USD 320 Wamego-Phase 2-Bid Package 1- Sports Complex Locker Rooms and District Central Kitchen

Addendum 4

Issue Date: 7-31-17

Architect: BBN Architects Inc.

MEP: Orazem & Scalora Engineering, P.A.

Civil Engineer: SMH Consultants

Construction Manager: Coonrod & Associates Construction Co., Inc.

Owner: USD 320 Wamego

The attached documents and / or items below shall hereby become part of the Construction Documents for the referenced project above.

4-1: Add the following (attached) specification section to the Specifications / Project Manual.

- **083113-Access Doors and Frames**
- **096113-Floor Sealers**
- **096513-Resilient Base and Accessories**
- **096813-Tile Carpeting**
- **104400-Fire Protection Specialties**
- **123623-Plastic Laminate Clad Countertops**

4-2: Replace the existing specification sections / plan sheet in the Specifications / Project Manual with the new specification sections / plan sheet (attached), listed below.

- **District Kitchen- A101-Site Plan**
- **Sports Complex Locker Room- A102-Floor Plan**
- **Sports Complex Locker Room- A201-Exterior Elevations**
- **Sports Complex Locker Room- A202-Interior Elevations**
- **Sports Complex Locker Room- A501-Details**

- **Sports Complex Locker Room- A602-Door Schedule and Details**
- **Sports Complex Locker Room- A901-Furnishing Plan**

4-3: Specification Section CLARFICATION: 101419-Dimensional Letter Signage-
Letters are to be clear anodized aluminum. There is to be NO back bar or bracket assembly used for mounting. Letters shall be pin mounted.

4-4: Attached is the revised bid scopes.

SECTION 08 31 13 - ACCESS DOORS AND FRAMES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes access doors and frames for walls and ceilings.

B. Related Requirements:

1. Section 07 72 00 "Roof Accessories" for roof hatches.
2. Section 23 85 00 "Ductwork and Accessories" for heating and air-conditioning duct access doors.

C. Access doors and frames are part of an access door and frame allowance.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, fire ratings, material descriptions, dimensions of individual components and profiles, and finishes.

B. Samples: For each type of access door and frame and for each finish specified, complete assembly minimum 6 by 6 inches (150 by 150 mm) in size.

C. Product Schedule: For access doors and frames.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Rated Access Doors and Frames: Assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, according to NFPA 252 or UL 10B.

2.2 ACCESS DOORS AND FRAMES

A. Flush Access Doors with Concealed Flanges:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

    a. Babcock-Davis.
    b. JL Industries, Inc.; a division of the Activar Construction Products Group.
    c. Karp Associates, Inc.
    d. Nystrom, Inc.

2. Description: Face of door flush with frame; with concealed flange for gypsum board installation and concealed hinge.
3. Locations: Wall and ceiling.
4. Door Size: 24 inches by 24 inches (600 mm by 600 mm) or as otherwise indicated on the Drawings are required for specific access.
5. Materials:

    a. General Application: Metallic-Coated Steel Sheet for Door: Nominal 0.064 inch (1.63 mm), 16 gage factory primed.
    b. Toilet Rooms and Food Preparation Areas: Stainless-Steel Sheet for Door: Nominal 0.062 inch (1.59 mm), 16 gage, No. 4 finish.

6. Frame Material: Same material and thickness as door.
7. Latch and Lock: Cam latch, screwdriver operated with interior release.

B. Recessed Access Doors with Concealed Flanges:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

    a. Babcock-Davis.
    b. JL Industries, Inc.; a division of the Activar Construction Products Group.
    c. Karp Associates, Inc.
    d. Nystrom, Inc.

2. Description: Door face recessed 5/8 inch (16 mm) for gypsum board infill; with concealed flange for gypsum board installation and concealed hinge.
3. Locations: Ceiling.
4. Door Size: 24 inches by 24 inches (600 mm by 600 mm).
5. Metallic-Coated Steel Sheet for Door: Nominal 0.064 inch (1.63 mm), 16 gage, factory primed.
6. Latch and Lock: Cam latch, screwdriver operated.

2.3 FIRE-RATED ACCESS DOORS AND FRAMES

A. Fire-Rated, Flush Access Doors with Concealed Flanges:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

    a. Babcock-Davis.
    b. JL Industries, Inc.; a division of the Activar Construction Products Group.

c. Karp Associates, Inc.
d. Nystrom, Inc.

2. Description: Door face flush with frame, with a core of mineral-fiber insulation enclosed in sheet metal; with concealed flange for gypsum board installation, self-closing door, and concealed hinge.
3. Locations: Ceiling.
4. Door Size: 24 inches by 24 inches (600 mm by 600 mm).
5. Fire-Resistance Rating: Not less than that of adjacent construction.
6. Metallic-Coated Steel Sheet for Door: Nominal 0.040 inch (1.02 mm), 20 gage, factory primed.
7. Frame Material: Same material, thickness, and finish as door.
8. Latch and Lock: Self-closing, self-latching door hardware, operated by key.

2.4 MATERIALS

A. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS), Type B; with minimum G60 (Z180) or A60 (ZF180) metallic coating.

B. Stainless-Steel Sheet, Strip, Plate, and Flat Bars: ASTM A 666, Type 304. Remove tool and die marks and stretch lines, or blend into finish.

C. Frame Anchors: Same material as door face.

D. Inserts, Bolts, and Anchor Fasteners: Hot-dip galvanized steel according to ASTM A 153/A 153M or ASTM F 2329.

2.5 FABRICATION

A. General: Provide access door and frame assemblies manufactured as integral units ready for installation.

B. Metal Surfaces: For metal surfaces exposed to view in the completed Work, provide materials with smooth, flat surfaces without blemishes. Do not use materials with exposed pitting, seam marks, roller marks, rolled trade names, or roughness.

C. Doors and Frames: Grind exposed welds smooth and flush with adjacent surfaces. Furnish mounting holes, attachment devices and fasteners of type required to secure access doors to types of supports indicated.

1. For concealed flanges with drywall bead, provide edge trim for gypsum panels securely attached to perimeter of frames.

D. Recessed Access Doors: Form face of panel to provide recess for application of applied finish. Reinforce panel as required to prevent buckling. Provide access sleeves for each latch operator and install in holes cut through finish.

E. Latch and Lock Hardware: Furnish number of latches and locks required to hold doors tightly closed. Furnish two keys per lock and key all locks alike.

2.6 FINISHES

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

D. Painted Finishes: Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.

1. Factory Primed: Apply manufacturer's standard, lead- and chromate-free, universal primer immediately after surface preparation and pretreatment.

E. Stainless-Steel Finishes:

1. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
2. Polished Finish: No. 4 finish. Grind and polish surfaces to produce uniform finish, free of cross scratches.

a. Run grain of directional finishes with long dimension of each piece.
b. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Comply with manufacturer's written instructions for installing access doors and frames.

3.3 ADJUSTING

A. Adjust doors and hardware, after installation, for proper operation.

END OF SECTION 08 31 13

SECTION 09 61 13 - FLOOR SEALERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This section includes clear penetrating liquid floor treatment for floors indicated in the Finish Schedules.

1.3 PERFORMANCE REQUIREMENTS

A. Provide products that comply with the following requirements:

1. VOC compliant.
2. Oil and chemical resistance.
3. Eliminates dusting of concrete surfaces.
4. Maintains slip resistance of 0.80 dry and 0.69 wet.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product indicated. Include manufacturer's technical data, application instructions, and recommendations for floor sealers.

B. Samples: 12 inch (300 mm) square sample of material on concrete surface.

1.5 QUALITY ASSURANCE

A. Mockups: Cast mockup using project concrete. Replicate joints, surface finish, texture, color, and standard of workmanship of the in-place untreated concrete.

1. Build mockups in the location and of the size as directed by Architect.
2. Apply concrete sealers to demonstrate quality of workmanship for the in place application.
3. Obtain Architect's approval of mockups before starting construction.
4. Maintain approved mockups during construction in an undisturbed condition as a standard for judging the completed pavement.
5. The Owner shall be given the opportunity to accept and approve the slip resistance of the sealed concrete prescribed by the Owner’s insurance and legal counsels.
6. Demolish and remove approved mockups at the completion of the project.

B. Qualifications: Engage an experienced applicator that employs only persons trained and approved by sealer manufacturer.

C. Concrete Finishing: Comply with requirements of ACI 302 and Sheet S1.01, General Notes.

1.6 JOB CONDITIONS

A. Weather Conditions: Proceed with installation when weather conditions are in compliance with manufacturer's recommended limitations.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Penetrating and Densifying Liquid Floor Treatment: Clear, chemically reactive, waterborne solution of inorganic lithium, silicate, or siliconate materials and proprietary components; odorless; that penetrates, hardens, and densifies concrete surfaces.

1. Products: Subject to compliance with requirements, provide one of the following:

a. ChemTec Int'l; ChemTec One.
b. Curecrete Distribution Inc.; Ashford Formula.
c. Euclid Chemical Company (The); an RPM company; Ultra LI+.
d. L&M Construction Chemicals, Inc; Seal Hard.
e. PROSOCO, Inc; Consolideck LS.
f. W. R. Meadows, Inc; LIQUI-HARD.

PART 3 - EXECUTION

3.1 PREPARATION

A. Comply with manufacturer's instructions for preparation of substrates to receive floor sealer.

B. Clean all floor surfaces of old paint, trash, concrete spillage, etc. to ensure concrete slab to be sealed is restored to original condition.

C. Mask off adjoining surfaces not to receive floor sealer and close off floor drains, to prevent spillage and migration of liquid materials outside membrane area.

3.2 INSTALLATION

A. Penetrating Liquid Floor Treatment: Prepare, apply, and finish penetrating liquid floor treatment according to manufacturer's written instructions.

1. Remove curing compounds, sealers, oil, dirt, laitance, and other contaminants and complete surface repairs.

2. Do not apply to concrete that is less than 28 days' old.
3. Apply liquid until surface is saturated, scrubbing into surface until a gel forms; rewet; and repeat brooming or scrubbing. Rinse with water; remove excess material until surface is dry. Apply a second coat in a similar manner if surface is rough or porous.

3.3 PROTECTION

A. Protect liquid floor treatment from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by liquid floor treatments installer.

END OF SECTION 09 61 13

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SECTION 09 65 13 - RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

1. Resilient thermoset-rubber base.
2. Rubber molding accessories.

B. Related Sections:

1. Section 09 68 13 "Tile Carpeting" for modular carpeting which transitions to concrete floors.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product specified.

B. Samples: For each exposed product and for each color and texture specified, not less than 12 inches (300 mm) long.

C. Product Schedule: For resilient products. Use same designations indicated in the Finish Legend.

1.4 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Furnish not less than 10 linear feet (3 linear m) for every 500 linear feet (150 linear m) or fraction thereof, of each type, color, pattern, and size of resilient product installed.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Engage an experienced installer to perform work of this Section who has specialized in installing resilient products similar to those required for this Project and with a record of successful in-service performance.

B. Source Limitations: Obtain each type and color of product specified from one source with resources to provide products of consistent quality in appearance and physical properties without delaying the Work.

C. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.

1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to Project site in manufacturer's original, unopened cartons and containers, each bearing names of product and manufacturer, Project identification, and shipping and handling instructions.

B. Store products in dry spaces protected from the weather, with ambient temperatures maintained between 50 and 90 deg F (10 and 32 deg C).

C. Move products into spaces where they will be installed at least 48 hours before installation, unless longer conditioning period is recommended in writing by manufacturer.

1.7 FIELD CONDITIONS

A. Maintain a temperature of not less than 70 deg F (21 deg C) or more than 95 deg F (35 deg C) in spaces to receive resilient products for at least 48 hours before installation, during installation, and for at least 48 hours after installation, unless manufacturer's written recommendations specify longer time periods. After postinstallation period, maintain a temperature of not less than 55 deg F (13 deg C) or more than 95 deg F (35 deg C).

B. Do not install products until they are at the same temperature as the space where they are to be installed.

C. For resilient products installed on traffic surfaces, close spaces to traffic during installation and for time period after installation recommended in writing by manufacturer.

D. Coordinate resilient product installation with other construction to minimize possibility of damage and soiling during remainder of construction period. Install resilient products after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 THERMOSET-RUBBER BASE (R)

A. Basis-of-Design Product: Subject to compliance with requirements, provide Roppe Corporation, USA Pinnacle Rubber Base or comparable product by one of the following:

1. Burke Mercer Flooring Products; a division of Burke Industries Inc.
2. Flexco.

3. Johnsonite; a Tarkett company.

B. Product Standard: ASTM F 1861, Type TS (rubber, vulcanized thermoset).

1. Group: I (solid, homogeneous).
2. Style and Location:

a. Style A, No Toe (Straight): Provide in areas with modular carpeting.
b. Style B, Standard Toe: Provide in areas with floor sealer and VCT.

C. Thickness: 0.125 inch (3.2 mm).

D. Height: 4 inches (100 mm).

E. Lengths: Coils in manufacturer's standard length.

F. Outside Corners: Job formed.

G. Inside Corners: Job formed.

H. Color: 123 Charcoal.

2.2 RUBBER MOLDING ACCESSORY

A. Basis of Design: Subject to compliance with requirements, provide Roppe Corporation, USA, Rubber Accessories or comparable products by one of the following:

1. VPI Corporation.

B. Description: Rubber carpet edge for glue-down applications, nosing for carpet, nosing for resilient floor covering, reducer strip for resilient floor covering, and joiner for tile and carpet, and transition strips.

C. Profile and Dimensions: As indicated.

D. Locations: Provide rubber molding accessories at changes in flooring types. Refer to details on the Drawings.

E. Color: 123 Charcoal.

2.3 INSTALLATION MATERIALS

A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based formulation provided or approved by resilient product manufacturer for applications indicated.

B. Adhesives: Water-resistant, VOC free, type recommended by manufacturer to suit resilient products and substrate conditions indicated.

1. Available products include the following:

a. Excelsior Products C-630 Water-Based Contact Adhesive

1) VOC content: 0.0 g/L.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

1. Installation of resilient products indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. General: Comply with manufacturer's written installation instructions for preparing substrates indicated to receive resilient products.

B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, and depressions in substrates.

C. Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.

D. Broom and vacuum clean substrates to be covered immediately before installing resilient products. After cleaning, examine substrates for moisture, alkaline salts, carbonation, or dust. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.3 RESILIENT BASE INSTALLATION

A. General: Install wall base products according to manufacturer's written installation instructions.

B. Apply resilient wall base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.

1. Install wall base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.
2. Tightly adhere wall base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
3. Do not stretch base during installation.

4. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient wall base with manufacturer's recommended adhesive filler material.

C. Job-Formed Corners:

1. Outside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches (76 mm) in length.

   a. Form without producing discoloration (whitening) at bends.

2. Inside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches (76 mm) in length.

   a. Miter or cope corners to minimize open joints.

3.4 RESILIENT ACCESSORY INSTALLATION

A. Comply with manufacturer's written instructions for installing resilient and aluminum accessories.

B. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of floor covering that would otherwise be exposed.

C. Place resilient products so they are butted to adjacent materials and bond to substrates with adhesive. Install reducer strips at edges of flooring that would otherwise be exposed.

3.5 CLEANING AND PROTECTING

A. Perform the following operations immediately after installing resilient products:

1. Remove adhesive and other surface blemishes using cleaner recommended by resilient product manufacturers.
2. Sweep or vacuum horizontal surfaces thoroughly.
3. Do not wash resilient products until after time period recommended by resilient product manufacturer.
4. Damp-mop or sponge resilient products to remove marks and soil.

B. Protect resilient products against mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by resilient product manufacturer.

1. Cover resilient products installed on floors with undyed, untreated building paper until inspection for Substantial Completion.

END OF SECTION 09 65 13

SECTION 09 68 13 - TILE CARPETING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes modular carpet tile and walk-off carpet tile

B. Related Requirements:

1. Section 09 65 19 "Resilient Base and Accessories" for resilient wall base and accessories installed with carpet tile.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Review methods and procedures related to carpet tile installation including, but not limited to, the following:

a. Review delivery, storage, and handling procedures.
b. Review ambient conditions and ventilation procedures.
c. Review subfloor preparation procedures.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
2. Include manufacturer's written installation recommendations for each type of substrate.

