

SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY

REQUEST FOR PROPOSALS INTERIOR/EXTERIOR DOOR SEAL REFUGE CHAMBER Contract #2020-18

RFB Posted:	June 17, 2020
Mandatory Site Visit	July 10 2020 (RSVP by end of day June 29)
Written Questions Due:	July 10, 2020 2:00 p.m.
Question & Answers Posted:	July 13, 2020 2:00 p.m.
Proposals Due Date:	July 16, 2020 2:00 p.m.

The South Dakota Science and Technology Authority (SDSTA) is seeking proposals for Interior/Exterior Seal on Refuge Chamber door located at the Sanford Underground Research Facility, in Lead South Dakota Documents included in this Request for Bid include:

- A. Request for Proposals (RFP)
- B. Draft contract (2020-18)

1.0 Background

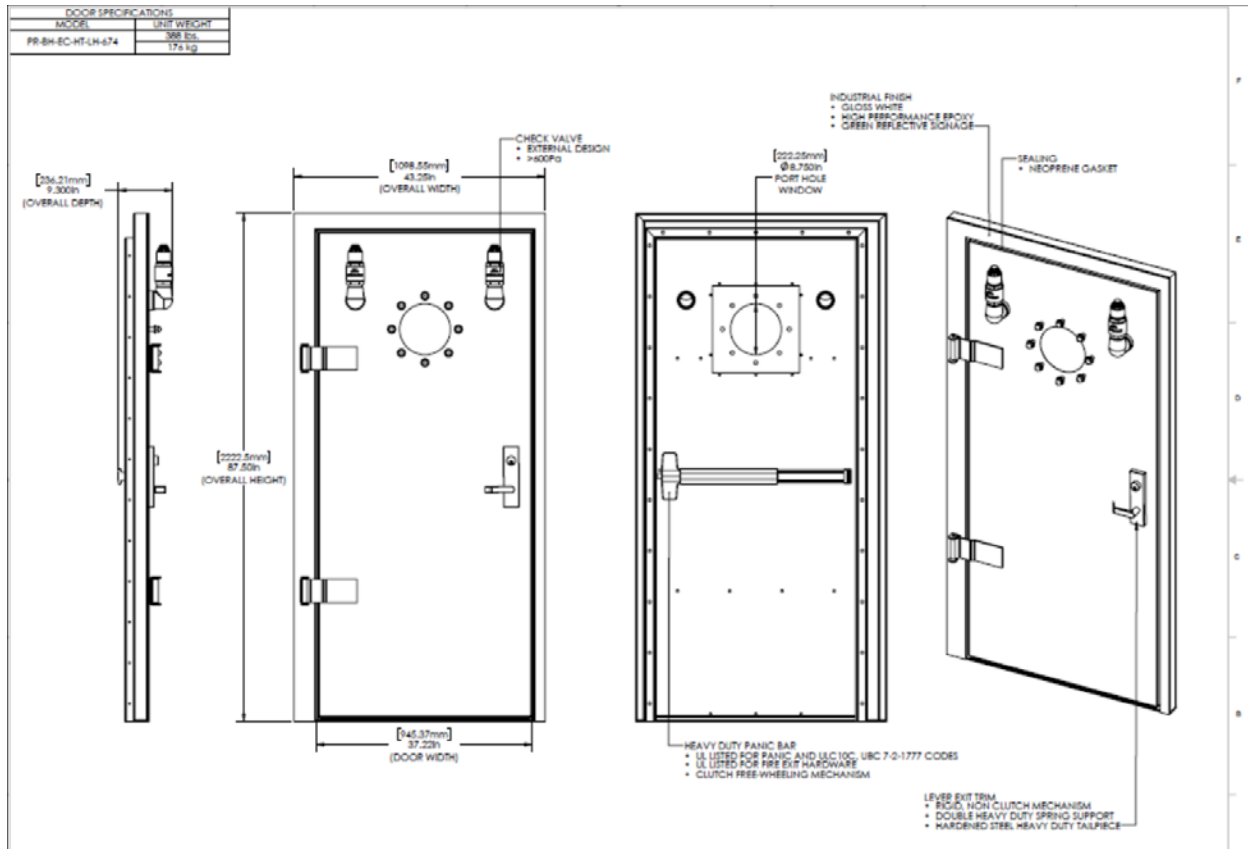
The South Dakota Science and Technology Authority (SDSTA) is a quasi-governmental agency established by the State of South Dakota to operate and manage the Sanford Underground Research Facility (SURF) in Lead, South Dakota. This facility has been developed to support a variety of scientific experiments, including physics, biology, geology, and others. SURF advances our understanding of the universe by providing laboratory space deep underground, where sensitive physics experiments can be shielded from cosmic radiation. Researchers at Sanford Lab explore some of the most challenging questions facing 21st century physics, such as the origin of matter, the nature of dark matter and the properties of neutrinos.

2.0 Scope

SURF's existing Refuge Chamber installed on the 4850 Level has an inner & outer door, per the specifications noted in drawing provided. Neither door was originally designed to be fully sealable until an actual emergency event, then they would be manually sealed with tape and sealant from the inside to prevent further air leakage or contaminated air from entering chamber.

The Refuge Chamber maintains normal day-to-day positive pressure via compressed air, however, due to the current leakage around door frames with current door design, there is significant loss of compressed air from the chamber thus putting additional strain on our facility compressors. SURF would like to consider options to replace existing Refuge Chamber doors with fully sealable & airtight doors. This not only would help maintain positive pressure more consistently but reduce the strain on facility compressed air systems. Overall, new fully sealable & airtight doors are a better design to ensure safety of the Refuge Chamber occupants.

Note: Current Refuge Chamber capacity is 144 people and covers approx. 2,400 square feet.



3.0 Bid Contents

- Provide rate sheet.
- Provide credentials on all anticipated on-site supervisors that will be assigned to the project.
- Provide a company health and safety plan and your respective OSHA 300 logs for the past 3 years.
- Provide resumes of qualified project personnel and three experience with similar projects.

4.0 Submission Requirements

All bidders are required to attend an onsite pre-bid conference July 10, from 7:00 a.m. -10:00 a.m. MT at the Sanford Lab, 630 East Summit Street, Lead South Dakota. Pre-registration is required email mbaumann@sanfordlab.org by close of business June 29th to receive instructions and directions. Only companies represented at the pre-proposal bid conference will be eligible to submit proposals.

Written Questions are due by July 10th, 2020 by 2:00 p.m. email to mbaumann@sanfordlab.org. Only companies represented at the pre-proposal bid conference will be eligible to submit bids.

Questions / Answers will be emailed to all prospective bids and posted to the sanfordlab.org website no later than July 13, 2020.

Bidders should submit an electronic copy (.pdf format) of the bids no later than 2:00 p.m. July 16, 2020, to: mbaumann@sanfordlab.org.

The proposal period may be extended at the discretion of SDSTA based on the quantity and/or complexity of questions. Any notices of extension of time to respond will be distributed to all prospective bidders by SDSTA.