

**SOLICITATION SPA10016R0002
WAREHOUSE UPGRADE PROJECT
QUESTIONS AND ANSWERS**

1. Must we reuse the electrical boards and their existing components in the Embassy grounds or must we provide new ones?

A: New Panels are specified to serve the new equipment and building remodels. Existing panels shall remain and be disconnected from the existing service and backfed from the new panels.

2. In case that during the process of dismantling the equipment's to be moved, an existing opening has to be widened, should the modifications made be reverted or can they stay like that because they will be demolished anyway in the future?

A: Contractor shall disassemble all equipment as much as possible in order to remove the equipment. Contractor may remove the doors from the frames, which should allow for all equipment to be removed from the room. If it is determined that door openings need to be widened, the contractor will be responsible for returning it to its original condition.

3. Will the Embassy provide staff for the verification, together with the contractor, of the functioning of the equipment to be dismantled before they are transported out?

A: Yes, Embassy will walk through with Contractor to verify all equipment functions prior to removal.

4. Will the led lights to be used be provided by the Embassy or the Contractor? In the case that we must provide them, must they be LITHONIA or can they be any other brand already existing in the Paraguayan market, provided they meet the same specifications? If they must be Lithonia, they have to be imported into Paraguay.

A: Contractor must provide LED lights. Any brand that meets the same specification may be used.

5. Who provides the air conditioning systems (HVAC), the Embassy or the Contractor?

A: Contractor must supply all HVAC systems.

6. Can the equipment be moved on nonworking days? i.e.: Saturday afternoons, Sundays or Holidays.

A: Equipment may be moved on non-working days provided days are scheduled in advance. Contractor must coordinate with FAC in order to get the security officer approval.

7. F.4 Contractor's submission of construction schedules

(b) The schedules shall include the time by which shop drawings, product data, samples and other submittals required by the contract will be submitted for approval. What do you mean by "product data" and "samples"?

A: In each Specification Section under "Part 1 – General", there is a description of the information to be submitted by the Contractor to the Owner.

Product data is typically information from a manufacturer's catalog on the product being furnished and the characteristics of the product. For instance, in Specification Section 238126 – Split System Air Conditioners, Paragraph 1.2.A; product data would be information from the air-conditioner

manufacturer (Daikin, Carrier, Mitsubishi, etc.) on the products to be furnished and installed on this project.

Samples are typically items such as color samples or a material sample. For instance, in Specification Section 238126 – Split System Air Conditioners, Paragraph 1.2.C requests samples of the manufacturer's color charts so that the Owner can select a color of the air conditioner cabinets.

8. Concerning the disassembly. With regards to the removal of all metal pipes and electrical conductors, the question is what will be done with those ducts and cables, will they be reused in the new Warehouse or will they be delivered to those responsible of the Embassy?

A: Contractor should not remove any metal pipes or electrical conductors from the Embassy. Metal pipes and electrical conductors from the Warehouse may not be re-used and must be properly disposed.

9. Will the existing electrical boards in the Embassy Warehouse be reused in the new Warehouse?

A: Contractor will not remove any electrical boards or installations with the exception of the equipment from the Embassy.

10. Regarding the new assembly, there are not any specifications for the duct/pipe for Fire Prevention or alarms indicated.

A: The existing fire alarm system is to be revised to accommodate the new work as indicated on the new attached Drawing WHE-FA-101. See attached sheet.

11. What gauge will the main feeder that leaves the 200 kVA be? It is understood that the provision includes the conductors until the low tension terminal board of the transformer.

A: See Note #1 on Drawing WHE-EP501. The work described by this question is not included in the scope of this bid.

12. Specification for the grounding grid is not provided. Is it required?

A: See Spec Section "260526 Grounding and Bonding for Electrical Systems" for grounding requirements.

13. Will all the electric boards be new?

A: New Panels are specified to serve the new equipment and building remodels. Existing panels shall remain and be disconnected from the existing service and backfed from the new panels.

14. For the 110 Volt outlets, will the transformer be provided by the Embassy?

A: The transformer is provided by the contractor. See drawings and specifications.

15. To reach the equipment set up in the center of the warehouse, can the electrical conductors be exposed or must they be grounded?

A: Contractor shall provide exposed feeders in conduit with ground attached to the building structure, with drop-downs for equipment connections. See drawings and specifications.

16. Will the use of cable trays be allowed, or must all the cable ducts be made of metal?

A: All external electrical installations must be done with electrical metal tubing or metal race ways.
A: All electrical branch circuits and feeders shall be in metal raceways as specified.

17. Will the AC equipment and their bearings be provided by the Embassy?

A: The Contractor shall provide new AC equipment and bearings.

18. Where the drainage pipes of the AC's should be directed to?

A: For "FM Storage" see sheet M101 Notes This Sheet 4, 8, and 10 and detail 5/M501. Fan coil units for "FM Storage" AC-WHE-01 thru AC-WHE-04 are to be provided with condensate pumps. See "Split System Air Conditioning Unit Schedule" sheet M601.

For "Wood Shop" see sheet M101 Notes This Sheet 4, and 8 and detail 5/M501.

For "Electrical Shop" see sheet M101 Notes This Sheet 4 and 16 and detail 5/M501.

19. Concerning the compressed air, the pipes and accessories (valves, filters and others) must be new or the existing ones reused?

A: All pipes and accessories (valves, filters and others) must be new.

20. With regards to the board components, we want to use TM Schneider switches of the DIN rail type for the Capacities up to 125 Amp, and the shaped box type for the superior capacity.

A: All circuit breakers shall be bolt on type in a panel board as specified.

21. A capacitor bank is not mentioned, it won't be necessary?

A: A capacitor bank is not required.

23. About the air extraction ducts in the carpentry area, must they all be brand new or will the existing ones be reused?

A: The existing exhaust system at the carpentry shop won't be reinstalled at the new location. The Embassy will provide the new Dust Collector (Equipment #W). The Contractor shall provide new air extraction ducts for the dust collection system. The air extraction ducts are shown on sheets WHE A112 and WHE M101.

24. May we reuse the rubber interconnections between the carpentry equipment and the metallic sheet ducts?

A: If this is referring to the exhaust system, yes.

25. Exact location of the 380/110 volts transformer.

A: A 208/120 volt transformer is shown in the Carpentry Shop. The transformer location is shown on drawing 4/EP102. The transformer is specified in section "262200 Low-Voltage Transformers".

What must the lamps be like? Will they be provided by the Embassy? If not, does the Embassy have any preference for a certain brand/model existing in the market?

A: Lamps are to be provided by the Contractor. The Embassy does not have a preference for a certain brand.

Lighting fixtures are provided by the contractor and are shown in the Luminaire Schedule on sheet WHE-EL101. See also specification section "265100 Interior Lighting".