B. Shop Drawings: For carpet tile installation, plans showing the following:

1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet tiles.
2. Carpet tile type, color, and dye lot.
3. Type of subfloor.
4. Type of installation.
5. Pattern of installation.
6. Pattern type, location, and direction.
7. Pile direction.

8. Type, color, and location of insets and borders.
9. Type, color, and location of edge, transition, and other accessory strips.
10. Transition details to other flooring materials.

C. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.

1. Carpet Tile: Full-size Sample.
2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- (300-mm-) long Samples.

D. Product Schedule: For carpet tile. Use same designations indicated on Drawings.

E. Sustainable Product Certification: Provide ANSI/NSF 140 certification for carpet products.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Product Test Reports: For carpet tile, for tests performed by a qualified testing agency.

C. Sample Warranty: For special warranty.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: For carpet tiles to include in maintenance manuals. Include the following:

1. Methods for maintaining carpet tile, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
2. Precautions for cleaning materials and methods that could be detrimental to carpet tile.

1.7 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer who is certified by the International Certified Floorcovering Installers Association at the Commercial II certification level.

B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.

1. Build mockups at locations and in sizes shown on Drawings.
2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Comply with CRI's "CRI Carpet Installation Standard."

1.9 FIELD CONDITIONS

A. Comply with CRI's "CRI Carpet Installation Standard" for temperature, humidity, and ventilation limitations.

B. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.

C. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.

D. Where demountable partitions or other items are indicated for installation on top of carpet tiles, install carpet tiles before installing these items.

1.10 WARRANTY

A. Special Warranty for Carpet Tiles: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.

1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
2. Failures include, but are not limited to, the following:

    a. More than 10 percent edge raveling, snags, and runs.
    b. Dimensional instability.
    c. Excess static discharge.
    d. Loss of tuft-bind strength.
    e. Loss of face fiber.
    f. Delamination.

3. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 WALK-OFF CARPET TILE (Walk-Off CPT)

A. Basis-of-Design Product: Subject to compliance with requirements, provide J&J Invision; J&J Industries, Inc., Catwalk Walk-Off Modular 7010 or comparable product by one of the following:

1. Bentley Prince Street, Inc.
2. Interface, LLC.
3. Mannington Mills, Inc.
4. Milliken & Company.
5. Mohawk Group (The); Mohawk Carpet, LLC.
6. Patcraft; a division of Shaw Industries, Inc.

7. Philadelphia Commercial; a division of Shaw Industries, Inc.
8. Shaw Contract Group; a Berkshire Hathaway Company.
9. Tandus; a Tarkett company.

B. Colors: Spotlight 1427.

C. Construction: Textured patterned loop.

D. Fiber Type: "Encore SD."

E. Face Weight: 34 oz/sq yd (1,153 g/m²)

F. Gauge: 1/8 (3.15 rows/cm).

G. Stitches: 9.5/in (3.74/cm)

H. Primary Backing/Backcoating: Manufacturer's standard synthetic materials.

I. Secondary Backing: Manufacturer's standard material.

J. Size: 24 by 24 inches (610 by 610 mm).

K. Applied Treatments:

1. Soil-Resistance Treatment: Manufacturer's standard treatment.

L. Performance Characteristics:

1. Electrostatic Propensity: Less than 3.0 kV according to AATCC 134.

2.2 CARPET TILE (CPT1)

A. Basis-of-Design Products: The design is based on the designated products. Subject to compliance with requirements, provide either the named products or comparable products by one of the other manufacturers specified. Comparable products are subject to review and approval through the submittal process specified.

1. Color 1: Subject to compliance with requirements, provide J&J Invision; J&J Industries, Inc., Fiction Modular 7025, Anti-Climax 1771.
2. Color 2 - Accent: Subject to compliance with requirements, provide J&J Invision; J&J Industries, Inc., Index Demi-Plank 7009," Works 1836.

B. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Bentley Prince Street, Inc.
2. Interface, LLC.
3. Mannington Mills, Inc.
4. Milliken & Company.
5. Mohawk Group (The); Mohawk Carpet, LLC.
6. Patcraft; a division of Shaw Industries, Inc.

7. Philadelphia Commercial; a division of Shaw Industries, Inc.
8. Tandus; a Tarkett company.

C. Construction: Textured patterned loop.

D. Fiber Type: "Encore BCF."

E. Face Weight: 19 oz/sq yd (644 g/m²)

F. Gauge: 1/12 (4.72 rows/cm).

G. Stitches: 10/in (3.94/cm)

H. Primary Backing/Backcoating: Manufacturer's standard synthetic materials.

I. Secondary Backing: Manufacturer's standard material.

J. Sizes:

1. Color 1: 24 by 24 inches (610 by 610 mm)
2. Color 2: 12 by 48 inches (305 by 1219 mm).

K. Applied Treatments:

1. Soil-Resistance Treatment: Manufacturer's standard treatment.

L. Performance Characteristics:

1. Electrostatic Propensity: Less than 3.0 kV according to AATCC 134.

2.3 INSTALLATION ACCESSORIES

A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.

B. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet tile, and are recommended by carpet tile manufacturer for releasable installation.

1. VOC Limits: Provide adhesives with VOC content not more than 50 g/L when calculated according to 40 CFR 59, Subpart D (EPA method 24).

C. Metal Edge/Transition Strips: Extruded aluminum with mill finish of profile and width shown, of height required to protect exposed edge of carpet, and of maximum lengths to minimize running joints.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance.

B. Examine carpet tile for type, color, pattern, and potential defects.

C. Concrete Slabs: Verify that surfaces are free of cracks, ridges, depressions, scale, and foreign deposits.

1. Moisture Testing: Perform tests so that each test area does not exceed 200 sq. ft. (18.6 sq. m), and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.

    a. Anhydrous Calcium Chloride Test: ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. (1.36 kg of water/92.9 sq. m) in 24 hours.
    b. Relative Humidity Test: Using in situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
    c. Perform additional moisture tests recommended in writing by adhesive and carpet tile manufacturers. Proceed with installation only after substrates pass testing.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. General: Comply with CRI's "Carpet Installation Standards" and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile.

B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch (3 mm) wide or wider, and protrusions more than 1/32 inch (0.8 mm) unless more stringent requirements are required by manufacturer's written instructions.

C. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive and carpet tile manufacturers.

D. Metal Substrates: Clean grease, oil, soil and rust, and prime if recommended in writing by adhesive manufacturer. Rough sand painted metal surfaces and remove loose paint. Sand aluminum surfaces, to remove metal oxides, immediately before applying adhesive.

E. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.

3.3 INSTALLATION

A. General: Comply with CRI's "CRI Carpet Installation Standard," Section 18, "Modular Carpet" and with carpet tile manufacturer's written installation instructions.

B. Installation Method: As recommended in writing by carpet tile manufacturer.

C. Maintain dye-lot integrity. Do not mix dye lots in same area.

D. Maintain pile-direction patterns indicated on Drawings.

E. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.

F. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.

G. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet tile as marked on subfloor. Use nonpermanent, nonstaining marking device.

H. Install pattern parallel to walls and borders.

3.4 CLEANING AND PROTECTION

A. Perform the following operations immediately after installing carpet tile:

1. Remove excess adhesive and other surface blemishes using cleaner recommended by carpet tile manufacturer.
2. Remove yarns that protrude from carpet tile surface.
3. Vacuum carpet tile using commercial machine with face-beater element.

B. Protect installed carpet tile to comply with CRI's "Carpet Installation Standard," Section 20, "Protecting Indoor Installations."

C. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION 09 68 13

SECTION 09 91 23 - INTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes surface preparation and the application of paint systems on the following interior substrates:

1. Concrete.
2. Concrete masonry units (CMUs).
3. Steel and iron.
4. Galvanized metal.
5. Gypsum board.
6. Wood surfaces.

1.3 DEFINITIONS

A. Gloss Levels: The following gloss designations as determined in accordance with ASTM D 523 apply to paint products specified in this Section:

1. “Flat” refers to a lusterless or matte finish with a gloss range below 5 when measured at a 60-degree meter.
2. “Eggshell” refers to low-sheen finish with a gloss range between 10 and 20 when measured at a 60-degree meter.
3. “Satin” refers to low-sheen finish with a gloss range between 20 and 35 when measured at a 60-degree meter.
4. “Semi-Gloss” refers to medium-sheen finish with a gloss range between 35 and 70 when measured at a 60-degree meter.
5. “Gloss” refers to high-sheen finish with a gloss range more than 70 when measured at a 60-degree meter.

B. Areas Subject to Moisture: These spaces are those that have permanent plumbing connections and appliances. These include, but are not limited to, toilet rooms, janitor’s closets, locker rooms, shower rooms, training rooms, and laundries.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product. Include preparation requirements and application instructions.

1. Indicate VOC content.

B. Samples for Verification: For each type of paint system and in each color and gloss of topcoat.

1. Submit Samples on rigid backing, 8 inches (200 mm) square.
2. Apply coats on Samples in steps to show each coat required for system.
3. Label each coat of each Sample.
4. Label each Sample for location and application area.

C. Product List: Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules. Include color designations.

1.5 INFORMATIONAL SUBMITTALS

A. Test results: Provide detailed records of results of each of the physical and visual tests used in determining the suitability of the existing painted surfaces for overcoating.

1.6 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Paint: 5 percent, but not less than 1 gal. (3.8 L) of each material and color applied.

1.7 QUALITY ASSURANCE

A. Benchmark Samples (Mockups): Provide a full-coat benchmark finish sample of each type of coating and substrate required on the Project. Comply with procedures specified in Painting and Decorating Contractors of America (PDCA) P5. Duplicate finish of approved Samples.

1. Architect will select one room or surface to represent surfaces and conditions for each type of coating and substrate to be painted.

a. Wall Surfaces: Provide samples on at least 100 square feet (9 sq. m).
b. Small Areas and Items: Architect will designate an item or area required.

2. After permanent lighting and other environmental services have been activated, apply coatings in this room or to each surface according to the Schedule or as specified. Provide required sheen, color, and texture on each surface.

a. After finishes are accepted, Architect will use the room or surface to evaluate coating systems of a similar nature.

3. Final approval of colors will be from benchmark samples.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F (7 deg C).

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.9 FIELD CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F (10 and 35 deg C).

B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Benjamin Moore & Co.
2. Dulux (formerly ICI Paints); a brand of AkzoNobel.
3. PPG Architectural Coatings.
4. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
5. Sherwin-Williams Company (The).
6. Tnemec, Inc.

2.2 PAINT, GENERAL

A. Material Compatibility:

1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.

B. VOC Content of Field-Applied Interior Paints and Coatings: Provide products that comply with the following limits for VOC content, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24); these requirements do not apply to paints and coatings that are applied in a fabrication or finishing shop:

1. Flat Paints and Coatings: VOC content of not more than 50 g/L.
2. Nonflat Paints, Coatings, and Primers: VOC content of not more than 150 g/L.
3. Anti-Corrosive and Anti-Rust Paints Applied to Ferrous Metals: VOC not more than 250 g/L.

C. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified that are factory formulated and recommended by manufacturer for application indicat-

ed. Paint-material containers not displaying manufacturer's product identification will not be acceptable.

1. Proprietary Names: Use of manufacturer's proprietary product names to designate colors or materials is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed substitutions.

2.3 PAINT COLORS

A. Basis-of-Design Colors: The design is based on the colors indicated by manufacturer's designations in the Finish Schedule Legend. Subject to compliance with requirements, provide exact duplicates of the named colors.

B. Colors: Match Architect's samples.

2.4 PAINT MATERIALS

A. Basis-of-Design Products: The design for each type of paint is based on the products named. Subject to compliance with requirements, provide either the named product or a comparable product by one of the other manufacturers specified.

B. Primers:

1. Water-Based Epoxy Block Filler: Tnemec Series 1254, Epoxoblock WB, Color 1202 Off-White.
2. Polyamine Epoxy Primer: Tnemec Series 201 “Epoxoprime.”
3. Rust Inhibiting Primer for Non-Galvanized Ferrous Metal: Tnemec Series 135 “Chembuild.”
4. Wood Primer: Tnemec Series V10 “Tnemec Primers,” Color 1009 Gray.
5. Latex Based Interior Primer: Sherwin-Williams ProMar 200, “Interior Latex Primer, B28W02600.”

C. Interior Finish Coat Material:

1. Gloss Acrylic Polymer: Tnemec Series 1028 “Enduratone.”
2. Semi-Gloss Acrylic Polymer: Tnemec Series 1029 “Enduratone.”
3. Gloss Epoxy Finish: Two component, high-performance, modified polyamine epoxy coating: Tnemec, Series 280 “Tneme-Glaze.”
4. Satin Water-Based Epoxy Finish: Tnemec, Series 27WB, Typoxy.
5. Latex-based Interior Semi-Gloss: Sherwin Williams “ProMar 200 Zero Interior Latex, Series B31-2600.”
6. Latex-based Interior Eggshell: Sherwin Williams “ProMar 200 Zero Interior Latex, Series B20-2600.”

2.5 SOURCE QUALITY CONTROL

A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure:

1. Owner will engage the services of a qualified testing agency to sample paint materials. Contractor will be notified in advance and may be present when samples are taken. If paint materials have already been delivered to Project site, samples may be taken at Project site. Samples will be identified, sealed, and certified by testing agency.
2. Testing agency will perform tests for compliance with product requirements.
3. Owner may direct Contractor to stop applying paints if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

1. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.
2. Proceed with paint application only after unsatisfactory conditions have been corrected and surfaces receiving paint are thoroughly dry.
3. Start of painting will be construed as Applicator's acceptance of surfaces and conditions within a particular area.

B. Testing of existing masonry surfaces: Applicator shall evaluate the existing paint systems to determine if surfaces are acceptable for overcoating. Issues to be addressed included, but are not limited to, total film thickness, number of coats, quality of adhesion to the substrate and between coats, and defects in the film.

1. Perform the following physical tests at a minimum of 3 locations for the corridors and 3 locations in toilet rooms:

   a. Measure total dry film thickness and number of coats with a Tooke gauge.
   b. Visually inspect the film for defects such as delamination, cracking and blistering.
   c. Check adhesion at the same locations where dry film thickness readings were taken, using the following adhesion test methods:

      1) ‘‘X’’ Scribe and Tape Test - Conduct this test in accordance with ASTM D 3359 Standard Test Methods for Measuring Adhesion by Tape Test, Method A.
      2) Knife Adhesion – Probe at the coating with the point of a knife blade in an attempt to delaminate the coating system between coats or from the substrate.

2. Document the results of each test.

C. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:

1. Concrete: 12 percent.
2. Fiber-Cement Board: 12 percent.
3. Masonry: 12 percent.
4. Wood: 15 percent.
5. Gypsum Board: 12 percent.

D. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.

3.2 PREPARATION

A. Comply with manufacturer's written instructions applicable to substrates and paint systems indicated.

B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.

C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
2. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

D. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.

1. Provide barrier coats over incompatible primers or remove and reprime.
2. Cementitious Materials: Prepare concrete and concrete masonry surfaces to be painted. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods of surface preparation.

    a. Use abrasive blast-cleaning methods if recommended by paint manufacturer.
    b. Determine alkalinity and moisture content of surfaces by performing appropriate tests. If surfaces are sufficiently alkaline to cause the finish paint to blister and burn, correct this condition before application. Do not paint surfaces where moisture content exceeds that permitted in manufacturer's written instructions.

