TORCHIO ARCHITECTS

November 5, 2019

ADDENDUM NO. 1 (Rev.2)

To bidders of work titled:

Betterton Beach Bath House

Project Number: A1601.1

This addendum is intended to clarify and/or modify the bidding documents for this project.

A. General
   1. Attached is Pre-Bid Meeting sign in sheet.
   2. Additional Site visits:
      Response: Building remains open and will be available anytime for site visits during the bidding process. If access is required to the existing utility room (which is keep locked) contact Jim Wright at 410-778-7407 or jwright@kentgov.org to make arrangements.

   3. What if any are the liquidated damages?
      Response: There are no liquidated damages.

   4. What is the anticipated start date?
      Response: Anticipated award date is December 3, 2019.

   5. What is the anticipated completion date?
      Response: Desired Completion date is April 30, 2019.

B. DRAWINGS

   1. A4.1 shows active window but schedule says stationary, please clarify.
      Response: Windows shall be Stationary as indicated in the schedule.

   2. A5.1 section 1 shows STO soffit material on the end of the rafters as well as under porch where section 1 on A5.2 shows triple 3.5 invisivent. Please clarify
      Response: Certaineed triple 3.5 invisivent is to be used on all exterior soffits. The STO Quick gold is used on interior ceilings. detail 1/A5.1 will be corrected accordingly.

   3. P1.1 – Please give basis for design for shower tower.
      Response: Manufacture Shower Tower. www.showertower.com
      6 station shower: 2 body shower heads & 4 footwash heads, push button operation, head arrangement as follows:

4. Drawing Notes E2.0 note 3 to read as follows:
   3. Contractor shall disconnect and remove all branch circuits that are supporting the interior of this building footprint. Owner has requested that the pedestal power located across the street from the handicapped access which is fed from this building remain operational during construction since it controls WIFI. Contractor shall set up a subpanel as required to maintain power to this location. Contractor to coordinate phasing of demolition and construction to maintain power to the circuit powering WIFI.

C. SPECIFICATIONS – SHEET A6.1 & a6.2

1. A6.1.2 General Contractors Duties
   Revise to read:
   2. The county will pay all fees required to secure the Building Permit. The G.C. shall pay for all permits and fees required after the issuance of the building permit, including but not limited to the plumbing and electrical permits.

2. A6.1 Division 2 Termite control asks to provide treatment for termites only but asks to warrant for "carpenter ants, and other pests". The warranty is to include and or repair caused by such "pests". Can you specify what you want to be treated for specifically so we can bid accordingly? Pests is vague.
   Response: Revise to read:

   Termite Control:
   Provide soil treatment for termite control utilizing soil treatment materials which bear the federal registration number of the U.S. Environmental Protection Agency and acceptable to authorities having jurisdiction. Provide written warranty agreeing to re-treat soil and repair damage caused by termite infestation during 5 year period from date of substantial completion. Treat soil in strict compliance with National Pest control Association standards and with manufactures printed instructions and recommendations.

3. A6.1 Division 3.1- For geo tech are you looking for proctor test or cylinder test on concrete. If cylinder test are you looking for 15/30 day breaks: this affects schedule.
   Response: Geotechnical Engineer shall perform a proctor test prior concrete footing installation to verify soil bearing capacity. Contractor shall submit concrete mix design report for the record. Cylinder test is not required.

4. A6.1 Division 6 Decking please provide preferred fastening system.
   Response: the square edge board installs with deck screws (FastenMaster Trapease 3 composite screw) size and spacing as recommended by manufacture.

5. A6.1 Division 7 – Can we use a 7" exposure in lieu of 6", as it is a stock item and cost less to procure?
   Response: 7" exposure in lieu of 6" is acceptable.

6. *A6.1 Division 7 – Siding & Trims*
   a. *Siding – change to read*
      Siding: Cementitious lab siding, 5/16" smooth finish, 6" or 7" exposure, statement color to be selected by owner

7. A6.1 Division 9.10 – STO Milano, do you want optional recommended clear coat or STO Acro Plus?
   Response: See attached for changes for Board & Finish Materials Division 9.10

8. A6.1 Division 9.14 – Exterior Paint, is it the intention to paint all exterior PVC trim to include perma wrap column and Hardie Siding? Please clarify.
   Response: Perma wrap columns and PVC trims will be painted, PVC trim shall be painted. HardiPlank and HardiPanel smooth are to be ordered in owner selected colors and will not require painting a touch up kit shall be included for any required touch ups.

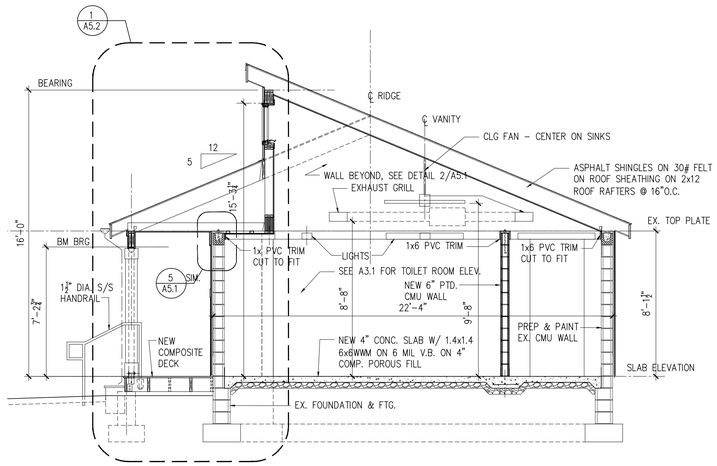
TORCHIO ARCHITECTS

Betterton Beach Bath House
Pre- Bid Meeting
Sign In.

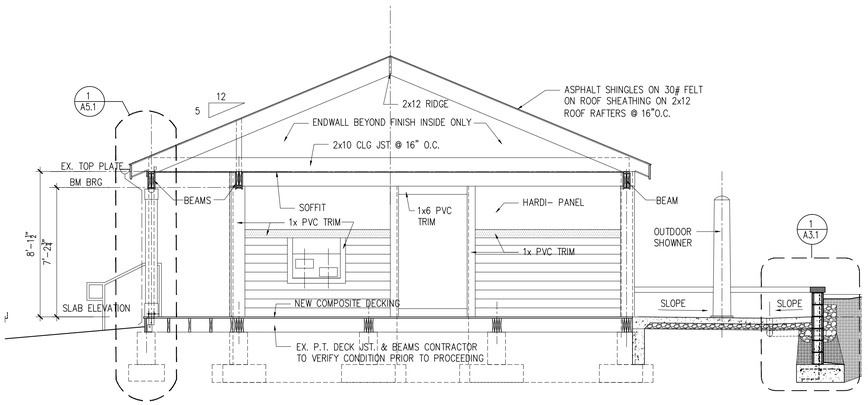
10.30.2019

Company Name & Address	Contact	Email	Phone number
Wilkerson Construction 777 E. Ross St Lancaster PA	Doug Cherry	cherrydw@wickcon.com	717-397-8282
KRM Construction 913 Washington Ave Chestertown MD 21620	Chris Holmes Brian Wood	CHolmes@krmconstruction.com	410 810 7393
[redacted]			
ACI	Mike Andrews	andrewsconce gmail.com	410-591-3202
Willow Construction 400 Maryland Ave Easton MD 21601	Joe Buckley	jbuckleye willowconstruction.com	410-822-6000
Fred Sawyer Tricon Construction Mgmt 13 King Ct., New Castle, DE, 19720	Fred Sawyer	FSawyer@Tricon Tristate.com	302-838-6560

Richard Davis I.E.C. Inc ANNAPOLIS MD	Richard Davis	rdavis@verizon.net	410-841-5174

