BUILDING 016 BATHROOMS REMODELATION

DEPARTMENT OF THE ARMY
PUERTO RICO ARMY NATIONAL GUARD

COL CARLOS J RIVERA
ADJUTANT GENERAL

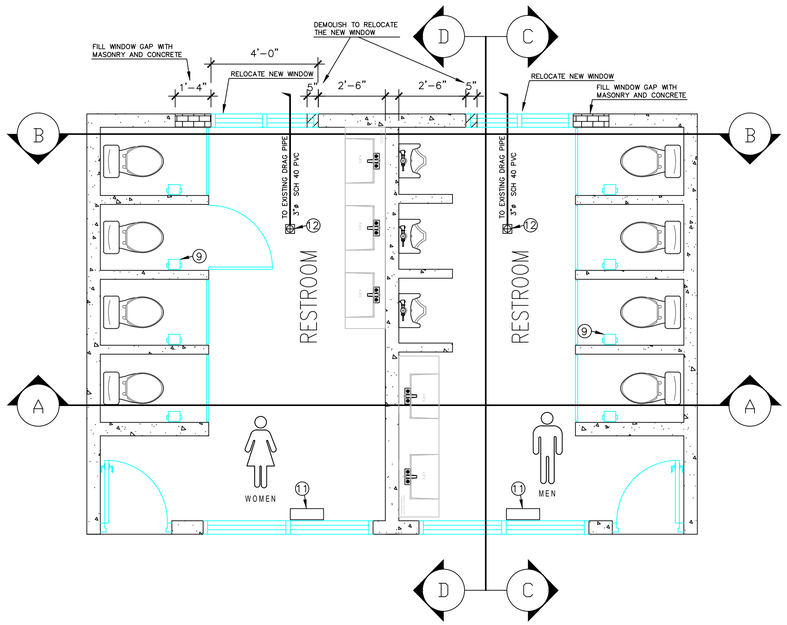
COL ARNOLD RIVERA
GARRISON COMMANDER

NUM.	DESCRIPTION	PAGE
1	TITLE	T-1
2	FLOOR PLAN	A-1
3	DETAILS & NOTES	A-2
4	TILE SPECIFICATIONS	A-3

DIRECTORATE OF ENGINEERING

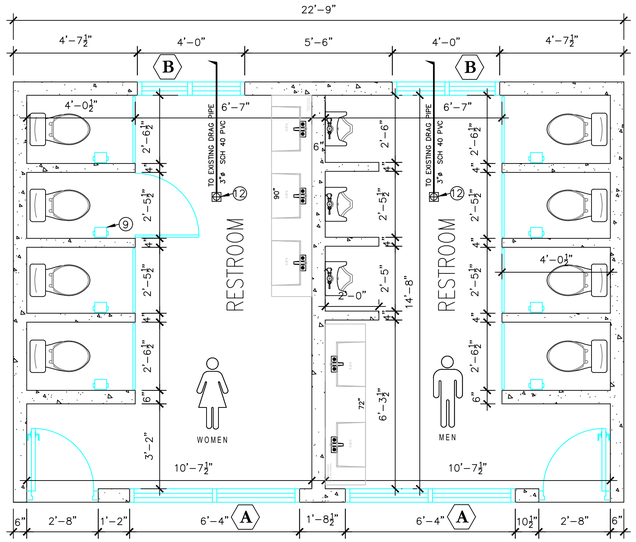
DIRECTORATE OF PUBLIC WORKS
CAMP SANTIAGO JOINT TRAINING CENTER

CPT ARMANDO CRUZ
STATE ROAD PR 1 INT. 154 KM 89.5
TEL. (787) 289-1400 EXT. 7050



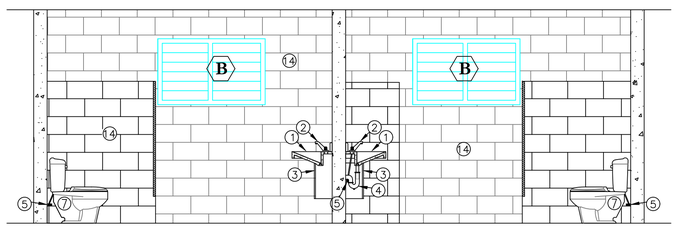
RESTROOM PLAN

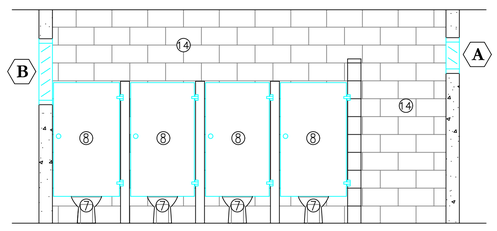
ESCALA:3/8"=1'-0"

