

Atlanta Fulton County Public Library System – Alpharetta Public Branch



**Addendum/Bulletin #1
4/7/14**





Contents

RFI Log dated 3/31/14

Drawings dated 4/1/14

C400

A1.02

A2.00

A2.01

A2.02

A2.21

A2.22

A5.02

A5.04

A6.04

A6.22

Specifications dated 4/1/14

Section 009501

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Section 101100

Section 102613

Section 123663



Item	Asked by	Page/Detail	Question	Answer	Answered by
1	US Mosiac	096623, 3.3	Terrazzo specification calls for flexible reinforcing membrane (crack membrane). How much of this should be included.	Up to 25% of terrazzo area	Moss
2	US Mosiac	9300, 3.7 A&B	Terrazzo - Which installation methods apply? multiple methods are listed.	Assume question refers to 096623-3.3.A,B.	
3	Moss		Terrazzo - Please provide desired expansion joint locations	Paragraph B is correct.	
4	Moss		Terrazzo - Please provide mix design	See Bulletin #1	Vines
5	Moss		Terrazzo - Please provide pattern & color selections	See Bulletin #1	Vines
6	Moss	C300	"Relocate fire hydrant & light poles away from corner" This is outside of our limit of disturbance. Please verify it is not apart of this project.	Color should match architects sample. The overall color is a very light grey. See Bulletin #1	Vines
7	Moss		Please provide paint types and color schedule	No, it is not part of the library project.	Long
8	Moss		Please provide specifications for the concrete countertops (need finish/color/aggregate)	See Bulletin #1	Vines
9	Moss		Please provide product names and ranges/colors for the solid surfaces	See Bulletin #1	Vines
10	Moss		Please provide a profile for the wood base.	See Bulletin #1	Vines
11	Moss	Detail 1 on A6.14	shows a return air slot under the benches. Where does this return air go to?	See Bulletin #1	Vines
12	Moss	124813	"entrance floor mats and frames": These are not shown on the room finish schedule or the floor plans. On sheet A2.00 is calls for "Roll up walk off mats" Please clarify if spec section 124813 applies and if the "roll up walk off mats" are FFE. If they are not FFE please provide quantity of the rollup or framed walk off mats.	See Bulletin #1	Vines
13	Moss		Please confirm the elevator floor is linoleum	The elevator floor should be the same terrazzo as in the lobby areas.	Vines
14	Moss	A2.00	Please clarify the walls and locations that are to receive acoustic wall panels in auditorium. Elevations do not differentiate wood paneling, drywall and acoustic paneling clearly.	See Bulletin #1	Vines
15	Moss		The following items read "Match City Standards", bike racks, benches, bollards, trash receptacles & parking lights. Please provide products for pricing.		
16	Georgia Institutional Furnishings	126100	Audience Seating - Outer Back Surface. Specs reads "Molded plastic hardwood-veneer plywood, with fasteners. Is it to be wood or plastic?"	Should read: "Outer Back Surface: Hardwood-veneer plywood, with fasteners."	Vines
17	Available Supply Inc	A9.10	Door 213A Does not list what type of frame. Please advise. Door 213A does not list a hardware set. Please advise.	Frame type is 01, hardware set is 13.	Cooper Carry
18	Eardley	P1.2	North Exterior Porch drains running West to East and out under the stairs. The Civil plans do not coordinate the tie in of this storm/drain line. Please provide this information, we suggest running the plumbing South under the building to tie in, this will prevent bring the storm around the exterior.	See Bulletin #1	Cooper Carry
19	Eardley	P1.1 and P7.1	Plumber is concerned the 4" discharge pipe from the sump pump will not drain properly to the 2" line that connects to the oil interceptor and dumps to the floor drain. Plumber suggests using an "Oil Minder" type sump pump with a 2" discharge in lieu of the 4" and drain to the mop sink. This would eliminate the oil interceptor.	An oil minder that shuts off the sump pump cannot be used as this does not meet code. The waste line from the sump pump to the oil interceptor shall be 4". The floor drain in the room shall be a 4" FD.	Barrett woodyard
20	Stein Steel	S5.08	Please provide a reference for this detail.	Detail 1/S-5.08 is applies between grid 7 and grid 8 along grid H at the 2nd floor. This is in lieu of the indicated 5/S5.05 reference on sheet S1.02.	Sykes
21	Astro Interiors	A1.02	There appears to be an added wall at the north end of computer 210 area. It is right in front of the small alcove wall and may be an error.	This was an error and has been removed.	Cooper Carry
22	Astro Interiors	A1.01	Details 4 & 5 appear to show the concrete wall to be furred out in the mechanical room. Please confirm.	Wall is not furred out, finish face is concrete.	Cooper Carry
23	All South Sprinkler	A7.03	Detail 2 calls for black felt insulation over the linear wood grille ceiling. Please confirm this meets code and allows the sprinklers to be at ceiling level and sprinklers will not be needed above the interstitial space.		
24	All South Sprinkler	215250-3	The sprinkler spec section calls for All public areas to receive recessed heads with a white finish. Please confirm recessed heads will not be used at wood grille ceilings.	Public Areas with gypsum board or ACT ceilings should have fully recessed heads with white cover plates. Areas in wood panel and wood grille ceilings should have silver semi-recessed extended coverage heads.	Vines



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ISSUANCES		
No.	Drawing Issue Description	Date
1	GMP DOCUMENTS	11/21/2013
2	ISSUED FOR PERMIT	12/18/2013
3	CONSTRUCTION DOCUMENTS	3/4/2014
4	BULLETIN 1	4/1/14



atlanta-fulton public library system

Alpharetta Library

Street E
Alpharetta, Georgia

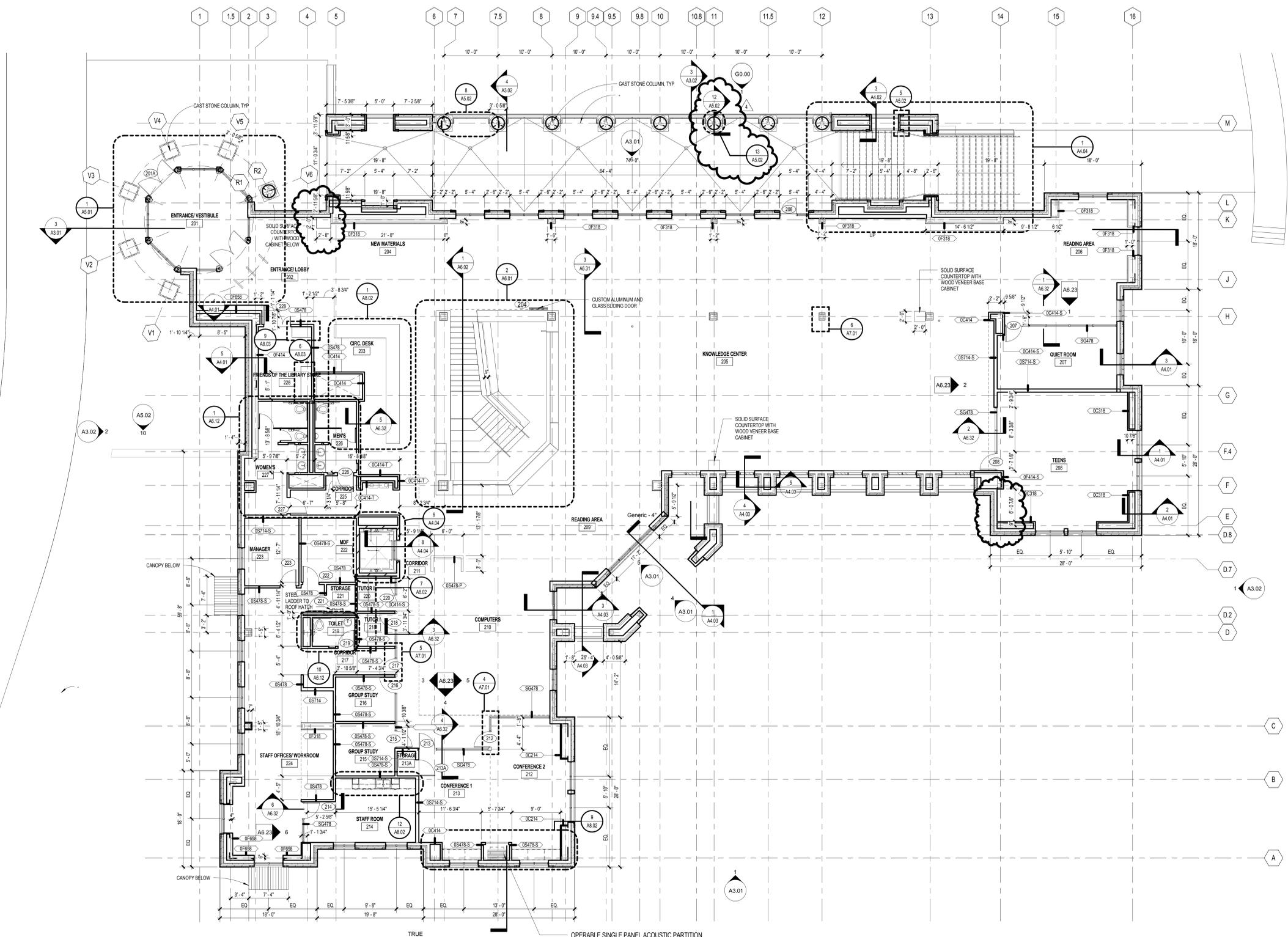
Atlanta-Fulton Public Library System

Second Floor Plan

Timothy Fish	20110278
Principal-in-Charge	Project No.
Christopher Bivins	03/04/2014
Project Manager	Date
Jeff Schroeder	
Project Architect - Interiors	
Nicole Seekey/Adie Hallat	
Staff Architect	

A1.02

- GENERAL FLOOR PLAN NOTES**
1. ALL PARTITION TYPES ARE 05714, UNLESS NOTED OTHERWISE. REFER TO SHEET A6.01 FOR TYPICAL PARTITION DRAWINGS.
 2. ALL PARTITIONS ARE TO EXTEND TO DECK, UNLESS NOTED OTHERWISE.
 3. ALL DIMENSIONS ARE TO FINISH FACE, UNLESS NOTED OTHERWISE.
 4. ALL DOOR OPENINGS ARE 0'-4" FROM FACE OF ADJOINING WALL UNLESS NOTED OTHERWISE.
 5. ALL COLUMN WRAPS ARE TO BE AS TIGHT TO COLUMN AS POSSIBLE UNLESS NOTED OTHERWISE.
 6. ALL LAYOUT ANGLES ARE 90 DEGREES, UNLESS NOTED OTHERWISE.
 7. ALL PARTITIONS WHICH INTERSECT EXTERIOR WINDOW WALL ARE TO BE CENTERED ON MULLIONS.
 8. BUILDING UTILIZES RETURN AIR PLENUMS. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25R AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.
 9. SEE TECHNOLOGY DRAWINGS FOR ALL ADDITIONAL EQUIPMENT.
 10. REFER TO ENLARGED PLANS FOR WALL TAGS, DIMENSIONS, SECTION CUTS, ELEVATION CALLOUTS AND OTHER NOTES FOR THOSE AREAS.



1 SECOND FLOOR PLAN
A1.02 SCALE: 1/8" = 1'-0"



PROJECT NUMBER: 20110278 PROJECT NAME: Alpharetta Library
SHEET NUMBER: A1.02 - Second Floor Plan
V:\20110278\047 Drawings\7-1 rev\users\20110278_2013_alpharetta_b\ivinsc.nt
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COOPER CARRY
THE CENTER FOR CONNECTIVE ARCHITECTURE

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Alpharetta Library

Street E
Alpharetta, Georgia

Atlanta-Fulton Public Library System

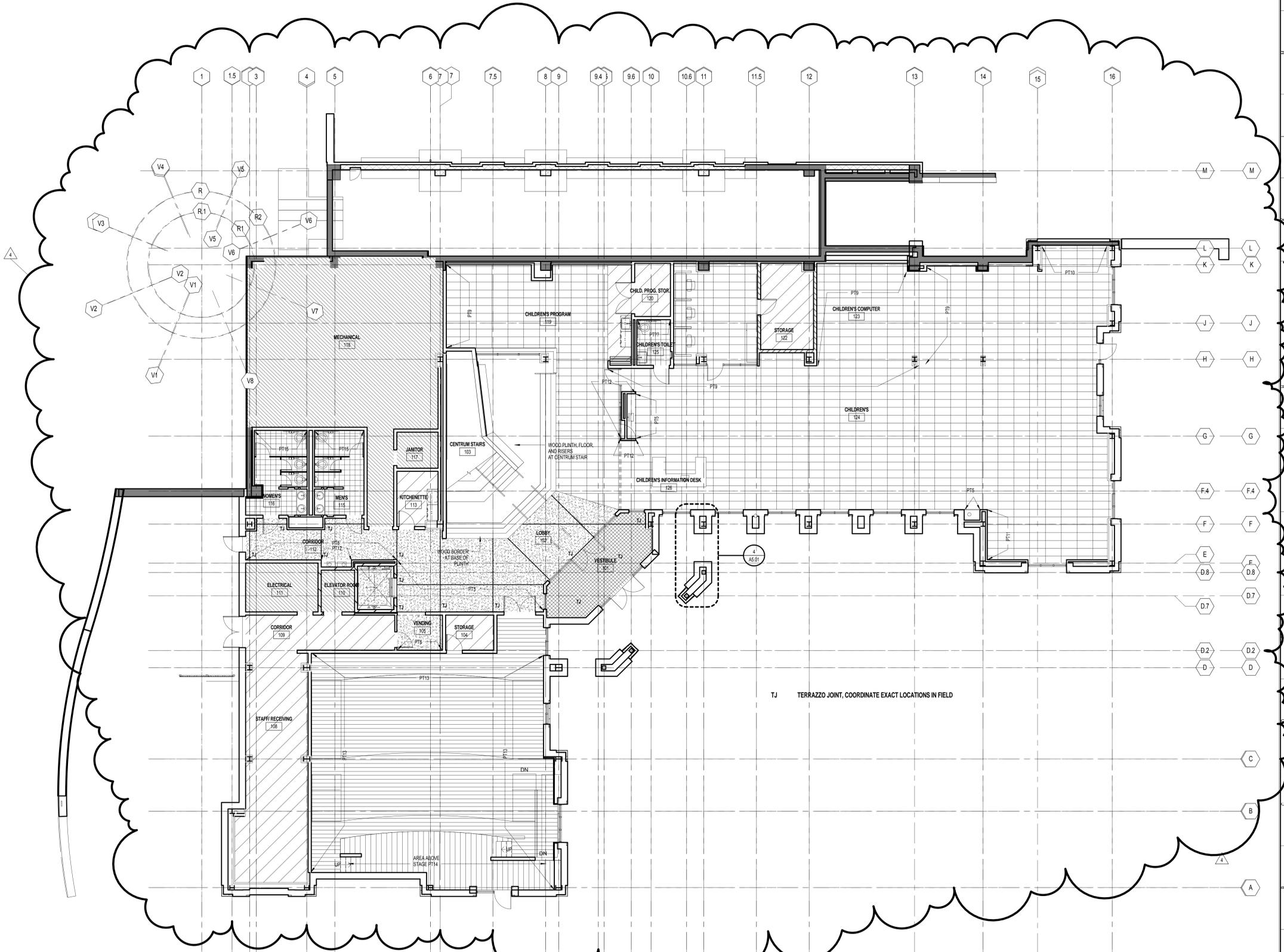
Finish Floor Plan - Level 1

Timothy Fish	20110278
Principal-in-Charge	Project No.
Christopher Bivins	03/04/2014
Project Manager	Date
Jeff Schroeder	
Project Architect - Interiors	
Nicole Seekely/Adie Hallat	
Staff Architect	

A2.01

MATERIALS LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
EXPOSED CONCRETE		CARPET 1	
TERRAZZO		CARPET 2	
LINOLEUM SHEET		PORCELAIN TILE	
WOOD PLANK		WALK OFF MAT	



1 FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

PROJECT NUMBER: 20110278 PROJECT NAME: Alpharetta Library
SHEET NUMBER: A2.01 - Finish Floor Plan - Level 1
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atlanta-fulton public library system

Alpharetta Library

Street E
Alpharetta, Georgia

Atlanta-Fulton Public Library System

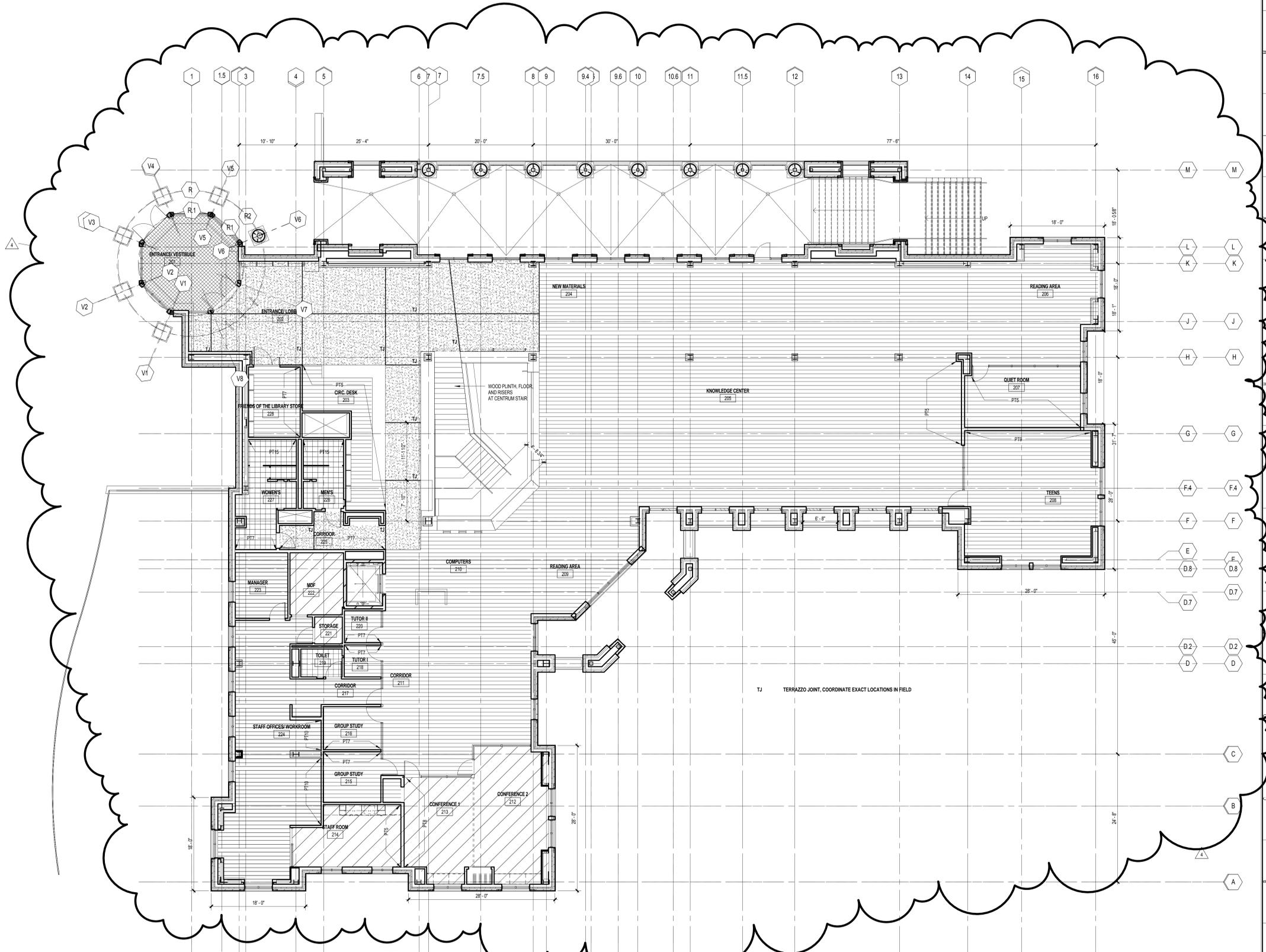
Finish Floor Plan - Level 2

Timothy Fish Principal-in-Charge	20110278 Project No.
Christopher Bivins Project Manager	03/04/2014 Date
Jeff Schroeder Project Architect - Interiors	
Nicole Seekely/Adie Hallat Staff Architect	

A2.02

MATERIALS LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
EXPOSED CONCRETE		CARPET 1	
TERRAZZO		CARPET 2	
LINOLEUM SHEET		PORCELAIN TILE	
WOOD PLANK		WALK OFF MAT	



1 SECOND FLOOR FINISH PLAN
A3.01/A2.02 SCALE: 1/8" = 1'-0"

PROJECT NUMBER: 20110278 PROJECT NAME: Alpharetta Library
SHEET NUMBER: A2.02 - Finish Floor Plan - Level 2
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Alpharetta Library

Street E
Alpharetta, Georgia

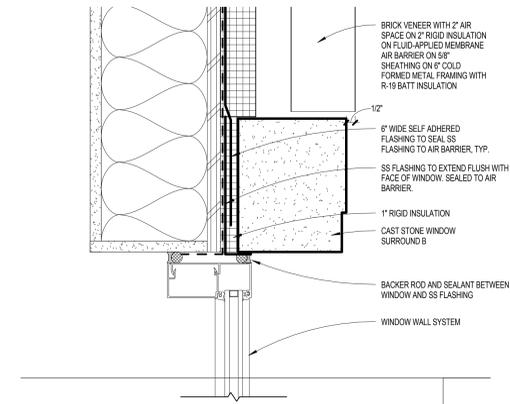
Atlanta-Fulton Public Library System

Exterior Plan Details

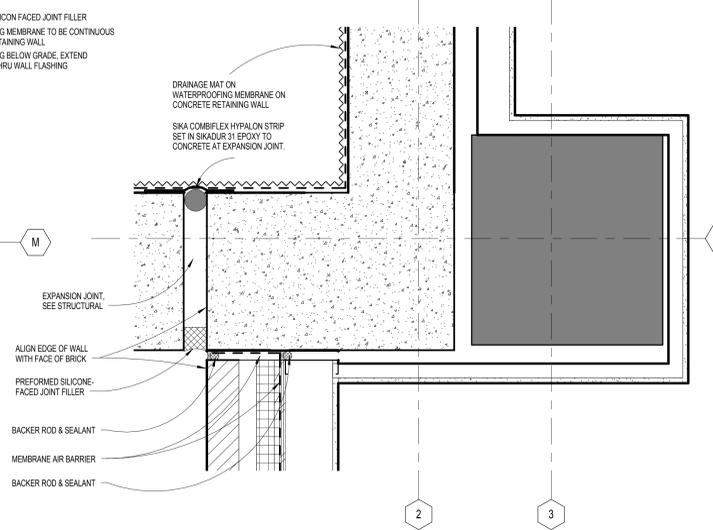
Principal-in-Charge	20110278
Christopher Bivins	03/04/2014
Project Manager	
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Nicole Seekeley/Adie Hallat	
Staff Architect	

A5.02

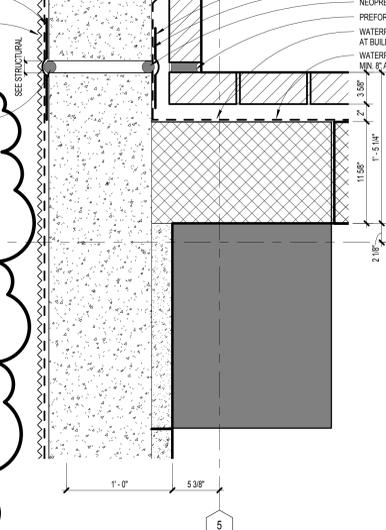
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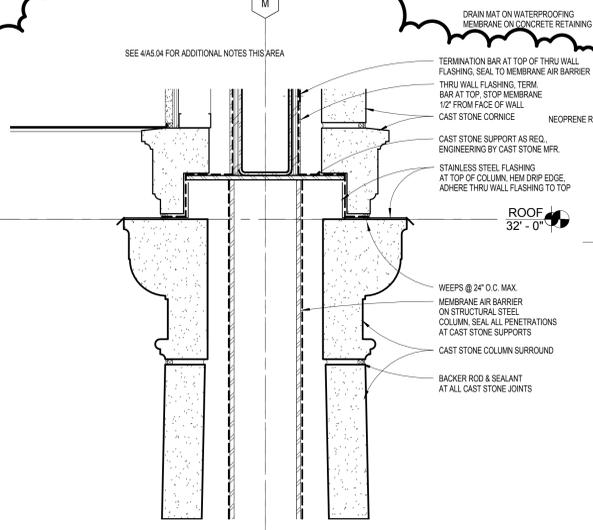
3 PLAN DETAIL - PUNCHED WINDOW JAMB
SCALE: 3" = 1'-0"



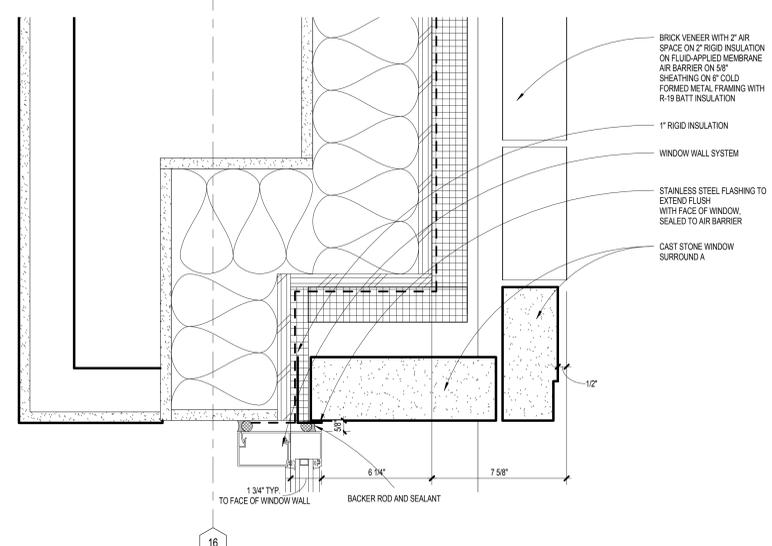
6 PLAN DETAIL - CORNER CONDITION AT SITE WALL
SCALE: 1 1/2" = 1'-0"



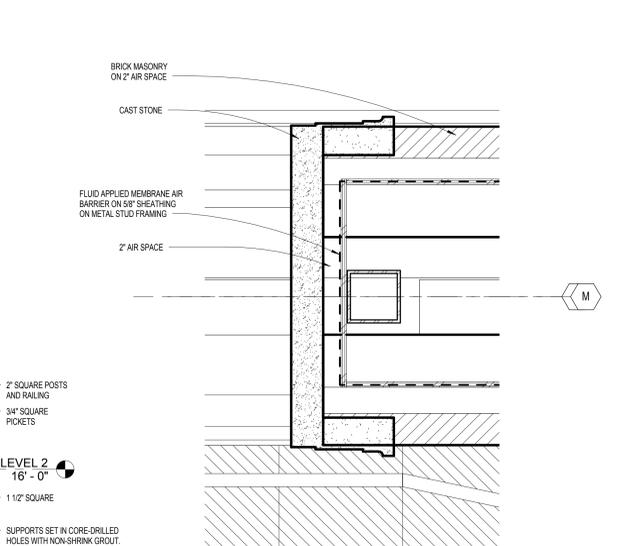
7 PLAN DETAIL - RETAINING WALL INTERSECTION
SCALE: 1 1/2" = 1'-0"



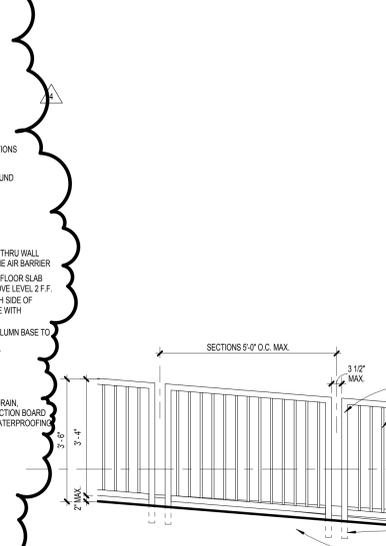
11 SECTION DETAIL - TOP OF COLUMN AT PORTICO
SCALE: 1 1/2" = 1'-0"



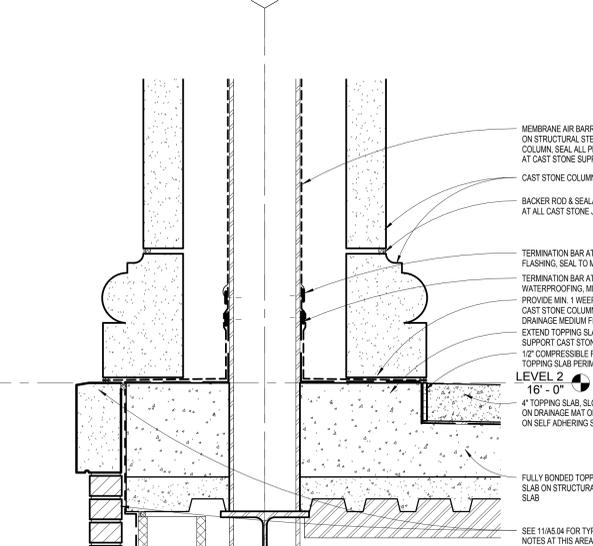
2 PLAN DETAIL - RECESSED WINDOW JAMB
SCALE: 3" = 1'-0"



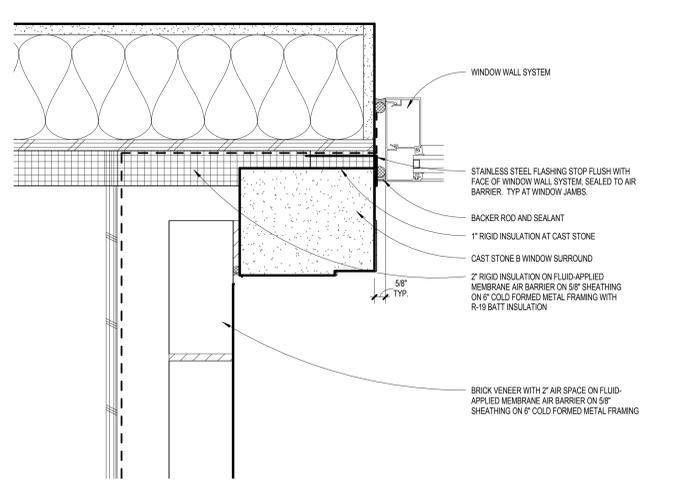
5 PLAN DETAIL - OPENING
SCALE: 1 1/2" = 1'-0"



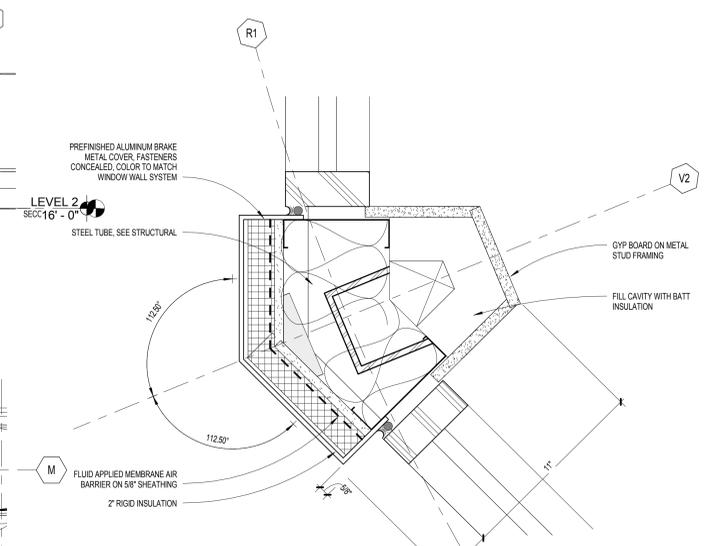
10 ELEVATION AT SERVICE COURT RAILING
SCALE: 1/2" = 1'-0"



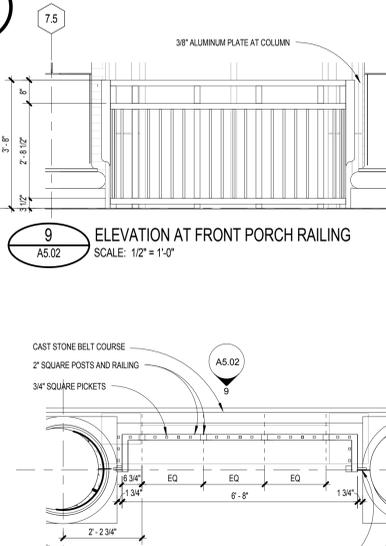
12 SECTION DETAIL - BASE OF COLUMN AT PORTICO
SCALE: 1 1/2" = 1'-0"



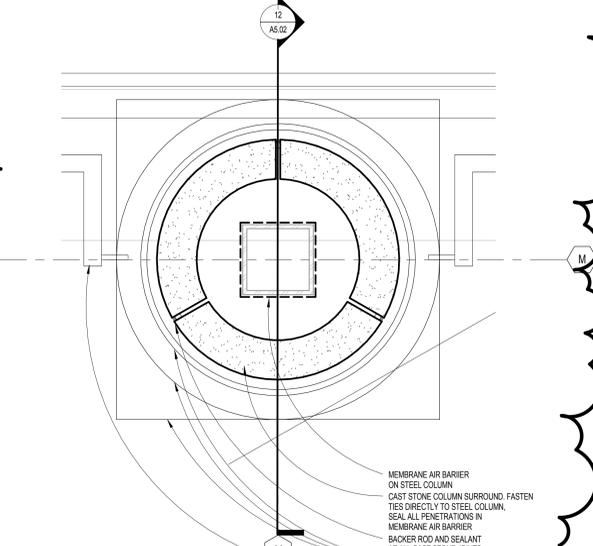
1 PLAN DETAIL - BAY WINDOW JAMB
SCALE: 3" = 1'-0"



4 PLAN DETAIL - NORTH VESTIBULE AT CAST STONE
SCALE: 3" = 1'-0"



8 PLAN DETAIL AT PORCH GUARDRAIL
SCALE: 1/2" = 1'-0"



13 PLAN DETAIL - COLUMN AT PORTICO
SCALE: 1 1/2" = 1'-0"

PROJECT NUMBER: 20110278 PROJECT NAME: Alpharetta Library
SHEET NUMBER: A5.02 - Exterior Plan Details
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SECTION 009501

BULLETIN NO. 1

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

- A. The Contract Documents for the above project are revised as described herein. The changes shall take precedence upon receipt of Notice to Proceed, and all other provisions of the Contract Documents shall remain in force.
- B. This is not a notice to proceed. The Contractor shall analyze the work included in this Bulletin, shall determine if an increase or a decrease to the Contract Sum or Contract Time is called for, and shall submit a proposal to the Owner. The Owner has the right to reject, accept, or negotiate the Contractor's proposal. If the Owner accepts the Contractor's proposal, the work shall proceed with the change in scope, and the Contract Sum and Contract Time shall be revised. If the Owner rejects the proposal, the work shall proceed as if the bulletin had never been issued.

PART 2 - DRAWING CHANGES

2.1 REVISED DRAWINGS

- A. The following Drawings have been revised, bear revision date April 1, 2014, are issued with this Bulletin, and are deemed a part thereof. The changes to be made are identified on each Drawing.

<u>Number</u>	<u>Title</u>
Civil	
C400	Grading & Drainage Plan
Architectural	
A1.02	Second Floor Plan
A2.00	Finish Legend
A2.01	Finish Floor Plan – Level 1
A2.02	Finish Floor Plan – Level 2
A2.21	First Floor Wall Specialties
A2.22	Second Floor Wall Specialties
A5.02	Exterior Plan Details
A5.04	Exterior Section Details
A6.04	Interior Wall Section Details
A6.22	Interior Elevations

PART 3 - SPECIFICATION CHANGES

3.1 NEW SPECIFICATIONS

- A. The following additional Specification sections dated April 1, 2014, are issued with this Bulletin, and are deemed a part thereof. In addition, these sections are added to the Table of Contents within the Project Manual.

<u>Section Number</u>	<u>Title</u>
009501	Bulletin No. 1
123663	Concrete Countertops

3.2 REVISED SPECIFICATIONS

- A. The following Specification sections have been revised, bear revision date April 1, 2014, are issued with this Bulletin, and are deemed a part thereof. The changes to be made are identified on the revised pages of each section, attached hereinafter, unless noted otherwise.

<u>Section Number</u>	<u>Title</u>
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101100	Visual Display Surfaces
102613	Corner Guards

END OF SECTION 009501

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009101	Addendum No. 1	Issued 12/09/13
09501	<i>Bulletin No. 1.....</i>	<i>Issued 04/01/14</i>

SPECIFICATIONS

Division 01- General Requirements

011000	Summary	Issued 09/16/13
012300	Alternates	Issued 11/21/13
012600	Contract Modification Procedures	Issued 09/16/13
012900	Payment Procedures	Issued 09/16/13
012978	Interim Contractor's Affidavit and Waiver of Liens	Issued 09/16/13
012979	Final Contractor's Affidavit and Waiver of Liens	Issued 09/16/13
013119	Project Meetings	Issued 09/16/13
013300	Submittal Procedures	Issued 09/16/13
014200	References	Issued 09/16/13
014500	Quality Control	Issued 09/16/13
014529	Testing Laboratory Services	Issued 09/16/13
015000	Temporary Facilities and Controls	Issued 09/16/13
017123	Field Engineering	Issued 09/16/13
017419	Construction Waste Management and Disposal	Issued 09/16/13
018113	Sustainable Design Requirements	Issued 09/16/13

Division 02– Existing Conditions (Not Applicable)

Division 03- Concrete

031100	Concrete Forming	Issued 09/16/13
032000	Concrete Reinforcing	Issued 09/16/13
033000	Cast-In-Place Concrete - Civil	Issued 09/16/13
033000	Cast-In-Place Concrete - Structural	Issued 09/16/13

Division 04- Masonry

042000	Unit Masonry	Issued 11/21/13
047200	Cast Stone Masonry	Revised 12/09/13
047223	Lightweight Cast Stone Masonry	Issued 11/21/13

Division 05- Metals

051200	Structural Steel Framing	Issued 09/16/13
052100	Steel Joist Framing	Issued 09/16/13
053100	Steel Decking	Issued 09/16/13
054000	Cold-Formed Metal Framing	Issued 11/21/13
055000	Metal Fabrications	Issued 11/21/13
055213	Pipe and Tube Railings	Issued 11/21/13

Division 06– Wood, Plastics, and Composites

061053	Miscellaneous Rough Carpentry	Issued 11/21/13
064116	Plastic Laminate Faced Architectural Cabinets	
064216	Flush Wood Paneling	

Division 07- Thermal and Moisture Protection

071326	Self-Adhering Sheet Waterproofing	Issued 09/16/13
071616	Crystalline Waterproofing	Issued 09/16/13
072100	Thermal Insulation	Issued 11/21/13
072726	Fluid-Applied Membrane Air Barriers	Issued 11/21/13
073113	Asphalt Shingles	Issued 11/21/13
074113.16	Standing-Seam Metal Roof Panels	Issued 11/21/13
075423	Thermoplastic Polyolefin (TPO) Roofing	Issued 11/21/13
076200	Sheet Metal Flashing and Trim	Issued 11/21/13
077200	Roof Accessories	Issued 12/09/13
078413	Penetration Firestopping	Issued 11/21/13
079200	Joint Sealants	Issued 11/21/13

Division 08- Openings

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081416	Flush Wood Doors	Issued 11/21/13
083113	Access Doors and Frames	Issued 11/21/13
084113	Aluminum-Framed Entrances and Storefronts	Issued 11/21/13
086300	Metal-Framed Skylights	Issued 11/21/13
087100	Door Hardware	Issued 11/21/13
088000	Glazing	Reissued 03/04/14
088300	Mirrors	Issued 11/21/13
089100	Louvers	Issued 11/21/13

Division 09- Finishes

092116.23	Gypsum Board Shaft Wall Assemblies	Issued 11/21/13
092216	Non-Structural Metal Framing	Issued 11/21/13
092400	Portland Cement Plastering	Issued 11/21/13
092900	Gypsum Board	Issued 11/21/13
093000	Tiling	Reissued 03/04/14
095113	Acoustical Panel Ceilings	
095123	Acoustical Tile Ceilings	Deleted 03/04/14
095426	Linear Wood Ceilings	Reissued 03/04/14
096400	Wood Flooring	
096513	Resilient Base and Accessories	Reissued 03/04/14
096543	Linoleum Flooring	Reissued 03/04/14
096623	Resinous Matrix Terrazzo Flooring	Reissued 03/04/14
096813	Tile Carpeting	Reissued 03/04/14
098433	Sound-Absorbing Wall Units	
099113	Exterior Painting	Issued 11/21/13
099123	Interior Painting	Issued 11/21/13

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102113	Toilet Compartments	Issued 11/21/13
102238	Operable Panel Partitions	Issued 11/21/13
102238.13	Operable Glass Panel Partitions	
102613	Corner Guards	Revised 04/01/14
102800	Toilet, Bath, and Laundry Accessories	
104413	Fire Extinguisher Cabinets	
104416	Fire Extinguishers	
107316	Canopies	Issued 11/21/13

Division 11- Equipment

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115213	Projection Screens	

Division 12- Furnishings

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122413	Roller Window Shades	Issued 11/21/13
123661	Simulated Stone Countertops	
123663	Concrete Countertops	Issued 04/01/14
124813	Entrance Floor Mats and Frames	
126100	Fixed Audience Seating	

Division 13- Special Construction (Not Applicable)

Division 14- Conveying Equipment

142400	Hydraulic Elevators	Issued 09/16/13
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Division 15 to Division 20 (Not Applicable)

Division 21- Fire Suppression

215250	Fire Suppression Systems	Issued 12/18/13
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Division 22- Plumbing

221113	Water Distribution Systems	Issued 09/16/13
221313	Facility Sanitary Sewers	Issued 09/16/13
224000	Plumbing Systems	Issued 11/21/13
224240	Water Heaters and Accessories	Issued 11/21/13
224500	Plumbing Fixtures and Trim	Issued 12/18/13

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230430	HVAC Test and Balance	Issued 11/21/13
230600	HVAC Piping Systems	Issued 11/21/13
231720	Variable Frequency Drives	Issued 11/21/13
231810	HVAC Piping Insulation	Issued 11/21/13
231900	Electric Heat Tracing	Issued 11/21/13
232500	Water Treatment	Issued 11/21/13
236720	Packaged Air-Cooled Scroll Chillers	Issued 11/21/13
237400	Terminal Units	Issued 11/21/13

Division 23- Heating, Ventilating, and Air-Conditioning (HVAC) (continued)

237600	Air Handling Units	Issued 11/21/13
238000	Air Distribution Devices	Issued 11/21/13
238200	Fans	Issued 11/21/13
238400	Ductwork	Issued 11/21/13
239000	Controls	Revised 03/04/14

Division 24 (Not Applicable)

Division 25- Integrated Automation (Not Applicable)

Division 26- Electrical

260100	Electrical General	Issued 11/21/13
261000	Electrical Basic Materials and Methods	Issued 11/21/13
262000	Service and Distribution	Issued 11/21/13
263000	Lighting	Issued 11/21/13
269200	Motor Controls and Wiring	Issued 11/21/13

Division 27- Communications

270500	Common Work Results for Communications	Issued 11/21/13
270526	Grounding and Bonding for Telecommunications Systems	Issued 11/21/13
270529	Combined Low Voltage / Power Floor Boxes	Issued 11/21/13
271100	Communications Equipment Room Fittings	Issued 11/21/13
274110	General Provisions for Integrated Audio-Visual Systems Equipment	Issued 11/21/13
274111	Work Common to Integrated Audio-Visual Systems Equipment	Issued 11/21/13
274111.11	Combined Low Voltage / Power Floor Boxes for Audio-Visual Systems Equipment	Issued 11/21/13
274133	Master Antenna Television System	Issued 11/21/13
275116	Public Address System	Issued 11/21/13

Division 28- Electronic Safety and Security

281600	Intrusion Detection	Issued 11/21/13
287210	Life Safety Systems	Issued 11/21/13

Division 29 (Not Applicable)

Division 30 (Not Applicable)

Division 31- Earthwork

311000	Site Clearing	Issued 09/16/13
312000	Earthmoving	Issued 09/16/13

Division 32- Exterior Improvements

321216	Asphalt Paving	Issued 09/16/13
321313	Concrete Paving	Issued 09/16/13
323113	Chain Link Fences and Gates	Issued 09/16/13
329200	Turf and Grasses	Issued 11/21/13
329300	Plants	Issued 11/21/13

Division 33- Utilities

334100	Storm Utility Drainage Piping	Issued 09/16/13
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Division 34 to Division 39 (Not Applicable)

Division 40- Process Integration (Not Applicable)

Division 41- Material Processing and Handling Equipment (Not Applicable)

Division 42 to Division 49 (Not Applicable)

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SECTION 101100
VISUAL DISPLAY SURFACES

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:
 - 1. Markerboards.
 - 2. *Glass markerboards.*

1.3 DEFINITIONS

- A. Visual Display Board Assembly: Visual display surface that is factory fabricated into composite panel form, either with or without a perimeter frame; includes chalkboards, markerboards, and tackboards.
- B. Visual Display Surface: Surfaces that are used to convey information visually, including surfaces of chalkboards, markerboards, tackboards, and surfacing materials that are not fabricated into composite panel form but are applied directly to walls.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for visual display surfaces.
- B. LEED Submittals:
 - 1. Product Data for Credit IEQ 4.1: For adhesives, documentation including printed statement of VOC content.
 - 2. Product Data for Credit IEQ 4.4: For composite wood products, documentation indicating that the product contains no urea formaldehyde.
- C. Shop Drawings: For visual display surfaces. Include plans, elevations, sections, details, and attachments to other work.
 - 1. Show locations of panel joints.
 - 2. Include sections of typical trim members.
- D. Samples for Verification: For each type of visual display surface indicated.
 - 1. Visual Display Surface: Not less than 8-1/2 by 11 inches, mounted on substrate indicated for final Work. Include one panel for each type, color, and texture required.
 - 2. Trim: 6-inch- long sections of each trim profile.
 - 3. Accessories: Full-size Sample of each type of accessory.
- E. Product Schedule: For visual display surfaces. Use same designations indicated on Drawings.

1.5 INFORMATIONAL SUBMITTALS

- A. Warranties: Sample of special warranties.

1.6 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For visual display surfaces to include in maintenance manuals.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver factory-built visual display surfaces, including factory-applied trim where indicated, completely assembled in one piece without joints, where possible. If dimensions exceed maximum manufactured panel size, provide two or more pieces of equal length as acceptable to Architect. When overall dimensions require delivery in separate units, prefit components at the factory, disassemble for delivery, and make final joints at the site.
- B. Store visual display surfaces vertically with packing materials between each unit.

1.8 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install visual display surfaces until spaces are enclosed and weathertight, wet work in spaces is complete and dry, work above ceilings is complete, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.
- B. Field Measurements: Verify actual dimensions of construction contiguous with visual display surfaces by field measurements before fabrication.
 - 1. Allow for trimming and fitting where taking field measurements before fabrication might delay the Work.

1.9 WARRANTY

- A. Special Warranty for Porcelain-Enamel Face Sheets: Manufacturer's standard form in which manufacturer agrees to repair or replace porcelain-enamel face sheets that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Surfaces lose original writing and erasing qualities.
 - b. Surfaces exhibit crazing, cracking, or flaking.
 - 2. Warranty Period: 50 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

- A. Particleboard: ANSI A208.1, Grade M-1., made with binder containing no urea formaldehyde.
- B. Extruded Aluminum: ASTM B 221, Alloy 6063.

2.2 MARKERBOARD ASSEMBLIES

- A. Porcelain-Enamel Markerboards: Balanced, high-pressure, factory-laminated markerboard assembly of three-ply construction consisting of backing sheet, core material, and porcelain-enamel face sheet with -gloss finish.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. AARCO Products, Inc.
 - b. ADP Lemco, Inc.
 - c. Aywon.
 - d. Bangor Cork Company, Inc.
 - e. Best-Rite Manufacturing.
 - f. Claridge Products and Equipment, Inc.
 - g. Egan Visual Inc.

- h. Ghent Manufacturing, Inc.
 - i. Marsh Industries, Inc.; Visual Products Group.
 - j. Platinum Visual Systems; a division of ABC School Equipment, Inc.
 - k. PolyVision Corporation; a Steelcase company.
 - l. Tri-Best Visual Display Products.
2. Manufacturer's Standard Core: Minimum 1/4 inch thick, with manufacturer's standard moisture-barrier backing.
 3. Laminating Adhesive: Manufacturer's standard, moisture-resistant thermoplastic type.

2.3 Glass Markerboards:

- A. *Manufacturers: Subject to compliance with requirements, provide products by one of the following:*
 1. *Bendheim, Ltd.*
 2. *Best-Rite Manufacturing; A brand division of MooreCo, Inc.*
 3. *Claridge Products and Equipment, Inc.*
 4. *Clarus Glassboards, LLC.*
 5. *Skyline Design.*
- B. *Glass Markerboards: 1/4 inch, tempered, safety glass markerboard, with smooth polished edge corner; color coated on back surface.*
 1. *Basis of Design: PPG Industries, Inc. "Starphire" ultraclear glass.*
- C. *Mounting: Concealed mounting hardware.*
- D. *Colors: Custom colors to match wall colors noted on Drawings.*
- E. *Marker Tray: Anodized aluminum tray, mounted to glass.*

2.4 MARKERBOARD ACCESSORIES

- A. Aluminum Frames and Trim: Fabricated from not less than 0.062-inch- thick, extruded aluminum; standard size and shape.
 1. Factory-Applied Trim: Manufacturer's standard.
- B. Chalktray: Manufacturer's standard, continuous.
 1. Box Type: Extruded aluminum with slanted front, grooved tray, and cast-aluminum end closures.

2.5 FABRICATION

- A. Porcelain-Enamel Visual Display Assemblies: Laminate porcelain-enamel face sheet and backing sheet to core material under heat and pressure with manufacturer's standard flexible, waterproof adhesive.
- B. Factory-Assembled Visual Display Units: Coordinate factory-assembled units with trim and accessories indicated. Join parts with a neat, precision fit.
- C. Aluminum Frames and Trim: Fabricate units straight and of single lengths, keeping joints to a minimum. Miter corners to a neat, hairline closure.
 1. Where factory-applied trim is indicated, trim shall be assembled and attached to visual display units at manufacturer's factory before shipment.

2.6 GENERAL FINISH REQUIREMENTS

- 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.

2.7 ALUMINUM FINISHES

- A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.

2.8 VISUAL DISPLAY SURFACE SCHEDULE

- A. Visual Display Board: assembled.
 - 1. Markerboard: Porcelain-enamel markerboard assembly.
 - a. Color: White.
 - 2. Corners: Square.
 - 3. Width: As indicated on Drawings.
 - 4. Height: As indicated on Drawings.
 - 5. Mounting Height: As indicated on Drawings.
 - 6. Factory -Applied Aluminum Trim: with clear anodic finish.
 - 7. Accessories:
 - a. Chalktray: Box type.
- B. *Glass Marker Board:*
 - 1. *Width: As indicated on Drawings.*
 - 2. *Height: As indicated on Drawings.*
 - 3. *Mounting Height: As indicated on Drawings.*
 - 4. *Accessories: Marker tray.*

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, surface conditions of wall, and other conditions affecting performance of the Work.
- B. Examine walls and partitions for proper preparation and backing for visual display surfaces.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions for surface preparation.
- B. Clean substrates of substances that could impair the performance of and affect the smooth, finished surfaces of visual display boards, including dirt, mold, and mildew.
- C. Prepare surfaces to achieve a smooth, dry, clean surface free of flaking, unsound coatings, cracks, defects, projections, depressions, and substances that will impair bond between visual display surfaces and wall surfaces.

3.3 INSTALLATION, GENERAL

- A. General: Install visual display surfaces in locations and at mounting heights indicated on Drawings, or if not indicated, at heights indicated below. Keep perimeter lines straight, level, and plumb. Provide grounds, clips, backing materials, adhesives, brackets, anchors, trim, and accessories necessary for complete installation.
 - 1. Mounting Height : 32 inches above finished floor to top of chalktray.

3.4 INSTALLATION OF FACTORY-FABRICATED VISUAL DISPLAY BOARDS AND ASSEMBLIES

- A. Visual Display Boards: Attach concealed clips, hangers, and grounds to wall surfaces and to visual display boards with fasteners at not more than 16 inches o.c. Secure both top and bottom of boards to walls.
 - 1. Field-Applied Aluminum Trim: Attach trim over edges of visual display boards and conceal grounds and clips. Attach trim to boards with fasteners at not more than 24 inches o.c.
 - a. Attach chalktrays to boards with fasteners at not more than 12 inches o.c.

3.5 CLEANING AND PROTECTION

- A. Clean visual display surfaces according to manufacturer's written instructions. Attach one cleaning label to visual display surface in each room.
- B. Touch up factory-applied finishes to restore damaged or soiled areas.
- C. Cover and protect visual display surfaces after installation and cleaning.

END OF SECTION 101100

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SECTION 102613
CORNER GUARDS

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: Corner guards.

1.3 ACTION SUBMITTALS

- A. Product Data: Include construction details, material descriptions, impact strength, dimensions of individual components and profiles, and finishes for each wall protection unit.
- B. Shop Drawings: For each corner guard unit showing locations and extent. Include sections, details, and attachments to other work.
- C. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below.
 - 1. Corner Guards: 12 inches long. Include examples of joinery, corners, and field splices.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by manufacturer.
- B. Source Limitations: Obtain corner guards from single source from single manufacturer.
- C. Product Options: Drawings indicate size, profiles, and dimensional requirements of corner guards and are based on the specific system indicated. Refer to Section 014000 "Quality Requirements."
 - 1. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store corner guards in original undamaged packages and containers inside well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.
 - 1. Maintain room temperature within storage area at not less than 70 deg F during the period materials are stored.

1.6 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install corner guards until building is enclosed and weatherproof, wet work is complete and dry, and HVAC system is operating and maintaining temperature at 70 deg F for not less than 72 hours before beginning installation and for the remainder of the construction period.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Stainless-Steel Sheet: ASTM A 240/A 240M.
- B. Fasteners: Aluminum, nonmagnetic stainless-steel, or other noncorrosive metal screws, bolts, and other fasteners compatible with items being fastened. Use security-type fasteners where exposed to view.
- C. *Plastic: Clear, extruded thermoplastic.*
 - 1. *Fire Resistance: UL 94, V2 rating.*
 - 2. *Surface: Smooth.*

2.2 CORNER GUARDS

- A. Surface-Mounted, Metal Corner Guards: Fabricated from one-piece, formed or extruded metal with formed edges; with 90- or 135-degree turn to match wall condition.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. American Floor Products Co., Inc.
 - b. Arden Architectural Specialties, Inc.
 - c. Balco, Inc.
 - d. Boston Retail Products.
 - e. Construction Specialties, Inc.
 - f. IPC Door and Wall Protection Systems; Division of InPro Corporation.
 - g. Korogard Wall Protection Systems; a division of RJF International Corporation.
 - h. Pawling Corporation.
 - i. Tepromark International, Inc.
 - j. WallGuard.com.
 - 2. Material: Stainless steel.
 - a. Thickness: Minimum 0.0625 inch.
 - b. Finish: Directional satin, No. 4.
 - 3. Wing Size: Nominal 3-1/2 by 3-1/2 ~~2-1/2 by 2-1/2~~ inches.
 - 4. Length: 48 inches.
 - 5. Corner Radius: 1/8 inch.
 - 6. Mounting: Flat-head, countersunk screws through factory-drilled mounting holes .
- B. *Surface-Mounted, Plastic Corner Guards:*
 - 1. *Basis of Design: Subject to compliance with requirements, provide products by InPro Corporation, or comparable products by acceptable manufacturer.*
 - 2. *Material: Thermoplastic.*
 - a. *Thickness: 0.100 inches.*
 - 3. *Wing Size: 2-1/2 by 2-1/2 inches.*
 - 4. *Length: 48 inches.*
 - 5. *Mounting: Screw attached.*

2.3 FABRICATION

- A. Assemble components in factory to greatest extent possible to minimize field assembly. Disassemble only as necessary for shipping and handling.
- B. Fabricate components with tight seams and joints with exposed edges rolled. Provide surfaces free of wrinkles, chips, dents, uneven coloration, and other imperfections. Fabricate members and fittings to produce flush, smooth, and rigid hairline joints.

2.4 METAL FINISHES

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
 - 1. Remove tool and die marks and stretch lines, or blend into finish.
 - 2. Grind and polish surfaces to produce uniform finish, free of cross scratches.
 - 3. Run grain of directional finishes with long dimension of each piece.
 - 4. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.
- B. Protect finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and wall areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.
- B. Examine walls to which wall protection will be attached for blocking, grounds, and other solid backing that have been installed in the locations required for secure attachment of support fasteners.
 - 1. For corner guards attached with adhesive or foam tape, verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Complete finishing operations, including painting, before installing wall protection system components.
- B. Before installation, clean substrate to remove dust, debris, and loose particles.

3.3 INSTALLATION

- A. General: Install corner guards level, plumb, and true to line without distortions. Do not use materials with chips, cracks, voids, stains, or other defects that might be visible in the finished Work.
 - 1. Install corner guards in locations and at mounting heights indicated on Drawings or, if not indicated, at heights indicated below:
 - a. Set bottom of unit flush with top of base.
 - 2. Provide splices, mounting hardware, anchors, and other accessories required for a complete installation.
 - a. Provide anchoring devices to withstand imposed loads.

3.4 CLEANING

- A. Remove excess adhesive using methods and materials recommended in writing by manufacturer.

END OF SECTION 102613

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SECTION 123663
CONCRETE 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: Concrete countertops and backsplashes.

1.3 ACTION SUBMITTALS

- A. Product Data: For countertop materials.
- B. LEED Submittals:
 - 1. Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content. Include statement indicating cost for each product having recycled content.
 - 2. Product Data for Credit IEQ 4.4: For adhesives, documentation indicating that product contains no urea formaldehyde.
- C. Shop Drawings: For countertops. Show materials, finishes, joint locations, edge and backsplash profiles, methods of joining, and cutouts for plumbing fixtures.
- D. Samples for Verification: For the following products:
 - 1. Countertop material, 6 inches square.
 - 2. One full-size concrete countertop, with front edge and backsplash, 8 by 10 inches, of construction and in configuration specified.

1.4 PROJECT CONDITIONS

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

1.5 COORDINATION

- A. Coordinate locations of utilities that will penetrate countertops or backsplashes.

PART 2 - PRODUCTS

2.1 CONCRETE COUNTERTOPS

- A. Basis of Design: Subject to compliance with requirements, provide Meld USA "Micro" and "Luxe" concrete countertops.
- B. Concrete Countertops: Solid sheets consisting of recycled glass aggregates bound together with a matrix of concrete.
 - 1. Thickness: 1-1/2 inches.
 - 2. Colors: As indicated on Drawings or custom color to match.
- C. Configuration: Provide countertops with the following front and backsplash style:
 - 1. Front: Straight, slightly eased at top.
 - 2. Backsplash: Straight, slightly eased at corner.
 - 3. Endsplash: Matching backsplash.

- D. Countertops: 1-1/2 inches thick, concrete with recycled glass aggregate.
- E. Backsplashes: 1-1/2 inches thick.
- F. Fabrication: Fabricate tops in one piece with shop-applied edges unless otherwise indicated. Comply with concrete countertop manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.
 - 1. Fabricate with loose backsplashes for field assembly.
- G. Sealer: VOC compliant; recommended by concrete countertop manufacturer.
- H. Adhesives: Adhesives shall not contain urea formaldehyde.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install countertops level to a tolerance of 1/8 inch in 8 feet.
- B. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with manufacturer's written instructions. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
 - 1. Install backsplashes and endsplashes to comply with manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.
 - 2. Seal exposed surfaces of countertop, back splash, and end splash.

END OF SECTION 123661