

Phoenix Greenhouse Installation

Phoenix Charter Academy- Springfield invites bids for the 65 Lincoln Street, Springfield, MA 01109 in accordance with contract and summary specifications listed below. The work under this contract includes Site Prep Work, (installation of footings, concrete pathways, and a ventilation/heating system), as well as Greenhouse Installation (on-site 18' x 36' structure).

Successful bidder is required to obtain all necessary permits.

All bidders are reminded that bids close on June 29, 2023 at 5:00 PM. Please send bid via email to:

Denise Valdes, the Director of Strategic Initiatives

dvaldes@phoenixcharteracademy.org

OVERVIEW

Phoenix Charter Academy- Springfield is purchasing and installing a new greenhouse to support our students' social emotional learning and STEAM education, helping them develop the skills they need for life. To accomplish this goal, *Phoenix Charter Academy- Springfield* is seeking a general contractor to prepare the site and install the greenhouse kit. Site preparation includes and is not limited to ground leveling, removal of soil as necessary, installation of footings (sauna tubes or concrete), installation of ADA-compliant concrete pathway within the greenhouse and ADA-compliant walkway leading up to the greenhouse, as well as underground preparation for water and electrical lines and frost guards around the perimeter to ensure the greenhouse is climate- and pest-resilient. Installation includes the construction of [Greenhouse MegaStore's Junior Teaching Package Greenhouse Kit](#) and devices necessary to provide *Phoenix Charter Academy- Springfield* with a new on-site Greenhouse.

SPECIFICATIONS

Greenhouse Concrete Foundation

1. Construction site to be level within 2"+/-:
2. Dig number called and number given to Greenhouse Contracting Services, LLC
3. Greenhouse Megastore notified of any obstructions that are within 20' of the building site.

Greenhouse Specifications

Complete frame with 6mm polycarbonate twin-wall covering.

(1) 3' x 6'-8" Plyco insulated door.

(2) J&D Exhaust Fans.

(2) J & D Motorized Inlet Shutters.

(1) Heating Thermostat.

(1) 2 Stage Cooling Stat.

[\(2\) Phoenix Heater/Fan](#)

(2) Horizontal Air Flow Fans.

(1) 36" x 36' Motorized Ridge Vent

Complete assembly instructions, and an electrical wiring diagram showing details of all equipment connections.

Dimensions

Width = 18'

Length = 36'

Height = 10' 6"

Sidewall = 6'

Electrical

Provide power to all electrical components within the new greenhouse including two hanging [Phoenix Greenhouse Heaters/Fans](#) (each 13 A, requiring a grounded 240 V 60H AC Power outlet with adaptor), aquaponics tank pump, and potential grow lights. School's electric source is approximately 150' away from the site.

Water

Prepare site for water lines that service drip irrigation system, aquaponics tank, and utility sink/wash basin. School's water source is approximately 150' away from the site.

Concrete

Concrete Greenhouse Pathway (interior): (36' x 8')

Concrete Greenhouse Landing Pad (8' x 8')

Concrete Walkway from Sidewalk to Greenhouse (6' x 40')

BID SUMMARY

Each general bidder is required to submit their bid using the following format:

BASE BID

Item	Cost
Site Prep (Excavation, Grading, Compaction)	
Reinforced Concrete Slab per attached blueprint	
Greenhouse Installation	
Electrical Preparation and Install	
Water Line preparation	
Install 24 sauna tubes	
Total of all costs	