link speed (10/100/1000BASE-T) and MDI/MDX ▪ PoE-PD: 48Vdc (nominal) 802.3af/at POE (class 3 or 4) ▪ 802.3az Energy Efficient Ethernet (EEE) ○ USB 2.0 • Must have the following features: <ul style="list-style-type: none"> ○ IoT-ready Bluetooth 5 and Zigbee support ○ OFDMA and MU-MIMO for enhanced multi-user efficiency ○ Must have built-in technology that resolves sticky client issues for Wi-Fi 6 and Wi-Fi 5 devices ○ WPA3 and Enhanced Open security • Maximum power consumption must be equal to or less than 16.5W for 802.3at. • Must at least support the ff. operating conditions: <ul style="list-style-type: none"> ○ Temperature: 0C to +50C ○ Humidity: 5% to 93% non-condensing ○ AP is plenum rated for use in air-handling spaces • Must at least support Mean Time Between Failure of 148 years at +25C operating temperature. • Must include mounting bracket kit for solid surface • Must at least include 3 years warranty coverage with next business day hardware response • Bidders must include configuration services and 3 years support for the access point
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Three (3) units High Density Access Points	Three (3) units High Density Access Points
<ul style="list-style-type: none"> • Brand/ model must be compatible to existing PSHS-MC network devices to allow Centralized Management • Must be an indoor access point that has 5GHz and 2.4GHz 802.11ax 4x4 MIMO • Must have a maximum aggregate data rate of 3.55 Gbps or higher • Must at least have four (4) integrated dual-band downtilt omni-directional antennas for 4x4 MIMO with peak antenna gain of 3.5dBi in 2.4GHz and 5.4dBi in 5GHz or higher • Must support controllerless mode • Must support for up to 1,024 associated client devices per radio, and up to 16 BSSIDs per radio or higher. • Must have a dynamic frequency selection (DFS) that optimizes the use of available RF spectrum • Must support 802.11a/b/g/n/ac/ax radio technologies • Must have a trusted platform module for secure storage of credentials and keys, and boot code • Must have the following interfaces: <ul style="list-style-type: none"> ○ Ethernet wired network port (RJ-45 – E0, E1) <ul style="list-style-type: none"> ▪ Auto-sensing link speed (100/1000/2500/5000B ASE-T) and MDI/MDX ▪ PoE-PD: 48Vdc (nominal) 802.3af/at/bt POE (class 3 or higher) ▪ 802.3az Energy Efficient Ethernet (EEE) ○ USB 2.0 • Must have the following features: <ul style="list-style-type: none"> ○ IoT-ready Bluetooth 5, and Zigbee support ○ OFDMA and MU-MIMO for enhanced multi-user efficiency ○ Must have built-in technology that resolves sticky client issues for Wi-Fi 6 and Wi-Fi 5 devices ○ WPA3 and Enhanced Open security • Maximum power consumption must be equal to or less than 30W for 802.3bt. 	<ul style="list-style-type: none"> • Brand/ model must be compatible to existing PSHS-MC network devices to allow provision for Centralized Management in the future • Must be an indoor access point that has 5GHz and 2.4GHz 802.11ax 4x4 MIMO • Must have a maximum aggregate data rate of 3.55 Gbps or higher • Must at least have four (4) integrated dual-band downtilt omni-directional antennas for 4x4 MIMO with peak antenna gain of 3.5dBi in 2.4GHz and 5.4dBi in 5GHz or higher • Must support controllerless mode which has a web-based interface that will allow configuration and monitoring of the newly deployed Access Points in the New Administration Building • Must support for up to 1,024 associated client devices per radio, and up to 16 BSSIDs per radio or higher. • Must have a dynamic frequency selection (DFS) that optimizes the use of available RF spectrum • Must support 802.11a/b/g/n/ac/ax radio technologies • Must have a trusted platform module for secure storage of credentials and keys, and boot code • Must have the following interfaces: <ul style="list-style-type: none"> ○ Ethernet wired network port (RJ-45 – E0, E1) <ul style="list-style-type: none"> ▪ Auto-sensing link speed (100/1000/2500/5000B ASE-T) and MDI/MDX ▪ PoE-PD: 48Vdc (nominal) 802.3af/at/bt POE (class 3 or higher) ▪ 802.3az Energy Efficient Ethernet (EEE) ○ USB 2.0 • Must have the following features: <ul style="list-style-type: none"> ○ IoT-ready Bluetooth 5, and Zigbee support ○ OFDMA and MU-MIMO for enhanced multi-user efficiency

