



Statement of Work

LIGO Livingston Second Floor Staging Building Bathroom Upgrades

1.0 Justification

The second floor area of the Staging Building consists of approximately 5400 square feet of office space and houses approximately twenty support staff members and engineers. The area currently includes one small 80 square foot unisex bathroom with one toilet and one wall hung sink. The current bathroom is not adequate to support the existing occupants. In an effort to fulfill the original plan for the second floor area and in anticipation of the addition of more staff, it is proposed that the unfinished space in the northeast corner of the second floor measuring 360 square feet, be modified and finished to include a men's and women's, ADA compliant bathroom at a cost of approximately \$35,000.00. This addition will provide the required bathroom facilities needed for the existing staff and for the planned, future increase in occupancy in the area.

2.0 Scope of Work

- Remove existing walls, partitions, ceiling, flooring, doors, and door frames from the proposed bathroom area.
- Remove existing sheetrock from the exterior walls in the proposed area to allow access for the addition of the required plumbing for the new bathroom fixtures.
- Core drill the floor as needed to install the required sewer and water lines in the upgrade area.
- Survey and provide access points on the first floor in the existing men's bathroom of the Science Education Center to allow for the connection of new sewer drains and the domestic hot and cold water supply to the new bathrooms.
- Restore access points to the original condition after connections are complete.
- Create a hall way leading from the existing employee kitchen area on the second floor, leading to the new bathroom area. (Currently, there is a door that separates the existing kitchen from the new bathroom area.).
- Build out the proposed area using metal studs and 5/8" sheetrock per architectural drawings.
- Insulate the exterior and interior walls as needed per architectural drawings.
- Install one handicapped toilet, one standard toilet, toilet partitions, and one sink and vanity per architectural drawings in both the men's and women's restrooms.
- Install a new suspended ceiling system, with all new light fixtures and 6" of un-faced insulation above ceiling per architectural drawings throughout the entire upgrade area.
- Install new exhaust ventilation in both bathrooms including controls, duct work, and roof or exterior wall penetrations as needed for exhausting to the outside.
- Install all new toilet paper, hand towel, and soap dispensers in both bathrooms as well as the necessary mirrors over the new vanities.
- Modify the existing supply air and return area ducts and grills to accommodate the upgraded area per architectural drawings.
- Install new wiring connected to the existing circuits to accommodate the new lighting system, exhaust system, and receptacles per architectural drawings in the upgraded area.
- Install all new doors, flooring, and finishes in the upgraded area to match the existing finishes in the Staging Building.

3.0 Safety Plan:

LIGO requires all on-site work to be covered by a written safety plan consistent with LIGO safety requirements to ensure safe work practices are followed while performing construction, maintenance, or like activities at any of the LIGO facilities.

All bidders are required to submit either a copy of their existing safety plan/program or a written description/outline of their safety program with their proposal. The bidder must also submit their plan/program for managing their subcontractor's safety related activities. In the event that a prospective contractor/vendor lacks an acceptable existing safety plan and/or program, the contractor/vendor shall develop and implement a system safety program in compliance with the requirements negotiated at contract/PO award.

4.0 Sub-Contracted Work:

LIGO expects that at least 2/3 (by dollar value) of the contracted work be performed by the Supplier named on the Purchase Order. The Supplier shall be responsible for all sub-contracted work.

5.0 End Item Data Package:

Before acceptance of installation, the Supplier shall provide the following, as a minimum:

- Any as-built modifications (with approval of the LIGO Contracting Officer) as mark-ups to the drawings
- Owners manuals, operating manuals and installation manuals for all equipment.

6.0 Delivery Requirements:

LIGO requires this equipment be installed and operating by the following dates:

Dec 31, 2015.

These items will be installed at:

LIGO Livingston Observatory