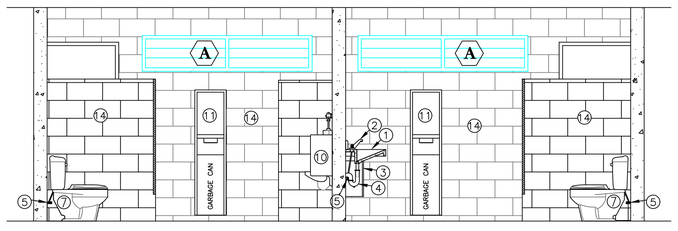


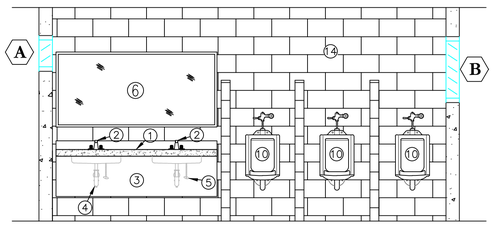
RESTROOM PLAN WITH DIMENSIONS

ESCALA:3/8"=1'-0"









LEYEND:

1. 72" CONTEMPO CONCRETE DOUBLE SINK & 90" CONTEMPO CONCRETE TRIPLE RAMP SINK. FINISH FOUNDRY. CONCRETE COLOR TO BE SELECTED BY PROJECT MANAGER. BACKSPLASH ROUNDED HEIGHT: 4" (MADE IN USA).
2. 4" CENTERSET 2-HANDLE BATHROOM FAUCET IN BRUSHED NICKEL INDUSTRIAL APPLICATION (MADE IN USA).
3. ADA PLUMBING SHIELD (MADE IN USA).
4. 1-½" P-TRAP WITH DRAIN PLUG FOR TUBULAR DRAIN APPLICATIONS, 20GA CHROME PLATED BRASS (MADE IN USA).
5. ½" PUSH-TO-CONNECT X ⅜" O.D. COMPRESSION CHROME-PLATED BRASS QUARTER-TURN ANGLE STOP VALVE WITH ⅜" O.D. COPPER FAUCET RISER IN ROUGH COPPER (MADE IN USA).
6. MIRROR B-165 SERIES B-165 4836: (72"W x 36"H) & (90"W x 36"H) & (48"W x 36"H) CHANNEL-FRAME BY BOBRICK (MADE IN USA).
7. ROUGH-IN 2-PIECE 1.6 GPF SINGLE FLUSH ELONGATED TOILET IN WHITE, SEAT INCLUDED (MADE IN USA).
8. TOILET PARTITION DOOR PHENOLIC STAINLESS STEEL HARDWARE OCCUPANCY INDICATOR LATCH (MADE IN USA).
9. PAPER HOLDER BOBRICK B-2888 FOR TOILET PAPER (MADE IN USA).
10. PINTBROOK URINAL AMERICAN STANDARD 0.125 GPF VALVE (BAA/BABAA COMPLIANT).
11. BOBRICK B-3947 ClassicSeries® PAPER TOWEL DISPENSER AND WASTE RECEPTACLE (MADE IN USA).
12. STEEL HEAVY DUTY CAST IRON BODY WITH STRAINER 5½" ROUND TILE-FLOOR DRAIN WITH P TRAP (MADE IN USA).
13. DALTILE FLOORING CALGARY ARMOR GREY (CG42), SQUARE 24"x24", STEPWISE MATE.
14. MULTITUDE URBAN GREY (MU18) WALL TILE. RECTANGLE 12"x24" WAVE, INCLUDE FINISHING PIECES (BULLNOSE, TRIM, CORNER TILE, SKIRT, ETC.).
15. CHANGE SWITCH, SWITCH COVER & CEILING LAMPS IN BOTH RESTROOM (MADE IN USA).

WINDOWS SCHEDULE				
MKD	QTY	WIDTH	HIGH	OBSERVATIONS
A	4	3'-2"	1'-4"	SECURITY LOUVER SLATS 3" ALUMINUM WINDOW
B	4	2'-0"	2'-5.5"	SECURITY LOUVER SLATS 3" ALUMINUM WINDOW

NOTE:
REMOVE EXISTING WINDOWS TO INSTALL NEW SECURITY ALUMINUM WINDOWS.