3. Wood: Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.

a. Scrape and clean small, dry, seasoned knots, and apply a thin coat of white shellac or other recommended knot sealer before applying primer. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood filler. Sand smooth when dried.
b. Prime, stain, or seal wood to be painted immediately on delivery. Prime edges, ends, faces, undersides, and back sides of wood, including cabinets, counters, cases, and paneling.
c. If transparent finish is required, backprime with spar varnish.
d. Backprime paneling on interior partitions where masonry, plaster, or other wet wall construction occurs on back side.
e. Seal tops, bottoms, and cutouts of unprimed wood doors with a heavy coat of varnish or sealer immediately on delivery.

4. Ferrous Metals: Clean ungalvanized ferrous-metal surfaces that have not been shop coated; remove oil, grease, dirt, loose mill scale, and other foreign substances. Use solvent or mechanical cleaning methods that comply with surface preparation specifications prepared by The Society for Protective Coatings (SSPC).

a. Abrasive blast clean steel surfaces as recommended by paint system manufacturer and according to requirements of SSPC-SP 6, Commercial Blast Cleaning.
b. Treat bare and sandblasted or pickled clean metal with a metal treatment wash coat before priming.
c. Touch up bare areas and shop-applied prime coats that have been damaged. Wirebrush, clean with solvents recommended by paint manufacturer, and touch up with the same primer as the shop coat.

5. Galvanized Surfaces: Clean galvanized surfaces with nonpetroleum-based solvents so surface is free of oil and surface contaminants. Remove pretreatment from galvanized sheet metal fabricated from coil stock by mechanical methods.
6. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.

E. Materials Preparation: Mix and prepare paint materials according to manufacturer's written instructions.

1. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.
2. Stir material before application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material. If necessary, remove surface film and strain paint before using.
3. Use only thinners approved by paint manufacturer and only within recommended limits.

3.3 APPLICATION

A. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.

1. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
2. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
3. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
5. Paint interior surfaces of ducts with a flat, nonspecular black paint where visible through registers or grilles.
6. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.

B. Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.

1. Brush Application: Use brushes best suited for material applied and of appropriate size for the surface or item being coated.

    a. Apply primers and first coats by brush unless manufacturer's written instructions permit using roller or mechanical applicators.
    b. Brush out and work brush coats into surfaces in an even film.
    c. Eliminate cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections. Neatly draw glass lines and color breaks.

2. Rollers: Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended by manufacturer for the material and texture required.
3. Spray Equipment: Use mechanical methods to apply coating if permitted by manufacturer's written instructions and governing regulations.

    a. Use airless or air-assisted spray equipment with orifice size recommended by manufacturer for material and texture required.
    b. Apply each coat to provide the equivalent hiding of brush-applied coats.
    c. Do not double back with spray equipment building-up film thickness of two coats in one pass, unless recommended by manufacturer.

C. Minimum Coating Thickness: Apply paint materials no thinner than manufacturer's recommended spreading rate. Provide the total dry film thickness of the entire system as recommended by the manufacturer. Finish coats shall be provided in the dry film thickness specified in the schedules located at the end of this Section.

D. Block Fillers: Apply block fillers to concrete masonry and cast-in-place concrete at a rate to ensure complete coverage with all pores filled.

E. Prime Coats: Before applying finish coats, apply a prime coat of material, as recommended by the manufacturer, to substrates that are required to be painted or finished and that have not been prime coated by others.

1. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn through or other defects due to insufficient sealing.

F. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.

1. Apply additional coats as required to provide a completely opaque and uniform finish surface.
2. Deep and accent clear-base colors may require 1-2 more coats to achieve the proper hide

G. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

H. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.4 FIELD QUALITY CONTROL

A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.

1. Contractor shall touch up and restore painted surfaces damaged by testing.
2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

3.5 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

D. Provide "Wet Paint" signs to protect newly painted finishes. Remove temporary protective wrappings provided by others to protect their work after completing painting operations.

1. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces. Comply with procedures specified in Painting and Decorating Contractors of America (PDCA) Specification P1.

3.6 INTERIOR PAINT SCHEDULE

A. General: Provide the designated paint systems for the various substrates, as indicated in the Room Finish Schedule.

B. Concrete Masonry Units in Corridors:

1. Water Based Epoxy: Three coats

a. Block Filler: Block Filler, for uncoated surfaces only.
b. First Coat: Satin Water-Based Epoxy (4-6 mils)
c. Second Coat: Satin Water-Based Epoxy (4-6 mils)

C. Concrete Masonry Units in Areas Subject to Moisture:

1. Gloss Epoxy Coating:

a. Block Filler: Block Filler, for uncoated surfaces only.
b. First Coat: Gloss Epoxy Finish (6-8 mils)
c. Second Coat: Gloss Epoxy Finish (6-8 mils)

D. Gypsum Board Walls and Partitions (Not Subject to Moisture and Food Preparation):

1. Eggshell Enamel Finish: Three coats

a. Primer: Latex-based Interior Primer
b. First Coat: Latex-based Interior Eggshell (1.7 mils)
c. Second Coat: Latex-based Interior Eggshell (1.7 mils)

E. Non-Galvanized Ferrous Metal:

1. Acrylic: Three coats

a. Primer: Rust Inhibiting Primer (Primer is not required on shop primed items. Shop primer may require field touchup.)
b. First Coat: Semi-Gloss Acrylic Polymer (3 mils)
c. Second Coat: Semi-Gloss Acrylic Polymer (3 mils)

F. Painted Woodwork: Provide the following painted finishes for new interior woodwork

1. Acrylic: Three coats

a. Primer: Wood Primer (2-3 mils)
b. First Coat: Gloss Acrylic Polymer (2-3 mils)
c. Second Coat: Gloss Acrylic Polymer (2-3 mils)

END OF SECTION 09 91 23

SECTION 10 44 00 - FIRE PROTECTION SPECIALTIES

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Fire-protection cabinets for portable fire extinguishers.
2. Mounting brackets for fire extinguishers.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Review methods and procedures related to fire-protection cabinets including, but not limited to, the following:

a. Schedules and coordination requirements.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Show cabinet door hardware, cabinet type, trim style, and panel style. Include roughing-in dimensions and details showing recessed-, semirecessed-, or surface-mounting method and relationships of box and trim to surrounding construction and mounting brackets.

B. Shop Drawings: For fire-protection cabinets. Include plans, elevations, sections, details, and attachments to other work.

C. Samples: For each type of exposed finish required.

D. Product Schedule: For fire-protection cabinets. Indicate whether recessed, semirecessed, or surface mounted.

1.4 INFORMATIONAL SUBMITTALS

A. Warranty: Sample of special warranty.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For fire-protection cabinets to include in maintenance manuals.

1.6 COORDINATION

A. Coordinate size of fire-protection cabinets to ensure that type and capacity of fire extinguishers are accommodated.

B. Coordinate sizes and locations of fire-protection cabinets with wall depths.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Rated Fire-Protection Cabinets: Listed and labeled to comply with requirements in ASTM E 814 for fire-resistance rating of walls where they are installed.

2.2 FIRE-PROTECTION CABINETS

A. Cabinet Type: Suitable for fire extinguisher.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

    a. American Specialties, Inc.
    b. JL Industries, Inc.; a division of the Activar Construction Products Group.
    c. Larsens Manufacturing Company.

B. Cabinet Construction: Nonrated and 1-hour fire rated.

1. Fire-Rated Cabinets: Construct fire-rated cabinets with double walls fabricated from 0.043-inch- (1.09-mm-) thick cold-rolled steel sheet lined with minimum 5/8-inch- (16-mm) thick fire-barrier material. Provide factory-drilled mounting holes.

C. Cabinet Material: Cold-rolled steel sheet.

1. Shelf: Same metal and finish as cabinet.

D. Recessed Cabinet:

1. Exposed Flat Trim: One-piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend).

E. Semirecessed Cabinet: One-piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend).

1. Square-Edge Trim: 1-1/4- to 1-1/2-inch (32- to 38-mm) backbend depth.

F. Surface-Mounted Cabinet: Cabinet box fully exposed and mounted directly on wall with no trim.

G. Cabinet Trim Material: Aluminum sheet.

H. Door Material: Aluminum sheet.

I. Door Style: Vertical duo panel with frame.

J. Door Glazing: Tempered float glass (clear).

K. Door Hardware: Manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated.

1. Provide recessed, flush door pull and friction latch.
2. Provide continuous hinge, of same material and finish as trim, permitting door to open 180 degrees.

L. Accessories:

1. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as directed by Architect.

a. Identify fire extinguisher in fire-protection cabinet with the words "FIRE EXTINGUISHER."

1) Location: Applied to cabinet door.
2) Application Process: Pressure-sensitive vinyl letters.
3) Lettering Color: Red.
4) Orientation: Vertical.

M. Materials:

1. Cold-Rolled Steel: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B.

a. Finish: Baked enamel or powder coat.
b. Color: White.

2. Aluminum: ASTM B 221 (ASTM B 221M), with strength and durability characteristics of not less than Alloy 6063-T5 for aluminum sheet. ASTM B 221 (ASTM B 221M) for extruded shapes.

a. Finish: Clear anodic.

3. Tempered Float Glass: ASTM C 1048, Kind FT, Condition A, Type I, Quality q3, 3 mm thick, Class 1 (clear).

2.3 MOUNTING BRACKETS

A. Mounting Brackets: Manufacturer's standard galvanized steel, designed to secure fire extinguisher to wall or structure, of sizes required for types and capacities of fire extinguishers indicated, with plated or black baked-enamel finish.

B. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as indicated by Architect.

1. Identify bracket-mounted fire extinguishers with the words "FIRE EXTINGUISHER" in red letter decals applied to mounting surface.

a. Orientation: Vertical.

2.4 FABRICATION

A. Fire-Protection Cabinets: Provide manufacturer's standard box (tub) with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated.

1. Weld joints and grind smooth.
2. Provide factory-drilled mounting holes.

B. Cabinet Doors: Fabricate doors according to manufacturer's standards, from materials indicated and coordinated with cabinet types and trim styles.

1. Fabricate door frames with tubular stiles and rails and hollow-metal design, minimum 1/2 inch (13 mm) thick.
2. Fabricate door frames of one-piece construction with edges flanged.
3. Miter and weld perimeter door frames.

C. Cabinet Trim: Fabricate cabinet trim in one piece with corners mitered, welded, and ground smooth.

2.5 GENERAL FINISH REQUIREMENTS

A. Comply with NAAMM's AMP 500, "Metal Finishes Manual for Architectural and Metal Products," for recommendations for applying and designating finishes.

B. Protect mechanical finishes on exposed surfaces of fire-protection cabinets from damage by applying a strippable, temporary protective covering before shipping.

C. Finish fire-protection cabinets after assembly.

D. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine walls and partitions for suitable framing depth and blocking where recessed and semi-recessed cabinets are to be installed.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Prepare recesses for recessed and semirecessed fire-protection cabinets as required by type and size of cabinet and trim style.

3.3 INSTALLATION

A. Comply with manufacturer's written instructions for installing fire-protection specialties.

B. General: Install mounting brackets in locations indicated and in compliance with requirements of authorities having jurisdiction.

1. Mounting Brackets: 54 inches (1372 mm) above finished floor to top of fire extinguisher.

C. Install fire-protection cabinets in locations and at mounting heights indicated or, if not indicated, in compliance with the requirements of NFPA 10.

1. Prepare recesses for cabinets as required by type and size of cabinet and trim style.
2. Fasten mounting brackets to structure and cabinets, square and plumb.
3. Fasten cabinets to structure, square and plumb.

D. Fire-Protection Cabinets: Fasten cabinets to structure, square and plumb.

1. Unless otherwise indicated, provide recessed fire-protection cabinets. If wall thickness is inadequate for recessed cabinets, provide semirecessed fire-protection cabinets.

E. Identification: Apply vinyl lettering at locations indicated.

3.4 ADJUSTING, CLEANING, AND PROTECTION

A. Adjust cabinet doors to swing and operate freely.

B. Refinish or replace cabinets and doors damaged during installation.

C. Provide final protection and maintain conditions that ensure that cabinets and doors are without damage or deterioration at the time of Substantial Completion.

END OF SECTION 10 44 00

SECTION 12 36 23 - PLASTIC-LAMINATE-CLAD COUNTERTOPS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes plastic-laminate countertops.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product, including panel products, high-pressure decorative laminate, and adhesive for bonding plastic laminate.

1. Include data for fire-retardant treatment from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.

B. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.

1. Show locations and sizes of cutouts and holes for plumbing fixtures, faucets, and other items installed in plastic-laminate countertops.

C. Samples for Verification:

1. Plastic laminates, 8 by 10 inches (200 by 250 mm), for each type, color, pattern, and surface finish, with one sample applied to core material and specified edge material applied to one edge.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For fabricator.

B. Product Certificates: For each type of product.

1. Composite wood products.
2. High-pressure decorative laminate.
3. Adhesives.

C. Woodwork Quality Standard Compliance Certificates: AWI Quality Certification Program certificates.

D. Evaluation Reports: For fire-retardant-treated materials, from ICC-ES.

1.5 QUALITY ASSURANCE

A. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance. Shop is a certified participant in AWI's Quality Certification Program.

B. Installer Qualifications: Fabricator of products.

C. Testing Agency Qualifications: For testing agency providing classification marking for fire-retardant-treated material, an inspection agency acceptable to authorities having jurisdiction that periodically performs inspections to verify that the material bearing the classification marking is representative of the material tested.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver countertops until painting and similar operations that could damage countertops have been completed in installation areas. If countertops must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.7 FIELD CONDITIONS

A. Environmental Limitations: Do not deliver or install countertops until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F (16 and 32 deg C) and relative humidity between 43 and 70 percent during the remainder of the construction period.

B. Field Measurements: Verify dimensions of countertops by field measurements after base cabinets are installed but before countertop fabrication is complete.

PART 2 - PRODUCTS

2.1 PLASTIC-LAMINATE COUNTERTOPS

A. Quality Standard: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades indicated for construction, installation, and other requirements.

1. Provide labels from AWI certification program indicating that countertops, including installation, comply with requirements of grades specified.
2. The Contract Documents contain selections chosen from options in the quality standard and additional requirements beyond those of the quality standard. Comply with those selections and requirements in addition to the quality standard.

B. Grade: Custom.

C. High-Pressure Decorative Laminate: NEMA LD 3, Grade HGP.

1. Basis-of-Design Product: The design is based on the products named in the Material Finish Legend. Subject to compliance with requirements, provide either the named products or comparable products by one of the following:

    a. Abet Laminati Inc.
    b. Formica Corporation.
    c. Lamin-Art, Inc.
    d. Nevamar; a Panolam Industries International, Inc. brand.
    e. Pionite; a Panolam Industries International, Inc. brand.
    f. Wilsonart LLC.

2. Colors, Patterns, and Finishes: As selected by the Architect from the manufacturer's full range of colors.

D. Edge Treatment: Same as laminate cladding on horizontal surfaces with 1/2-inch (12.7 mm) radius waterfall edge.

E. Core Material: Medium-Density Fiberboard: ANSI A208.2, Grade MD-Exterior Glue.

F. Core Thickness: 3/4 inch (19 mm). Build up countertop thickness to 1-1/2 inches (38 mm) at front, back, and ends with additional layers of core material laminated to top.

2.2 WOOD MATERIALS

A. Composite Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified unless otherwise indicated. Urea formaldehyde free.

1. Medium-Density Fiberboard: ANSI A208.2, Grade 130.
2. Particleboard: ANSI A208.1, Grade M-2-Exterior Glue.

    a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

        1) Environ Biocomposites Manufacturing LLC.
        2) Sierra Pine Composite Solutions.
        3) Sorm Incorporated.

B. Fire-retardant-treated materials.

2.3 MISCELLANEOUS MATERIALS

A. Adhesive for Bonding Plastic Laminate: Unpigmented contact cement.

1. Adhesive for Bonding Edges: Hot-melt adhesive or adhesive specified above for faces.

B. Adhesives: Urea formaldehyde free.

2.4 FABRICATION

A. Sand fire-retardant-treated wood lightly to remove raised grain on exposed surfaces before fabrication.

B. Fabricate countertops to dimensions, profiles, and details indicated. Provide front and end overhang of 1 inch (25 mm) over base cabinets. Ease edges to radius indicated for the following:

C. Complete fabrication, including assembly, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.

1. Notify Architect seven days in advance of the dates and times woodwork fabrication will be complete.
2. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that various parts fit as intended and check measurements of assemblies against field measurements before disassembling for shipment.

