

# BCT Solar Building

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## Scope of Work

### PREP

1. **Contractor shall protect fences, siding, and all existing structures from damage during and until the completion of this project.**
2. Contractor shall erect barricades and barriers for auto and pedestrian traffic during all phases of this project.
3. Contractor, subs, and associated personnel are required to have photo I.D. visibly seen at all times on their outer wear. This I.D. shall state the person's name and company name they are employed by.

### Construction

1. Contractor to remove existing soil a minimum of 2' depth under new slab area of building. This soil removal shall extend outside the proposed foundation area by a minimum of 2'. Select fill to be used and compacted. New building foundation shall be a minimum of 6" above highest elevation of slab area. This foundation shall be according to the specs and drawings of S1.0 and S2.1 except for the width and length of the new building. The width and length are shown in drawing for new proposed building.
2. Contractor shall construct two approaches on the South side and one shorter approach on North side as shown on plans. These shall be 6" thick with same reinforcement steel as shown in S2.1. These to have a broom finish.
3. Contractor to furnish and install one pre-engineered building for BCT Solar Building at TSTC Waco Campus. Drawings must have engineer's stamp. The building is to be 50'x100' with four-16'x 10' coil doors with manual chain pull and two-3'x7' single bore steel walk through doors. Contractor to furnish drawing of new building prior to construction and must be approved by TSTC Project Manager.
4. Insulation shall be 3" single sided vinyl fiberglass for roof and walls.
5. **This building shall comply with IBC 2012.**
6. The dimensions/elevations of the building can be seen in drawings following this scope of work.
7. Structural steel is to be primed.
8. . The anchors will be installed per specifications of Drawings titled S1.0 and S2.1. These particular drawings are from our existing airport maintenance hangar. Contractor shall use these drawings in constructing the foundation for the BCT Solar Building. The only difference will be the width and length of the building. **Contractor to adhere to these specifications for the foundation.**
9. Roof decking is to be galvalume R-Panel 26 ga.

10. Metal siding and rake trim to match existing BCT building. The BCT Building is adjacent to the new proposed BCT Solar Building. The siding and trim to be 26 ga. Siding to be Ash Grey with trim Patriot Red as shown in Pioneer Steel and Pipe brochure.
11. Ten downspouts required along with gutters.
12. The electrical on new building shall be as shown on the electrical floor plan drawing **included in the scope of work. Contractor to furnish and install a new Square D-200 AMP single phase 42 circuit panel with main disconnect located in storage building adjacent to new building. This panel to replace a 100 AMP service panel. Contractor to furnish and install a new 100 AMP Square D panel in the new building. Contractor to furnish and** install underground electrical (APPROX 70 linear feet) from new 200 AMP to new building as per electrical drawing. Both panels to have a main disconnect. The wiring and circuits to meet or exceed compliance with the National Electric Code. Specifications for the lights and heaters are below. Contractor to furnish and install electrical wiring required for overhead gas heaters.
13. Contractor shall furnish and install new gas line from adjacent building (approx. 90 linear feet away to locations of new overhead heaters. This new line shall connect to existing valve on existing gas line. Contractor to furnish and install a main gas shut off valve located on the exterior of the new building. Contractor to furnish and install all gas piping required for new furnished overhead gas heaters.
14. Contractor to furnish and install two new overhead gas heaters with specifications listed below.
15. All electrical and mechanical shall be inspected by TSTC personnel. This inspection approval is an integral part of the substantial completion process.
16. Contractor to furnish and install 4-Wall Packs with Photo Electric and shown on electrical plan.
17. Coil doors are to be primed/painted white with manual chain pulls. Dimensions are on the elevation drawings. Walk through doors are to be steel, single bore, partial glass, with thresholds for weather, and self-closing.
18. Locks for the single doors will be listed in the specifications listed below.
19. Contractor shall smooth grade soil that was disturbed by construction. TSTC will seed for grass after construction is complete.
20. Contractor to furnish and install APPROX 105 linear feet of 6' chain link fence as shown on the exterior of new building as well as APPROX 50 linear feet of 6' chain link fence on interior of building as shown on drawing. There are no gates in this fencing.
21. **CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS SHOWN TO BE APPROX!  
CONTRACTOR IS BOUND TO FURNISH THE FENCE, GAS, AND ELECTRICAL  
SHOWN ON DRAWINGS.**

#### **SPECIFICATIONS:**

- Man door locksets are ARROW QL-81 SERIES with Medico Security Lock-KeySmart-20K20249-26-6D Cylinders

- Lights to be Lithonia IBZ 432 WD 2'x4' four bulb Fluorescent overhead fixtures with WGIBZ-14 Wire Guards hung overhead with chains.
- Wall Packs are single bulb with photo electric eyes
- Square D- 200 AMP single phase 240 volt with 42 circuit spaces and main disconnect.
- Square D 100 AMP single phase 240 volt
- Overhead gas heaters with thermostats-REZNOR 200UDAP

**General Notes:**

1. Contractor employees shall wear TSTC issued contractor badges during the duration of this project and all badges shall be signed back in to TSTC on completion of project.
2. All debris removal and cost of disposal shall be the responsibility of the contractor. All debris removal shall be off campus.
3. Contractor shall clean trash, debris, and sweep work area daily.
4. Contractor shall maintain a traffic barricade of caution tape installed approx. 42" above finished floor unless others are stated above.
5. No radios, MP3s, etc.
6. Proper work attire will be maintained by contractor's employees and sub-contractors.

**END OF SCOPE OF WORK FOR BCT SOLAR BUILDING**