



Fulton County, GA

# Department of Purchasing & Contract Compliance

June 25, 2014

**Re:** #14ITB-51514K-MH  
Renovation and Expansion at the Auburn Avenue Research Library

Dear Bidders:

Attached is one (1) copy of Addendum 3, hereby made a part of the above referenced **ITB**.

Except as provided herein, all terms and conditions in the **Bid** referenced above remain unchanged and in full force and effect.

Sincerely,

*Mark Hawks*

Mark Hawks  
Assistant Purchasing Agent

Winner 2000 - 2009 Achievement of Excellence in  
Procurement Award • National Purchasing Institute



#14ITB-51514K-MH

Renovation and Expansion at the Auburn Avenue Research Library

**Addendum No. 3**

**Page Two**

This Addendum forms a part of the contract documents and modifies the original ITB documents as noted below:

- 1. Due date for this bid is July 7, 2014, at 2:00 p.m.**
- 2. Questions and responses**
- 3. Revised Bid Form**
- 4. Clarifications and additional specification drawings**

ACKNOWLEDGEMENT OF ADDENDUM NO. 3

The undersigned proposer acknowledges receipt of this addendum by returning one (1) copy of this form with the proposal package to the Department of Purchasing & Contract Compliance, Fulton County Public Safety Building, 130 Peachtree Street, Suite 1168, Atlanta, Georgia 30303 by the ITB due date and time **July 7, 2014, 2:00 P.M.**

This is to acknowledge receipt of Addendum No. 3, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Legal Name of Bidder

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Title

Question	Question	Response
Q1	Please advise on whether or not the Thursday, May 29, 2014, Pre-Bid Conference is mandatory.	The May 29th pre-bid conference was not Mandatory
Q2	Request approval of SWFcontract shading systems commercial solar shades. Substitution request and back-up information provided.	Substitution request not accepted by Architect.
Q3	Is the County open to a legally binding teaming agreement for the Auburn Ave Library, vs a joint venture? We are concerned if we have sufficient time to set up the JV with all the legalease before the bid is due.	The county does not recognize teaming agreements. What we are looking for is a Joint Venture or a Prime / Sub relationship.
Q4	I thought the drawing would be available electronically. Can you please assist.	Bid Documents are available for viewing purposes in Fulton County Purchasings office or are available for purchase through BuckBlue - please reference Invitation To Bid, page 1 of 3.
Q5	Request approval of Acoustical Wall Systems Absorption Diffusion panel manufactured and installed by Accutrack Systems. Substitution request and back-up information provided.	Substitution request not accepted by Architect.
Q6	Please verify if the Owner will be handling the NPDES Monitoring	The Owner will be handling the NPDES monitoring.
Q7	Specification 00700 requires the General Contractor to provide a more comprehensive photo documentation system including Aerial photos. Spec 013000 calls for a different requirement of photos including non-aerial photos. Please clarify.	Please provide photo documentation per section 00700-103.
Q8	The Table of Contents does not include all spec sections. Please clarify.	The Table of Contents was revised to include the missing Sections. See Addendum Number One dated June 24, 2014.
Q9	Specification 011000, 1.02 references CM at Risk contract. In addition, CM at Risk is noted in several other locations of the specifications (including the Written Procedures and Project Information Systems). Please clarify.	Project Delivery Method is Design-Bid-Build. For purposes of this ITB, all references to "CM" or "CM at Risk" or "Construction Manager" or "General Contractor" shall be replaced with "Contractor".

Question	Question	Response
Q10	Specification 012213, 1.04 notes that cash allowances will be provided for replacement of existing landscaping, utility location, selective clearing, tree surgeon, soils and concrete testing, blasting and monitoring. Please clarify.	There will be no cash allowances for Soils and Concrete Testing (012213, 1.04, C.1) and Blasting Monitoring (012213, 1.04, C.2).
Q11	Specification 012213, 1.05 notes that Erosion Control costs shall be per unit prices. Please clarify.	Erosion Control shall be the responsibility of the Contractor and included in the base bid. Unit prices for Erosion Control items are included in the Unit Price Section of the Bid Form for erosion control outside of base contract work. See revised specifications Section 01 22 13, 1.05
Q12	Specification 012213, 1.11 notes that Fencing Costs shall be per unit prices. Please clarify.	All fencing, temporary and permanent, shall be included in the base bid. See revised Specifications Section 012213, 1.11.
Q12	Specification 015000, 1.09 notes that we are to coordinate with the Owner' security program. Please provide more clarification of the program. In addition, please clarify exactly what type of security will be required of the General Contractor.	The Contractor is solely responsible to provide all temporary fences, barricades, construction signage, covered walkways, etc., per the contract documents, site logistics plan, safety plan, OSHA requirements, industry best practices, or as necessary to protect the building, jobsite, etc., and for the safety of pedestrians/public, scheduled visitors, project personnel, and construction personnel. The Contractor is solely responsible for traffic control safety and for the security at the jobsite.
Q13	Detail 5/L201 shows 3000# concrete. Specification 321313 Concrete Paving indicates 4000# concrete. Please clarify. In addition, please clarify if reinforcing is required for sidewalks (none shown in detail 5/L201).	Provide 4000# concrete. No reinforcing is required in the sidewalk.
Q14	The concrete strengths indicated on drawing S-001, 4.01 differ from the strengths given in specification 033000. Please clarify which is correct.	S-001 is correct. Specification 033000 is updated and included in JWRA/Freelon Addendum No. 1.

Question	Question	Response
Q15	Specification 040100 - Maintenance of Masonry contains references to tuck-pointing, repair of damaged masonry, replacement of masonry and cleaning. The drawings do not provide areas for this work. Please provide more clarifications as to extent of this work.	Following specifications for Maintenance of Masonry. Only defective joints require repair, and original mortar joints in good condition are preferred over repointed mortar joints. Conditions which may require repointing include: 1.) mortar erosion more than 1/8"; 2.) crumbling mortar; 3.) hairline cracks in the mortar; and 4.) cracks between the brick and the mortar.
Q16	Specification 042000, 2.02 notes that we are to match the architect's sample for face brick. Please provide name and type of the sample.	See Addendum No. 1 from JWRA/Freelon Group - Brick to match existing building brick.
Q17	Specification 014533 and 042000 show that the owner pays masonry testing. However, 042013 indicates the general contractor is required.	The Owner to provide masonry testing.
Q18	Specification 087100, 3.10 notes that we are to verify if existing hardware is in good working order and adjust/replace as necessary. The condition of the existing hardware may be too subjective to price and quantify. Please provide a more definitive quantity for pricing purposes.	Assume 50% of the existing hardware will require replacement.
Q19	The specifications require that temporary power and water will be required to be paid by the general contractor. The building is an existing building owned by Fulton County. Please clarify if the power and water bill (and any other utility bill) will be switched to GC's name during construction or if the owner will pay for these utilities.	The electric, natural gas and water bill shall for the Auburn Avenue Research Library shall remain in the Owners name during the renovation and addition.
Q20	Specification 316316, 1.03 calls for Auger Cast Piles to be bid per the soils report and adjusted via a unit price for lengths lengths that differ. The bid form does not contain a unit price for Auger Cast Piles.	The Bid Form to be revised accordingly and included in this addendum.

Question	Question	Response
Q21	This project is scheduled to bid at 11am on a Monday (6/3/14). The bid submittal contains a great deal of information that must be provided with the bid. Many vendors would like to bid this project. However a Monday bid after a weekend shortens the amount of time necessary to provide bid as required. I would like to ask that the bid time be extended a few hours (until 2pm) to accomodate all the information required.	Bid due time will be adjusted to 2:00 p.m.
Q22	Spec Section 12 61 00: Fixed Audience Seating. Per paragraph 2.02, C, the seating upholstery fabric is not included in the finish schedule (plan A 711). Please clarify/specify the fabric required.	Seat Fabric: KI Streetscape Grade 1 color: 1 SHA Hot Lava. Seat Back: Pallas Ma Charming 29.060.088.
Q23	Wayfinding - Signage Counts differ from Bid Form and Sign Location Plans, which sign quantities are correct?	Signage Package Bid Form updated and included in this Addendum. The Contractor is responsible for providing and installing the signage per the plans and specs and should not substitute the bid form quantities from doing their own quantity take-off.
Q24	I have looked over the bid package several times and don't see anything that discusses FF&E requirements - no drawings or specs in this package.	Bid Documents are available for viewing purposes in Fulton County Purchasings office or are available for purchase through BuckBlue - please reference Invitation To Bid, page 1 of 3.
Q25	Section 01 10 00, 1.02, C.5 states that Fulton County will supply the signage to the CM for installation. As a signage fabricator we are interested in bidding to the GC's for the signage part of the work. There is signage documents in the documents in the bid documents. But I am confused if we are the bid the signage to Fulton County since it states that they have an allowance and are providing. Can you clarify if signage is bidding and if so to who?	The Signage/Wayfinding Package is bidding to General Contractors. The Contractor shall provide in the Base Bid.
Q26	Will the plans for this project be available for download or do paper copies need to be picked up?	Bid Documents are available for viewing purposes in Fulton County Purchasings office or are available for purchase through BuckBlue - please reference Invitation To Bid, page 1 of 3.

Question	Question	Response
Q27	Would like for you and the Mechanical Engineer to consider polypropylene pressure piping for the Auburn Avenue Research Library.	Please reference section 01 63 00, Product Substitutions and Options, of the Bid Documents for the proper procedure to request a substitution.
Q28	We need sign type drawings for Sign Type 13.1 and 13.2. (sign types are on Bid Form).	Sign type 13.2 (sheet SG.I.20) added to Signage documents. SLP.2 and SLP.3 to be updated to reflect sign type 13.2. Added and updated sheets included in this addendum.
Q29	Please advise on the composition and thickness of the existing roof system to be removed.	The existing roof is a built up roof with ballast and insulation. The total thickness is not available.
Q30	Doors 118.1, 118.2, 121.1, 307.2 and ST-3.3.2 have conflicting Finishes and Door Types. Please clarify	See Sheet A601 of JWRA/Freelon Group Addendum No. 1
Q31	Doors 307.1 and ST-3.3.1 show as existing, but still show references to new door types. Please clarify.	See Sheet A601 of JWRA/Freelon Group Addendum No. 1
Q32	We are requesting that the 6/30/2014 bid time be moved to later in the day, i.e. from 11:00 AM ET to 3:00 PM ET.	See question #21 (Q21) and Response
Q33	Sheet M703 is off center, with a portion of the information off the page and unreadable. Could this sheet be reissued?	This sheet will be issued in JWRA/Freelon Group Addendum No. 1
Q34	The exterior building letters are specified to be 2" deep. You cannot evenly illuminate letters any less than 3.5" deep. Please make the signage consultant Stanley Beaman and Sears aware of this.	<b>Signtype 2.1:</b> a 2" channel letter depth is considered to be 'low profile'. With today's technology (wide angle spread LED's and various diffusion and light enhancement films) this letter depth is achievable without hotspots or shadowing. AFPLS sign contractors are required to comply with the design intent set forth in the wayfinding standards documents. However, in this case, a depth increase to 2 ½" deep would be acceptable if it makes a particular manufacturer more comfortable.
Q35	On drawing sheets S102 and S103 reinforcing note b is for strengthening the existing columns. The note points to detail 10/S503, this detail is for cutting holes in existing beams. Please provide detail for strengthening existing columns. Also provide sizes of existing columns that need to be strengthened.	The detail for column strengthening is 7/S503. Only columb H.14 will require strengthening.

Question	Question	Response
Q36	We are interested in bidding the above project as a subcontractor. I found the drawings/specs on the Dodge report, however they are only half-size documents, and to enlarge them, the quality is greatly diminished. Would you have full size drawings for this project? If so, are they available for download?	See response to Q26.
Q37	Please confirm that the only document to be completed only by our subcontractors for inclusion with our bid submittal is the Exhibit D.	Subcontractors must complete Exhibit A, B & D with the bid submittal.
Q38	Note on sheets C3.0 and L200 call for replacement of existing hexagonal pavers "as needed". For pricing purposes, please advise what percentage of pavers we are to assume replaced in order to keep this bid requirement uniform between bidders.	Provide 15% re-use of existing hexagonal pavers, all other hexagonal pavers to be new.
Q39	Keynote #5 on sheet P202D calls for replacement of existing valves-to-remain "that fail to shut off." Since the testing has not been conducted yet, please advise, for pricing purposes, the number of valves we are to assume replaced in order to keep this bid requirement uniform between bidders.	Replace all valves in existing domestic water piping that is not demolished. See Sheet P202D in this JWRA/Freelon Group Addendum No. 1.
Q40	Specification 04 20 00-4, paragraph 2.05 Flashings, lists both copper/kraft paper flashing and stainless steel polymer fabric flashing. Please advise which one is to be used on project.	Provide copper/kraft paper flashing.
Q41	Note on sheet L200 calls for signage at wall to be "by others." Please confirm that this note only means that the sign is not by the landscaping subcontractor, by the signage contractor, and is part of this bid.	Contractor is to provide and install all signage indicated on contract documents and shall be a part of this bid.
Q42	Sheet L200 calls for re-use of "granite curb salvaged from the entry area."	The granite curb to be salvaged are to be cut and used at the planting area on the south side of the building as noted.
Q43	Demolition Notes "D-4" and "D-7" on sheet A-203-D ca;; for the existing wood windows and window sills to be salvaged after removal.	Demolition Notes "D-4" and "D-7" were deleted. No existing wood to be salvaged for re-use with the exception of Add Alternate #6 (Floating Wood Reclaimed Ceiling).
Q44	Specification Section 04 20 13-11, paragraph 2.07, lists both loose granular perlite insulation and loose granular vermiculite insulation. Please advise which one is to be utilized for the project.	Delete this paragraph 2.07.

Question	Question	Response
Q45	The elevator penthouse roof on sheet A105 references Bid Alternat #11 on the list of Alternates. Please clarify.	The elevator penthouse roof note was changed to Deductive Alternate No. 3.
Q46	Detail 2/A-401 states that the new steel stair support beam is to be "painted AESS." Detail 4/A401A calls for it to be wrapped in drywall, which would negate the AESS requirement. Please clarify.	The support beam shall be protected per detail 4/A401A.
Q47	Specification Section 04 20 13-5, paragraph 1.8 references a specification for "Allowances," which is not a part of the bid documents. Please advise if we are to disregard.	No allowance are required, please disregard.
Q48	Please clarify exactly how and where the existing high density shelving on the first floor is supposed to be handled.	There is no existing high density shelving on the first floor.
Q49	Section 01 10 00, paragraph 1.02, Contract Description, item C.1: calls for furniture designated "Owner Furnished, Contractor Installed" items to be installed by Owner. The furniture plans do not give a direction. Please clarify.	See Response to Q51
Q50	Section 01 10 00, paragraph 1.02, Contract Description, item 5a states that the Signage Package is a pre-established allowance. Further, it states that it will be supplied by Fulton County for installation by the CM. Please clarify.	The Signage Package is not an allowance, it is to be bid and included in the Contractors base bid. The Contractor is responsible for providing and installing the signage package per plans and specs.
Q51	Section 01 10 00, paragraph 1.02, Contract Description, item 5b: states that "Contractor Provided, Contractor Installed" furniture will be supplied by Fulton County for installation by the CM. The furniture plans do not give a direction. Please clarify.	Contractor Provided and Installed furniture (FF&E) is indicated in Specification Sections 12 00 00 & 10 56 33. This includes, but is not limited to, the High Density Shelving and perimeter shelving in the stack areas. Owner Provided Furniture to be installed by Owner (Contractor to coordinate) unless noted otherwise in Contract Documents or Invitation to Bid. Contractor to coordinate and provide all required power connections/terminations to all FF&E whether provided by Owner or Contractor.
Q52	Substitution request for Tuttle and Bailey terminal units.	Tuttle and Bailey terminal units approved by Newcomb & Boyd.

**BID FORM**

Submitted To: Fulton County Government

Submitted By: \_\_\_\_\_

For: **#14ITB-51514K-MH, Renovation and Expansion at the Auburn Avenue Research Library**

Submitted on \_\_\_\_\_, 2014.

The undersigned, as Bidder, hereby declares that the only person or persons interested in the Bid as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Bid or in the Contract to be entered into; that this Bid is made without connection with any other person, company or parties making a Bid; and that it is in all respects fair and in good faith without collusion or fraud.

The Bidder further declares that he has examined the site of the work and informed himself fully in regard to all conditions pertaining to the place where the work is to be done; that he has examined the Drawings and Specifications for the work and contractual documents relative thereto, and has read all instructions to Bidders and General Conditions furnished prior to the openings of bids; that he has satisfied himself relative to the work to be performed.

The Bidder proposes and agrees, if this Bid is accepted, to contract with the Board of Commissioners of Fulton County, Atlanta, Georgia, in the form of contract specified, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary, and to complete the construction of the work in full and complete accordance with the shown, noted, and reasonably intended requirements of the Specifications and Contract Documents to the full and entire satisfaction of the Board of Commissioners of Fulton County, Atlanta, Georgia, with a definite understanding that no money will be allowed for extra work except as set forth in the attached General Conditions and Contract Documents for the following prices.

THE BASE BID IS THE AMOUNT UPON WHICH THE BIDDER WILL BE FORMALLY EVALUATED AND WHICH WILL BE USED TO DETERMINE THE LOWEST RESPONSIBLE BIDDER.

The base bid may not be withdrawn or modified for a period of sixty (60) days following the receipt of bids.

**BASE BID AMOUNT** (Do not include any Bid Add or Deductive Alternates)

\$ \_\_\_\_\_  
**(Dollar Amount In Numbers)**

\_\_\_\_\_  
**(Dollar Amount in Words)**

The Bidder agrees hereby to commence work under this Contract, with adequate personnel and equipment, on a date to be specified in a written "Notice to Proceed" from the County.

The Bidder declares that he understands that the quantities shown for the unit prices items are subject to either increase or decrease, and that should the quantities of any of the items of work be increased, the Bidder proposes to do the additional work at the unit prices stated herein; and should the quantities be decreased, the Bidder also understands that payment will be made on the basis of actual quantities at the unit price bid and will make no claim for anticipated profits for any decrease in quantities; and that actual quantities will be determined upon completion of work, at which time adjustments will be made to the contract amount by direct increase or decrease.

**BASE BID AMOUNT**

DIVISION	DESCRIPTION	TOTAL COST
1	General Requirements / General Conditions	
1	Insurance	
1	Permits and Fees	
2	Existing Conditions	
3	Concrete	
4	Masonry	
5	Metals	
6	Wood, Plastics & Composites	
7	Thermal & Moisture Protection	
8	Openings	
9	Finishes	
10	Specialties	
10	Signage	
11	Equipment	
12	Furnishings	
14	Conveying Systems	
21	Fire Suppression	
22	Plumbing	
23	HVAC	
26	Electrical	
27	Communications	
28	Electronic Safety & Security	
31	Earthwork	
32	Exterior Improvements	
33	Utilities	
	Contractor Fee ( ___%)	
Owner Controlled Contingency		\$1,358,264.00
<b>BASE BID AMOUNT</b> <i>(Divisions 1-33, Fee and Owner Controlled Contingency)</i>		

**ADD ALTERNATES (Reference Specification Section 01 23 00 in the Construction Documents)**

**ADD ALTERNATE #1**

Cost associated with the installation of **Pervious Pavers at the Parking Lot**. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, staffing, direct costs, indirect costs, equipment, labor and materials associated with the Add Alternate is \$\_\_\_\_\_.

**ADD ALTERNATE #2**

Cost associated with the installation of **Exterior Precast Wall Panels at the Main Entry**. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Add Alternate is \$\_\_\_\_\_.

**ADD ALTERNATE #3**

Cost associated with the installation of a **Mobile Kiosk**. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Add Alternate is \$15,000.00\_\_\_\_\_. Add Alternate #3, if accepted by the County, shall be an Allowance.

**ADD ALTERNATE #4**

~~Cost associated with the installation of **Fence and Gate at Rear Entry**. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Alternate is \$\_\_\_\_\_.~~

**ADD ALTERNATE #5**

Cost associated with the installation of **Art Hanging System at GWB Walls in Room 103 (including on Mobile Walls), Room 120 and Room 205**. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Add Alternate is \$\_\_\_\_\_.

**ADD ALTERNATE #6**

Cost associated with the installation of **Floating Reclaimed Wood Ceilings in Rooms 101, 201, and 301**. **Wood to be reclaimed is at the existing 1<sup>st</sup> floor Reading Room Ceiling. This is inclusive of required light fixture changes associated with this alternate.** Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Add Alternate is \$\_\_\_\_\_.

**ADD ALTERNATE #7**

Cost associated with the **addition of the Aluminum Alloy Metal Wall Panel System (exterior)**. **This includes the structural support for the metal wall panel system.** Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Add Alternate is \$\_\_\_\_\_.

**ADD ALTERNATE #8**

Cost associated with the installation of **Aluminum Alloy Metal Wall Panel System at the 2<sup>nd</sup> and 3<sup>rd</sup> Floor Lobby Areas (interior)**. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Add Alternate is \$\_\_\_\_\_.

**ADD ALTERNATE #9**

Cost associated with the installation of **Manual Roller Shades for Rooms 104 and 105**. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Add Alternate is \$\_\_\_\_\_.

**DEDUCTIVE ALTERNATES (Reference Specification Section 01 23 00 in the Construction Documents)**

**DEDUCTIVE ALTERNATE #1**

Cost associated with the **deletion of the Auditorium Balcony (2<sup>nd</sup> Floor) Seats**. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Deductive Alternate is (\$\_\_\_\_\_.)

**DEDUCTIVE ALTERNATE #2**

Cost associated with the **deletion of the Auditorium 1<sup>st</sup> Floor Seats**. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Deductive Alternate is (\$\_\_\_\_\_.)

**DEDUCTIVE ALTERNATE #3**

Cost associated with the installation of **TPO (60 mil) Roof in lieu of a Modified Bitumen Roof**. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Deductive Alternate is (\$\_\_\_\_\_.)

**DEDUCTIVE ALTERNATE #4**

Cost associated with removing the **High Density Carriages and Shelving from the 4<sup>th</sup> floor**. Installation of the in-slab tracks for the High Density Carriages will still occur if Deductive Alternate is accepted. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance, direct costs, indirect costs, staffing, equipment, labor and materials associated with the Deductive Alternate is (\$\_\_\_\_\_.)

**DEDUCTIVE ALTERNATE #5**

The **Luminaire Schedules** on Drawings E501, E502, and E503 contain the technical data associated with all the lighting fixtures on the project. Only the lighting fixture types that do not end in 'ALT' shall be used in the contractor's base bid. As Deductive Alternate #5, all the lighting fixture types that end in 'ALT' shall be substituted in lieu of their base bid counterparts and the reduction in bid price shall be provided as a single lump sum dollar amount. Total Cost is inclusive of all overhead, fees, permits, bonds, insurance,

direct costs, indirect costs, staffing, equipment, labor and materials associated with the Deductive Alternate is (\$\_\_\_\_\_.)

**UNIT PRICES (for items in addition or subtraction from base bid amount):**

1. Remove of and Dispose of off-site one CY of unsuitable soil or un-compacted soils (dry) - \$\_\_\_\_\_/CY.
2. Remove of and Dispose of off-site one CY of unsuitable soil or un-compacted soils (muck) - \$\_\_\_\_\_/CY.
3. Remove of and Dispose of off-site one CY of mass rock - \$\_\_\_\_\_/CY.
4. Remove of and Dispose of off-site one CY of trench rock - \$\_\_\_\_\_/CY.
5. Furnish and Install one CY of #57 Stone - \$\_\_\_\_\_/CY.
6. Furnish and Install one CY of #4 Stone - \$\_\_\_\_\_/CY.
7. Furnish and Install one CY of Suitable backfill/fill material from off-site - \$\_\_\_\_\_/CY.
8. Furnish and Install 1/2 acre of temporary vegetative cover. This amount shall be above and beyond the contract requirements for temporary seeding. \$\_\_\_\_\_/1/2 acre.
9. Furnish and Install one CY of Geotextile / Erosion Control Fabric - \$\_\_\_\_\_/CY.
10. Furnish and Install one LF of French Drain - \$\_\_\_\_\_/LF.
11. Provide one Augured Cast-in-Place Pile load test - \$\_\_\_\_\_/ea.
12. Provide additional length of Augured Cast-in-Place Pile installed, including reinforcement and spoilage removal and disposal - \$\_\_\_\_\_/LF. This rate applies to any additional or reduced length of ACIP Piles overall quantities.
13. Asphalt Pavement Repair (includes saw-cutting, removal & disposal of old material and installation of new asphalt) - \$\_\_\_\_\_/SF

**RELEVANT EXPERIENCE OF SIMILAR RENOVATION AND EXPANSION PROJECTS:**

**Project 1**

Project 1 Name \_\_\_\_\_

Project 1 Address \_\_\_\_\_

Project 1 Description of Project \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Project 1 Mobilization Date \_\_\_\_\_

Project 1 Completion Date \_\_\_\_\_

Project 1 Construction Cost \$ \_\_\_\_\_

Project 1 Reference Name & Phone # \_\_\_\_\_

Project 1 Reference email \_\_\_\_\_

**Project 2**

Project 2 Name \_\_\_\_\_

Project 2 Address \_\_\_\_\_

Project 2 Description of Project \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Project 2 Mobilization Date \_\_\_\_\_  
Project 2 Completion Date \_\_\_\_\_  
Project 2 Construction Cost \$ \_\_\_\_\_  
Project 2 Reference Name & Phone # \_\_\_\_\_  
Project 2 Reference email \_\_\_\_\_

**Project 3**

Project 3 Name \_\_\_\_\_  
Project 3 Address \_\_\_\_\_  
Project 3 Description of Project \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Project 3 Mobilization Date \_\_\_\_\_  
Project 3 Completion Date \_\_\_\_\_  
Project 3 Construction Cost \$ \_\_\_\_\_  
Project 3 Reference Name & Phone # \_\_\_\_\_  
Project 3 Reference email \_\_\_\_\_

The Bidder furthermore agrees that, in the case of a failure on his part to execute the Contract Agreement and Bonds within ten days after receipt of conformed contract documents for execution, the Bid Bond accompanying his bid and the monies payable thereon shall be paid into the funds of the Owner as liquidated damages for such failure.

Enclosed is a Bid Bond in the approved form, in the sum of:

\_\_\_\_\_ Dollars

(\$ \_\_\_\_\_) according to the conditions of "Instructions to Bidders" and provisions thereof.

The undersigned acknowledges receipt of the following addenda (list by the number and date appearing on each addendum) and thereby affirms that its Bid considers and incorporates any modifications to the originally issued Bidding Documents included therein.

ADDENDUM # \_\_\_\_\_ DATED \_\_\_\_\_  
ADDENDUM # \_\_\_\_\_ DATED \_\_\_\_\_  
ADDENDUM # \_\_\_\_\_ DATED \_\_\_\_\_



Item #	Description
A	Section 1 (Instructions to Bidders), 15. Disqualification of Bidders - Add "f. Companies who participated in pre-construction/design previously on this project."
B	Section 2 (Bid Form) has been revised and is attached.
C	Section 8, General Conditions, 00700-92 Scope of Work, 3, n. to add "Contractor to submit a submittal schedule to the Architect and Owner within 14 calendar days of Contractor's NTP. "
D	Section 8, General Conditions, 00700-92 Scope of Work, 3, n. to add "Submittal review times, including re-submittals, to start once submittal is received by Architect. "
E	Invitation to Bid - All references to "CM-at-Risk", "CM at Risk", "CM", "Construction Manager" shall be replaced with "Contractor".
F	Exhibit 8 - Contractor shall repair any damages caused to area in temporary Construction Easement that was a direct result of Contractor's work. Any repairs performed by Contractor shall bring damaged property back to the original condition, as reasonable as possible, status prior to Contractor taking temporary possession of property.
G	Add Alternate No. 4 will not be priced at bid time. Section 2, Bid Form has been adjusted.
H	City of Atlanta Building Permit cost will be \$202,211.00. The Contractor shall include this cost in their base bid.
I	City of Atlanta Impact fees will be \$4,175.00. The Contractor shall include this cost in their base bid.

**Graphics and  
Wayfinding  
Standard Guidelines**

**STANLEYBEAMAN&SEARS**

180 Peachtree Street, NW  
Suite 600  
Atlanta, GA 30303  
t 404.524.2200  
f 404.524.8610  
www.stanleybeamansears.com

**PROJECT DATA**

**Project Number:**  
11272

**Project Name:**

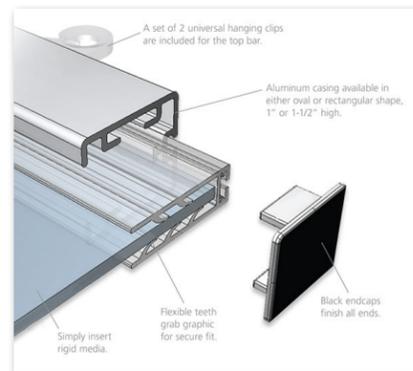
**AUBURN AVENUE**  
AFPLS Graphics and Wayfinding  
Fulton County Government  
130 Peachtree Street, SW  
Atlanta, GA 30303

Rev. No.	Description	Revision Date
1	100% SD Review 1	05.09.13
2	100% SD Submittal	05.16.13
3	100% DD Review	09.18.13
4	100% DD Submittal	10.21.13
5	50% CD Submittal	12.17.13
6	100% CD Review	05.02.14
7	100% CD Bidding Doc.	05.15.14
8	100% Bid Addendum 1	06.24.14

TITLE  
**Sign Type 13.2  
Ceiling Mounted ID  
Information**

DRAWING SHEET

**SG.I.20**



www.power-graphics.com



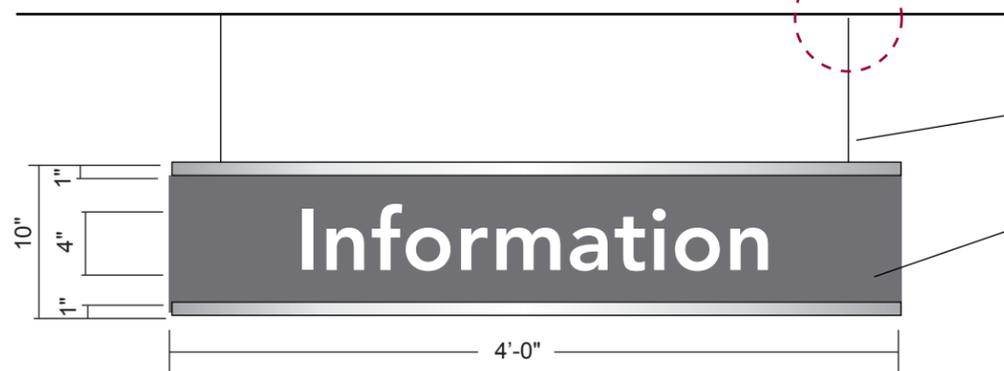
"Off the Shelf" standard aluminum extrusions and suspension methods, square profile



Ceiling connection as shown

<http://www.clear-path.com/plusmini.html>

"Off the Shelf" standard aluminum extrusions and suspension methods, square profile

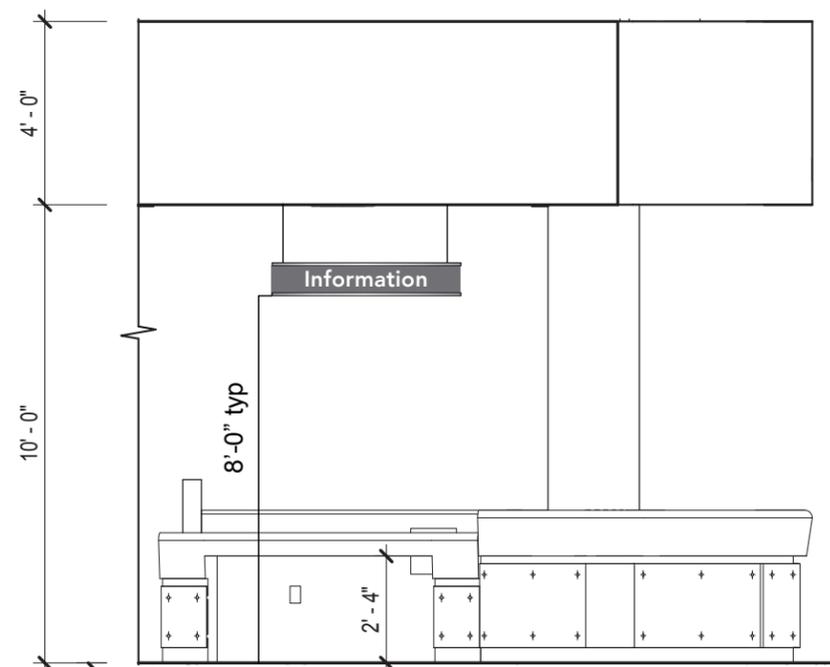


Sign #149, 238, 339 (Side A and Side B)

Aluminum cable (not chain)

Digital print mounted to 1/8" substrate. Wrap all sides.