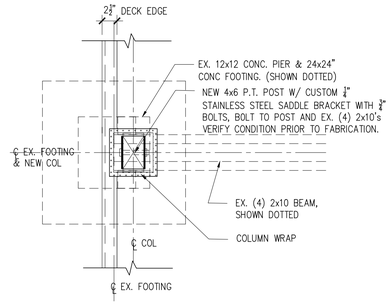


A A5.1 BUILDING SECTION
SCALE: ¼"=1'-0"

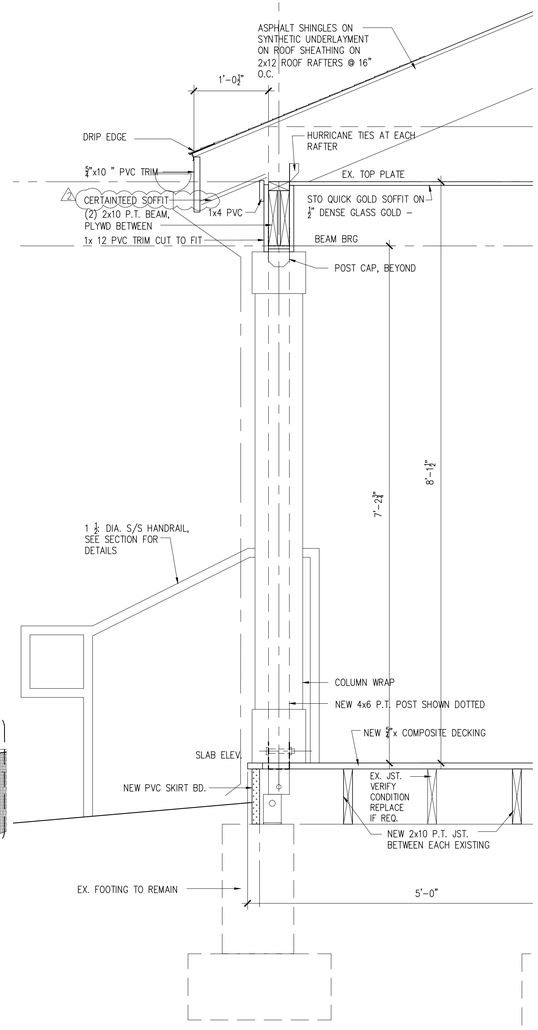


B A5.1 BUILDING SECTION
SCALE: ¼"=1'-0"

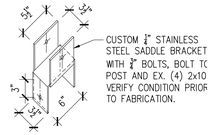
A A5.1 SECTION
SCALE: X"=1'-0"



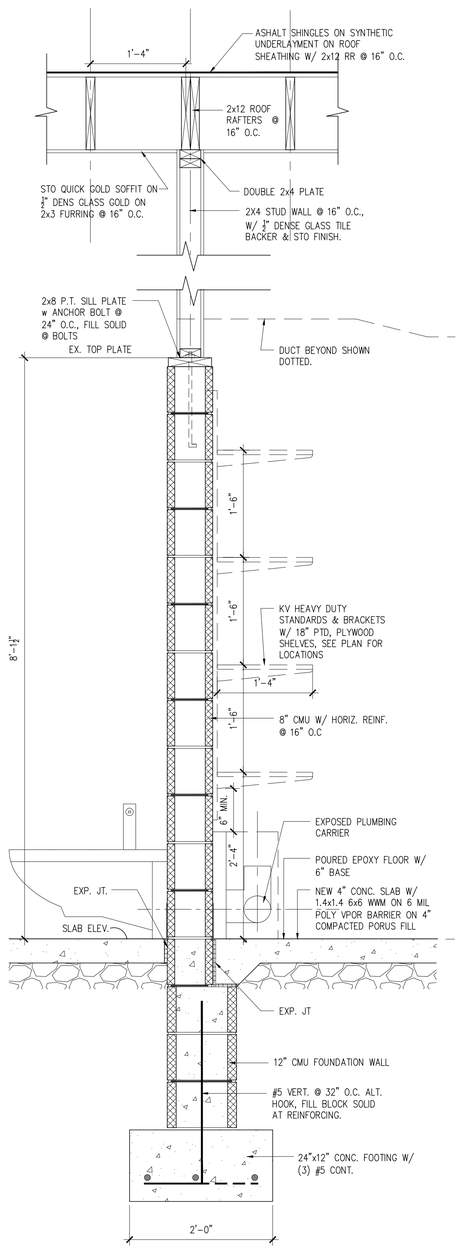
3 A5.1 PLAN DETAIL @ COL.
SCALE: 1"=1'-0"



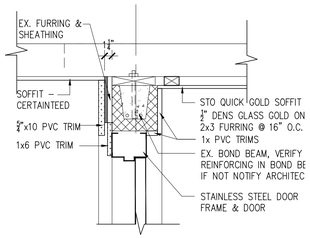
1 A5.1 WALL DETAIL
SCALE: 1"=1'-0"



4 A5.1 COL. BRACKET
SCALE: 1"=1'-0"



2 A5.1 WALL DETAIL
SCALE: 1"=1'-0"



5 A5.1 DOOR HEAD DETAIL
SCALE: 1"=1'-0"

SECTIONS

TORCHIO ARCHITECTS
205 East Water Street, Suite A
Centreville, Maryland 21617
410.758.1000

Jo Anne Baker, AIA
Vice President

I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland License Number 12117, Expiration Date 4.29.21

Project Number: A1606
Date: 9.12.2019
Revisions: 2 11.5.2019
Drawn By: JAG

BETTERTON BEACH BATHHOUSE
10 MAIN STREET
BETTERTON, MARYLAND 21610

Sheet: A5.1

DIVISION 1 GENERAL REQUIREMENTS

GENERAL CONTRACTING DUTIES

1. The General Contractor (G.C.) shall provide all labor, materials, tools, equipment and services necessary for, and reasonably incidental to, completion of the work shown on the drawings and outlined in this specification.
2. The County will pay all fees required to secure the Building Permit. The G.C. shall pay for all permits and fees required after issuance of the Building Permit, including but not limited to the Plumbing and Electrical Permits.
3. The G.C. shall coordinate the work of all Subcontractors and make certain that all work is properly installed, aligned and finished as specified and as required to properly receive the application of subsequent materials.
4. The G.C. shall be responsible for scheduling and securing all inspections required for the completion of the Work.

TEMPORARY FACILITIES

1. The G.C. shall provide temporary sanitary facilities in the quantity required for use by all construction personnel. Maintain a sanitary condition at all times.
2. The G.C. shall provide temporary electric.

USE OF PREMISES

Contractors shall keep the site clean and orderly and discard refuse in proper containers. Recycling of cardboard, glass, aluminum and steel are recommended.

SEQUENCE OF WORK

General Contractor shall provide the owner with a schedule for work.

CODE COMPLIANCE

All Contractors shall comply with codes, ordinances, rules, regulations, and other legal requirements of public authorities which bear on the performance of the work.

EXISTING CONDITIONS

All existing conditions shall be checked and verified in the field before excavation is begun. Existing utilities shall be loated and protected as required by the excavation.

MATERIAL INSTALLATION

All materials shall be installed in strict accordance with manufacturer's written instructions.

DOCUMENTS

1. The drawings provided are intended for all work anticipated in completing the project except where shop drawings are required. The specifications are scope in nature and product references are listed to establish a level of quality or to note products known to meet performance requirements. Where no product reference is noted, the Contractor shall provide a product or system best suited for the function required.
2. Contractors shall supply manufacturer's specifications, manufacturer's operating manuals, warranties and a list of all suppliers from which materials were purchased.
3. Any inconsistencies found to exist in these Drawings and Specifications shall be brought to the attention of the Architect for clarification.