PART 3 - EXECUTION

3.1 PREPARATION

A. Before installation, condition countertops to average prevailing humidity conditions in installation areas.

B. Before installing countertops, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

3.2 INSTALLATION

A. Grade: Install countertops to comply with same grade as item to be installed.

B. Assemble countertops and complete fabrication at Project site to the extent that it was not completed in the shop.

1. Provide cutouts for appliances, plumbing fixtures, electrical work, and similar items.
2. Seal edges of cutouts by saturating with varnish.

C. Field Jointing: Where possible, make in the same manner as shop jointing, using dowels, splines, adhesives, and fasteners recommended by manufacturer. Prepare edges to be joined in shop so Project-site processing of top and edge surfaces is not required. Locate field joints where shown on Shop Drawings.

1. Secure field joints in plastic-laminate countertops with concealed clamping devices located within 6 inches (150 mm) of front and back edges and at intervals not exceeding

24 inches (600 mm). Tighten according to manufacturer's written instructions to exert a constant, heavy-clamping pressure at joints.

D. Install countertops level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm).

E. Scribe and cut countertops to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.

F. Fire-Retardant-Treated Wood: Handle, store, and install fire-retardant-treated wood to comply with chemical treatment manufacturer's written instructions, including those for adhesives used to install woodwork.

G. Countertops: Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop.

1. Install countertops with no more than 1/8 inch in 96-inch (3 mm in 2400-mm) sag, bow, or other variation from a straight line.
2. Seal junctures of tops and walls with mildew-resistant silicone sealant or another permanently elastic sealing compound recommended by countertop material manufacturer.

3.3 ADJUSTING AND CLEANING

A. Repair damaged and defective countertops, where possible, to eliminate functional and visual defects; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.

B. Clean countertops on exposed and semiexposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

END OF SECTION 12 36 23

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USD 320 Wamego- Phase 2-Bid Package 1- Sports Complex Locker Rooms and District Central Kitchen

These are the preferred bid scopes. It is the intent to select the lowest, responsible bidder or combination of bidders to provide the most benefit economically to the owner. The owner, architect, engineer and / or construction manager reserve the right to reject any and all bids.

BID SCOPES

BID SCOPES	Specification Section Name	Description
02A-Demolition		
02.41.19	Selective Demolition- Demo of existing football locker room only.	Complete- Labor and equipment to demo items per plans.
02B-Site Demolition		
02.41.19	Selective Demolition- Demo of all site items noted, including but not limited to fence, gates, sidewalks and trees.	Complete- Labor and equipment to demo items per plans.
03A-Building Concrete		
03.30.00	Cast in Place Concrete	Complete- Labor, material and equipment
03.33.00	Architectural Concrete	Complete- Labor, material and equipment
31.20.00	Earth Moving	Complete- Labor, material and equipment for this scope only and per requirements in geotechnical report.
	* The building pad will be constructed by the earthwork subcontractor. After the pad is built, the concrete subcontractor will excavate and backfill as necessary for footing / foundation installation.	
07.21.00	Thermal Insulation	Complete- Labor, material and equipment for foundation insulation.
04A-Masonry		
04.20.00	Unit Masonry	Complete- Labor, material and equipment
07.21.00	Thermal Insulation	Complete- Labor, material and equipment for rigid masonry in between wythes of masonry.
05A-Steel Supply		
05.12.00	Structural Steel Framing	Furnish and deliver to job site
05.21.00	Steel Joist Framing	Furnish and deliver to job site
05.31.00	Steel Decking	Furnish and deliver to job site
05.50.00	Metal Fabrications- EXCLUDING COUNTERTOP SUPPORTS (IF APPLICABLE)	Furnish and deliver to job site
05.52.13	Pipe and Tube Railings	Furnish and deliver to job site
05B-Steel Erection		
05.12.00	Structural Steel Framing	Labor and equipment for install only.
05.21.00	Steel Joist Framing	Labor and equipment for install only.
05.31.00	Steel Decking	Labor and equipment for install only.
05.50.00	Metal Fabrications- EXCLUDING COUNTERTOP SUPPORTS (IF APPLICABLE)	Labor and equipment for install only.
05.52.13	Pipe and Tube Railings	Labor and equipment for install only.
	*Welding materials is included in this scope.	
06A-Rough Carpentry		
06.10.00	Rough Carpentry	Complete- Labor, material and equipment
06.17.53	Shop-Fabricated Wood Trusses	Labor and equipment for install only.
	*Roof wood sheathing	Complete- Labor, material and equipment
	*Nails, screws and other misc. fasteners are included in this scope.	
06B-Trusses Supply		
06.17.53	Shop-Fabricated Wood Trusses	Furnish and delivery only.
06C-Cabinetry		

USD 320 Wamego- Phase 2-Bid Package 1- Sports Complex Locker Rooms and District Central Kitchen

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BID SCOPES

BID SCOPES	Specification Section Name	Description
06.41.16	Plastic-Laminate-Faced Architectural Cabinets	Furnish and delivery only.
12.36.23	Plastic-Laminate-Clad Countertops	Furnish and delivery only.
05.58.00	Formed-Metal Fabrications	Complete- Labor, material and equipment
07A-EIFS		
07.24.19	Water-Drainage Exterior Insulation and Finish System (EIFS)	Complete- Labor, material and equipment
07.92.00	Joint Sealants	Complete- Labor, material and equipment for this scope only.
07B-Roofing		
07.31.13	Asphalt Shingles	Complete- Labor, material and equipment
07.42.93	Soffit Panels	Complete- Labor, material and equipment
07.52.13	Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing	Complete- Labor, material and equipment
07.71.00	Roof Specialties	Complete- Labor, material and equipment
07.72.00	Roof Accessories	Complete- Labor, material and equipment
07.92.00	Joint Sealants	Complete- Labor, material and equipment for this scope only.
07C-Waterproofing		
07.13.26	Self-Adhering Sheet Waterproofing	Complete- Labor, material and equipment
07.92.00	Joint Sealants	Complete- Labor, material and equipment for this scope only.
07D-Thermal Insulation		
07.21.00	Thermal Insulation- Includes all insulation EXCEPT masonry and concrete rigid board insulation.	Complete- Labor, material and equipment
07E- Joint Sealants		
07.92.00	Joint Sealants- All joint sealants EXCEPT as required in scope 22A, 07C, 07B, 07A and 32A.	Complete- Labor, material and equipment
08A-HM Doors and Frames		
08.11.13	Hollow Metal Doors and Frames	Furnish and deliver only.
08.71.00	Door Hardware-**Locker Rooms**- All door hardware EXCEPT Aluminum hardware.	Furnish and deliver only.
08.71.00	Door Hardware-**Central Kitchen**- All door hardware EXCEPT Aluminum hardware.	Furnish and deliver only.
08B-Coiling, Overhead Doors		
08.33.13	Coiling Counter Doors	Complete- Labor, material and equipment
08.33.23	Overhead Coiling Doors	Complete- Labor, material and equipment
08C-Glass and Glazing		
08.80.00	Glazing	Complete- Labor, material and equipment
08.41.13	Aluminum Framed Entrances and Storefronts	Complete- Labor, material and equipment
07.92.00	Joint Sealants	Complete- Labor, material and equipment for this scope only.
09A-Flooring		
09.65.19	Wall Base and Accessories	Complete- Labor, material and equipment
09.68.13	Tile Carpeting	Complete- Labor, material and equipment
09B-Resinous Flooring		

USD 320 Wamego- Phase 2-Bid Package 1- Sports Complex Locker Rooms and District Central Kitchen

These are the preferred bid scopes. It is the intent to select the lowest, responsible bidder or combination of bidders to provide the most benefit economically to the owner. The owner, architect, engineer and / or construction manager reserve the right to reject any and all bids.

BID SCOPES

BID SCOPES	Specification Section Name	Description
09.67.23	Resinous Flooring	Complete- Labor, material and equipment
09C-Painting		
09.91.13	Exterior Painting	Complete- Labor, material and equipment
09.91.23	Interior Painting	Complete- Labor, material and equipment
09D-Floor Sealer		
09.61.13	Floor Sealers	Complete- Labor, material and equipment
09D-Drywall		
05.40.00	Cold-Formed Metal Framing	Complete- Labor, material and equipment
09.21.16	Gypsum Board Assemblies	Complete- Labor, material and equipment
09.51.13	Acoustical Panel Ceilings	Complete- Labor, material and equipment
10A-Specialties		
10.11.16	Markerboards	Furnish and delivery only.
10.21.13	Toilet Compartments	Furnish and delivery only.
10.28.00	Toilet and Bath Accessories	Furnish and delivery only.
10.41.16	Emergency Key Cabinets	Furnish and delivery only.
10.44.00	Fire Protection Specialties	Furnish and delivery only.
10.51.13	Metal Lockers	Furnish and delivery only.
10.51.15	Metal Athletic Lockers	Furnish and delivery only.
11.13.16	Loading Dock Seals and Shelters	Furnish and delivery only.
10.44.00	Fire Protection Specialties (FORTHCOMING IN ADDENDUM)	Furnish and delivery only.
11.52.13	Projection Screens	Furnish and delivery only.
10B-Signage		
10.14.19	Dimensional Letter Signage	Complete- Labor, material and equipment
11A-Loading Dock Equipment		
11.13.16	Stationary Loading Dock Equipment	Complete- Labor, material and equipment
22A-Plumbing		
Division 22	Plumbing	Complete- Labor, material and equipment
07.92.00	Joint Sealants	Complete- Labor, material and equipment for this scope only.
31.20.00	Earth Moving	Complete- Labor, material and equipment for this scope only and per requirements in geotechnical report.
	* Includes extending all plumbing as shown, from the building, 5'-0" and capping for connection by the utility contractor. This scope DOES NOT include rain leaders.	
23A-HVAC		
Division 23	HVAC	Complete-Labor, material and equipment
26A-Electrical		
Division 26	Electrical	Complete- Labor, material and equipment
28.72.10	Fire Alarm Systems	Complete- Labor, material and equipment
31.20.00	Earth Moving	Complete- Labor, material and equipment for this scope only.
07.92.00	Joint Sealants	Complete- Labor, material and equipment for this scope only.
31A-Sitework		

Bidders can bid any or all of these sections.

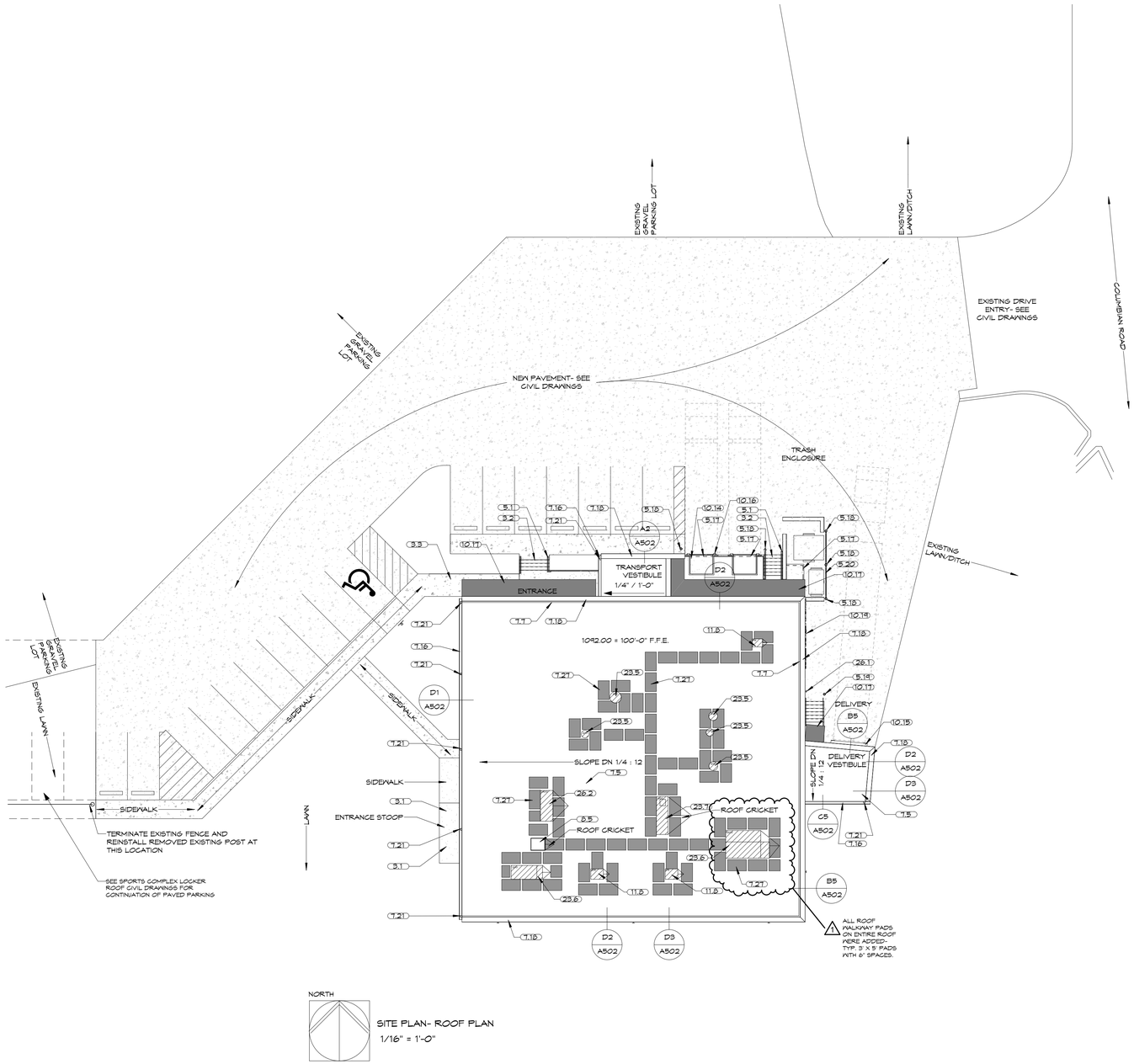
USD 320 Wamego- Phase 2-Bid Package 1- Sports Complex Locker Rooms and District Central Kitchen

These are the preferred bid scopes. It is the intent to select the lowest, responsible bidder or combination of bidders to provide the most benefit economically to the owner. The owner, architect, engineer and / or construction manager reserve the right to reject any and all bids.

BID SCOPES

BID SCOPES	Specification Section Name	Description
*See 02B for Site Demo		
31.20.00	Earth Moving	Complete- Labor, material and equipment
	* Includes constructing the building subgrade pad. This pad will then be excavated and backfilled by the concrete subcontractor, as necessary for footing installation.	
	* Including finish grading, stockpiling of rock at parking lot, LVC under pavement areas as indicated and topsoil furnish and install.	
	* Includes requirements of earthwork in geotechnical report.	
32A-Paving		
	Paving, Curb and Gutter	Complete- Labor, material and equipment
	Striping / Painting and Joint Sealing of Parking Lot	Complete- Labor, material and equipment
33A-Utilities		
	Site utilities as shown on civil plans AND per utility scope clarification plans (Addendum 2).	Complete- Labor, material and equipment
	Includes rain leaders, storm water piping, connecting rain leaders to downspouts.	Complete- Labor, material and equipment
	Gas line and Fiber Optic line to be coordinate by C&A.	
50A-Misc. INSTALL		
10.11.16	Markerboards	Install only.
10.21.13	Toilet Compartments	Install only.
10.28.00	Toilet and Bath Accessories	Install only.
10.41.16	Emergency Key Cabinets	Install only.
10.44.00	Fire Protection Specialties	Install only.
10.51.13	Metal Lockers	Install only.
10.51.15	Metal Athletic Lockers	Install only.
11.13.16	Loading Dock Seals and Shelters	Install only.
10.44.00	Fire Protection Specialties (FORTHCOMING IN ADDENDUM)	Install only.
08.11.13	Hollow Metal Doors and Frames	Install only.
08.71.00	Door Hardware-**Locker Rooms**- All door hardware EXCEPT Aluminum hardware.	Install only.
08.71.00	Door Hardware-**Central Kitchen**- All door hardware EXCEPT Aluminum hardware.	Install only.
06.41.16	Plastic-Laminate-Faced Architectural Cabinets	Install only.
12.36.23	Plastic-Laminate-Clad Countertops	Install only.
11.52.13	Projection Screens	Install only.

