



Stable Isotope Production and Research Center (SIPRC)

Expression of Interest Overview

UT-Battelle (the Company) is requesting an Expression of Interest (EOI) for Architect-Engineering (A-E) Services to provide design and construction support services to construct a new one-story, ~ 55,000 square foot facility at the Oak Ridge National Laboratory in Oak Ridge, Tennessee. The new Stable Isotope Production and Research Center (SIPRC) will be designed and constructed to support a specific mission need for a U.S. Department of Energy (DOE) funded Line Item project.

The A-E Services solicitation is expected to occur in spring of CY 2021, with design duration of 6 months. All interested firms should provide contact information (Name, Email and Tel #) for further correspondence as part of their response.

Disclaimer: This EOI neither constitutes a solicitation, Request for Proposal (RFP), Invitation for Bid, or promise to issue an RFP in the future, nor does it restrict UT-Battelle to an ultimate acquisition approach. This EOI is issued solely for information and planning purposes and should not be construed as a commitment of any kind. EOI submission is not required to be considered for inclusion on the invitation to bid at a later date.

Scope – The scope of this project is to design and perform limited construction oversight for the new facility on a preselected site on the ORNL Campus. The facility will house two independent production areas for stable isotope production with limited administrative facilities for staff. Functions housed within the building will include but are not limited to production rooms, a high-bay space with overhead crane coverage, and lab support spaces including a 1000-level clean room. The facility shall be designed for independent future expansion of either production area. Please note that the design of the production area itself will be by the Company/Others. Program support spaces will fill out the remaining building areas. Based on preliminary conceptual space estimates, the SIPRC facility would contain between 50,000 and 55,000 square feet, with a conceptual layout as provided in the attached figure.

The detailed design shall be limited to the following:

1. All site works
2. Envelope and services required for the entire facility and future expansion
3. Detailed design for the interior for ~12,000 GSF
4. Designing services to Company specified equipment locations for Group 1 area (~17,500 GSF)

The eventual awardee will be required to send, receive, and handle Unclassified Control Nuclear Information (UCNI) in compliance with DOE Order 471.1B, *Identification and Protection of Unclassified Controlled Nuclear Material* and its Contractor Requirements Document. Contractor Requirements Document requirements flow down to all subcontractors to the extent necessary to ensure compliance. The DOE Order can be accessed at the following link: <https://www.directives.doe.gov/directives-documents/400-series/0471.1-BOrder-b/@@images/file>

Key Personnel – Project Manager/Project Architect; Structural, Mechanical, Electrical, Piping, and Electrical/Low Voltage Systems Engineers; and Project Controls

Other Personnel - Fire Protection Engineer

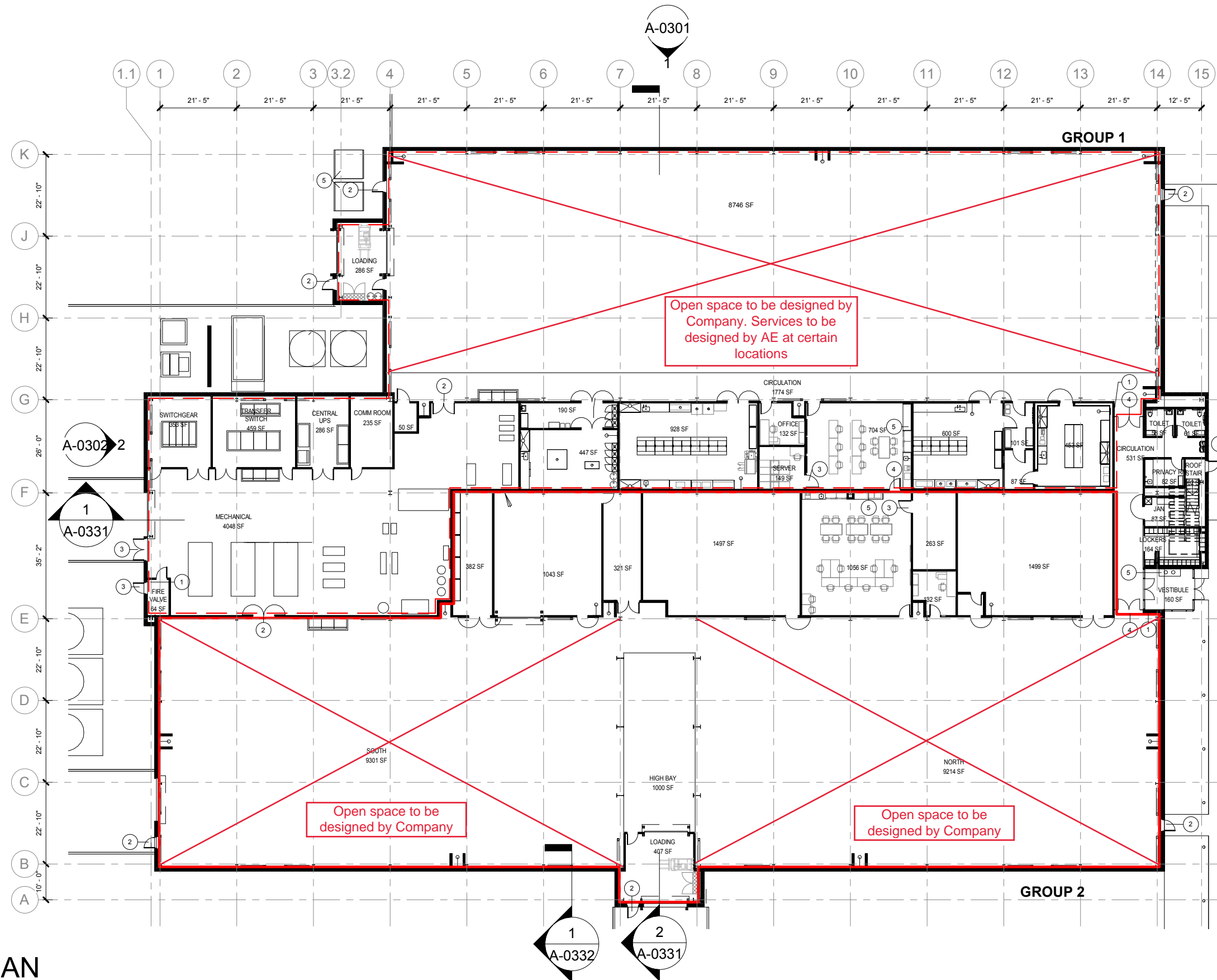
Submittal Requirements – The EOI submittal requirements consist of a narrative summary overview of up to maximum of two pages in length. Note: Previous Q-cleared work experience is not a prequalification/qualification criterion and is requested for information only. However, the responses may aid in development of the final solicitation package requirements. The EOI response shall address the following:

- Line Item/DOE/Federal experience in design of research and production spaces and construction oversight support
- Past UCNI design experience – summarize past projects, implementation of UCNI program requirements, and current staff experience
- Past Q-cleared design experience – summarize past project experience working in a classified environment and describe current staff qualifications
- Main and branch office locations – describe capabilities of office(s) that would lead the design and construction support services, playing special emphasis on local or regional presence
- Company name, key contact, and address

Responses Due: All responses will be electronic format and emailed to wilsoncr@ornl.gov. All responses must be received no later than 12:00 PM EST on October 27, 2020.

Attachments

- SIPRC EOI Conceptual Floor Plan



NSF ROOM SCHEDULE	
ROOM NAME	AREA
Group 1	17,382 SF
Group 2	25,338 SF
Program and Building Support	6,899 SF
Room NSF Total	49,669 SF

GSF ROOM SCHEDULE	
ROOM NAME	AREA
Circulation	2,407 SF
Walls	2,043 SF
Gross SF	4,450 SF
Building Gross SF	54,119 SF

- Graphic Key**
- VTR Certified
 - Built to VTR Standard
 - Emergency Shower / Eyewash
 - ① Fire Alarm Panel
 - ② Egress only. No exterior hardware.
 - ③ Card Reader
 - ④ Cyber Lock with combination
 - ⑤ Recycling and Waste Collection

LEVEL 01 PLAN
1" = 30'-0"



SIPRC
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CANNONDESIGN
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