CASH ALLOWANCES - none

ALTERNATES - Provide owner with a cost for each alternate listed:
Owner reserves the right to accept or reject nay alternate, in any order, and to awraed or amend the contract accordingly within sixty days of the notice of award.

Alt #1: Standing seam metal roof in lieu of asphalt shingles - see Division 7

Alt #2: Epoxy Coating at Water wall (behind toilets & urinals) to extend to to 4'-0" AFF. 6" Base all other locations. See Division 9.

DIVISION 2 SITE WORK

EXCAVATING & GRADING

1. As required for footings, utilities, curbing, walks, drives, etc.. according to the site drawings. Excavate to elevations and dimensions indicated, plus sufficient space to permit work and inspection of foundations.
2. Excavation for footings may be cut to accurate size to form trenches, and side forms omitted, if care is taken to dig clean trenches and concrete can be poured without cave-ins.
3. Backfill and grade with suitable material. Remove all other material including concrete, rubble, etc.. Provide properly graded and compacted subgrades for concrete slabs.
4. Contractor shall take care not to damage underground utilities.
5. Tamp all fill around utilities.
6. Construct exterior grades as indicated on the drawings.

BACKFILL

Contractor shall take all necessary precautions to brace walls when backfilling. Backfilling against walls shall not be permitted until supporting structural members are in place or until adequate bracing arrangements have been approved by the Architect. Care shall be taken during placement of backfill along the walls so as not to overload the walls due to heavy equipment. Only lightweight (a maximum of one ton total weight) equipment shall be permitted within the critical zone defined as beginning at the base of the wall and widening upward from the base on a 1:1 slope.

2 **TERMITE CONTROL**

Provide Soil treatment for termite control utilizing soil treatment materials which bear the Federal registration number of the U.S. Environmental Protection Agency and acceptable to authorities having jurisdiction. Provide written warranty agreeing to re-treat soil and repair damage caused by termite infestation during 5 year period from date of substantial completion. Treat soil in strict compliance with National Pest Control Association Standards and with manufacturer's printed instructions and recommendations.

LANDSCAPING

1. All trees and shrubs that are marked by the Owner to remain shall be protected from damage throughout construction. Excavation around trees and shrubs shall be minimized to limit damage to existing root systems.
2. Contractor shall seed disturbed grass areas with grass seed and mulch disturbed much areas.

PAVING & WALKS

1. General contractor shall provide all walks & conc.. pads as indicated on drawings.

EROSION & SEDIMENT CONTROL

1. Provide and install silt fence as required by the county and town.

PUBLIC SEWER & WATER

1. Existing public sewer & water to remain, reconnect as required by code and as indicated in mechanical drawings

DIVISION 3 CONCRETE

CAST-IN-PLACE CONCRETE:

2 1. The footings are designed for an assumed soil bearing capacity of 2,000 psf. The final soil bearing capacity and foundation subgrades shall be inspected and approved by a geotechnical engineer. Geotechnical engineer shall perform a proctor test prior to the concrete footing installation to verify soil bearing capacity. Footing shall bear on natural undisturbed soil, 1'-0" below original grade or on controlled structural fill. Bottom of all footings, where subject to frost action, shall be at least two feet below finish grade. Elevations shown are to top of footing. All disturbed earth under footings shall be replaced with concrete. All bearing strata shall be adequately drained before foundation concrete is placed.
2. All concrete work shall conform to the latest approved (by local government) edition of ACI 318 and ASTM C94.
2 3. Except as noted, all concrete shall have a compressive strength fc= 3000 psi at 28 days. Contractor shall submit concrete mix design report for the record. Cylinder test is not required. Concrete shall contain stone aggregate. All concrete exposed to the weather shall be air-entrained.
4. Steel reinforcing ties, stirrups and accessories may be intermediate grade steel. All other reinforcing shall be high-strength new billet deformed bars conforming to ASTM A615, grade 60. Details for reinforcing steel shall conform to ACE 318, ACI 315 (latest local approved edition) and CRSI standards.
5. Welded wire mesh (WWM) shall conform to ASTM A185 and have ends lapped one full mesh.
6. Reinforcing bars and mesh shall have minimum concrete cover as follows:
   a. Footings and other concrete poured against earth: 3"
   b. Formed concrete exposed to earth: 3"
   c. Slabs: 3/4"
   d. Interior faces of walls: 3/4"
   e. Exterior faces of walls: 3/4"
   Unless noted otherwise, slabs on grade shall have reinforcing at mid depth.
7. All splices in reinforcing shall be class "B" splices in accordance with ACI 318-02, except as noted on the drawings.
8. Expansion joint filler shall be asphalt impregnated fiberboard or felt, meeting the requirements of ASTM D1751.
9. Anchor Bolts shall conform to ASTM A307 unless noted otherwise.
10. Vapor Retarder: 6 mil polyethylene film, type as recommended for below grade application.

DIVISION 4 MASONRY

CONCRETE UNIT MASONRY -

All masonry construction and materials (concrete masonry, clay masonry, mortar, grout and steel reinforcement) shall conform to "Building Code Requirements for Masonry Structures" (ACI 530-92/ASCE 5-92/TMS 402-92) and Specifications for Masonry Structures" (ACI 530.1-92/ASCE 6-92/TMS 602-92) in all respects. Where anchors (including anchor bolts) are indicated to be grouted in cells of hollow CMU, the cell containing the anchor (or anchor bolt) shall be fully grouted as well as the cells above, below and to each side within 8" of the cell containing the anchor/anchor bolt.

1. All masonry walls shall be reinforced with No. 9 gauge truss type galvanized horizontal wall reinforcing spaced vertically at 16" on center unless noted otherwise. Lap all reinforcing 6" minimum and provide corner and tee pieces at all intersections. Provide #5 @ 32" o.c. vertical reinforcing in all masonry walls. Provide 8" x 8" bond beam reinf. w/ (2) #5 continious at all floor levels and at top of wall, including stair towers. (In non-loadbearing locations)
2. Masonry walls shall consist of standard hollow load bearing concrete masonry units (CMU) conforming to ASTM C90 unless otherwise noted. Where solid units are required, provide units conforming to ASTM C 145. Use full head joints, fill collar joints 100% solid, bond piers into walls by toothing, and bond walls to gross-walls by toothing.
   a. Outside shower area: Provide and install ground face CMU units 8" x 16" x 8" and solid cap to be cut and edges ground by manuf. as required. Color to be selected from full range of available colors. (see Division 7 for masonry sealant)
3. Unless otherwise noted, concrete masonry units shall have a minimum net area compressive strength of 1900 psi.
4. Type "S" Portland cement/lime mortar shall be used for all for all masonry. All mortar and grout shall conform to the requirements for proportions, mixing, strength, sampling, testing, and application for Portland cement/lime type "S" mortar as described in ACI 530-92.
5. All solid CMU is to be 100% solid CMU or hollow CMU with all cells filled 100% solid with pea gravel concrete with FC = 3000 psi or with grout conforming to ASTM C 476. Provide 8" depth of 100% solid masonry below all truss bearing lines, provide 16" high by 16" long 100% solid masonry below all lintels and beams unless noted otherwise.
6. Loose lintels for masonry walls shall be for each 4" width of masonry, one steel angle as follows:

Span	Angle	Precast concrete
0'- 0" to 3'- 0"	3 ½" x 3 ½" x 5/16"	4"x8" w/ 1-#3 top & bottom
3' - 1" to 5' - 0"	4" x 3 ½" x 5/16"	4"x8" w/ 1-#4 top & bottom
5' - 1" to 6' - 6"	5" x 3 ½" x 3/8"	4"x8" w/ 1-#4 top & bottom
6' - 7" to 8' - 0"	6" x 3 ½" x 3/8"	4"x8" w/ 1-#5 top & bottom