Bidders can bid any or all of these sections.



NORTH

SITE PLAN- ROOF PLAN
1/16" = 1'-0"

NOTES	
3.1	CONCRETE- SLAB ON GRADE- SEE STRUCTURAL DRWG.
3.2	CONCRETE STAIRS- SEE STRUCTURAL DRWG.
3.3	EXTERIOR CONCRETE PAVEMENT- SEE CIVIL DRWG.
5.1	GALVANIZED 2" O.D. GUARDRAIL WITH 1 1/2" O.D. HANDRAIL
5.17	GALVANIZED LINKED CHAIN WITH HASP
5.18	GALVANIZED 6" STEEL BOLLARD
5.19	GALVANIZED 4" STEEL BOLLARD
5.20	GALVANIZED STEEL TRASH GATE- 2" X 4" FRAME W/LOUVERS
7.5	APP MOD. BIT. ROOFING MEMBRANE
7.7	GANT STRIP
7.16	5" ALUMINUM BOX GUTTER
7.18	MANUFACTURED METAL COPING
7.21	5" X 5" ALUMINUM DOWNSPOUT
7.31	ROOF WALKWAY PAD, 3'-0" X 5'-0" TYP.
8.5	ROOF ACCESS HATCH
10.14	DOCK LEVELER
10.15	DOCK SEALER
10.16	DOCK BUMPER
10.17	METAL AWNING
10.18	EXTERIOR SIGNAGE
11.8	REFRIGERATOR CONDENSING UNIT- SEE FOOD SERVICE DRWG.
23.5	KITCHEN EXHAUST FAN- SEE MECH. DRAW.
23.6	ROOF TOP UNIT- SEE MECH. DRAW.
23.7	MAKEUP AIR UNIT- SEE MECH. DRAW.
26.1	LIGHT FIXTURE-SEE ELEC. DRWG.
26.2	BACK-UP GENERATOR FOR REFRIG- SEE ELECTRAL DRWG.

BBN ARCHITECTS INC
228 POYNTZ AVENUE
MANHATTAN, KANSAS 66502
PH: 785-776-4912 - FAX: 785-776-0944
WWW.BBNARCHITECTS.COM

REV	DESCRIPTION	DATE
1	ADDENDUM 4	8/31/17

PATRICK A. SEAY
9-1-17
KANSAS
REGISTERED PROFESSIONAL ARCHITECT

Project Number: **16036**

Date: **7/7/17**

Project Name:

USD 320 WAMEGO- DISTRICT KITCHEN

Project Address:

4290 COLUMBIAN ROAD WAMEGO, KS

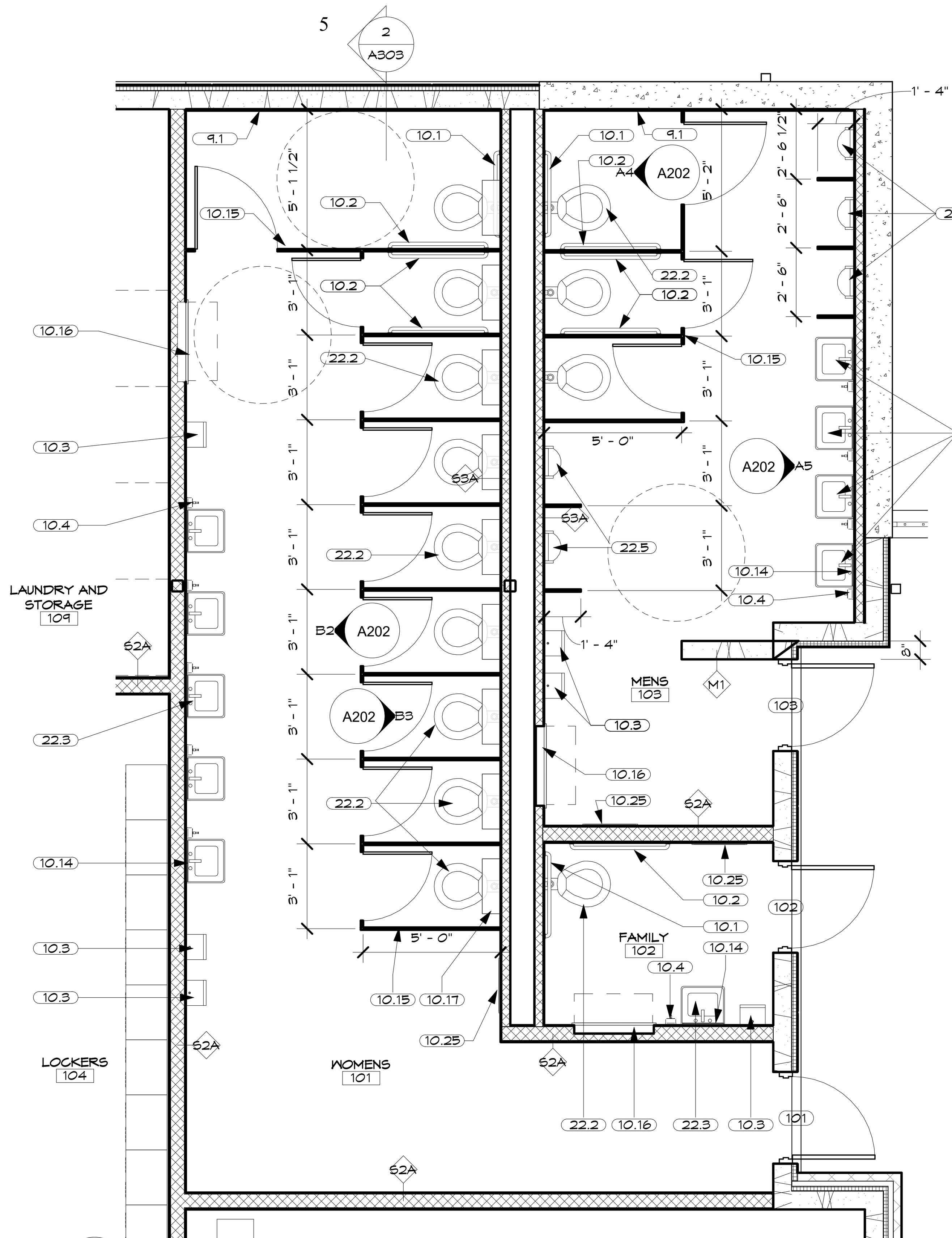
Sheet Title:

SITE PLAN

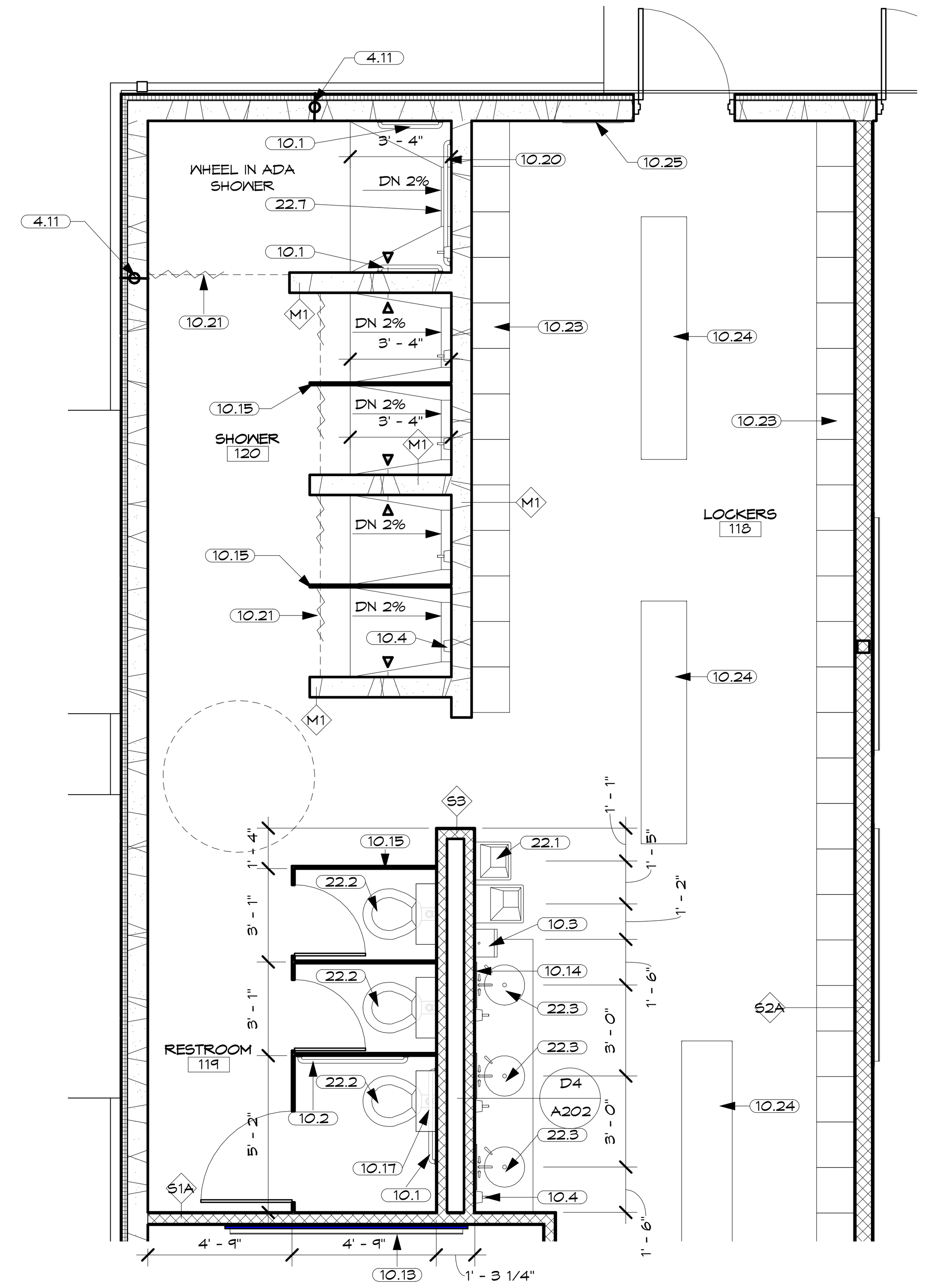
Sheet:

A101

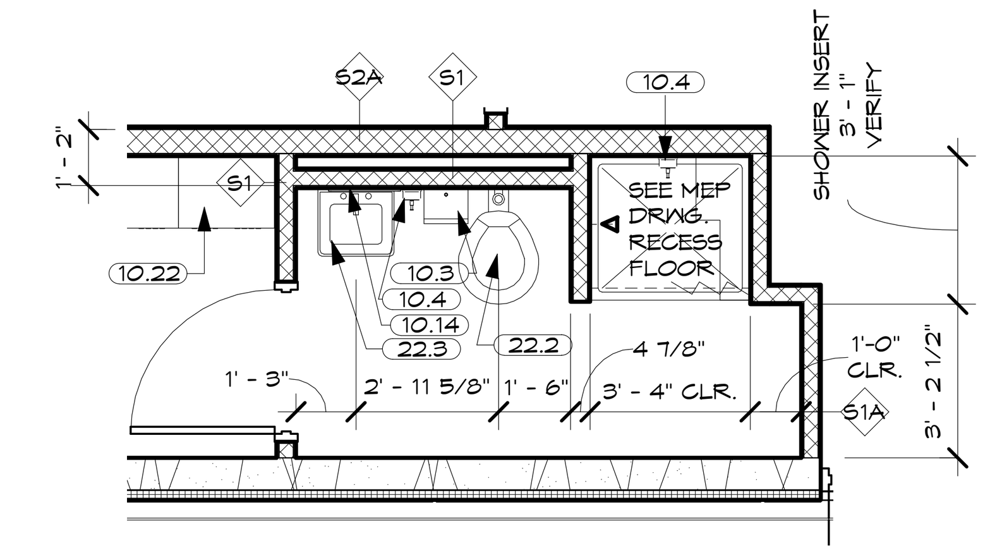
Of:



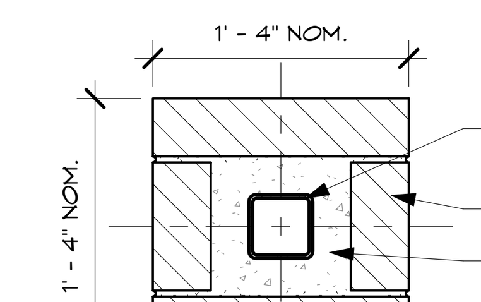
B5 A102 ENLARGED RESTROOM PLAN
1/4" = 1'-0"



B3 A102 ENLARGED LOCKERS 118 AND RESTROOM PLAN
1/4" = 1'-0"

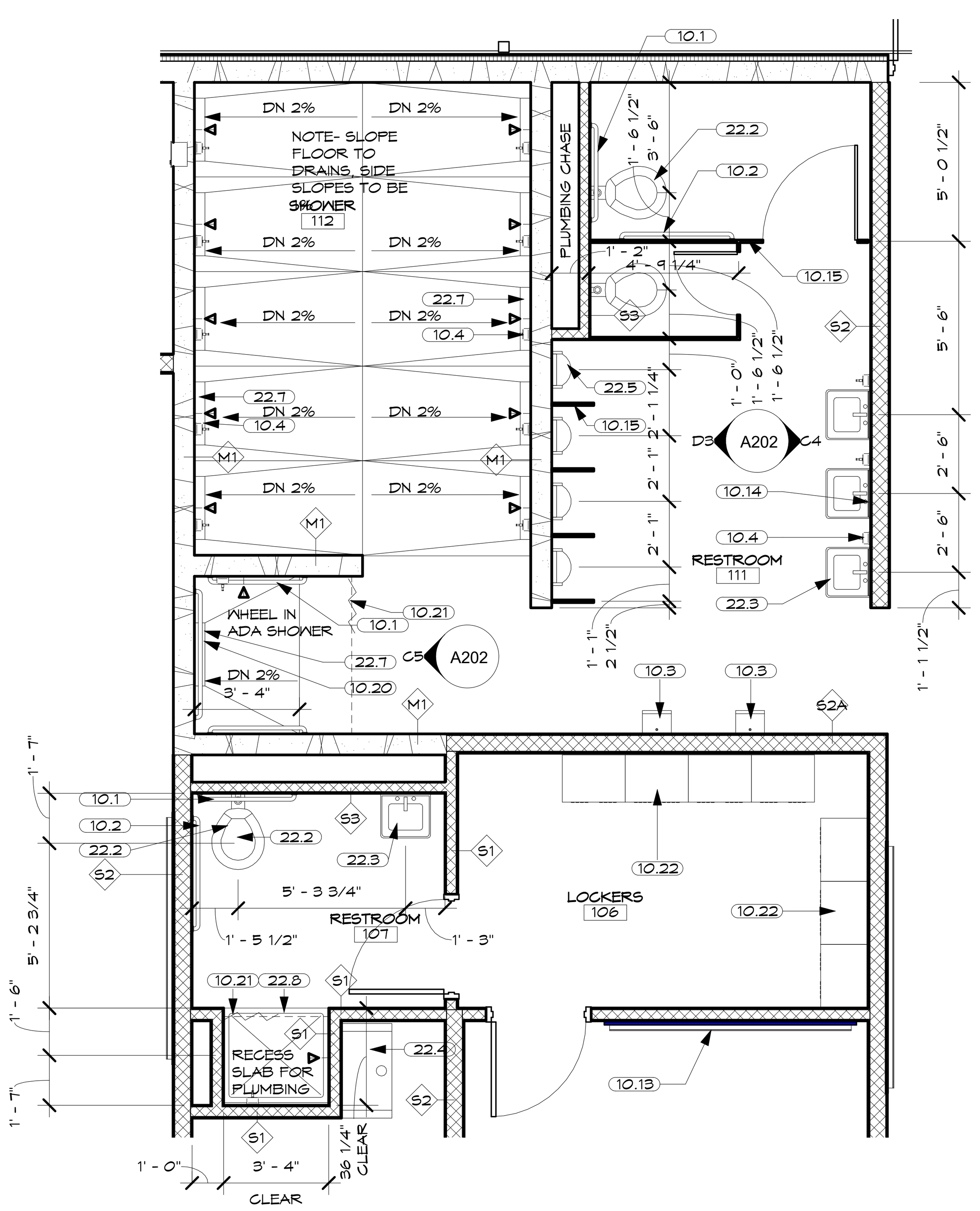


A2 A102 ENLARGED OFFICIALS RESTROOM
1/4" = 1'-0"

