



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino de las Alas Campus
Indang, Cavite
cvsu.edu.ph

**SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF
BRAND-NEW ELEVATOR FOR CON (INCLUDING SHAFT EXTENSION AND
ELECTRICAL SUPPLY)**

ABC: ₱4,100,000.00 / F164

1. Supply of Imported Equipment 5 Stops Machine Room Less Stretcher/Passenger Elevator (13 Passenger/ 1000 kG) – *W2950mm X D 3490mm (Shaft net size)/Cabin Dimension (W1850 x 1900)*
2. Installation – Locally Supplied Materials, Civil Works-Restoration of landing door, Landing Operating Panel (LOP), machine block out, including necessary permits (Permit to install & Permit to operate)
3. Supply Labor and Materials for the extension of the elevator shaft (Civil Works), Labor and Materials for electrical supply for Elevator

SPECIFICATIONS

PASSENGER ELEVATOR:

BRANDNEW

Type:	Airconditioned Passenger Elevator Car
Model:	Latest Model (satisfying the specs)
Speed(m/s):	1.6m/s
No. of floors to be served:	5 FLOOR, 5 STOPS, 5 DOORS (including roof top)
Passenger Goods Elevator Entrances :	One number in each floor
Method of control :	Variable Voltage variable frequency (VVVF) control
Flooring of Car :	Car floor shall comprise of a smooth nonslip surface.
Construction and finish of car :	Hairline Stainless Steel finish
Car door :	Hairline Stainless Steel finish
Travel Height:	17.30m
Shaft Size:	4.5 x 4.0m
Power Supply:	230Volts, 3Phase, 50/60Hz 3 Wires +Ground

Power Supply accessories:	Automatic Voltage Regulator
Car and Landing Position Indicator:	Light Emitted (LCDTFT)
Landing position indicator:	Light Emitted (LCDTFT)

Special Features:

Arrival gong:	On-car (Female English Voice Recording)
Intercom System:	Two - way
Attendant control	
Aluminum Ladder pit	
Out of Switch Control	
Emergency power	
Evacuation control	
With CCTV	
Earthquake Sensor	

Standard Control Features:

Alarm	
Automatic return to main floor:	No homing
Door final timer	
Door pre-opening	
Emergency light in car	
Light curtain	
Overloading warning	
Control system access for	
Person with Disability (PWD):	Braille for visually impaired, railings

Operation of Elevator: Automatic, simplex, selective, collective with and without attendant, through illuminated pushbutton station located inside the car with provision for locking control in Auto or attendant position.

Signals / Indicator: Car position informer, hall position indicator at all floors, battery operated alarm bell and emergency, Soft touch keys and digital luminous display in car operating panel and on all floor's landings. light with suitable battery, charger & controls, Overload warning indicator with visual & audio annunciation.

CCTV Ready ELEVATOR CAR: The car platform frame and sling shall be of steel construction. The platform shall be suitably isolated from its sling. The car shall be enclosed with suitably braced and reinforced sheet metal panel. The sheet metal panel shall have ventilation slots at the base. The car interior, the car doors and the landing doors shall be finished with two coats of baked enamel. All other exposed steel or cast surfaces shall be painted with one coat of suitable metal primer and two coats of machinery enamel paint.

CAR DOOR: The car door shall be of hollow metal construction minimum 16-gauge thick sheet steel.

LANDING DOORS: All landing openings in the Lift well enclosure shall be protected with doors which shall extend the full height and width of the landing opening. The locking device is closed until the door is closed. The levers operating the locking devices shall not interfere with the landing side or Elevator enclosures. Landing doors of the elevators shall have fire resistance of at least one hour. These doors shall also be smoke tight as far as possible.

SUSPENSION ROPES: The car and the counter weights shall be suspended by steel wire ropes.

SHEAVES AND PULLEYS: All driving sheaves and pulleys fixed to and revolving with the shaft shall be fixed by means of sunk keys of sufficient strength and quality.

SHAFT: Shafts and axles shall be forged steel. They shall have sufficient rigidity and bearing surface. Any shaft when stepped shall be turned to a reasonable radius at the point of reduction.

COUNTER WEIGHTS: The Elevator shall be provided with suitable counter weights located in the Lift shaft. The counter weight shall be designed for smooth and easy operation of the Elevator and shall be in accordance with Standard (or) equivalent International Standard.

GUIDE RAILS: Guide rails for the car and counter weights shall be machined 'T' sections and continuous throughout the entire length and shall be provided with adequate steel brackets or equivalent fixing of such design and spacing between brackets shall be such that to avoid any deflection during the normal operation.

EMERGENCY SAFETY DEVICES AND BRAKES: The Elevator shall be provided with safety device attached to the Elevator car frame and placed beneath the car. The safety device shall be capable of stopping and sustaining the Elevator car up to governor tripping speed with full rated load in car. The application of the safety device shall not cause the Elevator platform to become out of level in excess of 3 cm/m measured in any direction.

OVERLOAD DEVICE: Every passenger Elevator shall be provided with an overload device, which will prevent the Elevator from starting in case the Elevator car is loaded to 110 percent of the rated capacity of the Elevator or more. Elevator shall remain stationery with door open. Audio & visual warning device (Load weighing device) shall be provided to alert the passenger in case of overload.

MACHINE ROOM AND OVERHEAD STRUCTURES: All the overhead machinery shall be supported on beam to be furnished by the contractor.

OPERATION AND INTERLOCKS: The operation of the Elevator shall be simplex, selective, collective, and automatic, with or without operator. The Elevator operation shall conform to the following requirements.

- i) The operation of the Elevator shall be through a push button station located inside the car.
- ii) The Elevator shall not move unless the car door, landing door and all other protected openings connected with the control circuit are closed.
- iii) Two push buttons, one for upward and the other for downward movement at each intermediate landing and one push button at each terminal landing shall be provided in the landing floors in order to call the car.
- iv) The landing doors shall be interlocked so that the landing door at any floor shall not open when the Elevator is not on that floor.
- v) Push button shall be fixed in the car for holding the doors open for any length of time required.

WARRANTY:

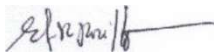
The Elevators Parts shall have guaranteed against factory defects and faulty workmanship under normal operating condition for the period of (12) Twelve months upon completion and turnover. Any parts found to be defective within the period, not attributed to normal wear and tear or incorrect operation shall be replaced free-of-charge.

After-sales training upon turn-over shall be conducted and periodic preventive maintenance service shall be covered during the warranty period.

OTHER REQUIREMENTS:

- 1.) Supply of Labor, Tools, Equipment, Installation with Signage, Testing & Commissioning of One Unit Passenger Elevator with Permit to install and Operate (Office of the Building Official (OBO) Permits & Professional Fees for Permit necessary for utility application).
- 2.) Custom Clearance, Duties & Taxes, Brokerage Fee, Delivery & Unloading.
- 3.) Provide as-built plan upon completion.
- 4.) Affidavit of Site Inspection and Certificate of Appearance

Certified Correct:



EFREN R. ROCILLO
TWG Chair, Infrastructure Projects,
Construction & Electrical
Supplies and Materials



LARRY E. ROCELA
TWG Member, Infrastructure Projects
Construction & Electrical
Supplies and Materials



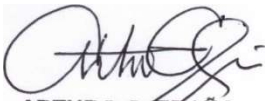
ELPIDIO N. RODEROS, JR.
TWG Member, Infrastructure Projects,
Construction & Electrical
Supplies and Materials



CENE M. BAGO
TWG Member, Infrastructure Projects
Construction & Electrical
Supplies and Materials



RONALD P. PEÑA
TWG, Member, Infrastructure Projects, Construction & Electrical Supplies and Materials /
TWG Chair, Air-conditioning, Transportation Equipment and Other Machineries



ARTURO C. ERAÑA
TWG Member, Air-conditioning,
Transportation Equipment
and Other Machineries



EMERSON LASCANO
TWG Member, Air-conditioning
Transportation Equipment
and Other Machineries