Columbus Metropolitan Library
96 S. Grant Ave, Columbus, Ohio 43215

Canal Winchester Branch
Located at Ohio 123 & Ohio 199 Groveport Road
Bostwick Design No: 22007

INTERIM DESIGN DEVELOPMENT
27 October 2023

Bostwick Design Partnership

KABIL ASSOCIATES
Structural Engineer

ADVANCED ENGINEERING CONSULTANTS (AEC)
Plumbing, Mechanical, Electrical, and Technology Engineer – A/V Acoustics Design

MOODY ENGINEERING
Civil Engineer

EDGE
Landscape Architect

WELLOGY
Collaborating Architect

TURNER CONSTRUCTION
Construction Manager

PROJECT MANUAL
Volume 1 of 1
NOTES:
Upon receipt of these Bidding Documents, Bidders shall compare the Table of Contents with the actual pages of the Project Manual and the Index of Drawings with the actual sheets of Drawings to verify that each set of Bidding Documents is complete and in order as received from the Printer. If any discrepancies are noted, Bidders shall contact the Architect and Construction Manager immediately. If no such contact is made within five (5) days of receipt of Bidding Documents, the Owner, Construction Manager, and the Architect will presume that Bidders have complete and entire sets of Bidding Documents.

Initials in parenthesis follow some of the Sections listed. Those initials identify the primary author of those sections. The initials shall be interpreted as follows. Bostwick Design Partnership is the primary author of all Sections without initials.

(AEC) ADVANCED ENGINEERING CONSULTANTS
(ODOC) OHIO DEPARTMENT OF COMMERCE
(EDGE) EDGE LANDSCAPE ARCHITECTURE
(KA) KABIL ASSOCIATES
(ME) MOODY ENGINEERING
(TCC) TURNER CONSTRUCTION COMPANY
(WEL) WELLOGY

SECTION

VOLUME 1 of 1

00 00 02 Table of Contents
00 01 00 Project Manual Design Release Matrix

PROCUREMENT AND CONTRACTING REQUIREMENTS GROUP

Additional procurement and contracting requirements, including the General Conditions, shall be provided by Owner and/or Construction Manager under separate cover.

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

00 26 00 Procurement Substitution Procedures
Substitution procedures during bidding.
00 31 32 Geotechnical Data
References documents for geotechnical data.
00 54 32 Digital/Electronic Data Protocol Exhibit
00 54 32.01 Digital Data Licensing Agreement, AIA Document C106-2022
00 72 00 General Conditions
References AIA Document A201-2017 "General Conditions of the Contract for Construction."
00 72 23 General Conditions – Construction Management (Single-Prime Contract)

SPECIFICATIONS GROUP

DIVISION 01 - GENERAL REQUIREMENTS
## Interim DD

### Summary
- **Project Information**: Owner, Project Address, BDP Office, Construction Manager, Consultants, Use of Web-Based Project Management Software.
- **Work Covered by Contract Documents**: Summary of the Work, Project Delivery Method *(type of contract)*, Phased Construction.
- **Work Performed by Owner**: Expected start and completion, Multiple Work Packages, Work under separate contracts.
- **Owner’s Product Purchase Contracts**: Owner-furnished/Contractor-installed products, Owner-furnished/Owner-installed products, Contractor-furnished/Owner-installed products.
- **Contractor’s Use of Site and Premises**: Limits on Use, Condition of Existing Building and Grounds, Coordination with Occupants.
- **Work Restrictions**: On-Site Work Hours, Utility Shutdown Restrictions, On-Site Workday Restrictions, Employee Identification and Screening *(Owner-provided)*

### Allowances
- Provisions for cash allowances including lump-sum, unit cost, contingency, and testing and inspecting allowances.

### Unit Prices
- Provisions for unit prices.

### Alternates
- Provisions for change-of-scope and cost-comparison type alternates.

### Substitution Procedures
- Procedural requirements for requests for substitutions during construction.

### Contract Modification Procedures
- Procedural requirements for changes to the Contract.

### Payment Procedures
- Administrative requirements for Contractor's Applications for Payment.

### Project Management and Coordination
- Administrative requirements for project meetings; preconstruction, preinstallation, and project closeout conferences; RFI's; and project Web sites.

