

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND, MID-ATLANTIC  
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA

REPLACE EXTERIOR LIGHTING BLDGS 4389 & 4390

AT THE

MARINE CORPS AIR STATION  
CHERRY POINT, NORTH CAROLINA

PROJECT: 6393198

DESIGNED BY:

NAVAL HEALTH CLINIC  
CHERRY POINT, NC

SOW APPROVED BY:

Design Director:   
WILLIAM C. NEWTON, PE

Date: 5-1-15

# STATEMENT OF WORK

For

## Replacement of Metal Halide Wall Pack Lights with LED Wall Pack Lights

### 1. Introduction

The following work is to be completed on buildings 4389 Naval Health Clinic, 4390 Central Energy Building, 4391 Ambulance Shelter and 4426 Retort Sterilizer Building, all on the grounds of, Naval Health Clinic Cherry Point, MCAS Cherry Point, NC 28533-0023. The purpose of this Statement of Work (SOW) is to obtain the supervision, expertise, labor, materials, and equipment in relation to the following work:

To repair by replacement of the existing "Metal Halide" wall pack lighting fixtures with "LED" wall pack lighting fixtures. The replacement is part of our Maintenance Action Plan (MAP) life cycle updates as well as part of the ongoing project at NHCCP to conserve electricity, lowering the clinics overall utility cost and also to provide brighter/safer access/egress at the clinic.

The metal halide wall packs are part of the exterior lighting system which includes upgraded LED coach lights and LED parking lot lights. It has been approximately twenty years since the wall packs were installed.

A system of exterior LED wall pack lighting fixtures will be used to replace the existing system of exterior Metal Halide wall pack lighting fixtures one for one.

One exterior LED wall pack lighting fixture will be added to the south east side of building 4390. The contractor of this this project will verify all work is compliant with all required NEC codes.

### 2. Location

All work will be outside Building # 4390, 4389, 4391 and 4426. The existing lighting system is located on the outside of the buildings listed approximately twelve feet above grade level. Each fixture will replace an existing Metal Halide fixture with the one exception noted in the introduction (One exterior LED wall pack lighting fixture will be added to the south east side of building 4390).

### 3. Scope

#### Installation will include but not be limited to:

- Contractor will be responsible for all delivery, installation, labor, materials, equipment, measurements, licensing, software, programing, testing and any certifications needed to complete this project and to turn over to the Contracting Officer's Designated Representative and clinic facilities thirteen (13) fully functional exterior LED wall pack lighting fixtures (each with lighting equivalent to a 175 watt metal halide fixture). Wired to be controlled with the existing central photo cell mounted on the third deck roof above the elevators # 3 & # 4.
- All work and schedules will be coordinated with the Contracting Officer's Designated Representative and clinic facilities. All work performed will be during normal operating hours (0700-1600, M-F). Any work performed outside of this period must be, pre-approved and "planned" for.
- All North Carolina Building Codes, Fire Codes, Statutes, NEC, OSHA Safety Codes and the U. S. Army Corps of Engineer's Safety and Health Requirements Manual, EM 385-1-1, shall be strictly enforced.

An accident prevention plan in accordance with the EM 385-1-1 is required. The contractor is responsible for any required permits.

- Secure/Remove/Reclaim/Lock out/tag out, existing piping, wiring, controls, gasses, electrical power and any potential hazard or energy source prior to working on the electrical system. Clinic Facilities will be notified prior to the securing of any electrical circuit.
- Replace the existing twelve (12) exterior Metal Halide wall pack lighting fixtures one for one with exterior LED wall pack lighting fixtures (with lighting equivalent to a 175 watt metal halide fixture).
- Add one (1) exterior LED wall pack lighting fixture (with lighting equivalent to a 175 watt metal halide fixture) to the south east side of building 4390. This fixture will be electrically powered/controlled by being connected to the exterior wall pack forty feet to the north within the same building. EMT conduit piping and wiring will be used to connect the two fixtures. This fixture will be wired/connected in such a way as to operate with the same controller as the other twelve wall packs. **All electrical work will meet NEC regulations.**
- Facility will provide the existing electrical power; the vendor will use the existing wiring unless it is deemed unfit to use. Vendor will verify the existing power (voltage and amperage) is sufficient for the operation of the new fixtures, and the vendor will verify the footprint (mounting area) of the new fixture is sufficient for the new fixture to cover any mounting box or holes used to mount the original fixtures.
- Clinic Facilities will review specifications of the proposed new equipment.
- Existing conduit piping and wiring for CEB exterior lighting will be left in place tied into the new system and continue to be used.
- The exterior lighting system will be brought to a normal “in use” condition including a check-out and inspection of all electrical, piping and lighting components, including but not be limited to: proper starts, stops and mounting of all fixtures and conduit.

#### **4. Notes**

- The contractor shall provide a Maintenance/Care Plan covering each device and subsystem along with the associated Preventive Maintenance program to the Head of NHC CP Facilities.
- The contractor is responsible for all deliveries, crane/lift work, site work and safety
- All work performed will be during normal operating hours. Any work performed outside of this period must be, pre-approved and “**planned**” for.
- Contractor will comply with Clinic and Base safety regulations (Clinic Safety Manager is Paul Nelson @ 466-0102). Work is to be completed in a safe and professional manner.
- Aluminum ladders will not be used in or around Buildings # 4389 or # 4390 without prior consent from the Clinic Safety Manager, Paul Nelson @ 466-0102
- If flame generating equipment is used the **contractor** will obtain a HOT WORK permit from the station Fire Department (466-2241).
- The vendor will be responsible for all measurements needed to build, procure, repair and install all products.
- The lock/tag out system will be used when any, fuel, gas, steam, electrical supply or any potential hazard/energy source is secured.
- NHCCP Facilities Management Department and/or the Command Duty Crew will be notified at the start and finish of work each day.
- The contractor will provide a written report of all construction, repairs and discrepancies found during the visit.

- The contractor will provide cost estimates for repairs and modifications outside the scope of the original contract.
- The contractor will be responsible for all material, supplies equipment labor and testing needed to do a turn-key job.
- The contractor will be responsible for the removal of all trash, removed/replaced parts and or debris they generate on a daily basis to a location off MCAS, all discarded material will be disposed of per any applicable EPA regulations.
- All work shall be done in a manner of workmanship that shall reflect full journeyman capabilities in the required trade and would meet industry standards.
- The work area will be left in a clean and safe manner at the end of each work day.
- The Clinic will be responsible for the rerouting of patient traffic while the Vendor is working in an area or department.
- The start time of the contract will be determined in part by the production/delivery time of the equipment.
- The contractor will be responsible for signing in with Facilities and to participate in all alarms/drills during the contract duration.