

CONTRACT# N40085-09-B-0496  
PROJECT # 9M119CN  
MAXIMO# 4231520

TITLE: BUILDING 251 HANDICAP ADDITIONS

ATTACHMENTS: Floor plan of the building showing the location of the handicap additions.

SCOPE OF WORK: The contractor shall provide all material, labor, equipment and supervision required to accomplish the following:

General description – The responsibility of the contractor is to provide a graded handicap ramp, hand rail, and automatic door opener, at Bldg. 251 side entrance. Bldg. 251 is located a 251 F Street.

Detailed requirements and specifications

Handicap Ramp

- 1) Demo the existing raised 4' x 4' concrete pad at the side entrance door. Do not demo the existing sidewalk below.
- 2) Prep the existing sidewalk for overlayment of handicap ramp.
- 3) Overlay the existing sidewalk so that the grade of the new walk will be flush with the existing entry door. This shall create a smooth transition from the walk to the building for handicap access. Tie the new overlaid walk back into the existing walk. The grade shall not be greater than 1:12. The width of the existing walk is  $\pm$  4'.
- 4) Repair existing walk to create a smooth transition from the asphalt parking lot to the existing side walk.
- 5) Ramp/landing is to be constructed with 4000-psi fibrillated fiber reinforced concrete.
  - a. The ramp/landing shall be formed and poured to prevent standing water.
  - b. Fibrillated fiber reinforced concrete shall be a minimum of 4000-psi with a maximum 4-inch slump.
    - i. The water –cement ratio shall not exceed the manufacturer's recommendations.
    - ii. Fibrillated fiber reinforcement shall have a minimum ratio of 1- $\frac{1}{2}$  Lbs. per yard.
- 6) Mechanically cut relief joint no further then 1- $\frac{1}{2}$  times the sidewalk width.
  - a. Relief joints shall be mechanically cut into the concrete within 24 hours of the concrete being poured.
  - b. Saw cut relief joints to a minimum depth of a  $\frac{1}{4}$ -inch for every 1-inch thickness of concrete poured.
- 7) Surfaces shall have a smooth finish.
- 8) Replacement areas shall be barricaded off until concrete has been poured and forms removed.
- 9) All debris shall be removed from the work site on a daily basis.
- 10) Repair, refinish areas damaged or disturbed by new work to be provided under this contract.
- 11) Properly remove, haul, and dispose of all debris. The Base Landfill may be utilized.
- 12) The measurements and quantities furnished here are for reference only. The contractor is responsible for actual field verification prior to bidding, ordering materials and during every step of construction for existing surfaces, dimensions and conditions.

Handicap Ramp Railing

- 1) Install 1- $\frac{1}{2}$ " aluminum pipe, schedule 40 minimum, hand rail along the side of the handicap ramp as shown on the attached plan. The rail shall be attached to the lower sidewalk. The railing shall be 36" high and have support every 75". The rail is approximately 30' long.
- 2) Install the aluminum railing along the edge of the upper sidewalk (see drawing). The railing shall be installed by core drilling into the existing lower concrete walk, inserting the vertical rail supports into the holes, and securing the vertical supports with suitable epoxy compound poured into the hole around the support.

Power Door Operator

- 1) Install a power door operator on the side entry door.
- 2) Install switches as shown on the attached plans locations.
- 3) Connect power door operator to the closest available 120 volt source.
- 4) Power door operator : Power Door Operator, Double Lever, 120 VAC, Heavy Duty, Housing Height 5 1/4 In, Housing Length 29 In, Housing Width 4 5/8 In, Finish Aluminum, Non Handed, For Use On High Traffic Areas, In Doctors Offices, Retirement Facilities and Churches to Facilitate Entry and Exit., Push/Stop Side Type of Installation, Radio Frequency Wall Switches, Door Width 48 In. Max In, Includes (2) Wall Switches, 6 In x 6 In Stainless Face Plate, Includes ADA Logo, Mounts Surface or Flush

SUBMITTALS: None Required

SPECIAL SCHEDULING AND ACCESS: The point of contact for access to the building is Gerald Wingate (910) 449-9085.

SPECIAL CONDITIONS: None

HAZARDOUS MATERIALS: Asbestos containing materials as listed in the general description above.

ENVIRONMENTAL: None Identified