Double-sided



2 Sign Type 13.2 - Information, Sample View  
SG.I.20 scale: 1/4" - 1'-0"

1 Sign Type 13.2, Type 2 - elevation  
SG.I.20 scale: 1" = 1'-0"

Graphics and Wayfinding  
Standard Guidelines

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Atlanta, GA 30303  
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f 404.524.8610  
www.stanleybeamansears.com

PROJECT DATA

Project Number:  
11272

Project Name:

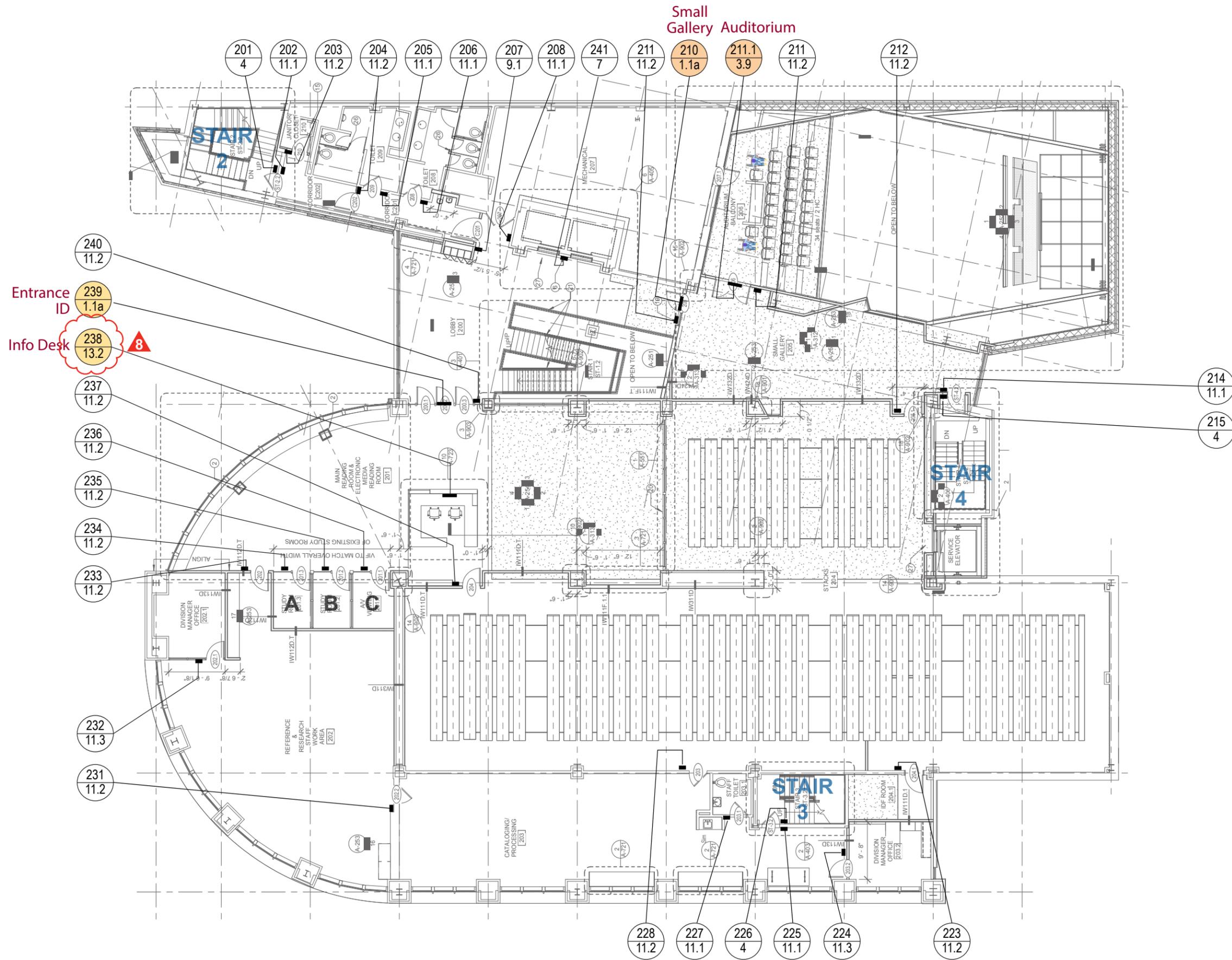
**AUBURN AVENUE**  
AFPLS Graphics and Wayfinding  
Fulton County Government  
130 Peachtree Street, SW  
Atlanta, GA 30303

Rev. No.	Description	Revision Date
1	100% SD Review 1	05.09.13
2	100% SD Submittal	05.16.13
3	100% DD Review	09.18.13
4	100% DD Submittal	10.21.13
5	50% CD Submittal	12.17.13
6	100% CD Review	05.02.14
7	100% CD Bidding Doc.	05.15.14
8	100% Bid Addendum 1	06.24.14

TITLE  
**Interior Sign  
Location Plan  
Level 2**

DRAWING SHEET

**SLP.2**



Entrance ID 239 1.1a  
Info Desk 238 13.2

**LEGEND**

- 000 Sign number
- 000 Sign Type
- Specialty Area Coordination

Drawings not to scale  
Locations approximate only.  
Consult sign drawings for details



Graphics and Wayfinding  
 Standard Guidelines

STANLEYBEAMAN&SEARS

180 Peachtree Street, NW  
 Suite 600  
 Atlanta, GA 30303  
 t 404.524.2200  
 f 404.524.8610  
 www.stanleybeamanssears.com

PROJECT DATA

Project Number:  
 11272

Project Name:

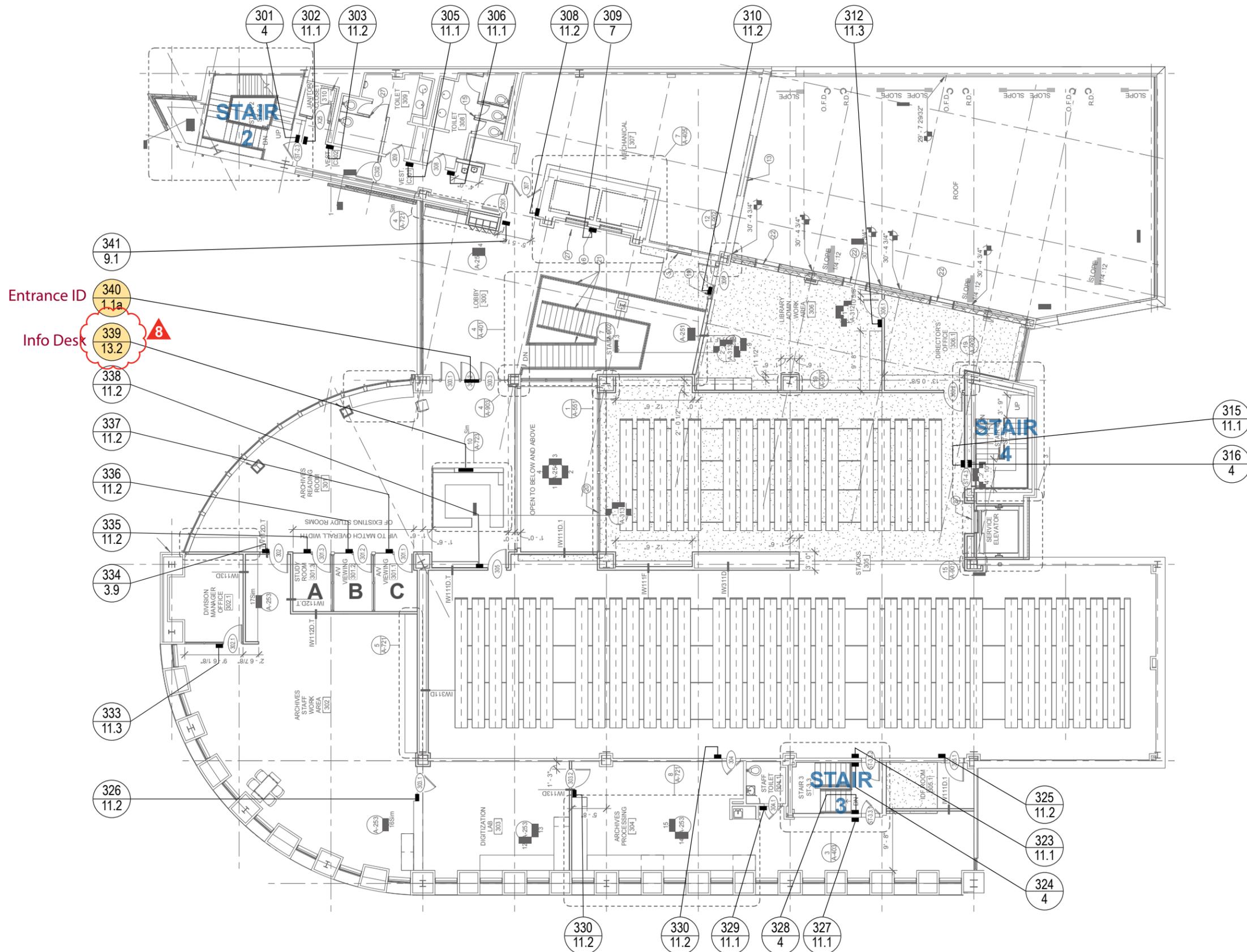
**AUBURN AVENUE**  
 AFPLS Graphics and Wayfinding  
 Fulton County Government  
 130 Peachtree Street, SW  
 Atlanta, GA 30303

Rev. No.	Description	Revision Date
1	100% SD Review 1	05.09.13
2	100% SD Submittal	05.16.13
3	100% DD Review	09.18.13
4	100% DD Submittal	10.21.13
5	50% CD Submittal	12.17.13
6	100% CD Review	05.02.14
7	100% CD Bidding Doc.	05.15.14
8	100% Bid Addendum 1	06.24.14

TITLE  
**Interior Sign  
 Location Plan  
 Level 3**

DRAWING SHEET

**SLP.3**



**LEGEND**

- 000 Sign number
- 000 Sign Type
- Specialty Area Coordination

Drawings not to scale  
 Locations approximate only.  
 Consult sign drawings for details

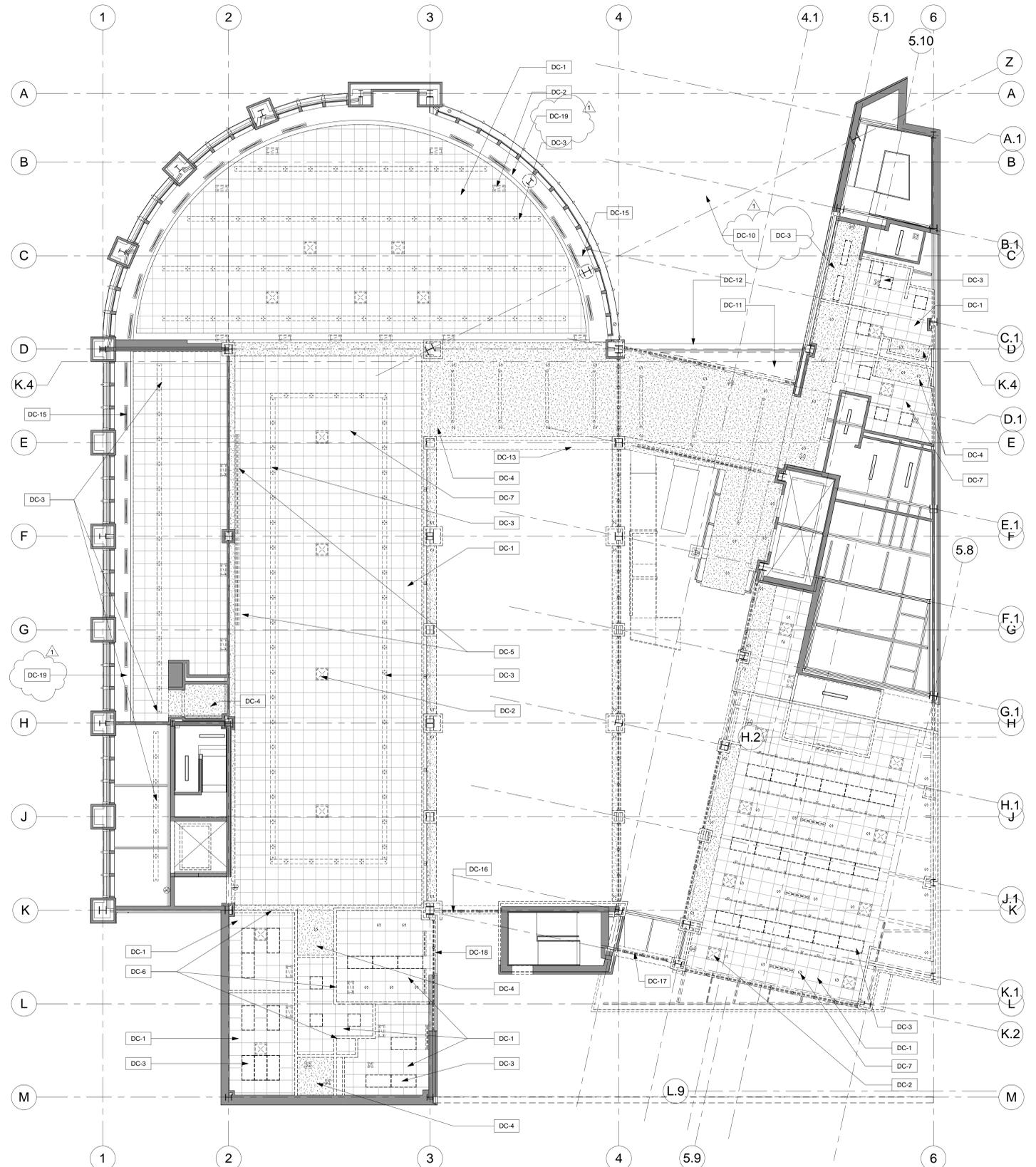
**AARL Signage & Graphics**  
Budget Pricing - 2014-06-24

EXTERIOR SIGN TYPE		DESIGNATION	QUANTITY	UNIT COST	SIGN TYPE COST TOTAL
EXTERIOR SIGN TYPE		FABRICATOR NAME HERE			
Main Identification - Freestanding Pylon, vertical	X1.1	0			\$0.00
Main Identification - Freestanding Pylon, horizontal- single sided	X1.2	1			\$0.00
Main Identification - Freestanding Pylon, Type 3	X1.3	0			\$0.00
Main Identification - Freestanding Pylon, Type 4	X1.4	0			\$0.00
Main Identification - Building Mount, Type 1 (illuminated)	X2.1	1			\$0.00
Main Identification - Building Mount, Type 2	X2.2	0			\$0.00
Secondary Entrance Identification, vertical	X3.1	0			\$0.00
Secondary Entrance Identification, horizontal	X3.2	0			\$0.00
Vehicular Directional, Type 1	X4.1	3			\$0.00
Vehicular Directional, Type 2	X4.2	0			\$0.00
Vehicular Directional, Type 3 DOT	X4.3	2			\$0.00
Vehicular Directional, Type 4	X4.4	0			\$0.00
Pedestrian Directional, Type 1	X5.1	0			\$0.00
Regulatory Signs: Reserved/HC Parking, Type 1	X6.1	3			\$0.00
Regulatory Signs: Reserved Parking, Type 2	X6.2	11			\$0.00
Behavior Signs, Type 1 (post mount)	X7.1	0			\$0.00
Behavior Signs, Type 2 (wall mount)	X7.2	0			\$0.00
Temporary Sign Guidelines	X8	0			\$0.00
Vehicle Graphics	X9	0			\$0.00
Book Return ID	X10	0			\$0.00
Exterior ADA Identification (zinc)	X11	4			\$0.00
Loading Zone Identification	X12.1	0			\$0.00
Loading Zone Rules	X12.2	0			\$0.00
INTERIOR SIGN TYPE		DESIGNATION	QUANTITY	UNIT COST	SIGN TYPE COST TOTAL
Entry Door Graphics, vinyl type 1	1.1	2			\$0.00
Entry Door Graphics, hours of operation	1.2	2			\$0.00
Entry Door Graphics, vinyl on glass	1.1a	6			\$0.00
Hours of Operation-panel	1.2	0			\$0.00
Donor Recognition Plaques	2.1	0			\$0.00
Donor Recognition Wall	2.2	0			\$0.00
Main Department ID - Café (dimensional letters)	3.1	0			\$0.00
Main Department ID - FOLB (dimensional letters)	3.2	0			\$0.00
Main Department ID - Information (dimensional letters)	3.3	0			\$0.00
Main Department ID - New Materials (dimensional letters)	3.4	0			\$0.00
Main Department ID - Children (dimensional letters)	3.5	0			\$0.00
Main Department ID - Alt (dimensional letters)	3.6	0			\$0.00
Main Department ID - Alt (dimensional letters)	3.7	0			\$0.00
Main Department ID - Teen (dimensional letters)	3.8	0			\$0.00
Main Department ID - Meeting Room (dimensional letters)	3.9	5			\$0.00
Internal Stairwell Information	4	13			\$0.00
Building Directory	0	0			\$0.00
Level Directory	0	0			\$0.00
Elevator Directory	7	5			\$0.00
Wall Mounted Directional, Type 1	8.1	0			\$0.00
Wall Mounted Directional, Type 2	8.2	0			\$0.00
Ceiling Mounted Directional	9	0			\$0.00
Flag Mount, Type 1	9.1	4			\$0.00
Regulatory: Insert Holders, Type 1 (8.5 x 11) wall mount	10.1	20			\$0.00
Regulatory: Insert Holders, Type 2 (11 x 17) wall mount	10.2	20			\$0.00
Regulatory: Insert Holders, Type 4 (8.5 x 11) table top	10.3	20			\$0.00
Regulatory: Insert Holders, Type 4 (11 x 17) table top	10.4	20			\$0.00
Regulatory: Insert Holders, Type 4 (8.5 x 11) pedestal mount	10.5	10			\$0.00
Room Identification, Type 1 (restroom, stair)	11.1	24			\$0.00
Room Identification, Type 2 (back of house)	11.2	60			\$0.00
Room Identification, Type 3 (with insert)	11.3	5			\$0.00
Room Identification, Type 4 (in-use/paper grip feature)	11.4	1			\$0.00
Book Stack Range, Type 1, stack end	12.1	0			\$0.00
Book Stack Range, Type 2, stack top	12.2	0			\$0.00
Book Stack Range, Type 3, stack top large	12.3	0			\$0.00
Ceiling Mounted Range Finder, Type 1	13.1	2			\$0.00
Ceiling Mounted Range Finder, Type 2	13.2	1			\$0.00
Community Information Area Theme	14	0			\$0.00
Digital Display Guidelines	15	0			\$0.00
Information Kiosk	16	0			\$0.00
Wall Mount Regulatory	17	0			\$0.00
Dedication Plaque	18	1			\$0.00
Interior Book Return ID	19	0			\$0.00
Total Unit Cost		246			\$0.00
		FABRICATOR NAME HERE			

Tax*	0.00%	INCL
Install flat fee (Exterior)	\$0.00	
Install flat fee (Interior Bldg.)	\$0.00	
S&H flat fee	\$0.00	
Other flat fee "color match"	\$0.00	
Permitting flat fee	\$0.00	
<b>TOTAL</b>	<b>\$0.00</b>	

ADD / ALTERNATES	DESIGNATION	QUANTITY	UNIT COST (ADD)	TOTAL (ADD)
		0	\$0.00	\$0.00
		0	\$0.00	\$0.00

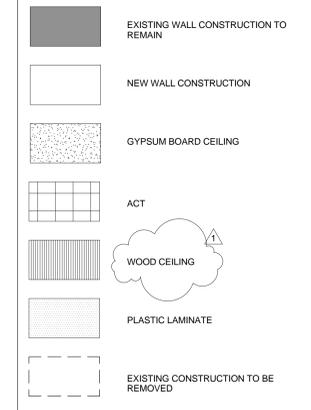
\* Tax: See note for tax details. Tax included in unit costs.



**REFLECTED CEILING PLAN  
DEMOLITION NOTES**

- CEILING DEMOLITION NOTES**
- DC-1 REMOVE EXISTING ACT, GRID, HANGERS AND ALL CEILING SUPPORT ITEMS.
  - DC-2 REMOVE EXISTING GYPSUM WALL BOARD, CEILING AND SUPPORT ITEMS.
  - DC-3 REMOVE EXISTING LIGHTS.
  - DC-4 REMOVE EXISTING GYPSUM WALL BOARD, CEILING AND SUPPORT ITEMS.
  - DC-5 REMOVE EXISTING RETURN GRILLES.
  - DC-6 REMOVE EXISTING WALL.
  - DC-7 REMOVE EXISTING RECESSED CAN LIGHT FIXTURES, GRID, HANGERS AND ALL SUPPORT ITEMS.
  - DC-8 CONTRACTOR SHALL REMOVE EXISTING WOODCEILING.
  - DC-9 REMOVE ALL AUDITORIUM LIGHTING FIXTURES.
  - DC-10 CONTRACTOR TO REMOVE EXISTING LIGHT FIXTURES IN THE OVERHANG, PATCH AND PAINT OVERHANG BSO THAT NO PATCH WORK IS VISIBLE.
  - DC-11 CONTRACTOR SHALL REMOVE EXISTING EIFS SOFFIT.
  - DC-12 EXISTING METAL PANEL TO REMAIN.
  - DC-13 CONTRACTOR TO REMOVE EXISTING WOOD PANELING AT FASCIA AND SOFFIT.
  - DC-14 EXISTING BEAM TO REMAIN.
  - DC-15 EXISTING SOFFIT LIGHTS AND DIFFUSERS TO REMAIN.
  - DC-16 NOT USED.
  - DC-17 CONTRACTOR SHALL REMOVE EXISTING WINDOW WALL.
  - DC-18 CONTRACTOR SHALL REMOVE EXISTING WINDOW, SLATE SILL AND METAL PANELS.
  - DC-19 EXISTING GYPSUM BOARD CEILING TO REMAIN.

**LEGEND**



**GENERAL NOTES**

1. CONTRACTOR TO COORDINATE SCOPE OF DEMOLITION AND SELECTIVE DEMOLITION WITH PLUMBING, STRUCTURAL, MECHANICAL AND ELECTRICAL WORK AS DEFINED WITHIN THESE DOCUMENTS.
2. THE LIMITS OF DEMOLITION SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EXACT AREAS AND QUANTITIES OF ELEMENTS TO BE REMOVED ARE AT THE DISCRETION OF THE MEANS AND METHODS OF THE CONTRACTOR.



JOB NAME:  
Auburn Ave Research Library  
101 Auburn Ave, Atlanta, GA

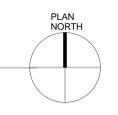
SHEET NAME:  
1ST FLOOR RCP DEMO



J. W. ROBINSON & ASSOCIATES, INC. | **FREELON, INC. JV**  
1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
PHONE: (404) 753-4129 FAX: (404) 753-4435



1 1ST FLOOR RCP - DEMO  
A-121-D 1/8" = 1'-0"

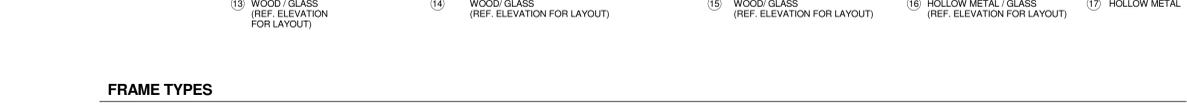
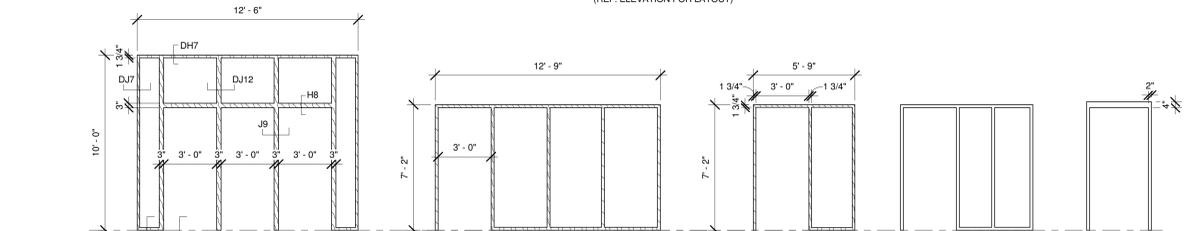
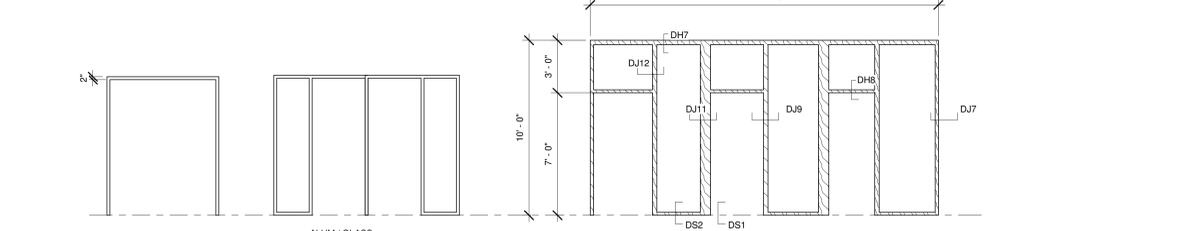
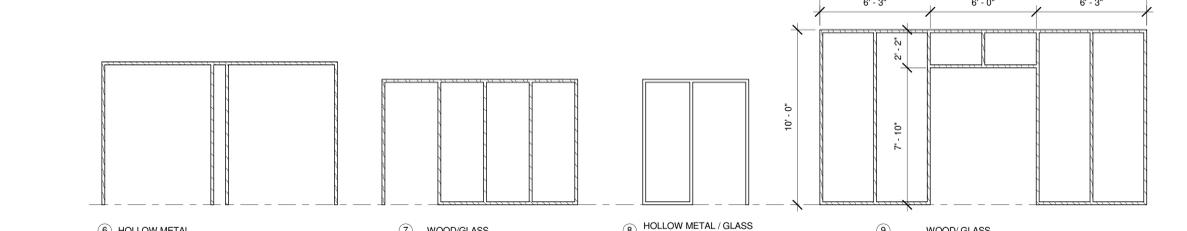
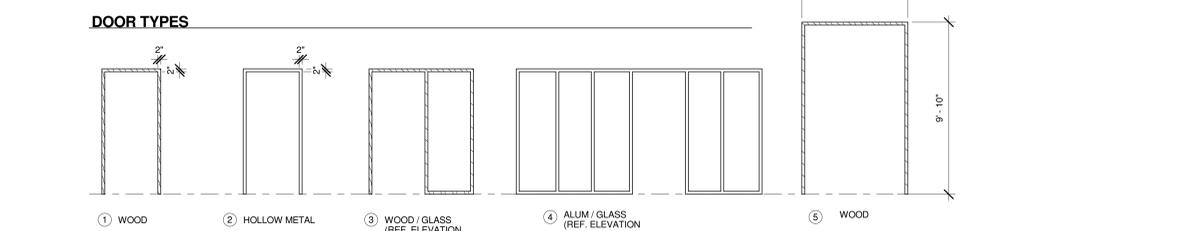
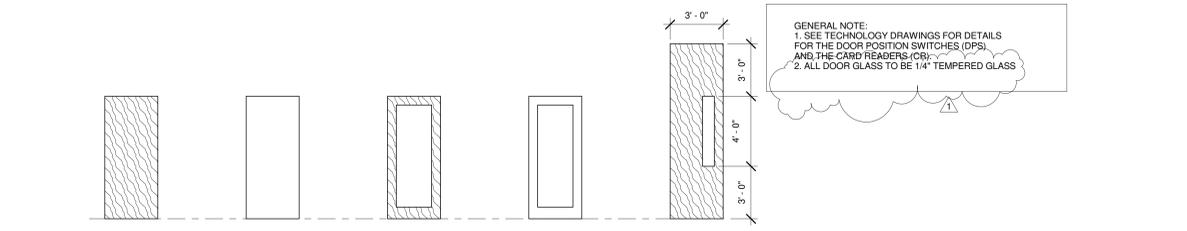


RELEASED FOR CONSTRUCTION

JOB NO.	201208/2010003.00 AARL
DRAWN: Author	CHECKED: Checker
DATE: 15 MAY 2014	REVISIONS: 1
DATE: 24 JUNE 2014	
SHEET NUMBER	A-121-D

Door Schedule - Fourth Floor															
Room Name	Mark	Level	Width	Height	Thickness	Door Type	Finish	Frame Type	Frame Material	Door Head	Door Jamb	Door Sill	Threshold	Fire Rating	Comments
SMALL CONFERENCE ROOM	401	4th Floor	3'-0"	7'-0"	0'-1 3/4"	C	WOOD	3	WOOD	DH14	DJ18	DS5			
STAFF LOUNGE	402	4th Floor	3'-0"	7'-0"	0'-1 3/4"	C	WOOD	3	WOOD	DH14	DJ18	DS12			
IDF ROOM	402.1	4th Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH3	DJ3	DS9		45 MIN.	DPS / CR
FRIEND'S OFFICE	403	4th Floor	3'-0"	7'-0"	0'-1 3/4"	C	WOOD	3	WOOD	DH14	DJ18	DS5			
STACKS	404	4th Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS12			DPS / CR
ACCLIMATION ZONE	404.1	4th Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS8			
ARCHIVES SUPPLY STORAGE	404.2	4th Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH3	DJ3	DS9		45 MIN.	
STACKS	404.3	4th Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS12			DPS / CR
COLD STORAGE	404.11	4th Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS9			
BUILDING STORAGE	405	4th Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS11			
MECHANICAL	407	4th Floor	4'-8"	7'-0"	0'-1 3/4"		EX. WOOD	-	EX. H.M.	-	-	DS11			EXISTING
TOILET	408	4th Floor	3'-0"	7'-0"	0'-1 3/4"		EX. WOOD	-	EX. H.M.	-	-	DS14			EXISTING
TOILET	409	4th Floor	3'-0"	7'-0"	0'-1 3/4"		EX. WOOD	-	EX. H.M.	-	-	DS14			EXISTING
JANITOR CLOSET	410	4th Floor	2'-8"	7'-0"	0'-1 3/4"		WOOD	2	H.M.	DH2	DJ2	DS9			
VEST.	C402	4th Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH3	DJ3	DS12		45 MIN.	
STAIR 2	ST-2.4	4th Floor	3'-0"	7'-0"	0'-1 3/4"		EX. WOOD	-	EX. H.M.	-	-	-			EXISTING
STAIR 4	ST-4.4	4th Floor	3'-0"	7'-0"	0'-1 3/4"		EX. WOOD	-	EX. H.M.	-	-	-			EXISTING

Door Schedule - Fourth Floor															
Room Name	Mark	Level	Width	Height	Thickness	Door Type	Finish	Frame Type	Frame Material	Door Head	Door Jamb	Door Sill	Threshold	Description	Comments
ELEVATOR MACHINE ROOM	501	4th Floor	3'-0"	7'-0"	0'-1 3/4"	B	H.M.	2	H.M.						



**FRAME TYPES**

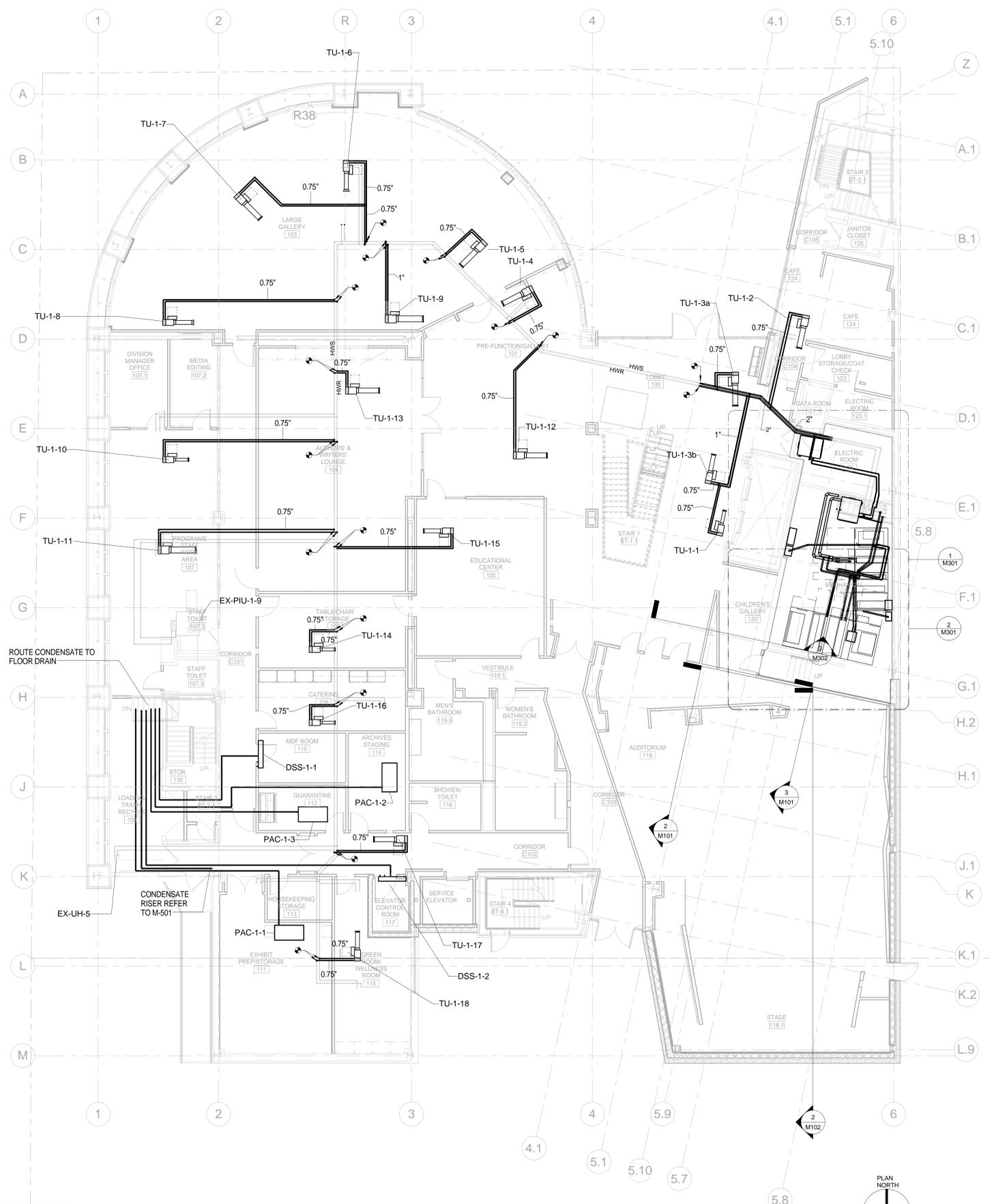
Door Schedule - First Floor															
Room Name	Mark	Level	Width	Height	Thickness	Door Type	Finish	Frame Type	Frame Material	Door Head	Door Jamb	Door Sill	Threshold	Fire Rating	Comments
LOBBY	100.1	1st Floor	7'-9 7/8"	9'-10"		D	ALUM		ALUM			DS6			DPS
LARGE GALLERY	103.1	1st Floor	6'-0"	10'-0"	0'-2"	E	WOOD	5	WOOD	DH13	DJ17	DS7			
LARGE GALLERY	103.2	1st Floor	3'-6"	9'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS12			DPS / CR,
AUTHORS & WRITERS' LOUNGE	104.1	1st Floor	6'-0"	7'-10"	0'-1 3/4"	C	WOOD	9	WOOD	DH13	DJ17	DS7			
AUTHORS & WRITERS' LOUNGE	104.2	1st Floor	3'-6"	7'-10"	0'-1 3/4"	A	WOOD	2	H.M.	DH1	DJ1	DS12			DPS / CR, 180 DEG. SWING
EDUCATIONAL CENTER	105.1	1st Floor	3'-0"	7'-10"	0'-1 3/4"	C	WOOD	3	WOOD	DH13	DJ17	DS7			
EDUCATIONAL CENTER	105.2	1st Floor	3'-6"	7'-10"	0'-1 3/4"	A	WOOD	2	H.M.	DH3	DJ3	DS11		45 MIN.	CR
VESTIBULE	105.3	1st Floor	3'-0"	7'-10"	0'-1 3/4"	A	WOOD	1	WOOD	DH3	DJ3	DS7		45 MIN.	
TABLE/CHAIR STORAGE	106	1st Floor	3'-6"	7'-10"	0'-1 3/4"	A	WOOD	2	H.M.	DH3	DJ3	DS9		45 MIN.	
PROGRAMS STAFF WORK AREA	107	1st Floor	2'-4"	7'-0"	0'-2"	-	EX. WOOD	-	EX. H.M.	-	-	-			EXISTING
DIVISION MANAGER OFFICE	107.1	1st Floor	3'-0"	7'-0"	0'-1 3/4"	C	WOOD	3	WOOD	DH2	DJ2	DS5			
MEDIA EDITING	107.2	1st Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS5			
STAFF TOILET	107.3	1st Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS14			
CATERING	108	1st Floor	3'-0"	7'-10"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS15			
LOADING/ TRASH/ RECYCLE	109.1	1st Floor	3'-0"	7'-0"	0'-1 3/4"	-	EX. H.M.	-	EX. H.M.	-	-	DS9			EXISTING
LOADING/ TRASH/ RECYCLE	109.2	1st Floor	6'-6"	8'-0"	0'-1 3/4"	-	EX. METAL	-	EX. METAL	-	-	-			EXISTING ROLL-UP DOOR
MDF ROOM	110	1st Floor	3'-0"	7'-10"	0'-1 3/4"	A	WOOD	2	H.M.	DH3	DJ3	DS9			
EXHIBIT PREP/STORAGE	111	1st Floor	6'-0"	9'-0"	0'-1 3/4"	A	WOOD	10	H.M.	DH3	DJ3	DS8		45 MIN.	
QUARANTINE	112	1st Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DJ3	DJ3	DS9			DPS / CR
HOUSEKEEPING STORAGE	113	1st Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH3	DJ3	DS9		45 MIN.	
ARCHIVES STAGING	114	1st Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DJ2	DJ2	DS9			DPS / CR
GREEN ROOM/ WELLNESS ROOM	115	1st Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS12			DPS / CR
SHOWER/ TOILET	116	1st Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS15			
ELEVATOR CONTROL ROOM	117	1st Floor	3'-6"	7'-0"	0'-1 3/4"	B	H.M.	2	H.M.	DH11	DJ15	DS9			
AUDITORIUM	118.1	1st Floor	3'-0"	7'-10"	0'-1 3/4"	C	WOOD	2	H.M.	DH3	DJ3	DS7		45 MIN.	
AUDITORIUM	118.2	1st Floor	3'-0"	7'-10"	0'-1 3/4"	C	WOOD	2	H.M.	DH3	DJ3	DS7		45 MIN.	
AUDITORIUM	118.3	1st Floor	3'-0"	7'-0"	0'-1 3/4"	B	H.M.	17	H.M.	DH9/DH10	DJ13/DJ20	DS3			
AUDITORIUM	118.4	1st Floor	3'-0"	7'-10"	0'-1 3/4"	C	WOOD	2	H.M.	DH3	DJ3	DS7		45 MIN.	DPS
WOMEN'S BATHROOM	119.2	1st Floor	3'-0"	7'-10"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DJ1			
MEN'S BATHROOM	119.3	1st Floor	3'-0"	7'-10"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DJ1			
ELECTRIC ROOM	121	1st Floor	4'-8"	7'-0"	0'-1 3/4"		EX. H.M.	-	EX. H.M.	-	-	DS4			EXISTING
DATA ROOM	121.1	1st Floor	3'-0"	7'-0"	0'-1 3/4"	B	H.M.	2	H.M.	DH3	DJ3	DS4		45 MIN.	
MECHANICAL	122.1	1st Floor	3'-0"	7'-0"	0'-1 3/4"		EX. H.M.	-	EX. H.M.	-	-	-			EXISTING
MECHANICAL	122.2	1st Floor	3'-0"	7'-0"	0'-1 3/4"	B	H.M.	2	H.M.	DH3	DJ3	DS4		45 MIN.	
LOBBY STORAGE/COAT CHECK	123	1st Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS8			
ELECTRIC ROOM	123.1	1st Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH3	DJ3	DS8		90 MIN.	
JANITOR CLOSET	125	1st Floor	3'-0"	7'-0"	0'-1 3/4"	-	EX. WOOD	-	EX. H.M.	-	-	DS15			EXISTING
STOR.	130	1st Floor	3'-0"	7'-0"	0'-1 3/4"	-	EX. WOOD	-	EX. H.M.	-	-	-			EXISTING
CORRIDOR	C101.1	1st Floor	3'-8"	7'-0"	0'-1 3/4"	-	EX. H.M.	-	EX. H.M.	-	-	-			EXISTING
CORRIDOR	C101.2	1st Floor	3'-6"	9'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH3	DJ3	DS8		45 MIN.	
CORRIDOR	C102.1	1st Floor	3'-0"	7'-10"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS16			DPS / CR
CORRIDOR	C102.2	1st Floor	6'-0"	8'-0"	0'-1 3/4"	A	WOOD	10	H.M.	DH3	DJ3	DS8		45 MIN.	
LOBBY	C103.1	1st Floor	6'-0"	9'-10"	0'-1 3/4"	A	WOOD	10	H.M.	DH2	DJ2	DS10			TOTAL DOOR
CORRIDOR	C103.2	1st Floor	6'-0 1/2"	7'-10"		D	ALUM	4	ALUM			DS6			DPS
CORRIDOR	C104	1st Floor	3'-0"	7'-0"	0'-1 3/4"	-	EX. WOOD	-	EX. H.M.	-	-	DS16			EXISTING
STAIR 2	ST-2.1.1	1st Floor	3'-0"	7'-0"	0'-1 3/4"	-	EX. WOOD	-	EX. H.M.	-	-	DS9			EXISTING
STAIR 2	ST-2.1.2	1st Floor Front Stair	3'-0"	7'-0"	0'-1 3/4"	-	EX. H.M.	-	EX. H.M.	-	-	-			EXISTING
STAIR 3	ST-3.1.1	1st Floor	3'-0"	7'-0"	0'-1 3/4"	-	EX. H.M.	-	EX. H.M.	-	-	-			EXISTING
STAIR 3	ST-3.1.2	1st Floor	3'-0"	7'-0"	0'-1 3/4"	B	H.M.	2	H.M.	DH3	DJ3	DS9		90 MIN.	
STAIR 4	ST-4.1	1st Floor	3'-0"	7'-0"	0'-1 3/4"	B	H.M.	17	H.M.	HD15	DJ19	DS6			

Door Schedule - Second Floor															
Room Name	Mark	Level	Width	Height	Thickness	Door Type	Finish	Frame Type	Frame Material	Door Head	Door Jamb	Door Sill	Threshold	Fire Rating	Comments
LOBBY	200.1	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	C	WD/GL	13	WOOD	DH8	DJ9	DS5			
LOBBY	200.2	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	C	WD/GL	13	WOOD	DH8	DJ9	DS5			
LOBBY	200.3	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	C	WD/GL	13	WOOD	DH8	DJ9	DS5			
A/V VIEWING	201.1	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	C	WD/GL	12	WOOD	DH8	DJ8	DS5			
STUDY ROOM	201.2	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	C	WD/GL	12	WOOD	DH8	DJ8	DS5			
STUDY ROOM	201.3	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	C	WD/GL	12	WOOD	DH8	DJ8	DS5			
REFERENCE & RESEARCH STAFF WORK AREA	202	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH1	DJ1	DS5			DPS / CR
DIVISION MANAGER OFFICE	202.1	2nd Floor	3'-0"	7'-10"	0'-1 3/4"	A	WOOD	16	H.M.	DH2	DJ8	DS5			
CATALOGING/ PROCESSING	203	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	-	EX. WOOD	-	H.M.	-	-	DS12			EXISTING DOOR-DPS / CR
STAFF TOILET	203.1	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS14			
DIVISION MANAGER OFFICE	203.2	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS5			
STACKS	204	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS12			
IDF ROOM	204.1	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH11	DJ15	DS9		45 MIN.	DPS / CR
SMALL GALLERY	205	2nd Floor	3'-0"	7'-10"	0'-1 3/4"	A	WOOD	3	WOOD	DH4	DJ8	DS5			
STACKS	205.1	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	WOOD	DH6	DJ6	DS12			DPS / CR
AUDITORIUM BALCONY	206	2nd Floor	6'-0"	7'-10"	0'-1 3/4"	A	WOOD	2	H.M.	DH5	DJ5	DS5		45 MIN.	
MECHANICAL	207	2nd Floor	4'-8"	7'-0"	0'-1 3/4"	-	EX. H.M.	-	EX. H.M.	-	-	DS11			EXISTING DOOR
MECHANICAL	207.1	2nd Floor	3'-0"	7'-9"	0'-1 3/4"	A	WOOD	10	H.M.	DH4	DJ4	DS11		90 MIN.	
TOILET	208	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	-	EX. WOOD	-	EX. H.M.	-	-	DS14			EXISTING DOOR
TOILET	209	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	-	EX. WOOD	-	EX. H.M.	-	-	DS15			EXISTING DOOR
JANITOR CLOSET	210	2nd Floor	2'-8"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS9			EXISTING DOOR
CORRIDOR	C201	2nd Floor	3'-0"	7'-0"	0'-1 3/4"	A	WOOD	2	H.M.	DH2	DJ2	DS12			
CORRIDOR	C202	2nd Floor	3'-0"	7'-0"	0'-1 3/4										



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

A B C D E F G H I J K L M N



1 MECHANICAL PIPING FIRST FLOOR PLAN  
1/8" = 1'-0"



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MECHANICAL PIPING FIRST FLOOR PLAN

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TERMINAL UNIT SCHEDULE							SOUND POWER LEVEL, dB (NOTE 4)								
NO.	TYPE (NOTE 1)	PRIMARY CFM		HOT WATER COIL			OCTAVE BAND								
		MAXIMUM	MINIMUM	CAPACITY MBH (NOTE 2)	GPM (NOTE 3)	PIPE RUNOUT SIZES, IN.	CASING RADIATED			DISCHARGE					
							2	3	4	2	3	4			
TU-1-1	VV-R	350	225	8.1	0.8	0.75									
TU-1-2	VV-R	1100	340	19.6	2.0	0.75									
TU-1-3a	VV-R	815	625	32.3	3.2	0.75									
TU-1-3b	VV-R	550	550	19.8	2.0	0.75									
TU-1-4	VV-R	410	205	12.5	1.3	0.75									
TU-1-5	VV-R	1500	330	16.9	1.7	0.75									
TU-1-6	VV-R	510	190	9.9	1.0	0.75									
TU-1-7	VV-R	1060	325	16.8	1.7	0.75									
TU-1-8	VV-R	645	200	10	1.0	0.75									
TU-1-9	VV-R	1240	920	33.1	3.3	0.75									
TU-1-10	VV-R	425	130	6.6	0.7	0.75									
TU-1-11	VV-R	1590	490	24.5	2.5	0.75									
TU-1-12	VV-R	935	710	25.6	2.6	0.75									
TU-1-13	VV-R	1070	705	25.4	2.5	0.75									
TU-1-14	VV-R	200	200	6.9	0.7	0.75									
TU-1-15	VV-R	520	350	12.7	1.3	0.75									
TU-1-16	VV-R	575	170	6.2	0.6	0.75									
TU-1-17	VV-R	570	215	9.2	0.9	0.75									
TU-1-18	VV-R	375	100	11.7	1.2	0.75									
TU-2-1	VV-R	385	115	8.6	0.9	0.75									
TU-2-2	VV-R	475	290	14.8	1.5	0.75									
TU-2-3	VV-R	300	300	10.2	1.0	0.75									
TU-2-4	VV-R	1335	1270	44.4	4.4	1									
TU-2-5	VV-R	985	300	15.5	1.6	0.75									
TU-2-6	VV-R	135	55	3.5	0.4	0.75									
TU-2-7	VV-R	885	270	14.2	1.4	0.75									
TU-2-8	VV-R	365	365	12.7	1.3	0.75									
TU-2-9	VV-R	365	365	6.7	0.7	0.75									
TU-2-10	VV-R	1615	485	24.9	2.5	1									
TU-2-11	VV-R	320	100	5.3	0.5	0.75									
TU-2-12	VV-R	545	545	19	1.9	0.75									
TU-2-13	VV-R	435	150	7.7	0.8	0.75									

**NOTES:**

- TYPE: VV VARIABLE VOLUME - R REHEAT
- CAPACITY BASED ON 55°F EAT FOR VV-R UNITS.
- HOT WATER BASED ON 140°F EWT AND MAXIMUM 3" WPD.
- SOUND POWER LEVELS IN dB re 10 pW, UNLESS AS SCHEDULED, SHALL BE WITHIN THE AHRI 880-2011 ADDENDUM 1 TOLERANCES OF THE FOLLOWING LEVELS:

	OCTAVE BAND		
	2	3	4
CASING RADIATED	65	60	56
DISCHARGE			
LESS THAN 1100 CFM	65	61	57
1100 CFM OR MORE	68	63	61
- LEVELS BASED ON MAXIMUM PRIMARY CFM AND MINIMUM DIFFERENTIAL STATIC PRESSURE OF 1" WG FOR VV AND CV UNITS, AND FAN CFM FOR FPS AND FPP UNITS. PROVIDE SOUND ATTENUATORS ON DISCHARGE AND PLENUM RETURN AIR TO MEET THE SPECIFIED SOUND POWER LEVELS. FOR UNITS SERVING SOUND SENSITIVE ROOMS, FIBERGLASS SHALL BE ENCASED IN TEDLAR OR REINFORCED FOIL.
- DIFFERENTIAL STATIC PRESSURE DROP ACROSS COMPLETE ASSEMBLY, INCLUDING HEATING COIL, FOR ALL UNITS SHALL NOT EXCEED 0.3" WG APD.
- SELECT FAN-POWERED UNITS FOR SCHEDULED CAPACITY AT MEDIUM SPEED AND 0.25" WG EXTERNAL STATIC PRESSURE.
- REFER TO THE ELECTRICAL DRAWINGS FOR THE EQUIPMENT ELECTRICAL CHARACTERISTICS.
- THE DRAWINGS INDICATE THE DESIGN INTENT TO PROVIDE ACCESS TO HEATING COILS, CONTROL PANELS, AND ACCESS DOORS. IF TERMINAL UNITS PROVIDED ARE CONFIGURED DIFFERENTLY, THE ACCESS REQUIREMENTS SHALL BE ADJUSTED IN THE FIELD.

TERMINAL UNIT SCHEDULE							SOUND POWER LEVEL, dB (NOTE 4)								
NO.	TYPE (NOTE 1)	PRIMARY CFM		HOT WATER COIL			OCTAVE BAND								
		MAXIMUM	MINIMUM	CAPACITY MBH (NOTE 2)	GPM (NOTE 3)	PIPE RUNOUT SIZES, IN.	CASING RADIATED			DISCHARGE					
							2	3	4	2	3	4			
TU-3-1	VV-R	400	125	9	0.9	0.75									
TU-3-2	VV-R	500	295	15.3	1.5	0.75									
TU-3-3	VV-R	320	320	10.7	1.1	0.75									
TU-3-4	VV-R	680	615	21.1	2.1	0.75									
TU-3-5	VV-R	1255	385	20	2.0	0.75									
TU-3-6	VV-R	145	55	3.7	0.4	0.75									
TU-3-7	VV-R	545	250	12.9	1.3	0.75									
TU-3-8	VV-R	385	385	13.2	1.3	0.75									
TU-3-9	VV-R	515	155	8	0.8	0.75									
TU-3-10	VV-R	240	95	3.1	0.3	0.75									
TU-3-11	VV-R	390	120	6.4	0.6	0.75									
TU-3-12	VV-R	410	125	6.6	0.7	0.75									
TU-3-13	VV-R	470	175	6	0.6	0.75									
TU-3-14	VV-R	550	165	8.6	0.9	0.75									
TU-4-1	VV-R	400	125	9.8	1.0	0.75									
TU-4-2	VV-R	305	140	7.8	0.8	0.75	60	52	45	62	55	50			
TU-4-3	VV-R	1020	365	16.7	1.7	0.75									
TU-4-4	VV-R	660	330	18.4	1.8	0.75									
TU-4-5	VV-R	350	135	10.8	1.1	0.75									

UNIT HEATER SCHEDULE						
NO.	AREA SERVED	TYPE (NOTE 1)	CAPACITY, KW (NOTE 2)	NOMINAL CFM	MOUNTING HEIGHT, FEET (NOTE 4)	NOTES
UH-1-1	LOBBY	C	5	450	12	3,5
UH-1-2	CORRIDOR	W	5	450	1.5	3,5

**NOTES:**

- TYPE: C CEILING RECESSED W WALL SURFACE
- KW GIVEN FOR UNITS. BASED ON 40°F TEMPERATURE DIFFERENCE.
- REFER TO THE ELECTRICAL DRAWINGS FOR THE EQUIPMENT ELECTRICAL CHARACTERISTICS.
- HEIGHT IS TO BOTTOM OF UNIT.
- PROVIDE INTEGRAL DISCONNECT SWITCH.



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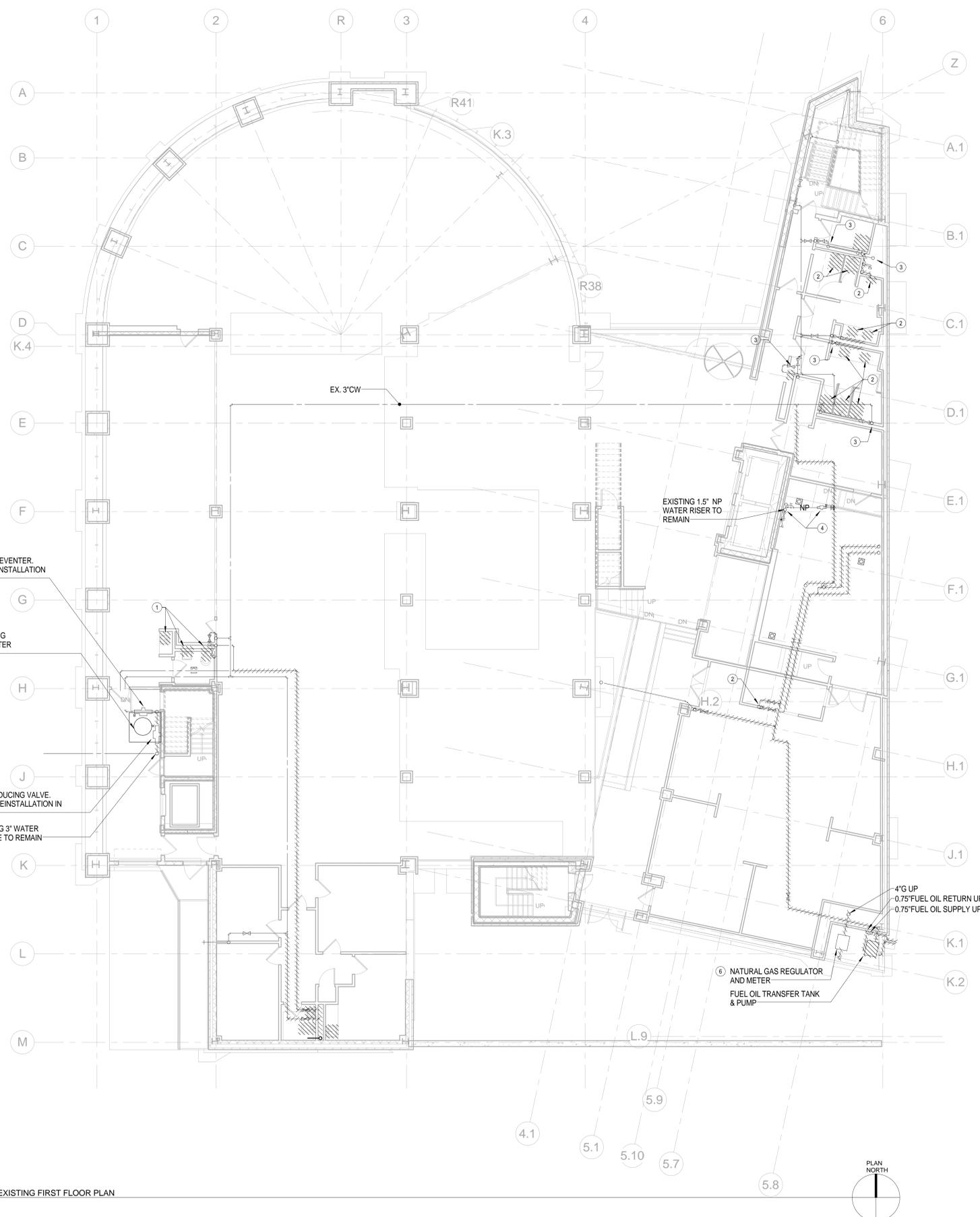
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1 PLUMBING PRESSURE EXISTING FIRST FLOOR PLAN  
1/8" = 1'-0"

- KEYNOTES:**
- 1 REMOVE EXISTING PLUMBING FIXTURES AND TRIM. PROTECT EXISTING PIPING TO MAXIMUM EXTENT POSSIBLE FOR REUSE IN NEW WORK.
  - 2 REMOVE EXISTING PLUMBING FIXTURES & TRIM. REMOVE ASSOCIATED PIPING AS SHOWN.
  - 3 EXISTING COLD OR HOT WATER SUPPLY RISERS TO REMAIN.
  - 4 EXISTING BACKFLOW PREVENTER AND NON-POTABLE COLD WATER SUPPLY RISER TO REMAIN. BRANCHES FOR CONNECTION TO MECHANICAL EQUIPMENT SHALL BE CAPPED FOR FUTURE CONNECTION.
  - 5 REPLACE ALL VALVES IN EXISTING DOMESTIC WATER PIPING THAT IS NOT DEMOLISHED.
  - 6 COORDINATE WITH GAS PURVEYOR TO REMOVE EXISTING GAS METER AND REGULATOR. SEE NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.



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PLUMBING PRESSURE FIRST FLOOR  
PLAN - DEMOLITION



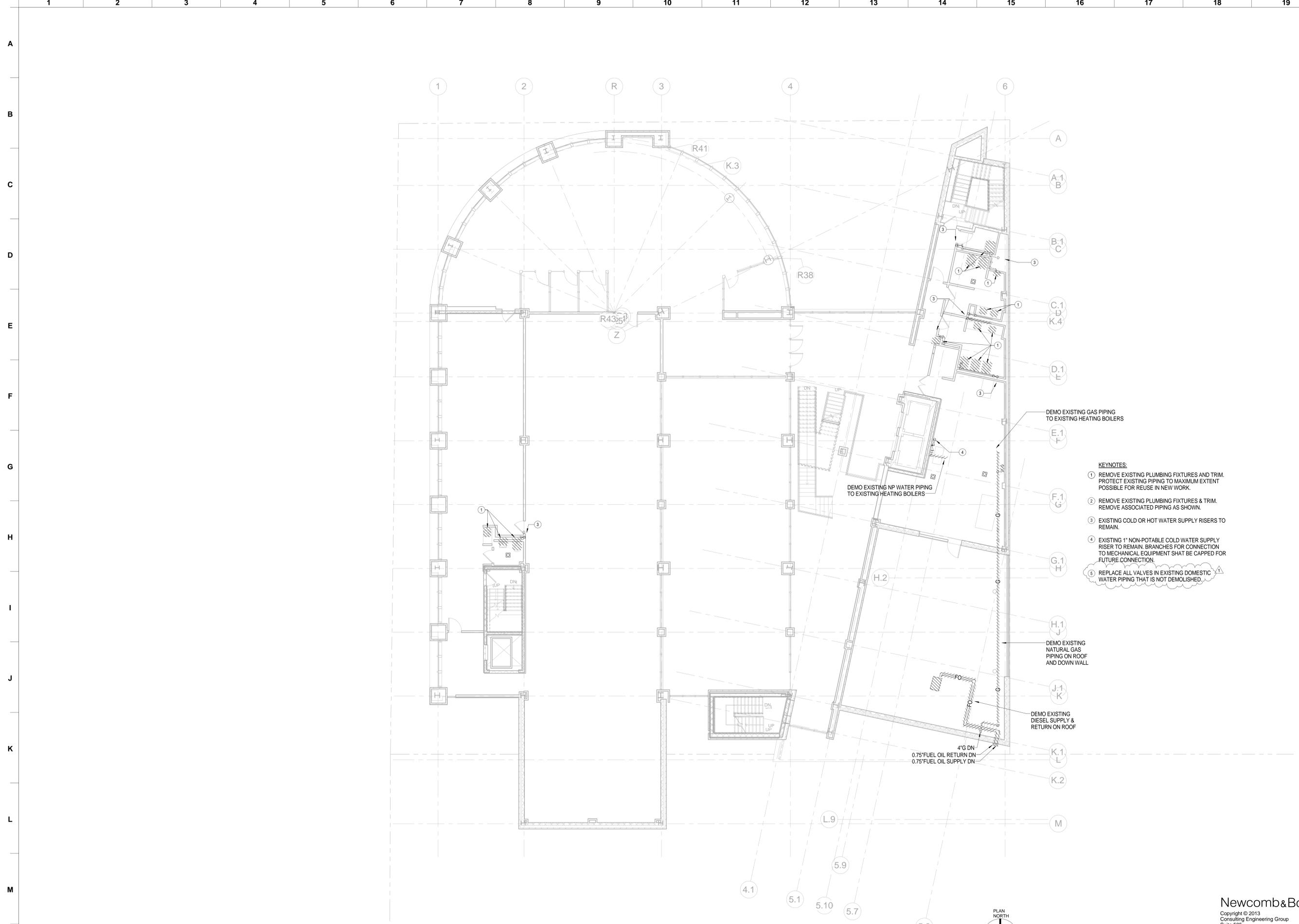
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1 PLUMBING PRESSURE EXISTING SECOND FLOOR PLAN  
1/8" = 1'-0"

- KEYNOTES:**
- 1 REMOVE EXISTING PLUMBING FIXTURES AND TRIM. PROTECT EXISTING PIPING TO MAXIMUM EXTENT POSSIBLE FOR REUSE IN NEW WORK.
  - 2 REMOVE EXISTING PLUMBING FIXTURES & TRIM. REMOVE ASSOCIATED PIPING AS SHOWN.
  - 3 EXISTING COLD OR HOT WATER SUPPLY RISERS TO REMAIN.
  - 4 EXISTING 1" NON-POTABLE COLD WATER SUPPLY RISER TO REMAIN. BRANCHES FOR CONNECTION TO MECHANICAL EQUIPMENT SHAT BE CAPPED FOR FUTURE CONNECTION.
  - 5 REPLACE ALL VALVES IN EXISTING DOMESTIC WATER PIPING THAT IS NOT DEMOLISHED.



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FLOOR PLAN - DEMOLITION



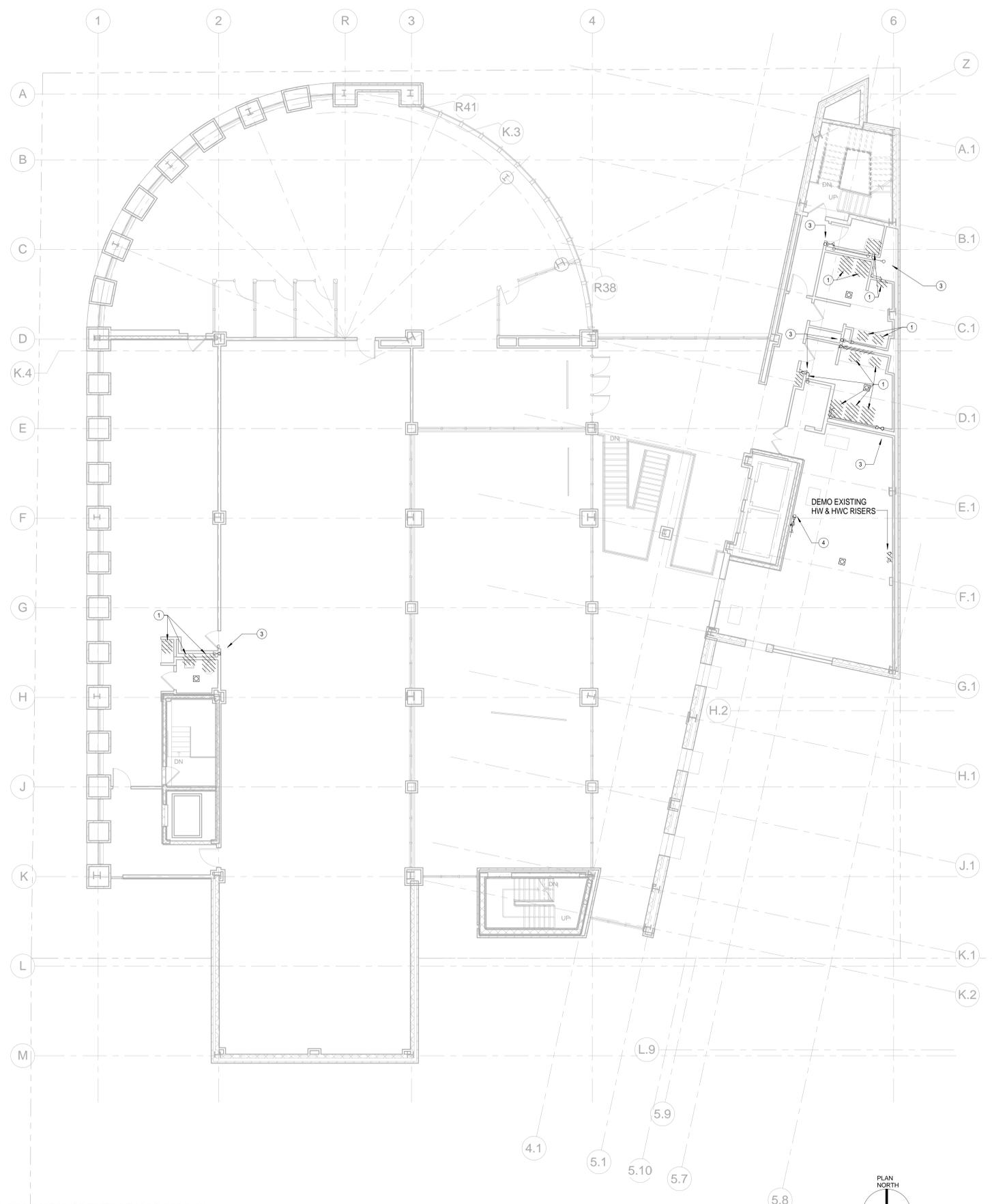
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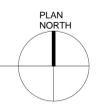
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- KEYNOTES:**
- 1 REMOVE EXISTING PLUMBING FIXTURES AND TRIM. PROTECT EXISTING PIPING TO MAXIMUM EXTENT POSSIBLE FOR REUSE IN NEW WORK.
  - 2 REMOVE EXISTING PLUMBING FIXTURES & TRIM. REMOVE ASSOCIATED PIPING AS SHOWN.
  - 3 EXISTING COLD OR HOT WATER SUPPLY RISERS TO REMAIN.
  - 4 EXISTING 1" NON-POTABLE COLD WATER SUPPLY RISER TO REMAIN. BRANCHES FOR CONNECTION TO MECHANICAL EQUIPMENT SHALL BE CAPPED FOR FUTURE CONNECTION.
  - 5 REPLACE ALL VALVES IN EXISTING DOMESTIC WATER PIPING THAT IS NOT DEMOLISHED.

1 PLUMBING PRESSURE EXISTING THIRD FLOOR PLAN  
1/8" = 1'-0"



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PLAN - DEMOLITION

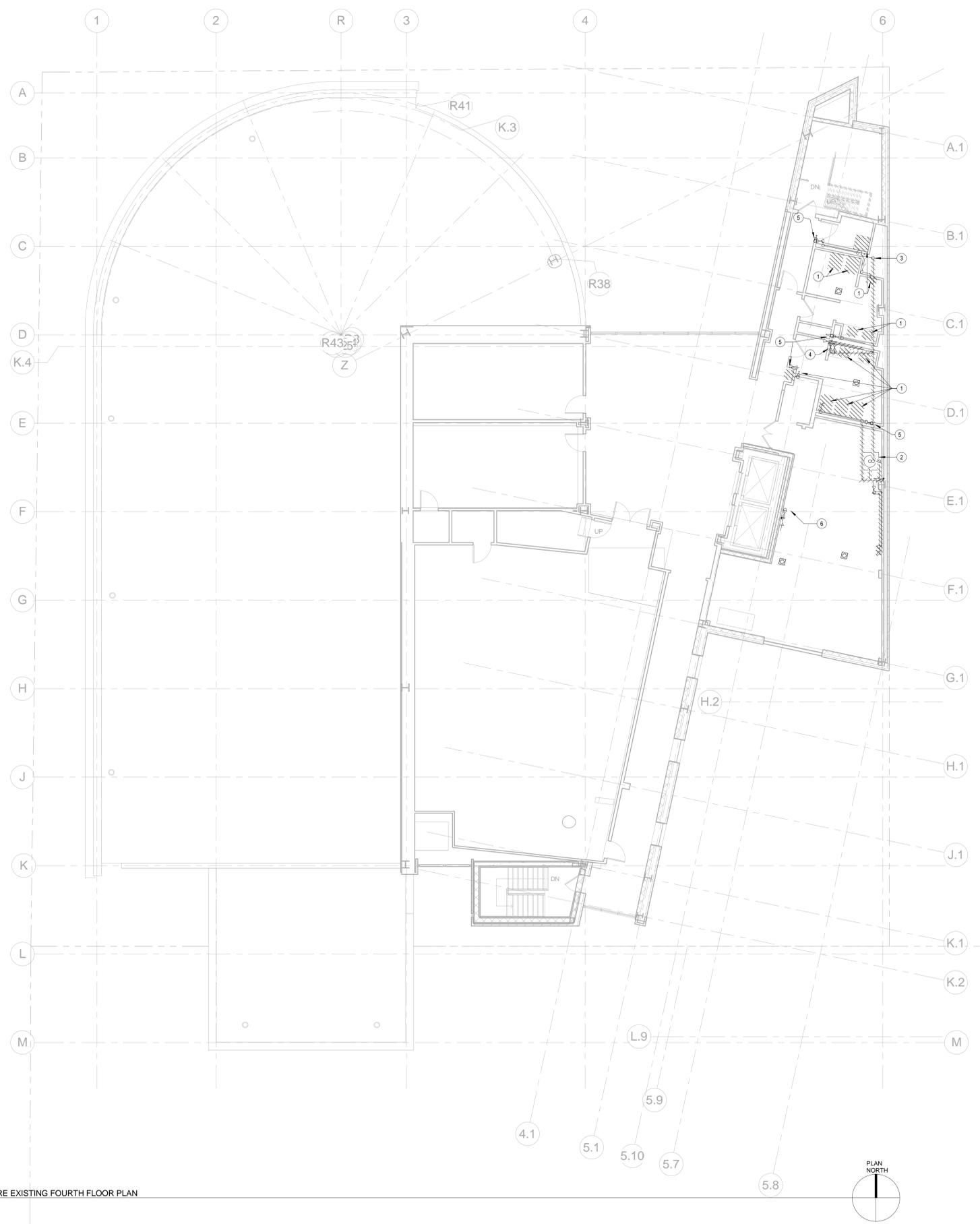
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1 PLUMBING PRESSURE EXISTING FOURTH FLOOR PLAN  
1/8" = 1'-0"

- KEYNOTES:**
- 1 REMOVE EXISTING PLUMBING FIXTURES AND TRIM. PROTECT EXISTING PIPING TO MAXIMUM EXTENT POSSIBLE FOR REUSE IN NEW WORK.
  - 2 REMOVE EXISTING WATER HEATER, CIRCULATING PUMP, AND HW RISER CONNECTIONS.
  - 3 EXISTING HW RISER TO REMAIN.
  - 4 CAP HW RISER ABV CLG CAP HW PIPING @ REMOVED FIXTURES WHERE ACCESSIBLE.
  - 5 EXISTING COLD WATER SUPPLY RISERS TO REMAIN.
  - 6 EXISTING 1" NON-POTABLE COLD WATER SUPPLY RISER TO REMAIN. BRANCHES FOR CONNECTION TO MECHANICAL EQUIPMENT SHALL BE CAPPED FOR FUTURE CONNECTION.
  - 7 REPLACE ALL VALVESW IN EXISTING DOMESTIC WATER PIPING THAT IS NOT DEMOLISHED.



JOB NAME:  
Auburn Ave Research Library  
101 Auburn Ave, Atlanta, GA

SHEET NAME:  
PLUMBING PRESSURE FOURTH  
FLOOR PLAN - DEMOLITION



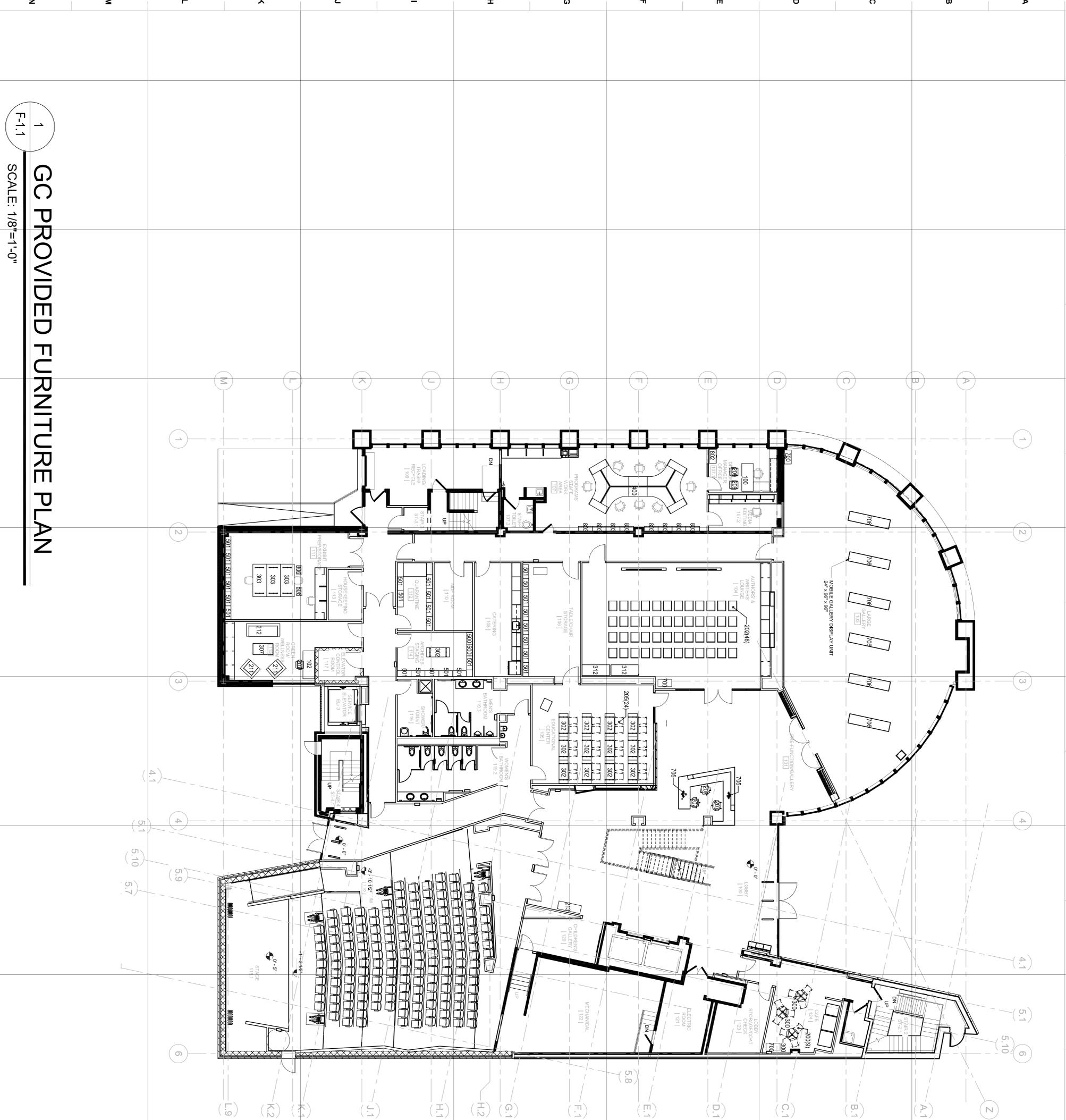
J. W. ROBINSON & ASSOCIATES, INC. | **FREELON, INC. - JV**  
1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
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JOB NO.	201208/2010003.00 AARL
DRAWN: DMC	CHECKED: JBV
DATE: 15 MAY 2014	REVISIONS: 1
DATE: 06/24/2014	
SHEET NUMBER	
P204D	

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N&B PROJECT: 12N115.PRJ

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1  
F-1.1

# GC PROVIDED FURNITURE PLAN

SCALE: 1/8"=1'-0"

FOR INFORMATION ONLY

JOB NO.	201208/2010003.00	AARL
DRAWN:	CM	CHECKED: LS
DATE:	05.13.14	100% Construction Documents
DATE:	06.24.14	REVISIONS:
		TYPICAL NOTES



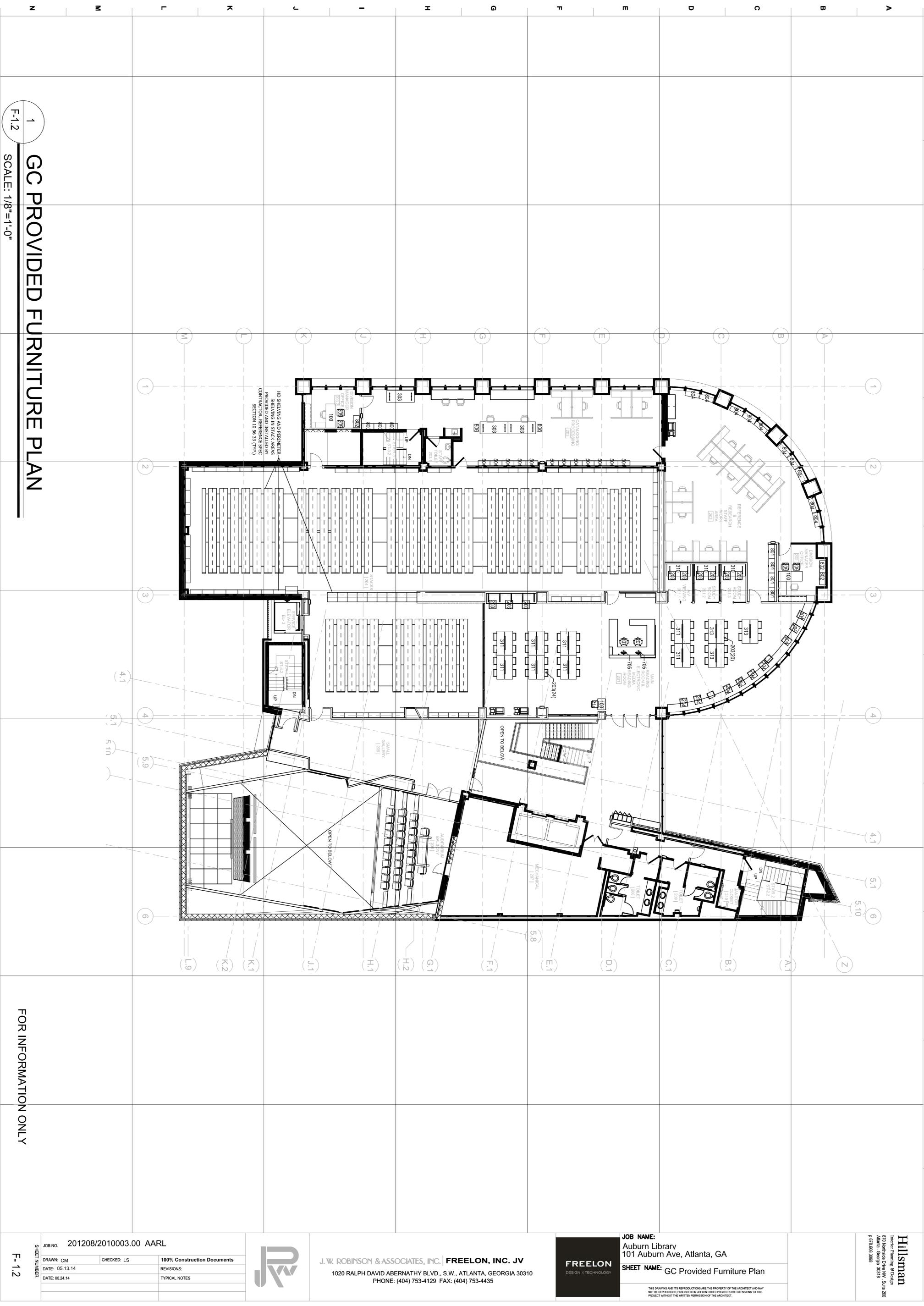
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**JOB NAME:**  
 Auburn Library  
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**SHEET NAME:** GC Provided Furniture Plan

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**Hillsman**  
 Interior Framing & Design  
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 Atlanta, Georgia 30318  
 404.526.2098  
 P.0715003.0009



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F-1.2  
**GC PROVIDED FURNITURE PLAN**  
SCALE: 1/8"=1'-0"

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DATE: 06.24.14	
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REVISIONS:	
TYPICAL NOTES	



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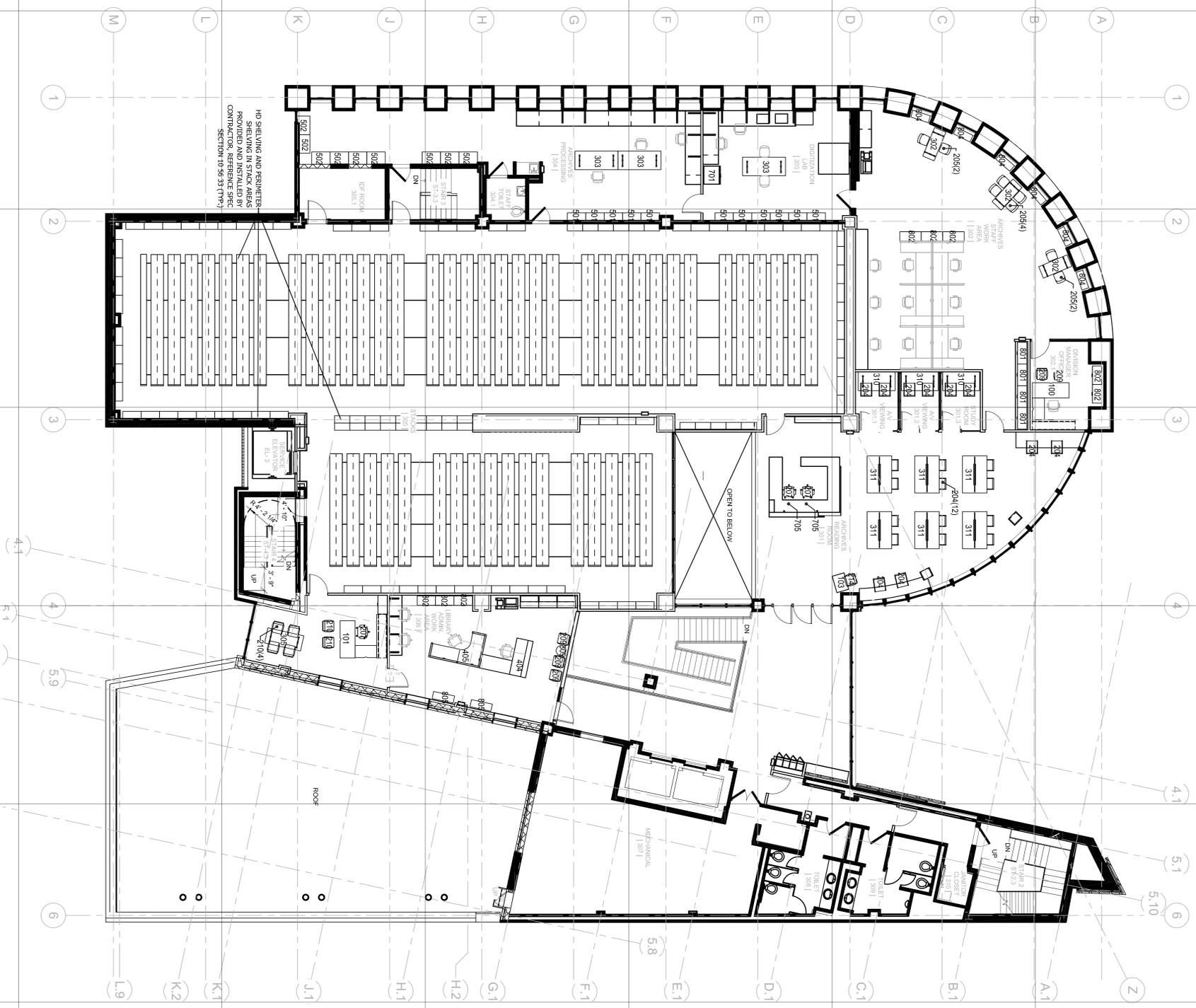


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1  
**GC PROVIDED FURNITURE PLAN**  
 SCALE: 1/8"=1'-0"



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DATE: 06.24.14		TYPICAL NOTES



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A B C D E F G H I J K L M N

1.00 GENERAL STRUCTURAL NOTES

1.01 DUTIES AND RESPONSIBILITIES
NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ENGINEER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS OR EMPLOYEES ANY DUTY OF AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
1.02 CODE AND STANDARDS REFERENCES
REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
1.03 CONTRACT DOCUMENT CONFLICTS
1. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OR PRACTICE OR SPECIFICATION OF A.C.I., P.C.I., A.I.S.C., S.J.I OR OTHER STANDARDS, WHERE A CONFLICT OCCURS WITH IN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
2. IN THE EVENT OF CONFLICTS AMONG THE VARIOUS PARTS OF THE STRUCTURAL CONTRACT DOCUMENTS, STRUCTURAL DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
1.04 CONTRACT DOCUMENT CONTENT
CONTRACT DOCUMENTS DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
1.05 CONTRACTOR COORDINATION
1. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION. COORDINATION SHALL INCLUDE, BUT NOT LIMITED TO, EDGE OF SLAB DIMENSIONS, OPENING LOCATIONS AND DIMENSIONS, DERESSED SLAB LOCATIONS AND EXTENTS, SLAB SLOPES, CURB LOCATIONS, CMU WALL LOCATIONS, EXISTING DIMENSIONS, AND ELEVATIONS. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.
2. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASSES, HANGERS, INSERTS, ANCHORS, HOLES AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
3. CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED MECHANICAL EQUIPMENT WEIGHTS, OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
4. CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY.
5. RENOVATION OF EXISTING STRUCTURES REQUIRES THOROUGH COORDINATION OF THE CONTRACT DOCUMENTS WITH EXISTING CONDITIONS. THE CONTRACTOR MUST VERIFY ALL RELEVANT EXISTING CONDITIONS, DIMENSIONS, AND DETAILS PRIOR TO BEGINNING CONSTRUCTION. REPORT ANY DEVIATIONS FROM CONDITIONS OR DIMENSIONS SHOWN ON THE CONTRACT DOCUMENTS TO THE DESIGN PROFESSIONAL FOR REVIEW OF THE DESIGN AND POSSIBLE REVISION OF THE CONTRACT DOCUMENTS.
6. THE NATURE OF STRUCTURAL DEMOLITION AND STABILIZATION IS INHERENTLY UNCERTAIN. THE EXACT CONDITION AND CAPACITY OF EACH STRUCTURAL ELEMENT CANNOT BE VERIFIED PRIOR TO THE COMMENCEMENT OF WORK. AS A RESULT, IT IS IMPERATIVE TO REPORT ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS, AS WELL AS ANY ELEMENT OF QUESTIONABLE STRUCTURAL INTEGRITY IMMEDIATELY TO THE DESIGN PROFESSIONAL OF RECORD FOR REVIEWS.
7. NO ATTEMPT HAS BEEN MADE TO DEFINE EACH SPECIFIC STRUCTURAL ELEMENT THAT MUST BE REMOVED, ENHANCED, OR REPLACED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE CONDITION OF INDIVIDUAL STRUCTURAL ELEMENTS TO DETERMINE WHICH ELEMENTS CAN BE SALVAGED, WHICH ELEMENTS MUST BE REPLACED, AND WHICH ELEMENTS ARE QUESTIONABLE. THE CONTRACTOR SHOULD CONSULT WITH THE DESIGN PROFESSIONAL OF RECORD TO DETERMINE THE APPROPRIATE PROCEDURE FOR HANDLING ELEMENTS IN QUESTIONABLE CONDITION.
1.06 MEANS AND METHODS
THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, AND SEQUENCES AS WELL AS COMPLIANCE WITH ALL OSHA SAFETY PRECAUTIONS AND REGULATIONS, AND PROCEDURES OF CONSTRUCTION DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
1.07 MATERIALS
ALL MATERIALS, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE AND SPECIFICATIONS.
1.08 TEMPORARY GUYING AND BRACING
THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
1.09 CONSTRUCTION LOADS
LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LINE LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE 'DESIGN CRITERIA NOTES'. DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS PROPERLY CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.
1.10 TYPICAL DETAILS
DRAWINGS INDICATE TYPICAL DETAILS OF CONSTRUCTION. THESE DETAILS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE PLANS CAN BE DETERMINED BY THE TITLE OF THE DETAIL. SUCH DETAILS APPLY WHETHER OR NOT THEY ARE KEYPED IN AT EACH LOCATION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION MAY BE USED, SUBJECT TO APPROVAL BY THE ENGINEER. DECISIONS REGARDING THE APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ENGINEER. CONTRACTOR SHALL CONSIDER ALL OF THE CONTRACT DOCUMENTS IN DETERMINING SIMILAR AND LIKE CONDITIONS.
1.11 STAIRS AND HANDRAILS
STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, HANDRAILS, CURTAIN WALL/WINDOW WALL SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY OTHERS AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
1.12 STRUCTURAL SYSTEMS ERECTION
ALL STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH THE SUPPLIER'S INSTRUCTIONS AND REQUIREMENTS.
1.13 SPECIAL INSPECTIONS
IN THE CASE OF NECESSARY SPECIAL INSPECTIONS, THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR AT LEAST 48 HOURS IN ADVANCE FOR WORK THAT WILL REQUIRE INSPECTION OR TESTING.
1.14 DEMOLISHING
UNLESS OTHERWISE INDICATED, ALL ITEMS NOTED TO BE DEMOLISHED

SHALL BECOME THE CONTRACTOR'S PROPERTY AND BE REMOVED FROM THE SITE.

1.15 CONTRACTOR SITE VISITS
CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THERE OF.
2.00 DESIGN CRITERIA
2.01 GENERAL BUILDING CODES
THE CONTRACT DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE FOLLOWING DESIGN CODE AND STANDARDS AND/OR CRITERIA:
GENERAL 2006 INTERNATIONAL BUILDING CODE W/ GEORGIA AMENDMENTS
CONCRETE ACI 318-05
MASONRY ACI 530
STRUCTURAL STEEL AISC 360-05 LRFD
2.02 LIVE LOADS
DESIGN GRAVITY LIVE LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS: UNIFORM LOAD CONCENTRATED LOAD (Lb)
CATEGORY (PSF)
ROOF, TYPICAL 20 300
OFFICES 50 2000
LIBRARY, TYPICAL 150 2000
LIBRARY, HIGH DENSITY 300 2000
LOBBIES AND CORRIDORS 100
BALCONIES 100
STORAGE 125
MECHANICAL ROOMS 125
2.03 LATERAL FORCE RESISTING SYSTEM
1. THE ABILITY OF THE STRUCTURAL FRAME TO RESIST LATERAL LOADS AND PROVIDE STABILITY UNDER GRAVITY LOADS DERIVES FROM THE COMPLETE INSTALLATION OF THE LATERAL FORCE RESISTING SYSTEMS AND DIAPHRAGMS DESCRIBED BELOW. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL TEMPORARY BRACING REQUIRED TO MAINTAIN THE STABILITY AND SAFETY OF ALL ELEMENTS DURING THE CONSTRUCTION PROCESS UNTIL ALL OF THESE ELEMENTS ARE COMPLETELY INSTALLED AND ALL DESIGNATED CONCRETE ELEMENTS (IF ANY) HAVE REACHED A MINIMUM OF 75% OF THEIR DESIGN STRENGTH. THE REQUIRED STRUCTURAL ELEMENTS ARE:
A. ORDINARY REINFORCED MASONRY SHEAR WALLS
2. WIND LOADS
A. WIND PRESSURES ARE BASED ON THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7-05, DESIGN WIND LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:
WIND SPEED 90 MPH
EXPOSURE CATEGORY B
INTERNAL PRESSURE COEFFICIENT +/-0.18
3. SEISMIC DESIGN CRITERIA
SEISMIC CRITERIA USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:
OCCUPANCY CATEGORY II
0.2 SEC. SPECTRAL ACCELERATION (SS) (%G) 0.226G
1 SEC. SPECTRAL ACCELERATION (S1) (%G) 0.086G
SITE CLASS E
SITE COEFFICIENT, SHORT PERIOD (Fa) 2.500
SITE COEFFICIENT, 1 SEC. PERIOD (Fv) 3.500
SDS 0.377G
SD1 0.230G
SEISMIC IMPORTANCE FACTOR, I 1.00
R 3.0
SYSTEM OVER-STRENGTH FACTOR 3.0
Cd 3.0
SEISMIC DESIGN CATEGORY D
0.126
SEISMIC BASE SHEAR 1200 KIPS
3.00 FOUNDATION NOTES
3.01 GEOTECHNICAL REPORT
FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PERFORMED BY CARDNO. ACT. REPORT # 066.26231.6024 DATED 01/14/2013. THE ARCHITECT AND STRUCTURAL ENGINEER ARE NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT FROM THOSE ASSUMED FOR DESIGN NOR ACCURACY OR APPLICABILITY OF SUCH DATA HEREIN THE CONTRACT DOCUMENTS.
3.02 FOUNDATION COORDINATION
PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING UTILITIES. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED AND APPROVAL OBTAINED BEFORE FOOTINGS ARE TO BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.
3.03 FOUNDATION CONDITION DISCREPANCIES
FOUNDATION CONDITIONS NOTED DURING CONSTRUCTION WHICH DIFFER FROM THOSE DESCRIBED IN THE GEOTECHNICAL REPORT SHALL BE REPORTED TO THE ARCHITECT, STRUCTURAL ENGINEER, AND GEOTECHNICAL ENGINEER BEFORE FURTHER CONSTRUCTION IS ATTEMPTED. STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR DIFFERENTIAL SETTLEMENT, SLAB CRACKING, OR OTHER FUTURE DEFECTS RESULTING FROM UNREPORTED CONDITIONS.
3.04 SUBGRADE PREPARATION
1. THE CONTRACTOR SHALL PERFORM EXCAVATIONS, FOOTING CONSTRUCTION, AND PREPARATION OF THE SUBGRADE UNDER THE SLAB ON GRADE IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT AND THE PROJECT SPECIFICATIONS.
2. THE CONTRACTOR SHALL DETERMINE THE EXTENT OF CONSTRUCTION DEWATERING REQUIRED FOR THE EXCAVATION. THE CONTRACTOR SHALL SUBMIT TO THE GEOTECHNICAL ENGINEER FOR REVIEW THE PROPOSED PLAN FOR CONSTRUCTION DEWATERING, PRIOR TO BEGINNING THE EXCAVATION
3. THE CONTRACTOR SHALL REFERENCE SPECIFICATIONS, GEOTECHNICAL REPORT, AND CONSULT GEOTECHNICAL ENGINEER FOR STRUCTURAL FILL COMPACTION AND TESTING REQUIREMENTS.
4. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED AND CERTIFIED FOR THE ADEQUACY OF THE BEARING MEDIUM BY A STRUCTURAL TESTING/INSPECTION AGENCY PRIOR TO PLACING FOUNDATION CONCRETE.
5. WITHIN AN AREA A MINIMUM OF 5 FEET BEYOND THE BUILDING LIMITS, EXCAVATE A MINIMUM OF 4" OF EXISTING SOIL. REMOVE ALL ORGANICS, PAVEMENT, ROOTS, DEBRIS AND OTHERWISE UNSUITABLE MATERIAL.
6. NO UNBALANCED BACKFILLING SHALL BE DONE AGAINST FOUNDATION WALLS UNLESS WALLS ARE SPECIFICALLY BRACED AGAINST OVERTURNING, EITHER BY TEMPORARY BRACING OR BY PERMANENT CONSTRUCTION.
7. ALL RETAINING WALLS SHALL HAVE AT LEAST 12" OF FREE-DRAINING GRANULAR BACKFILL, FULL HEIGHT OF WALL. PROVIDE CONTROL JOINTS IN RETAINING WALLS AT APPROXIMATELY EQUAL INTERVALS NOT TO EXCEED 25 FEET NOR 3 TIMES THE WALL HEIGHT. PROVIDE EXPANSION JOINTS AT EVERY FOURTH CONTROL JOINT, UNLESS OTHERWISE INDICATED.
3.05 CONCRETE FOUNDATIONS
1. TOP OF FOUNDATION ELEVATION SHALL BE AS SHOWN ON THE FOUNDATION PLAN.
2. AUGERED CAST-IN-PLACE PILE FOUNDATIONS
- PILE SIZE = 16" DIAMETER
- PILE COMPRESSIVE CAPACITY = 200 KIPS
- PILE TENSILE CAPACITY = 40 KIPS
- PILE SHEAR CAPACITY = 10 KIPS
3. THE CENTERLINES OF COLUMN FOUNDATIONS SHALL BE LOCATED ON COLUMN CENTER LINES U.N.O.
5. HELICAL SCREW FOUNDATIONS
A. HELICAL SCREW FOUNDATIONS SHALL BE DESIGNED TO WITHSTAND LOADS AS INDICATED ON THE STRUCTURAL DETAILS.
B. INSTALLATION SHALL BE COORDINATED WITH NEW AND EXISTING UNDERGROUND UTILITIES.

4.00 CAST-IN-PLACE CONCRETE

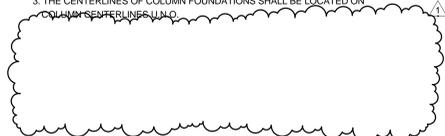
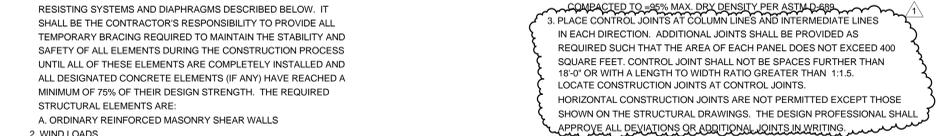
4.01 CONCRETE SPECIFICATIONS
1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS".
HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
2. ALL CONCRETE TO BE PERMANENTLY EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (+/-1%).
3. ALL CONCRETE SHALL BE PROPORTIONED FOR A MAXIMUM ALLOWABLE UNIT SHRINKAGE OF 0.05% MEASURED AT 28 DAYS AFTER CURING IN LIME WATER AS DETERMINED BY ASTM C 157 (USING AIR STORAGE).
4. ALL CONCRETE SHALL CONFORM TO THE REQUIREMENTS AS SPECIFIED IN THE TABLE BELOW U.N.O. ON THE DRAWINGS:
USAGE 28 DAY COMP. CONC. STRENGTH, PSI TYPE MAX AGG. IN REMARKS
1. SPREAD FOOTINGS 3000 NWT 1
2. WALL FOOTINGS 3000 NWT 1
3. FOUNDATION WALLS 3000 NWT 1
4. SLAB ON GRADE 3000 NWT 1
5. SLAB ON-COMPOSITE DECK 3500 LWT 3/4
4.02 SLAB ON GRADE
1. UNLESS NOTED OTHERWISE, SLAB ON GRADE SHALL BE PLACED ON GRANULAR FILL ON COMPACTED SUBGRADE.
2. SLAB ON GRADE SHALL BE UNDERLAID BY POROUS MATERIAL. PRIOR TO PLACING THE POROUS MATERIAL, THE SUBGRADE SHALL BE PROPERLY COMPACTED, PROOFROLLED, FREE OF STANDING WATER, MUD AND FROZEN SOIL. BEFORE PLACEMENT OF THE CONCRETE, POLYETHYLENE VAPOR VAPOR RETARDER SHALL BE PLACED ON TOP OF THE POROUS MATERIAL.
A. ALL POROUS FILL MATERIAL SHALL BE A CLEAN GRANULAR MATERIAL WITH 100% PASSING A 1-1/2" SIZE AND NO MORE THAN 5% PASSING A NO. 4 SIEVE. POROUS FILL SHALL BE COMPACTED TO 95% MAX. DRY DENSITY PER ASTM D 1557.
3. PLACE CONTROL JOINTS AT COLUMN LINES AND INTERMEDIATE LINES IN EACH DIRECTION. ADDITIONAL JOINTS SHALL BE PROVIDED AS REQUIRED SUCH THAT THE AREA OF EACH PANEL DOES NOT EXCEED 400 SQUARE FEET. CONTROL JOINT SHALL NOT BE SPACES FURTHER THAN 18'-0" OR WITH A LENGTH TO WIDTH RATIO GREATER THAN 1:1.5. LOCATE CONSTRUCTION JOINTS AT CONTROL JOINTS. HORIZONTAL CONSTRUCTION JOINTS ARE NOT PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS. THE DESIGN PROFESSIONAL SHALL APPROVE ALL DEVIATIONS OF ADDITIONAL JOINTS IN WRITING.
4. SLAB JOINTS SHALL BE FILLED WITH APPROVED MATERIAL. THIS SHOULD TAKE PLACE AS LATE AS POSSIBLE, PREFERABLY 4 TO 5 WEEKS AFTER THE SLAB HAS BEEN CAST. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINTS, THEN FILL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS FOLLOWS:
6" SLAB - FILL WITH EPOXY RESIN
OTHER SLABS - FILL WITH FIELD MOLDED OR ELASTOMERIC SEALANT
5. WHERE THE SLAB IS TO RECEIVE SENSITIVE ARCHITECTURAL FLOOR FINISHES, SUCH AS CERAMIC TILE, ALL JOINTS IN SLAB CONSTRUCTION SHALL BE PLACED TO ALIGN WITH THE JOINTS IN THE FINISHED MATERIAL.
6. THE CONTRACTOR IS CAUTIONED AGAINST LOADING THE SLAB ON GRADE WITH CRANE LOADS. THE SLAB HAS NOT BEEN DESIGNED FOR CRANE LOADS AND WILL REQUIRE AN INCREASE IN SLAB THICKNESS AND/OR REINFORCEMENT. THE CONTRACTOR IS REQUIRED TO SUBMIT CALCULATIONS SIGNED AND SEALED BY A REGISTERED STRUCTURAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED VERIFYING THE ADEQUACY OF THE SLAB.
7. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEPRESSED SLAB AREAS AND DRAINS. SLOPE SLAB TO DRAINS WHERE SHOWN.
4.03 FORMWORK
FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF ITS 28 DAY STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RESHORING.
4.04 REINFORCING STEEL
5.01 REINFORCING STEEL SPECIFICATION
1. METHODS OF ESTIMATING, DETAILING, FABRICATING, PLACING AND CONTRACTING FOR REINFORCING MATERIALS SHALL FOLLOW THE MANUAL OF STANDARD PRACTICE AS PUBLISHED BY THE CONCRETE REINFORCING STEEL INSTITUTE.
2. DETAILING OF BAR SUPPORTS, INCLUDING HOOKS AND BENDS, FOR REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE ACI STANDARD DETAILS AND DETAILING OF CONCRETE REINFORCEMENT AS REPORTED BY ACI COMMITTEE 315.
3. ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 U.N.O.
4. WELDED WIRE FABRIC (FLAT SHEET ONLY) SHALL CONFORM TO ASTM A706 AND HAVE A MINIMUM SIDE AND END LAPS OF 8"
5. DEFORMED BAR ANCHORS SHALL BE ASTM A496 MINIMUM YIELD STRENGTH 70,000 PSI AS NOTED ON THE DRAWINGS. REINFORCING BARS SHALL NOT BE SUBSTITUTED FOR DEFORMED BAR ANCHORS.
5.02 CONCRETE REINFORCEMENT
1. CONCRETE REINFORCEMENT BARS SHALL NOT BE TACK WELDED, WELDED, HEATED OR CUT UNLESS INDICATED ON THE CONTRACT DOCUMENTS OR REVIEWED BY THE STRUCTURAL ENGINEER.
2. ALL REINFORCING STEEL SHALL BE SET AND TIED IN PLACE PRIOR TO POURING OF CONCRETE, EXCEPT THE VERTICAL DOWELS FOR MASONRY WALL REINFORCING THAT MAY BE "FLOATED" IN PLACE. DO NOT FIELD BEND BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE UNLESS SPECIFICALLY INDICATED OR APPROVED BY THE ENGINEER.
5.03 HORIZONTAL REINFORCEMENT
HORIZONTAL FOOTING AND WALL REINFORCEMENT SHALL BE CONTINUOUS AND SHALL HAVE 90 DEGREE BENDS AND EXTENSIONS, OR CORNER BARS OF EQUIVALENT SIZE LAPPED 36 BAR DIAMETERS AT CORNERS AND INTERSECTIONS.
5.04 REINFORCEMENT STEEL COVERAGE
UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR THE REINFORCEMENT LAYER NEAREST TO THE SURFACE:
1. CONCRETE SURFACES CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"
2. CONCRETE EXPOSED TO EARTH OR WEATHER:
A. #6 THROUGH #8 BARS - 2"
B. #5 BAR, W/1 OR D31 WIRE & SMALLER - 1 1/2"
3. CONCRETE SURFACES NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND:
A. #3 TO #11 BARS IN ELEVATED SLABS, WALLS, JOISTS - 3/4"
B. #3 TO #18 BARS IN BEAMS, COLUMNS - 1 1/2"
C. FOUNDATION CONCRETE - 3"
4. PROVIDE STANDARD BAR CHAIRS AND SPACERS AS REQUIRED TO MAINTAIN CONCRETE PROTECTION SPECIFIED
5.05 REINFORCEMENT SPLICES
ALL REINFORCING DESIGNATED AS CONTINUOUS (CONT) ON THE PLANS AND DETAILS SHALL BE LAPPED 36BAR DIAMETERS AT SPLICES U.N.O. REINFORCEMENT BAR SPLICES IN GRADE BEAMS SHALL BE LOCATED AT THE CENTERLINE OF SUPPORTS FOR BOTTOM BARS AND AT MIDSPAN FOR TOP BARS. PROVIDE STANDARD ACH HOOKS FOR TOP AND BOTTOM BARS AT DISCONTINUOUS ENDS OF ALL GRADE BEAMS.
1. THE FOLLOWING NOTATIONS ARE USED ON THE DRAWINGS TO DENOTE REINFORCING STEEL EMBEDMENT LENGTHS AND SPLICE TYPES:
CD - COMPRESSION DEVELOPMENT LENGTH, 2 BAR DIAMETERS
TD - TENSION DEVELOPMENT LENGTH
CS - COMPRESSION SPLICE, 30 BAR DIAMETER
EB - END BEARING COMPRESSION SPLICE
M - MECHANICAL ANCHORAGE SPLICE OR OTHER TENSION SPLICE
TYPE DEVELOPING 125% Fy IN TENSION
A - CLASS A TENSION SPLICE
B - CLASS B TENSION SPLICE
2. UNSCHEDULED BEAMS, GRADE BEAMS, AND SLABS SHALL HAVE CONTINUOUS TOP BARS LAPPED AT MIDSPAN BETWEEN SUPPORTS WITH A CLASS A TENSION SPLICE. BOTTOM BARS SHALL BE LAPPED AT THE SUPPORTS WITH A CLASS A TENSION SPLICE.
5.06 TOPPING SLABS AND HOUSEKEEPING PADS
AS A MINIMUM PROVIDE WELDED SMOOTH WIRE REINFORCEMENT W/6x6 W/2.9x2.9 IN ALL TOPPING SLABS AND HOUSEKEEPING PADS SUPPORTING MECHANICAL EQUIPMENT WHETHER SHOWN ON THE DRAWINGS OR NOT UNLESS HEAVIER REINFORCEMENT IS CALLED FOR ON THE DRAWINGS.

5.07 PLACEMENT OF WELDED WIRE REINFORCEMENT

WELDED WIRE REINFORCEMENT SHALL BE CONTINUOUS ACROSS THE FILLING OF JOINT CONCRETE SURFACE AND NOT INTERRUPTED BY BEAMS OR GIRDERS. PRECAST CONCRETE BLOCKS USED FOR THE POSITIONING OF THE WELD WIRE REINFORCEMENT SHALL HAVE A COMPRESSIVE STRENGTH EQUAL TO THAT OF THE SLAB. USE OF POLYPROPYLENE FIBERS (IN LIEU OF WELDED WIRE FABRIC) IS PROHIBITED WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF THE STRUCTURAL ENGINEER.
5.08 STEEL OVERLAGE ALLOWANCE
1. PROVIDE FOR AN ALLOWANCE OF 5% OF TOTAL REINFORCING STEEL FOR THE PROJECT TO BE FABRICATED AND PLACED DURING PROGRESS OF REINFORCING STEEL INDICATED ON THE DRAWINGS CREDIT THE OWNER ANY UNUSED QUANTITY AT THE END OF THE PROJECT.
6.00 STRUCTURAL STEEL
6.01 STRUCTURAL STEEL SPECIFICATIONS
1. STEEL FABRICATORS SHALL BE AN AISC CERTIFIED SHOP FOR AND MAINTAIN DETAILED QUALITY CONTROL PROCEDURES AS REQUIRED TO SATISFY THE SPECIAL INSPECTION REQUIREMENTS.
2. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO THE LOAD AND RESISTANCE FACTOR DESIGN (LRFD) MANUAL OF STEEL CONSTRUCTION OF THE AISC.
3. THE OWNER SHALL HIRE AN INDEPENDENT TESTING AGENCY TO PROVIDE SPECIAL INSPECTIONS OF BOLTING, WELDING AND OTHER ITEMS IN ACCORDANCE WITH SPECIFIED CODE. CONTRACTOR TO CLEARLY MARK THE GRADE OF STEEL ON EACH PIECE WITH A DISTINGUISHING MARK VISIBLE FROM THE FLOOR LEVEL FOR THE PURPOSE OF FIELD INSPECTIONS.
4. ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, INCLUDING BRICK SHELF ANGLES, SHALL BE HOT-DIPPED GALVANIZED.
5. ALL STRUCTURAL STEEL TO BE SHOP PRIMED. ALL STRUCTURAL STEEL EXPOSED TO VIEW SHALL BE SHOP PAINTED.
6. ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECIFICATIONS U.N.O.:
DESCRIPTION ASTM GRADE
A. WIDE-FLANGE BEAMS AND COLUMNS AND WT SHAPE BEAMS A992 50
SUBSTITUTE FOR A992 A572 50
B. CHANNELS USED AS BEAMS, AND WIND GIRTS A36 36
S SHAPE ELEVATOR DIVIDER BEAMS, EDGE ANGLES, BENT PLATES, ANGLE HANGERS, BRACES/KICKERS, BASE PLATES, PLATES IN BUILT-UP COLUMNS, AND ANGLE OR CHANNEL WEB MEMBERS OF BRACED FRAMES
C. PIPE COLUMNS A53 B(FY=36KSI)
D. ROUND HOLLOW SHAPES USED AS COLUMNS OR WIND GIRTS A500 B(FY=46KSI)
E. SQUARE HOLLOW SHAPES USED AS COLUMNS OR WIND GIRTS A500 B(FY=46KSI)
E. BEAM COLUMN STIFFENER PLATES DOUBLE PLATES A572 50
F. ALL OTHER STEEL NOT INDICATED EXCEPT PLATES AND ANGLES A992 50
SUBSTITUTE FOR A992 A572 50
6.02 STRUCTURAL DESIGN
1. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. THE CONTRACTOR PER THE COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
6.03 CONNECTIONS
1. CONNECTION DETAILS NOT COMPLETELY DETAILED ON THE DRAWINGS INCLUDING MATERIAL GRADE AND SIZES, WELD SIZES, AND NUMBER OF BOLTS SHALL BE DESIGNED BY THE CONTRACTOR PER THE SPECIFICATIONS. THE DETECTING ARRANGEMENT CONCEPT OF THE CONNECTION WITHOUT COMPLETE DETAILS SHALL BE DESIGNED WITH THAT ARRANGEMENT CONCEPT. THIS DESIGN SERVICE SHALL BE INCLUDED IN THE CONTRACTORS SCOPE OF SERVICES. SHOP DRAWINGS AND CALCULATIONS OF SUCH CONNECTIONS SHALL BE SUBMITTED BEARING THE SIGNED AND DATED SEAL OF A LICENSED PROFESSIONAL ENGINEER IN THE PROJECT STATE. REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS.
2. ALL CONNECTION MATERIAL, INCLUDING STIFFENERS, BEARING AND GUSSET PLATES, ANGLES, ETC. U.N.O. HEREIN OR ON THE DRAWINGS SHALL CONFORM TO ASTM A36 UNLESS A HIGHER GRADE OF STEEL IS REQUIRED BY STRENGTH AND PROVIDED THE RESULTING SIZES ARE COMPATIBLE WITH THE CONNECTED MEMBERS.
3. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. ALL CONNECTIONS SHALL BE SHEAR TYPE CONNECTIONS AND DESIGNED BY THE FABRICATOR IN ACCORDANCE WITH THE AISC SPECIFICATIONS FOR LOAD AND RESISTANCE FACTOR DESIGN FOR THE FACTORED REACTION FORCES INDICATED ON PLAN. MINIMUM REACTION FORCE TO BE 10 KIP U.N.O.
5. THE FABRICATOR SHALL DESIGN CONNECTIONS FOR THE FORCES SHOWN AND SUBMIT CALCULATIONS AND SHOP DRAWINGS BEARING THE SIGNED AND DATED SEAL OF A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT STATE.
6. WHERE STEEL BEAMS BEAR ABOVE BUILDING EXPANSION JOINTS OR AT WALL CONTROL JOINTS, PROVIDE A "SLIP" CONNECTION.
6.04 STRUCTURAL BOLTS, FASTENERS, ANCHOR RODS, AND HEADED STUDS
1. ALL BOLTS IN STRUCTURAL CONNECTIONS SHALL CONFORM TO ASTM A325, HAVE A MINIMUM DIAMETER OF 3/4", AND BE A SHEAR BEARING TYPE BOLT "SNUG-TIGHT" U.N.O.
2. USE ASTM A490 TYPE 1 BOLTS FOR BEARING TYPE CONNECTIONS WITH A BOLT DIAMETER GREATER THAN 1" ONLY.
3. UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR THE REINFORCEMENT LAYER NEAREST TO THE SURFACE:
1. CONCRETE SURFACES CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"
2. CONCRETE EXPOSED TO EARTH OR WEATHER:
A. #6 THROUGH #8 BARS - 2"
B. #5 BAR, W/1 OR D31 WIRE & SMALLER - 1 1/2"
3. CONCRETE SURFACES NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND:
A. #3 TO #11 BARS IN ELEVATED SLABS, WALLS, JOISTS - 3/4"
B. #3 TO #18 BARS IN BEAMS, COLUMNS - 1 1/2"
C. FOUNDATION CONCRETE - 3"
4. PROVIDE STANDARD BAR CHAIRS AND SPACERS AS REQUIRED TO MAINTAIN CONCRETE PROTECTION SPECIFIED
5.05 REINFORCEMENT SPLICES
ALL REINFORCING DESIGNATED AS CONTINUOUS (CONT) ON THE PLANS AND DETAILS SHALL BE LAPPED 36BAR DIAMETERS AT SPLICES U.N.O. REINFORCEMENT BAR SPLICES IN GRADE BEAMS SHALL BE LOCATED AT THE CENTERLINE OF SUPPORTS FOR BOTTOM BARS AND AT MIDSPAN FOR TOP BARS. PROVIDE STANDARD ACH HOOKS FOR TOP AND BOTTOM BARS AT DISCONTINUOUS ENDS OF ALL GRADE BEAMS.
1. THE FOLLOWING NOTATIONS ARE USED ON THE DRAWINGS TO DENOTE REINFORCING STEEL EMBEDMENT LENGTHS AND SPLICE TYPES:
CD - COMPRESSION DEVELOPMENT LENGTH, 2 BAR DIAMETERS
TD - TENSION DEVELOPMENT LENGTH
CS - COMPRESSION SPLICE, 30 BAR DIAMETER
EB - END BEARING COMPRESSION SPLICE
M - MECHANICAL ANCHORAGE SPLICE OR OTHER TENSION SPLICE
TYPE DEVELOPING 125% Fy IN TENSION
A - CLASS A TENSION SPLICE
B - CLASS B TENSION SPLICE
2. UNSCHEDULED BEAMS, GRADE BEAMS, AND SLABS SHALL HAVE CONTINUOUS TOP BARS LAPPED AT MIDSPAN BETWEEN SUPPORTS WITH A CLASS A TENSION SPLICE. BOTTOM BARS SHALL BE LAPPED AT THE SUPPORTS WITH A CLASS A TENSION SPLICE.
5.06 TOPPING SLABS AND HOUSEKEEPING PADS
AS A MINIMUM PROVIDE WELDED SMOOTH WIRE REINFORCEMENT W/6x6 W/2.9x2.9 IN ALL TOPPING SLABS AND HOUSEKEEPING PADS SUPPORTING MECHANICAL EQUIPMENT WHETHER SHOWN ON THE DRAWINGS OR NOT UNLESS HEAVIER REINFORCEMENT IS CALLED FOR ON THE DRAWINGS.

2. ALL PROTECTIVE COATINGS DAMAGED DURING THE TRANSPORTING, ERECTION AND FIELD WELDING PROCESSES SHALL BE REPAIRED IN THE FIELD TO MATCH THE SHOP APPLIED COATING.

3. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING.
6.08 STEEL OVERLAGE ALLOWANCE
PROVIDE AN ALLOWANCE OF 5% OF THE TOTAL STRUCTURAL STEEL FOR THE PROJECT TO BE FABRICATED AND INSTALLED DURING THE PROGRESS OF THE WORK AS MAY BE DIRECTED BY THE STRUCTURAL ENGINEER OF RECORD. IN ADDITION TO STRUCTURAL STEEL INDICATED ON THE DRAWINGS, CREDIT THE OWNER ANY UNUSED QUANTITY AT THE END OF THE PROJECT.
7.00 STEEL DECKS
7.01 DESIGN
1. DESIGN OF STEEL DECK IS BASED ON THE STEEL DECK INSTITUTE (SDI) DESIGN MANUAL FOR COMPOSITE DECK, FORM DECK, AND ROOF DECKS.
2. PROVIDE ROOF DECKS WITH THE FOLLOWING MINIMUM PROPERTIES:
A. 1 1/2 INCH - 20 GA
- DEPTH = 1 1/2 INCH
- THICKNESS = 20 GAGE
- ELASTIC SECTION MODULUS = 0.247 IN^3/FT
- MOMENT OF INERTIA = 0.222 IN^4/FT
- YIELD STRESS = 33,000 PSI
3. PROVIDE COMPOSITE FLOOR DECK WITH THE FOLLOWING MINIMUM PROPERTIES:
A. 3 INCH - 18 GA
- DEPTH = 3 INCH
- THICKNESS = 18 GAGE
- ELASTIC SECTION MODULUS = 0.809 IN^3/FT
- MOMENT OF INERTIA = 1.276 IN^4/FT
- YIELD STRESS = 40,000 PSI
4. PROVIDE NON-COMPOSITE FORM DECK WITH THE FOLLOWING MINIMUM PROPERTIES:
A. 1 INCH - 26 GA
- DEPTH = 1 1/2 INCH
- THICKNESS = 26 GAGE
- ELASTIC SECTION MODULUS = 0.067 IN^3/FT
- MOMENT OF INERTIA = 0.041 IN^4/FT
- YIELD STRESS = 40,000 PSI
6. DECKING SHALL BE CONTINUOUS A MINIMUM OF 3 SPANS WHERE THE STRUCTURE PERMITS AND ERECTED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
7. DAMAGED DECK IN THE HANDLING AND ERECTION PROCESS SHALL BE REPAIRED WITH GALVANIZING REPAIR PAINT.
8. FASTEN DECK PER SPECIFICATIONS.
8.00 MASONRY
8.01 MASONRY SPECIFICATIONS
1. CONCRETE MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND THE SPECIFICATIONS FOR MASONRY STRUCTURES, ACI 530.
2. GROUT FOR REINFORCED MASONRY SHALL BE IN ACCORDANCE WITH ASTM C476 WITH MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI U.N.O.
3. PROVIDE TYPE 'S' MORTAR IN ACCORDANCE WITH ASTM C270. U.N.O. MORTAR BED JOINTS SHALL NOT EXCEED 5/8" THICKNESS.
4. PROVIDE HOLLOW, LOAD-BEARING CONCRETE MASONRY UNITS (CMU) CONFORMING TO ASTM C90, WITH A MAXIMUM DENSITY OF 105 PCF.
5. CONCRETE MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH Fm = 1500 PSI, CORRESPONDING TO UNIT STRENGTH OF 2,000 PSI ON NET CROSS-SECTIONAL AREA OF CMU DETERMINED IN ACCORDANCE WITH ASTM C140.
6. TRUSS AND LADDER REINFORCEMENT SHALL BE ZINC COATED AND COMPLY WITH ASTM A82.
7. COORDINATE EMBEDDED ITEMS REQUIRED FOR ARCHITECTURAL, STRUCTURAL, AND MECHANICAL ELEMENTS.
8.02 MASONRY DESIGN
1. MASONRY UNITS SHALL BE PLACED IN RUNNING BOND U.N.O.
2. ANCHOR SIDES AND TOPS OF MASONRY WALL PANELS TO THE STRUCTURE BY DOVETAIL ANCHORS, METAL STRAPS, OR EQUIVALENT U.N.O.
3. SEE ARCHITECTURAL DRAWINGS FOR NON-STRUCTURAL CMU WALL LOCATIONS. PROVIDE REINFORCEMENT IN ACCORDANCE WITH SECTION 9.05.
8.03 CONTROL JOINTS
1. VERTICAL CONTROL JOINTS SHALL BE PROVIDED ACCORDING TO THE FOLLOWING CRITERIA:
A. 40' MAXIMUM HORIZONTAL SPACING
B. 20' MAXIMUM FROM BUILDING CORNERS
C. NO CLOSER THAN 1'-4" TO OPENING EDGES
D. NO CLOSER THAN 1'-4" TO MAJOR BEAM OR JOIST BEARINGS
2. BOND BEAMS, CMU LINTELS, MASONRY BENEATH STEEL BEAMS, JOIST BEARINGS, AND OTHER STRUCTURAL ELEMENTS SHALL EXTEND UNINTERRUPTED ACROSS CONTROL JOINTS. PROVIDE RAKED JOINTS IN THESE ELEMENTS TO MATCH THE CONTROL JOINT.
8.04 STABILITY AND BRACING
MASONRY WALLS SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS HAVE BEEN DESIGNED TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES APPLIED TO THEM IN THE FINAL CONSTRUCTED CONFIGURATION AS SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY AND ADEQUATELY BRACE ALL MASONRY WALLS AT ALL STAGES DURING CONSTRUCTION TO RESIST ERECTION LOADS AND LATERAL LOADS THAT COULD POSSIBLY BE APPLIED PRIOR TO COMPLETION OF CONSTRUCTION.
8.05 CMU WALL HEIGHTS
MAXIMUM ALLOWABLE HEIGHTS FOR ALL NON-STRUCTURAL AND ARCHITECTURAL CMU WALLS ARE SHOWN BELOW. WALLS ARE DESIGNED TO RESIST A 5 PSF UNIFORM LOAD APPLIED TO ONE FACE OF THE CMU (ASSUMING NO ADDITIONAL OUT-OF-PLANE LOADS ARE APPLIED). NOTIFY THE STRUCTURAL ENGINEER OF ANY CONDITIONS THAT DO NOT COMPLY WITH THE REQUIREMENTS OF THIS SECTION. ALL CMU WALLS SHALL BE BRACED AGAINST OVERTURNING AT THE TOP AND BOTTOM UNLESS A WALL FRAMES PERPENDICULARLY INTO THE WALL AT A DISTANCE LESS THAN OR EQUAL TO THE MAXIMUM WALL HEIGHT INDICATED BELOW. CANTILEVERED WALLS ARE NOT PERMITTED UNLESS SPECIFICALLY DESIGNED BY THE DESIGN PROFESSIONAL. MAXIMUM ALLOWED HEIGHTS FOR ALL STRUCTURAL AND ARCHITECTURAL CMU THAT ARE BRACED AT THE TOP ARE:
INTERIOR NON-LOADBEARING CMU WALLS (5 PSF LOAD)
CMU WALL THICKNESS MAX. HEIGHT MIN. REIN.
6" 20'-0" #4@24" O.C.
8" 20'-0" #5@32" O.C.
9.00 POLYSTYRENE FILL
1. POLYSTYRENE FILL SHALL CONFORM TO ASTM C576.
2. POLYSTYRENE FILL BOARDS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSF.
3. POLYSTYRENE FILL TO HAVE A MINIMUM UNIT WEIGHT OF 1.0 POUNDS PER CUBIC FOOT.
4. POLYSTYRENE FILL BOARDS SHALL BE PROTECTED FROM EXPOSURE TO MOISTURE AND SUNLIGHT.



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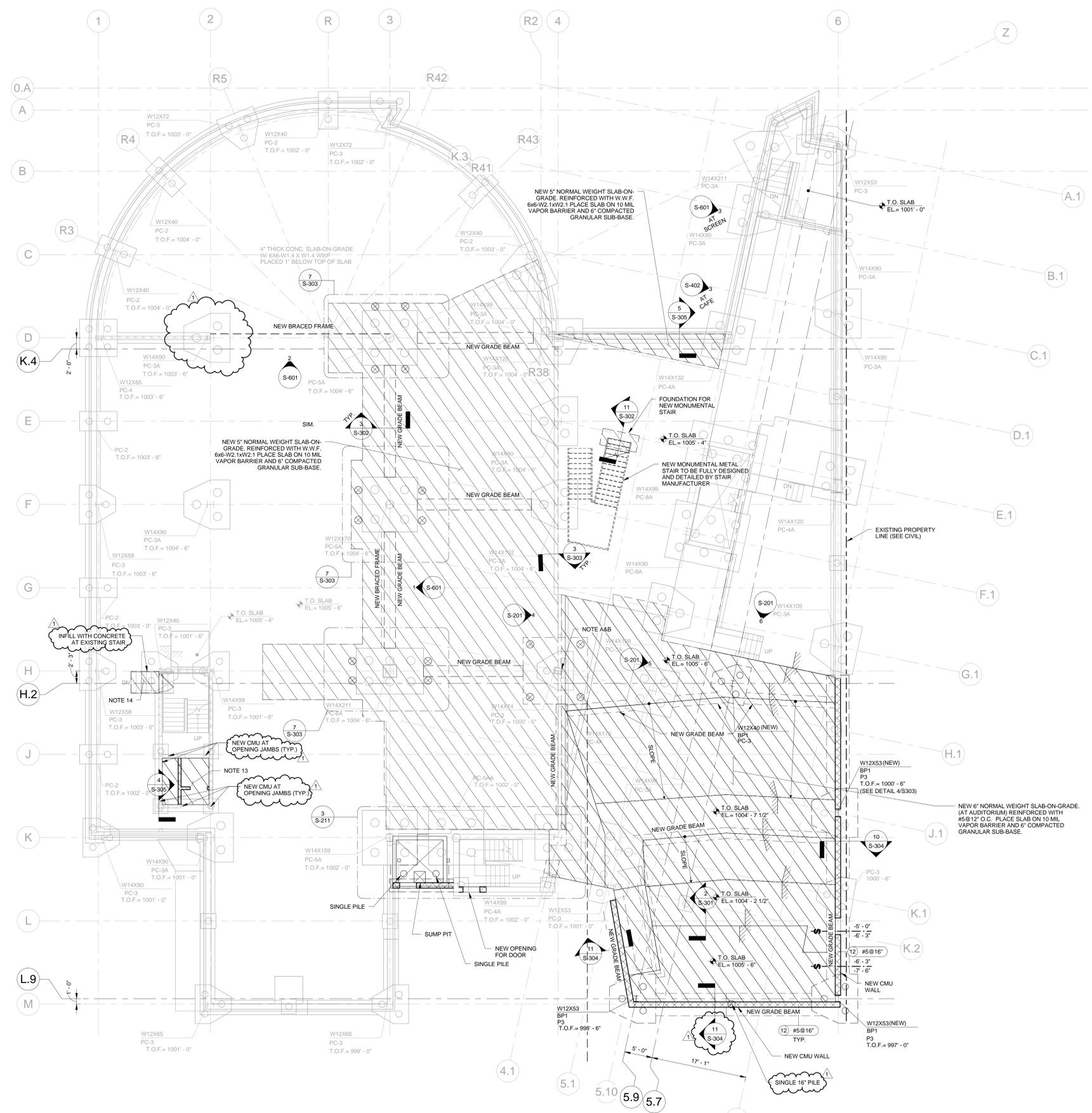
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1ST FLOOR PLAN

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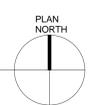


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CHECKED BY	MK
DATE	May 15, 2014
DATE	June 24, 2014
REVISIONS	1
SHEET NUMBER	S-101



- FOUNDATION NOTES:**
- SEE SHEET S-001 AND S-002 FOR GENERAL NOTES.
  - SEE SHEET S-300 SERIES SHEETS FOR TYPICAL FOUNDATION DETAILS NOT REFERENCED ON PLAN.
  - P# INDICATES PILE CAP. SEE DETAIL 2/S-304 FOR ADDITIONAL INFORMATION.
  - FIRST FLOOR SLAB FINISHED ELEVATION = 1005'-6" U.N.O. REFER TO ARCHITECTURAL /CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
  - ALL EXTERIOR FOUNDATIONS ARE -1'-4" BELOW THE FIRST FLOOR. ALL INTERIOR FOUNDATIONS ARE -0'-8" BELOW THE FIRST FLOOR. U.N.O.
  - ALL FOUNDATIONS ARE CENTERED ON COLUMNS U.N.O.
  - SEE ARCHITECTURAL DRAWINGS FOR ALL EDGE-OF-SLAB DIMENSIONS, SLOPED SLABS, DEPRESSED SLABS, AND NON LOAD-BEARING CMU WALL LOCATIONS.
  - NON LOAD-BEARING CMU WALLS ARE NOT SHOWN ON STRUCTURAL PLANS. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS AND USE DETAIL 2/S-302 AT BASES OF ALL NON LOAD-BEARING CMU WALLS.
  - COORDINATE ALL CMU WALL DOOR AND WINDOW OPENINGS WITH ARCHITECTURAL DRAWINGS.
  - C.J. INDICATES CONTROL JOINT IN SLAB-ON-GRADE. SEE DETAILS 6 & 7/S-301.
  - SEE S-401 FOR TYPICAL MASONRY WALL DETAILS NOT CALLED OUT ON PLAN.
  - CONCRETE PILASTER AT INDICATED LOCATION. SEE DETAIL 11/S-301.
  - INFILL EXISTING ELEVATOR PIT WITH GRAVEL AND 5" CONCRETE SLAB. REINF. W/ 6x6-W2.1xW2.1
  - INDICATES NEW CONCRETE SLAB.
  - SEE DETAILS 2/S-301 AND 3/S-303 FOR DETAILS AT NEW SLAB ON GRADE AND SLAB DEPRESSION
- REINFORCING NOTES:**
- STRENGTHEN EXISTING PILE CAP BY ADDING MICROPILES AS SHOWN. SEE DETAIL 12/S-202.
  - STRENGTHEN EXISTING COLUMN PER DETAIL 7/S-503.
  - STRENGTHEN EXISTING BEAM/GIRDER PER DETAIL 9/S-503.
  - PROVIDE REINFORCING HEADER AT NEW DOOR OPENING IN CMU WALL.

1  
S-101  
1ST FLOOR FOUNDATION  
1/8" = 1'-0"



RELEASED FOR CONSTRUCTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19																																																																																																																																																																																																																																																																																																																																	
A	<p><b>10.00 SUBMITTALS</b></p> <p>10.01 SUBMITTALS</p> <p>SUBMIT SHOP DRAWINGS AND OTHER ITEMS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. WRITTEN PERMISSION MUST BE OBTAINED FROM SYKES CONSULTING, INC. PRIOR TO THE REPRODUCTIVE USE OF STRUCTURAL DRAWINGS IN ANY FASHION FOR SHOP DRAWINGS. ELECTRONIC DRAWINGS FILES WILL NOT BE PROVIDED TO THE CONTRACTOR. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR BEFORE SUBMITTAL. THE ENGINEER'S REVIEW IS FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE RELEVANT CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW, CHECK AND COORDINATE THE SHOP DRAWINGS PRIOR TO SUBMISSION. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THE SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, DIMENSIONS, ETC. IN THE CONTRACT DOCUMENTS.</p> <p>10.02 SHOP DRAWING LIST</p> <p>THE CONTRACTOR SHALL PREPARE A DETAILED LIST OF ALL SUBMITTAL ITEMS TO BE SENT TO THE ENGINEER PRIOR TO THE START OF CONSTRUCTION. THIS LIST SHALL BE UPDATED, REVISED, AND KEPT CURRENT AS THE JOB PROGRESSES. THE SUBMITTAL LIST SHALL BE ORGANIZED AS SHOWN BELOW:</p> <ol style="list-style-type: none"> <li>SHOP DRAWINGS</li> <li>MANUFACTURERS LITERATURE FOR PRODUCTS, ASSEMBLIES, AND HARDWARE</li> <li>PRODUCTS, ASSEMBLIES AND HARDWARE</li> <li>PRODUCT CERTIFICATION, MILL CERTIFICATES, AND AFFIDAVITS</li> <li>DESIGN CALCULATIONS</li> </ol> <p>10.03 SUBMITTAL SCHEDULE</p> <p>SUBMIT SHOP DRAWINGS IN THE FORM OF ONE SET OF REPRODUCIBLES AND TWO SETS OF BLUELINE PRINTS, TWO SETS OF DESIGN CALCULATIONS AND MANUFACTURER LITERATURE. AS A MINIMUM, SUBMIT THE FOLLOWING ITEMS FOR REVIEW:</p> <ol style="list-style-type: none"> <li>CONCRETE MIX DESIGN(S);(1)</li> <li>CONSTRUCTION JOINT LOCATIONS IN STRUCTURAL FLOORS, WALLS, AND SLABS-ON-GRADE</li> <li>EMBEDDED ITEMS OR ITEMS ATTACHED (PLATES, BOLTS, ANGLES, ETC.) TO THE STRUCTURAL FRAME INCLUDING BUILDING CLADDING ATTACHMENTS (2)</li> <li>EXTERIOR WALL SYSTEM (2)</li> <li>FORMWORK, SHORING, AND BACKSHORING (1)(2)(3)</li> <li>LIGHT GAGE METAL (COLD FORMED STEEL) THAT IS LOAD BEARING OR USED TO SUPPORT EXTERIOR CLADDING (1)(3)</li> <li>METAL DECKING SHOP DRAWINGS</li> <li>MECHANICAL, ELECTRICAL, PLUMBING OPENINGS IN FLAT SLABS.</li> <li>PENETRATIONS IN BEAMS COLUMNS AND JOISTS.</li> <li>REINFORCING STEEL SHOP DRAWINGS.</li> <li>STRUCTURAL STEEL CONNECTIONS (3)</li> <li>CONNECTION TO BE SUBMITTED ALONG W/ STRUCTURAL STEEL SUBMITTAL</li> <li>STRUCTURAL STEEL SHOP AND ERECTION DRAWINGS (1)</li> <li>STRUCTURAL STEEL BUILDING ERECTION BRACING DRAWINGS AND ERECTION TOWER/SHORING DRAWINGS (1)(2)</li> <li>STEEL JOIST / GIRDER SHOP DRAWINGS (3)</li> <li>SURVEY OF STRUCTURAL STEEL ERECTION (1)</li> <li>ITEMS SHALL HAVE SHOP DRAWINGS BEARING THE SIGNED AND DATED SEAL OF A LICENSED ENGINEER IN THE PROJECT STATE.</li> <li>SUBMIT TO ENGINEER FOR OWNER'S RECORD ONLY AND WILL NOT HAVE THE ENGINEER'S SHOP DRAWING STAMP AFFIXED.</li> <li>SUBMIT DESIGN CALCULATIONS BEARING THE SIGNED AND DATED SEAL OF A LICENSED ENGINEER IN THE PROJECT STATE.</li> <li>EDGE OF SLAB PLAN INDICATING EDGE OF SLAB DIMENSIONS, DEPTHS AND LOCATIONS OF DEPRESSIONS, LOCATIONS AND THICKNESSES OF TOPPING SLABS TO BE CREATED INDEPENDENT OF DESIGN TEAM CAD FILES AND COORDINATED WITH ALL DISCIPLINES</li> <li>OTHER SUBMITTALS MAY BE REQUIRED PER THE "SCHEDULE OF SPECIAL INSPECTIONS" OR THE SEPARATE NOTES CONTAINED HEREIN.</li> </ol> <p><b>10.00 PRICING NOTES</b></p> <p>10.01 GLAZING SUPPORT</p> <ol style="list-style-type: none"> <li>ASSUME THAT ALL GLAZING WIDER THAN 10'-0" TO BE BRACED AT TOP AND BOTTOM (IF NOT EXTENDING TO THE FLOOR) WITH HSS4X4X3/8 VERTICALS AT 4'-0" O.C. (MAX.) AND CONT. HSS4X4X3/8 AT HEADER AND JAMBS.</li> <li>GLAZING LESS THAN 10'-0" SHALL BE BRACED WITH LIGHT GAGE METAL STUD FRAMING. METAL STUDS SHALL BE DESIGNED ACCORDINGLY.</li> </ol> <p>10.02 CLOSURE ANGLES</p> <ol style="list-style-type: none"> <li>ALL METAL DECK AND COMPOSITE DECK EDGES HAVE CONTINUOUS CLOSURE. ASSUME CONTINUOUS 1/4" BENT PLATE WITH HEIGHT TO MATCH CONCRETE AT COMPOSITE DECK AND 4" AT METAL ROOF DECK.</li> </ol> <p>10.03 EXPOSED STEEL</p> <ol style="list-style-type: none"> <li>ALL STRUCTURAL STEEL EXPOSED TO WEATHER AND/OR CORROSION SHALL BE HOT-DIPPED GALVANIZED (INCLUDING SHELF ANGLES), ANCHOR RODS EXPOSED TO WEATHER AND/OR CORROSION SHALL BE STAINLESS STEEL.</li> </ol> <p>10.04 EMBED PLATES</p> <ol style="list-style-type: none"> <li>ALL BEAMS FRAMING INTO CONCRETE AND CMU SHALL HAVE EMBED PLATES.</li> </ol> <p>10.05 CONCRETE PILASTERS OR PEDESTALS</p> <ol style="list-style-type: none"> <li>CONCRETE PILASTERS OR PEDESTALS SHALL BE ASSUMED AT ALL FOOTINGS LOWER THAN 2'-0" BELOW SLAB ON GRADE.</li> </ol> <p>10.06 OPERABLE WALLS AND COILING DOOR FRAMING</p> <ol style="list-style-type: none"> <li>ASSUME 75 PLF OF MISCELLANEOUS STEEL PER LINEAR FOOT OF OPERABLE WALL AND/OR COILING DOOR LENGTH.</li> </ol> <p>10.07 EXISTING CONDITIONS</p> <ol style="list-style-type: none"> <li>REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING ANTICIPATED OBSTRUCTIONS. A PRICING ALLOWANCE SHOULD BE MADE FOR THE REMOVAL OF OBSTRUCTIONS WHEN PLACING FOUNDATIONS.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
B	<p><b>12.00 DRAWING INTERPRETATION</b></p> <p>12.01 STRUCTURAL ABBREVIATIONS</p> <p>THE FOLLOWING ABBREVIATIONS ARE USED ON THE STRUCTURAL DRAWINGS:</p> <table border="0"> <tr> <td>@</td> <td>- AT</td> <td>LLBB</td> <td>- LONG LEG BACK TO BACK</td> </tr> <tr> <td>&amp;</td> <td>- AND</td> <td>LB(S)</td> <td>- POUND(S)</td> </tr> <tr> <td>Ø</td> <td>- ROUND, DIAMETER</td> <td>LD</td> <td>- DEVELOPMENT LENGTH</td> </tr> <tr> <td>AR</td> <td>- ANCHOR ROD</td> <td>LL(S)H</td> <td>- LONG LEG (SIDE) HORIZONTAL</td> </tr> <tr> <td>ADDL</td> <td>- ADDITIONAL</td> <td>LL(S)V</td> <td>- LONG LEG (SIDE) VERTICAL</td> </tr> <tr> <td>AHU</td> <td>- AIR HANDLING UNIT</td> <td>LWC</td> <td>- LIGHTWEIGHT CONCRETE</td> </tr> <tr> <td>ALT.</td> <td>- ALTERNATE</td> <td>MAS.</td> <td>- MASONRY</td> </tr> <tr> <td>ANCH.</td> <td>- ANCHOR</td> <td>MATL.</td> <td>- MATERIAL</td> </tr> <tr> <td>APPROX.</td> <td>- APPROXIMATE</td> <td>MAX.</td> <td>- MAXIMUM</td> </tr> <tr> <td>ARCH.</td> <td>- ARCHITECTURAL</td> <td>MC</td> <td>- MOMENT CONNECTION</td> </tr> <tr> <td>ARCHL.</td> <td>- ARCHITECTURAL</td> <td>MECH.</td> <td>- MECHANICAL</td> </tr> <tr> <td>BLDG.</td> <td>- BUILDING</td> <td>MEZZ.</td> <td>- MEZZANINE</td> </tr> <tr> <td>BM(S)</td> <td>- BEAM(S)</td> <td>MFR.</td> <td>- MANUFACTURE(R)</td> </tr> <tr> <td>BO</td> <td>- BOTTOM OF</td> <td>MIN.</td> <td>- MINIMUM</td> </tr> <tr> <td>BOT.</td> <td>- BOTTOM</td> <td>MTL.</td> <td>- METAL</td> </tr> <tr> <td>BRDG.</td> <td>- BRIDGING</td> <td>MISC.</td> <td>- MISCELLANEOUS</td> </tr> <tr> <td>BRG.</td> <td>- BEARING</td> <td>NIC</td> <td>- NOT IN CONTRACT</td> </tr> <tr> <td>BTWN.</td> <td>- BETWEEN</td> <td>NO. (#)</td> <td>- NUMBER</td> </tr> <tr> <td>C</td> <td>- CHANNEL</td> <td>NS</td> <td>- NEAR SIDE</td> </tr> <tr> <td>CANT.</td> <td>- CANTILEVER</td> <td>NTS</td> <td>- NOT TO SCALE</td> </tr> <tr> <td>CIP</td> <td>- CAST IN PLACE CONCRETE</td> <td>NWC</td> <td>- NORMAL WEIGHT CONCRETE</td> </tr> <tr> <td>CJ</td> <td>- CONSTRUCTION JOINT</td> <td>NWT</td> <td>- NORMAL WEIGHT</td> </tr> <tr> <td>CJP</td> <td>- COMPLETE JOINT PENETRATION</td> <td>OC</td> <td>- ON CENTER</td> </tr> <tr> <td>CL</td> <td>- CENTER LINE</td> <td>OPNG (S)</td> <td>- OPENING(S)</td> </tr> <tr> <td>CLR.</td> <td>- CLEAR</td> <td>OPP.</td> <td>- OPPOSITE</td> </tr> <tr> <td>CMU</td> <td>- CONCRETE MASONRY UNIT</td> <td>OPP. 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QUANTITY</td> </tr> <tr> <td>DET.</td> <td>- DETAIL</td> <td>R</td> <td>- RISER (STAIR), REACTION</td> </tr> <tr> <td>DIA.</td> <td>- DIAMETER</td> <td>RAD.</td> <td>- RADIUS</td> </tr> <tr> <td>DWA</td> <td>- DEFORMED WIRE ANCHOR</td> <td>REF.</td> <td>- REFERENCE</td> </tr> <tr> <td>DWL(S)</td> <td>- DOWEL(S)</td> <td>REINF.</td> <td>- REINFORCEMENT OR</td> </tr> <tr> <td>DWG(S)</td> <td>- DRAWING(S)</td> <td>REINFORCING</td> <td>- REINFORCING</td> </tr> <tr> <td>EA.</td> <td>- EACH</td> <td>REMAINDER</td> <td>- REMAINDER</td> </tr> <tr> <td>EJ</td> <td>- EXPANSION JOINT</td> <td>REQD.</td> <td>- REQUIRED</td> </tr> <tr> <td>EL.</td> <td>- ELEVATION</td> <td>REV.</td> <td>- REVISION</td> </tr> <tr> <td>ELEV.</td> <td>- ELEVATION</td> <td>RTU</td> <td>- ROOF TOP UNIT</td> </tr> <tr> <td>EMBED.</td> <td>- EMBEDMENT</td> <td>SC</td> <td>- SLIP CRITICAL, SHEAR CONNECTOR(S)</td> </tr> <tr> <td>ENGR.</td> <td>- ENGINEER</td> <td>SCHED.</td> <td>- SCHEDULE(D)</td> </tr> <tr> <td>EQ.</td> <td>- EQUAL</td> <td>SECT.</td> <td>- SECTION</td> </tr> <tr> <td>EQUIP.</td> <td>- EQUIPMENT</td> <td>SHT.</td> <td>- SHEET</td> </tr> <tr> <td>EQUIV.</td> <td>- EQUIVALENT</td> <td>SHR.</td> <td>- SHRIMP</td> </tr> <tr> <td>EW</td> <td>- EACH WAY</td> <td>STRUT.</td> <td>- STRUCTURE</td> </tr> <tr> <td>EXIST.</td> <td>- EXISTING</td> <td>SYM.</td> <td>- SYMMETRICAL</td> </tr> <tr> <td>EXP.</td> <td>- EXPANSION</td> <td>T</td> <td>- PLATE THICKNESS</td> </tr> <tr> <td>EXT.</td> <td>- EXTERIOR</td> <td>THRD.</td> <td>- THREADED</td> </tr> <tr> <td>FA.</td> <td>- FACE</td> <td>T.O.</td> <td>- TOP OF</td> </tr> <tr> <td>FAB.</td> <td>- FABRICATE</td> <td>TOC</td> <td>- TOP OF CONCRETE</td> </tr> <tr> <td>FC</td> <td>- 28 DAY CONCRETE</td> <td>TOM</td> <td>- TOP OF MASONRY</td> </tr> <tr> <td>FC</td> <td>- STRENGTH =</td> <td>TOS</td> <td>- TOP OF STEEL</td> </tr> <tr> <td>FD</td> <td>- FLOOR DRAIN</td> <td>TR.</td> <td>- TREAD (STAIR)</td> </tr> <tr> <td>FDN.</td> <td>- FOUNDATION</td> 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CIP	- CAST IN PLACE CONCRETE	NWC	- NORMAL WEIGHT CONCRETE																																																																																																																																																																																																																																																																																																																																																
CJ	- CONSTRUCTION JOINT	NWT	- NORMAL WEIGHT																																																																																																																																																																																																																																																																																																																																																
CJP	- COMPLETE JOINT PENETRATION	OC	- ON CENTER																																																																																																																																																																																																																																																																																																																																																
CL	- CENTER LINE	OPNG (S)	- OPENING(S)																																																																																																																																																																																																																																																																																																																																																
CLR.	- CLEAR	OPP.	- OPPOSITE																																																																																																																																																																																																																																																																																																																																																
CMU	- CONCRETE MASONRY UNIT	OPP. HD.	- OPPOSITE HAND																																																																																																																																																																																																																																																																																																																																																
COL	- COLUMN	PC	- PRECAST CONCRETE																																																																																																																																																																																																																																																																																																																																																
COMPR.	- COMPRESSIBLE	PCF	- POUNDS PER CUBIC FOOT																																																																																																																																																																																																																																																																																																																																																
CONC.	- CONCRETE	PL	- PLATE																																																																																																																																																																																																																																																																																																																																																
CONN(S)	- CONNECTION(S)	P.L.	- PROPERTY LINE																																																																																																																																																																																																																																																																																																																																																
CONST.	- CONSTRUCTION	PLF	- POUNDS PER LINEAR FOOT																																																																																																																																																																																																																																																																																																																																																
CONT.	- CONTINUOUS	PRELIM.	- PRELIMINARY																																																																																																																																																																																																																																																																																																																																																
CORR.	- CORRUGATED	PROP.	- PROPERTY																																																																																																																																																																																																																																																																																																																																																
CTRS.	- CENTERS	PSF	- POUNDS PER SQUARE FOOT																																																																																																																																																																																																																																																																																																																																																
DB	- BAR DIAMETER	PSI	- POUNDS PER SQUARE INCH																																																																																																																																																																																																																																																																																																																																																
DBA	- DEFORMED BAR ANCHOR	PT	- POST-TENSION(ED)ING																																																																																																																																																																																																																																																																																																																																																
DBL.	- DOUBLE	QTY.	- QUANTITY																																																																																																																																																																																																																																																																																																																																																
DET.	- DETAIL	R	- RISER (STAIR), REACTION																																																																																																																																																																																																																																																																																																																																																
DIA.	- DIAMETER	RAD.	- RADIUS																																																																																																																																																																																																																																																																																																																																																
DWA	- DEFORMED WIRE ANCHOR	REF.	- REFERENCE																																																																																																																																																																																																																																																																																																																																																
DWL(S)	- DOWEL(S)	REINF.	- REINFORCEMENT OR																																																																																																																																																																																																																																																																																																																																																
DWG(S)	- DRAWING(S)	REINFORCING	- REINFORCING																																																																																																																																																																																																																																																																																																																																																
EA.	- EACH	REMAINDER	- REMAINDER																																																																																																																																																																																																																																																																																																																																																
EJ	- EXPANSION JOINT	REQD.	- REQUIRED																																																																																																																																																																																																																																																																																																																																																
EL.	- ELEVATION	REV.	- REVISION																																																																																																																																																																																																																																																																																																																																																
ELEV.	- ELEVATION	RTU	- ROOF TOP UNIT																																																																																																																																																																																																																																																																																																																																																
EMBED.	- EMBEDMENT	SC	- SLIP CRITICAL, SHEAR CONNECTOR(S)																																																																																																																																																																																																																																																																																																																																																
ENGR.	- ENGINEER	SCHED.	- SCHEDULE(D)																																																																																																																																																																																																																																																																																																																																																
EQ.	- EQUAL	SECT.	- SECTION																																																																																																																																																																																																																																																																																																																																																
EQUIP.	- EQUIPMENT	SHT.	- SHEET																																																																																																																																																																																																																																																																																																																																																
EQUIV.	- EQUIVALENT	SHR.	- SHRIMP																																																																																																																																																																																																																																																																																																																																																
EW	- EACH WAY	STRUT.	- STRUCTURE																																																																																																																																																																																																																																																																																																																																																
EXIST.	- EXISTING	SYM.	- SYMMETRICAL																																																																																																																																																																																																																																																																																																																																																
EXP.	- EXPANSION	T	- PLATE THICKNESS																																																																																																																																																																																																																																																																																																																																																
EXT.	- EXTERIOR	THRD.	- THREADED																																																																																																																																																																																																																																																																																																																																																
FA.	- FACE	T.O.	- TOP OF																																																																																																																																																																																																																																																																																																																																																
FAB.	- FABRICATE	TOC	- TOP OF CONCRETE																																																																																																																																																																																																																																																																																																																																																
FC	- 28 DAY CONCRETE	TOM	- TOP OF MASONRY																																																																																																																																																																																																																																																																																																																																																
FC	- STRENGTH =	TOS	- TOP OF STEEL																																																																																																																																																																																																																																																																																																																																																
FD	- FLOOR DRAIN	TR.	- TREAD (STAIR)																																																																																																																																																																																																																																																																																																																																																
FDN.	- FOUNDATION	TYP.	- TYPICAL																																																																																																																																																																																																																																																																																																																																																
FIN.	- FINISHED	U.N.O.	- UNLESS NOTED OTHERWISE																																																																																																																																																																																																																																																																																																																																																
FL.	- FLOOR	VERT.	- VERTICAL																																																																																																																																																																																																																																																																																																																																																
FS	- FAR SIDE	W	- WIDE FLANGE																																																																																																																																																																																																																																																																																																																																																
FTG.	- FOOTING	W	- WITH																																																																																																																																																																																																																																																																																																																																																
FUT.	- FUTURE	WGT.	- WEIGHT																																																																																																																																																																																																																																																																																																																																																
FY	- YIELD STRENGTH =	WP	- WORK POINT																																																																																																																																																																																																																																																																																																																																																
GALV.	- GALVANIZE	W.R.T.	- WITH RESPECTS TO																																																																																																																																																																																																																																																																																																																																																
GEN.	- GENERAL	WS	- WATERSTOP																																																																																																																																																																																																																																																																																																																																																
HGR.	- HANGER	WT	- STEEL TEE SECTION																																																																																																																																																																																																																																																																																																																																																
HORIZ.	- HORIZONTAL	WWR	- WELDED WIRE REINF.																																																																																																																																																																																																																																																																																																																																																
HSA	- HEAD STUD ANCHOR	X-STR	- EXTRA STRONG																																																																																																																																																																																																																																																																																																																																																
HSS	- HOLLOW STRUCTURAL SHAP	XX-STR	- DOUBLE EXTRA STRONG																																																																																																																																																																																																																																																																																																																																																
INT.	- INTERIOR																																																																																																																																																																																																																																																																																																																																																		
JT.	- JOINT																																																																																																																																																																																																																																																																																																																																																		
K	- KIPS (1000 LBS)																																																																																																																																																																																																																																																																																																																																																		
KSF	- KIPS PER SQUARE FOOT																																																																																																																																																																																																																																																																																																																																																		
KSI	- KIPS PER SQUARE INCH																																																																																																																																																																																																																																																																																																																																																		
2L	- DOUBLE ANGLE																																																																																																																																																																																																																																																																																																																																																		
L	- ANGLE																																																																																																																																																																																																																																																																																																																																																		
C	<p>10.05 CONCRETE PILASTERS OR PEDESTALS</p> <ol style="list-style-type: none"> <li>CONCRETE PILASTERS OR PEDESTALS SHALL BE ASSUMED AT ALL FOOTINGS LOWER THAN 2'-0" BELOW SLAB ON GRADE.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
D	<p>10.06 OPERABLE WALLS AND COILING DOOR FRAMING</p> <ol style="list-style-type: none"> <li>ASSUME 75 PLF OF MISCELLANEOUS STEEL PER LINEAR FOOT OF OPERABLE WALL AND/OR COILING DOOR LENGTH.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
E	<p>10.07 EXISTING CONDITIONS</p> <ol style="list-style-type: none"> <li>REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING ANTICIPATED OBSTRUCTIONS. A PRICING ALLOWANCE SHOULD BE MADE FOR THE REMOVAL OF OBSTRUCTIONS WHEN PLACING FOUNDATIONS.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
F	<p>10.08 OPERABLE WALLS AND COILING DOOR FRAMING</p> <ol style="list-style-type: none"> <li>ASSUME 75 PLF OF MISCELLANEOUS STEEL PER LINEAR FOOT OF OPERABLE WALL AND/OR COILING DOOR LENGTH.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
G	<p>10.09 EXISTING CONDITIONS</p> <ol style="list-style-type: none"> <li>REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING ANTICIPATED OBSTRUCTIONS. A PRICING ALLOWANCE SHOULD BE MADE FOR THE REMOVAL OF OBSTRUCTIONS WHEN PLACING FOUNDATIONS.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
H	<p>10.10 EXISTING CONDITIONS</p> <ol style="list-style-type: none"> <li>REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING ANTICIPATED OBSTRUCTIONS. A PRICING ALLOWANCE SHOULD BE MADE FOR THE REMOVAL OF OBSTRUCTIONS WHEN PLACING FOUNDATIONS.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
I	<p>10.11 EXISTING CONDITIONS</p> <ol style="list-style-type: none"> <li>REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING ANTICIPATED OBSTRUCTIONS. A PRICING ALLOWANCE SHOULD BE MADE FOR THE REMOVAL OF OBSTRUCTIONS WHEN PLACING FOUNDATIONS.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
J	<p>10.12 EXISTING CONDITIONS</p> <ol style="list-style-type: none"> <li>REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING ANTICIPATED OBSTRUCTIONS. A PRICING ALLOWANCE SHOULD BE MADE FOR THE REMOVAL OF OBSTRUCTIONS WHEN PLACING FOUNDATIONS.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
K	<p>10.13 EXISTING CONDITIONS</p> <ol style="list-style-type: none"> <li>REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING ANTICIPATED OBSTRUCTIONS. A PRICING ALLOWANCE SHOULD BE MADE FOR THE REMOVAL OF OBSTRUCTIONS WHEN PLACING FOUNDATIONS.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
L	<p>10.14 EXISTING CONDITIONS</p> <ol style="list-style-type: none"> <li>REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING ANTICIPATED OBSTRUCTIONS. A PRICING ALLOWANCE SHOULD BE MADE FOR THE REMOVAL OF OBSTRUCTIONS WHEN PLACING FOUNDATIONS.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
M	<p>10.15 EXISTING CONDITIONS</p> <ol style="list-style-type: none"> <li>REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING ANTICIPATED OBSTRUCTIONS. A PRICING ALLOWANCE SHOULD BE MADE FOR THE REMOVAL OF OBSTRUCTIONS WHEN PLACING FOUNDATIONS.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		
N	<p>10.16 EXISTING CONDITIONS</p> <ol style="list-style-type: none"> <li>REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING ANTICIPATED OBSTRUCTIONS. A PRICING ALLOWANCE SHOULD BE MADE FOR THE REMOVAL OF OBSTRUCTIONS WHEN PLACING FOUNDATIONS.</li> </ol>																																																																																																																																																																																																																																																																																																																																																		



Sykes Consulting, Inc.  
1201 Peachtree Street N.E.  
400 Colony Square, Suite 1650  
Atlanta, Georgia 30309-4305  
Phone: 404.249.1538  
Office Fax: 404.249.9712



JOB NAME:  
Auburn Ave Research Library  
101 Auburn Ave, Atlanta, GA

SHEET NAME:  
STRUCTURAL GENERAL NOTES

THIS DRAWING AND ITS REVISIONS ARE THE PROPERTY OF THE ARCHITECT AND MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.

**FREELON**  
DESIGN + TECHNOLOGY

J.W. ROBINSON & ASSOCIATES, INC. | **FREELON, INC. - JV**  
1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
PHONE: (404) 753-4129 FAX: (404) 753-4435



JOB NO.	201208/2010003.00 AARL
DRAWN, TN	CHECKED: MK
DATE: May 15, 2014	
DATE: June 24, 2014	
REVISIONS: 1	
SHEET NUMBER	S-002

RELEASED FOR CONSTRUCTION







JOB NAME:  
Auburn Ave Research Library  
101 Auburn Ave, Atlanta, GA

SHEET NAME:  
2ND FLOOR PLAN - DEMO

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**FREELON**  
DESIGN + TECHNOLOGY

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PHONE: (404) 753-4129 FAX: (404) 753-4435

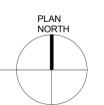


JOB NO.	201208/2010003.00 AARL
DRAWN, TN	CHECKED: MK
DATE: May 15, 2014	REVISIONS: 1
DATE: June 24, 2014	
SHEET NUMBER	
S-102D	



- FRAMING DEMOLITION NOTES:**
- FIELD VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING STRUCTURAL FRAMING PRIOR TO CONSTRUCTION. NOTIFY DESIGN PROFESSIONALS OF ANY DISCREPANCIES.
  - COORDINATE LOCATION OF WALLS TO BE DEMOLISHED WITH ARCHITECTURAL DRAWINGS. COORDINATE EXTENT OF SLAB AT ELEVATOR SHAFT TO BE DEMOLISHED WITH ARCHITECTURAL DRAWINGS (SHOWING SHAFT LOCATION) AND STRUCTURAL DETAILS (SHOWING EXTENT OF SLAB TO BE DEMOLISHED).
  - T.O. SLAB EL. = INDICATES THE TOP OF SLAB ELEVATION RELATIVE TO MEAN FLOOR AS INDICATED ON ARCHITECTURAL DRAWINGS. FIELD VERIFY FLOOR ELEVATION.
  - CONTRACTOR TO VERIFY ALL CONDITIONS REQUIRING SHORING PRIOR TO DEMOLITION.
  - INDICATES PORTION OF EXISTING WALL TO BE DEMOLISHED. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS. SEE STRUCTURAL DETAILS FOR ADDITIONAL WALL WIDTH AND HEIGHT REQUIRED TO BE DEMOLISHED IN ADDITION TO FINAL OPENING SIZE.
  - SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF WALLS & ELEVATOR SHAFT.
  - ALL SHAFT LOCATIONS ARE TO BE FULLY COORDINATED WITH ARCHITECTURAL AND MEP DRAWINGS. PENETRATIONS WITHIN SHAFT SPACE SHALL BE COORDINATED WITH THE EXISTING STRUCTURE AND LOCATED IN SUCH A WAY AS TO AVOID EXISTING WIDE STRUCTURAL BEAMS WHERE STRUCTURE BEAMS ARE REQUIRED TO BE SEVERED BY THE PENETRATIONS. REFER TO S502 FOR ADDITIONAL INFORMATION.
  - INDICATES DUCT PENETRATION BELOW ENTRY LEVEL SLAB. PROVIDE 1/8"x1/2" ANGLE ABOVE NEW DUCT W/ 3/4" EPOXY ANCHORS AT 9" O.C. (5" EMBED). PROVIDE ANGLE ON EACH SIDE OF WALL AND EXTEND ANGLES 2'-0" BEYOND NEW OPENING. FIELD VERIFY CONDITION OF WALL. APPLY EPOXY GROUT IN WALL TO ASSURE VOIDS ARE FILLED. SEE 9/55.02 FOR ADDITIONAL INFORMATION.
  - REFER TO SHEET S401 FOR REQUIRED WALL RETROFIT DETAILS.
  - INDICATES PORTION OF EXISTING SLAB TO BE DEMOLISHED. COORDINATE EXTENT OF DEMOLITION WITH ARCHITECT.
- A. REMOVE EXISTING ROOF FRAMING.  
 B. DEMOLISH PORTION OF WALL TO CREATE EGRESS DOOR. SHORE AS REQUIRED.  
 C. REMOVE EXISTING FREIGHT ELEVATOR SHAFT WALL. SHORE AS REQUIRED.  
 D. REMOVE EXISTING FRAMING AND SLAB. COORDINATE WITH ARCH.  
 E. REMOVE ROOFING AND DECK. COORDINATE WITH ARCH.  
 F. DEMOLISH BEAM BY REMOVING BEAM AND CONNECTIONS FROM COLUMN.  
 G. COLUMN TO REMAIN BUT CONTRACTOR TO PROVIDE TEMPORARY BRACING FOR COLUMN UNTIL NEW FRAMING IS IN PLACE.

1  
S-102D  
2ND FLOOR PLAN - DEMO  
1/8" = 1'-0"









JOB NAME:  
Auburn Ave Research Library  
101 Auburn Ave, Atlanta, GA

SHEET NAME:  
4TH FLOOR PLAN - DEMO

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**FREELON**  
DESIGN + TECHNOLOGY

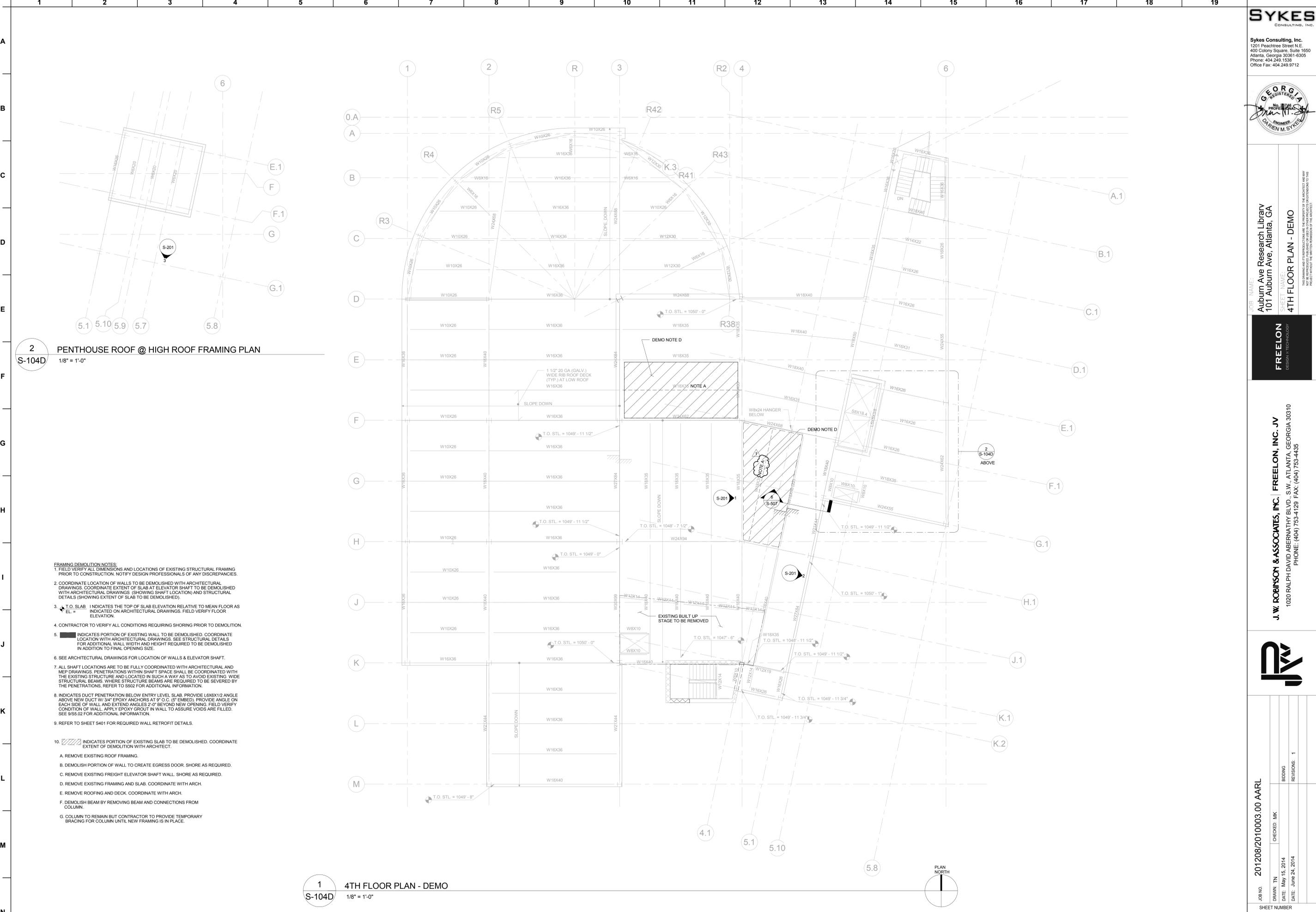
**J.W. ROBINSON & ASSOCIATES, INC. | FREELON, INC. JV**  
1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
PHONE: (404) 753-4129 FAX: (404) 753-4435



JOB NO. 201208/2010003.00 AARL

DRAWN: TN	CHECKED: MK
DATE: May 15, 2014	REVISIONS: 1
DATE: June 24, 2014	

SHEET NUMBER  
S-104D



**2**  
S-104D  
**PENTHOUSE ROOF @ HIGH ROOF FRAMING PLAN**  
1/8" = 1'-0"

**1**  
S-104D  
**4TH FLOOR PLAN - DEMO**  
1/8" = 1'-0"

- FRAMING DEMOLITION NOTES:**
- FIELD VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING STRUCTURAL FRAMING PRIOR TO CONSTRUCTION. NOTIFY DESIGN PROFESSIONALS OF ANY DISCREPANCIES.
  - COORDINATE LOCATION OF WALLS TO BE DEMOLISHED WITH ARCHITECTURAL DRAWINGS. COORDINATE EXTENT OF SLAB AT ELEVATOR SHAFT TO BE DEMOLISHED WITH ARCHITECTURAL DRAWINGS (SHOWING SHAFT LOCATION) AND STRUCTURAL DETAILS (SHOWING EXTENT OF SLAB TO BE DEMOLISHED).
  - T.O. SLAB EL. = INDICATES THE TOP OF SLAB ELEVATION RELATIVE TO MEAN FLOOR AS INDICATED ON ARCHITECTURAL DRAWINGS. FIELD VERIFY FLOOR ELEVATION.
  - CONTRACTOR TO VERIFY ALL CONDITIONS REQUIRING SHORING PRIOR TO DEMOLITION.
  - INDICATES PORTION OF EXISTING WALL TO BE DEMOLISHED. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS. SEE STRUCTURAL DETAILS FOR ADDITIONAL WALL WIDTH AND HEIGHT REQUIRED TO BE DEMOLISHED IN ADDITION TO FINAL OPENING SIZE.
  - SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF WALLS & ELEVATOR SHAFT.
  - ALL SHAFT LOCATIONS ARE TO BE FULLY COORDINATED WITH ARCHITECTURAL AND MEP DRAWINGS. PENETRATIONS WITHIN SHAFT SPACE SHALL BE COORDINATED WITH THE EXISTING STRUCTURE AND LOCATED IN SUCH A WAY AS TO AVOID EXISTING WIDE STRUCTURAL BEAMS. WHERE STRUCTURE BEAMS ARE REQUIRED TO BE SEVERED BY THE PENETRATIONS, REFER TO S302 FOR ADDITIONAL INFORMATION.
  - INDICATES DUCT PENETRATION BELOW ENTRY LEVEL SLAB. PROVIDE 6x6x1/2 ANGLE ABOVE NEW DUCT W/ 3/4" EPOXY ANCHORS AT 9" O.C. (5" EMBED). PROVIDE ANGLE ON EACH SIDE OF WALL AND EXTEND ANGLES 2'-0" BEYOND NEW OPENING. FIELD VERIFY CONDITION OF WALL. APPLY EPOXY GROUT IN WALL TO ASSURE VOIDS ARE FILLED. SEE S155.02 FOR ADDITIONAL INFORMATION.
  - REFER TO SHEET S401 FOR REQUIRED WALL RETROFIT DETAILS.
  - INDICATES PORTION OF EXISTING SLAB TO BE DEMOLISHED. COORDINATE EXTENT OF DEMOLITION WITH ARCHITECT.
- A. REMOVE EXISTING ROOF FRAMING.  
B. DEMOLISH PORTION OF WALL TO CREATE EGRESS DOOR. SHORE AS REQUIRED.  
C. REMOVE EXISTING FREIGHT ELEVATOR SHAFT WALL. SHORE AS REQUIRED.  
D. REMOVE EXISTING FRAMING AND SLAB. COORDINATE WITH ARCH.  
E. REMOVE ROOFING AND DECK. COORDINATE WITH ARCH.  
F. DEMOLISH BEAM BY REMOVING BEAM AND CONNECTIONS FROM COLUMN.  
G. COLUMN TO REMAIN BUT CONTRACTOR TO PROVIDE TEMPORARY BRACING FOR COLUMN UNTIL NEW FRAMING IS IN PLACE.

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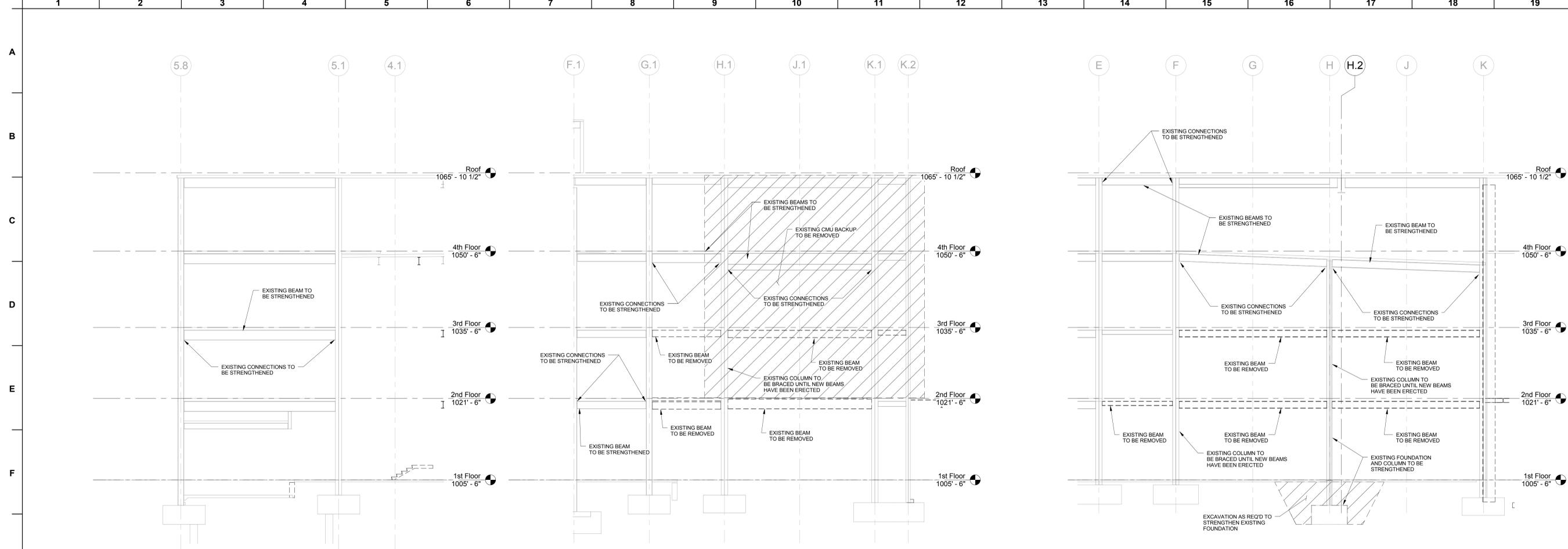
SHEET NAME:  
BUILDING ELEVATIONS

**FREELON**  
DESIGN + TECHNOLOGY

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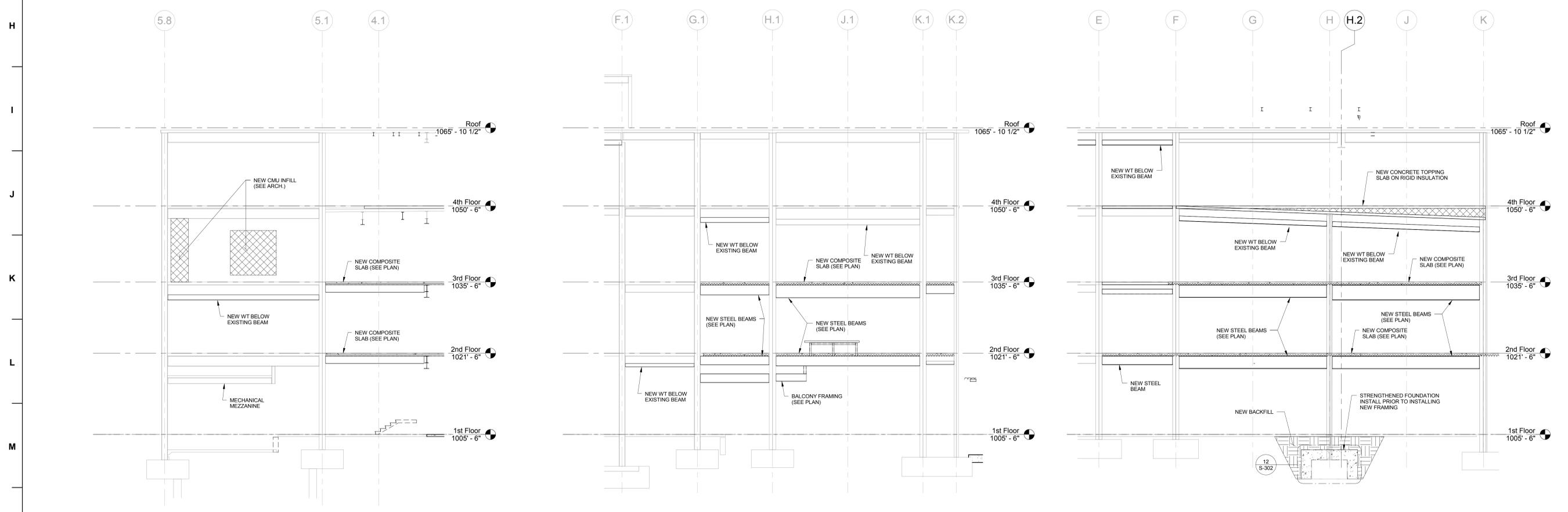
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DRAWN: Author	CHECKED: Checker
DATE: May 15, 2014	REVISIONS:
DATE:	
SHEET NUMBER	S-201



**3**  
S-201 BUILDING ELEVATION ALONG GRIDLINE G.1 (DEMO)  
1/8" = 1'-0"

**2**  
S-201 BUILDING ELEVATION ALONG GRIDLINE 5.1 (DEMO)  
1/8" = 1'-0"

**1**  
S-201 BUILDING ELEVATION ALONG GRIDLINE 4 (DEMO)  
1/8" = 1'-0"



**6**  
S-201 BUILDING ELEVATION ALONG GRIDLINE G.1 (NEW)  
1/8" = 1'-0"

**5**  
S-201 BUILDING ELEVATION ALONG GRIDLINE 5.1 (NEW)  
1/8" = 1'-0"

**4**  
S-201 BUILDING ELEVATION ALONG GRIDLINE 4 (NEW)  
1/8" = 1'-0"

RELEASED FOR CONSTRUCTION





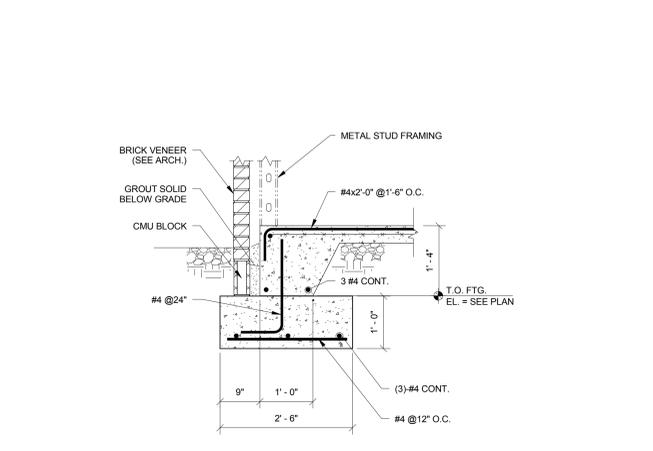
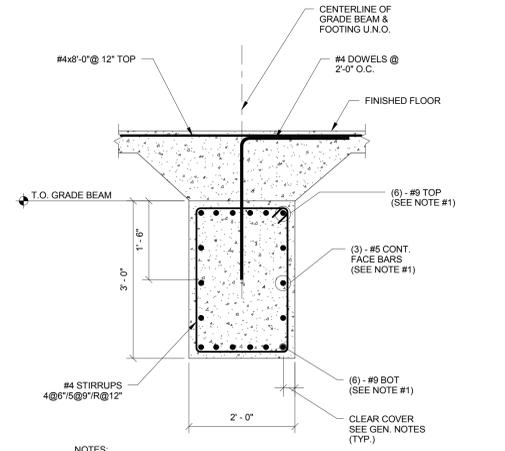
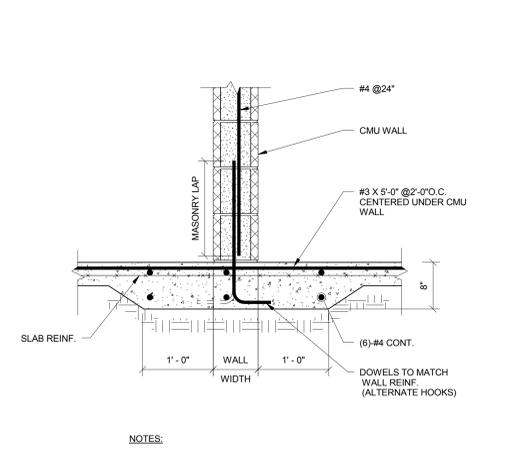
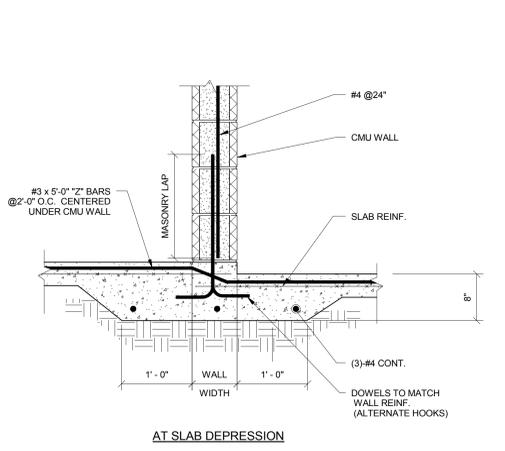
JOB NAME: Auburn Ave Research Library  
101 Auburn Ave, Atlanta, GA  
SHEET NAME: TYPICAL FOUNDATION DETAILS  
ADDENDUM #1  
08/17/2011

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DRAWN, TN	CHECKED, MK
DATE: May 15, 2014	REVISIONS: 1
DATE: June 24, 2014	
SHEET NUMBER	S-302