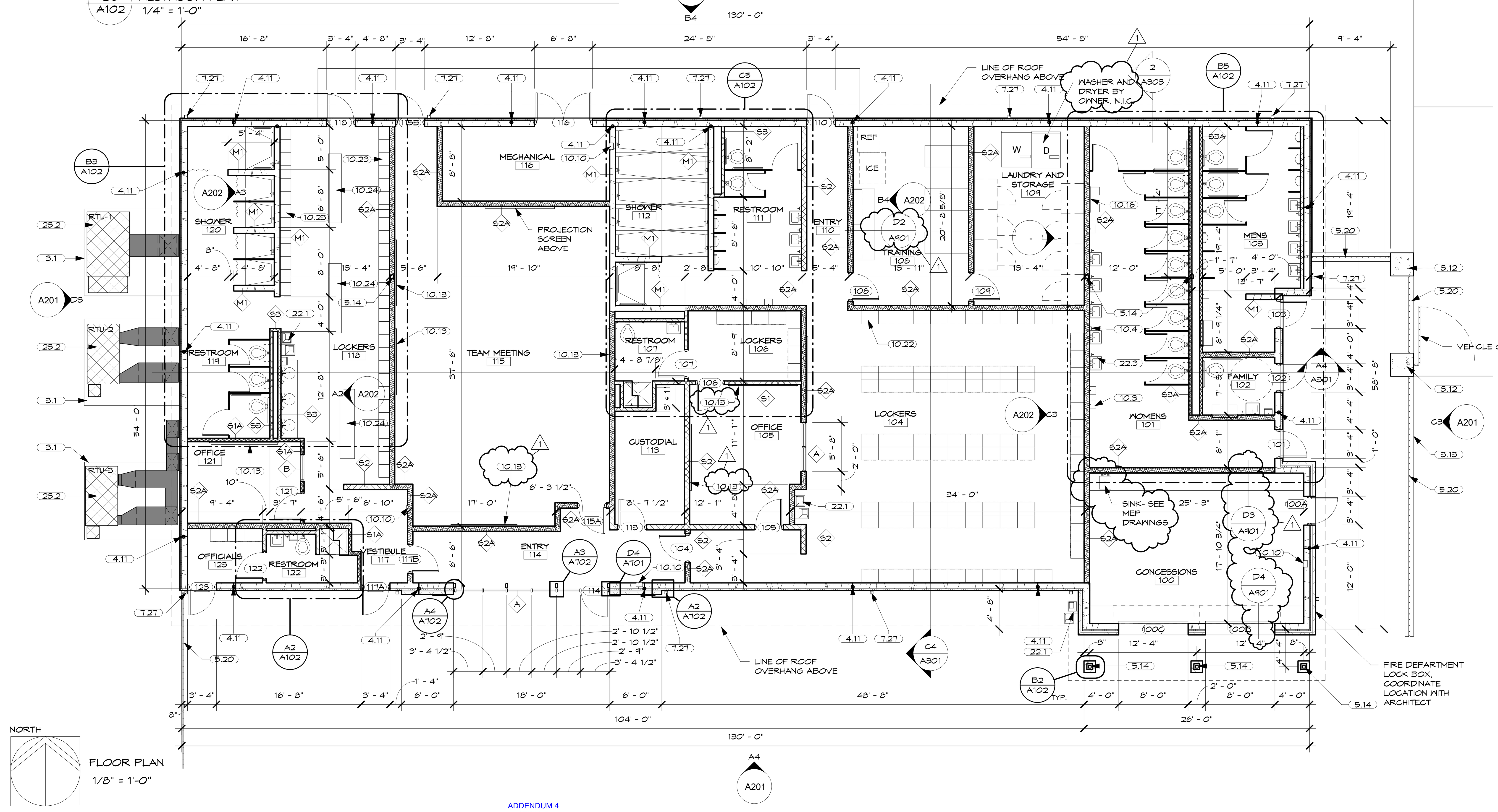


B2 A102 STEEL TO MASON COLUMN DETAIL- PLAN
1" = 1'-0"

	NOTES
3.1	CONCRETE- SLAB ON GRADE- SEE STRUCTURAL DRWG.
3.12	CONCRETE COLUMN
3.13	CONCRETE RETAINING WALL
4.6	SOLID GROUT
4.10	4" BURNISHED BLOCK VENEER
4.11	MASONRY CONTROL JOINT
5.14	STEEL COLUMN- SEE STRUCTURAL DRWG.
5.20	ALUMIMUM FENCE
7.27	4" X 4" DOWNSPOUT- TIE INTO DRAINS- SEE CIVIL
9.1	5/8" TYPE 'X' GYP. BD. IMPACT RESISTANT
10.1	36" GRAB BAR
10.2	42" GRAB BAR
10.3	PAPER TOWEL DISPENSER- OWNER PROVIDED- N.I.C.
10.4	SOAP DISPENSER- OWNER PROVIDED- N.I.C.
10.10	FIRE EXTINGUISHER CABINET
10.13	MARKER BOARD
10.14	MIRROR- 18" X 36"
10.15	TOILET PARTITION
10.16	BABY CHANGING STATION
10.17	WALL SHELF
10.20	48" GRAB BAR
10.21	SHOWER CURTAIN, ROD, HOOKS
10.22	ATHLETIC LOCKERS
10.23	TWO TIER LOCKERS
10.24	LOCKER ROOM BENCH
10.25	FULL LENGTH MIRROR-24" X 60"
22.1	DRINKING FOUNTAIN- SEE PLUMBING DRWG.
22.2	TOILET- SEE PLUMBING DRWG.
22.3	LAVATORY- SEE PLUMBING DRWG.
22.4	SERVICE SINK- SEE PLUMBING DRWG.
22.5	URINAL- SEE PLUMBING DRWG.
22.7	FLOOR DRAIN- SEE PLUMBING DRWG.
22.8	SHOWER- SEE PLUMBING DRWG.- RECESS SLAB FOR DRAIN.
23.2	MECHANICAL EQUIPMENT-SEE MECH. DRWG.



C5 A102 ENLARGED PLAN- ROOM 106,107,111, AND 112
1/4" = 1'-0"



FLOOR PLAN
1/8" = 1'-0"

BBN

BBN ARCHITECTS INC
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WWW.BBNARCHITECTS.COM

REV	DESCRIPTION	DATE
1	ADDENDUM 4	7/31/17

Project Number: 16036

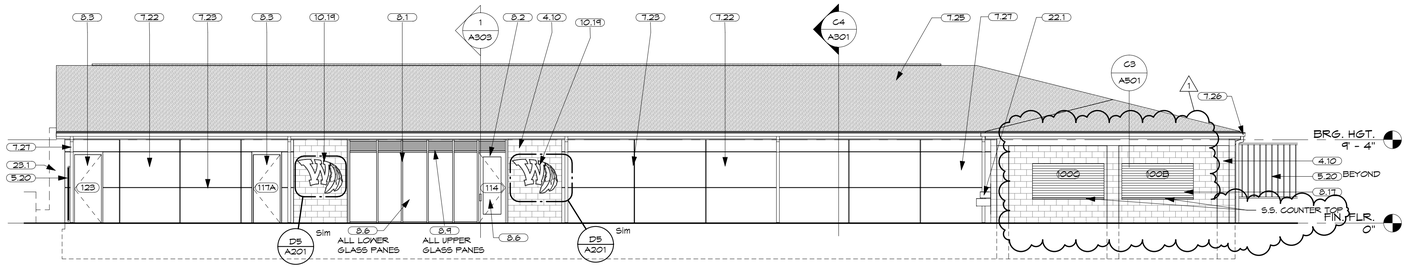
Date: 7/7/17

Project Name:
USD 320 SPORTS COMPLEX LOCKER AND CONCESSIONS

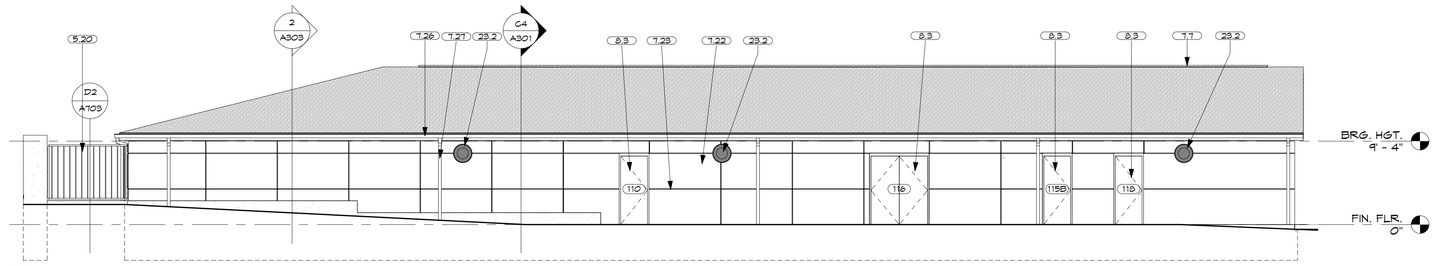
Project Address:
4290 COLUMBIAN ROAD WAMEGO, KS

Sheet Title:
FLOOR PLAN

Sheet:
A102

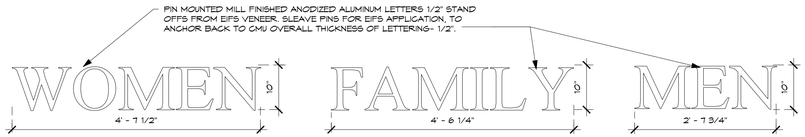


A4 A201 SOUTH
1/8" = 1'-0"

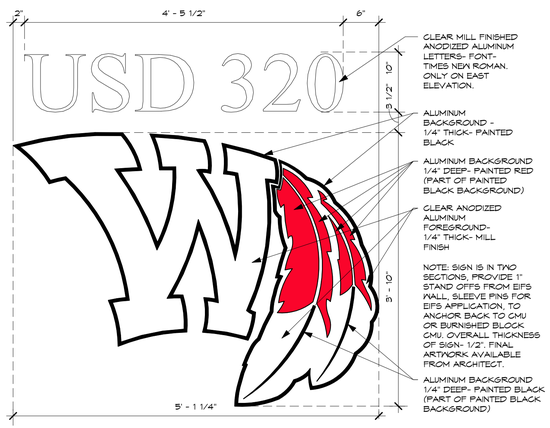


B4 A201 NORTH
1/8" = 1'-0"

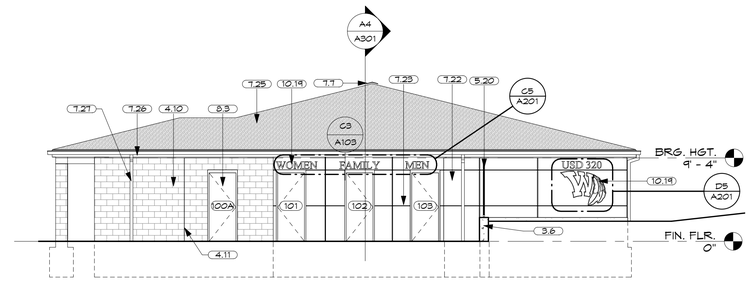
NOTES	
3.1	CONCRETE- SLAB ON GRADE- SEE STRUCTURAL DRWG.
3.6	CONCRETE FOUNDATION- SEE STRUCTURAL DRWG.
4.1	8" C.M.U.
4.3	12" C.M.U.
4.9	MORTAR
4.10	4" BURNISHED BLOCK VENEER
4.11	MASONRY CONTROL JOINT
5.20	ALUMMUM FENCE
7.5	WATERPROOF MEMBRANE
7.6	2" RIGID WALL INSULATION
7.7	RIDGE VENT
7.21	5" X 5" DOWNSPOUT
7.22	E.I.F.S. VENEER
7.23	E.I.F.S. REVEAL- SEE DETAIL
7.25	COMPOSITION ASPHALT SHINGLES
7.26	5" GUTTER
7.27	4" X 4" DOWNSPOUT- TIE INTO DRAINS- SEE CIVIL
8.1	ALUMINUM STOREFRONT
8.2	ALUMINUM STOREFRONT DOOR
8.3	HOLLOW METAL DOOR
8.6	GLASS TYPE 1- CLEAR INSUL. TEMPERED
8.9	GLASS TYPE 4- CLEAR INSUL. TEMPERED SPANDREL GLASS
8.17	OVERHEAD ALUMINUM SLAT COUNTER DOOR
10.19	EXTERIOR SIGNAGE
22.1	DRINKING FOUNTAIN- SEE PLUMBING DRWG.
23.1	DUCTWORK-SEE MECH DRWG.
23.2	MECHANICAL EQUIPMENT-SEE MECH. DRWG.



