



**CITY OF ROCKVILLE
ROCKVILLE, MARYLAND**

ADDENDUM #3

INVITATION FOR BID NO. 12-19

**ROCKVILLE SWIM AND FITNESS CENTER:
LOCKER ROOM AND LOBBY RENOVATIONS**

ATTENTION ALL BIDDERS: This addendum is issued to clarify, add to, delete from, correct and/or change the bid documents to the extent indicated and is hereby made a part of the said bid documents. Bidders are required to acknowledge receipt of the addendum by signing in the appropriate space below. Failure to do so may subject your quote to disqualification. The addendum may also be downloaded from the City's website at: www.rockvillemd.gov.

The attached responses/clarifications/edits from architect Proffitt & Associates reflect inquiries received during the question period, ending Friday, November 30, 2018 at 5PM ET. There are 17 pages following this cover page.

Please note that the Procurement office at City Hall (111 Maryland Avenue, Rockville, MD 20850) has moved from the 2nd floor to the 1st floor (ground floor). There are signs posted reflecting this change. Any reference within the bid documents to the City of Rockville Procurement Office's location should be corrected to reflect the new office location on the 1st floor.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.

ISSUED BY: PAT RYAN, PRINCIPAL BUYER, 12/04/2018

ACKNOWLEDGE RECEIPT OF ADDENDUM NO. 3 BY SIGNING BELOW AND RETURNING A COPY OF THE ADDENDUM WITH YOUR PROPOSAL OR ACKNOWLEDGING IN YOUR PROPOSAL.

NAME OF BIDDER: _____

BID DUE DATE: (UNCHANGED): 2PM, FRIDAY, DECEMBER 14, 2018



ADDENDUM NO. 3

**To Drawings and Specifications for
Locker Room and Lobby Renovations for
Rockville Swim and Fitness Center**

City of Rockville

IFB #12-19

04 December 2018

INTRODUCTION:

This Addendum is issued for the purposes of amending the requirements of the drawings and specifications dated October 29, 2018, and is made a part of the Bidding Documents to the same extent as though it was included therein.

PREVIOUS ADDENDA:

Addendum No. 1 and Addendum No. 2

INDEX:

- A. SPECIFICATIONS
- B. CIVIL DRAWINGS
- C. ARCHITECTURAL DRAWINGS
- D. ELECTRICAL DRAWINGS

ATTACHMENTS:

- Revised specification section 08 41 13 Aluminum Entrances and Storefronts
- New specification section 10 56 13 Metal Storage Shelving
- Revised Sheet A8.1, dated 12-03-2018

A. SPECIFICATIONS:

1. TABLE OF CONTENTS:

ADD - Under Division 10, **ADD Specification Section 10 56 13 – Metal Storage Shelving** to the Table of Contents.

2. **SECTION 07 27 26 – VAPOR PERMEABLE AIR BARRIER:**

ADD - Under item 2.1, A, 1. Acceptable Manufacturers, **ADD** item d. to read “**d. BASF MasterSeal AWB 660**”. **Note that MasterSeal AWB 600 FL block filler must be included as part of this system.**

3. **SECTION 08 41 13 – ALUMINUM ENTRANCES AND STOREFRONTS:**

REPLACE - REMOVE the original specification section 08 41 13 and **REPLACE** it with the attached revised version. Modifications have been made in **red** text throughout.

4. **SECTION 08 42 29 – SLIDING AUTOMATIC ENTRANCES:**

ADD - In item 2.1, A. Manufacturer, **ADD “record-usa, Series 5100”** as an acceptable manufacturer.

REVISE - In item 2.3, A., 9. Glass, **REVISE** item a. to read as follows “**a. Glazing Sliding Panels and Sidelite Panels: 1/4” tempered glass at interior applications and 1” insulated glass at exterior applications. Exterior units must meet the prescriptive requirements of the International Energy Conservation Code, 2015 Version, U factor 0.77 maximum.**”

REVISE - Under item 2.8 Aluminum Finishes, **REVISE** item B to read “**B. 70% Kynar 500 FSF resin coating meeting AAMA 2605, provide custom color as required to match aluminum storefront framing and windows.**”

5. **SECTION 08 71 00 – DOOR HARDWARE:**

ADD - Under item 2.10, I. Acceptable Manufacturers, **ADD** item 3. to read as follows “**3. Record-usa, Series 8100.**”

ADD - Under item 2.0 Products, **ADD** the following:

“2.16 Access Control Cylindrical Lock

A. Stand-alone access control cylindrical locks shall be KP10G77 as manufactured by SARGENT Manufacturing Company, New Haven, CT, or equal by Yale or Corbin-Russwin.

B. Provide cylindrical lock series and function where specified in hardware groups, with the provisions below.

- 1. Cylinders: Provide SARGENT Signature Series cylinders.**
- 2. Backsets: 2-3/4 inches.**
- 3. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf.**

C. Locks shall meet ANSI/BHMA A156.2, Grade 1 requirements.

D. Provide access control products with non-volatile memory.

E. Provide keypad operated products with a minimum of 100 user codes.

8. **SECTION 10 51 00 – METAL STORAGE SHELVING:**

ADD - ADD new specification Section 10 56 13 – Metal Storage Shelving, which is attached to this addendum.

9. **SECTION 26 05 01 – GENERAL ELECTRICAL REQUIREMENTS:**

REPLACE - Remove Item 1.2, H. and replace with new text to read as follows “**H. The Contractor shall obtain all required inspections and approvals from the City of Rockville’s Inspections Services Division and the City of Rockville’s Fire Marshal’s Office. The City Inspection Services Division and Fire Marshal’s Office may be reached at 240-314-8240.**”

REVISE - Modify item 1.4, D. to read as follows: “D. Supervisory Qualifications: The electrical work on the project shall be **performed** under the direct supervision of a licensed Master Electrician. **A Master Electrician shall be on site at all times when electrical work is being performed. This individual may also serve as the full-time project foreman required by item 1.4, E., 2. below provided that they possess the required qualifications and relevant work experience.**”

B. CIVIL DRAWINGS

1. **DRAWING CG201 – STORM DRAIN PROFILES AND SCHEDULES**

CLARIFY - Clarify that Detail 60 on this sheet applies only to the storm drain installation located between SD-6 and SD-10.

C. ARCHITECTURAL DRAWINGS

1. **DRAWING D2.1 – ENLARGED PARTIAL EXISTING/DEMOLITION FLOOR PLAN**

REVISE - Modify “SELECTIVE DEMOLITION NOTES” note D5 to read “**D5 - Remove all existing lockers, benches, and accessories including grab bars, soap dispensers, TOILET PAPER AND PAPER TOWEL dispensers, hand dryers, mirrors, shelves, and hooks, in room. REMOVE ALL EXISTING CAST-IN-PLACE LOCKER BASES, TAKING CARE NOT TO DAMAGE EXISTING STRUCTURAL CONCRETE TEE FLOOR DECKING TO REMAIN. Patch and repair all adjacent surfaces. Coordinate salvage with Owner. Owner will specify certain lockers which will need to be salvaged, relocated, and reinstalled for temporary use.**”

ADD - On drawing 1/D2.1, **ADD** a note in the area of the existing Observation Room and adjacent North Pool deck to read “**See proposed floor plans and MEP drawings for extents of new work at this area and coordinate demolition as required. Remove all existing floor tile at areas shown to receive new floor tile on sheet A8.2 and prepare/repair slabs as required prior to placing new tile. Provide mortar bed as required to achieve slopes to new floor drains. Remove and replace existing concrete slab as required for new plumbing work and other rough-ins and repair all finishes as required.**”

2. **DRAWING A5.5 – WALL SECTIONS AND DETAILS**

REVISE - On drawing 3/A5.5, **REVISE** the note at the expansion joint cover to read “**NEW TYPE 1 PREFIN. MTL. EXP JOINT COVER, TYP.**”

3. **DRAWING A6.1 – ENLARGED PARTIAL PROPOSED REFLECTED CEILING PLAN**

ADD - On drawing 1/A6.1, **ADD** a note to the bulkhead between Lobby/Waiting 101A and Corridor 109 to read “**Type 5 Expansion Joint Cover, typ.**” Cover shall align with 2” expansion joint transition between the existing building and new addition.

4. **DRAWING A7.1 – SCHEDULES**

REVISE - On drawing 3/A7.1 Storefront Types, **REVISE** the note below storefront type SF-1 to read “**SF-Type 1-Base Bid**”.

ADD - On drawing 3/A7.1 Storefront Types, **ADD** a note below storefront types SF-3 and SF-5 to read “**SF-Type 1-Base Bid**”.

REVISE - On drawing 4/A7.1 Storefront Types – Deduct Alternate #6, **REVISE** the note below storefront types SF-1A, SF-1B, SF-3, and SF-5 to read “**SF-Type 1-Alt. #6**”.

5. **DRAWING A7.2 – JAMB TYPES**

REVISE - On Jamb Type J3-A, **REVISE** the jamb depth of the aluminum storefront framing from 4 1/2” to **6”**. Modify the dimension from the exterior face of the jamb to the exterior face of the CMU from 6” to **4 1/2”**.

6. **DRAWING A7.3 – SCHEDULES**

REVISE - On the Finish Schedule – Base Bid, under Vestibule 100, revise the scheduled flooring to read “**RS-1/Walk-off Mat**” and modify the “**Remarks**” column to read “**See drawings 1/A8.1 and 1/A8.2 for extents of walk-off mat and rubber flooring.**”

7. **DRAWING A8.1 – ENLARGED PARTIAL PROPOSED SLAB & DRAINAGE FLOOR PLAN**

REMOVE - Drawing A8.1 and **REPLACE** with **REVISED** Drawing A8.1 dated 12/3/2018 and attached to this Addendum. This drawing has been updated to clarify the extents of the recessed area required for the walk-off entrance mat at Vestibule 100. Note that if Deduct Alternate #6 is accepted, the same 1'-0” dimension should be maintained between the interior face of the Vestibule walls and the walk-off mat depressed slab. The overall size of the walk-off mat recess will be decreased accordingly to coordinate with the overall Vestibule dimensions.

8. **DRAWING A8.2 – ENLARGED PARTIAL PROPOSED FLOOR FINISH PLAN**

ADD - On drawing 1/A8.2, **ADD** a note at Vestibule 100 to read “**See 1/A8.1 for extents of walk-off mat depression.**” Note that if Deduct Alternate #6 is accepted, the same 1'-0” dimension should be maintained between the interior face of the Vestibule walls and the walk-off mat depressed slab. The overall size of the walk-off mat recess will be decreased accordingly to coordinate with the overall Vestibule dimensions.

CLARIFY - On drawing 1/A8.2, **CLARIFY** that the floor material hatch pattern surrounding the walk-off mat at Vestibule 100 is indicating “RS-1 – Rubber Tile, Field”.

D. ELECTRICAL DRAWINGS

1. DRAWING E6.1 – ELECTRICAL DETAILS

REVISE - On detail 1/E6.1, DETAIL – ADMINISTRATION DROP, **REVISE** the detail on the right side that reads “BACKBOX FOR DATA, REFER TO TECHNOLOGY DRAWINGS FOR MORE INFORMATION” to read “**G.C. TO PROVIDE AND INSTALL CONDUIT, QUAD BACKBOX, AND PULLSTRING FOR DATA DROP. CABLING, TERMINATION, AND COVER PLATES TO BE PROVIDED AND INSTALLED BY OWNER’S TELECOMMUNICATIONS CONTRACTOR.**”

ADD - On detail 5/E6.1, VIDEO DROP, **ADD** a note to the top of the box on the right side that reads “**1 1/4” CONDUIT FROM DUPLEX BOX TO ACCESSIBLE CEILING ABOVE WITH PULLSTRING. G.C. TO PROVIDE AND INSTALL CONDUIT, QUAD BACKBOX, AND PULLSTRING FOR VIDEO DROP. CABLING, TERMINATION, AND COVER PLATES TO BE PROVIDED AND INSTALLED BY OWNER’S TELECOMMUNICATIONS CONTRACTOR.**”

- END OF ADDENDUM #3 -

SECTION 08 41 13
ALUMINUM ENTRANCES AND STOREFRONTS
(Addendum #3)

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Requirements of the General Conditions, Supplementary Conditions and Division 1 of these specifications apply to this Section.
- B. Include all labor, materials, appliances and services necessary to complete all aluminum doors, associated frames, sidelites, transoms, windows, and borrowed lites and preparation for hardware, weatherproofing and related work required by the drawings and/or described in this or related specifications.
- C. Storefront Types and Configuration:
 - 1. Aluminum Storefront Type 1 as noted on the drawings shall be used on the exterior and be equipped with a thermal barrier and finished with a fluoropolymer coating as further specified.
 - 2. Aluminum Storefront Type 2 as noted on the drawings shall be used on the interior without a thermal barrier and finished with an anodized coating as further specified.

1.2 RELATED SECTIONS

- A. Section 01 23 00 – Alternates.
- B. Section 01 40 00 – Quality Requirements.
- C. Section 04 20 00 – Unit Masonry.
- D. Section 04 72 00 – Cast Stone Masonry.
- E. Section 05 40 00 – Cold Formed Metal Framing.
- F. Section 05 50 00 - Metal Fabrications: Steel lintels.
- G. Section 07 90 00 - Joint Sealers: Perimeter sealant and back-up materials.
- H. Section 08 71 00 – Door Hardware.
- I. Section 08 80 00 – Glazing.

1.3 SYSTEM PERFORMANCE:

- A. Provision for Thermal Movements
 - 1. Storefront framing systems shall be designed to provide for thermal movement of all component materials resulting from surface temperatures ranging from -20 degrees F to 150 degrees F without causing buckling, stresses on glass, failure of joint seals, undue stress on structural elements, damaging loads on fasteners, reduction of performance,

or other detrimental effects. Operating windows and doors shall function normally over this temperature range.

B. Test Procedures and Performance (Framing Systems)

1. Wind loads: Provide framing system; include anchorage, capable of withstanding wind load design pressures of 32 lbs./sq. ft. inward and 32 lbs./sq. ft. outward. The design pressures are based on the International Building Code; 2015 Edition.
2. Air Infiltration Test
 - a. Test unit in accordance with ASTM E 283 at a static air pressure difference of 6.24 psf.
 - b. Air infiltration shall not exceed .06 cfm per square foot of fixed wall area.
3. Water Resistance Test
 - a. Test unit in accordance with ASTM E 331.
 - b. There shall be no uncontrolled water leakage at a static test pressure of 12.0 psf.
4. Uniform Load Structural/Deflection Tests
 - a. Test in accordance with ASTM E 330.
 - b. The system shall withstand 20 psf positive and 20 psf negative design wind pressure normal to the plane of the wall.
 - c. Deflection under design load shall not exceed L/175 of the clear span.
 - d. Test in accordance with ASTM E 330 at a pressure 1.5 times the design wind pressure in 1.05.B.3.b.
 - e. At conclusion of the test, there shall be no glass breakage, permanent damage to fasteners, storefront parts, or any other damage that would cause the storefront to be defective.
5. Condensation Resistance Test (CRF)
 - a. Test unit in accordance with ASTM 1503.1.
 - b. Condensation Resistance Factor (CRF) shall not be less than 59.
6. Thermal Transmittance Test (Conductive U-Value)
 - a. Test in accordance with ASTM 1503.1.
 - b. Conductive thermal transmittance (U-Value) shall not be more than 0.33 BTU/hr/degree F/SF.

C. Test Procedures and Performance (Doors)

1. Air Infiltration Test
 - a. For single acting offset pivot or butt hung entrances in the closed and locked position, the test specimen shall be tested in accordance with ASTM E 283 at a pressure differential of 6.24 psf for single doors and 1.567 psf for pairs of doors. A single 3'-0" x 7'-0" entrance door and frame shall not exceed 0.50 cfm per square foot. A pair of 6'-0" x 7' -0" entrance doors and frame shall not exceed 1.0 cfm per square foot.
3. Uniform Load Structural Test
 - a. With door sash closed and locked, test unit in accordance with ASTM E 330 at a static air pressure difference of 60.0 psf, both positive and negative pressure.
 - b. At conclusion of test there shall be no glass breakage, permanent damage to fasteners, hardware parts, or actuating mechanisms, nor any other damage that would cause the door to be inoperable.
4. Condensation Resistance Test (CRF)
 - a. With door sash closed and locked, test unit in accordance with AAMA 1503.1.
 - b. Condensation Resistance Factor (CRF) shall not be less than 44.
5. Thermal Transmittance Test (Conductive U-Value)
 - a. With ventilators closed and locked, test unit in accordance with AAMA 1503.1.

- b. Conductive thermal transmittance (U-Value) shall not be more than .63 BTU/hr/sf/degrees F.

1.4 SUBMITTALS

- A. Submit color charts indicating manufacturer's standard color selections.
- B. Samples: Once color is selected by the architect, submit 3 samples of the specified aluminum finish.
- C. Shop Drawings: Submit shop drawings for the fabrication and installation of aluminum frames, windows, doors, hardware and related work showing anchors, reinforcing and glazing details; include product data, installation instructions, and air infiltration and thermal resistance data.

1.5 PRODUCT DELIVERY AND STORAGE:

- A. Protect the products of this Section from scratching, marring, bending and other damage. Store these products under cover in a dry area.

1.6 GUARANTEE:

- A. Guarantee all work of this Section for a period of three (3) years after date of substantial completion against defects in materials and workmanship and against water leakage and air infiltration. Replace or repair defective materials or conditions at no cost to the Owner.

PART 2 - PRODUCTS

2.1 APPROVED MANUFACTURERS/MODELS:

- A. Acceptable manufacturers:
 - 1. Kawneer Company, Inc. –
 - a. Type 1 Storefront – TRIFAB 601 UT (used as Basis-of-Design)
 - b. Type 2 Storefront - TRIFAB VG 451 (used as Basis-of-Design)
 - 2. Efc0 Corporation
 - 3. Wausau Metals Corporation

2.3 MATERIALS:

A. Framing Members

- 1. Aluminum
 - a. Extruded aluminum - Alloy and temper recommended by aluminum storefront manufacturer for strength, corrosion resistance, and application of required finish and ASTM B221; 6063-T6 alloy and temper.
 - b. Depth of frame shall not be less than 6" for Type 1 storefront and 4 1/2" for Type 2 storefront.
 - c. Face dimension shall not be less than 2".
 - d. Center glazed system.
- 2. Dissimilar Metals

- a. All dissimilar metals must be properly insulated to prevent galvanic action.
 3. Fasteners
 - a. Aluminum, nonmagnetic stainless steel or other materials to be non-corrosive and compatible with aluminum members, trim hardware, anchors, and other components. All exposed fasteners, screws, and internal components shall be nonmagnetic stainless steel.
 4. Gaskets
 - a. Glazing gaskets shall be extruded EPDM rubber.
 5. Thermal Barrier (Type 1 Storefronts only)
 - a. A thermal barrier shall be provided for all exterior frames. Barrier material shall be Kawneer IsoLock™ Thermal Break with dual nominal 1/4" separation consisting of a two-part chemically curing, high-density polyurethane, which is mechanically and adhesively joined to aluminum storefront sections. Thermal Break shall be designed in accordance with AAMA TIR-A8 and tested in accordance with AAMA 505.
 6. Perimeter Anchors:
 - a. Aluminum. When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.
- B. Doors – Glazed and Flush styles required.
1. Aluminum
 - a. Extruded aluminum - Alloy and temper recommended by aluminum storefront manufacturer for strength, corrosion resistance, and application of required finish and complying with ASTM B221; 6063- T6 alloy and temper.
 - b. Face sheets for flush doors to be architectural quality 5005 alloy aluminum sheet 0.062" thick.
 2. Core
 - a. Core of flush doors shall be froth-in-place urethane foam at 2.5 lb./cu. ft. density and shall have "0" O.D.P. = "Zero" Ozone Depletion Potential and contain no CFC's (Chlorofluorocarbons) or HCHC's (Hydro Chlorofluorocarbons)
 3. Fasteners
 - a. All exposed fasteners shall be aluminum or stainless steel.
 4. Thermal Barrier (Type 1 Storefront non-flush doors only): Shall be IsoPour™ utilizing two continuous rows of polypropylene with a nominal 7/32" (5.5 mm) separation consisting of a two-part, chemically curing high density polyurethane which is mechanically and adhesively bonded to the aluminum at door rails and stiles.
 5. Slide-In-Type Weather Stripping (Type 1 Storefront non-flush doors only): Provide woven-pile weather stripping of wool, polypropylene, or nylon pile and resin-impregnated backing fabric. Comply with AAMA 701/702.
 - a. Weather Seals: Provide weather stripping with integral barrier fin or fins of semi-rigid, polypropylene sheet or polypropylene-coated material. Comply with AAMA 701/702.

C. Provide aluminum entrance and storefront components with recycled content so that postconsumer recycled content plus one-half of pre-consumer recycled content is not less than 40% recycled content aluminum billet.

D. Hardware:

1. Weatherstripping by Aluminum door supplier. Meeting stiles on pairs of doors shall be equipped with an adjustable astragal utilizing two polymeric fins.
2. See Section 08 71 00 – Door Hardware for all other hardware items. Aluminum supplier to prep doors to receive hardware specified in Section 08 71 00. Coordinate for electrified hardware components as required in Section 08 71 00.

E. Finish

1. The exposed surfaces of all aluminum members shall be clean and free from serious surface blemishes and finished according to the following:
 - a. Type 1 Storefronts including frames, doors, and glazing beads shall be finished with 70% PVDF resin and durable ceramic pigments meeting or exceeding AAMA 2605. **Color shall be selected from all of manufacturer's standard options.**
 - b. Type 2 Storefronts including frames, doors, hardware, and glazing beads shall be finished with a clear anodized finish per AA-M12C22A41, AAMA 611. Finish shall be Architectural Class I Clear Anodic Coating, Color #14 Clear.

2.4 FABRICATION

A. Framing Members

1. All aluminum frame extrusions shall have a minimum wall thickness of .070". Wall thickness of each framing member shall provide structural strength to meet specified performance requirements.
2. Fabricate components per manufacturer's installation instructions and with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.
3. Accurately fit and secure joints and corners. All corners shall be mitered, flash welded, and uniformly machine-trimmed. Welds shall not be discolored after finishing. Frame corners shall be double tenon jointed, mechanically forged and made permanently leak proof at the factory. All exposed work shall be carefully matched to produce continuity of line and design with all joints (joints shall be flush and hairline). System design shall be such that raw edges will not be visible at joints.
4. All units shall be "dry glazed" with EPDM elastomeric gasket on both exterior and interior.
5. Prepare components to receive anchor devices. Fabricate anchors.
6. Arrange fasteners and attachments to conceal from view.
7. Provide sill receptors for exterior storefront windows.

B. Doors

1. Aluminum materials shall have a minimum 0.125" wall thickness.
2. Exterior glazing stops shall be an integral part of the door; glazing stop sections shall have .050" wall thickness. Interior stops shall be snap-in type. Doors shall accommodate 1/4" float glazing or 1" insulated glazing, see Section 08 80 00.
3. Mechanical fasteners, welded components, and hardware items shall not bridge thermal barriers. Thermal barriers shall align at all corners.
4. Glazed Doors –
 - a. Door thickness shall be 1 3/4" for interior non-thermal doors and 2 1/4" for exterior thermal doors. For fully glazed doors, stile and rail face dimensions shall be as follows - vertical stiles 5", top rail 5", mid rail and bottom rail 10".
 - b. Door corner construction shall consist of mechanical clip fastening, SIGMA deep penetration plug welds and 1-1/8" long fillet welds inside and outside of all four corners. Glazing stops shall be hook-in type with EPDM glazing gaskets reinforced with non-stretchable cord.
 - c. Accurately fit and secure joints and corners. Make joints hairline in appearance.
 - d. Prepare components with internal reinforcement for door hardware.
5. Flush doors -
 - a. Doors with partial or no glazing shall have plain unpatterned aluminum face sheets and polyurethane foam-fill.
 - b. Top and bottom rails shall have a 5" face dimension and be joined to tubular door stiles by mechanical clip fastening and SIGMA deep penetration plug welds and 1-1/8" long fillet welds inside and outside of all four corners. Face sheets shall lap and interlock stiles and rails to create a hollow cavity for the froth-in-place urethane core.
 - c. Vertical door sections shall be 1-3/4" overall depth with integral reglets to receive and conceal edges of face sheets on both sides of door.
 - d. Doors shall be reinforced internally to receive surface applied and mortised hardware.
6. Arrange fasteners and attachments to conceal from view.

PART 3 - EXECUTION

3.1 INSTALLATION:

- A. Use skilled workmen.
- B. Install framing system in accordance with manufacturer's instructions and AAMA storefront and entrance guide specifications manual. Install all work secure, plumb, true and watertight without forcing or distorting, and free from dents, buckles, scratches or other defects.
- C. Weathertight Construction: Install sill members and other members in a bed of sealant or with joint filler or gaskets, to provide weathertight construction. Coordinate installation with wall flashings and other components of construction. The entire system shall be set and anchored to permit thermal movement without leakage.
- D. Dissimilar Materials: Provide separation of aluminum materials from sources of corrosion or electrolytic action contact points. All parts of aluminum in contact with mortar or plaster shall be given one (1) field coat of bituminous paint before installation.

- E. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities. The metal framing shall hold all lights firmly yet remain sufficiently flexible to permit movement of metal and glass caused by wind pressure and changes in temperature.
- F. Provide alignment attachments and shims to permanently fasten system to building structure.
- G. Align assembly plumb and level, free of warp and twist. Maintain assembly dimensional tolerances aligning with adjacent work. Entrance doors shall be securely anchored in place to a straight, plumb and level condition, without distortion. Weather stripping contact and hardware movement shall be checked and final adjustments made for proper operation and performance of units.

3.2 FIELD QUALITY CONTROL

- A. Field Tests: Architect shall select storefront units to be tested as soon as a representative portion of the project has been installed, glazed, perimeter caulked and cured. **Contractor shall employ a testing agency to** conduct tests for air infiltration and water penetration with manufacturer's representative present. Tests not meeting specified performance requirements and units having deficiencies shall be corrected as part of the contract amount.
 - 1. Testing: Testing shall be performed by a qualified independent testing agency. Testing Standard per AAMA 502, including reference to ASTM E 783 for Air Infiltration Test and ASTM E 1105 Water Infiltration Test.
 - a. Air Infiltration Tests: Conduct tests in accordance with ASTM E 783. Allowable air infiltration shall not exceed 1.5 times the amount indicated in the performance requirements or 0.15 cfm per foot of crack length, which ever is greater.
 - b. Water Penetration Tests: Conduct tests in accordance with ASTM E 1105. No uncontrolled water leakage is permitted when tested at a static test pressure of two-thirds the specified water penetration pressure but not less than 6.24 psf.

3.3 CLEAN-UP:

- A. Protection: Protect installed product's finish surfaces from damage during construction. Protect aluminum storefront system from damage from grinding and polishing compounds, plaster, lime, acid, cement, or other harmful contaminants.
- B. Cleaning: Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to owner's acceptance. Clean aluminum of all marks, stamps, tags or labels. Remove construction debris from project site and legally dispose of debris.
- C. Adjust all operating units for ease of movement.

- END OF SECTION 08 41 13 -

SECTION 10 56 13
METAL STORAGE SHELVING

(Addendum #3)

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Metal shelving units at Storage 106M, Storage 106G, and Custodial 114.

1.2 RELATED SECTIONS

- A. Section 06 10 00 – Rough Carpentry.

1.3 REFERENCES

- A. ANSI/ASTM A526 - Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Commercial Quality.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Shop Drawings: Indicate shelving locations, large scale plans, elevations, cross sections, rough-in and anchor placement dimensions and tolerances and clearances required.
- C. Product Data: Provide component dimensions, configurations, construction details, joint details, and attachments, operations and maintenance data, utility and service requirements and locations.
- D. Samples: Submit 6" x 6" samples of specified finishes, including top material.
- E. Manufacturer's Installation Instructions: Indicate special installation requirements.

1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum five years experience.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shelving to the site only after wet operations in the building are completed.
- C. Protect finished surfaces of all shelving from soiling and damage during handling and installation. Keep covered with polyethylene film or other protective covering.

1.7 FIELD MEASUREMENTS

- A. Verify that field measurements are as indicated on shop drawings.

PART 2 - PRODUCTS

2.1 METAL STORAGE SHELVING

A. Acceptable Manufacturers:

1. Penco – Clipper Hi-Performance Box Shelving
2. Lyon – Box “W” Shelving
3. Hallowell List – “Hi Tech” Shelving

B. General:

1. Rolled steel box formed of 20 gauge or better to provide 800 lb safe load per shelf capacity. Maximum 36” length and 87” height at each shelf unit.
2. Provide adjustable shelves with clips.
3. Posts shall be minimum 14 gauge steel. Units shall have open backs with diagonal cross braces.

C. Shelving Unit Construction:

1. Shelves shall be minimum 18 gauge reinforced, with 1 ¼” face on all four sides. Unless otherwise noted, provide seven shelves per shelving unit. Bottom three shelves reinforced.
2. Corner posts shall be 14 gauge minimum 1-1/8” wide x 2-1/2” deep angle, punched for shelving clips and securing to wall and section to section. Shelves shall be adjustable at 1” on centers.
3. Cross bracing shall be 12 gauge minimum 3/4 inch wide steel straps, arranged in an “X” configuration. Single units shall have bracing on back and both ends. Multiples of three (3) units shall have bracing on the back center unit and both ends. Multiples of more than three (3) units shall have bracing on the back of every second unit and on the sides of every second unit. Back-to-back and side-to-side runs shall have common X-type back bracing.
4. Clips shall be one piece, 14 gauge zinc plated compression type. Provide quick adjustment clips for shelves. Provide six shelves per shelving unit.

D. Finish for all shelving, post, and bracing components shall be baked enamel selected from manufacturer’s standard colors.

E. Shelving sizes are to be 15” deep by 36” long by 84” high. Provide one set of shelves at each of the following spaces: Storage 106M, Storage 108G, and Custodial 114.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify adequacy of support framing and anchors.

3.2 INSTALLATION

A. Install shelving, components and accessories in accordance with manufacturer's instructions.

B. Use anchoring devices to suit conditions and substrate materials encountered.

C. Shelving:

1. Shelving shall be set in places indicated and shall be adjusted to set true and rigid.
2. Secure shelving to adjacent walls where applicable using fasteners as recommended by the manufacturer.
3. Provide shims under posts as necessary. Trim shims to avoid any protrusions.

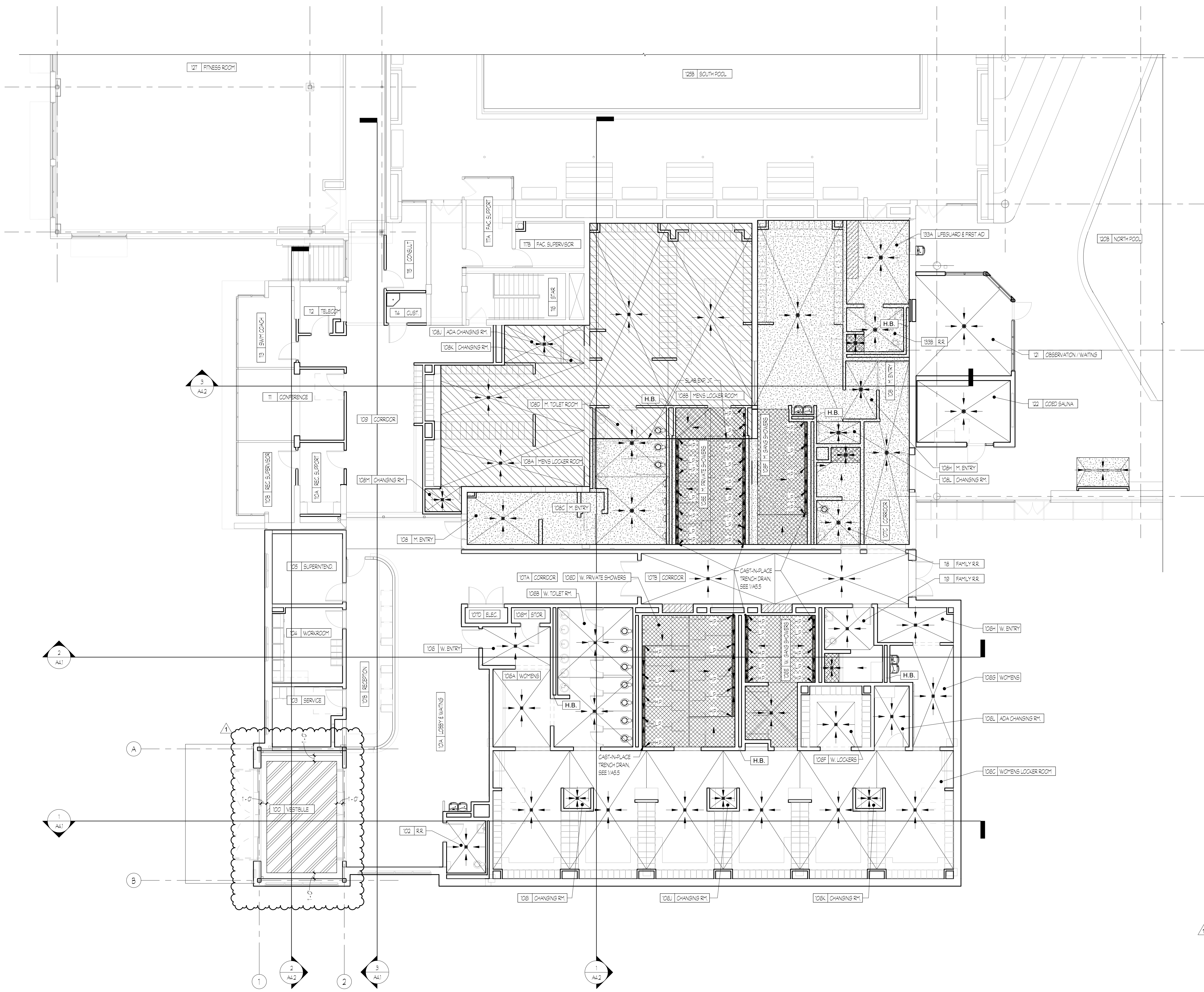
3.3 CLEANING

- A. Clean shelves and supports.

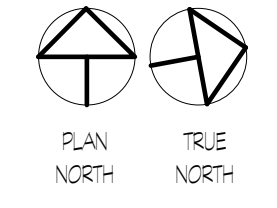
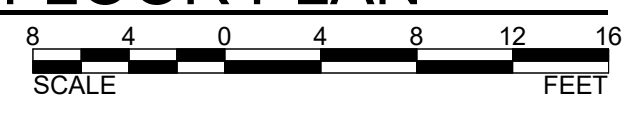
3.4 PROTECTION OF FINISHED WORK

- A. Do not permit finished shelving to be exposed to continued construction activity.

- END OF SECTION 10 56 13 -



1 ENLARGED PARTIAL PROPOSED SLAB & DRAINAGE FLOOR PLAN
 A8.1 1/8" = 1'-0"



SLAB & DRAINAGE LEGEND

- ↑ INDICATES DOWNWARD DIRECTION OF SLOPED CONCRETE. MAXIMUM SLOPE 1/8" PER 1'-0" UNLESS OTHERWISE NOTED
- PRE-FABRICATED TRENCH DRAIN WITH REMOVABLE GRATE. SEE PUMPING
- CAST-IN-PLACE OPEN TRENCH DRAIN. SEE PUMPING & DETAIL 5/AB.5
- FLOOR DRAIN. SEE PUMPING
- ▨ HATCH DENOTES DERESSED SLAB AT MUDSET TILE LOCATIONS
- ▩ HATCH DENOTES NEW SLAB ON GRADE @ EXISTING BUILDING. SEE STRUCTURAL TYP.
- ▧ HATCH DENOTES CONCRETE MILL/WORK/LOCKER BASE. REFER TO 6 / A8.1. ELEVATION + 4' AFF.
- ▨ HATCH DENOTES NEW CERAMIC TILE FLOORINGS ON EXISTING PRECAST CONCRETE FLOOR TEE'S - REMOVE ALL EXISTING BUILT-UP SLOPE & INSTALL NEW SLOPES ON EXISTING TEE'S TO NEW DRAINS. COORDINATE DRAIN LOCATIONS WITH TEE WEB LAYOUT
- ▨ HATCH DENOTES DERESSED SLAB AT ENTRY MAT. COORDINATION DEPTH OF RECESS WITH ENTRY MAT MANUFACTURER
- H.P. TRENCH DRAIN HIGH POINT
- L.P. TRENCH DRAIN LOW POINT

GENERAL NOTES:

1. HATCH DENOTES CONCRETE MILL/WORK/LOCKER BASE. REFER TO 6 / A8.1. ELEVATION + 4' AFF.
2. SLAB SLOPES MUST COMPLY WITH ADA'S REQUIREMENTS AT ALL AREAS. DO NOT EXCEED 5% IN THE RUNNING DIRECTION OR 2.08% IN THE CROSS DIRECTION. SLAB SLOPES ARE DESIGNED TO BE APPROX. 1/8"

SEAL

LOCKER ROOMS & LOBBY RENOVATIONS & ADDITIONS FOR:
ROCKVILLE SWIM AND FITNESS CENTER
 CITY OF ROCKVILLE
 355 MARTINS LANE
 ROCKVILLE, MD 20850
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 CONSTRUCTION DOCUMENTS

ISSUE

REV	DATE	DESCRIPTION
1	12/03/18	ADDENDUM #3

PROJECT NO.: 12-24-03
 DATE: 07-11-2018
 ENLARGED PARTIAL PROPOSED SLAB & DRAINAGE FLOOR PLAN

A8.1