<ul style="list-style-type: none"> • Must at least support the ff. operating conditions: <ul style="list-style-type: none"> ○ Temperature: 0C to +50C ○ Humidity: 5% to 93% non-condensing ○ AP is plenum rated for use in air-handling spaces • Must at least support Mean Time Between Failure of 57 years at +25C operating temperature. • Must include mounting bracket kit for solid surface • Must at least include 3 years warranty coverage with next business day hardware response • Bidders must include configuration services and 3 years support for the access point 	<ul style="list-style-type: none"> ○ Must have built-in technology that resolves sticky client issues for Wi-Fi 6 and Wi-Fi 5 devices ○ WPA3 and Enhanced Open security • Maximum power consumption must be equal to or less than 30W for 802.3bt. • Must at least support the ff. operating conditions: <ul style="list-style-type: none"> ○ Temperature: 0C to +50C ○ Humidity: 5% to 93% non-condensing ○ AP is plenum rated for use in air-handling spaces • Must at least support Mean Time Between Failure of 57 years at +25C operating temperature. • Must include mounting bracket kit for solid surface • Must at least include 3 years warranty coverage with next business day hardware response • Bidders must include configuration services and 3 years support for the access point
Two (2) units Outdoor Access Points	Two (2) units Outdoor Access Points
<ul style="list-style-type: none"> • Brand/ model must be compatible to existing PSHS-MC network devices to allow Centralized Management • Must be an outdoor access point that has Wi-Fi 6 dual radio, 5GHz 2x2 MIMO and 2.4GHz 2x2 MIMO • Must have a maximum aggregate on air data rates of 1.49 Gbps or higher • Must have built in omni directional antennas with 5.4dBi 5GHz antennas and 3.2dBi 2.4GHz antennas or higher. • Must support controllerless mode • Must support for up to 256 associated client devices per radio, and up to 16 BSSIDs per radio or higher. • Must have a dynamic frequency selection (DFS) that optimizes the use of available RF spectrum • Must support 802.11a/b/g/n/ac/ax radio technologies • Must be able to continuously monitor and report hardware energy consumption • Must have the following interfaces: 	<ul style="list-style-type: none"> • Brand/ model must be compatible to existing PSHS-MC network devices to allow provision for Centralized Management in the future • Must be an outdoor access point that has Wi-Fi 6 dual radio, 5GHz 2x2 MIMO and 2.4GHz 2x2 MIMO • Must have a maximum aggregate on air data rates of 1.49 Gbps or higher • Must have built in omni directional antennas with 5.4dBi 5GHz antennas and 3.2dBi 2.4GHz antennas or higher. • Must support controllerless mode which has a web-based interface that will allow configuration and monitoring of the newly deployed Access Points in the New Administration Building • Must support for up to 256 associated client devices per radio, and up to 16 BSSIDs per radio or higher. • Must have a dynamic frequency selection (DFS) that optimizes the use of available RF spectrum • Must support 802.11a/b/g/n/ac/ax radio technologies

<ul style="list-style-type: none"> <ul style="list-style-type: none"> ○ Ethernet wired network port (RJ-45) <ul style="list-style-type: none"> ▪ Auto-sensing link speed (10/100/1000BASE-T) and MDI/MDX ▪ PoE-PD: 48Vdc (nominal) 802.3at/bt POE (class 3 or higher) ▪ 802.3az Energy Efficient Ethernet (EEE) ○ USB-C Console Interface • Must have the following features: <ul style="list-style-type: none"> ○ IoT-ready Bluetooth 5, and Zigbee support ○ OFDMA and MU-MIMO for enhanced multi-user efficiency ○ WPA3 and Enhanced Open security • Maximum power consumption must be equal to or less than 15.6W. • Must at least support the ff. operating conditions: <ul style="list-style-type: none"> ○ Temperature: -40C to +55C with full solar loading ○ Humidity: 5% to 93% non-condensing internal ○ Rated for operation in all weather conditions ○ Water and Dust IP66/67 ○ Salt Tolerance (Tested to ASTM B117-07A Salt Spray 200 hrs) • Must include flush wall or ceiling mount kit. • Must at least include 3 years warranty coverage with next business day hardware response • Bidders must include configuration services and 3 years support for the access point 	<ul style="list-style-type: none"> • Must be able to continuously monitor and report hardware energy consumption • Must have the following interfaces: <ul style="list-style-type: none"> ○ Ethernet wired network port (RJ-45) <ul style="list-style-type: none"> ▪ Auto-sensing link speed (10/100/1000BASE-T) and MDI/MDX ▪ PoE-PD: 48Vdc (nominal) 802.3at/bt POE (class 3 or higher) ▪ 802.3az Energy Efficient Ethernet (EEE) ○ USB-C Console Interface • Must have the following features: <ul style="list-style-type: none"> ○ IoT-ready Bluetooth 5, and Zigbee support ○ OFDMA and MU-MIMO for enhanced multi-user efficiency ○ WPA3 and Enhanced Open security • Maximum power consumption must be equal to or less than 15.6W. • Must at least support the ff. operating conditions: <ul style="list-style-type: none"> ○ Temperature: -40C to +55C with full solar loading ○ Humidity: 5% to 93% non-condensing internal ○ Rated for operation in all weather conditions ○ Water and Dust IP66/67 ○ Salt Tolerance (Tested to ASTM B117-07A Salt Spray 200 hrs) • Must include flush wall or ceiling mount kit. • Must at least include 3 years warranty coverage with next business day hardware response • Bidders must include configuration services and 3 years support for the access point
<ul style="list-style-type: none"> • Bidder must at least a Gold Partner of proposed brand solution for the Access Points • The bidder must have at least one (1) Certified Switching Professional of proposed brand solution for the Access 	<ul style="list-style-type: none"> • Bidder must at least a Gold Partner of proposed brand solution for the Access Points • The bidder must have at least one (1) Certified Switching Professional of proposed brand solution for the Access

Points, who have relevant experience in the implementation of this project, must have been employed by the prospective bidder as full-time regular employee for at least two (2) years and shall submit proof of individual certificate with CV and COE	Points, who have relevant experience in the implementation of this project, must have been employed by the prospective bidder as full-time regular employee for at least two (2) years and shall submit proof of individual certificate with CV and COE
One (1) Lot Horizontal Cabling	One (1) Lot Horizontal Cabling
12 Rolls - UTP Category 6 Cable Must meet the following performance specifications: <ul style="list-style-type: none"> • Category 6 UTP cable shall meet ANSI/TIA-568-2.D and IEC 61156-5 Category 6 component standards • The conductors shall be 24 AWG copper insulated with HDPE polymer. • Certified performance in a 4-connector configuration up to 100 meters, meets ANSI/TIA-568-2.D, ISO 11801 2nd Edition Class E and IEC 61156-5 Category 6 channel and component requirements • Meets IEEE 802.3af and IEEE 802.3at for PoE applications 	12 Rolls - UTP Category 6 Cable Must meet the following performance specifications: <ul style="list-style-type: none"> • Category 6 UTP cable shall meet ANSI/TIA-568-2.D and IEC 61156-5 Category 6 component standards • The conductors shall be 24 AWG copper insulated with HDPE polymer. • Certified performance in a 4-connector configuration up to 100 meters, meets ANSI/TIA-568-2.D, ISO 11801 2nd Edition Class E and IEC 61156-5 Category 6 channel and component requirements • Meets IEEE 802.3af and IEEE 802.3at for PoE applications
47 pcs - Patch cord Must meet the following performance specifications: <ul style="list-style-type: none"> • Exceeds all ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E Edition 2.1 standards for all frequencies from 1 to 250 MHz • Meets all applicable ANSI/TIA-968-A requirements; contacts plated with 50 microinches of gold for superior performance • Meets IEC 60603-7 and UL 1863 approved • Optimizes performance and consistency by reducing untwist at plug • Prevents snags and provides easy release, saving time on frequent moves, adds and changes • U/UTP stranded 24 AWG copper cable with a nominal diameter of 0.235 inch allows for high density installations and superior panel cable management • Must be 2 meters in length 	47 pcs - Patch cord Must meet the following performance specifications: <ul style="list-style-type: none"> • Exceeds all ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E Edition 2.1 standards for all frequencies from 1 to 250 MHz • Meets all applicable ANSI/TIA-968-A requirements; contacts plated with 50 microinches of gold for superior performance • Meets IEC 60603-7 and UL 1863 approved • Optimizes performance and consistency by reducing untwist at plug • Prevents snags and provides easy release, saving time on frequent moves, adds and changes • U/UTP stranded 24 AWG copper cable with a nominal diameter of 0.235 inch allows for high density installations and superior panel cable management • Must be 2 meters in length
47 pcs - Jack Module Must meet the following performance specifications: <ul style="list-style-type: none"> • Exceeds component requirements of ANSI/TIA-568-C.2 Category 6 and ISO 	47 pcs - Jack Module Must meet the following performance specifications: <ul style="list-style-type: none"> • Exceeds component requirements of ANSI/TIA-568-C.2 Category 6 and ISO

<p>11801 Class E standards at swept frequencies 1 to 250 MHz</p> <ul style="list-style-type: none"> • Meets ANSI/TIA-1096-A; contacts plated with 50 microinches of gold for superior performance • Rated for 2500 cycles with IEEE 802.3af / 802.3at and proposed 802.3bt type 3 and type 4 • Meets IEC 60603-7 and UL 1863 approved • Controls cable bend radius for long term installed performance • Conductor retention slots simplify jack module termination 	<p>11801 Class E standards at swept frequencies 1 to 250 MHz</p> <ul style="list-style-type: none"> • Meets ANSI/TIA-1096-A; contacts plated with 50 microinches of gold for superior performance • Rated for 2500 cycles with IEEE 802.3af / 802.3at and proposed 802.3bt type 3 and type 4 • Meets IEC 60603-7 and UL 1863 approved • Controls cable bend radius for long term installed performance • Conductor retention slots simplify jack module termination
<p>3 pcs - Copper Patch panel Must meet the following performance specifications:</p> <ul style="list-style-type: none"> • Mounts to standard EIA 19" racks or 23" racks with optional extender brackets • Stamping is CRS and faceplate is ABS • Packaged with appropriate pre-installed snap-in faceplates, a set of mounting screws (#12-24), and label/label cover where applicable • Eliminates patch cord interference with cabinet doors and improves bend radius protection 	<p>3 pcs - Copper Patch panel Must meet the following performance specifications:</p> <ul style="list-style-type: none"> • Mounts to standard EIA 19" racks or 23" racks with optional extender brackets • Stamping is CRS and faceplate is ABS • Packaged with appropriate pre-installed snap-in faceplates, a set of mounting screws (#12-24), and label/label cover where applicable • Eliminates patch cord interference with cabinet doors and improves bend radius protection
<p>3 pcs - Cable Manager Must meet the following performance specifications:</p> <ul style="list-style-type: none"> • Maintains bend radii as cables transition to and from horizontal and vertical pathways • Opens upward or downward to provide easy access to cables in horizontal pathway without having to completely remove cover • Provides larger area for high performance Category 6 cables • Provides durability and easy installation • Provide for easy installation and organizes cables simplifying moves, adds, and changes • Protect cables from snags and damage to cable • Provide ease of installation and cable maintenance • Snap on finger to keep cables in place during moves, adds, and changes 	<p>3 pcs - Cable Manager Must meet the following performance specifications:</p> <ul style="list-style-type: none"> • Maintains bend radii as cables transition to and from horizontal and vertical pathways • Opens upward or downward to provide easy access to cables in horizontal pathway without having to completely remove cover • Provides larger area for high performance Category 6 cables • Provides durability and easy installation • Provide for easy installation and organizes cables simplifying moves, adds, and changes • Protect cables from snags and damage to cable • Provide ease of installation and cable maintenance • Snap on finger to keep cables in place during moves, adds, and changes
<p>47 pcs - Modular Plug Must meet the following performance specifications:</p>	<p>47 pcs - Modular Plug Must meet the following performance specifications:</p>

<ul style="list-style-type: none"> Exceeds ANSI/TIA Category 6 and ISO Class E performance requirements when properly terminated to branded Category 6 UTP copper cable Meets ANSI/TIA-1096-A (formerly FCC Part 68) IEC-60603-7 Supports PoE, PoE+, and proposed Type 3 and 4 PoE++ applications for up to 100 W cULus Listed; UL 1863 and CAN/CSA-C22.2 (UL File E129886) RoHS Compliant Compatible with branded 23-24 AWG solid or stranded Category 6 UTP patch cable UL94V-0 rated clear Polycarbonate 	<ul style="list-style-type: none"> Exceeds ANSI/TIA Category 6 and ISO Class E performance requirements when properly terminated to branded Category 6 UTP copper cable Meets ANSI/TIA-1096-A (formerly FCC Part 68) IEC-60603-7 Supports PoE, PoE+, and proposed Type 3 and 4 PoE++ applications for up to 100 W cULus Listed; UL 1863 and CAN/CSA-C22.2 (UL File E129886) RoHS Compliant Compatible with branded 23-24 AWG solid or stranded Category 6 UTP patch cable UL94V-0 rated clear Polycarbonate
<ul style="list-style-type: none"> The Cable Manufacturer shall be ISO 9001 and 14001 registered 	<ul style="list-style-type: none"> The Cable Manufacturer shall be ISO 9001 and 14001 registered
<ul style="list-style-type: none"> The bidder must have locally based certified personnel who have relevant experience in the implementation of this project, must have been employed by the prospective bidder as full-time regular employees for at least one (1) year and shall submit proof of individual valid certificates with CV and COE: 2 Certified Data Centre Professional (CDCP) 1 Certified Data Centre Specialist (CDCS) 	<ul style="list-style-type: none"> The bidder must have locally based certified personnel who have relevant experience in the implementation of this project, must have been employed by the prospective bidder as full-time regular employees for at least one (1) year and shall submit proof of individual valid certificates with CV and COE: 1 Certified Data Centre Professional (CDCP). 1 trained on Data Centre Specialist (CDCS).
<p>Installation practices shall comply to manufacturer best practices:</p> <ul style="list-style-type: none"> Structured cabling warranty should be at least 20 years. One (1) Year Warranty on Workmanship 	<p>Installation practices shall comply to manufacturer best practices:</p> <ul style="list-style-type: none"> Structured cabling warranty should be at least 20 years. One (1) Year Warranty on Workmanship
<p><u>SCOPE OF WORK</u></p> <ul style="list-style-type: none"> Model/ Simulation of Building Wi-Fi signal coverage to show that there will NOT be any Dead Spots (i.e. Full Coverage). This is being shown during Post-Qual. Supply and installation of UTP cat6 from existing IDF cabinets to Access point locations Supply and installation of roughing - ins with proper hangers and support Supply and installation of UTP patch panels, cable managers, information outlet and patch cords 	<p><u>SCOPE OF WORK</u></p> <ul style="list-style-type: none"> Model/ Simulation of Building Wi-Fi signal coverage to show that there will NOT be any Dead Spots (i.e. Full Coverage). This is being shown during Post-Qual. Supply and installation of UTP cat6 from existing IDF cabinets to Access point locations Supply and installation of roughing - ins with proper hangers and support Supply and installation of UTP patch panels, cable managers, information outlet and patch cords

<ul style="list-style-type: none"> • Mounting of 47 units Access Points • Reuse of existing IDF cabinets, Network switches, UPS and PDU • Testing and configuration of active devices • End to end termination of Cables, Harnessing and Tagging • End to end testing of cables • Testing, Documentation and Commissioning • Knowledge Transfer • Turn-over and Project Acceptance 	<ul style="list-style-type: none"> • Mounting of 47 units Access Points • Reuse of existing IDF cabinets, Network switches, UPS and PDU • Testing and configuration of active devices with submission of test results and configuration settings reports. Test results report should follow industry standard testing parameters for Wireless LAN or AP. • End to end termination of Cables, Harnessing and Tagging • End to end testing of cables • Testing, Documentation and Commissioning • Knowledge Transfer • Turn-over and Project Acceptance • Provide training to MIS Personnel on AP Configuration.
Additional Documentary Requirements shall be submitted with Conformity of the Technical Specifications during the bid opening	Additional Documentary Requirements shall be submitted with Conformity of the Technical Specifications during the bid opening
1. Original or downloaded copies in English text from its website of any of the following <input type="checkbox"/> Brochures <input type="checkbox"/> Operation / Parts / Service Manuals with technological diagram or Other Product Literature and must be submitted with the bid documents.	1. Original or downloaded copies in English text from its website of any of the following <input type="checkbox"/> Brochures <input type="checkbox"/> Operation / Parts / Service Manuals with technological diagram or Other Product Literature and must be submitted with the bid documents.
2. Manufacturer's Certificate or Manufacturer's Authorization that the bidder is an authorized dealer/reseller for the following components: <ul style="list-style-type: none"> • Access Points • Cabling Products and Peripherals 	2. Manufacturer's Certificate or Manufacturer's Authorization that the bidder is an authorized dealer/reseller for the following components: <ul style="list-style-type: none"> • Access Points • Cabling Products and Peripherals
3. The Bidder shall have a single largest completed contract similar in nature within the last three (3) years from the date of the bid opening and a completion certificate with at least very satisfactory rating.	3. The Bidder shall have a single largest completed contract similar in nature within the last three (3) years from the date of the bid opening and a completion certificate with at least very satisfactory rating.
4. Vendors Support Information (Contact Person, Complete Address, Contact Number, Email Address) of the duly authorized representative/s of the Bidder;	4. Vendors Support Information (Contact Person, Complete Address, Contact Number, Email Address) of the duly authorized representative/s of the Bidder;
5. Bidder should have a project management team to assure smooth implementation of the project: composed of at least one (1) senior certified Project Management Professional (PMP) with at least five (5)	5. Bidder should have a project management team to assure smooth implementation of the project: composed of at least one (1) PMI trained Project Manager with at least five (5) years' experience in project

years' experience in project management and one (1) Assistant Project Manager during the implementation to oversee the project and shall be required to attend all site meetings, project meetings and project status report meetings.	management and one (1) Assistant Project Manager during the implementation to oversee the project and shall be required to attend all site meetings, project meetings and project status report meetings.
6. The bidder's Project Managers shall submit a certificate of employment, CVs and a copy of a valid PMP certificate.	6. The bidder's Project Managers shall submit a certificate of employment, CVs and a copy of the training certificates .

5) Amendments to Section VIII – CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) ***in accordance with Section 8.5.2 of the IRR;***

Technical Documents

- ☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- ☐ (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- ☐ (f) Original duly signed Omnibus Sworn Statement (OSS);
and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- ☐ (g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC);
or
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class “B” Documents

- ☐ (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

Other documentary requirements under RA No. 9184 (as applicable)

- ☐ (i) *[For foreign bidders claiming by reason of their country’s extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- ☐ (j) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

Additional documentary requirement/s by the Procuring Entity

- ☐ (k) Supplemental Bid Bulletin/s; **and**
- ☐ (l) Certificate of Site Inspection.

25 FINANCIAL COMPONENT ENVELOPE

- ☐ (a) Original of duly signed and accomplished Financial Bid Form; **and**
- ☐ (b) Original of duly signed and accomplished Price Schedule(s).

Additional documentary requirements required by the Procuring Entity

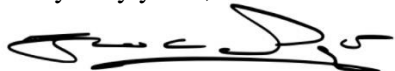
- ☐ ~~(c) — Estimates (Annex O); **and**~~
- ☐ ~~(d) — Equipment Estimates (Annex P).~~

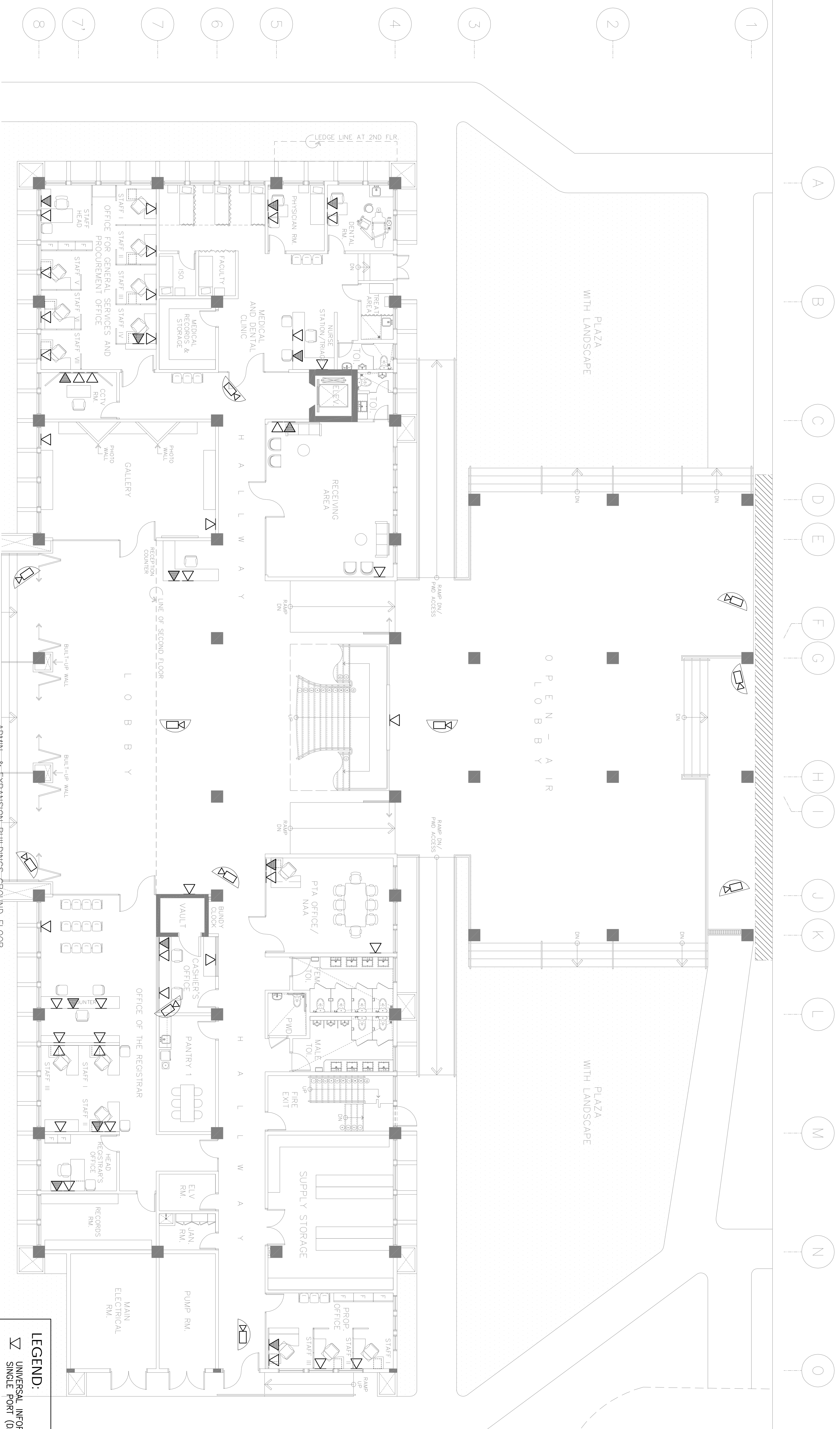
- 6) Floor Plan of the New Administration Building (see attached)
- EC-1
 - EC-2
 - EC-3
 - EC-4


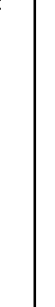
This Supplemental Bid Bulletin No. 1 shall form part of the Bidding Documents. Any provision in the Bidding Documents inconsistent herewith is hereby amended, modified and superseded accordingly.

For guidance and information of all concerned.

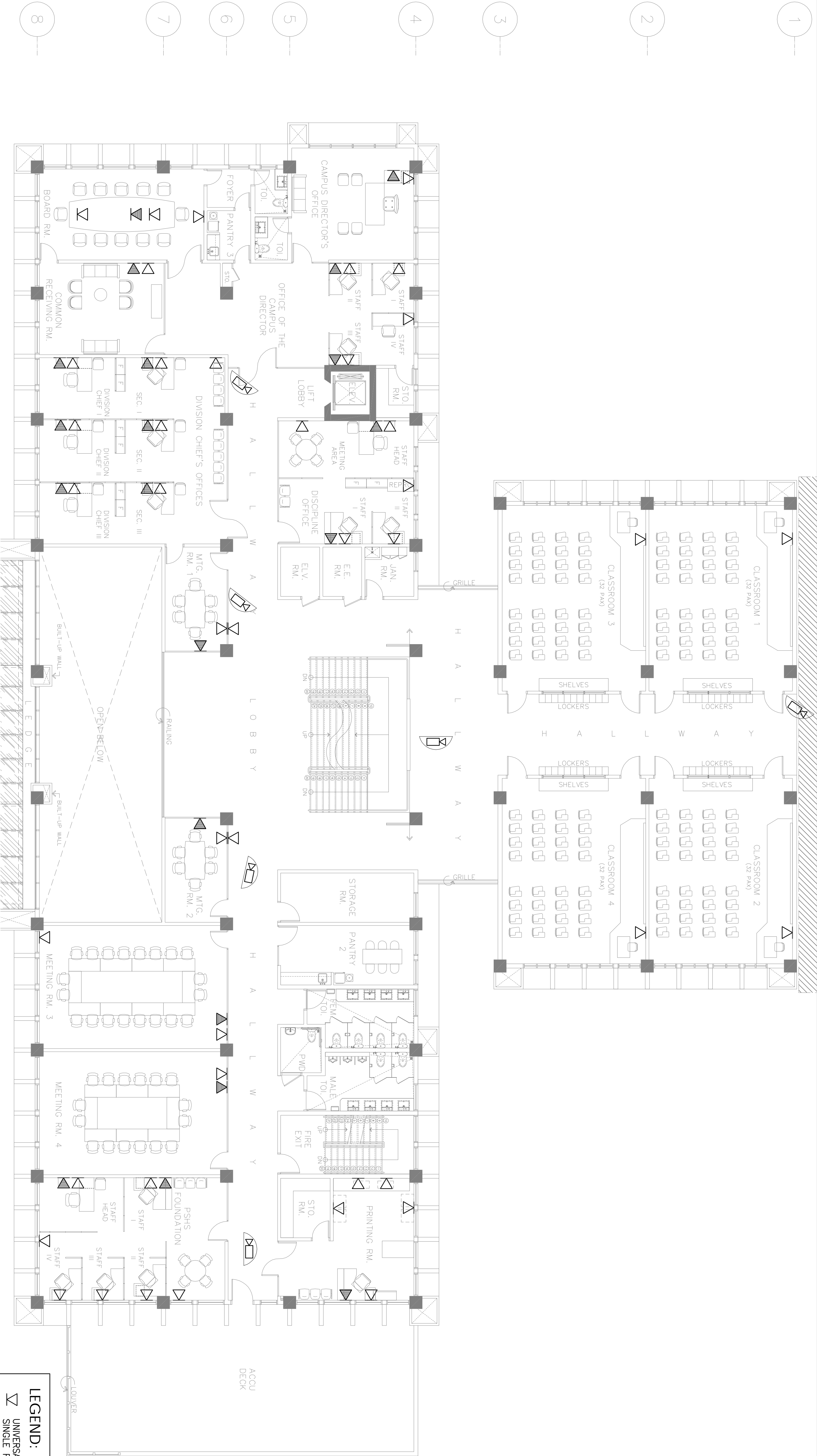
Very truly yours,


LEO ANDREI A. CRISOLOGO
Chairperson, BAC for ICT



<div>CONSULTANT:</div> <div><div></div><div>ARCE • BAILON • ARCE</div><div>ARCHITECTS • ENGINEERS • CONSULTANTS</div><div>14 SCOUT BORGARDO STREET SOUTH BANGALORE CHIEF DON CITY</div><div>RIJUNGINE : 3552323 FAX NO. 3551780</div><div>www.arcebailonbailon.com</div></div>				<div>PRINCIPAL ARCHITECT:</div> <div>MARIANO S. ARCE, JR., fuap</div>				<div>PROF. ELECTRONICS ENGR.:</div> <div>RAYMOND C. MEDINA</div> <div>Arch. Engr. - RCM</div>				<div>PROJECT TITLE:</div> <div>CONSTRUCTION OF THE ADMINISTRATIVE BUILDING AND REHABILITATION/EXPANSION OF ACADEMIC AND DORMITORY BUILDING</div>				<div>OWNER:</div> <div></div> <div>PHILIPPINE SCIENCE HIGH SCHOOL MAIN CAMPUS</div>				<div>APPROVED BY:</div> <div>VIRGINIA P. ANDRES</div> <div>SDO DIRECTOR III</div>				<div>SHEET CONTENTS:</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>				<div>REVISION:</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>				<div>PROJECT NO.:</div> <div>17-05 17-07</div>				<div>SHEET NO.:</div> <div>EC-1</div>							
<div>REG. NO. 6844</div> <div>FIN 129-343-871</div>				<div>PR NO. 3865572</div> <div>DATE: 01/10/17 CC</div>				<div>REG. NO. 0072</div> <div>FIN 197374-192</div>				<div>PR NO. 197374-192</div> <div>DATE: 01/09/17 NMD</div>				<div>LOCATION:</div> <div>Agham Road, Diliman, Quezon City</div>												<div>DESIGNED BY:</div> <div>DA</div>				<div>CAD:</div> <div>-</div>				<div>CHECKED BY:</div> <div>RCM</div>				<div>DATE:</div> <div>SEPTEMBER 2017</div>			



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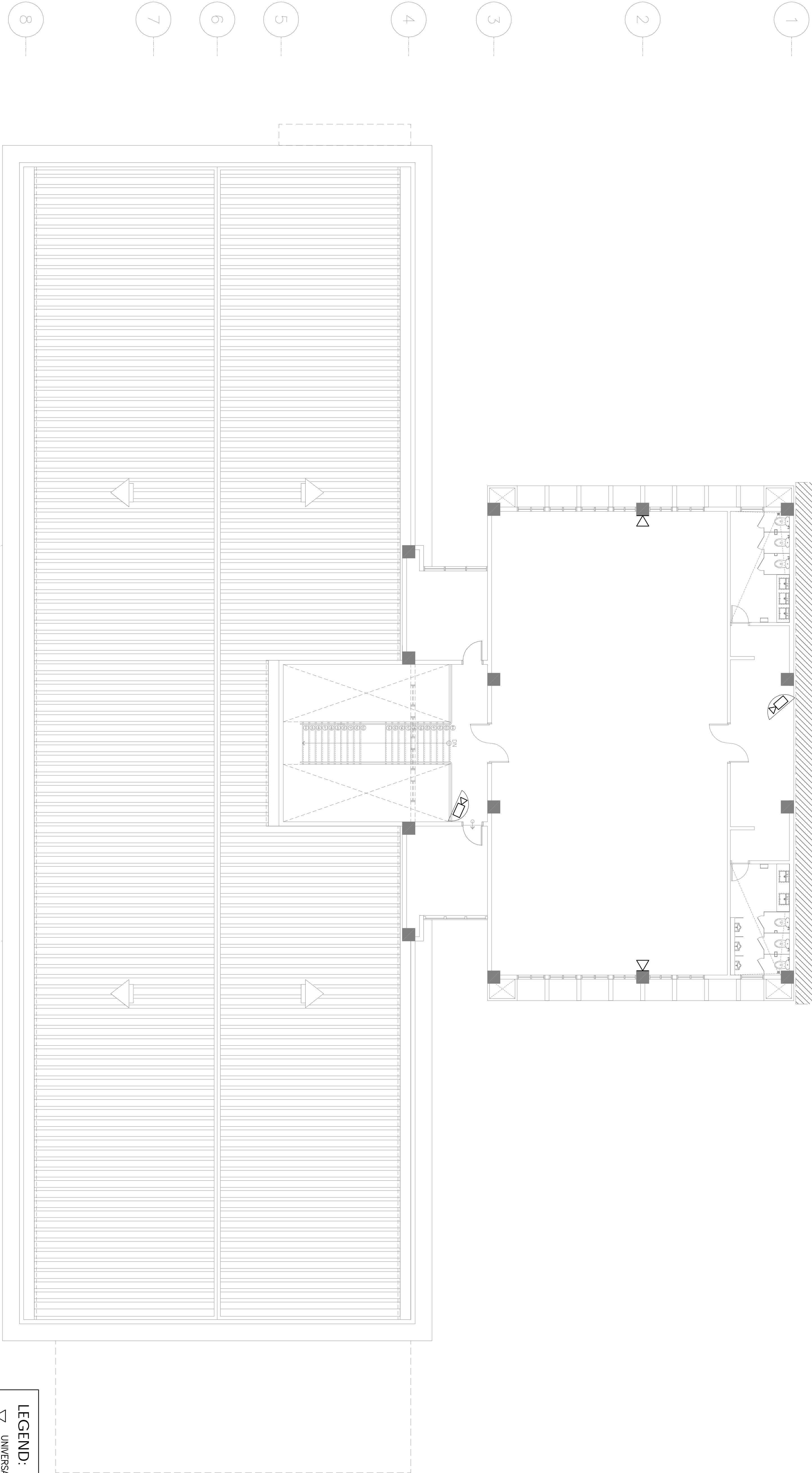


1
2
ADMIN. & EXPANSION BUILDINGS SECOND FLOOR
DATA, TEL. & CCTV LAYOUT
1:125M
SCALE

LEGEND:

- UNIVERSAL INFORMATION OUTLET, SINGLE PORT (DATA) WALL MOUNTED
- UNIVERSAL INFORMATION OUTLET, SINGLE PORT (VOICE) WALL MOUNTED
- CEILING MOUNTED CCTV CAMERA

CONSULTANT:	PRINCIPAL ARCHITECT:	PROF. ELECTRONICS ENGR.:	PROJECT TITLE:	OWNER:	APPROVED BY:	SHEET CONTENTS:	REVISION:	PROJECT NO.:	SHEET NO.:	
<div> ARCE•BALON•ARCE ARCHITECTS•ENGINEERS•CONSULTANTS 14 SCOUT BORROMEO STREET, SOUTH TRINANGE, QUEZON CITY TRUNKLINE : 3552233 FAX NO. : 3551980 www.arcebaldonarce.com</div>	MARIANO S. ARCE, JR., fdaap	RAYMOND C. MEDINA <small>ACT. ELEC. ADMIN</small>	CONSTRUCTION OF THE ADMINISTRATIVE BUILDING AND REHABILITATION/EXPANSION OF ACADEMIC AND DORMITORY BUILDING	<div> PHILIPPINE SCIENCE HIGH SCHOOL MAIN CAMPUS</div>	VIRGINIA P. ANDRES <small>S.D</small> DIRECTOR III			17-05	EC-2	
								17-07		
REG. NO. 6844 PR. NO. 3846572 REG. NO. 0072 PR. NO. 2553039			LOCATION:				DESIGNED BY: DA	CAD.	CHECKED BY: RCM	DATE: SEPTEMBER 2017
TIN 129-243-871 DATE: 07/10/17 CC			Agham Road, Diliman, Quezon City							




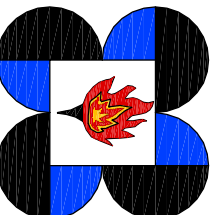
ADMIN. & EXPANSION BUILDINGS FOURTH FLOOR
DATA, TEL. & CCTV LAYOUT
1:125M

LEGEND:

UNIVERSAL INFORMATION OUTLET,
SINGLE PORT (DATA) WALL MOUNTED

UNIVERSAL INFORMATION OUTLET,
SINGLE PORT (VOICE) WALL MOUNTED

CEILING MOUNTED CCTV CAMERA

CONSULTANT:	PRINCIPAL ARCHITECT:	PROF. ELECTRONICS ENGR.:	PROJECT TITLE:	OWNER:	APPROVED BY:	SHEET CONTENTS:	REVISION:	PROJECT NO.:	SHEET NO.:
<div>ARCE•BALON•ARCE ARCHITECTS•ENGINEERS•CONSULTANTS 14 SCOUT BORROMEO STREET, SOUTH TRANGLE, QUEZON CITY. TEL: 352223 FAX NO. 3551080 www.arcebailonarce.com</div>	MARIANO S. ARCE, JR., fdaap	RAYMOND C. MEDINA <small>ACT'G. P.R.C. ADMIN.</small>	CONSTRUCTION OF THE ADMINISTRATIVE BUILDING AND REHABILITATION/EXPANSION OF ACADEMIC AND DORMITORY BUILDING	<div>PHILIPPINE SCIENCE HIGH SCHOOL MAIN CAMPUS</div>	VIRGINIA P. ANDRES <small>SCD DIRECTOR III</small>			17-05 17-07	EC-4 SEPTEMBER 2017
REG. NO. 129343871 PIN 6844 PRE NO. 3846672 DATE: 07/10/17 OC	REG. NO. 1977741792 DATE: 01/09/17 WND	REG. NO. 0072 DATE: 01/09/17 WND	LOCATION: Adham Road, Diliman, Quezon City				DESIGNED BY: DA	CAD: -	CHECKED BY: RCM