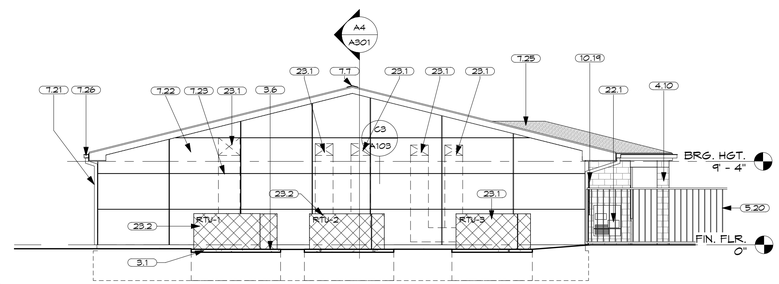
C5 A201 SIGNAGE DETAILS
3/4" = 1'-0"



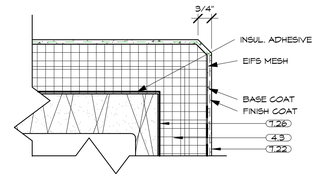
D5 A201 SIGNAGE DETAIL
1" = 1'-0"

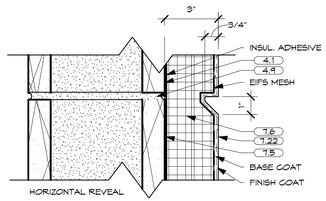


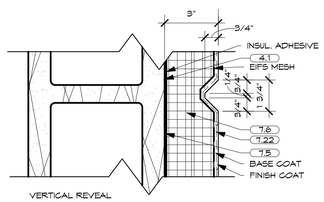
C3 A201 EAST
1/8" = 1'-0"



D3 A201 WEST
1/8" = 1'-0"







D1 A201 EIFS REVEAL DETAILS
3" = 1'-0"

BBN ARCHITECTS INC
228 POYNTZ AVENUE
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REV	DESCRIPTION	DATE
1	ADDENDUM 4	7/31/17

PATRICK A. SPEARS
NUMBER 23952
7-7-2017
KANSAS
PROFESSIONAL ARCHITECT

Project Number: **16036**

Date: **7/7/17**

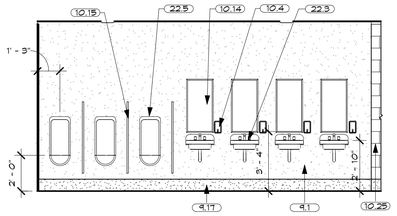
Project Name:
USD 320 SPORTS COMPLEX LOCKER AND CONCESSIONS

Project Address:
4290 COLUMBIAN ROAD WAMEGO, KS

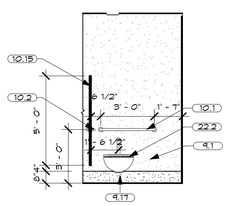
Sheet Title:
EXTERIOR ELEVATIONS

Sheet:
A201

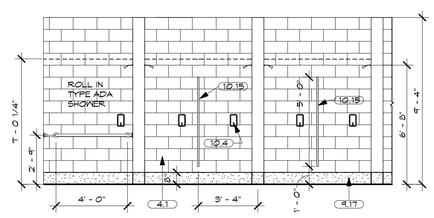
Of:



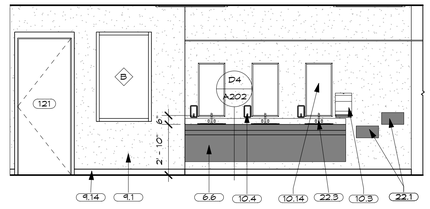
A5 / A202 MENS RESTROOM - URINALS / LAVATORY
1/4" = 1'-0"



A4 / A202 MENS RESTROOM - WATER CLOSET
1/4" = 1'-0"

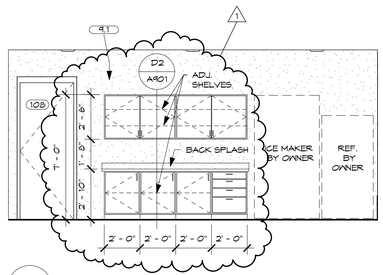


A3 / A202 LOCKER ROOM - VISITOR SHOWERS
1/4" = 1'-0"

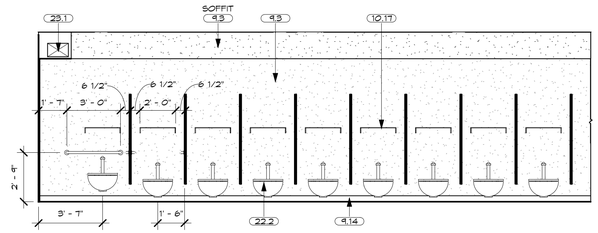


A2 / A202 LOCKER ROOM - VISITOR INTERIOR ELEVATION
1/4" = 1'-0"

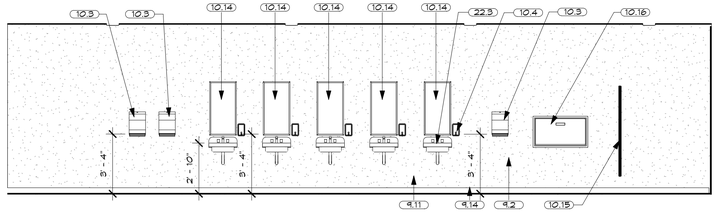
NOTES	
4.1	8" C.M.U.
6.6	CUSTOM CASEWORK
8.3	HOLLOW METAL DOOR
9.1	5/8" TYPE 'X' GYP. BD. IMPACT RESISTANT
9.2	5/8" TYPE 'X' GYP. BD.
9.3	5/8" TYPE 'X' GYP. BD. MOISTURE RESISTANT
9.11	INTERIOR EPOXY PAINT
9.14	RESILIENT BASE
9.17	EPOXY RESIN BASE 8"
10.1	36" GRAB BAR
10.2	42" GRAB BAR
10.3	PAPER TOWEL DISPENSER- OWNER PROVIDED- N.I.C.
10.4	SOAP DISPENSER- OWNER PROVIDED- N.I.C.
10.14	MIRROR- 18" X 36"
10.15	TOILET PARTITION
10.16	BABY CHANGING STATION
10.17	WALL SHELF
10.20	48" GRAB BAR
10.22	ATHLETIC LOCKERS
10.25	FULL LENGTH MIRROR-24" X 60"
22.1	DRINKING FOUNTAIN- SEE PLUMBING DRWG.
22.2	TOILET- SEE PLUMBING DRWG.
22.3	LAVATORY- SEE PLUMBING DRWG.
22.5	URINAL- SEE PLUMBING DRWG.
23.1	DUCTWORK-SEE MECH DRWG.



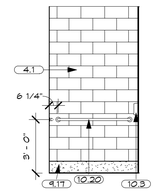
B4 / A202 TRAINING ROOM - CASEWORK
1/4" = 1'-0"



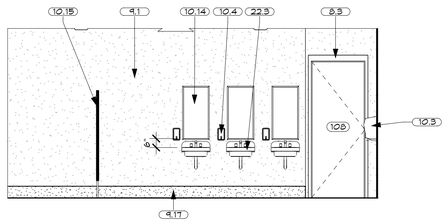
B3 / A202 WOMENS RESTROOM - WATER CLOSETS
1/4" = 1'-0"



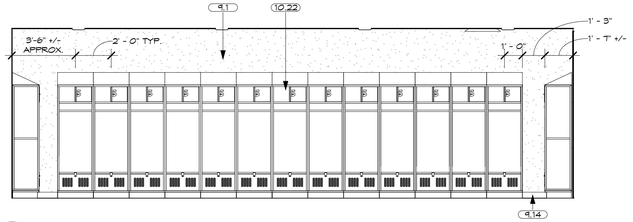
B2 / A202 WOMENS RESTROOM - LAVATORY
1/4" = 1'-0"



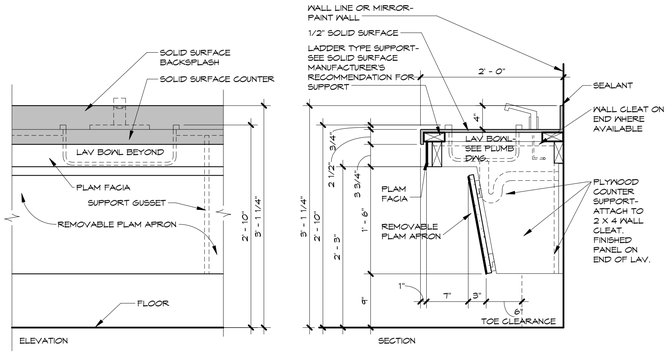
C5 / A202 WEST ELEVATION @ ADA SHOWER
1/4" = 1'-0"



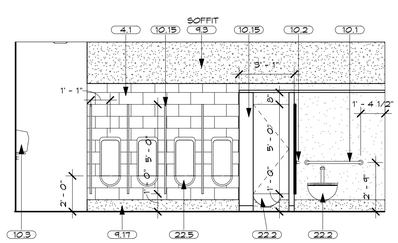
C4 / A202 RESTROOM 111- EAST
1/4" = 1'-0"



C3 / A202 LOCKER ROOM - HOME LOCKERS
1/4" = 1'-0"



D4 / A202 LAVATORY COUNTER SECTION
1" = 1'-0"



D3 / A202 LOCKER ROOM - HOME RESTROOM
1/4" = 1'-0"

ADDENDUM 4
07/31/17

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MANHATTAN, KANSAS 66502
PH: 785-776-4912 - FAX: 785-776-0944
WWW.BBNARCHITECTS.COM

REV	DESCRIPTION	DATE
1	ADDENDUM 4	7/31/17

PATRICK A. SPEARS
NUMBER 19975
7-7-2017
KANSAS
REGISTERED PROFESSIONAL ARCHITECT

Project Number: **16036**

Date: **7/7/17**

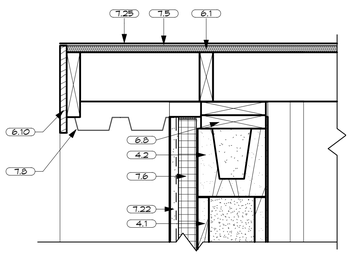
Project Name:
USD 320 SPORTS COMPLEX LOCKER AND CONCESSIONS

Project Address:
4290 COLUMBIAN ROAD WAMEGO, KS

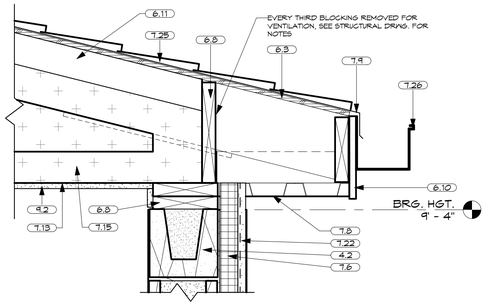
Sheet Title:
INTERIOR ELEVATIONS

Sheet: **A202**

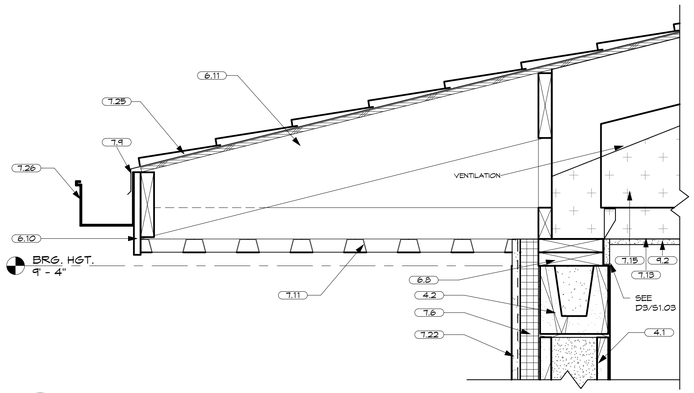
Of: Page 51 of 54



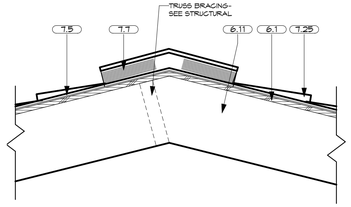
A5 A501 DETAIL @ WEST WALL RAKE
1 1/2" = 1'-0"



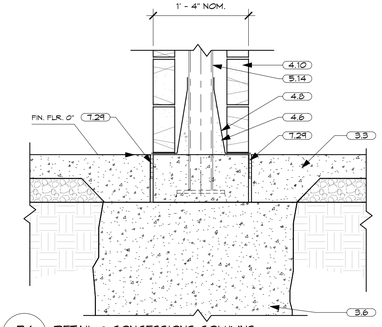
A4 A501 DETAIL @ NORTH WALL SOFFIT
1 1/2" = 1'-0"



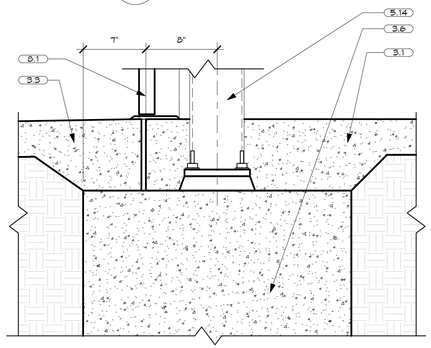
A3 A501 DETAIL @ SOUTH SOFFIT
1 1/2" = 1'-0"



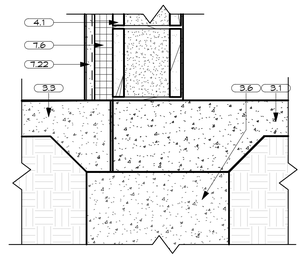
B5 A501 RIDGE DETAIL
1 1/2" = 1'-0"



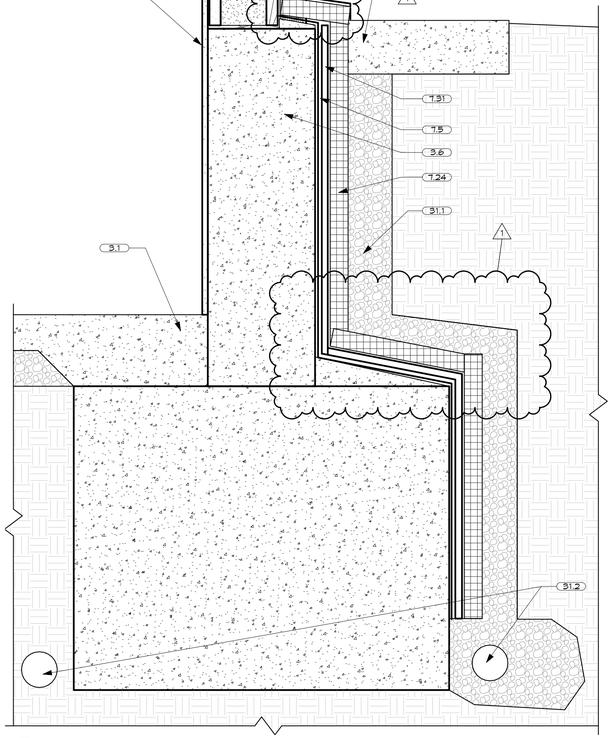
B4 A501 DETAIL @ CONCESSIONS COLUMNS
1" = 1'-0"



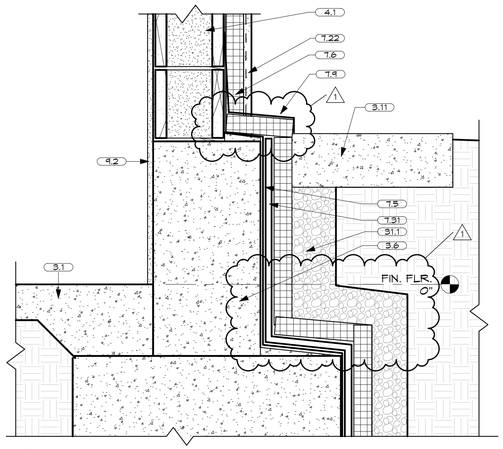
B3 A501 DETAIL @ FOUNDATION - COLUMN
1 1/2" = 1'-0"



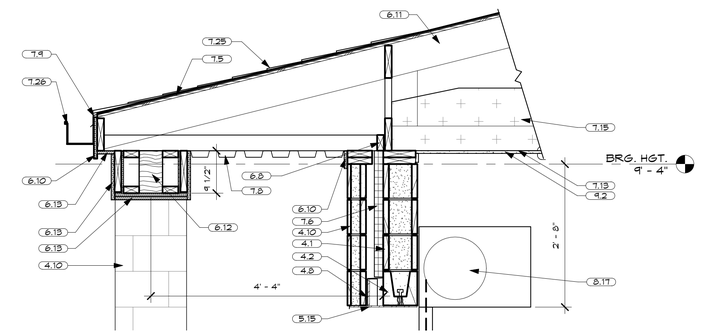
B2 A501 DETAIL @ SOUTH WALL FOUNDATION
1 1/2" = 1'-0"



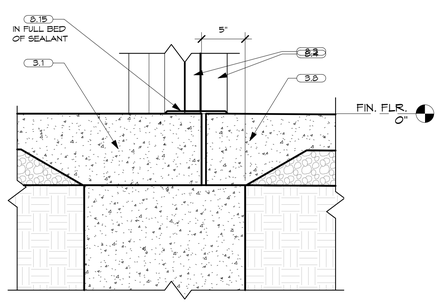
D5 A501 DETAIL @ NORTH FOUNDATION WALL
1 1/2" = 1'-0"



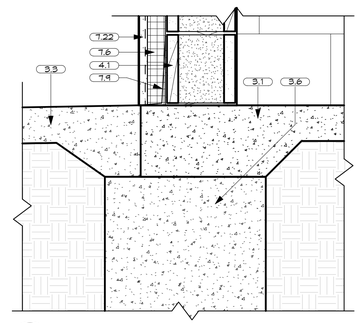
D4 A501 DETAIL @ NORTH WALL FOUNDATION
1 1/2" = 1'-0"



C3 A501 CONCESSIONS SOFFIT AND COILING COUNTER DOOR DETAIL
3/4" = 1'-0"



D3 A501 DETAIL @ FOUNDATION - EAST RESTROOM DOOR
1 1/2" = 1'-0"



D1 A501 DETAIL @ WEST WALL FOUNDATION
1 1/2" = 1'-0"

