Part 3

Repair Latrines

Statement of Work / Project Program

Revision (1) 13 April 2022

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1.0 PROJECT DESCRIPTION:

This project consists of renovations to existing latrines due to deteriorated steel studding.

Statement of Work

Mission Impact: Project includes repairs to latrines in Naval Nuclear Power Training Command Building 2400.

Mission Partner(s): Naval Nuclear Power Training Command, 628 CES

A. GENERAL: The work to be performed under this contract consists of providing all labor, material parts, and equipment necessary to repair and renovate latrines A311&A312, A209&A211, A108&A110, P258&P259, P158&P159 in building 2400. All interior tile and wallboard shall be removed and steel studs evaluated for replacement. All deteriorated bottom track and studs shall be replaced. Care shall be required for all common walls not to overly damage the adjacent wallboard. The “A” Latrines are “stacked” one on top of another on floors 1-3.

The "P" series latrines are "stacked" on floors 1 and 2. Only one "stack" may be under construction at any one time, meaning that the government shall have beneficial occupancy of the first stack of bathrooms before another stack start construction. This building does not have an elevator. Wet walls have severe deterioration in the track and stud up to about 12" AFF. All project components and materials shall be installed in accordance with the manufacturer's technical installation instructions and specifications. All measurements and quantities are estimated, contractor is to confirm and adjust all measurements and quantities. Contractor shall provide all tools, qualified labor, materials, equipment, supplies and supervision necessary to engineer, install, and warranty all items in accordance with the following Statement of Work. All work shall be accomplished in accordance with all Federal, State, Local Regulations and the guidelines & requirements to include but not limited to the following:

1. International Building Code (Current Edition)
2. International Mechanical Code (Current Edition)
3. International Plumbing Code (Current Edition)
4. National Electrical Code (NFPA 70)
5. National Fire Code (NFPA 1)
6. Base Architectural Compatibility Guide
7. Unified Federal Criteria (UFC)
8. Unified Facilities Guide Specifications (UFGS)
9. NFPA 101 Life Safety Code (Current Edition)
10. NFPA 72 National Fire Alarm Code (Current Edition)
11. American Society for Testing and Materials(ASTM) C840

NOTE: All work may be done during normal business hours (0600-1700 M-F), no weekends or government holidays work without prior written authorization. The demolition, chipping and grinding of the latrine floors for the removal of tile and preparation of the new floor system shall be scheduled for off hours or during the weekend, this shall be coordinated with the user. Common wall work that does not affect classrooms may be completed during normal hours. Common wall work in classrooms will require work outside of normal hours due to the sensitive nature of classroom instruction.

B. LOCATIONS: Building 2400 NNPTC Compound, 101 Naval Nuclear Power Training Command Circle, Goose Creek, SC 29445.

SECURITY NOTE: Building 2400 has an extra layer of security. All contractors will have a single point of entry and exit from the building. All contractors shall be required to obtain a security badge from the security desk and return it each time they leave the building. No cell phones, smart watches or other electronic communication devices shall be allowed in the building. There is no smoking within 100 yards of the building. Violations can result in permanent access revocation.

C. SCOPE OF WORK:

The project requirements include, but are not limited to the following major items of work:
NOTE: In accordance with 29 CFR 1926.1101 (OSHA's Asbestos Standard for the Construction Industry) Building Owners are required to inform potential contractors bidding for work of the presence, location, type and amount of asbestos containing building materials (ACBM) that may be impacted by this project scope of work. The following is applicable:

1. Building is asbestos free as of 1999.

ASBESTOS/LEAD PAINT SURVEY/ABATEMENT:

1. Contractor shall conduct a limited building asbestos and lead survey and provide the Government the original report prior to the start of construction. Asbestos and lead found in the immediate work area which will be disturbed by construction will be abated and disposed of properly. Material will be disposed of at an approved offsite landfill.

2. Contractor shall coordinate the transportation and disposal of hazardous materials at their cost with the 628 Civil Engineer Hazardous Waste Program Manager at (843) 963-1470.

3. Contractor shall prepare a Hazardous Waste Profile Sheet in accordance with the Joint Base Charleston Hazardous Waste Management Plan.

GENERAL SITE AREA:

1. Contractor shall provide daily work cleanup with a final cleanup at the end of the project.
2. Contractor shall safe guard all GOV owned equipment. Contractor shall maintain a safe work environment.
3. Contractor shall protect the building's stair treads from damage. The contractor shall be responsible to any damage to the epoxy stair treads installed in late 2021.
4. The building does NOT have an elevator.
5. A licensed electrical contractor shall perform all electrical connections. Installation shall be in accordance with National Electrical Code current edition and Unified Facilities Criteria.
6. Contractor shall follow proper lock out-tag out procedures when working on electrical circuits.
7. A licensed plumbing contractor shall perform all plumbing connections. Installation shall be in accordance with International Plumbing Code and Unified Facilities Criteria.
8. Contractor shall be provided with an approximate 625SqFt lay down area. On the NNPTC campus. Lay down area may be in excess of 100' away from the building pending mission requirements. No utilities will be provided by the government for the lay down area. The contractor shall be responsible for the restoration of the lay down area to pre-construction condition at the conclusion of the project.

NOTES:

1. All plumbing pipes connected to active systems shall be plugged or capped at all times and all water feed valves shall be locked out by approved means to prevent accidental flooding. The contractor shall be responsible for any and all flooding repairs associated with the project.
2. There are active electrical and communication conduits in the slab.
3. Dust mitigation shall be used for the duration of the project. Submit dust mitigation plan before the start of demolition. A plenum return is utilized in the majority of the building.

DEMOLITION:

NOTES:

1. Protect B2400 Stair treads from damage. The contractor shall be responsible to any damage to the epoxy stair treads installed in late 2021.
2. Protect all fire alarm, Simplex call devices and sprinkler heads from dust or damage.
3. Protect all return vents from any dust intake.
4. Provide dust mitigation during demo and sheetrock sanding phases.
5. Shared classroom and hallway walls shall be kept intact. Steel stud and track quantities are estimated.
6. Protect existing floor drains from debris in a way that will still allow water to drain.

The Contractor shall:

1. Remove and dispose of thirty-seven (37) water closet partitions to include toilet paper dispensers, and sanitary napkin holders.
2. Remove and store of all existing porcelain wall mounted water closet fixtures and flush valves. There are a total of thirty-seven (37) wall hung water closets in this project. All water feeds, plumbing drains and vents shall be capped or plugged. Remit unused flush valves to the Government.
3. Remove and store of all existing porcelain wall mounted urinals and flush valves. There are a total of twenty-nine (29) wall mounted urinals in this project. All water feeds shall be capped and all plumbing drains and vents shall be plugged. Remit unused flush valves to the Government.
4. Remove and dispose of ten (10) existing stainless steel gang sinks.
5. Remove and dispose of existing ten (10) sinks, ten (10) faucets and five (5) counter tops and associated steel frame in Women's latrine.
6. Remove and dispose of five (5) stainless steel frames associated with women's latrine countertop.
7. Remove and dispose of five (5) approximately 5'Wx5'H mirrors. One (1) in each female latrine.

8. Remove and dispose of five (5) approximately 2'Wx6'H mirrors. One (1) in each male latrine.
9. Remove and dispose of approximately forty-nine hundred (4900) square feet of wall tile, which includes the full length and height of the walls in men's and women's latrines.
10. Remove and dispose of seven thousand one hundred fifty (7150) SQ FT of fiberglass batt insulation.
11. Remove and dispose approximately forty-nine hundred (4900) square feet of interior wall board.
12. Remove and dispose of all interior sheetrock ceilings this is approximately twenty-two hundred thirty-one (2231) SQ FT of ceiling mounted gypsum board.
13. Remove and dispose approximately twenty-two hundred thirty-one (2231) SQ FT of all interior tile flooring. This work shall be accomplished during the off hours (2300-0600 M-F) or on the weekends.
14. Remove and dispose of the twenty-two hundred thirty-one (2231) square feet of exiting floor mortar bed. This is estimated to be up to three hundred seventy-two (372) cubic feet if the floor mortar base is two inches (2)" thick across the entire square footage. Estimated weight is twelve (12) lbs per square foot. This work is to be accomplished outside of normal business hours (CLINS 4,5)
15. Remove and dispose of up to four-hundred-sixty (460) 3-5/8x 3/12 galvanized steel wall studs. For proposal purposes the contractor shall use this as estimated quantities to be adjusted in the field. (CLIN 3)
16. Remove and dispose of up to six hundred (600) linear feet of bottom steel track. For proposal purposes the contractor shall use this as estimated quantities to be adjusted in the field. (CLIN 3)
17. Remove and dispose of up to six hundred (600) linear feet of top steel track. For proposal purposes the contractor shall use this as estimated quantities to be adjusted in the field. It is of the Government's discretion to reuse the existing top track. (CLIN 3)
18. Remove and re-install any electrical boxes, conduit, wiring and switches associated with the wet wall mounted lighting as needed.
19. Remove and dispose of approximately forty (40) 1'x4' fluorescent type fixtures, associated lamps or LED modules and wiring back to the nearest junction box.
20. Remove and dispose of approximately thirty (30) recessed round (general gang sink lighting) and wall pack fixtures (in wet wall areas) with associated lamps or LED modules.
21. Remove and dispose fifteen (15) of ceiling mounted HVAC supply grates and ductwork back to the nearest joint if required for installation.
22. Remove and dispose ten (10) ceiling mounted HVAC return grates and ductwork back to the nearest joint if required for installation.
23. Remove and dispose of ten (10) ceiling mounted HVAC venting grills and ductwork back to the nearest joint if required for installation.
24. Remove and dispose of fifteen (15) semi-recessed stainless steel paper towel dispensers and waste receptacles.
25. Remove and remit to the Government ten (10) dual technology occupancy sensors and power packs.
26. Remove and store and reinstall all HVAC room sensors or thermostats.
27. Dismount, protect and remount ten (10) Simplex call system wall mounted devices. These devices are part of an active call system.

INSTALLATION :

WALLS

Note:

1. The finish for exposed sheetrock shall be level 5. All non-exposed or above ceiling sheetrock finish shall be level 2 as described in ASTM C840
2. Tile shall be Dal Tile Unity 12"x24" Polished Filed Tile in Ash Grey (P405) or approved substitute.
3. Wall color shall be Sherwin Williams Pro Mar 200 221-C1 SW9136 Lullaby in Semi-Gloss
4. Grout shall be Laticrete Epoxy Grout in Smoke Grey#89 or approved substitute.

The Contractor shall:

1. Provide sealing of up to eight (8) floor slab penetrations in 1st floor latrines. There are several locations in wet wall areas where water infiltration was discovered. Sealing method shall not cause degradation of piping systems.
2. Provide and install up to twelve hundred (1200) linear feet of minimum 18 gauge galvanized steel track to accept 1 ½" x 3 5/8" steel stud for top and bottom tracks. For proposal purposes, the contractor shall use this as estimated quantities to be adjusted in the field.
3. Provide and install up to four-hundred-sixty (460) 1 1/2" X 3 5/8" X14'18 gauge steel studs to rebuild the walls in their pre-existing locations. Studs to be installed per manufactures recommendations. For proposal purposes the contractor shall use this as estimated quantities to be adjusted in the field. Steel studs may need to be extended to the above deck. Patching or sistering of studs shall not be allowed. Steel studs shall be replaced in their entirety. (CLIN 3)
4. Provide and install approximately nine hundred (900) Sq Ft of ¾" pressure treated plywood between the studs from 1" above the floor to approximately 4' above the floor. Plywood is to be even with the face of the studding. The intension of this plywood is to provide a more robust wall in the water closet and urinal areas.
5. Provide additional blocking for partitions, vanities, water closets, urinals, gang sinks and wall accessories as necessary.
6. Provide and install up to forty nine hundred (4900) Sq Ft of 3" Deep Rock Wool insulation in wall for sound deadening in all perimeter walls in include common wet wall.
7. Provide and install approximately twenty four hundred (2400) Sq Ft of 5/8" cement board to be installed to approximately 4' AFF.
8. Provide and install approximately three thousand (3000) Sq Ft of 5/8" moisture and mold resistant sheetrock (purple). This shall extend from 4'AFF to 1' above the proposed 8' ceiling. Finish shall be Level 5.
9. Provide and install three (3) coats of paint of approximately twenty four hundred (2400) Sq Ft each of one (1) coat of primer and two (2) top coats for the walls above the tile to the ceiling. Paint shall be Sherwin Williams Pro Mar 200 Color: 221-C1 SW9136 Lullaby or approved substitute.
10. Provide and install approximately six hundred (600) LF/three hundred square (300) Sq Ft of 6" x 24" tile as a started (bottom) coarse. This tile shall selected for the best adherence of the integrated epoxy cove base.
11. Provide and install approximately of twenty four hundred (2400) Sq Ft 12"x24" solid grey porcelain tile, epoxy grout and penetrating sealer. Tile shall be installed in a 1/3 offset pattern laid horizontally. Tile shall extend from just above the starter course to approximately 4'6" AFF. Contractor shall submit tile and grout samples for approval. Tile shall be DAL Tile Unity Series Ash Grey P405 or approved substitute. Grout shall be Laticrete Spectralock 2000 IG Epoxy Grout in Smoke Grey#89 or approved substitute. Tile mortar shall conform to cement board and tile manufacturer's standards.
12. Provide and install approximately six-hundred (600) linear feet of integrated epoxy cove base. Cove base shall extend to a level line 6"AFF (covering the tile starter coarse).
13. Provide spot patching, priming and painting of any and all common walls affected by construction.
14. Provide paint preparation (cleaning and sanding to accept new paint) and painting of fifteen (15) complete (both sides) latrine entrance doors and frames. Painting shall consist of one (1) primer coat and two (2) top coats. Paint shall be Sherwin Williams Pro Mar 200 Gloss color matched to existing paint.
15. Provide and install approximately fifty (50) LF of Schluter ECK-E Heavy Duty Outside Corners in stainless steel for the tile outside corners up to 4'6" AFF to protect the tile or approved equal.
16. In the Female latrines, tile shall be excluded from being installed above backsplash height on the back wall with the mirror.
17. Provide and install approximately six hundred (600) LF of Schluter Rondec Tile Edge Trim in stainless steel on the top edge of the tile to provide a transition to the painted upper wall surface or approved substitute.

CEILING

Note:

1. Ceiling sheetrock shall be installed prior to the installation of the wall sheetrock.

2. Ceiling paint and color shall be Sherwin Williams Pro Mar 200 256-C1 SW7757 High Reflective White in Semi-Gloss.

The Contractor shall:

1. Reframe and box out ceiling as necessary to accommodate new lighting layout.
2. Provide and install approximately twenty-two hundred and thirty (2230) Sq Ft of 5/8 moisture and mold resistant sheetrock (purple). Finish shall be level 5.
3. Provide and install twenty-five (25) new trim plates for the sprinkler heads, provide and install as necessary there are approximately twenty-five in this project three (3) per male latrine and two (2) per female latrine.
4. Provide twenty two hundred and thirty (2230) Sq feet of each: one (1) coat of primer and two (2) coats of top color paint.
5. Provide and install ten (10) minimum 18”x18” hinged ceiling access panels as necessary to allow access to equipment above the ceiling one (1) in each bathroom in pre-existing locations. Access panels shall steel, prepped and painted to match the ceiling.
6. Frame out or box out ceiling as necessary to accommodate access panels, lighting, HVAC or other necessary installation items.
7. Provide and install approximately one hundred sixty square feet (160) of steel stud construction for the ceiling as necessary to close in the area formally occupied by linear lighting to provide a continuous ceiling surface to the wall.

FLOOR

- NOTE: The Sika is a built-up floor system intended to allow the floor to be sloped to the existing floor drain and to any opening transitions.

The Contractor shall:

1. Provide and install up to three hundred seventy-two (372) cubic feet of floor leveling grout such as Sika Quick 1000 or another an approved suitable substitute. This is a rapid hardening product. Floor shall be sloped to the existing floor drain and taped up to match preexisting floor height at each transition. Each unit of this product is point forty-two (.42) of a cubic foot. This is an estimated quantity based on the floor square footage at 2” deep. (CLINs 6,7)
2. Adjust floor drains as necessary to accommodate epoxy flooring system.
3. Provide and install ten (10) new stainless steel floor grates to replace existing floor drain grates.
4. Contractor shall prepare concrete floor for epoxy coating and flake per manufacturer’s recommendations.
5. Provide and install approximately twenty two hundred and thirty-one (2231) Sq Ft of coverage shall be required. Color samples to be submitted for approval. Contractor shall provide and install integrated sanitary cove as part of the epoxy installation on all walls in the latrines.
   NOTE: Contractor shall provide and install a new epoxy flooring systems in all ten (10) latrines. Color shall be “Bluestone” with the final floor finish being slip resistant for wet areas. This floor system can be installed in depths of up to three-sixteenths of an inch (3/16”). Flooring system is a multi-part-part system consisting of the following or an approved suitable substitute for:
   Sikafloor Decodur Quartz HD :

   1. Primer Coat Sikafloor 160
   2. Troweled Mortar Sikafloor 160 and 506 Aggregate
   3. Grout Coat 264 Thixo Lite
   4. Receiver Coat Sikafloor 217 and Decorative Flake
   5. Top Coat Sikafloor 217

LIGHTING, ELECTRICAL and CALL SYSTEM

NOTES:

1. Follow NFPA 101 Life Safety Code for emergency fixture requirements.
2. All concealed wiring shall be in Electrical Metallic Tubing per UFC 3-520-01.

3. Metal Clad cable shall be allowed if not concealed after construction is complete. MC shall not to be used for home runs to the electrical panel. Wiring in the common wet wall areas shall be deemed accessible.
4. Lighting color shall be 4000-4100K.

The Contractor shall:

1. Provide and install all electrical conduit, boxes and circuits necessary to provide power to the new lighting. Existing circuits shall be reused. The Contractor shall verify voltage it is speculated these fixtures are 277 volts.
2. Provide and install thirty-seven (37) 4" diameter 10-watt multi-volt LED ultra-thin down lights such as Lithonia "WF4 LED 30K40K50K MVOLT 90CRI MW M6" with hard ceiling trim/frame in kits or suitable substitute one (1) for each water closet stall. Fixture shall be centered between the side walls of each stall and centered between the end of the water closet and the stall door. Color shall be 4100K. Power shall be extended from existing lighting in the room. Cable type MC shall be allowed above the ceiling, color bands and wire color shall be of color related to lighting power source (120 vs 277). Lighting is assumed to be 277 volts in this area contractor is to verify.
3. Provide and install forty-five (45) 2'x2'Lithonia CPX LED flat panel fixtures with hard ceiling/frame in trim kits. Fixtures shall be 5000 lumen and 4100K in color. Fixtures are to be hard ceiling type. Five (5) fixtures for each male latrine (three (3) evenly down the middle of the room and one (1) centered above each sink) and three (3) fixtures for each female latrine for general lighting. Two (2) out of the five (5) fixtures in the male latrine shall always be on to provide security lighting in the center line of the room. Security lighting fixtures shall be evenly spaced in the room to provide as much illumination as possible. One (1) fixture in each female latrine shall always be on. Two (2) 1'x2' fixtures may be utilized in place of one (1) 2'x2' if ceiling lay out necessitates.
4. Provide and install fifteen (15) new 13 watt LED wall pack fixtures in wet wall areas, three (3) per wet wall area to provide illumination throughout the entire length.
5. Provide and install all electrical conduit, boxes, circuit breakers, receptacles and wiring necessary to provide power to the automatic plumbing valves. Electrical rooms are within 25lf of the latrines. Wiring concealed in the wall shall be in electrical metallic tubing size ¾ minimum.
6. Provide and install two (2) emergency LED wall mounted fixtures with battery backup for each male latrine, mounted on the short walls, for a total of ten (10) emergency LED fixtures for the male latrines. Mounting height shall be 7' AFF as measured to the bottom of the fixture. Provide fixtures bright enough to provide 1 foot candle as measured 1' AFF. Each fixture shall have a minimum of 2 heads that can be aimed.
7. Provide and install one (1) emergency LED wall mounted fixture with battery backup for each female latrine for a total of five (5) emergency LED fixtures for the female latrine. Mounting height shall be 7' AFF as measured to the bottom of the fixture. Provide fixtures bright enough to provide 1 foot candle as measured 1' AFF. Fixture shall have at least 2 heads that can be aimed.
8. Provide and install all electrical conduit, boxes, circuit breakers and wiring necessary to provide power to the emergency/exit lighting.
9. Provide and install five (5) 4' LED linear decorative vanity fixtures centered above each mirror in the female latrines. Color shall be 4000k, Wattage shall be a minimum of 24. Finish shall be chrome. Lithonia Lighting Contemporary Cylinder LED Vanity Light or suitable substitute. Vanity lighting shall be controlled by the occupancy sensor.
10. Provide and install fifteen (15) occupancy sensors with power packs for lighting, two (2) for each male latrine and one (1) for each female latrine. The occupancy sensors shall control all but the always on fixtures in each room. Dual technology sensor shall be used. Mount the sensors in areas that allow the greatest chance of activation. Occupancy sensor shall turn off the general lighting in each room after not sensing movement or noise for 30 minutes. Legrand (Watt Stopper) DT-305 or suitable substitute shall be used.
11. Reinstall ten (10) Simplex call system speakers.
12. Provide and install five (5) GFCI duplex 120 volt 20 amp receptacles in existing locations in female latrines, height may need to be field adjusted pending backsplash. Color shall be grey.

13. Provide and install five (5) GFCI duplex 120-volt 20-amp receptacles in existing locations in male latrine. Color shall be grey.
14. Provide and install ten (10) single gang decora/GFCI stainless steel wall plates.
15. Provide and install ten (10) single pole switches rated 120-277 volt 20 amps color shall be grey.
16. Provide and install ten (10) stainless steel single gang toggle covers.
17. Provide and install hinged and painted access panels if necessary to service lighting controls as needed. Access panels shall be steel hinged and painted to match the ceiling.

HVAC

The Contractor shall:

1. Provide and install fifteen (15) 24”x24” supply diffusers to be connected to the existing ductwork. Two (2) for each male latrine and one (1) for each female latrine. Diffusers shall be hard ceiling type. Provide and install all necessary duct, insulation and hardware for a complete installation. The backside of each supply diffuser shall be insulated.
2. Provide and install ten (10) return 24’”x24”grates to be connected to the existing ductwork (if present). One (1) for each male latrine and one (1) for each female latrine. Diffusers shall be of hard ceiling type. Provide and install all necessary duct, insulation and hardware for a complete installation.
3. Provide and install ten (10) 24”x24” venting grates to be connected to the existing ductwork. One (1) for each male latrine and one (1) for each female latrine. Diffusers shall be hard ceiling type. Provide and install all necessary duct, insulation and hardware for a complete installation.

PLUMBING

NOTE:

1. Provide bushing and/or grommets for all copper or PEX water feed lines installed in steel studding channels.

The Contractor shall:

1. Provide and install all necessary rough drain, vent and water feed plumbing for the new sink installations.
2. Provide and install twenty (20) plumbing clean outs and twenty (20) 6”X6” minimum size stainless steel flush mounted hinged access. Two (2) cleanouts and access panels per row of water closet in the male latrines (one nearest the sanitary stack and one near the end of the run). One (1) clean out and access panel for each female latrine (furthest from the stack). One (1) cleanout and access cover mind run for urinal wall. There shall be a total of twenty (20) clean outs and access panels in this project. Nominal sizing is 2” copper for urinal walls and 4” cast iron for water closets.
3. Provide and install ten (10) 4 gang 16-gauge stainless steel sinks in the approximate locations of the existing gang sinks in the male latrine. Sinks shall be wall mounted. Rough plumbing modifications shall be necessary to accommodate the new sinks. Each faucet shall have its own sensor to control the individual faucets. Finish shall be stainless steel. Sinks shall be Sani-Lav 58Wal-0.5 Low Flow 4 gang 16-gauge stainless steel sinks or approved substitute. Note: Sani-Lav sinks can be ordered with integral motion activated faucets. Provide stainless steel sink drains for male latrines.
4. Provide and install ten (10) stainless steel drain assemblies for female sink.
5. Re-install thirty-seven (37) water closets. Water closets shall utilize existing water closet hanger assembly. New hardware may be required for the mounting of the flange assembly and for hanging the water closet. Contractor shall verify layout, length and viability of all existing water closet hardware to include existing floor mounted assembly, replace hardware as necessary. Provide thirty-seven (37) new seals and all plumbing connections as necessary.
6. Provide and install five (5) new replacement solid surface counter tops with tubular stainless-steel supports with two (2) integral sinks each in existing location in the female latrines. Provide a matching 4” backsplash around the entire countertop wall surface approximately fifty (50) LF total. Countertop and backsplash shall be Corian or approved substitute. Color shall be pebble terrazzo or approved substitute.
7. Provide and install two (2) new motion activated faucets for each female sink. Delta Lahara Single Handle Deck Mount Faucet in stainless steel or approved substitute. There will be a total of ten (10) motion activated faucets for the female latrines. Faucets shall be permanently powered from the building. Finish shall be stainless steel. Fixtures shall be commercial grade.

8. Clean all drain lines with a powered plumbing auger (television inspection and internal pipe cleaning). Approximately two hundred fifty (250) LF of 2" cast iron and or copper pipe and three hundred seventy-five (375) LF of 4" cast iron pipe. Power auger all existing drain lines and stack down to the next cleanout on the floor below in each latrine. First floor shall be auger for 50 LF from the clean out. Provide video confirmation of all cleaned drains in CD-ROM format with each video labeled as to its location.
9. Provide and install up to sixty (60) replacement 4" no-hub "Furnco" couplings in the wastewater line for the water closets. These rubber couplings are used between each water closet floor mounted flange and are also used to extend piping. It is the intention to replace all of the rubber couplings from the closet flanges to the stack. There may be smaller or offset sizes used as indicated in the building as-builts. For proposal purposes the contractor shall use this as estimated quantities to be adjusted in the field. Couplings shall be torqued to manufactures specifications.
10. Provide and install up to one hundred fifty (150) replacement 2" no-hub "Furnco" coupling to replace all of the existing rubber coupling in the vent lines. For proposal purposes, the contractor shall use this as estimated quantities to be adjusted in the field. Couplings shall be torqued to manufactures specifications.
11. Re-install twenty-nine (29) porcelain wall hung urinals in existing locations to include all brackets and hardware to make a complete working system. Urinals shall be designed to work with a .125 GPF valve. Provide and install twenty-nine (29) new urinal seals during re-installation.
12. Provide and install thirty-seven (37) automatic 1.28 GPF valves for the water closets. Flush valves shall be AC powered. Valve shall have a manual flush capability. Finish shall be stainless steel.
13. Provide and install twenty-nine (29) automatic .125 GPF valves for the urinals. Flush valves shall be AC powered. Valve shall have a manual flush capability. Finish shall be stainless steel.
14. Provide and install plumbing insulation as necessary on all new or extended cold water feeds.

PARTITIONS

The Contractor shall:

1. Provide and submit a partition layout drawing to include all accessory mounting locations. Approval shall be required prior to ordering partitions and accessories.
2. Provide and install new solid HDPE partitions in the same layout as the previous configuration for thirty-seven (37) water closet stalls. Hardware shall be stainless. ASI Color Thru Floor Anchored Overhead Braced Partitions or suitable substitute. Color shall be Blue #9509. Contractor shall provide a partition layout drawing submittal prior to ordering partitions.
3. Provide and install twenty-nine (29) new 48" Tall HDPE partitions between each urinal and on the open end. Provide and install blocking as necessary. Partitions shall be ASI HDPE Color Thru or suitable approved substitute. Color shall be Blue #9509.

ACCESSORIES

The Contractor shall:

1. Provide and install thirty-seven (37) new plastic toilet paper holders. Mounting location to be referenced in partition layout drawing submittal. Toilet paper holders shall be plastic double jumbo roll.
2. Provide and install twenty-five (25) battery operated plastic wall mounted automatic paper towel dispensers. Four (4) dispensers shall be mounted in each male latrine, one (1) on each side of each sink. One (1) shall be mounted in each female latrine as space permits near the sink. Dispensers shall take the same roll stock as previous units. These locations shall have ¾" plywood blocking or other approved blocking preinstalled between the studs. One dispenser shall me mounted on each side of the linear sinks and each side of the women's sinks.
3. Provide and install forty (40) plastic wall mounted automatic soap dispensers. One (1) on each side of the female sinks for a total of ten (10). Three (3) shall be installed for each sink area in the male latrines between each faucet for a total of thirty (30).
4. Provide and remit twelve (12) replacement batteries for each type of battery-operated device.
5. Provide and install five (5) approximately 5'Wx4'H mirrors above the counter in each female latrine. Mirror shall be sized to fit just above the backsplash within 2" of the full width of the counter top and 12-18" below ceiling level to allow the installation of the LED fixture.

6. Provide and install five (5) approximately 2'Wx6'H mirrors in approximate pre-existing location. One (1) in each male latrine, provide spacers as necessary to accommodate the wall thickness difference between the tile and sheetrock.
7. Provide and install ten (10) stainless steel sanitary napkin receptacles. One (1) in each female stall.

Products:

All project components and materials shall be installed in accordance with the manufacturer's technical installation instructions and specifications.

APPLICABLE INSTRUCTIONS

a. Work areas around project site will be occupied by the user during the course of work day.
b. Caution must be taken to insure all safety work practices are adhered to while construction work requirements are performed within the facility.
c. Warranty equipment and all work performed for one (1) year.

D. SUBMITTALS: Refer to the Submittals, RFI's & RFV's Section (22.0) of the base contract. Minimum submittal requirements under this contract:

a. Progress/Construction Schedule AF3064
b. Activity Hazard Analysis(s)
c. Quality Control Plan
d. Contractor Certifications
e. Product Data/SDS
f. Water Closet and Urinal Partition Layout Drawing with accessories.
g. Manufacture's Equipment Cut Sheets & Instructions
h. Asbestos Survey Results
i. Environmental Protection Plan
j. Dust Mitigation Plan
k. Steel Stud Framing Plan
l. Wall Blocking Layout Plan
m. Slab Sealing Materials
n. Electrical General
o. Lighting Fixtures
p. Plumbing Fixtures
q. Plumbing General
r. Fasteners General
s. Linear Sinks and Faucets
t. Epoxy Flooring/Cove Base
u. Tile General
v. Cement Board
w. Plywood
x. Insulation
y. Automatic Soap and Paper Towel Dispensers

E. ENVIRONMENTAL: The contractor shall comply with all applicable federal (i.e. Environmental Protection Agency), state (i.e. SC DHEC), and local environmental protection laws and regulations. The contractor shall submit a project specific Environmental Protection Plan Supplement that identifies the APPLICABLE environmental impact issues (i.e. Sediment Control/Erosion Prevention, Asbestos Abatement, Special/Hazardous Waste Management, Freon/ODS Management, Oil & Hazardous Substance Spill Prevention/Response, Pesticide Use,

Lead-Based Paint Management, Wetlands & Waters of the US Protection) and describes the procedures/practices/controls that will be applied to prevent and minimize impacts. Procedures/practices/controls described in the government approved Baseline Environmental Protection Plan may be cited by reference. Sediment Control and Erosion Prevention practices (i.e. silt fence, sediment tubes, mulching, hydro-seeding, re-grassing, dewatering discharge filtering) to be applied should be shown on a site plan. All materials used in the performance of this contract shall be applied in strict accordance with manufacturer's printed label instructions and all applicable standards. The use of Class I ozone depleting substances, asbestos containing materials, and lead paints are strictly prohibited.

F. WASTE DISPOSAL/RECYCLING: Refer to the Environmental Specification Section (6.3), and the Hazardous Materials Section (55.0) of the base contract.

G. SAFETY AND HEALTH: Refer to the Safety and Health Section (41.0) of the base contract and UFGS 01-35-26.

H. OUTAGES: Refer to the Coordinating with Government Activities Section (32.0) of the base contract.

I. PERMITTING: Refer to the Permits Section (23.0) of the base contract.

J. CLOSEOUT DOCUMENTS: Refer to UFGS 01_78_00 and the requirements of the base contract sections listed below:

Warranty (27.0)
Contractor’s As-Built/Record Drawings (28.0)
Real Property Records (56.0)
Operation & Maintenance (O&M) Manuals/Data (57.0)

- End Statement of Work

Addendum 003
FA4418-22-C-0020
Repair B2400 Latrines
Statement of Work
5 December 2022

The purpose of this addendum is to address the differing site condition identified in Request for Information (RFI) #3 &4. It was identified during construction in that there was improper pitched waste piping, clogged waste lines and deteriorated piping. Request for Information (RFI) #4 identified during construction that there was no hot water available to either bathroom in the "A" school side.

Further differing site condition identified in Request for Information (RFI) #4. It was identified during construction that there was no hot water available to any bathroom in the "A" school side. Severely corroded entry doors were identified during a regular site visit. This addendum will give specific details on the adding a hot water system and replacing the entry way door for the "A" school side.

Statement of work: The work to be performed under this addendum shall consist of providing all labor, material parts, and equipment necessary to: clean, adjust or replace failed plumbing piping and valves. Remove and replace fire rated gypsum board above the ceiling. Prepare existing mortar bed for the installation of the flooring system, add a hot water system for bathrooms and replace male entry way doors for the "A" side stack under construction.

1. ADD: Contractor shall prepare existing mortar bed surface for the installation of the new epoxy floor system for the "A" school side. Any leveling compound shall be compatible with the approved epoxy floor system.

2. ADD: Contractor shall demolish and dispose of existing corroded cast iron drain lines associated with the urinal side of the male bathrooms and exposed sink drain line from the vending area to include the waste line stack for the urinals. This shall be based on estimated quantities for all urinal and vending sink area walls associated with the "A" school side of this project.

3. ADD: Contractor shall provide and install new PVC piping to replace demolished waste lines, replace with like and kind size. Contractor shall provide and install seismic bracing as necessary. This shall be based on estimated quantities for all urinal and vending area sink walls associated with the "A" school side of this project.

4. ADD: Contractor shall correct pitch in exposed areas of vending area sink waste line, female water closet waste line and horizontal runs of the urinal waste lines. This shall

be based on estimated quantities for all urinal and vending area sink walls associated with the “A” school side of this project.

5. ADD: Contractor shall clean the main sewer line from the closest point of the “A” school side stack locations to the sewer manhole that has been identified in the rear of the building. Government estimate is approximately two hundred twenty five (225) LF for the “A” school side.

6. ADD: Contractor shall supply and install three (3) new cold water ball valves to replace existing valves that do not fully close. One ball valve for every back to back bathroom in the “A” school side stack under construction. Each valve shall have a permanent tag as to its function.

7. ADD: Contractor shall demolish and dispose of 5/8” sheet rock as necessary to install new steel studs for fire rated walls above the ceiling level. This shall be estimated based on estimated quantities the “A” school side as indicated in the provided as built drawings. Estimated to be seven hundred fifty (750) square feet.

8. ADD: Contract shall supply and install 5/8” fire rated sheetrock above the ceiling as necessary to maintain the vending area and hallway 1 hour fire rating. This shall be based on estimated quantities for “A” school side. Provide all taping and joint compound as necessary to obtain a level three (3) finish for all wallboard above the ceiling level. Estimated to be seven hundred fifty (750) square feet.

9. ADD: Contractor shall supply eighty (80) soap cartridges for the soap dispensers installed in this project. Contractor shall install forty (40) of the provided cartridges. Cartridge shall be PURELL HEALTHY SOAP™ Gentle & Free Foam 1200 mL Refill for PURELL® ES6 Touch-Free Soap Dispensers SKU #6472-02.

10. ADD: Contractor shall demolish and dispose of three (3) main entry doors frames and hardware into the male bathrooms.

11. ADD: Contractor shall provide and install three (3) previously demolished entry way doors to include frame, closers , floor transitions, and any hardware. Door, frame, closers and hardware shall be replaced with like and kind. Frame has the option to be of knock-down style.

12. ADD: Contractor shall provide and install one (1) hot water recirculating system sized to supply all hot water to the male and female on the “A” school bathrooms under construction on each floor. System shall include electrical disconnecting

means, any temperature/pressure blow off valve and mixing valve as necessary by code. This system shall match the one provided for the power school side but with the additional floor.

13. ADD: Extend fifteen (15) ¾” copper cold water feeds for the urinals to accommodate new wall thickness.

- End of Addendum 003 -