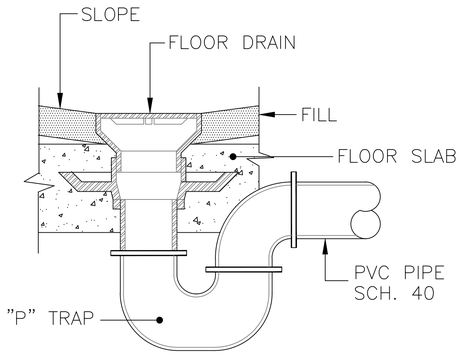
CERTIFIED:

DIRECTORATE OF ENGINEERING

PUERTO RICO ARMY NATIONAL GUARD
CALLE GENERAL ESTEVES #100, SAN JUAN PUERTO RICO 00901 - 2104
PROJECT: BUILDING 016 BATHROOMS REMODELATION
CAMP SANTIAGO, SALINAS, PUERTO RICO
SHEET TITLE: FLOOR PLAN

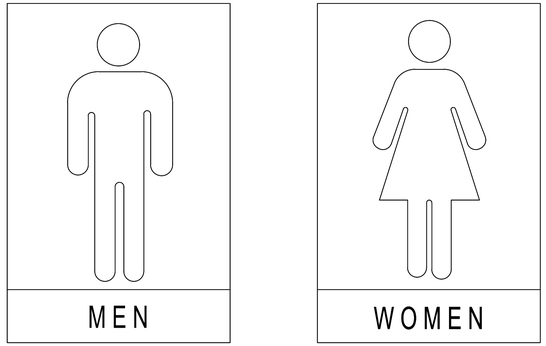
NO.	DESCRIPTION	DATE
1	REVISIONS	

DESIGN:
DRAWN: OMAR ALVARADO
SUPERVISOR: CPT ARMANDO CRUZ
DATE: 20250904 SCALE: 3/8=1'
SHEET: 2 OF TOTAL SHEETS: 4
SHEET NAME: A-1



FLOOR DRAIN DETAIL (TYP.)

N.T.S



NOTE:

9"x6"x1/8"t. PLASTIC SIGNS LOCATED AT 5'-6" FROM CENTER OF SIGN TO F.F.E.

RESTROOMS SIGNS DETAIL

N.T.S.

GENERAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE TO VERIFY EXISTING CONDITION AND IDENTIFY VISIBLE PROBLEM AREAS OR DIFFICULTIES IN ORDER TO INCLUDE ALL COSTS IN BASE BID.

2. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND EXISTING FINISH CONDITION, MATERIALS AND EQUIPMENT TO REMAIN, REPLACE OR REPAIR IF DAMAGED.

3. AFTER DEMOLITION AND / OR REMOVAL OF ANY ITEM, THE CONTRACTOR SHALL CLEAN, PATCH AND PREPARE ALL SURFACES FOR THE FINISHES SPECIFIED.

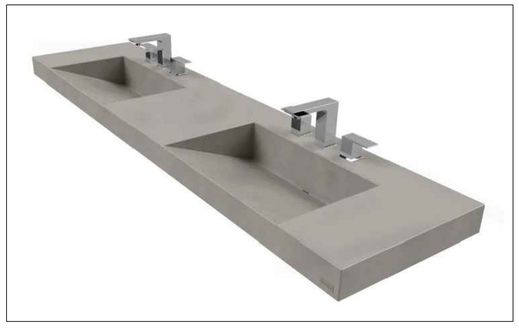
4. ALL DEMOLITION AND CONSTRUCTION WORK SHALL BE COORDINATED WITH THE OWNER IN ORDER TO PREVENT POSSIBLE CONFLICTS WITH THE OWNER'S NORMAL CONDITIONS.

5. ALL WORK SHALL BE DONE IN A THOROUGH AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS AND DRAWINGS. THE LATEST EDITION OF THE APPLICABLE CODES (FOR ANY SPECIFIC WORK) SHALL BE FOLLOWED, EXCEPT WHERE LOCAL REGULATIONS ARE MORE STRINGENT, IN WHICH CASE, LOCAL REGULATIONS SHALL GOVERN.