NOTES	
3.1	CONCRETE- SLAB ON GRADE- SEE STRUCTURAL DRWG.
3.3	EXTERIOR CONCRETE PAVEMENT- SEE CIVIL DRWG.
3.6	CONCRETE FOUNDATION- SEE STRUCTURAL DRWG.
3.8	CONCRETE PAVEMENT- SIDEWALK
3.11	CONCRETE MOW STRIP-18" WIDE
4.1	8" C.M.U.
4.2	8" C.M.U. BOND BEAM
4.6	SOLID GROUT
4.8	THRU-WALL FLASHING WITH DRIP EDGE
4.10	4" BURNISHED BLOCK VENEER
5.14	STEEL COLUMN- SEE STRUCTURAL DRWG.
5.15	STEEL LINTEL- SEE STRUCTURAL
6.1	1/2" PLYWOOD SHEATHING- VERIFY WITH STRUCTURAL
6.3	3/4" PLYWOOD SHEATHING- VERIFY WITH STRUCTURAL
6.8	WOOD BLOCKING
6.10	3/4" CEMENTITIOUS FACIA- PAINTED
6.11	WOOD TRUSSES- SEE STRUCTURAL
6.12	PSL ROOF BEAM- SEE STRUCTURAL
6.13	3/4" WOOD TRIM- PAINTED
7.5	WATERPROOF MEMBRANE
7.6	2" RIGID WALL INSULATION
7.7	RIDGE VENT
7.8	METAL SOFFIT DECK- VENTED
7.9	SHEET METAL FLASHING
7.11	METAL SOFFIT DECK
7.13	VAPOR BARRIER
7.15	CELLULOSE INSULATION
7.22	E.I.F.S. VENEER
7.24	2" RIGID FOUNDATION INSULATION
7.25	COMPOSITION ASPHALT SHINGLES
7.26	5" GUTTER
7.29	EXPANSION JOINT- PAVEMENT
7.31	WALL DRAINAGE BOARD
8.1	ALUMINUM STOREFRONT
8.3	HOLLOW METAL DOOR
8.4	HOLLOW METAL FRAME
8.15	THRESHOLD
8.17	OVERHEAD ALUMINUM SLAT COUNTER DOOR
9.1	5/8" TYPE 'X' GYP. BD. IMPACT RESISTANT
9.2	5/8" TYPE 'X' GYP. BD.
31.1	GRAVEL FILL
31.2	4" DRAIN TILE-DRAIN TO DAYLIGHT

BBN ARCHITECTS INC
228 POYNTZ AVENUE
MANHATTAN, KANSAS 66502
PH: 785-776-4912 - FAX: 785-776-0944
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REV	DESCRIPTION	DATE
1	ADDENDUM 4	7/31/17

PATRICK A. SPENCER 3075 7-7-17 KANSAS PROFESSIONAL ARCHITECT

Project Number: **16036**

Date: **7/7/17**

Project Name:
USD 320 SPORTS COMPLEX LOCKER AND CONCESSIONS

Project Address:
4290 COLUMBIAN ROAD WAMEGO, KS

Sheet Title:
DETAILS

Sheet: **A501**

Of:

DOOR SCHEDULE

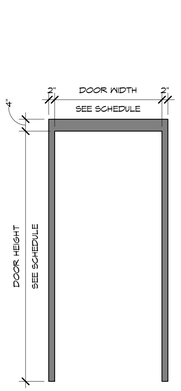
DOOR NUMBER	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR TYPE	FRAME MATERIAL	FRAME TYPE	FIRE RATING	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD	HARDWARE	COMMENTS
100A	3' - 0"	7' - 8"	HM	1	HM	1		A5/A701	C5/A701	D5/A701	1	
100B	8' - 0"	3' - 10"	ALUM	4	ALUM	---		D3/A701	---	---	2	OVERHEAD COILING ALUMINUM COUNTER DOOR
100C	8' - 0"	3' - 10"	ALUM	4	ALUM	---		D3/A701	---	---	2	OVERHEAD COILING ALUMINUM COUNTER DOOR
101	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	3	
102	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	5	
103	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	3	
104	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	8	
105	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	10	
106	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	11	
107	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	13	
108	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	12	
109	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	12	
110	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	4	
113	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	14	
114	3' - 0"	7' - 11"	HM	2	HM	WINDOW TYPE A		---	D4/A701	---	4	
115A	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	8	
115B	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	4	
116	6' - 4"	7' - 8"	HM	3	HM	1		---	---	---	6	
117A	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	4	
117B	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	9	
118	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	4	
121	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	10	
122	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	13	
123	3' - 0"	7' - 8"	HM	1	HM	1		---	---	---	7	

NOTES:

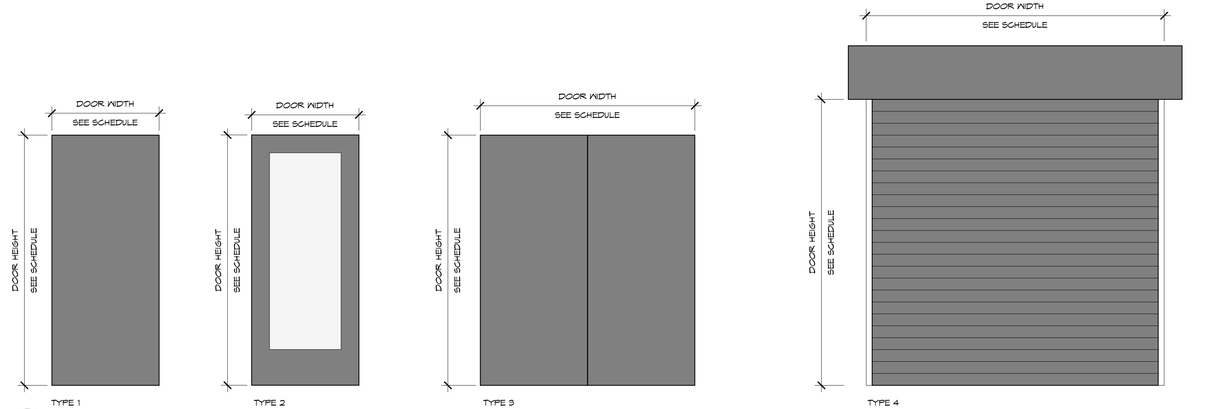
1. FOR ALL EXTERIOR DOORS REFER TO DETAILS A4/A701, C4/A701, AND D5/A701 FOR HEAD, JAMB AND THRESHOLD DETAILS UNLESS NOTED OTHERWISE IN SCHEDULE.

2. FOR ALL INTERIOR DOORS REFER TO DETAILS A3/A701 AND C3/A701 FOR HEAD AND JAMB UNLESS NOTED OTHERWISE IN SCHEDULE.

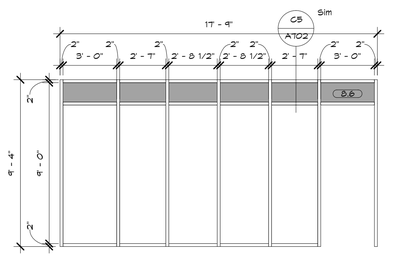
NOTES	
B.6	GLASS TYPE 1- CLEAR INSUL. TEMPERED



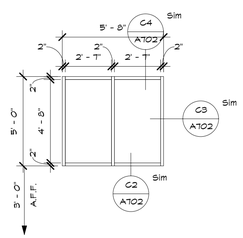
5 A602 FRAME TYPE 1
1/2" = 1'-0"



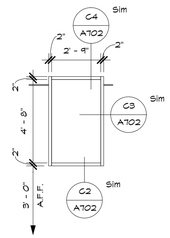
1 A602 DOOR TYPES
1/2" = 1'-0"



6 A602 WINDOW TYPE A
1/4" = 1'-0"



7 A602 WINDOW TYPE B
1/4" = 1'-0"



8 A602 WINDOW TYPE C
1/4" = 1'-0"

BBN ARCHITECTS INC
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REV	DESCRIPTION	DATE
1	ADDENDUM 4	7/31/17

PATRICK A. SPEAR
GREEN
3975
7-7-17
KANSAS
PROFESSIONAL ARCHITECT

Project Number: **16036**

Date: **7/7/17**

Project Name:
USD 320 SPORTS COMPLEX LOCKER AND CONCESSIONS

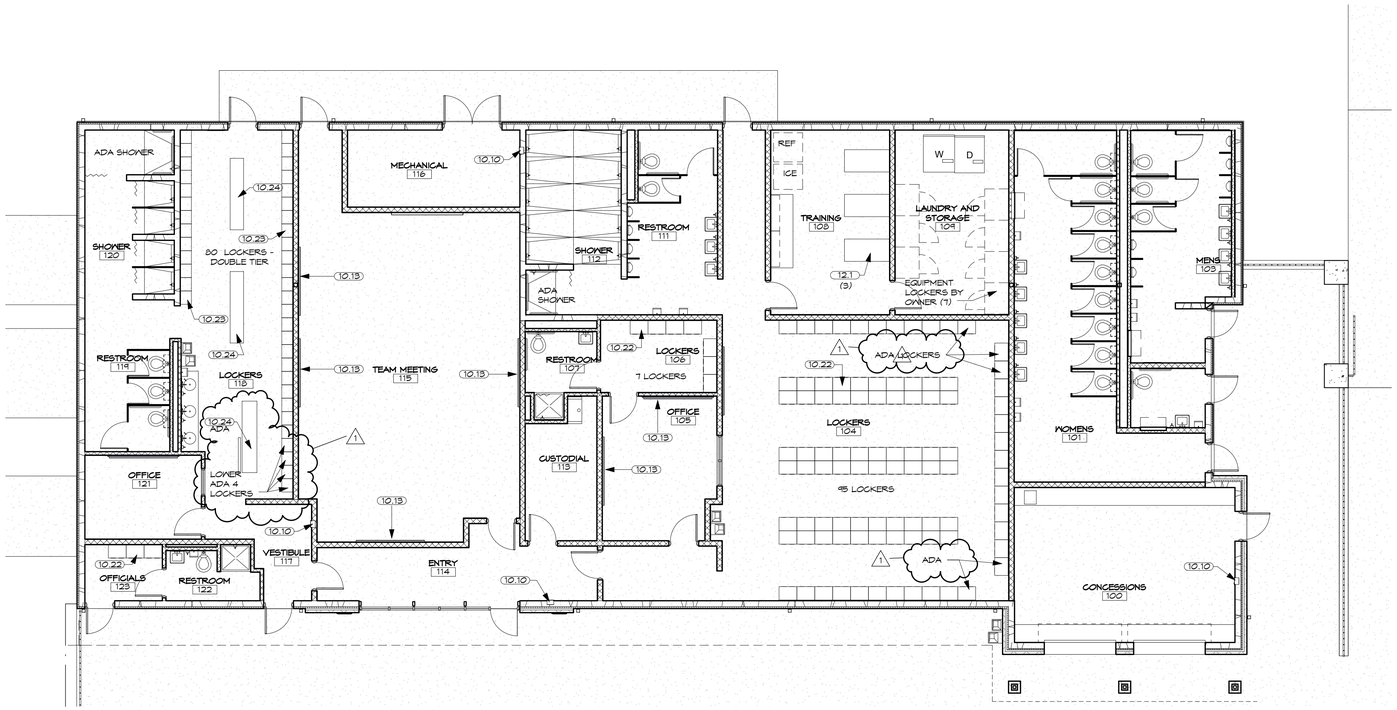
Project Address:
4290 COLUMBIAN ROAD WAMEGO, KS

Sheet Title:
DOOR SCHEDULE AND DETAILS

Sheet: **A602**

Of:

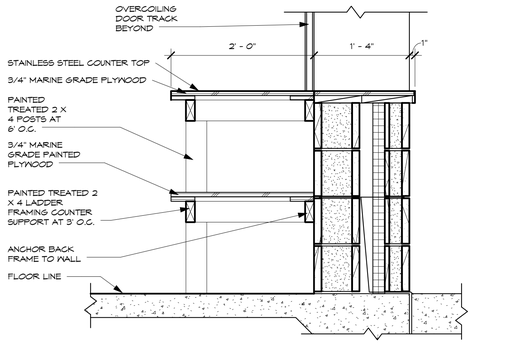
NOTES	
10.10	FIRE EXTINGUISHER CABINET
10.13	MARKER BOARD
10.22	ATHLETIC LOCKERS
10.23	TWO TIER LOCKERS
10.24	LOCKER ROOM BENCH
12.1	TRAINING TABLE- PROVIDED BY OWNER



NORTH

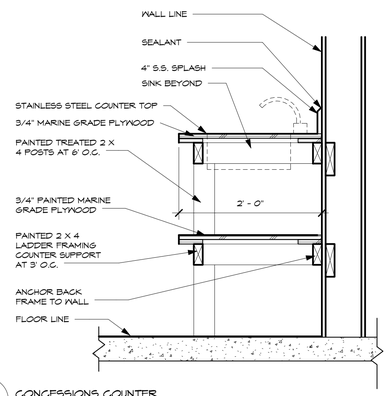
FLOOR PLAN- FURNISHINGS

1/8" = 1'-0"



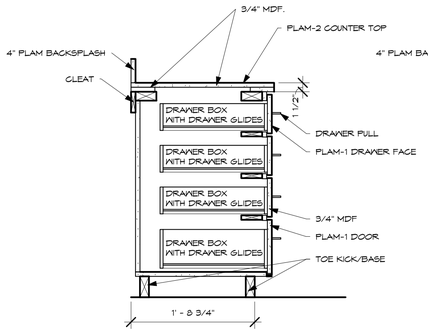
D4 A901 CONCESSIONS ORDER COUNTER

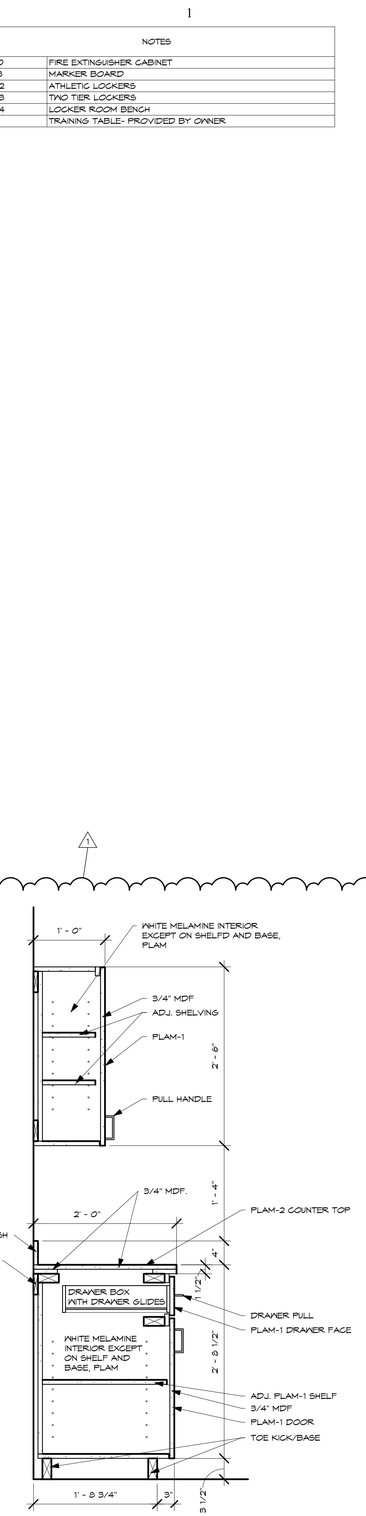
1" = 1'-0"



D3 A901 CONCESSIONS COUNTER

1" = 1'-0"





D2 A901 MILLWORK SECTION

1" = 1'-0"

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REV	DESCRIPTION	DATE
1	ADDENDUM 4	7/31/17

PATRICK A. SEAY
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7-7-17
KANSAS
PROFESSIONAL ARCHITECT

Project Number: **16036**

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Project Name:
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Sheet Title:
FURNISHING PLAN

Sheet: **A901**

Of: