

DOE-ID NEPA CX DETERMINATION Idaho National Laboratory

SECTION A. Project Title: CFA Power Utility Operations Building

SECTION B. Project Description and Purpose:

A new Power Utility Operations Building will consolidate all Power Management personnel, equipment and Supervisory Control and Data Acquisition (SCADA) equipment into one facility and will be located at Central Facilities Area (CFA). The new building will have office space, locker rooms, restrooms, laundry facilities, breakrooms, conference rooms, breaker refurbishment and glove testing workshops, and kitchen areas. The facility will be funded from laboratory discretionary indirect investment funds. Overall goals are to design the space using a mix of sophisticated technology and cost-effective design/construction solutions, while keeping the future workforce in mind. New modular construction concepts with prefabricated components will be explored and implemented if deemed the right solution. The new building will stand 28.6' tall at it's highest with a length of 160' and be 86' wide.

Water and sewer will be provided to the building via underground service connections to existing CFA utilities near CFA-1611 Fire Station and will require digging a trench. There will also be a back-up generator installed, which will require completion of an Air Permitting Applicability Determination (APAD).

Geotechnical surveys may be needed for this project.

Parking areas may be established as seen in Image 8. These parking areas may or may not be paved.

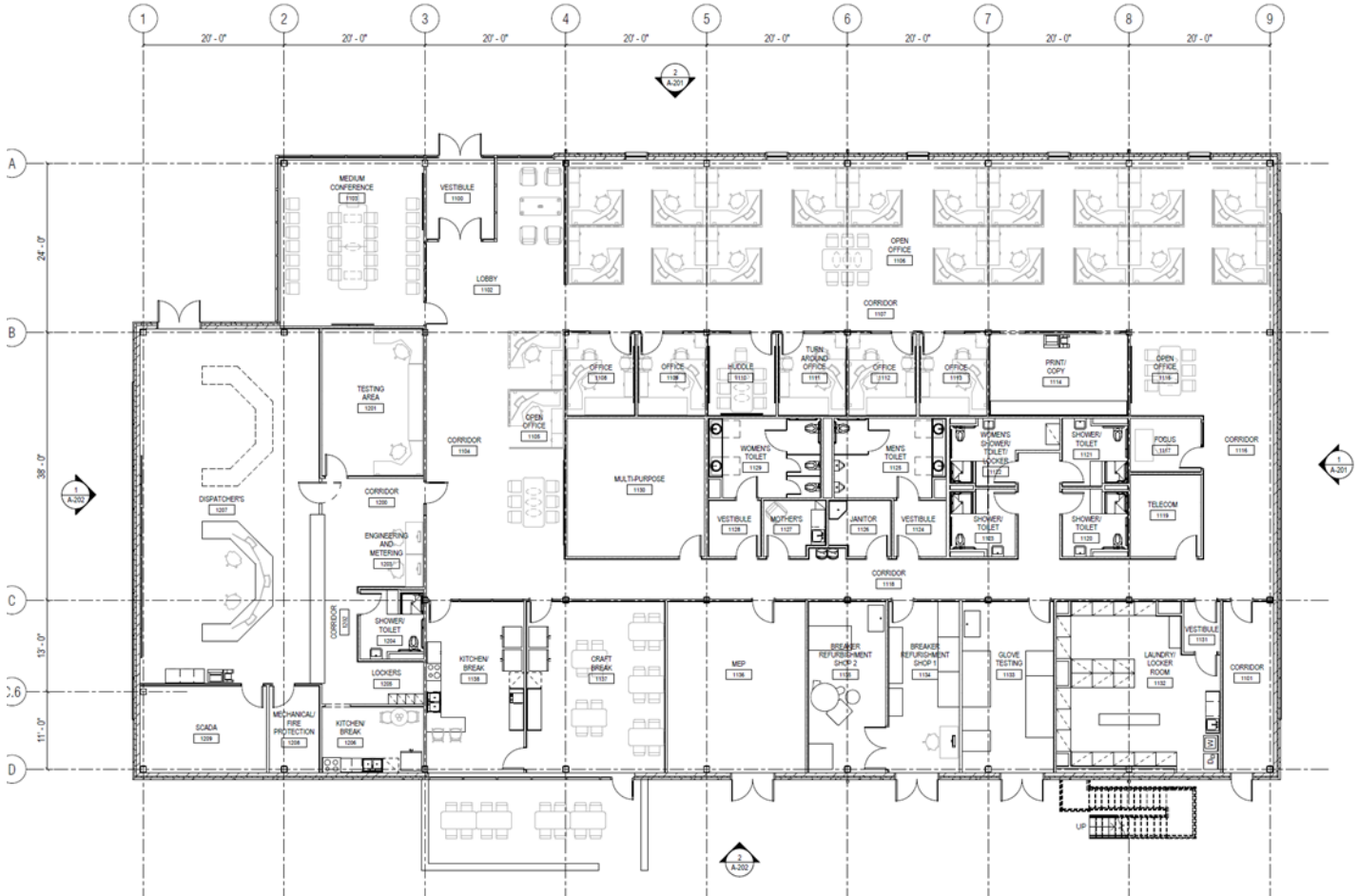
See below images for more information on the building.

Image 1: Building Location



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Image 2: Building Floor Plan



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Image 3: Building Elevations

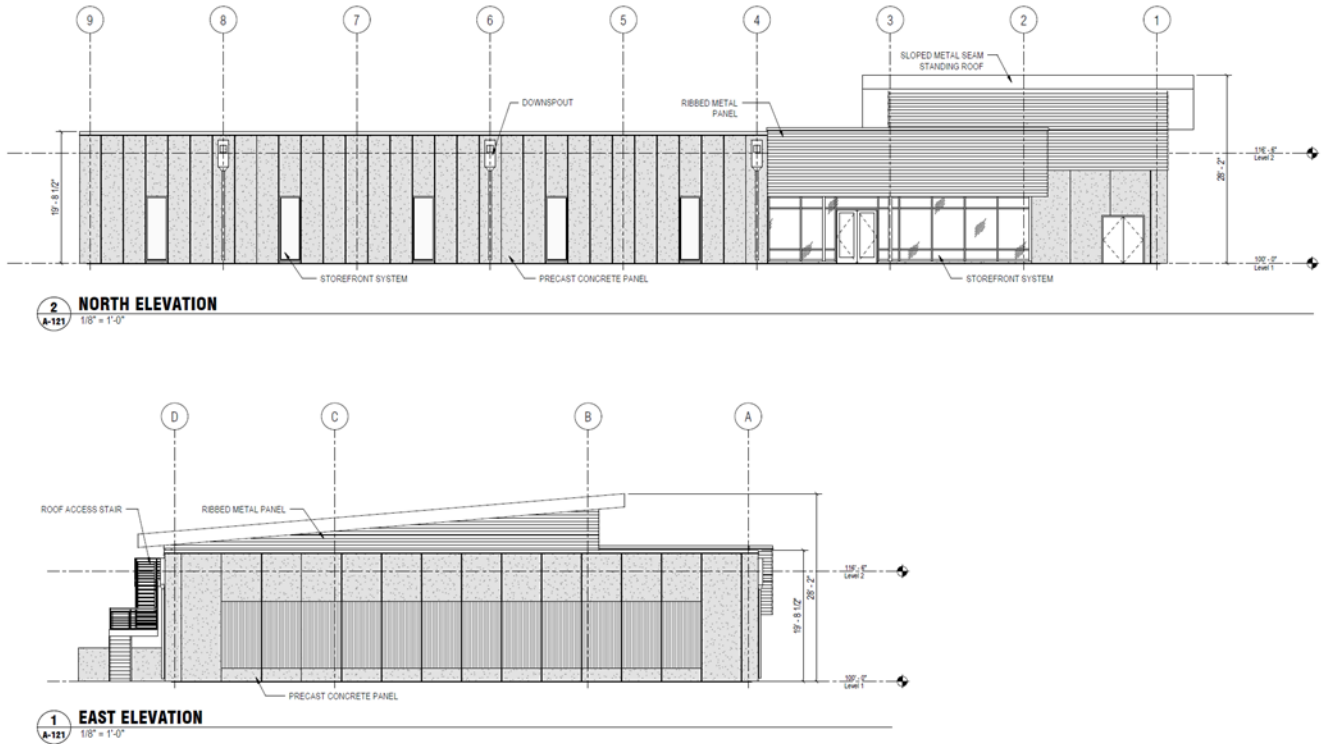
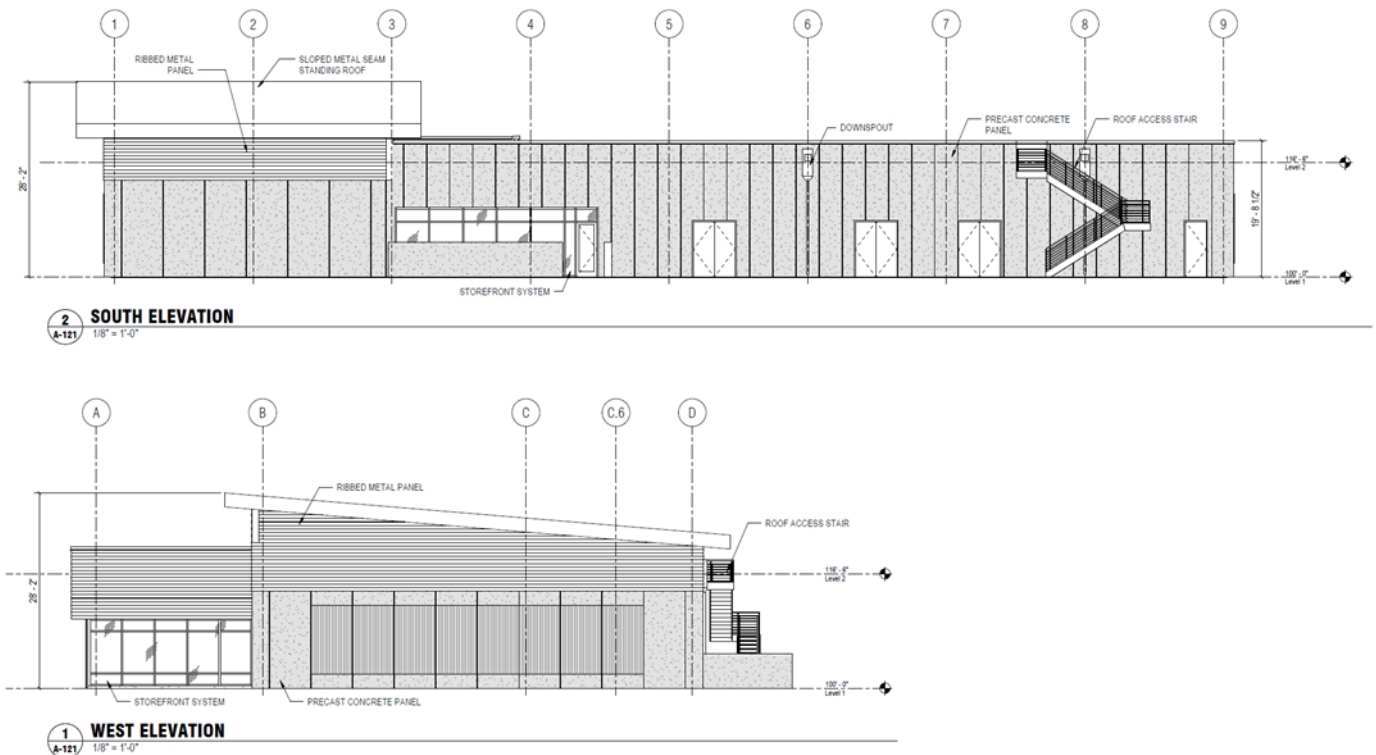


Image 4: Building Elevations



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Image 5: Aerial



Image 6: Building Exterior

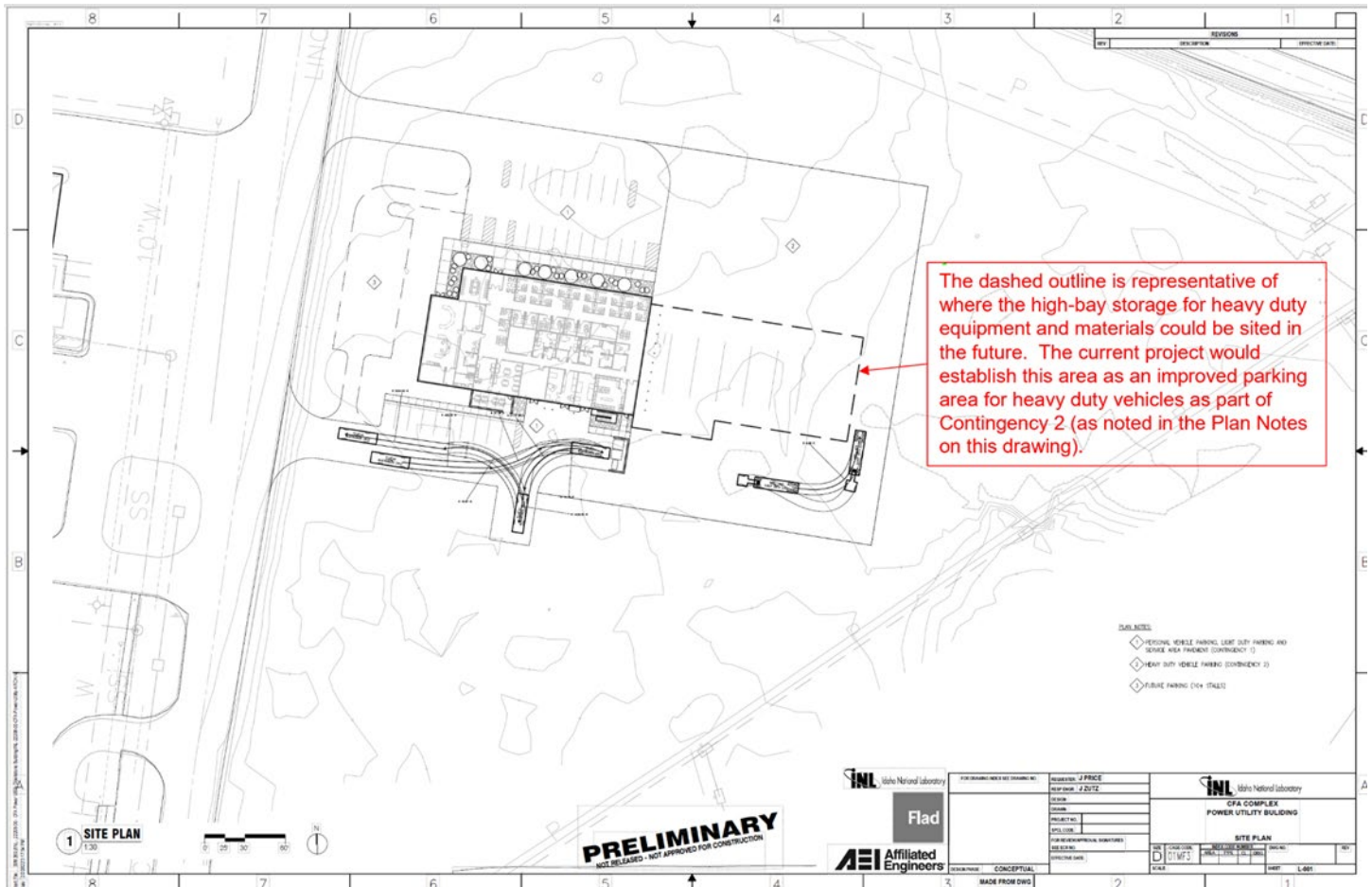


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Image 7: Building Exterior



Image 8: Area of Disturbance



SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Note: If this project or activity produces or causes air emissions, and it is not stated in this ECP how those emissions caused by this project or activity are exempt, then an APAD is required for documentation.

- Generating air pollutants, including but not limited to chemical and combustion emissions
- Generating hazardous emissions, such as by operation of fuel burning equipment, use of construction or maintenance products that contain hazardous constituents, and disturbance of contaminated soils
- Maintaining, servicing, or repairing stationary heating, ventilation, air conditioning and refrigeration equipment
- Acquiring and dispositioning chemicals
- Generating fugitive dust or other fugitive emissions
- Purchasing, relocating, operating, modifying, or maintaining portable air emission sources, including non-road internal combustion engines.

Discharging to Surface-, Storm-, or Ground Water

- Construction or modification of drinking water systems and cross connections
- Maintaining, repairing, or altering drinking water systems and cross connections
- Using drinking water systems and cross connections
- Constructing or modifying sewage and other reuse systems
- Discharging Wastewaters

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- Managing storm water discharges.

Disturbing Cultural or Biological Resources

Activities addressed by this EC have the potential to disturb cultural or biological resources through the constructing facilities, structures, equipment and/or processes. Construction of new facilities may adversely affect the historic character of adjacent historic properties. A CRR was completed for this project. Please see BEA-2022-15.

Generating and Managing Waste

Activities addressed will generate waste typical of construction activities, including concrete from pad demolition

Releasing Contaminants

Typical construction chemicals such as fuels, lubricants, adhesives, paints, concrete, concrete cure, asphalt, refrigerants, etc., will be used and will be submitted to chemical inventory lists with associated Safety Data Sheets (SDSs) for approval in the vendor data system prior to use. The facility Chemical Coordinator will enter these chemicals into the INL Chemical Management Database. All chemicals will be managed in accordance with laboratory procedures. When dispositioning surplus chemicals, project personnel must contact the facility Chemical Coordinator for disposition instructions.

Although not anticipated, there is a potential for spills when using chemicals or fueling equipment. In the event of a spill, notify facility PEL. If the PEL cannot be contacted, report the release to the Spill Notification Team (208-241-6400). Clean up the spill and turn over spill cleanup materials to WGS.

Using, Reusing, and Conserving Natural Resources

- Building energy use
- Consuming potable or industrial water
- Generating landfill waste or construction and demolition wastes
- Generating recyclable materials
- Providing an opportunity to engage in sustainable acquisition practices.

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

For Categorical Exclusions (CXs), the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not "connected" to other action actions (40 CFR 1508.25(a)(1) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

References:

10 CFR 1021, Appendix B to subpart D, item B1.15, "Siting, construction or modification, and operation of support buildings and support structures."

Justification:

B1.15 "Siting, construction or modification, and operation of support buildings and support structures (including, but not limited to, trailers and prefabricated and modular buildings) within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible). Covered support buildings and structures include, but are not limited to, those for office purposes; parking; cafeteria services; education and training; visitor reception; computer and data processing services; health services or recreation activities; routine maintenance activities; storage of supplies and equipment for administrative services and routine maintenance activities; security (such as security posts); fire protection; small-scale fabrication (such as machine shop activities), assembly, and testing of non-nuclear equipment or components; and similar support purposes, but exclude facilities for nuclear weapons activities and waste storage activities covered in B1.10, B1.29, B1.35, B2.6, B6.2, B6.5, B6.6, and B6.10 of this appendix."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) Yes No

Approved by Jason L. Anderson, DOE-ID NEPA Compliance Officer on: 06/21/2022