6. CONTRACTOR WILL REMOVE AND DISPOSE ALL DEBRIS AND GARBAGE OUT OF THE NATIONAL GUARD PROPERTY.

7. THE CONTRACTOR SHALL MAKE ALL REASONABLE EFFORTS TO RECYCLE AND RECOVER CONSTRUCTION AND DEMOLITION WASTE FROM PROJECT. A MINIMUM OF 50% BY WEIGHT, OF TOTAL PROJECT SOLID WASTE SHALL BE DIVERTED FROM THE LANDFILL IN ACCORDANCE WITH EXECUTIVE ORDER 13423 "STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY AND TRANSPORTATION MANAGEMENT" JANUARY 24, 2007

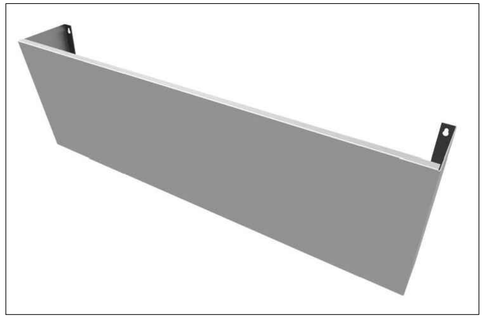
8. THE CONTRACTOR SHALL PROVIDE ON-SITE INSTRUCTIONS FOR SEPARATING, HANDLING, RECYCLING, SALVAGE, REUSE AND RETURN METHODS TO BE USED BY ALL PARTIES AT THE APPROPRIATE STAGES OF THE PROJECT. RECORDS SHALL BE MAINTAINED TO DOCUMENT THE QUANTITY OF WASTE DISPOSAL OF BY LANDFILL OR INCINERATION. THE CONTRACTOR SHALL SUBMIT THIS REPORT OF ALL NON-HAZARDOUS CONSTRUCTION AND DEMOLITION WASTE GENERATION.



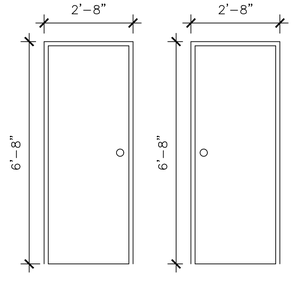
CONCRETE DOUBLE RAMP SINK



CONCRETE TRIPLE RAMP SINK



PLUMBING SHIELD



Type 1

1 3/4" Thick stiffened
Flushed Metal door Gauge 16
Honey Comb Core
Gauge 14 Steel Frame
ASTM Approved
7th Line Series Sargent
1331 Series Door Closer Sargent

CERTIFIED:

DIRECTORATE OF ENGINEERING

PUERTO RICO ARMY NATIONAL GUARD
CALLE GENERAL ESTEVES #100, SAN JUAN PUERTO RICO 00901 - 2104
PROJECT: BUILDING 016 BATHROOMS REMODELATION
CAMP SANTIAGO , SALINAS, PUERTO RICO
SHEET TITLE: DETAILS & NOTES

NO.	DESCRIPTION	DATE
	REVISIONS	
1	DESCRIPTION	DATE

DESIGN:
DRAWN: OMAR ALVARADO
SUPERVISOR: CPT ARMANDO CRUZ
DATE: 20250904
SCALE: N.T.S.
SHEET: 3 OF TOTAL SHEETS: 4
SHEET NAME: A-2

FLOOR EXAMINATION

- Examine substrates, areas, and conditions where tile will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- Verify that substrates for setting tile are firm; dry; clean; free of coatings that are incompatible with tile-setting materials, including curing compounds and other substances that contain soap, wax, oil, or silicone; and comply with flatness tolerances required by ANSI A108.01 for installations indicated.
- Verify that concrete substrates for tile floors installed with thinset mortar comply with surface finish requirements in ANSI A108.01 for installations indicated.
- Verify that surfaces that received a steel trowel finish have been mechanically scarified.
- Verify that protrusions, bumps, and ridges have been removed by sanding or grinding.
- Verify that installation of grounds, anchors, recessed frames, electrical and mechanical units of work, and similar items located in or behind tile has been completed.
- Verify that joints and cracks in tile substrates are coordinated with tile joint locations; if not coordinated, adjust joint locations in consultation with Architect.
- Proceed with installation only after unsatisfactory conditions have been corrected.

PREPARATION

- Remove all existing tiles, grout, mortar using mechanical tools until get the original building floor. Floor must be fully clean and out of external materials that can affect new tiles installation.
- Fill cracks, holes, and depressions in concrete substrates for tile floors installed with thinset mortar with trowelable leveling and patching compound specifically recommended by tile-setting material manufacturer.
- Blending: For tile exhibiting color variations, verify that tile has been factory blended and packaged so tile units taken from one package show same range of colors as those taken from other packages and match approved Samples. If not factory blended, either return to manufacturer or blend tiles at Project site before installing.