8. All angles shall have their short leg outstanding and 6" minimum bearing.
9. Provide solid block or fill wall solid with grout directly below all changes in wall thickness or construction as required to provide continuous bearing for all face shells of block.
10. Lap all vertical reinforcing 48 bar diameters minimum.
11. Bond beam lintels, where specified, are to have the same bottom reinforcing as the precast lintel specified above and are to be filled solid w/3000 psi pea gravel. Concrete reinforcing to extend to end of bearing.
12. Unless noted otherwise, provide bearing at each end of masonry lintels as follows:

Openings to 3'-0"	4" min. bearing
3'-1" to 5'-0"	6" min. bearing
Over 5'-0"	8" min. bearing

13. Mechanical openings have not been shown on the structural drawings. Provide lintels for all mechanical openings as per the schedule. Duct openings through bearing walls are to be located between the steel framing, providing 1'-0" minimum clear from edge of masonry opening to beam bearing plate..
14. All grout fill in masonry walls shall conform to ASTM C 476. Slump range 8" - 11". Place grout in 5'-0" maximum pour heights and consolidate by mechanical vibration.
15. Ducts are not to be located directly under a truss seat.
16. NOT USED: Face Brick shall conform to ASTM C216, grade SW severe weathering type for areas subject to freeze - thaw. Size shall be standard unit, 3 5/8" x 2 1/4" x 7 5/8", type and color to match exisitng. Bond pattern and mortar and joint to match existing.
17. Flashings: Flexible membrane Elvaloy Kee, 40 mil thick or approved equal.
18. Parge all exposed exterior block walls, from top of cmu wall to top of ftg.

DIVISION 5 METALS -

STRUCTURAL STEEL

1. All structural steel shall conform to ASTM A36-00 (latest local approved) "Standard Specification for Carbon Structural Steel". All steel shall be detailed, fabricated and erected in accordance with the AOSC Manual "Code of Standard Practice". All bolted connections shall be pre-tensioned.
2. All welded connections shall be made with E70XX electrodes. Shop and filed welds shall be made by approved, certified welders and shall conform to the American Welding Society AWS D1.1 "Structural Welding Code - Steel. Weld shall develop the full strength of materials being welded, unless otherwise noted.
3. All structural steel shall be shop painted with a rust inhibitive Red Oxide primer.
4. Erection of structural steel shall be inspected by qualified inspectors.

DIVISION 6 WOOD -

ROUGH CARPENTRY

1. Dimensional Lumber: Nominal sizes as indicated on drawwings.
   Stud Framing: #2 SPF and pressure treated as required.
   Joist Rafter and small beam framing (2x6 through 4x16): Machine Stress rated (MSR) as follows:
   a. Fb single base value (min. extreme fiber stress in bending): 875 psi.
   b. E (minimum modulas of elasticity): 1,300,000 psi
2. Engineered Wood:
   A. Laminated Veneer Lumber (LVL) - allowable design stresses:
   Fb = 2,800 psi Fv= 250 psi E= 2,000,000 psi
   B. Parallel Veneer Lumber (PSL) - allowable design stresses:
   Fb = 2,900 psi Fv= 290 psi E= 2,000,000 psi
   C. Laminated Structural Lumber (LSL)
   Fb = 3,000 psi Fv= 290 psi E= 2,100,000 psi

3. Exterior Sheathing:
   Wall Sheathing: 1/2" Zip System (including tape) by Huber Engineered Wood. www.huberwood.com
   Roof Sheathing: 1/2" Zip System roof sheathing by Huber Engineered Wood. www.huberwood.com, use H clips.
   Floor Sheathing: 3/4" T&G advantech floor sheathing by Huber Engineered Wood. www.huberwood.com
4. Electrical Room Mounting Panels: PS 1 A-D plywood , or medium density fiberboard; ¾ inch. thick, flame spread index of 25 or less, smoke development of 450 or less when tested in accordance with ASTM E84. Electric specification supercedes if panel is specified.

PREFABRICATED WOOD TRUSSES - NOT USED

1. Prefabricated wood truss manufacture shall provide necessary lateral bridging between truses and adjacent structural elements to insure truss stability.
2. Engineering for wood trusses shall include all components of the roof including, but not limited to outriggers, overhangs, cantilevers and gable walls.
3. The contractor shall submit shop drawings complete with erection plans to the architect. Shop drawings shall also indicate the size and capacity of all connector plates, including tie downs. Shop drawings shall also indicate the wood grade, member sizes ad web configuration of all trusses. Shop drawings shall be signed and sealed by a structural engineer licensed in the state of Maryland. Load connections must be reviewed by Architect prior to fabrication.
4. Design Loads:

Roof Loads:		Floor Loads:	
Live / Snow load:	30 psf	1st floor:	100 psf live load (lobbies & corridors)
Dead load:	10 psf		10 psf dead load
Total roof load:	40 psf		110 psf total second floor load

115% load duration, deflection limit L/360

FINISH CARPENTRY

1. Workmanship and materials are to be top quality. All trim is to be installed with tight fitting joints and properly fastened.
2. Interior Standing and Running Trim: PVC trims by Azek or approved equal as indicated on the drawings.

COUNTERTOPS

1. General Contractor shall provide and install all countertops / back splashes as indicated in drawings.
2. Submit shop drawings for review and approval prior to fabrication.
3. Solid Surface Countertop: Solid Surface Material complying with ANSI SS1, ½" thickness with plywood back up. Color to be selected from manufactures full range.
4. Back & End splashes, Skirts - made from same material as countertop, see drawings for locations.
5. Edges: square edge.
6. Brackets: Federal Brace or approved equal: 20"x2"x20" streamline stainless steel countertop bracket.

DECKING

1. Provide and install Trex Enhance Composition decking as indicated on the drawings and per manufactures recommendations.
   Type: Trex Enhance as manuf. by Trex, 1" x 5.5" (act.) square edge boards.
2 Fastners: FastenMaster Trapease 3 composite screw, size and spacing as recommended by manuf.

POST WRAPS & EXTERIOR HANDRAILS

1. General contractor shall provide and install post wraps & porch railing as indicated in the drawings.
2. Post Wraps: Manuf. - HG&B Perma wrap columns or approved equal, color white
   a. Column Wraps: Plain 8" o.s. dim. Perma wrap column. w/ std base and cap.
3. Railings : Provide and install 1 ¼" dia stainless steel handrail as indicated on drawings at new step, set walk end in concrete, deck end use a stainless steel fascia flange (J Blum #9390) to existing deck framing below deck. provide a cover flange at each location.

DIVISION 7 THERMAL & MOISTURE PROTECTION
INSULATION - not used this building is not conditioned and is winterized in the winter.

WEATHER BARRIER

1. Provide and install Hydorgap drainable house wrap and accessories by Benjamin Obdyke Inc. or approved equal. Install in accordance with manuf. recommendation including accessories required to complete the system.

WATER PROOFING

1. Provide and install waterproofing @ below grade outdoor shower as per manufactures recommendations and per drawings.
   a. Product: Barricoat -R , by carlisle corporation or approved equal.
   b. Accessories: Drainage panel - Miradrain 6000 and ¾" x 1" extruded alum. termnination bar.

MASONRY SEALANT

1. Provide and install masonry sealant on ground faced CMU at outdoor shower as per manufactures recommendations and per drawings.
   a. Product: Sure Klean Custom Masonry Sealer by Prosoco or approved equal.