### Construction Progress Documentation
- Contractor’s Construction Schedule including Gantt charts and CPM schedules; Contractor’s reports.

### Submittal Procedures
- Procedures for Action and Informational Submittals including Delegated-Design Submittals and Submittals Schedule.

### Quality Requirements
- Quality-assurance and -control requirements, special tests and inspections, and Contractor’s quality-control plan.

### References
- Common definitions and terms; and acronyms and trade names of associations, government agencies, and other entities referenced in specification Sections.

### Abbreviations
- Code-Required Special Inspections and Procedures
- **Statement of Special Inspections** *(DoC)*
- **Final Report for Special Inspections** *(DoC)*
- Facility Exterior Enclosure Inspection
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Temporary utilities and facilities for construction support, security, and protection. |
| 01 56 39 | Temporary Tree Protection (EDGE) |
| 01 60 00 | Product Requirements  
Administrative and procedural requirements for product, material, and equipment selection and handling; warranties; and comparable products. |
| 01 73 00 | Execution  
General requirements for product installation, cutting and patching, protection, field engineering, and progress cleaning. |
| 01 74 19 | Construction Waste Management and Disposal  
Salvaging, recycling, and disposing of non-hazardous demolition and construction waste. |
| 01 77 00 | Closeout Procedures  
Contract closeout including Substantial Completion and Final Completion procedures, warranties, and final cleaning. |
| 01 78 23 | Operation and Maintenance Data  
Emergency, operation, and maintenance manuals for products and equipment. |
| 01 78 39 | Project Record Documents  
Record Drawings, Specifications, and Product Data. |
| 01 79 00 | Demonstration and Training  
Administrative and procedural requirements for instructing Owner's personnel in operation and maintenance. |
| 01 83 17 | Air Barrier System  
Performance requirements for the air barrier envelope. |
| 01 91 13 | General Commissioning Requirements  
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**DIVISION 03 - CONCRETE**

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| 03 05 10 | Concrete Moisture Vapor Reduction Admixture (MVRA)  
Admixture for concrete.  
Coordinate with structural engineer for option to include this section or refer to it in 03 30 00. |
| 03 05 15 | Concrete Porosity Inhibiting Admixture (PIA)  
Admixture for concrete.  
Coordinate with structural engineer for option to include this section or refer to it in 03 30 00. |
| 03 30 00 | Cast-In-Place Concrete  
General building and structural applications; concrete mixtures, formwork, reinforcing, finishing, and curing.  
Concrete Strength: Foundations 3000 psi; Interior slabs: 4000 psi  
Portland Cement: ASTM C 150, Type I/II.  
Reinforcing Bars: ASTM A 615, deformed billet steel bars  
Sealer: ASTM C 309, Type 1, Class A. |
Basis-of-Design: BASF Chemical Co.; Kure-N-Seal 25 LV
Normal flatness and levelness
MVRA to be coordinated with Section 03 50 10.
Under-slab Vapor Retarders: coordinate with structural engineer for option to include 07 26 16 Below Grade Vapor Retarders instead of in 03 30 00.

DIVISION 04 - MASONRY

04 20 00 Unit Masonry
CMU, brick, and stone trim units.
Structural, reinforced CMU foundation walls, 16 inch nominal thickness.
ASTM C 90 with F’c minimum = 1900 psi.
Masonry prism strength: F’m = 1500 psi.
Decorative CMU above grade.
Brick BOD (check Legend for products)

DIVISION 05 - METALS

05 12 00 Structural Steel Framing
Structural steel framing for buildings.
Wide Flange Shapes: ASTM A 992, Grade 50.
Channels: ASTM A 572.
Angle and Plates: ASTM A 36.
Cold Formed Hollow Structural Sections: ASTM A 500 Grade B.
Finish: SP-3 Typical.

05 21 00 Steel Joist Framing
Standard manufactured open-web units, including steel joists, long-span steel joists, and joist girders.

05 31 00 Steel Decking
Roof, floor, and form steel deck.

05 40 00 Cold-Formed Metal Framing
Load-bearing and exterior non-load-bearing wall studs; floor, ceiling, and roof joists; and rafters.
Minimum Thickness: As engineered; not less than 0.0475-inch.

05 50 00 Metal Fabrications
Metal items (not sheet metal) made from iron and steel shapes, stainless steel, and non-ferrous metals.
Steel framing and supports for:
  - operable partitions; overhead doors (sectional doors); countertops; applications where framing and supports are not specified in other Sections.
Steel tube reinforcement for low partitions
"Unistrut" channel framing for supporting ceiling-mounted projectors.
Slotted channel framing (unistrut)
Metal ladders; alternating tread stair (delegated design)
Metal bollards (Under landscaping)

05 52 17 Safety Railings and Fall Protection
Passive safety railing fall protection systems.
Non-penetrating railing system for roof edge fall protection.
Basis of Design Product: Garlock Safety Systems; RailGuard 200.
05 70 10 Architectural Grilles and Vision Barriers
    Screenwall/vision barrier; subframing and supports, attachment brackets.
    BOD: Construction Specialties; Vert-A-Cade 400
    Extruded aluminum blades and subframing
    3-coat fluorocarbon coating with high metallic color coat and clear topcoat; 20-year warranty

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

06 10 00 Rough Carpentry
    Wood framing, furring, grounds, nailers, and blocking.
    Fire-resistance-treated.

06 16 00 Sheathing
    Roof and wall sheathing, subflooring, and underlayment. Includes wood, non-wood, and composite products (including gypsum sheathing).

06 20 23 Interior Finish Carpentry
    Exposed and nonstructural.
    Shelving and Clothes Rods

06 40 23 Common Work Results for Interior Architectural Woodwork
    Quality and coordination requirements, including woodwork source limitations.
    AWI Quality Certification requirements for project.
    Use this Section for coordinating any of the following:
    Section 055000 "Metal Fabrications",
    Section 062023 "Interior Finish Carpentry",
    Section 064113 "Wood-Veneer-Faced Architectural Cabinets",
    Section 064116 "Plastic-Laminate-Faced Architectural Cabinets",
    Section 064216 "Flush Wood Paneling",
    Section 064219 "Plastic-Laminate-Faced Wood Paneling",
    Section 081416 "Flush Wood Doors",
    Section 123213 "Manufactured Wood-Veneer-Faced Casework",
    Section 123216 "Manufactured Plastic-Laminate-Faced Casework",
    Section 123623.13 "Plastic-Laminate-Clad Countertops."

06 41 16 Plastic-Laminate-Faced Architectural Cabinets
    Custom-made plastic-laminate cabinets.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 13 26 Self-Adhering Sheet Waterproofing
    Self-adhering, positive-side sheet waterproofing; drainage panels; concrete pavers.
    Basis-of-Design: Meadows, W.R., Inc; SealTight Mel-Rol.

07 14 16 Cold Fluid-Applied Waterproofing
    Polyurethane, polyester, and latex-rubber types; drainage panels, insulation, and plaza-deck pavers.
    Basis-of-Design: Meadows, W.R., Inc; SealTight Mel-Rol LM.
    BDP NOTE: Basis-of-Design products are:
    W. R. Meadows, Inc; [Mel-Rol LM] [Hydralastic 836]
    Carlisle Coatings & Waterproofing Inc; CCW MiraSEAL.
    Grace Construction Products; Procor Below Grade.
    Henry Company; CM100.
    Tremco Incorporated; TREMproof 250 GC.
07 21 00  Thermal Insulation
General building insulation installed at project site, excluding roofing insulation.
Extruded-polystyrene XPS board insulation, ASTM C 578, Type VI, 40 psi; for
underslabs and below-grade foundation walls.
  Basis of Design: Dow; Styrofoam Highload 40.
Foil-faced ISO board insulation, installed as sheathing over steel framing.
  Basis of Design: Dow; Thermax (ci) Exterior Insulation.

07 21 19  Foamed-In-Place Insulation
Spray-applied polyurethane foam insulation
  Basis of Design: Dow; Styrofoam Brand Spray Polyurethane Foam (CM Series).

07 26 16  Below-Grade Vapor Retarders
ASTM E 1745, permeance not greater than 0.01 Perms, grains/(ft² · hr · inHg).
  Basis of Design: Stego Industries LLC; Stego Wrap Vapor Barrier (15-mil).

07 26 16  Below-Grade Vapor Retarders
ASTM E 1745, permeance not greater than 0.01 Perms, grains/(ft² · hr · inHg).
  Basis of Design: Stego Industries LLC; Stego Wrap Vapor Barrier (15-mil).

07 27 15  Non-Bituminous Sheet Air Barriers
Self-adhering Vapor-retarding, non-bituminous sheet type: Carlisle 705FR-A.
Self-adhering Vapor-permeable, non-bituminous sheet type: Cosella-Dorken Delta-Vent SA; Grace Perm-A-Barrier VPS; VaproSheild RevealShield SA, WrapShield SA.
Preformed silicone extrusion: Dow 123; Tremco Spectrum Simple Seal.

07 27 16  Fluid-Applied Membrane Air Barriers
Elastomeric, modified bituminous and synthetic polymer membranes about 40 mils
(1.0 mm) and thicker; vapor retarding and vapor permeable types.

07 42 13.13 Formed Metal Wall Panels
Standard-profile exposed- and concealed-fastener, lap-seam wall and liner panels.
Aluminum plate column covers.

07 42 13.53 Metal Soffit Panels
Concealed-fastener, lap-seam panels, with and without perforations.

07 54 23  Thermoplastic Polyolefin (TPO) Roofing
Adhered TPO systems.

07 62 00  Sheet Metal Flashing and Trim
Custom-fabricated roof and wall flashings and roof-drainage systems and
manufactured through-wall flashing and reglets.
Custom-fabricated roof flashings.
  Basis of Design: Seaman Corporation; FiberClad heat weldable, polymeric
coated sheet metal flashing, 0.040 inch thick aluminum.
Manufactured roof flashings, fascia.
  Basis of Design: Metal-Era; Anchor-Tite HG Fascia, 0.063 inch thick aluminum.

07 71 00  Roof Specialties
Manufactured copings, roof-edge flashings and drainage systems, and counter
flashings.

07 72 00  Roof Accessories
  roof hatches.

07 81 00  Applied Fireproofing
Cementitious and mineral-fiber fire-resistive materials classified as SFRM.

07 84 13  Penetration Firestopping
Systems installed in fire-resistance-rated walls, horizontal assemblies, and smoke
barriers.
  Basis of Design: STI; SpecSeal.

07 84 43  Joint Firestopping
Systems installed in or between fire-rated construction, at exterior curtain wall/floor intersections, and in smoke barriers.

Basis of Design: STI; SpecSeal

Fire-rated head-of-wall joint UL System No. XHBN.HW-D-0060.
Fire-rated bottom-of-wall joint UL System No. XHBN.BW-S-0003.

07 92 00 Joint Sealants

Elastomeric joint sealants including, silicone, urethane, STPE, foam sealant polysulfide, butyl, and latex.

Exterior: Silicone
  - Tremco Spectrem 4

Exterior Traffic: Self-levelling polyurethane sealant
  - Tremco Vulkem 45 S SL

Interior: Urethane (paintable)
  - Tremco Dymonic 100

07 92 19 Acoustical Joint Sealants

For use in interior sound-rated construction. Typically specified in 09 29 00 GWB.

For Exposed Joints:
  - Basis of Design: Tremco, Incorporated; Tremco Acoustical Sealant.

For Concealed Joints:
  - Tremco, Incorporated; Tremco Acoustical Sealant.
  - Pecora Corporation; BA-98.
  - Serious Energy Inc.; Quiet Seal 350

DIVISION 08 - OPENINGS

08 11 13 Hollow Metal Doors and Frames

Hollow-metal doors and frames for commercial and residential use.
NAAMM-HMMA 861, Level A according to SDI A250.4.

Basis of Design: Ceco; Medallion Doors.

08 14 16 Flush Wood Doors

Wood-veneer, hardboard, and plastic-laminate-faced flush wood doors.
Wood-veneer, 5-ply structural composite lumber core units.

Basis of Design: Eggers; 5-Ply Flush Doors, grade AA veneer.

08 14 73 Sliding Wood Doors

Sliding interior doors.
Example: Aurora Doors exam room sliding door.

08 31 13 Access Doors and Frames

Wall, ceiling, and units.
Wall and ceiling units; flush access doors with concealed flanges.

Basis of Design: Babcock-Davis; BNW Series.

08 33 23 Overhead Coiling Doors

Galvanized-steel, and aluminum curtain assemblies.
Sectional doors.

08 41 13 Aluminum-Framed Entrances and Storefronts

Storefront framing, entrance doors, and hardware; also used for window walls, ribbon walls, strip windows, and punched openings.

Basis of Design: Kawneer; Trifab 601UT (exterior) / Trifab 405 (interior).
Finish: Aluminum-clad, two-coat 70% fluoropolymer AAMA 2605.

08 42 29.23 Sliding Automatic Entrances
Power-operated single, biparting, and telescoping units.  
*Look at their standard.*

**08 44 13 Glazed Aluminum Curtain Walls**
- Curtain wall framing; also used for window walls, ribbon walls, strip windows, and punched openings.
  - Example: Kawneer; 1600UT System 2, 7-1/2 inch depth.
  - Finish: Aluminum-clad, two-coat 70% fluoropolymer AAMA 2605.

**08 71 00 Door Hardware**
- For specifying door hardware by using a schedule that names products or indicates BHMA designations.

**08 71 13 Automatic Door Operators**
- Power operators, low-energy power operators, and low-energy power-assist door operators for swinging doors; furnished separately from doors and frames.
  - Basis of Design: Stanley Access Technologies; Magic-Force Series

**08 80 00 Glazing**
- Plain, laminated, and insulating glass.
  - Insulating glass units, 1-inch thickness with low-e coating on #2 surface.
  - Glazing sealant: Silicon
  - Basis of Design: Tremco Spectrem 4 high strength, fast cure

**08 81 13 Decorative Glass Glazing**
- Patterned, enameled, acid-etched, sandblasted, and laminated glass with integral decoration, and glass with film overlay.
  - Manufacturers:
    - 3form, Inc.
    - Pilkington North America.
    - Trulite Glass & Aluminum Solutions, LLC.

**08 83 00 Mirrors**
- Wall mounted, unframed, silvered flat glass mirrors including annealed monolithic, film-backed, laminated, and tempered.

**DIVISION 09 - FINISHES**

**09 05 61 Common Work Results for Flooring Preparation**
- Performance requirements, testing, and remediation for concrete slab subfloors moisture content, relative humidity, and alkalinity.

**09 22 16 Non-Structural Metal Framing**
- Steel framing for gypsum board and plaster partitions and ceilings.
    - Base-Metal Thickness: Not less than 0.0312-inch (30 mil).
  - Framing Installation; ASTM C 754, minimum.
  - Manufacturers:
    - ClarkDietrich Building Systems.
    - MarinoWARE.
    - The Steel Network, Inc.

**09 29 00 Gypsum Board**
- Interior gypsum board, exterior gypsum board for ceilings and soffits, and tile backing boards.
  - Interior wallboard moisture/mold-resistant type, typical, for walls, ceilings, soffits.
  - Basis of Design: USG; Sheetrock Mold Tough. 5/8 inch, Type X
Interior wallboard abuse resistant type Level 4, typical for corridor walls.  
Basis of Design: USG; Sheetrock Mold Tough AR, 5/8 inch, Type X

09 30 13 Ceramic Tiling
Tile types include unglazed and glazed ceramic mosaic, quarry, pressed floor, and porcelain tile and glazed wall tile. Installation materials include waterproof and crack isolation membranes.  
Ceramic tile for walls and floors, and tile backing boards.  
Floor Installation: TCA F125-Full-13; Thin-set latex-portland cement mortar on waterproofing crack-isolation membrane.  
Wall Installation: TCA W244; Thin-set latex-portland cement mortar on cementitious backer units.  
Thresholds: granite, marble, slate.

09 51 13 Acoustical Panel Ceilings  
Mineral-base, glass-fiber-base, and ceramic- and mineral-base acoustical panels and exposed-metal suspension systems for ceilings, including special-use types for high-temperature and high-humidity locations and clean rooms.  
Panels with exposed suspension systems.

09 54 33 Suspended Wood Ceiling Systems
Basis-of-Design:

09 51 17 Concrete Flooring Finish and Sealers
Clear penetrating concrete floor sealer for interior slab-on-grade application
Basis of Design: Euclid Chemical Company; Euco Diamond Hard

09 61 17 Resilient Base and Accessories
Resilient base, stair accessories, and molding accessories.

09 65 13 Resilient Tile Flooring
Solid vinyl, rubber, vinyl composition, and resilient terrazzo floor tiles.  
Vinyl composition floor tiles; ASTM F 1066, Class 2, through-pattern tile.

09 65 36 Static-Control Resilient Flooring
Static-dissipative and static-conductive tile and sheet products.

09 68 13 Tile Carpeting  
Modular carpet tile for commercial applications.  
Pile Yarn Weight: 26.00 oz/sq yd minimum.  
Fiber System: Nylon loop.  
Dye Method: 100% solution dyed.

09 72 00 Wall Coverings
Vinyl, textile, and woven glass-fiber wall coverings...

09 84 33 Sound-Absorbing Wall Units

09 84 36 Sound-Absorbing Ceiling Units
Shop-fabricated, fabric-wrapped, sound-absorbing, sound-diffusing, and sound-reflecting panels and sound-absorbing baffle panels applied to ceilings or suspended.

09 91 13 Exterior Painting
Exterior painting.

09 91 23 Interior Painting
Interior painting.
Basis-of-Design: Sherwin-Williams.

Hollow Metal:
Acrylic Prime Coat: Pro Industrial Pro-Cryl Universal Primer, B66-310 Series.
Water-based Acrylic Epoxy Intermediate/Top Coat: Pro Industrial Pre-Catalyzed Epoxy, K46-151 Series.

Structural Steel:
Acrylic Prime Coat: S-W; Pro Industrial Pro-Cryl Universal Primer, B66-310 Series.

Acoustic Metal Deck: Factory primed.
First Coat: Low VOC Waterborne Acrylic Dryfall, Flat B42W81.
Top Coat: Low VOC Waterborne Acrylic Dryfall, Flat B42W81.

Gypsum Drywall:

DIVISION 10 - SPECIALTIES

10 11 00 Visual Display Units
tackboards.

10 14 19 Dimensional Letter Signage
Individually mounted dimensional characters and illuminated dimensional characters that are combined to form signs.

10 14 23.16 Room-Identification Panel Signage
Interior non-illuminated room and wayfinding signage only.

10 21 13.17 Phenolic-Core Toilet Compartments
Phenolic-core toilet enclosures, entrance screens, and urinal screens.

10 22 39 Folding Panel Partitions
electrically operated acoustical panel partitions supported from overhead track; acoustically rated, fire rated, and non-rated; for interior use.

10 26 00 Wall and Door Protection
Predominantly plastic products and assemblies that protect surfaces of walls, corners, and doors from damage.
Stainless-steel corner guards.
Sheet wall protection for janitor closet.

10 28 00 Toilet, Bath, and Laundry Accessories
Owner Standard Units. Indications below to be determined in conjunction with the Owner standards.

10 44 13 Fire Protection Cabinets
Fire-protection cabinets and security fire-protection cabinets.
Fire-protection cabinets, recessed with vertical glass lite in door.

10 44 16 Fire Extinguishers
Portable and wheeled fire extinguishers.
Portable fire extinguishers, multipurpose dry-chemical UL-rated 4-A:80-B:C 10-lb.

10 75 16 Ground-Set Flagpoles
Aluminum, bronze, stainless-steel, steel, and fiberglass ground-set flagpoles.

10 82 00 Grilles and Screens
Mechanical equipment screen on roof.
DIVISION 11 - EQUIPMENT

11 30 13 Residential Appliances
   Major kitchen and laundry appliances.
   Microwave Oven, Refrigerator/Freezer

11 51 00 Library Equipment
   Freestanding book return box for installation outside the building.
   Thru-wall Book returns and carts.

11 81 29 Facility Fall Protection
   Fall protection; lifeline system around the perimeter of the penthouse.
   ProBel; Diversified; Miller; Latchways

DIVISION 12 - FURNISHINGS

12 24 13 Roller Window Shades
   Manually and motor-operated roller shades installed vertically or at skylights.
   Manually-operated roller shades installed at all exterior windows.
   Basis-of-Design: MechoShade Systems, Inc.; Classic Mecho/5.
   Light-Filtering Shadecloth: ThermoVeil 1300 Series.
   Light-Blocking Shadecloth: Equinox Blackout 0100 Series.
   Single roller shades with light-filtering shadeband, typical.
   Double roller shades with light-filtering and black-out shadeband, for meeting room.

2 36 61.16 Solid Surfacing Countertops
   including integral sinks.
   Solid-surface material countertops for base cabinets, typical.
   Basis of Design: DuPont Corian; 1/2-inch-thick, standard type
   Solid-surface material countertops with integral sinks in toilet rooms.
   Basis of Design: DuPont Corian; Model 820 Bathroom Basin

DIVISION 13 - SPECIAL CONSTRUCTION (Not Used)

DIVISION 14 - CONVEYING EQUIPMENT (Not Used)

DIVISION 21 - FIRE SUPPRESSION

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping
21 05 18 Escutcheons for Fire-Suppression Piping
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27 13 23  Communications Optical Fiber Backbone Cabling  
27 15 13  Communications Copper Horizontal Cabling  
27 33 00  Public Address System  

**DIVISION 28 - ELECTRONIC SAFETY AND SECURITY**

28 13 00  Access Control  
28 16 00  Intrusion Detection  
28 20 00  Video Surveillance  
28 31 11  Digital, Addressable Fire-Alarm System  

**DIVISION 31 - EARTHWORK**

31 10 00  Site Clearing  
            Clearing, grubbing, vegetation protection, topsoil stripping, and disconnecting utilities.  
31 20 00  Earth Moving  
            Excavating, filling and backfilling, compaction, and grading.  

**DIVISION 32 - EXTERIOR IMPROVEMENTS**

32 12 16  Asphalt Paving  
            Paving, overlays, surface treatments, asphalt curbs, asphalt traffic-calming devices, cold milling, and hotmix patching.  
32 13 13  Concrete Paving (EDGE)
Concrete curbs and gutters, walks, driveways, parking lots, and miscellaneous paving.

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DIVISION 33 - UTILITIES

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<td>Subdrainage (AIA Masterpec)</td>
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Painted markings applied to asphalt or concrete pavement.
Detectable warning tiles and mats located in concrete walkways; detectable warning pavers.
Manufactured and custom-designed fences and gates made from steel, aluminum, or metallic-coated steel.
Heads, pipes, and controls.
Seeded, sodded, plugged, and sprigged turf and meadows; pesticides; erosion-control materials; turf renovation; and grass paving.
Nursery-grown trees and other plants, pesticides, tree stabilization, tree watering devices, landscape edgings, and tree grates.
Basic piping materials and methods.
Distribution piping, valves, equipment.
Sanitary and combined sewers
Piping, valves, specialties
Pumps, equipment
Gravity and forced storm piping, underground structures, and specialties.
Drains and inlets
Gratings and frames
Drainage for foundations, underslabs, plaza decks, retaining walls, and landscaped areas.
Perforated-wall pipe and fittings.
Solid pipes and fitting.
Cleanouts.
Geotextile filter fabrics.
Molded-sheet drainage panels.
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