INSTALLATION OF CERAMIC TILE

- Comply with TCNA's "Handbook for Ceramic, Glass, and Stone Tile Installation" for TCNA installation methods specified in tile installation schedules. Comply with parts of the ANSI A108 series "Specifications for Installation of Ceramic Tile" that are referenced in TCNA installation methods, specified in tile installation schedules, and apply to types of setting and grouting materials used.
- **For the following installations, follow procedures in the ANSI A108 series of tile installation standards for providing 95 percent mortar coverage.**
- Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.
- Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.
- Provide manufacturer's standard trim shapes where necessary to eliminate exposed tile edges.
- Where accent tile differs in thickness from field tile, vary setting-bed thickness so that tiles are flush.

INSTALLATION OF CERAMIC TILE (Continue)

- Jointing Pattern: Lay tile in grid pattern unless otherwise indicated. Lay out tile work and center tile fields in both directions in each space or on each wall area. Lay out tile work to minimize the use of pieces that are less than half of a tile. Provide uniform joint widths unless otherwise indicated.
- For tile mounted in sheets, make joints between tile sheets same width as joints within tile sheets so joints between sheets are not apparent in finished work.
- Where adjoining tiles on floor, base, walls, or trim are specified or indicated to be same size, align joints.
- Where tiles are specified or indicated to be whole integer multiples of adjoining tiles on floor, base, walls, or trim, align joints unless otherwise indicated.
- Joint Widths: Unless otherwise indicated, install tile with the following joint widths: 1mm.
- Lay out tile wainscots to dimensions indicated or to next full tile beyond dimensions indicated.
- Expansion Joints: Provide expansion joints and other sealant-filled joints, including control, contraction, and isolation joints, where indicated. Form joints during installation of setting materials, mortar beds, and tile. Do not saw-cut joints after installing tiles.
- Where joints occur in concrete substrates, locate joints in tile surfaces directly above them.

ADJUSTING AND CLEANING

- Remove and replace tile that is damaged or that does not match adjoining tile. Provide new matching units, installed as specified and in a manner to eliminate evidence of replacement.
- Cleaning: On completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.
- Remove grout residue from tile as soon as possible.
- Clean grout smears and haze from tile according to tile and grout manufacturer's written instructions but no sooner than 10 days after installation. Use only cleaners recommended by tile and grout manufacturers and only after determining that cleaners are safe to use by testing on samples of tile and other surfaces to be cleaned. Protect metal surfaces and plumbing fixtures from effects of cleaning. Flush surfaces with clean water before and after cleaning.

PROTECTION

- Protect installed tile work with kraft paper or other heavy covering during construction period to prevent staining, damage, and wear. If recommended by tile manufacturer, apply coat of neutral protective cleaner to completed tile walls and floors.
- Prohibit foot and wheel traffic from tiled floors for at least seven days after grouting is completed.
- Before final inspection, remove protective coverings and rinse neutral protective cleaner from tile surfaces.

MATERIALS SPECIFICATIONS

TILES

- Full Body Porcelain Tile (Integral) 24” x 24”
- Contractor must provide at least 3 tiles examples before installation
- ANSI Ceramic Tile Standard: Provide tile that complies with ANSI A137.1 for types, compositions, and other characteristics indicated
- Contractor must provide Tiles Certificates
- Color: Grey
- Thickness: 4mm minimum
- Finish: Mate

Grout:

- Standard Cement Grout: ANSI A118.6
- ANSI A118.6 – flexural strength 400 psi (2,76 MPa) at 7 days
- ANSI A118.6 – compressive strength 3,000 psi (20,7 MPa) at 28 days
- ANSI A118.6 – shrinkage < 0.03% (1 day) < 0.10% (7 days)
- ANSI A118.6 – water absorption < 18% (50% relative humidity to immersion) < 20% (immersion to dry)
- Color: Beige

Tile Mortar:

- Standard Dry-Set Mortar (Thinset): ANSI A118.1.
- > 150 psi (1,03 MPa) at 28 days

CERTIFIED:

DIRECTORATE OF ENGINEERING

PUERTO RICO ARMY NATIONAL GUARD

CALLE GENERAL ESTEVES #100, SAN JUAN PUERTO RICO 00901 – 2104

PROJECT: BUILDING 016 BATHROOMS REMODELATION

CAMP SANTIAGO , SALINAS, PUERTO RICO

SHEET TITLE: TILE SPECIFICATIONS

NO. | DESCRIPTION | DATE

1 | REVISIONS | DATE

DESIGN:

DRAWN: OMAR ALVARADO

SUPERVISOR: CPT ARMANDO CRUZ

DATE: 20250904 SCALE: N.T.S.

SHEET: 4 OF TOTAL SHEETS: 4

SHEET NAME: A-3