SIDING & TRIMS

1. Provide and install cementitious siding - manufacture.: James Hardie or approved equal.
2 a. Siding: Cementitious lap siding, 8"(6" smooth finish, 6 or 7" exposure, prefininished Statement color to be selected by owner.
   b. Panel: HardiPanel smooth (cementitious panel), thickness .312 inch; color: Artic White
2. Provide and install PVC trim as indicated on the drawings, Azek trim or approved equal.
3. Provide and install vinyl soffit at porch and overhangs - manufacture: Certainteed or approved equal\
   a. Soffit: Perimeter triple 3 ¼" invisivent.

LOUVERS:

1. Provide and install storm class louvers as shown in drawings and per manufactures recommendations.
   a. Manufacture: Airolite or approved equal
   b. Model: SCH510, depth 5", with alum. sill pan & screen in active units.
   c. Percent of free area: 42%
   d. Finish: 3 coat fluoropolymer - kynar 500 w/ 2.0 mils thickness, Color: White
   e. Insect Screen: Provide insect screen in active louvers.
   d. Block off panel: provide as indicated in drawings @ exhaust & non-active panels, .032" alum. non-insulated panel; finish to match louver. provide gasket material as required.

ASPHALT ROOF SHINGLES: Base Bid

1. Provide and install per manufacture recommendations:
   a. Shingles: GAF Timberline Lifetime shingles or approved equal, color to be selected from full range.b.
   b. Underlayment: synthetic underlayment complying with ASTM D 6757
   c. Flexible Flashing: Self-adhering polymer- modified asphalt sheet complying with ASTM D 1970; 40 mil (1mm) total thickness; with stippable treated release paper and mineral granule top surface.
   d. Install Ice and Water Shield as manufacture by Grace, from eave of edge to min. of 4ft up-slope beyond interior face of exterior wall and in all valleys.

METAL ROOFING: ALT #1

1. Provide and install standing seam metal roof - power seam by Fabral or approved equal, install per manufactures recommendations:
   a. Panels: Powerseam 18" panels, 2 in. high, .032 smooth, aluminum panel, by Fabral or approved equal. comply with ASTM #1637, finish: tow coat flouropolymer, color to be selected by owner.
   b. High Temperature Underlayment : Sentraguard: HT-SA peal & stick per manufactures recommendation.
   c. Provide panel accessories including but not limited to closures, back plates, closer strips etc, for complete weather tight panel system.
   d. Provide flashing and trim formed from same material as metal panels to seal against weather and provide finish appearance. Locations include but are not limited to, eaves, rakes, corners, bases, framed openings, ridges, fascias, and fillers.
   e. Panel Fastners: self taping screws designed to withstand loads.
   f. Panel Sealants: provide sealant type recommended by manufacture that are compatible with panel material.s

FLASHING

1. Provide fabricated sheet metal items, including flashings, counter flashings, parapet wall coping, scuppers, gutters and downspouts as required.
2. Referenced Standards: SMACNA (ASMM) - Architectural Sheet Metal Manual 2003.
3. Submit shop drawings indicating material profile, jointing pattern, jointing details, fastening methods, flashings, termination and installation details.
4. Perform work in accordance with SMACNA Architectural Sheet Metal Manual requirements and standard details, except as otherwise indicated.
5. Materials: Pre-Finished aluminum: ASTM B 209 (ASTM B 209M); 0.032 inch thick, plain finish shop pre-coated with fluoropolymer coating of color selected by the architect.
   a. Flashing at foundation: .032" thick, color to be selected by owner / architect.
   b. Downspouts & Gutters: .032" thick alum. 6" half round & 4" round gutter. color white.
6. Accessories: Fasteners - stainless steel, with soft neoprene washers, galvanized steel cleats and accessories where not exposed to weather.

JOINT SEALANTS

1. Sealants
   a. General purpose Exterior Sealant: Urethane; ASTM C920, grade NS, class 50. Uses T, NT, M, A and O, single or multi- component. Color as selected by the Architect.
   b. General purpose Interior Sealant: Acrylic emulsion latex ASTM C 834, type OP, grade NF, single component, Paintable.
   c. Bathtub / Tile Sealant: White Silicone, ASTM C 920, Use I, M and A, single component, mildew resistant.
   d. Traffic Joint Sealant: Polyurethane, self-leveling; ASTM C 920, Grade NS, Class 25, Uses T, M, O, and A; single or multi- component.
2. Accessories:
   a. Primer: Non-staining type, recommended by sealant manufacturer to suit application.
   b. Joint Cleaner: Non-corrosive and non-staining type, recommended by sealant manufacturer; compatible with joint forming materials.
   c. Joint Backing: Round foam rod compatible with sealant; ASTM D 1056, sponge or expanded rubber oversized 30 to 50 percent larger that joint width.
   d. Bond Breaker: Pressure sensitive tape recommended by sealant manufacturer to suit application.
3. Installation:
   a. Perform all work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
   b. Perform installation in accordance with ASTM C 1193.

DIVISION 8 WINDOWS, DOORS & GLASS

WINDOWS

1. Furnish and install Andersen A series windows per manufactures recommendations - see window schedule for details.

DOORS

1. Furnish and install doors per manufactures recommendations
2. Exterior Stainless Steel Doors:
   a. Door type: stainless steel doors by Deronde, CECO or approved equal.
   b. Material: min. 16 guage, stainless steel type 316, 1 ¾" thick
   c. Finish: Brushed Stainless Steel # 2B
3. Stainless Steel Frames:
   a. Material: Welded type, 16 gauge, type 316 alloy
   b. Accessories: door silencers
   c. Finish: brushed stainless steel #2B
4. See hardware schedule for door hardware.

ACCESS DOOR

1. Furnish and install access door per manufactures recommendations, Manufacture: Acudor products www.acudor.com
   a. Model: UF5000, Stainless steel wall access, nominal 16" x 24" with rim cylinder lock.

COMMERCIAL DOOR HARDWARE:

1. Provide hardware as specified. Hardware supplier shall submit a complete hardware schedule for review and approval by Architect/Owner prior to ordering hardware.
2. Install the work of this section in strict accordance with the manufacture's recommendations. Firmly attach all hardware in position, square, plumb straight and true.
3. Door hardware shall meet ADA Guidelines and requirements of CABO/ANSI A117.1-1992.
4. Locks, if provided, shall not require the use of a key, tool, special knowledge or effort from inside the building.

PRODUCTS AND MATERIALS (provide as indicated or approved equal)

1. Hinges: Stanley or approved equal - stainless steel
2. Locksets: Yale cylindrical lockset, 5300 series PB lever, review keying with owner,
3. Wall / Floor Stops: Rockwood Manufacturing Co. or approved equal,
4. Closers: Norton or approved equal
5. Threshold: Pemko - H/C. threshold (½" max. height)

SEE SHEET A3.1 FOR DOOR HARDWARE.

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Vice President

I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland License Number 12117, Expiration Date 4.29.21

Project Number: A1606

Date: 9.12.2019

Revisions: 2 11.5.2019

Drawn By: JAG

BETTERTON BEACH BATHHOUSE
10 MAIN STREET
BETTERTON, MARYLAND 21610

SPECIFICATIONS

Sheet: A6.1

DIVISION 9 FINISHES

GYPSUM BOARD ASSEMBLIES

1. Contractor shall supply all materials and labor required to install gypsum drywall.
2. Unless noted otherwise, gypsum drywall shall be 1/2" thick. Surface sheets shall have the long edge tapered for joint reinforcement.
3. Furnish and install moisture resistant gypsum board where called for on drawings.
4. Fasteners shall be bugle head screws and gypsum drywall adhesive and shall conform to gypsum board manufacturer's recommendations.
5. Joint compound shall be made by the gypsum drywall manufacturer. Joints shall be finished in accordance with manufacturer's recommendations. Final sanding shall result in a surface free of burring and ready for finish painting.
6. Metal trim shall be applied at all corners. "L" bead shall be applied when gypsum board abuts another material. "J" bead is not acceptable and shall not be used.
7. Drywall Contractor shall clean joint compound out of all electrical boxes.
8. Orderly work conditions are required. This shall mean daily clean up, proper storage of materials, supplies, tools, scaffolding, ladders and suitable protection of finished work.
9. Drywall Contractor shall point up after prime paint coat has been applied to drywall surfaces.
10. BOARD & FINISH MATERIALS:
    a. Manufacturer: National gypsum, USG Corporation, Georgia-Pacific Gypsum LLC or approved equal.
    b. Ceilings: Provide and install ceiling system per manufacutures instructions.
        1. Product: Sto Quick Finish System for soffits and Ceilings by Sto Corporation or approved equal.
            a. Finish: Stolit - Milano smooth finish (option 2 application instructions) - high performance decorative and protective acrylic-based textured wall finish with integral color including Acro flat, complies with SCAQMD Rule 1113 for architectural finishes.
            b. Primer: Sto Primer - acrylic based sanded primer, complies with SCAQMD rule 1113 for primers
            c. BaseCoat: Sto BTS Plus - one component polymer modified portland cement high build base coat.
            d. Surface Reinforcement: Sto Mesh: - nominal 4.5 oz/yd2 (153 g/m2) glass fiber reinforcing mesh treated for compatibility with Sto Materials.
            e. Interior wall board ceilings:
                i. DensShield Tile Backer as manufactured by Georgia Pacific.
                ii. PermaBase Brand Cement Board as manufactured by National Gypsum.
    c. Interior walls: Provide finish system for interior pool room walls over compatable interior wall board substrates specially designed for pool room applications. Sto Interior Finish System for Pools. Provide and install per manufactures instructions.
        1. System: Sto Interior Finish System for Pools, as manufactured by Sto Corporation, or approved equal.
            a. Finish: Stolit - Milano smooth finish (option 2 application instructions) - high performance decorative and protective acrylic-based textured wall finish with integral color, including Acro flat, complies with SCAQMD Rule 1113 for architectural finishes.
            b. Primer: Sto Primer - acrylic based sanded primer, complies with SCAQMD rule 1113 for primers
            c. Waterproof base coat - Sto Flexyl - one component acrylic-based additive combined with portland cement, complies with SCAQMD Rule 1113 for waterproofing sealers.
            d. Surface Reinforcement - Stoe Mesh - nominal 4.5 oz/yd2 (153 g/m2) glass fiber reinforcing mesh treated for compatibility with Sto Materials.
            e. Interior Pool Room Wallboard:
                i. DensShield Tile Backer as manufactured by Georgia Pacific.
                ii. PermaBase Brand Cement Board as manufactured by National Gypsum.

FLOORING

1. All flooring shall be installed per manufacturer's recommendations and in such a manner that assures a top quality job.
2. Flooring sub surfaces shall be inspected and be accepted by flooring subcontractor prior to flooring material being installed. Prepare substrate as required.
3. Polymer Flooring and Base:
    a. Manufacture: Florock Polymer Flooring Systems or approved equal.
    b. Product: Flora Quartz BC - Epoxy - Colored Quartz ⅛" (0.125 mm) Double Broadcast flooring system or approved equal.
    c. Tests & Inspections: The following test shall be performed by the applicator and recorded during the application to submit to the architect / owner:
        i. Temperature during installation Air & Substrate and Dew Point.
        ii. Test Slab for MVT, in slabs that exceed the maximum test results contact your florock representatives for options.
            a. Acceptable Test methods for MVT -
                1. Moisture testing using Calcium Chloride test method: perform a quantative anhydrous calcium chloride test in accordance with ASTM F1869 Standard. 3 pounds per 1,000 sf per 24 hr is the max. acceptable result for this test method.
                2. Moisture testing using Relative Humidity test method: Perform a quantitative Relative Humidity test in accordance with ASTM F2170 Standard. 75% is the maximum acceptable result for this test method.
    d. Materials:
        i. Primer - 100% reactive, epoxy based, penetrating primer taht exhibits chemical resistance: Florock Floropoxy 4700 epoxy Primer.
        ii. Basecoats - (2) base coats consisting of a tough, impact resistant 100% solids epoxy coating approriate for accepting broadcast aggregate: Florock Floropoxy 4805.
        iii. Boardcast - Broadcast BC grade colored quartz aggregate to the point of rejection into the first wet basecoat. repeat the broadcast into a second basecoat application: Florock FloroQuartz BC Aggregate. Owner to select quatz aggregate color from full range.
        iv. Grout coat - Apply grout coat wit a flat swueegee, then backroll, using a clear 100% solids chemical and UV resistant epoxy. If no additional finish coats are to be used, apply a second grout coat: Florock Floropoxy 4805.
        v. Top Coat: Apply 1 topcoat of high perrmformance, color-stable, chemical resistant urethane to enhance the abrasion and chemical resistance of the flooring system. Florock Florethane CR, FloroWear 7100, or Florthane MC.
    e. Warranty: 1 year material and installation warranty.
    f. Base: 6" base shall be provided.
    g. Add Alternate No 2: Provide Epoxy wall finish to extend to 4'-0" AFF behind water wall (toilets and urninals only)
        i. Product: Floropoxy 4865 - 2 coats installed per manufactures instructions.

ACOUSTICAL CEILINGS - NOT USED

1. All ceilings shall be installed per manufacture's recommendations and in such a manner that assures a top quality job.
2. Products:
    a. Acoustical Tiles: Not used
    b. Suspension System: Not used

PAINT

1. All painting shall be done according to the paint manufacturer's recommendations and in such a manner that assures a top quality job.
2. Painting Contractor shall furnish all materials and labor required to paint all walls, doors windows and trim.
3. All drywall surfaces shall be inspected after prime coat application. Painting Contractor shall pencil out areas that require repointing and notify the General Contractor.
4. Remove all surface contaminants by washing with an appropriate cleaner. Joint compound shall be cured and sanded smooth. Remove all sanding dust. Water stains shall be sealed with Promar 200 Alkyd Undercover.
5. Painting Contractor shall be responsible for maintaining a contaminant free environment during painting operations.
6. Painting Contractor shall be responsible for puttying all woodwork.
7. Protect all surfaces not receiving paint and remove all masking and glue residue at the conclusion of the work.
8. Application shall be by quality synthetic brush, roller with 1/4" to 3/4" nap cover or 2,000 psi airless sprayer with a .017" to .021" tip.
9. Sand as required with 100 grit maximum sandpaper between each coat of paint.
10. Paint all metal surfaces in accordance with paint manufacturer's recommendation. Special attention shall be given to surface preparation and type of paint to be used.
11. Manufacturers:
    a. Paints:
        1. Base Manufacturer: Sherwin Williams, www.sherwin-williams.com.
        2. ICI Paints: www.icipaintsinna.com
        3. Benjamin Moore & Co: www.benjaminmoore.com
    b. Transparent finishes:
        1. Base Manufacturer: Sherwin Williams, www.sherwin-williams.com
12. Paints and Coatings - General:
    a. Volatile Organic Compound (VOC) Content:
        1. Provide coatings that comply with the most stringent requirements specified in the following:
            a. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings.
        b. Green Seal Standard - GS-11 Paints and Coatings, 2008
            1. Opaque, flat: 50 g/L, max.
            2. Opaque, Nonflat: 100 g/L, Max
            3. Opaque, Primer or Undercoat 100 g/L, max.
        c. Green Seal Standard -GS-03 Anti-Corrosive Paints, 1997
            1. Anti-Corrosive Coating, 250 g/L, Max.
            2. Opaque, High Gloss: 150 g/L, Max.
            d. South Coast Air Quality Management District, (SCAQMD), Rule 1113, Architectural Coatings, 2004.
        a. Clear Wood Finishes: Varnish 350 g/L, max, Lacquer 550 g/l max
        b. Floor coatings: 100 g/L, Max.
        c. Sealers: Waterproofing sealers 250 g/L; sanding sealers 275 g/L; all other sealers 200 g/L/
        d. Shellac: Clear 730 g/L; pigmented 550 g/L.
        e. Stains: 250 g/L
        e. Architectural coatings VOC limits of State in which the project is located.
    2. Determination of VOC Content: Testing and calculation in accordance with 40 CRF 59, subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.
    c. Chemical Content: The following compounds are prohibited:
        1. Aromatic Compounds: In excess of 1.0 percent by weight of total aromatic compounds (hydrocarbon confounds containing one or more benzene rings).
        2. Acrolein acrylonitrile, antimony, benzene, butyl genzyl phthalate, cadmium, ki (2-ethylhexyl) phthalate, di-n-gutyl phthalate, di-n-octyl phthalate, 1,2-dichlorobenzene, diethyl phthalate, dimethyl phthalate, ethylbenzene, formaldehyde, hexavalent chromium, isophorone, lead, mercury, methyl ethyl ketone, methyl isobutyl ketone, methylene chloride, naphthalene, toluene (methylbenzene), 1,1,1-trichloroethane, vinyl chloride.
    d. Colors to be selected from manufactures full range of avalible colors. Selections to be made by the owner.

13. SURFACE PREPARATION

Block (Cinder & Concrete) - Remove all loose mortar and foreign material. surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 30 days at 75 degrees F. The PH o fthe surface should be between 6 and 9, unless the products to be used are designed to be used in high ph environments such as loxon. On tilt-up and poured in place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a patching compound such as ConSeal.

Previously Coated Surfaces - Maintenance painting will frequently not permit or require complete removal of all old coatings prior to repainting. However, all surface contamination such as oil, grease, loose paint, mill scale, dirt, foreign matter, rust, mold, mildew, mortar, efflorescence and sealers must be removed to assure sound bonding to the tightly adhering old paint. Glossy surfaces of old paint films must be clean and dull before repainting. Thorough washing with an abrasive cleanser will clean and dull in one operation or wash thoroughly and dull by sanding. Spot prime any bare areas with an appropriate primer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system. Check for compatibility by applying a test patch of the recommended coating system, ocovering at least 2 to 3 square feet. Allow to dry one week before testing adhesion per ASTM D3359. If the coating system is imcompatible, compete removal is required.

14. PAINT SYSTEMS - INTERIOR

Wood, Opaque, Latex, 3 Coat:	1 coat of Latex primer sealer; Progreen 200 Primer Semi-gloss: Two coats of latex enamel: Progreen 200
Wood, Transparent, Varnish, Stain	One coat or two coats stain; Product to be determined Satin: Two Coats of varnish: Wood Classics Waterborne Polyurethane
Existing Previously Painted Concrete Block (CMU)	Primer: B51W00150 - Ex BOND PRM WH Intermediate Coat: K46W00151 Pro Industrial PreCatalyzed Waterbased Semi- Gloss Epoxy FinishCoat: K46W00151 Pro Industrial PreCatalyzed Waterbased Semi-Gloss Epoxy
New Concrete Block (CMU)	Primer: B42w00046 - Heavy Duty Block Filler White Intermediate Coat: K46W00151 Pro Industrial PreCatalyzed Waterbased Semi- Gloss Epoxy FinishCoat: K46W00151 Pro Industrial PreCatalyzed Waterbased Semi-Gloss Epoxy
Ferrous Metals (unprimed) Latex, 3 coats	One coat of latex primer. Pro-Cryl Universal Primer, B-66-310 series Semi-gloss: Two coats latex enamel: ProClassic Waterborne Acrylic Semi-Gloss.
Ferrous Metals (primed) Latex, 2 coats	Touch up with latex primer. Pro-Cryl Universal Primer, B-66-310- series. Semi-Gloss: Two coats of latex enamel; ProClassic Waterborne Acrylic Semi-gloss.
Gypsum Board / Plaster, Latex, 2 coat: (Not Used)	One Coat of Progreen 200 Latex primer sealer Eggshell: For walls where scheduled, two coats of latex enamel; Progreen Flat: for ceilings where scheduled, two coats of latex paint; Progreen 200.
Gypsum Board / Plaster, Latex-Acrylic, 2 coat (Not Used)	Semi-Gloss; One coat of latex-acrylic enamel Eggshell: One coat of latex-acrylic enamel.

EXTERIOR PAINT

PVC Trim, Polymer Composites and Wood, Opaque Latex, 2 coats
One Cost of latex primer sealer, wood only.
Satin Gloss: two coats; S-W Super Paint Binyl Safe Exterior Latex Acrylic Satin, A89 Series.

Ferrous Metals (unprimed):	1 coat rust inhibiting primer; Pro-Cryl Universal Primer, B-66-310
Ferrous Metals, (primed)	Touch up with rust-inhibitive primer recommended by top coat manuf. Semi-gloss: Two coats of latex enamel; ProClassic Waterborne Acrylic Semi-Gloss.

DIVISION 10 SPECIALTIES

TOILET ACCESSORIES

1. General Contractor shall provide and install toilet and bath accessories as indicated on the drawings. Blocking shall be installed as required.

TOILET PARTITIONS

1. General Contractor shall provide and install toilet partitions and urinal screens as indicated on the drawings and per manufactures requirements.
    A. Material: 1" thick High Density Polyethylene (HDPE) - Bradmar Solid pastic , series700 by Bradley Corp. or approved equal.
    B. Hinges: Continuous Stainless Steel Spring loaded hinges.
    C. Floor mounted with Overhead bracing - Anodized aluminum headrail
    D. Wall brackets - Continuous Stainless Steel,
    E. Hardware: Stainless Steel
    F. Color: Owner to select from full range of colors.

INTERIOR SIGNAGE

1. Provide and Install ADA compliant interior signage as indicted below and on drawings.
    A. Manufacture: Best Sign Systems (www.bestsigns.com) or approved equal.
    B. Description: 6" x 8" x ⅛" thick, MP plastic with ADA compliant copy and Braile, color to be selected by owner.
        Type PC368 @ Rooms # 104 (women's) & PC387 @ Room 101 (men's)

FIRE EXTINGUISHERS:

1. Provide and install fire extinguishers per NFPA 10 and applicable code.

SHELVING:

1. Provide and install standards, brackets and shelving as indicated below and on drawings.
    A. Product: 87/ 187 Super Duty heavy Stainless Steel Standards and Bracket System by Knapt & Vogt
        i. Lock Lever Brackets - 16" model # 187ll SS 16
        ii. Standards - model 87 SS 72, size 72"
        iii. Shelving: Melamine white shelving 15.75" wide, lengths as required.

TORCHIO ARCHITECTS
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Jo Anne Baker, AIA
Vice President

I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland License Number 12117, Expiration Date 4.29.21

Project Number: A1606

Date: 9.12.2019

Revisions: 2 11.5.2019

Drawn By: JAG

BETTERTON BEACH BATHHOUSE
10 MAUN STREET
BETTERTON, MARYLAND 21610

SPECIFICATIONS

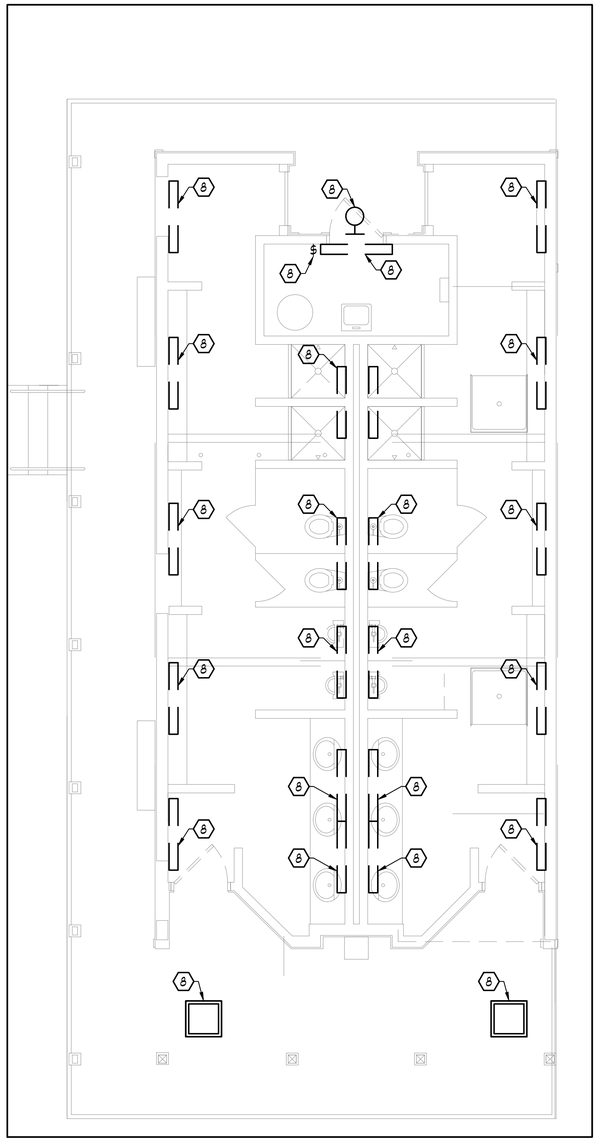
Sheet: A6.2

GENERAL NOTES:

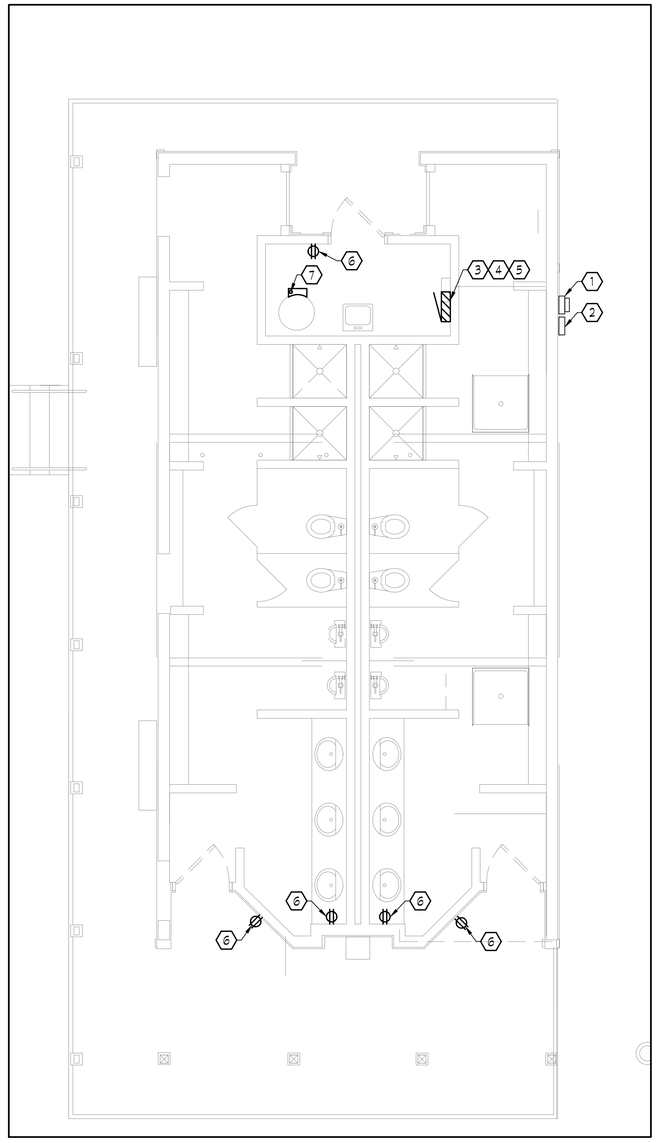
A. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS FOR DEMOLITION AS WELL.

DRAWING NOTES:

1. EXISTING INCOMING ELECTRICAL SERVICE METER SHALL REMAIN.
2. EXISTING MAIN BREAKER FOR A MEANS OF DISCONNECTION FOR INCOMING ELECTRICAL SERVICE SHALL REMAIN.
2 3. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL BRANCH CIRCUITS THAT ARE SUPPORTING THE INTERIOR OF THIS BUILDING'S FOOTPRINT. OWNER HAS REQUESTED THAT THE PEDESTAL POWER LOCATED ACROSS THE STREET FROM THE HANDICAPPED ACCESS WHICH IS FED FROM THIS BUILDING REMAIN OPERATIONAL DURING CONSTRUCTION SINCE IT CONTROLS WIFI. CONTRACTOR SHALL SET UP A SUBPANEL AS REQUIRED TO MAINTAIN POWER TO THIS LOCATION. CONTRACTOR TO COORDINATE PHASING OF DEMOLITION AND CONSTRUCTION TO MAINTAIN POWER TO THE CIRCUIT POWERING WIFI.
4. CONTRACTOR SHALL INTERCEPT AND EXTEND EXISTING CIRCUITS TO THE NEW BRANCH PANEL LOCATED IN THE STORAGE ROOM 103 THAT ARE SUPPORTING DEVICES, EQUIPMENT, LIGHTS, ETC. OUTSIDE OF THE BUILDING'S FOOTPRINT. CONTRACTOR SHALL MATCH EXISTING WIRE SIZE,TYPE AND CONDUIT OF THE EXISTING CIRCUITS THAT ARE BEING EXTENDED. SOME EXISTING CIRCUITS/CONDUITS THAT ARE REMAINING IS UNDER THE EXISTING SLAB, SLAB IS BEING REMOVED.
5. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING BRANCH PANEL.
6. CONTRACTOR SHALL DISCONNECT AND REMOVE DEVICE AND ASSOCIATED WIRING AND CONDUIT BACK TO THE POINT OF ORIGIN.
7.CONTRACTOR SHALL DISCONNECT AND REMOVE HOT WATER HEATER AND ASSOCIATED WIRING AND CONDUIT BACK TO THE POINT OF ORIGIN.
8. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL LIGHTING FIXTURES, WIRING,CONDUITS AND ASSOCIATED CONTROLS BACK TO THE POINT OF ORIGIN.



1 E2.0 LIGHTING DEMOLITION FLOOR PLAN
1/4" = 1' - 0"



2 E2.0 POWER DEMOLITION FLOOR PLAN
1/4" = 1' - 0"

N

1" 0 2' 4' 6' 8'
GRAPHIC SCALE 1/4" = 1'-0"

ELECTRICAL DEMOLITION FLOOR PLANS

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410.758.1000 fax 410.758.1002

Allen & Shariff DESIGN | BUILD | MANAGE
Allen & Shariff Engineering, LLC
1102 S Dupont Hwy
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Dover, Delaware 19901
Tel: 302.213.1000

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: 30745
EXPIRATION DATE: 06/29/2020

Project Number: #####
Date: 09/12/19
Revisions:
1 CODE UPDATE 09/12/19
2 BID COMMENTS 11/05/19
Drawn By: JD

BETTERTON BEACH BATHHOUSE
10 MAIN STREET
BETTERTON, MARYLAND 21610

Sheet: E2.0