	steps and a maximum input gain of 60dB
Professional Stereo Digital Power Amplifier	• Dual channels professional stereo power amplifier • Dual channel, mono and BTL bridge three output options • Individual volume control for each channel • With XLR signal output interface, flexible and convenient to use
Coaxial Ceiling Speaker	• Rated impedance 8Ω, rated power 40W • Max. SPL.: 107±2dB, effective frequency range: 50Hz-20kHz • With coaxial structure for two units, with clear sound and high sensitivity (91±2dB) • 3.65kg in weight
8 Channel Power Supply Sequency Controller	• 8 channels individual big power output • Universal socket, can meet the needs of various types of plug • Total Max current 16A, each channel Max current 10A
19" Audio Racks with Door and Fan	• 19" standard design, comply with international standards • Built-in 2-6 plates, convenient for use • Excellent cooling design, with 2 electric cooling fans • Tempered explosion proof glass, safe and reliable • Equipped with 19" power electric outlets, well grounded • Rear door and side-door openable for convenient checking • Easy assembly and convenient for moving • Interior Space: 30U • Dimension: 1600 x 600 x 600mm

Accessories listed below must also be provided by the supplier:

- Strong type antenna coaxial wiring (25 meters)
- XLR audio cable (3 x 15m)
- XLR female (4 x 6.35mm)
- XLR male (2 x 6.35mm)

	• Mic network extender (1000 meters) • RCA connector (6 x 6.35mm) • XLR female & male (30 pcs)	
	Compliance with the PLANS/DRAWINGS attached to the Terms of Reference.	
	REQUIREMENTS FOR THE BIDDERS: 1. The bidder must be in the business for at least five (5) years. 2. The bidder must submit a Manufacturer's Authorization Certificate as part of the technical proposal, authorizing the bidder to supply and install the PA and Wireless Conference Microphone Systems (if bidder is not the manufacturer). 3. The winning bidder shall be responsible for integrating the Public Address System (PA) System with the existing PPA systems, including the Fire Detection and Alarm System, Fire Sprinkler System and Seismic Accelerograph System to ensure seamless interoperability and functionality.	
	OTHER TERMS AND CONDITIONS 1. **Warranty**. Each unit shall be free from any defects in materials and workmanship. The warranty shall be at least one (1) year from the date of the issuance of the Certificate of Completion and Acceptance. During this period, winning bidder shall bear all costs related to any repairs and / or replacement or parts of the equipment. Certification must be submitted as part of the technical proposal. 2. **Spare Parts.** The bidder shall warrant the availability of spare parts for a period of at least five (5) years from the purchase of the subject units. Certification must be submitted as part of the technical proposal. 3. **After-Sales Services.** The bidder shall provide for technical support, either through phone or on-site visits, if necessary. If the PA and Wireless Conference Microphone Systems are malfunctioning and inoperable despite the phone supported troubleshooting, the winning bidder shall provide maintenance service to the site within seventy-two (72) hours after notification at no cost to PPA. 4. **Training/Orientation.** Training/orientation on the use and maintenance of the equipment shall be conducted by the bidder for at least five (5) designated PPA personnel immediately after installation, with a minimum duration of	

	forty (40) hours, covering both theoretical instruction and hands-on practical sessions, at no cost to PPA. 5. **Equipment Manual.** One set of equipment manual shall be included for each unit of equipment delivered. 6. **Testing.** Testing shall be conducted during commissioning to ensure that all equipment and components of the PA System and Wireless Conference Microphone System are fully operational and compliant with the technical specifications. The test shall include the following: a. Functionality Test – verification of proper operation of all microphones, speakers, amplifiers and control units. b. Coverage Test – assessment of audio clarity, volume and distribution across designated areas. c. Reliability/Endurance Test – continuous operation for 4-8 hours to confirm system stability. d. Wireless Performance Test – checking range, signal strength and absence of interference for the wireless conference microphones. e. Broadcast Test – simulation of system announcements to confirm the capability of the PA System to deliver clear and audible messages across all designated areas.	
	All other provisions stated in the Terms of Reference not included herein.	

TERMS OF REFERENCE

SUPPLY, DELIVERY AND INSTALLATION OF COMMUNICATIONS SYSTEMS FOR PPA HEAD OFFICE (ASD-009-2025)

The procurement of Communications Systems, which includes a Public Address (PA) System and a Wireless Conference Microphone System, for the PPA Head Office aims to enhance communication efficiency, safety, and operational coordination within the premises. A reliable PA System is essential for disseminating important announcements, emergency alerts, and operational directives, ensuring the smooth flow of day-to-day activities and the safety of personnel, stakeholders, and the general public. Additionally, the Wireless Conference Microphone System will improve the quality and effectiveness of meetings, conferences, and official discussions by enabling clear, seamless, and hands-free communication.

I. SCOPE OF SERVICES

The PA System and Wireless Conference Microphone System shall be supplied, delivered and installed following the 2 stages of the contract.

The contract shall be divided into two (2) stages:

a. Delivery and inspection of the PA System and Wireless Conference Microphone System will be done at the supplier's warehouse by PPA Head Office representatives.

b. Delivery, Installation, Testing and Commissioning of the PA System and Wireless Conference Microphone System to PPA Head Office.

The deployment list of the equipment and components is attached hereto as Annex "A".

II. PROJECT DURATION

The duration of the project shall be one hundred twenty (120) calendar days from receipt of Notice to Proceed.

III. APPROVED BUDGET FOR THE CONTRACT (ABC)

The Approved Budget for the contract is **FORTY MILLION PESOS** (Php 40,000,000.00).

IV. TECHNICAL SPECIFICATIONS

A. IP NETWORK SERVER

- Can support Internet and telecommunications network integration, and HD voice conversation between fixed-line/mobile numbers and IP network terminals; provide low-latency broadcast, intercom, conference, recording, monitoring and other functions in WAN environment.
- Can support seamless bridge with well-known Voice over Internet Protocol (VOIP) servers to realize the interaction of voice, video and text information between multiple systems.
- Support linkage with mainstream cameras.
- Can log in the system through any PC or mobile platform browser.
- With background broadcast, emergency broadcast, voice intercom, video intercom, monitoring and video monitoring functions.
- Support custom grouping operations on all zones, for broadcast and volume adjustment.
- Can display group information, zone status (switch/volume/real-time program name), program list, and timing point information.
- Support broadcast program operations for one or more groups/zones.
- Can create multiple timing schemes with multiple timing points, and support timing schemes backup storage and direct import/export, as well as add/modify/delete timing points and send them to a designated zone.
- Quick upgrade and maintenance (support cloud upgrade, remote upgrade, and local upgrade).

CPU	Intel® Core™ I5 4430 3.0GHz
RAM	4G/DDR3
Hard Disk	120G SSD
Display Screen	17.3"x1920x1080, resistive touch screen
Video Interface	VGA
USB	Front: USB x 2 Rear: USB x 4
Protocols	TCP/IP, UDP, ICMP, IGMP (Multicast)
Network	RTL8111F Gigabit network card chip, support WOL/PXE
Power Input	ATX power supply (AC180-240V~ /47-63Hz/7/3.5A)
Environment	-10°C~50°C, ≤90%RH (No condensation)
Package Size (HxWxD)	470x535x365mm

Product Size (HxWxD)	308x483x340mm
Gross Weight	23.4kg
Net weight	13.4kg

B. NETWORK FIRE COLLECTOR

- Support 32 fire alarm signal access, support short circuit and 5V-24V signal.
- 32-way independent control, support adjacent zone alarm.
- Can customize the alarm to play the sound through the management software.
- Can have multiple devices connected to the network; control area can be extended.

Channel	32
Way of Display	LED
Support Agreement	TCP/IP, UDP, ICMP, IGMP (Multicast)
Activate Neighbor	Multiple, Programmable
Trigger Signal Level	5V-24V
Protection	AC fuse x 1
Input Mode	Short circuit, 5V~24V
Power Input	~100V-240V 50Hz/60Hz
Network	RJ45 (10/100M)
Size (HxWxD)	44x430x213mm
Product Weight	2.3kg

C. PAGING STATION

- 10.1 inch TFT true color LCD display and capacitive touch screen, support five-point touch
- With single selection, multiple selection, and one-click all selection.
- Multi-function operation such as intercom, broadcast, monitor, supervise, and music can be performed on zones, multiple zones.
- Only the zones of interest can be displayed as needed.
- Can view the status information of the zone
- Support terminal call reminder, custom ring tone.
- Network interface that supports POE power supply.
- With multi-level indication function, the paging sound pressure is more intuitive.
- The screen backlight illumination time and brightness are adjustable to achieve energy-saving operation.
- Has user password and rights management.

Line Output	Output amplitude	1.0±0.1V

	Frequency Response	350Hz-16kHz
	Distortion	≤1%
	SNR	≥71dB
	Channel	Mono
MIC In	Input Sensitivity	60-110mV±5Mv
	Frequency Response	350Hz~3KHz
	Dynamic Range	≥12dB
Amplifier Output	Power	1W
	Frequency Response	350Hz~10KHz
	Distortion	≤1%
	SNR	≥71dB
Network Protocol	TCP/IP, UDP, IGMP, RTP, SIP	
PoE Power Supply	IEEE 802.3af	
Interface	Internet Interface	RJ45 (10/100M)
	Audio Output Interface	3.5mm headphone socket
Other Specifications	Input Power	12VDC/2.5A
	Working Temperature	-20 - +50°C
	Dimensions (HxWxD) (mm)	114x330x150
	Package Size	165x370x230
	Net Weight	1.7kg
	Gross Weight	3kg

D. 2 CHANNEL NETWORK AUDIO COLLECTOR

- Built-in independent control module, sound source real-time acquisition
- Each module can run simultaneously
- The name of each audio source input can be customized by management software
- 10/100M adaptive, support DHCP/IP settings

Frequency Response	20Hz – 20kHz
Protocols	TCP/IP, UDP, ICMP, IGMP (Group Broadcast)
Audio Mode	16 CD Sound Quality
SNR	>85dB
Input Sensitivity	1.0V
Power Input	~100-240V/50-60Hz
Network	RJ45 (10/100M)
Package Size	105x280x540mm

Product Size	44x430x213mm
Gross Weight	2.9kg
Net Weight	1.8kg

E. 8 CHANNELS SEQUENCE CONTROLLER

- Independent 8-channel high power output, universal socket which supports multiple three-pole power socket, such as Chinese Standard Socket, American Standard Socket and European Standard Socket
- Maximal output of single channel is 10A, and total input current capacity is 10A
- On/off status of eight channels could be controlled and displayed on the front panel. On/off of all channels could be realized through the panel one-click switch

Power Output	8 channels, universal socket
Single-channel Maximum Load	10A
Control Manner	Manual sequential startup, external short-circuit signal triggered startup
Power Capacity	Total 110-240V, 10A
Input Power	AC110-240V/50Hz
Sequence Interval	About 0.5s
Package Size (LxWxH) (mm)	534x350x110
Machine Size (LxWxH) (mm)	484x225x44
Net Weight	4.4kg
Gross Weight	5kg

F. MEDIA PLAYER WITH CD/USB/FM/BLUETOOTH

- Full light touch button control, LCD display with high brightness and clear screen
- With MP3 player, built-in USB interface, SD slot, CD disc tray;
- High-end CD suction movement;
- Bluetooth function
- CD/MP3/MP4/VCD/DVD playback function
- Built-in radio function, digital radio module with high sensitivity
- With automatic search radio and storage function, AM/FM radio can store 40 stations respectively
- The radio has a power-off memory function, which can start to work automatically after powered on
- One-way Bluetooth output, one-way radio signal output, and one-way CD/MP3 audio output

- One-way alternative output of Bluetooth, radio signal or CD/MP3 audios
- Support remote control via the IR remote controller.

Laser Player	Maximum Output Voltage 1KHz – 10dB Signal	1000±100mV
	Frequency Response Range	20-19KHz(±1dB)
	THD	≤0.3%
	Noise	≤0.02mv
USB	Maximum Output Voltage	1000±100mV
	Frequency Response Range	20-19KZHz(±1dB)
	THD	≤0.3%
	Noise	≤0.02mv
SD	Maximum Output Voltage	1000±100mV
	Frequency Response Range	20-19KHz(±1dB)
	THD	≤0.3%
	Noise	≤0.02mv
Bluetooth	Maximum Output Voltage 1KHz – 10dB	1000±100mV
	Frequency Response Range	20-19KHz(±2dB)
	THD	≤0.3%
	Noise	≤0.06mV
	Distance	Best within 10m
Radio Function (FM/AM)	Maximum Output Voltage	1200±100mV
	Amplitude Limiting Sensitivity	-80dB
	Frequency Response Range	40-10KHz(±3dB)
	Distortion	≤0.2%
	SNR	≥60dB
	Store/Memory Function	40 pcs
Protection	AC Fuse	
Power Supply	AC110-120V/60Hz/35W AC220-240V/50Hz/35W	
Outer Packing Dimension (mm)	(LxWxH) 534x350x110	

Machine Dimension (mm)	(LxWxH) 483x210x44
Gross Weight	4.4kg
Net Weight	3.65kg

G. 24 PORT GIGABIT SWITCH

- 24 10/100/1000M adaptive RJ45 ports
- All ports have line-speed forwarding capabilities
- Support port auto-flip (Auto MDI/MDIX) function
- Support switching the switch working mode by toggle switch
- Plug and play, rack-mountable

Network Standards	IEEE 802.3, EEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x
Port	24 10/100/1000Mbps RJ45 ports
Indicator Light	Each port has 1 Link/Ack, Speed Indicator Light Each device has 1 Power Indicator Light
Performance	Store and forward Support 8K MAC address table depth
Usage Environment	Operating temperature: 0°C~40°C Storage temperature: -40°C~70°C Operating humidity: 10%~90%RH, non-condensing Storage humidity: 5%~90%RH, non-condensing
Input Power	100-240V~50/60Hz
Dimensions (LxWxH)	440mm x 180mm x44mm
Three-mode Switching	Standard Switching, VLAN isolation, network cloning

H. 19" AUDIO RACKS WITH DOOR AND FAN

- 19" standard design, comply with international standards
- Built-in 2-6 plates, convenient for use
- Excellent cooling design, with 2 electric cooling fans
- Tempered explosion proof glass, safe and reliable
- Equipped with 19" power electric outlets, well grounded
- Rear door and side-door openable for convenient checking
- Easy assembly and convenient for moving

Interior Space	30U	20U
Dimension	1600x600x600mm	1200x600x600mm

I. CEILING SPEAKER

- 6.5 inch Frameless
- Aluminum Grille

RMS Power	6W
Power Input	70V/100V
Driver Unit	6.5 inch
Max. SPL	97±2dB
Sensitivity	90±2dB
Frequency Response	110Hz – 15kHz
Installation	Spring Clip
Dimension	Ø165-170mm
Net Weight	0.6kg

J. OUTDOOR COLUMN SPEAKER (80W, 160W)

- The products have gotten waterproof certificate and other certificates and are suitable for outdoor use
- The net cover is made of aluminum and would not rot
- The speaker is the construction of dual-crossover and the frequency response is wide.

Driver Unit	8"x2, 1.4"x1	8"x4, 1.4"x1
Rated Power	80W	160W
Sensitivity (1m, 1W)	92dB	94dB
Frequency Response	80Hz-16kHz	80Hz-16kHz
Max. SPL (1m)	111dB	116dB
Dimension (LxWxH)	230x250x665mm	230x250x1320mm
Weight	13kg	23kg

K. IP NETWORK CEILING SPEAKER

- 10/100M self-adaptation, support DHCP/static IP.
- Support standard SIP protocol.
- Support audio format: MP3, WAV, etc.
- Can play the background music, emergency paging and alarm signal from the system host.
- 6.5" full-range unit, with magnetic circuit.
- Strong movable clamp design, durable and reliable, easy to install.

Amplifier Output	Rated Power (RMS)	10W 8Ω

	SNR	≥71dB
	Distortion	≤1%
Speaker	Speaker Unit	6.5"
	Sensitivity	92dB±2dB
	Max. SPL	100dB±2dB
	Frequency Response	200Hz-10Khz
	Distortion	≤3%
Power Supply	Voltage	PoE+(IEEE 802.3at) / DC16V 2.5A (backup)
Dimension	Dia. x H (mm)	Φ190x105mm
Weight	Net Weight (kg)	1.0kg

L. IP VOLUME CONTROLLER

- Can display the volume level and playlist of the controlled device through the LCD display screen
- 10/100M self-adaptive, support DHCP/static IP
- Can bind zone on the server interface
- Can set the time and password for screen lock
- Can control the volume of one or more devices
- Can play the songs on the server on demand
- Can push the songs on the local SD card to the specified zone for playback via Bluetooth
- Powered by PoE switch, with input voltage of +48V

Power Supply	Standard PoE power supply
Support Protocol	DHCP, UDP, ICMP, IGMP (multicast)
Network	10/100M
Bluetooth Input	BT5.0
Storage Interface	Micro SD Card
Package Dimensions	375x155x190mm
Product Dimensions	86x86x40mm
Gross Weight	0.3kg
Net weight	0.16kg

M. 16 PORT GIGABIT + OPTICAL PORTS/250W/POE SWITCH

- 16 10/100/1000Base-T RJ45 ports, 2 Gigabit SFP optical ports
- Supports remote management of the commercial cloud APP and Web
- Support intelligent start, abnormal alar and rapid troubleshooting
- Support three working modes: cloud management, VLAN isolation and standard exchange

1000 megabit RJ45 port	16
Gigabit SFP port	2
IEEE 802.3af/at PoE port	16
Maximum PoE power supply for the whole machine	250W
Maximum single port PoE power supply	30W
Input power supply	220VAC, 50Hz
Maximum power consumption of the machine	262W
Shell size	294*180*44mm
Service environment	Working temperature: 0°C~40°C Storage temperature: -40°C~70°C Working humidity: 10%~90%RH, no condensation Storage humidity: 5%~90%RH, no condensation
Cloud management function	Support rapid start Support equipment information reporting Support alarm push Support remote device configuration
Basic Network functions	Supports port aggregation, port monitoring, port isolation, and port traffic statistics Support 802.1QVLAN, MTUVLAN, port VLAN Support QoS, port out/entry speed limit, storm suppression Supports configuration of port flow control, duplex, on/off Supports DHCP snooping
MAC address capacity	8K

N. PREAMPLIFIER

- Multiple input/output ports: 5 microphone ports, 3 auxiliary ports, 2 priority ports, and 4 output ports.
- Independent volume control for each channel.
- Treble and bass tone control.
- Automatic mute (with override function).

Minimum Source Electromotive Force	MIC: ≤3.2mV±10%(1:ON); ≤50mV±10%(2:ON);

	≤100mV±10%(3:ON); ≤150mV±10%(2-3:ON); Aux: ≤300mV unbalanced EMC: ≤450mV
Output Level	0dBV
Frequency Response	Line: 30Hz-20KHz(±3dB)
THD	Aux: ≤0.1%(1KHz, rated normal operating conditions)
Signal-to-Noise Ratio	Aux input: ≥66dB
Tone Adjustment Range	Bass: ±10dB(100Hz) Treble: ±10dB(10kHz)
Protection	AC fuse
Power Supply	AC 220V/50Hz
Outer Packaging Dimensions (mm)	(L×W×H) 530×440×195
Machine Dimensions (mm)	(L×W×H) 484×365×88
Gross Weight	8kg
Net Weight	6.2kg

O. POWER AMPLIFIER (1000W)

- Rack mount amplifier in 3U height
- Isolated transformer for human safety operation
- Indications for power, signal, clip, protection and temp
- Reliable protection from overheat, overload, clip and short circuit
- XLR socket and 6.35mm jack for additional mixer or amplifier link

Rated power	1000W
Rated output voltage	70V/100V/4-16 ohm
Input sensitivity	0dBv
S/N Ratio	> 85dB
Damping Factor	200:1
Input CMRR	Greater than 90dB
THD into 4Ω/1kHz	<0.3%
Frequency response	80Hz ~15kHz (±3dB)
Power requirement	AC220~240V / 50~60Hz

P. NETWORK DECODER PLAYER

- Based on TCP/IP protocol networked multifunctional front player; it works across network segments.
- Support standard SIP.
- With background broadcasting, business broadcasting, emergency broadcasting and other functions.
- Built in independent IP control module and audio input module, independent decoding can be realized.

- Support energy saving mode.
- Support audio format: MP3, WAV.
- External audio input.
- It can be controlled and played by network broadcast management software.
- 1U design, small space and light weight.

AUX Input	1.0V
Line Out	1.0V
Network Interface	RJ45(10/100M)
Supported Protocols	DHCP, UDP, ICMP, IGMP (Multicast)
Power Input	~100-240V 50Hz/60Hz
Package Size (H×W×D)	105×280×540mm
Product Size (H×W×D)	44×430×213mm
Gross Weight	3.4kg
Net Weight	2.3kg

Q. STEREO IP NETWORK AMPLIFIER (60W, 120W, 250W)

- Based on TCP/IP protocol, a network public address digital amplifier, can work across network segment.
- Support SIP2.0 (RFC3261) and related RFC, integrating group communication functions.
- Support standard SIP protocol.
- Advanced protection circuit, with output short circuit protection, overload protection and overheating protection as well as alarm function.
- Built-in high-efficiency digital amplifier, 70V/100V constant voltage output, up to 90% efficiency.
- With background broadcast, business broadcast and emergency broadcast.
- Support parameters configuration in webpage mode.
- Support audio formats: MP3, WAV, etc.
- Can be controlled via the network broadcast management software.
- With log function, can be saved to the local and server automatically.
- 1-channel AUX input, 2-channel mono-channel output, easy to extend local other audio broadcasts and local power.
- EMC OUT 24V and SC override output interfaces for speaker volume controller.
- Clear signal display, 6 status LEDs for working status.
- 1U design, anodized aluminum alloy panel, beautiful and durable

RMS (70V)	30W	60W	122.5W
RMS (100V)	60W	120W	250W
Speaker Output	70V, 100V		
Input Sensitivity	0dBV		
SNR	≥71dB		

Frequency Response	80Hz-49kHz		
THD	≤1%		
Signal Indicator	"POWER", "PRO", "CLIP", "SIG", "70V", "NET"		
Network	RJ45 (10/100M)		
EMC OUT	SC (Relay short circuit output)		
24V Out	24VDC/0.5A		
Protocols	DHCP, UDP, ICMP, IGMP (multicast)		
AC Fuse	F1AL250V	F2AL250V	F4AL250V
Power Supply	AC220V50Hz		
Package Size (HxWxD)	110x525x435mm		
Product Size (HxWxD)	44x483x313mm		
Gross Weight	7kg	7kg	7.7kg
Product Weight	5.8kg	5.8kg	6.5kg

R. 4 CHANNELS WIRELESS MICROPHONE RECEIVER

- 4 channels true diversity microphone system, connect with 4 microphones
- Adopt IR frequency pairing
- With screen to display working status, like frequency, channel, squelch and electrical level
- Built-in digital amplifier, with low distortion, low noise and large dynamic range
- With volume control for each channel
- Working distance up to 200 meters

S. HAND-HELD MICROPHONE

- Wireless

T. 8 CHANNELS OUTDOOR ANTENNA SIGNAL AMPLIFICATION

- The effective operating frequency range is 400 MHz-950 MHz, with adjustable signal gain from +2dBm to +45 dBm.
- The system is broadly compatible with most UHF wireless microphone receivers on the market.
- The antenna is equipped with a high-efficiency strong filtering circuit that effectively filters and isolates unwanted interference signals outside the operating range.

High Frequency Signal Output	2 BNC inputs

Applicable Frequency Range	400~950MHz
Input Cutoff Point	+32dBm
Amplified Signal Output	8 BNC outputs + 2 BNC backup cascade outputs (8-CH) / 16 BNC outputs (16-CH)
RF Output Gain	+1.0dB±1dB
Output/Input Gain	+1.0dB±1dB
Output isolation	>18dB at 400~1000MHz
Output/Input Impedance	50Ω
Antenna Output Connector	BNC connector
Antenna Input Connector Power Supply	+8.0V DC / 200mA
Power Supply	12~15V DC
Current Consumption	Approximately 200mA/12V DC input

U. HAND-HELD DYNAMIC MICROPHONE

- Cardioid polar pattern
- Clear tone quality, without "pop" noise for the high sound
- Solid metal structure
- Stable and reliable quality

Element	Moving coil dynamic
Polar Pattern	Uni-directional
Frequency Response	40Hz-16kHz
Sensitivity	-52dB±3dB (0dB=1V/Pa at 1KHz)
Output Impedance	600Ω30% (at 1 kHz)
Cable Length	5 meters

V. MICROPHONE STAND

- Secure lock-tight pivot knob
- Strong and durable construction
- Stand height adjustable from 910 to 1530mm
- Height and length adjustable
- Suitable for stage, theater, rehearsal, recording studio

W. 120W NETWORK COLUMN SPEAKER

- High sensitivity and high dynamic range.
- Two-way frequency design.
- Strong bass and clear treble.

- Built-in digital amplifier, with low distortion, low noise and large dynamic range.
- With self-protection function, including temperature protection and short-circuit function.
- Can play background music, emergency paging and alarm signal from the system host.
- Compliance with EN 60529 IP65 waterproof and dustproof/IEC60068-2-52 corrosion resistance

Driver Unit	6.5"x4, 1"x1
Rated Power	120W
Sensitivity (1m, 1W)	98dB±2dB
Frequency Response	150Hz-20KHz
Dimension (LxWxH)	1115x260x265mm
Gross Weight	14.8kg

X. 16 PORT GIGABIT SWITCH

- 16 10/100/1000M adaptive RJ45 ports
- All ports have line-speed forwarding capabilities
- Support port auto-flip (Auto MDI/MDIX) function
- Support switching the switch working mode by toggle switch
- Plug and play, rack-mountable

Network Standards	IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x
Port	16 10/100/1000Mbps RJ45 ports
Indicator Light	Each port has 1 Link/Ack, Speed Indicator Light Each device has 1 Power Indicator Light
Performance	Store and forward Support 8K MAC address table depth
Usage Environment	Operating temperature: 0°C~40°C Storage temperature: -40°C~70°C Operating humidity: 10%~90%RH, non-condensing Storage humidity: 5%~90%RH, non-condensing
Input Power	100-240V~50/60Hz
Dimensions (LxWxH)	440mm x 180mm x44mm
Three-mode Switching	Standard Switching, VLAN isolation, network cloning

Y. WIRELESS CONFERENCE MICROPHONE SYSTEM

- **Digital Conference System**

Full Digital Conference System Host	• Distributed conferencing system, network protocol transmission (PCS stream) • Integrated with translation, discussion, sign in, vote, electronic nameplate • Support up to 4096 conference microphone • With 5 speech modes: FIFO, NORMAL, VOICE, Free, Apply, support up to 6 units at the same time
5G WiFi Conference (Chairman Microphone with Voting Function) Quantity: 3 units (1 unit each for Function Rooms A, B and C)	• Use 2.42 inch OLED screen, display voting results, volume, microphone status, power state and WiFi status • Built-in rechargeable lithium battery, battery capacity 10000mAh, continuous speaking for more than 8 hours • Low delay technology, minimum delay is less than 20 ms
5G WiFi Conference (Delegate Microphone with Voting Function) Quantity: 39 units (13 units each for Functions Rooms A, B and C)	• Use 2.42 inch OLED screen, display voting results, volume, microphone status, power state and WiFi status • Built-in rechargeable lithium battery, battery capacity 10000mAh, continuous speaking for more than 8 hours • Low delay technology, minimum delay is less than 20 ms
5G WiFi Wireless Router	• Adopt WPA/WPA2 digital encryption technology • Compliance with IEEE802.11ac Wave-2/A/B/g/N wireless standard • Multiple frequency point selection from UHF, 2.4GHz and 5GHz • With two RJ45 interfaces • External four-antenna design

	• Signal coverage in complex environment is radius of 25 meters, which can reach a radius of 30 meters normally • Maximum power consumption: 15W
5G WiFi Conference Microphone Charger	• Support fast charge, fast charge USB port output 9V, slow charge output 5V • Lithium battery of the microphone is 1000mAh, charge time is less than 3.5 hours • It can charge up to 10 pcs microphone at the same time • Maximum power consumption: 200W
HD Conference Camera	• 2.14 million pixels • Support H.265, H.264 network video encoding • Support full HD 1080P video output • 20x optical zoom, maximum wide angle 59.5° • Built-in 2.4G/5G dual-band WiFi

- **Video System**

Conference Interactive Flat Panel (3 units)	• 86" intelligent interactive flat panel with camera and array microphone • 48MP camera • 8 array microphones • 8 physical buttons on the front (standby, volume +/-, lock screen, touch lock, eye care, screen recording, screenshot) • Front multifunctional interface (USBx3: Android/PC sharing & Type-C & HDMI Input & Touch) • Wide voltage global standard mode • Supports various configuration customization options • Zero-bonding design improve writing experience

	• Original A grade panel, 4K resolution
Computer Module	• Front-mounted DP+HDMI 4K display interfaces, rear HDMI supports 4K30Hz • Hardware one-key recovery, Wake-on-LAN, scheduled power-on functionality • Supports Intel Core Series 4th generation notebook processors • Intelligent fan speed regulation • Onboard antenna enhances WIFI signal output
Mobile Trolley Stand	• Suitable for 86-inch LCD plasma screens • With load-bearing capacity range of 120kg/265lbs • Tray has load-bearing capacity range of 20kg/44lbs • Camera component has a load-bearing capacity range of 4.5kg/10lbs
Screen Sharing Device	• One-click effortless screen sharing, seamless multi-platform switching • Interoperability, touch feedback • Full platform coverage, seamless access • Transmission security to prevent leakage
8 Channel Digital Modular Seamless Matrix Switcher	• Support 8-channel signal inputs and outputs • Intelligent matrix system for audio and video signal switching, compatible with different audio signal input/output signal cards
HDMI Digital Input and Output Cards	• 4 Channels HDMI Digital Input Card • 4 Channels HDMI Digital Output Card

- **Audio System**

Wireless Microphone System (2 hand-held mic)	• 2 channels microphone system, connect with 2 microphones • PLL digital automatic communication function • Adopt IR frequency pairing • With screen to display working status, like frequency, channel, squelch and electrical level • With volume control for each channel
Network Decoder Player	• Based on TCP/IP protocol networked multifunctional front player; it works across network segments. • Support standard SIP. • With background broadcasting, business broadcasting, emergency broadcasting and other functions. • Built in independent IP control module and audio input module, independent decoding can be realized. • Support energy saving mode. • Support audio format: MP3, WAV. • External audio input. • It can be controlled and played by network broadcast management software. • 1U design, small space and light weight.
Mixing Console	• Support 12 channels XLR mono inputs and 4 channels stereo input • Each channel with 3 bands EQ adjustment, mute switch, PFL earphone switch • Support 1 channel feedback and 1 monitoring output • LED screen for status display
Automatic Feedback Suppressor	• 2 channels auto feedback suppressor • Built-in high-end high-speed floating point digital signal processor and adaptive feedback notch processing algorithm technology

	• XLR and RCA interfaces for audio inputs and outputs
4x8 Professional Audio Processor	• 24-bit/48kHz sampling frequency, high performance AD/DA converters, and a 40-bit floating-point DSP processor • Hi-precision input sensitivity adjustment with 21 levels, 3dB steps and a maximum input gain of 60dB
Professional Stereo Digital Power Amplifier	• Dual channels professional stereo power amplifier • Dual channel, mono and BTL bridge three output options • Individual volume control for each channel • With XLR signal output interface, flexible and convenient to use
Coaxial Ceiling Speaker	• Rated impedance 8Ω, rated power 40W • Max. SPL.: 107±2dB, effective frequency range: 50Hz-20kHz • With coaxial structure for two units, with clear sound and high sensitivity (91±2dB) • 3.65kg in weight
8 Channel Power Supply Sequency Controller	• 8 channels individual big power output • Universal socket, can meet the needs of various types of plug • Total Max current 16A, each channel Max current 10A
19" Audio Racks with Door and Fan	• 19" standard design, comply with international standards • Built-in 2-6 plates, convenient for use • Excellent cooling design, with 2 electric cooling fans • Tempered explosion proof glass, safe and reliable • Equipped with 19" power electric outlets, well grounded • Rear door and side-door openable for convenient checking

	• Easy assembly and convenient for moving • Interior Space: 30U • Dimension: 1600 x 600 x 600mm

Accessories listed below must also be provided by the supplier:

- Strong type antenna coaxial wiring (25 meters)
- XLR audio cable (3 x 15m)
- XLR female (4 x 6.35mm)
- XLR male (2 x 6.35mm)
- Mic network extender (1000 meters)
- RCA connector (6 x 6.35mm)
- XLR female & male (30 pcs)

V. PLANS/DRAWINGS (Attached)

VI. REQUIREMENTS FOR THE BIDDERS:

1. The bidder must be in the business for at least five (5) years.
2. Must have completed a single contract similar to the contract to be bid whose value must be at least equivalent to fifty percent (50%) of the ABC. For this purpose, a similar contract means contract which involves the installation of electrical and signal wiring for electronic communication, alarm or notification systems, such as but not limited to Public Address Systems, Fire Detection and Alarm Systems, Fire Sprinkler System and Seismic Accelerograph Systems.
3. The bidder must submit a Manufacturer's Authorization Certificate as part of the technical proposal, authorizing the bidder to supply and install the PA and Wireless Conference Microphone Systems (if bidder is not the manufacturer).
4. The winning bidder shall be responsible for integrating the Public Address System (PA) System with the existing PPA systems, including the Fire Detection and Alarm System, Fire Sprinkler System and Seismic Accelerograph System to ensure seamless interoperability and functionality.

VII. OTHER TERMS AND CONDITIONS

1. **Warranty**. Each unit shall be free from any defects in materials and workmanship. The warranty shall be at least one (1) year from the date of the issuance of the Certificate of Completion and Acceptance. During this period, winning bidder shall bear all costs related to any repairs and / or replacement or parts of the equipment. Certification must be submitted as part of the technical proposal.

2. **Spare Parts.** The bidder shall warrant the availability of spare parts for a period of at least five (5) years from the purchase of the subject units. Certification must be submitted as part of the technical proposal.

3. **After-Sales Services.** The bidder shall provide for technical support, either through phone or on-site visits, if necessary. If the PA and Wireless Conference Microphone Systems are malfunctioning and inoperable despite the phone supported troubleshooting, the winning bidder shall provide maintenance service to the site within seventy-two (72) hours after notification at no cost to PPA.

4. **Training/Orientation.** Training/orientation on the use and maintenance of the equipment shall be conducted by the bidder for at least five (5) designated PPA personnel immediately after installation, with a minimum duration of forty (40) hours, covering both theoretical instruction and hands-on practical sessions, at no cost to PPA.

5. **Equipment Manual.** One set of equipment manual shall be included for each unit of equipment delivered.

6. **Testing.** Testing shall be conducted during commissioning to ensure that all equipment and components of the PA System and Wireless Conference Microphone System are fully operational and compliant with the technical specifications. The test shall include the following:

    a. Functionality Test – verification of proper operation of all microphones, speakers, amplifiers and control units.
    b. Coverage Test – assessment of audio clarity, volume and distribution across designated areas.
    c. Reliability/Endurance Test – continuous operation for 4-8 hours to confirm system stability.
    d. Wireless Performance Test – checking range, signal strength and absence of interference for the wireless conference microphones.
    e. Broadcast Test – simulation of system announcements to confirm the capability of the PA System to deliver clear and audible messages across all designated areas.

VIII. PAYMENT

1. Payment of 35% of the contract price shall be made after Delivery and Inspection of at least 50% of the equipment and components of the PA and Wireless Conference Microphone Systems.

2. Payment of 35% of the contract price shall be made upon Delivery and Inspection of the remaining equipment and components of the PA and Wireless Conference Microphone Systems.

3. Payment of the remaining 30% of the contract price shall be made after Installation, Testing and Commissioning of the PA and Wireless Conference Microphone Systems. Final billing shall only be processed upon the issuance of the Certificate of Completion and Acceptance.

4. An inspection and acceptance report must be duly accomplished by the procuring entity for payment purposes.

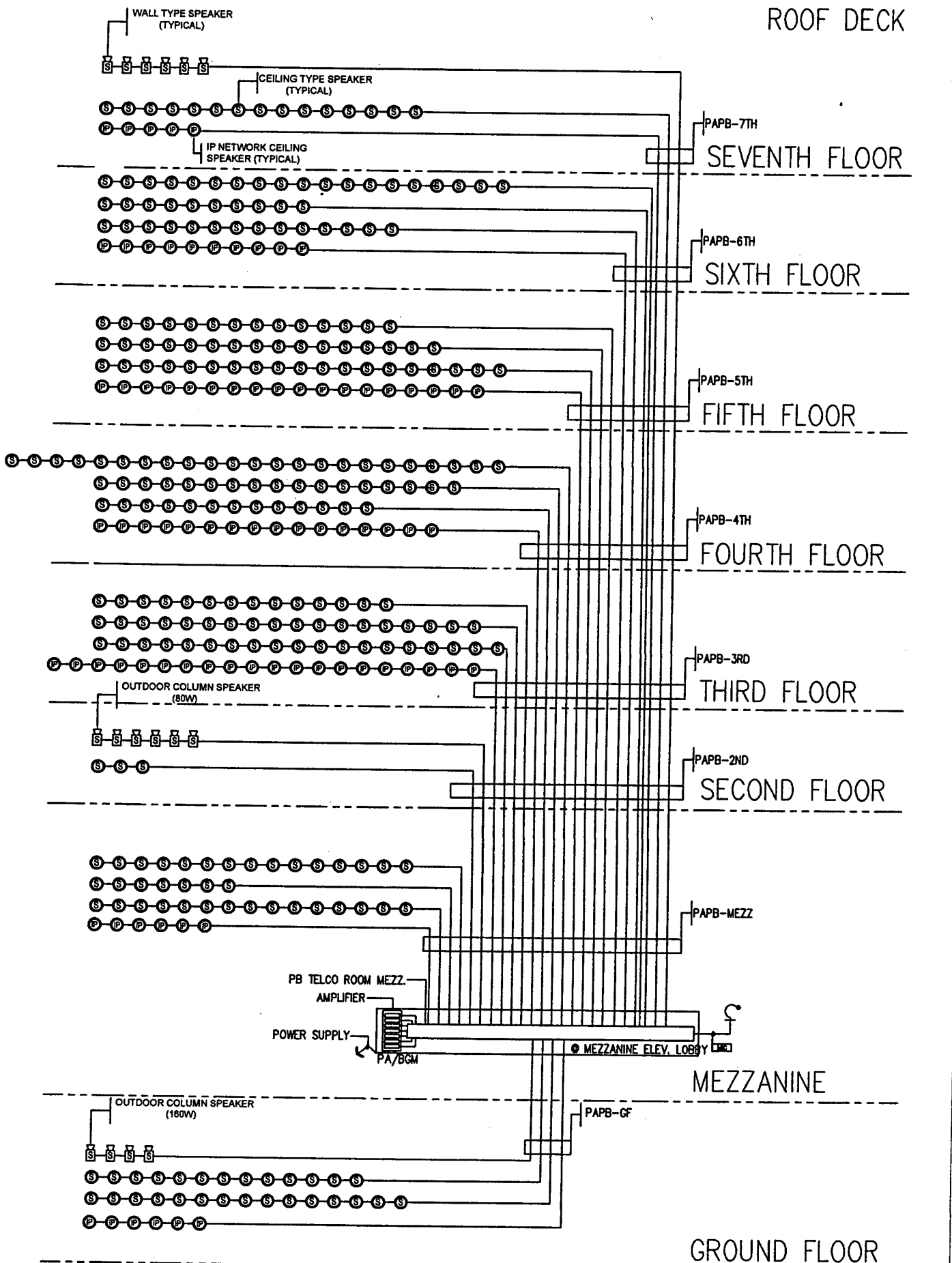
JANET P. CAYONA
Acting Manager
Administrative Services Department

ANNEX "A"

LIST OF EQUIPMENT AND COMPONENTS

	ASD	Floors								3 Function Rooms	TOTAL
		Ground	Mezzanine	Second	Third	Fourth	Fifth	Sixth	Seventh		
PA SYSTEM											**542**
IP Network Server	1										1
Network Fire Collector	1										1
Paging Station	1										1
2 Channel Network Audio Collector	1										1
8 Channels Sequence Controller	1	2	1	1	1	1	1	1	1		10
Media player with CD/USB/FM/Bluetooth	1										1
24 Port Gigabit Switch	1										1
19" Audio Racks with Door and Fan (30U)	1	1									2
19" Audio Racks with Door and Fan (20U)			1	1	1	1	1	1	1		7
Ceiling Speaker		28	37	3	51	53	49	44	15		280
Outdoor Column Speaker (160W)		4									4
IP Network Ceiling speaker		6	6		20	16	18	10	5		81
IP Volume Controller		7	6		20	16	18	10	6		83
16 Port Gigabit + optical ports/250W/POE switch		2	2		3	3	3	2	1		16
Preamplifier		1		1							2
1000W Power Amplifier		1		1							2
Network Decoder Player		1		1							2
250W Stereo IP Network Amplifier		1	2		2	1	2	1			9
120W Stereo IP Network Amplifier		1	1		1	2	1	2	1		9
4 Channels Wireless Microphone System Receiver		1									1
Hand-held microphone		3									3
8 Channels Outdoor Antenna Signal Amplification		1									1
Strong type antenna coaxial wiring 25 meters		2									2
Hand-held Dynamic Microphone		2									2
Microphone Stand		3									3
Outdoor Column Speaker (80W)				7							7
60W Stereo IP Network Amplifier				1					1		2
120W Network column speaker (White)									6		6
16 Port gigabit switch				1					1		2
WIRELESS CONFERENCE MICROPHONE SYSTEM											**111**
Full Digital Conference System Host										3	3
5G WiFi Conference Chairman Microphone with Voting Function										3	3
5G WiFi Conference Delegate Microphone with Voting Function										39	39
5G WiFi Wireless Router										3	3
5G WiFi Conference Microphone Charger										3	3

	ASD	Floors								3 Function Rooms	TOTAL
		Ground	Mezzanine	Second	Third	Fourth	Fifth	Sixth	Seventh		
HD Conference Camera										3	3
Conference Interactive Flat Panel										3	3
Computer Module										3	3
Mobile Trolley Stand										3	3
Screen Sharing Device										3	3
8 Channel Digital Modular Seamless Matrix Switcher										3	3
4 Channels HDMI Digital Input Card										3	3
4 Channels HDMI Digital Output Card										3	3
Wireless Microphone System (2 hand-held mic)										3	3
Network Decoder Player										3	3
Mixing Console										3	3
Automatic Feedback Suppressor										3	3
4x8 Professional Audio Processor										3	3
Professional Stereo Digital Power Amplifier (8Ω ; 2x150W)										3	3
Coaxial Ceiling Speaker										12	12
8 Channel Power Supply Sequency Controller										3	3
19" Audio Racks with Door and Fan										3	3
											653



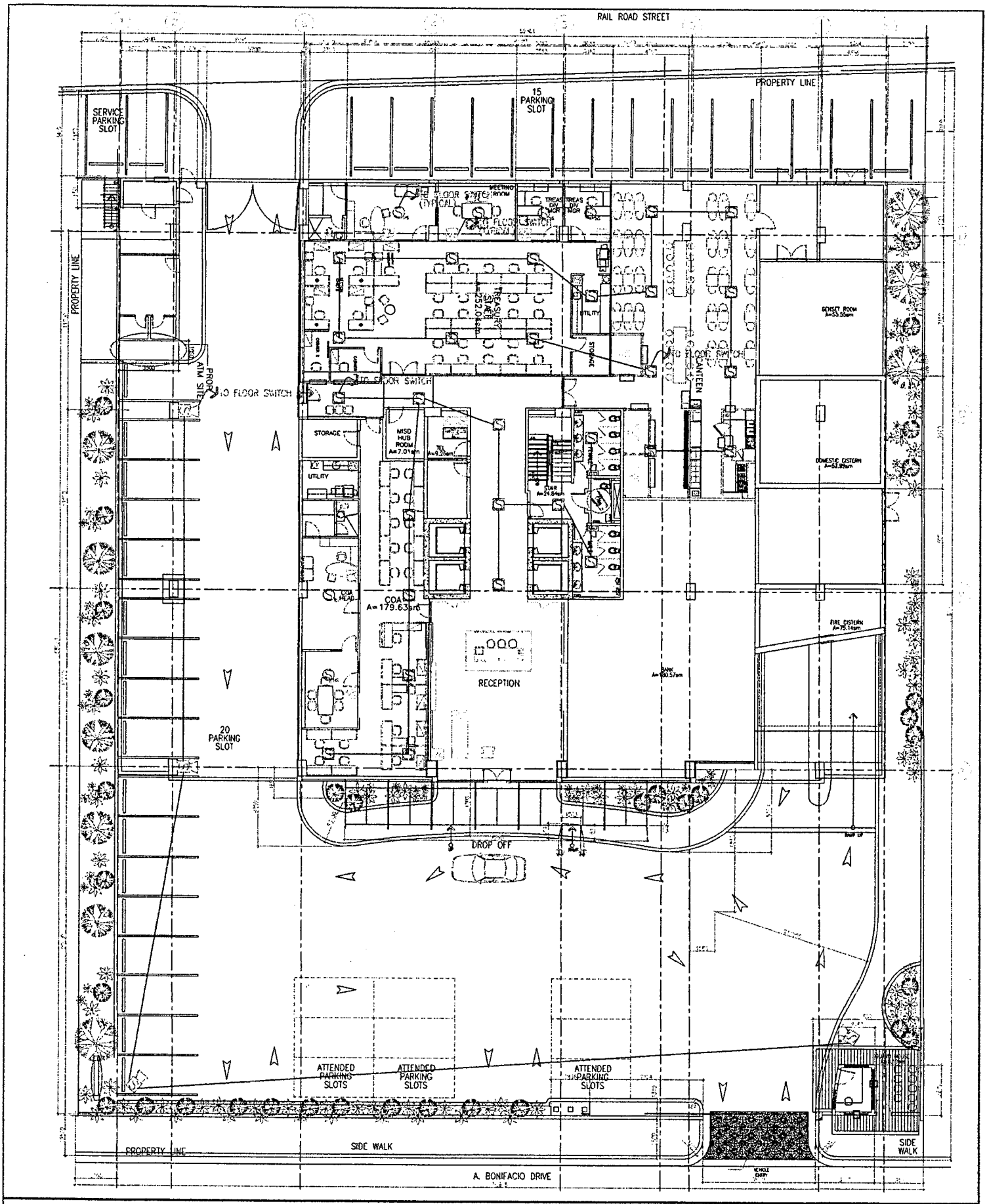
WIRING SCHEDULE

- 2 x 1.25mm2 TF WIRES IN 13mmØC FOR INTERIOR WIRING
- 2 x 1.25mm2 TF WIRES IN 13mmØC FOR EXTERIOR WIRING

APPROVED:

JANET P. CAYONA
ACTING MANAGER, ASD

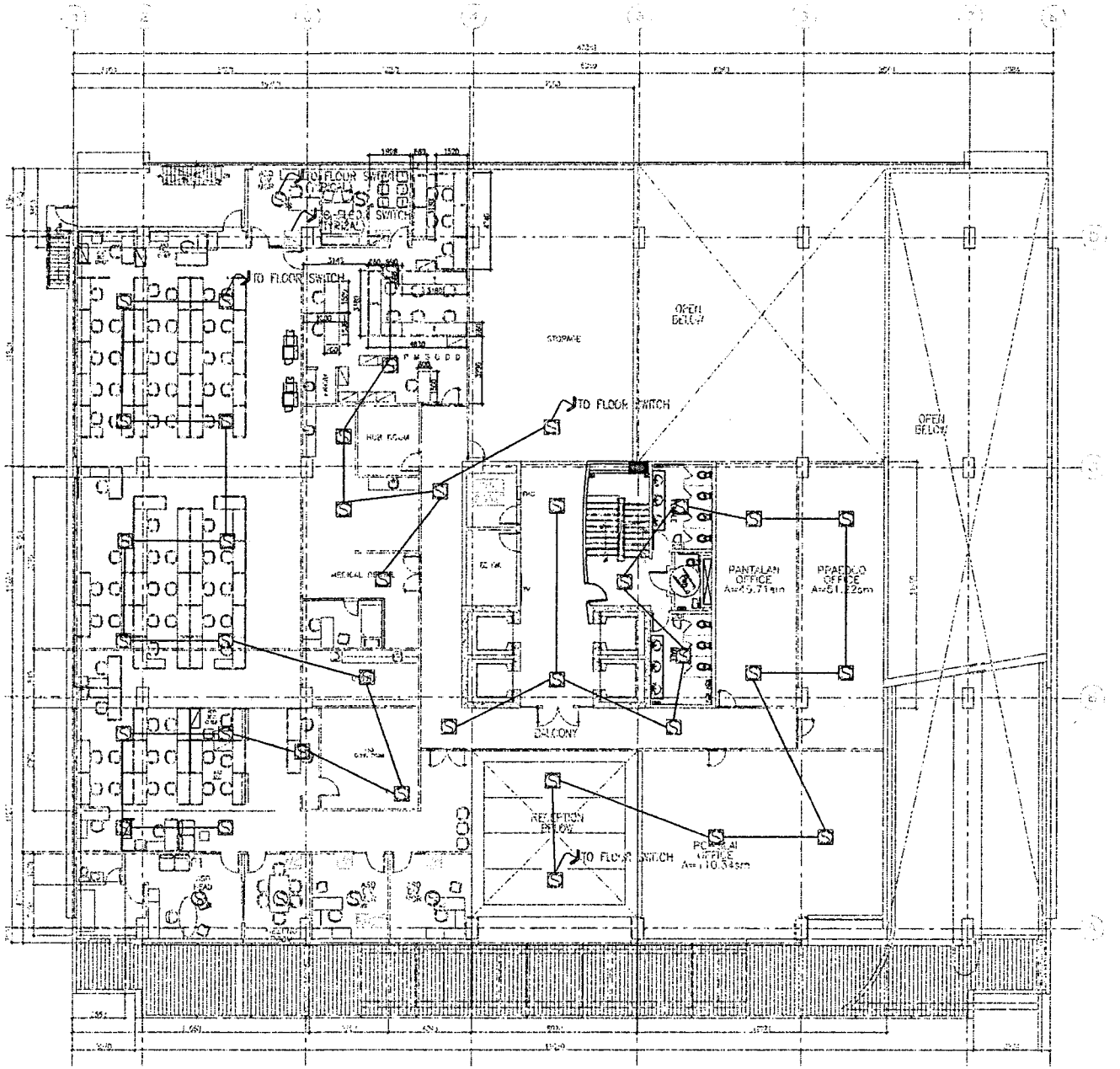
PUBLIC ADDRESS SYSTEM RISER DIAGRAM



GROUND FLOOR PUBLIC ADDRESS SYSTEM PLAN

APPROVED:

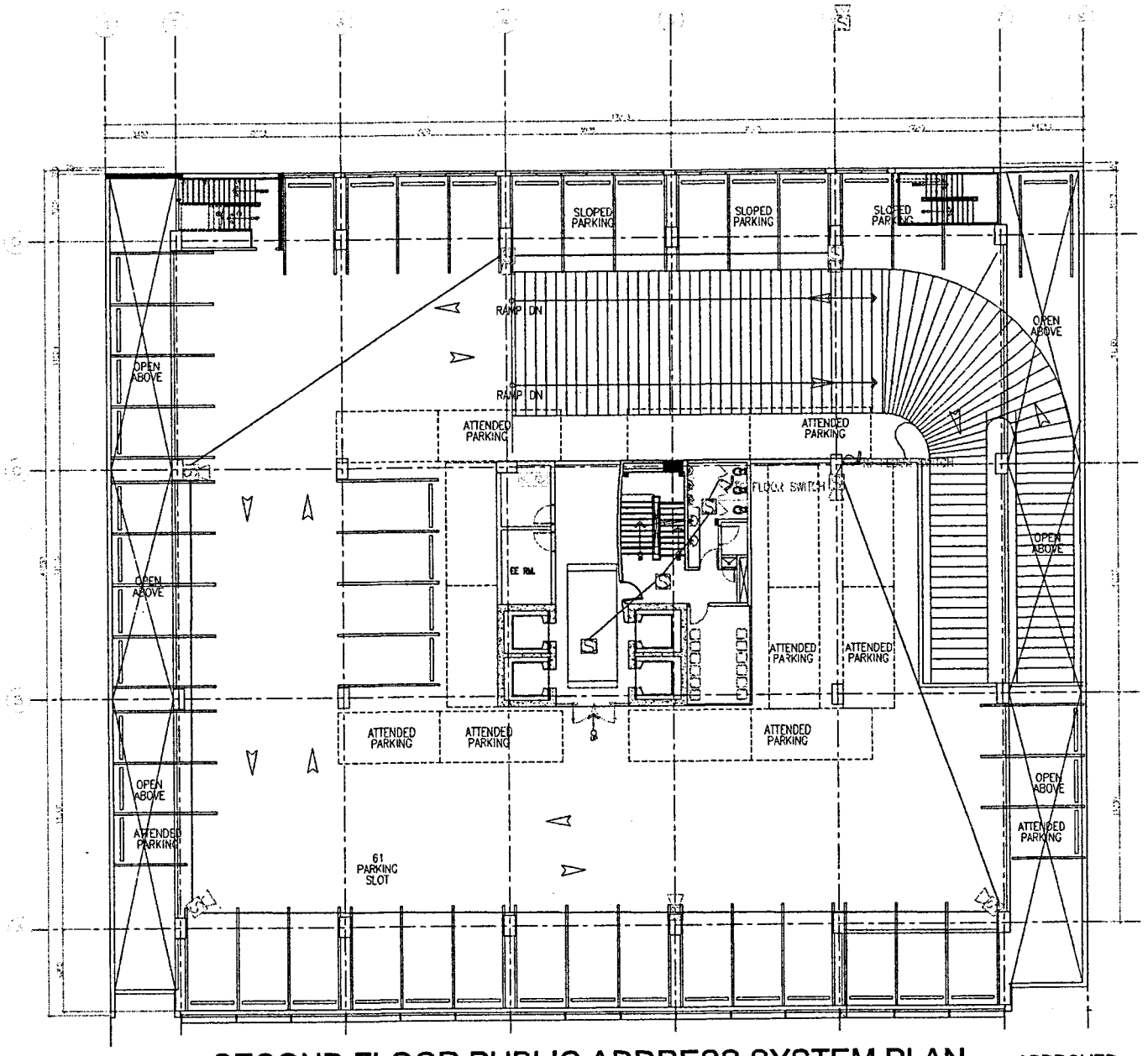
JANET P. CAYONA
Acting Manager, ASD



MEZZANINE FLOOR PUBLIC ADDRESS SYSTEM PLAN

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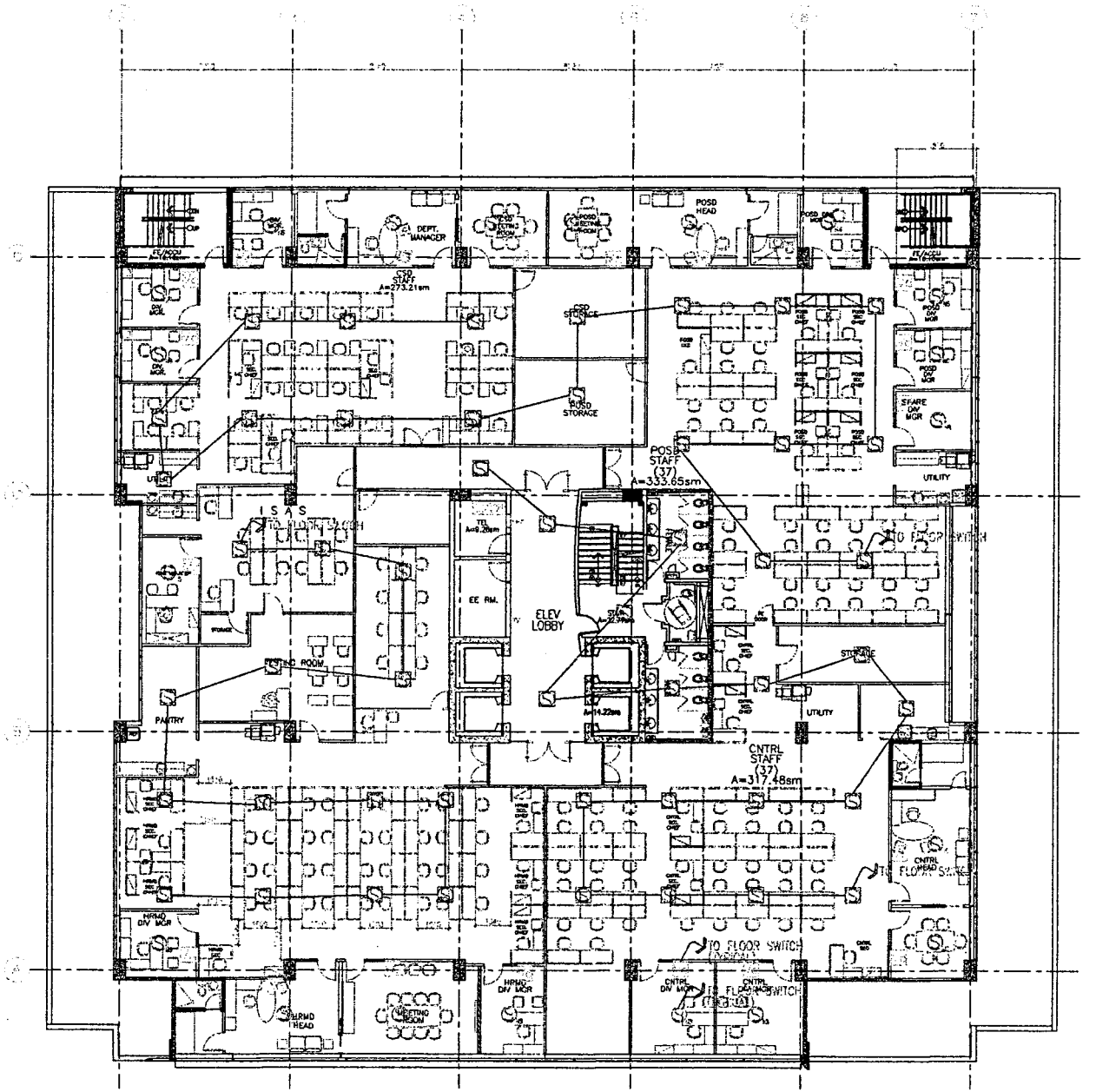
JANET P. CAYONA
Acting Manager, ASD



SECOND FLOOR PUBLIC ADDRESS SYSTEM PLAN

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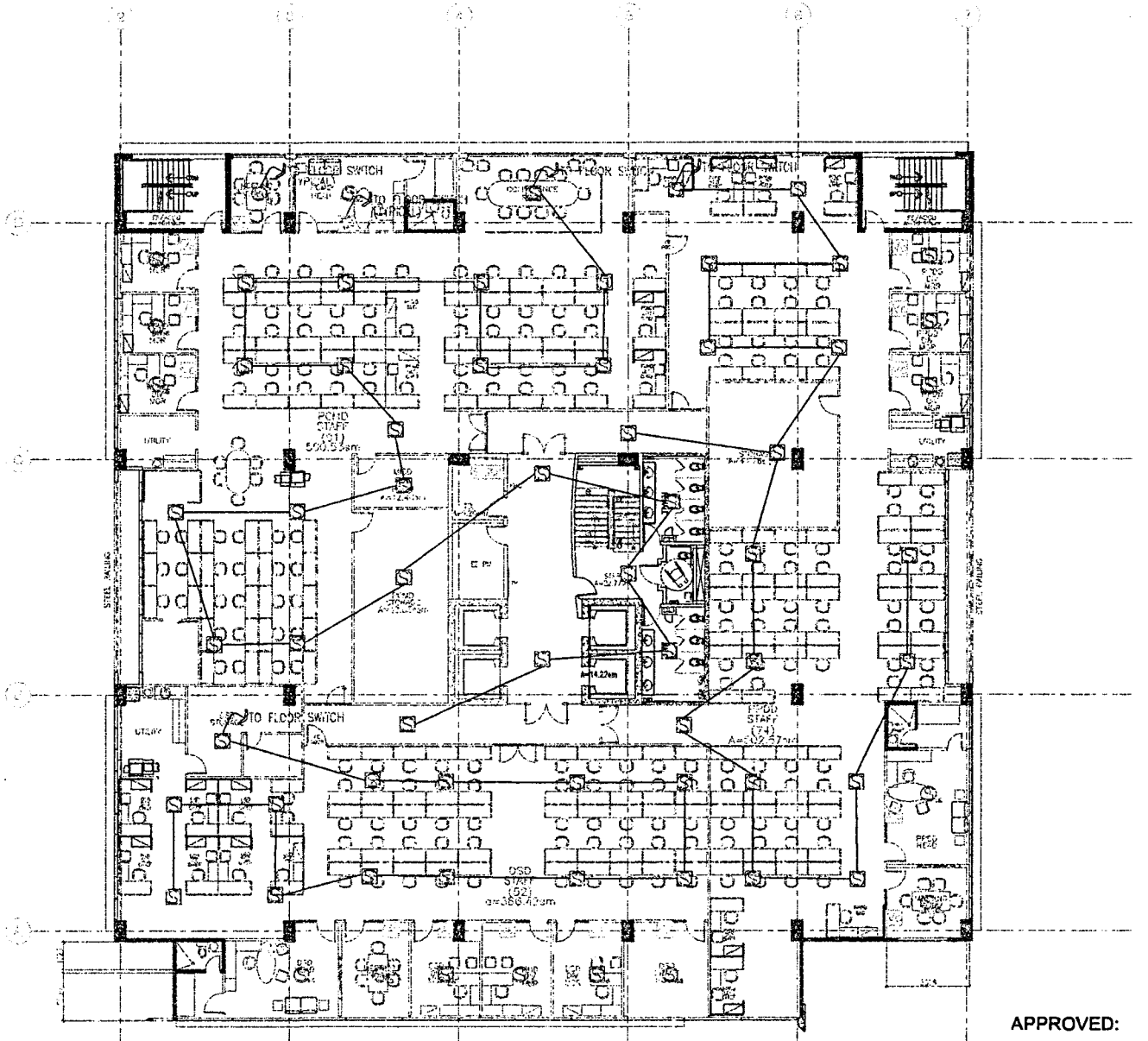
JANET P. CAYONA
Acting Manager, ASD



THIRD FLOOR PUBLIC ADDRESS SYSTEM PLAN

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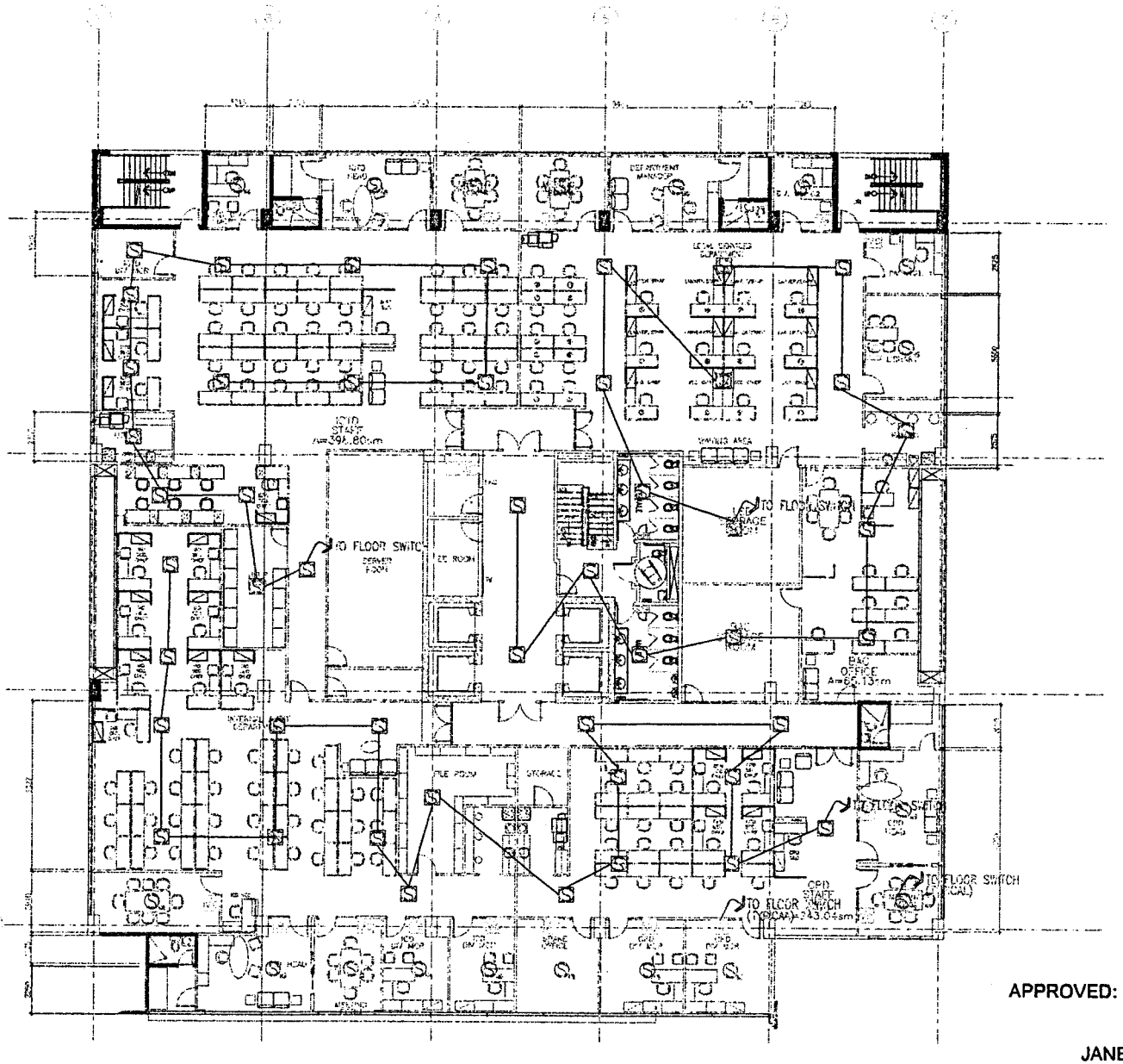
JANET P. CAYONA
Acting Manager, ASD



FOURTH FLOOR PUBLIC ADDRESS SYSTEM PLAN

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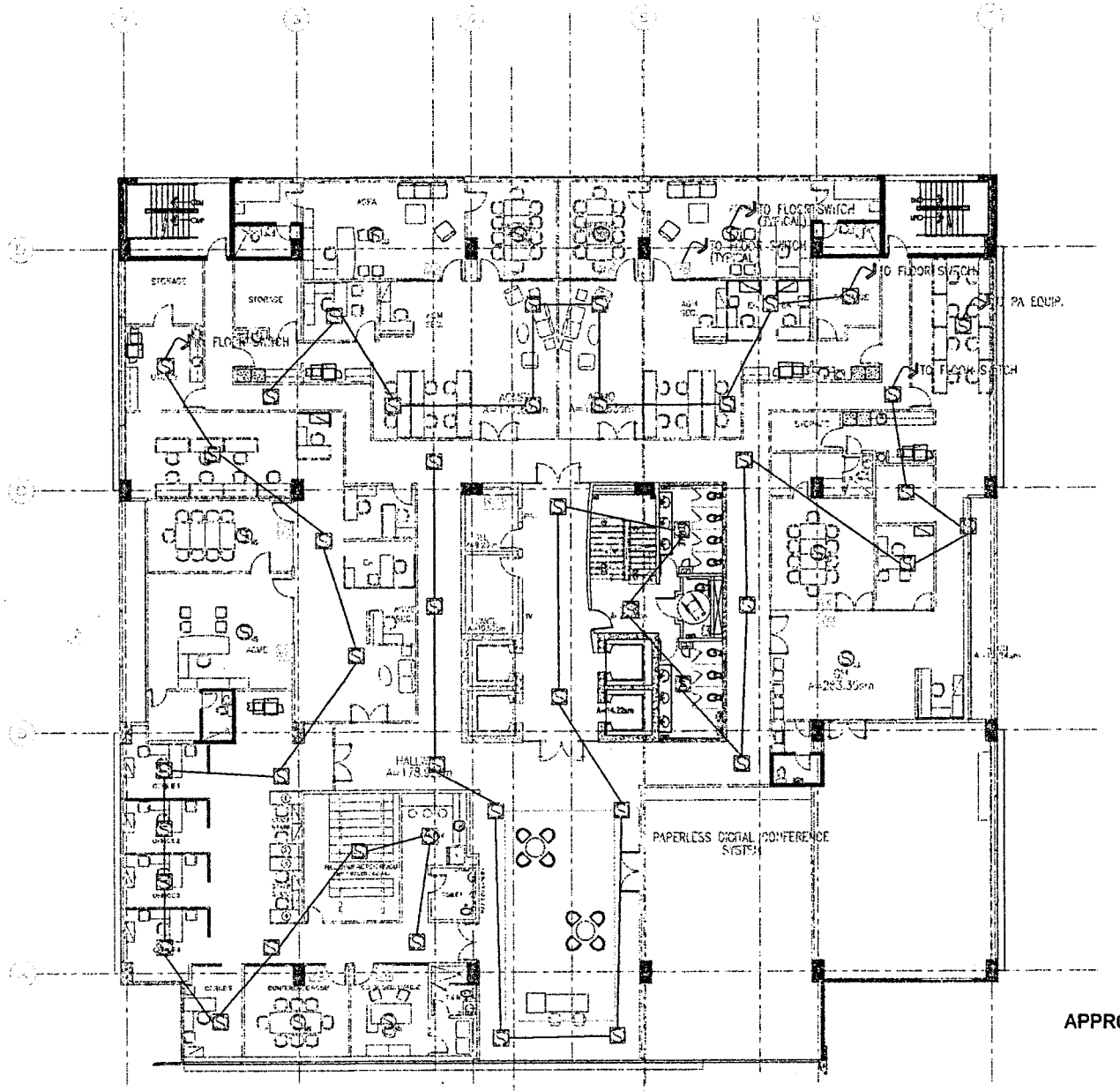
JANET P. CAYONA
Acting Manager, ASD



APPROVED:

JANET B. CAYONA
Acting Manager, ASD

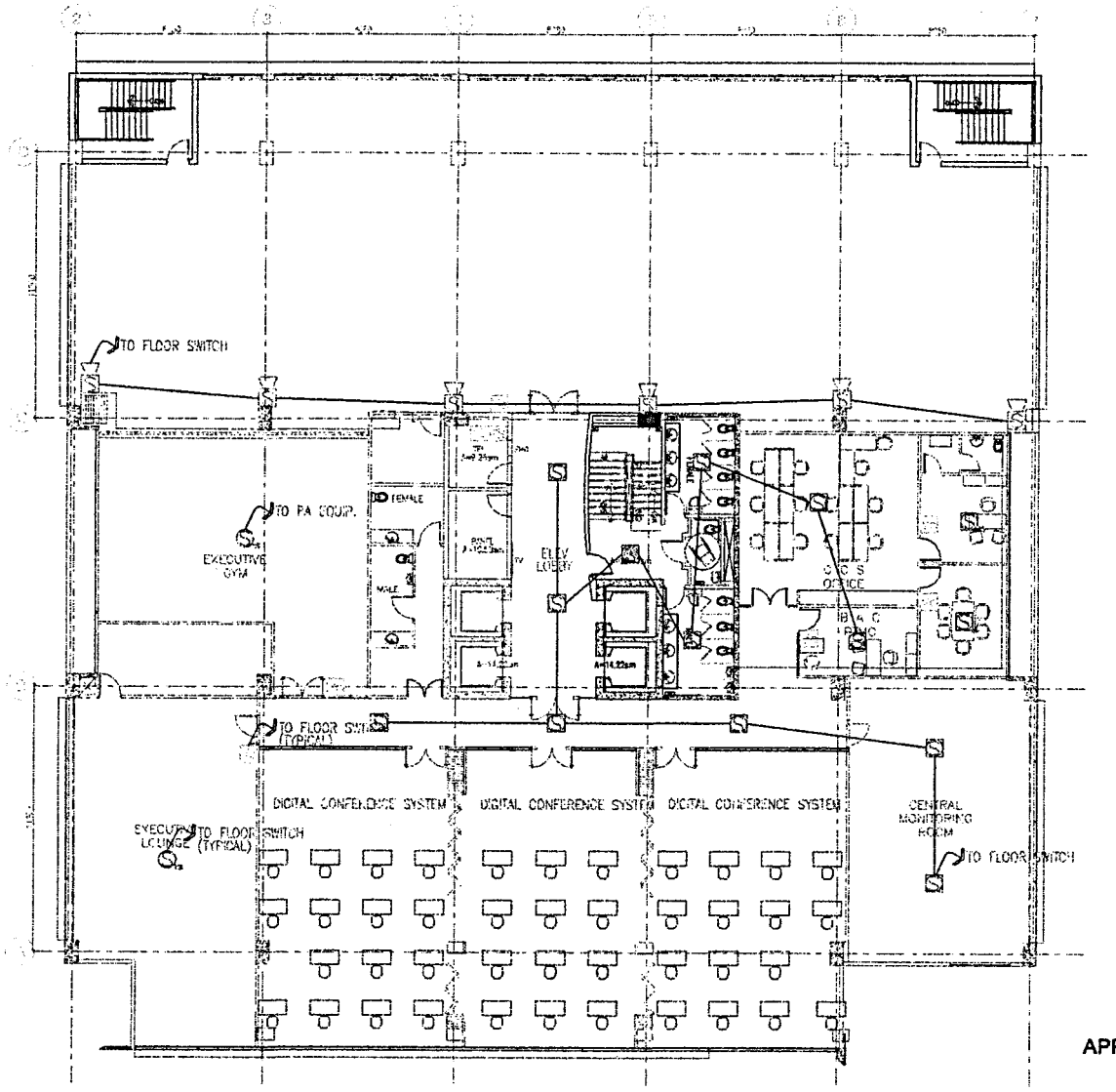
FIFTH FLOOR PUBLIC ADDRESS SYSTEM PLAN



SIXTH FLOOR PUBLIC ADDRESS SYSTEM PLAN

APPROVED:

JANET P. CAYONA
Acting Manager, ASD



SEVENTH FLOOR PUBLIC ADDRESS SYSTEM PLAN

APPROVED:

JANET P. CAYONA
Acting Manager, ASD

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 the following:

a. that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful; and

b. failure to enter into JVA in the event of a contract award shall be a ground for bid disqualification and subsequent forfeiture of the bid security.

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.

II. FINANCIAL COMPONENT ENVELOPE

☐ (a) Original of duly signed and accomplished Financial Bid Form; **and**

☐ (b) Original of duly signed and accomplished Price Schedule(s).

Bid Form for the Procurement of Goods
[shall be submitted with the Bid]

BID FORM

Date : _____
Project Identification No. : _____

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, offer to [supply/deliver/perform] [description of the Goods] in conformity with the said PBDs for the sum of [total Bid amount in words and figures] or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: [specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties], which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);

b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;

c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of [name of the bidder] as evidenced by the attached [state the written authority].

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Name: _____
Legal capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

Price Schedule for Goods Offered from Abroad
[shall be submitted with the Bid if bidder is offering goods from Abroad]

For Goods Offered from Abroad

Name of Bidder _____ Project ID No._____ Page ___ of ___

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Quantity	Unit price CIF port of entry (specify port) or CIP named place (specify border point or place of destination)	Total CIF or CIP price per item (col. 4 x 5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4 x 8)

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Price Schedule for Goods Offered from Within the Philippines
[shall be submitted with the Bid if bidder is offering goods from within the Philippines]

For Goods Offered from Within the Philippines

Name of Bidder _____ Project ID No._____ Page ___of___

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price EXW per item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Bid Securing Declaration Form
[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

BID SECURING DECLARATION
Project Identification No.: [Insert number]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.

2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.

3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:

   a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
   b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
   c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Contract Agreement Form for the Procurement of Goods (Revised)
[Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT made the _____ day of _____ 20_____ between [name of PROCURING ENTITY] of the Philippines (hereinafter called "the Entity") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of [contract price in words and figures in specified currency] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, viz.:

    i. Philippine Bidding Documents (PBDs);
        i. Schedule of Requirements;
        ii. Technical Specifications;
        iii. General and Special Conditions of Contract; and
        iv. Supplemental or Bid Bulletins, if any

    ii. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

        Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

    iii. Performance Security;

    iv. Notice of Award of Contract; and the Bidder's conforme thereto; and

    v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such

as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.

3. In consideration for the sum of [total contract price in words and figures] or such other sums as may be ascertained, [Named of the bidder] agrees to [state the object of the contract] in accordance with his/her/its Bid.

4. The [Name of the procuring entity] agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

[Insert Name and Signature]	[Insert Name and Signature]
[Insert Signatory's Legal Capacity]	[Insert Signatory's Legal Capacity]
for:	for:
[Insert Procuring Entity]	[Insert Name of Supplier]

Acknowledgment
[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement (Revised)
[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. [Select one, delete the other:]

   [If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

   If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. [Select one, delete the other:]

   [If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

   [If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. [Select one, delete the rest:]

   [If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

   [If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

   [If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. [Name of Bidder] complies with existing labor laws and standards; and

8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;

   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;

   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and

   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].

9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any

payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Performance Securing Declaration (Revised)
[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.

2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years for the second offense, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;

3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:

    a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
        i. Procuring Entity has no claims filed against the contract awardee;
        ii. It has no claims for labor and materials filed against the contractor; and
        iii. Other terms of the contract; or

    b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

NET FINANCIAL CONTRACTING CAPACITY (NFFC) COMPUTATION

A. The values of the bidder's current assets and current liabilities shall be based on the data submitted to the BIR, through its Electronic Filing and Payment System (EFPS).

		Year 20__
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth (1-3)	
6.	Net Working Capital (2-4)	

B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = [(Current asset minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, coinciding with the contract to be bid

NFCC = Php _____

K = 15

Herewith attached are certified true copies of the income tax return and audited financial statement: stamped "RECEIVED" by the BIR or BIR authorized collecting agent for the immediately preceding year.

Submitted by:

_____
Name of Supplier/Distributor/Manufacturer

_____
Signature of Authorized Representative

STATEMENT OF THE BIDDER'S ONGOING GOVERNMENT AND PRIVATE CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED

This is to certify that _____ has the following ongoing government and private contracts, including contracts awarded but not yet started:

NAME OF THE CONTRACT	DATE OF THE CONTRACT	CONTRACT DURATION	OWNER'S NAME & ADDRESS	KINDS OF GOODS/SERVICES DELIVERED	AMOUNT OF CONTRACT	VALUE OF OUTSTANDING CONTRACT	DATE OF DELIVERY

*PROOF OF CONTRACT TO BE PRESENTED AT POST-QUALIFICATION.

_____ _____

Name and Signature of Authorized Representative Date

STATEMENT OF THE BIDDER'S SINGLE LARGEST COMPLETED CONTRACT (SLCC) SIMILAR TO THE CONTRACT TO BE BID

This is to certify that _____ has completed the following:

NAME OF THE CONTRACT	DATE OF THE CONTRACT	CONTRACT DURATION	OWNER'S NAME & ADDRESS	KINDS OF GOODS	AMOUNT OF COMPLETED CONTRACT/S	DATE OF DELIVERY	END USER'S ACCEPTANCE OR OFFICIAL RECEIPT(S) OR SALES INVOICE ISSUED FOR THE CONTRACT*

*TO BE ATTACHED TO THE STATEMENT

_____
Name and Signature of Authorized Representative

_____
Date