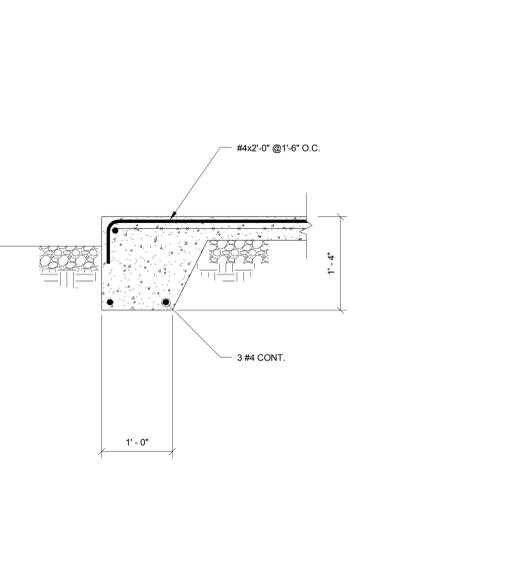
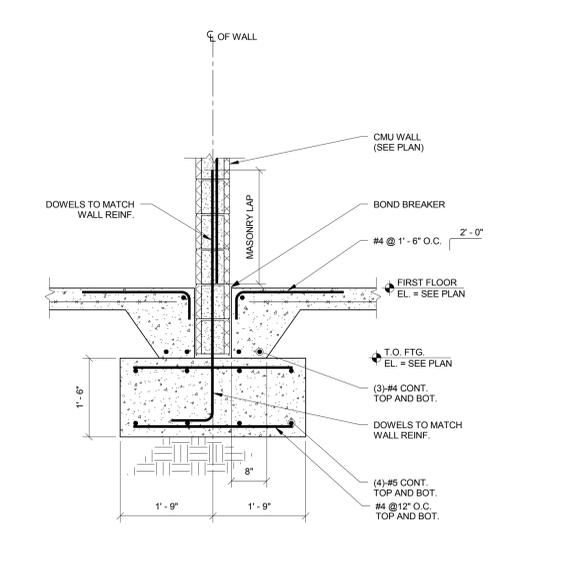
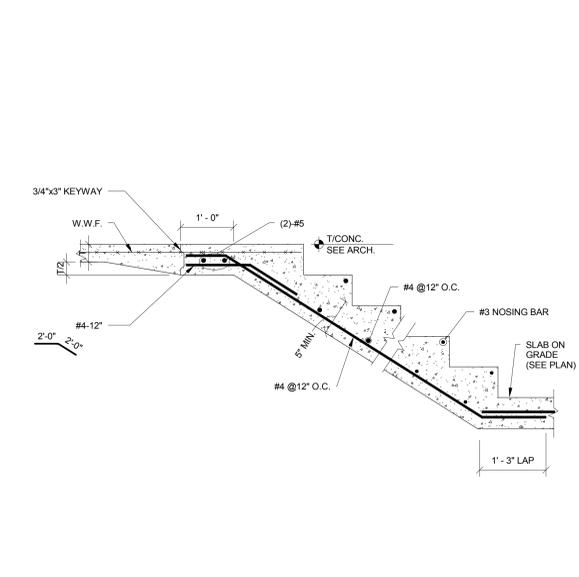


1 TYPICAL THICKENED SLAB ON GRADE DETAILS (AT NON-BEARING WALLS)  
1" = 1'-0"

2 TYPICAL THICKENED SLAB ON GRADE DETAILS (AT NON-BEARING WALLS)  
1" = 1'-0"

3 TYPICAL GRADE BEAM SECTION  
3/4" = 1'-0"

4 FOUNDATION DETAIL AT METAL STUD BACKUP  
3/4" = 1'-0"

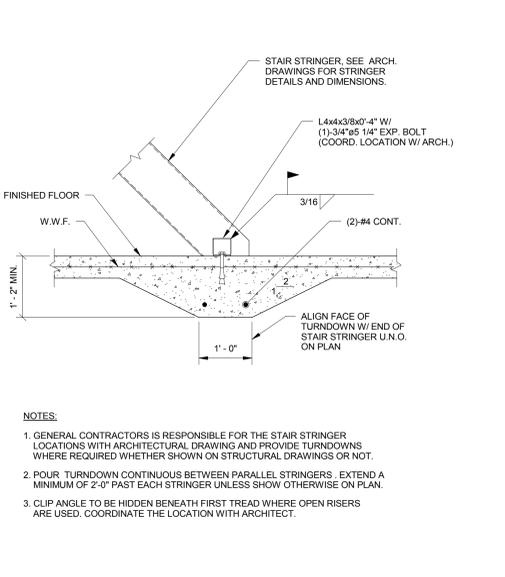
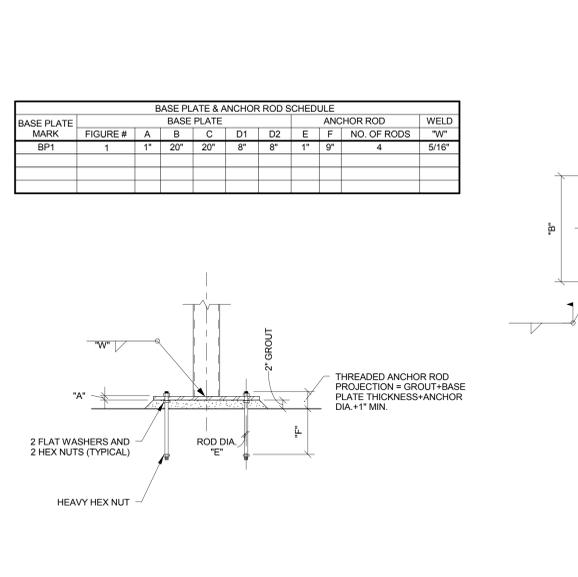
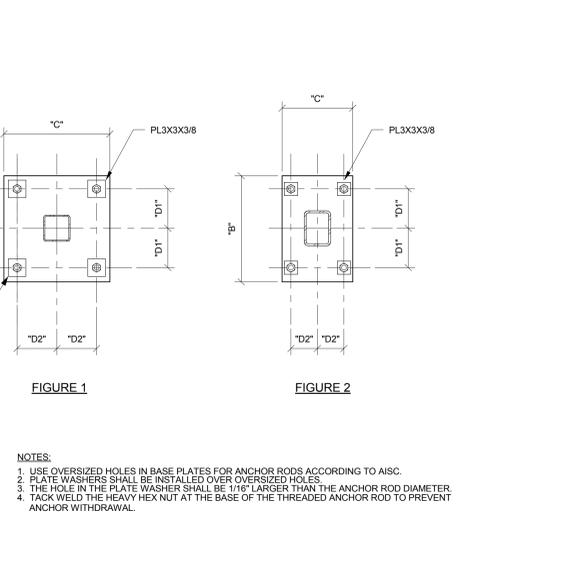


5 TYPICAL SECTION AT STAIR ON GRADE  
3/4" = 1'-0"

6 CONTINUOUS FOOTING AT INTERIOR MASONRY SHEARWALL  
3/4" = 1'-0"

7 DETAIL AT SLAB TURNDOWN  
1" = 1'-0"

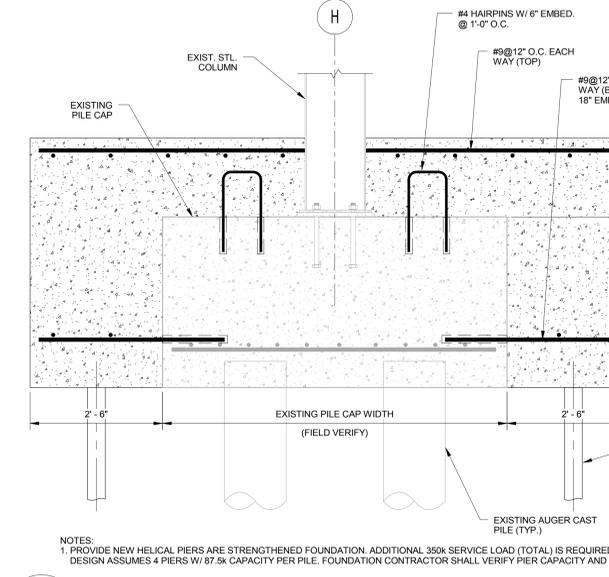
8 DETAIL AT SCREEN WALL  
3/4" = 1'-0"



9 BASE PLATE AND ANCHOR ROD SCHEDULE FOR HSS COLUMN  
3/4" = 1'-0"

10 BASE PLATE AND ANCHOR ROD SCHEDULE FOR HSS COLUMN  
3/4" = 1'-0"

11 THICKENED SLAB AT STAIR STRINGERS  
3/4" = 1'-0"



12 SECTION AT FOUNDATION STRENGTHENING  
3/4" = 1'-0"

**SYKES**  
CONSULTING, INC.

Sykes Consulting, Inc.  
1201 Peachtree Street N.E.  
400 Colony Square, Suite 1650  
Atlanta, Georgia 30309-4305  
Phone: 404.249.1538  
Office Fax: 404.249.9712

**REGISTERED**  
No. 2745  
Professional Engineer  
DARREN M. SYKES

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SHEET NAME:  
TYPICAL FOUNDATION DETAILS

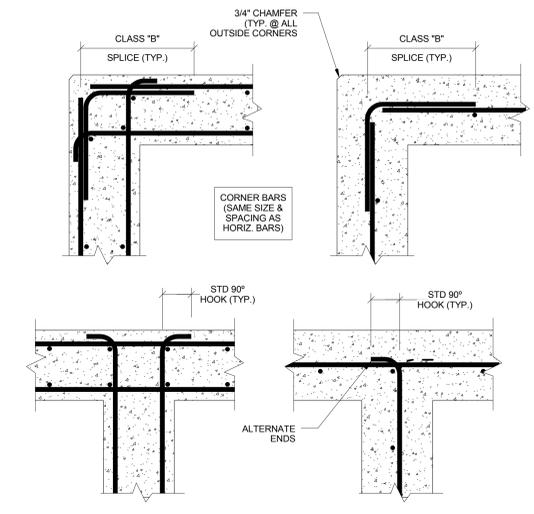
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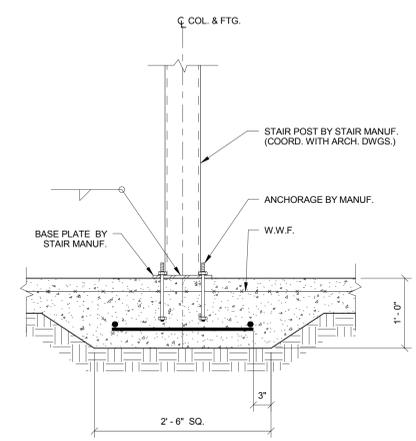
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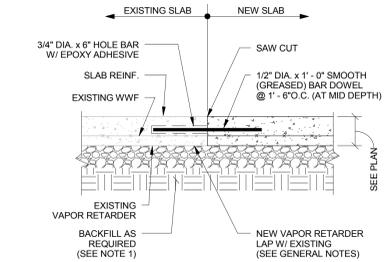
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DRAWN	Author
CHECKED	Checker
DATE	May 15, 2014
REVISIONS	1
DATE	June 24, 2014
SHEET NUMBER	S-303



**1**  
S-303  
TYPICAL CONCRETE WALL INTERSECTION AND CORNER  
1 1/2" = 1'-0"

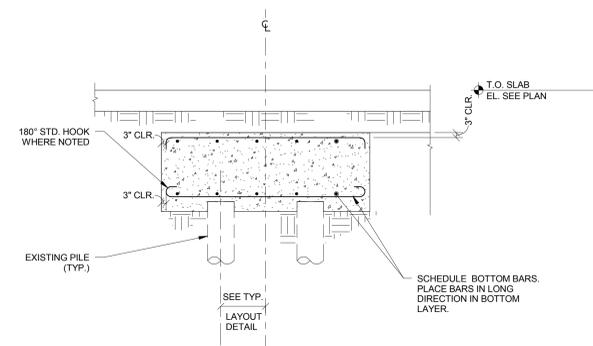


**2**  
S-303  
TYPICAL THICKENED SLAB AT STAIR POSTS  
1" = 1'-0"



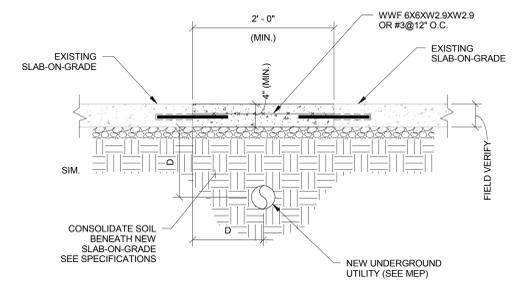
**3**  
S-303  
TYPICAL SLAB ON GRADE CONNECTION  
1" = 1'-0"

NOTE:  
1. REMOVE EXISTING CONCRETE AND DEBRIS AND PLACE NEW SOIL BELOW NEW SLAB-ON-GRADE.  
2. LIGHTLY COAT THE EXPOSED END OF THE DOWELS WITH A PARAFFIN-BASED LUBRICANT ASPHALT EMULSION, FORM OIL OR GREASE IMMEDIATELY BEFORE PLACING CONCRETE ON THE SECOND SIDE OF THE JOINT OR USE A PLASTIC OR METAL SLEEVE SPECIFICALLY MANUFACTURED FOR THIS PURPOSE, TO PREVENT A BOND BETWEEN THE DOWEL AND THE CONCRETE.



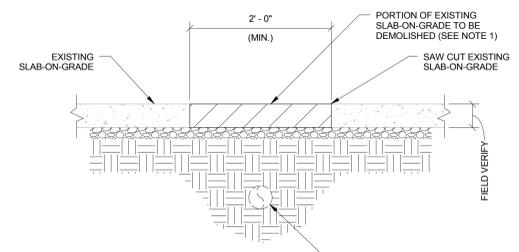
**4**  
S-303  
NEW PILE CAP AT EXISTING AUGERCAST PILES  
3/8" = 1'-0"

NOTES:  
1. SEE DETAIL 2/S-305 FOR PILE CAP SIZE AND REINFORCEMENT.



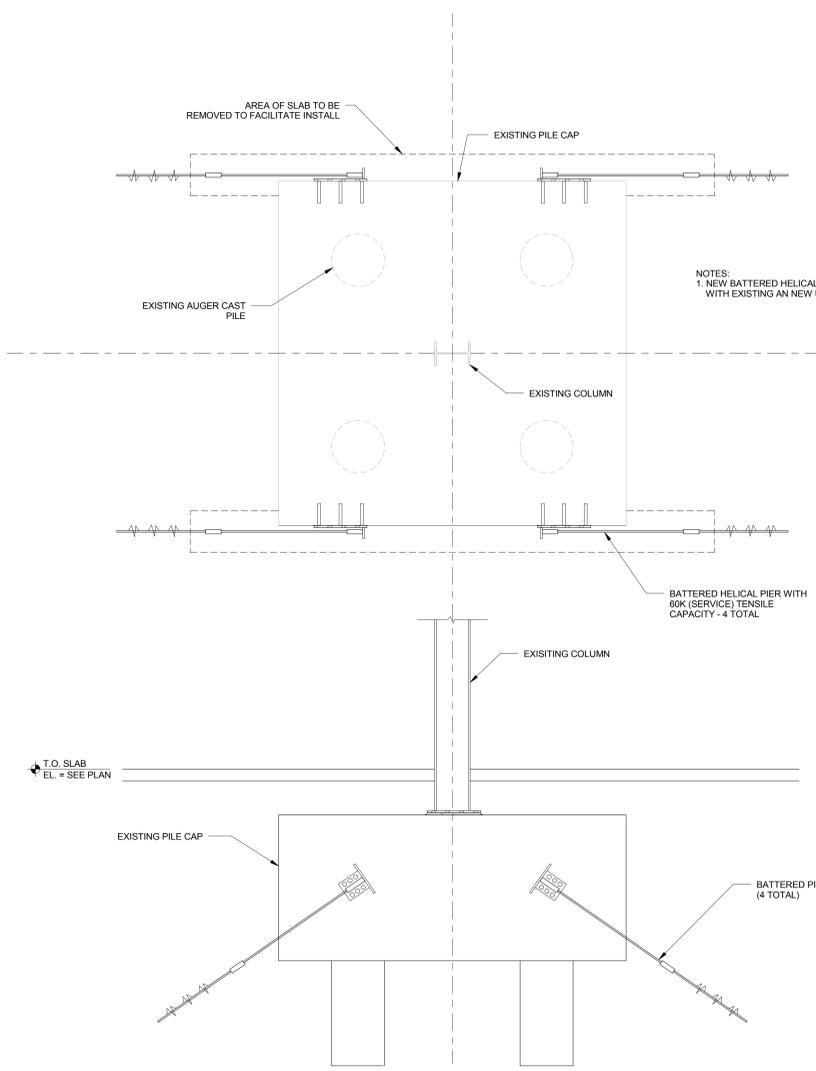
**6**  
S-303  
SLAB REPLACEMENT AT NEW UNDERGROUND UTILITY (TYPICAL)  
1" = 1'-0"

NOTES:  
1. DISTANCE FROM CENTER OF UNDERGROUND UTILITY TO EDGE OF NEW SLAB SHALL NOT BE LESS THAN THE DEPTH 'D' FROM THE BOTTOM OF THE SLAB-ON-GRADE TO THE CENTER OF THE UNDERGROUND UTILITY.  
2. CUT THE EXISTING SLAB-ON-GRADE 2' - 0" (MIN.) AT NEW UNDERGROUND UTILITY. CONTRACTOR TO DETERMINE THE EXTENT OF THE SLAB DEMOLITION REQUIRED BASED ON THE UNDERGROUND UTILITY DRAWINGS PROVIDED BY MEP.



**5**  
S-303  
SLAB DEMOLITION AT NEW UNDERGROUND UTILITY (TYPICAL)  
1" = 1'-0"

NOTES:  
1. CUT THE EXISTING SLAB-ON-GRADE 2' - 0" (MIN.) AT NEW UNDERGROUND UTILITY. CONTRACTOR TO DETERMINE THE EXTENT OF THE SLAB DEMOLITION REQUIRED BASED ON THE UNDERGROUND UTILITY DRAWING PROVIDED BY MEP.



**7**  
S-303  
TYPICAL FOUNDATION STRENGTHENING DETAIL  
1/2" = 1'-0"



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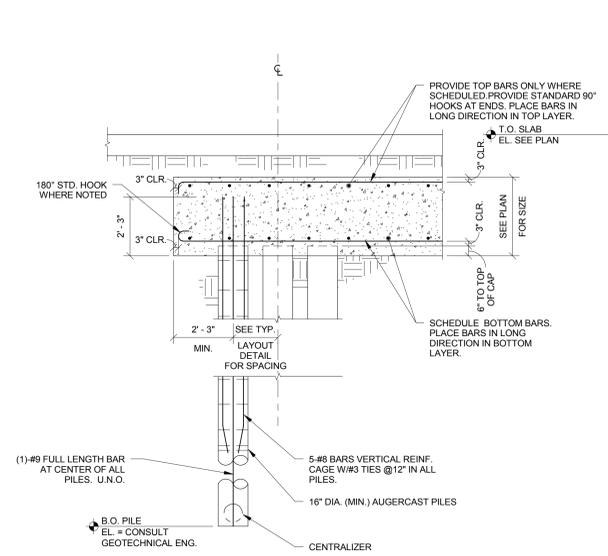


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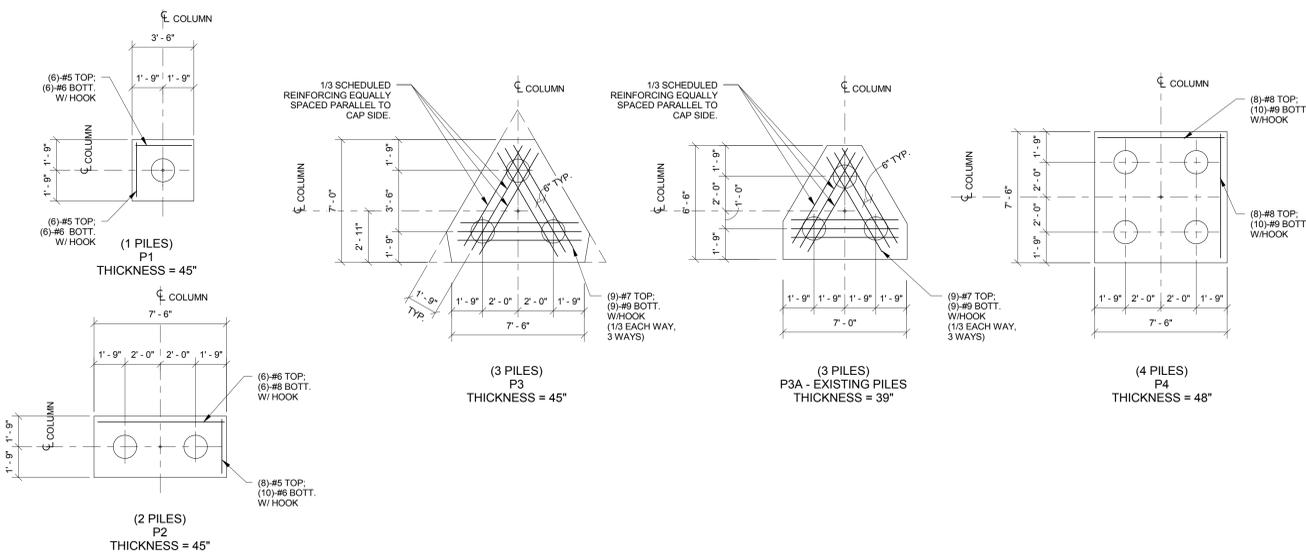
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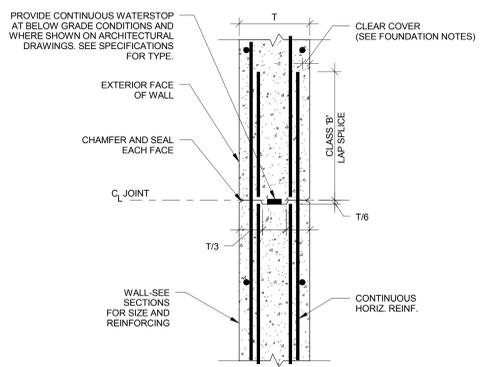
S-304



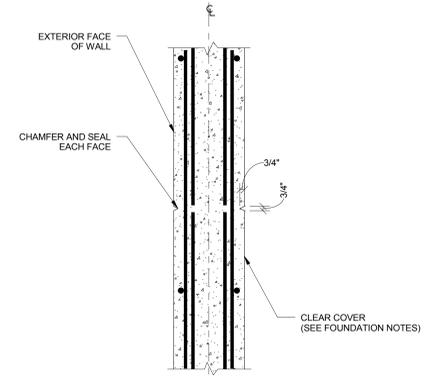
**3** TYPICAL AUGERCAST PILE DETAIL  
S-304 3/8" = 1'-0"



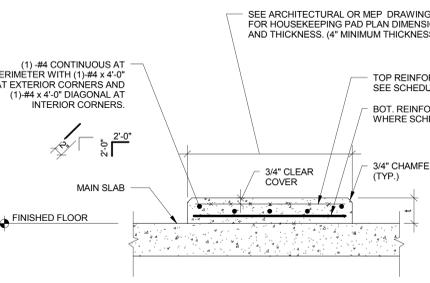
**2** PILE CAP PLANS, THICKNESS, AND REINFORCEMENT  
S-304 1/4" = 1'-0"



**8** TYPICAL CONCRETE WALL CONSTRUCTION JOINT  
S-304 1" = 1'-0"



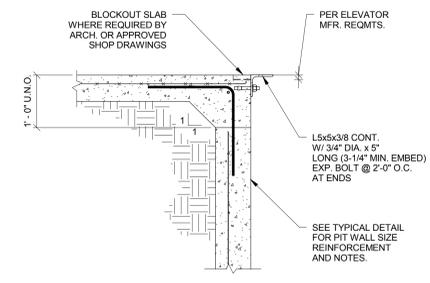
**7** TYPICAL CONCRETE WALL CONTROL JOINT  
S-304 1" = 1'-0"



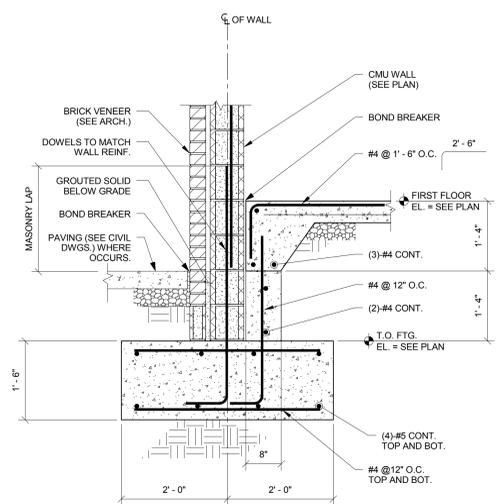
**6** CONCRETE EQUIPMENT PAD  
S-304 3/4" = 1'-0"

HOUSEKEEPING PAD REINFORCING SCHEDULE

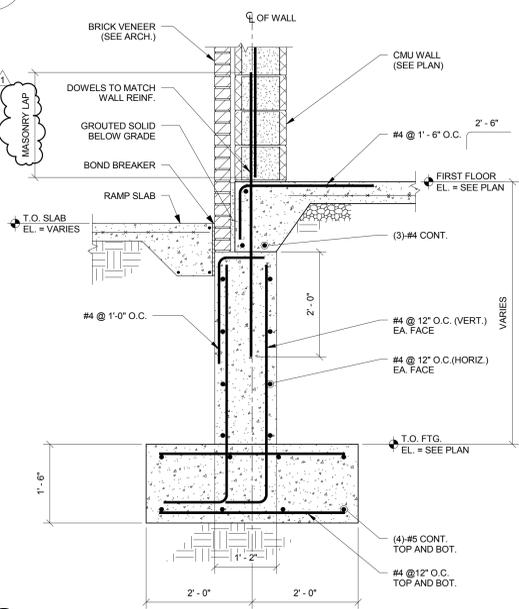
PAD THICKNESS	TOP REINFORCEMENT	BOTT. REINF.
1' <= 4'	6"x6"W2.9 x W2.9	NONE
4' < 1' <= 6'	4"x4"W4.0 x W4.0	NONE
6' < 1' <= 8'	4"x4"W5.5 x W5.5	NONE
8' < 1' <= 12'	#4 @12"EW	#3 @18"EW
12' < 1' <= 16'	#4 @12"EW	#4 @12"EW



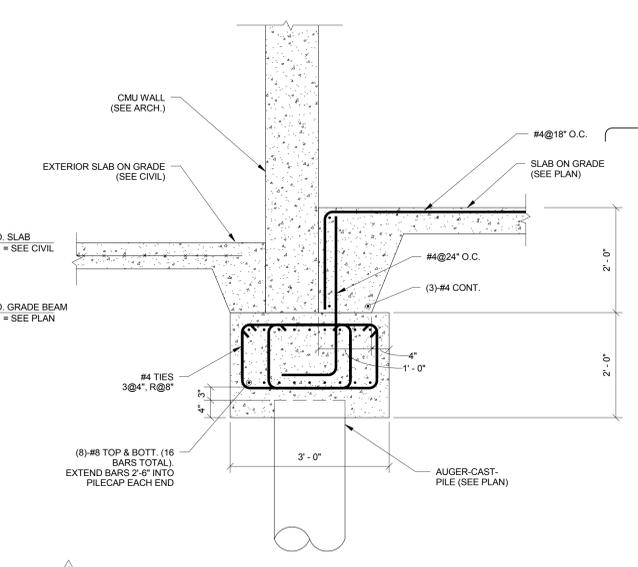
**5** TYPICAL ELEVATOR SILL ANGLE  
S-304 3/4" = 1'-0"



**12** EXTERIOR BLOCK WALL AT STEP  
S-304 3/4" = 1'-0"



**11** EXTERIOR BLOCK WALL AT RAMP  
S-304 3/4" = 1'-0"



**10** DETAIL AT EXTERIOR BLOCK WALL  
S-304 3/4" = 1'-0"

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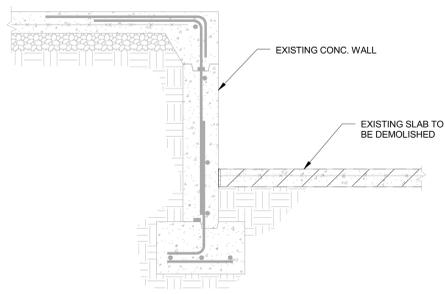
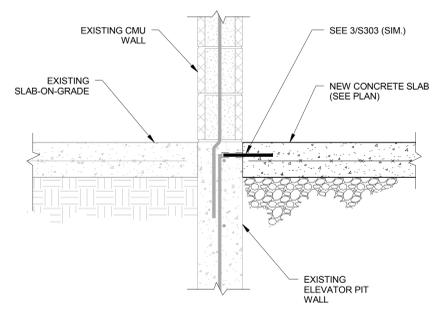
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DATE	June 24, 2014
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SHEET NUMBER	S-305

CLASS "B" LAP SPLICE LENGTH SCHEDULE (INCHES)																				
BAR SIZE	f <sub>c</sub> = 3000 PSI				f <sub>c</sub> = 4000 PSI				f <sub>c</sub> = 5000 PSI				f <sub>c</sub> = 6000 PSI				f <sub>c</sub> = 7000 PSI			
	FOOTINGS	WALLS	SLABS/ BEAMS (BOTTOM)	SLABS/ BEAMS (TOP)	FOOTINGS	WALLS	SLABS/ BEAMS (BOTTOM)	SLABS/ BEAMS (TOP)	FOOTINGS	WALLS	SLABS/ BEAMS (BOTTOM)	SLABS/ BEAMS (TOP)	FOOTINGS	WALLS	SLABS/ BEAMS (BOTTOM)	SLABS/ BEAMS (TOP)	FOOTINGS	WALLS	SLABS/ BEAMS (BOTTOM)	SLABS/ BEAMS (TOP)
#3	17	22	22	28	15	19	19	24	13	17	17	22	12	15	15	20	11	14	14	18
#4	22	29	29	37	19	25	25	32	17	22	22	29	15	20	20	26	14	19	19	24
#5	28	36	36	47	24	31	31	40	22	28	28	36	19	25	25	33	18	23	23	30
#6	33	43	43	56	29	37	37	48	26	33	33	43	23	30	30	39	22	28	28	36
#7	48	63	63	81	42	54	54	70	38	49	49	63	34	44	44	57	31	41	41	53
#8	55	72	72	91	48	62	62	80	43	56	56	72	39	50	50	65	36	47	47	61
#9	62	81	81	105	54	70	70	91	48	62	62	81	44	57	57	74	40	53	53	68
#10	70	91	91	119	61	80	80	103	54	71	71	92	49	64	64	83	46	59	59	77

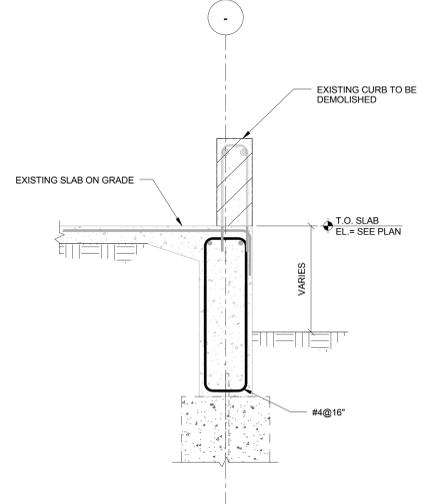
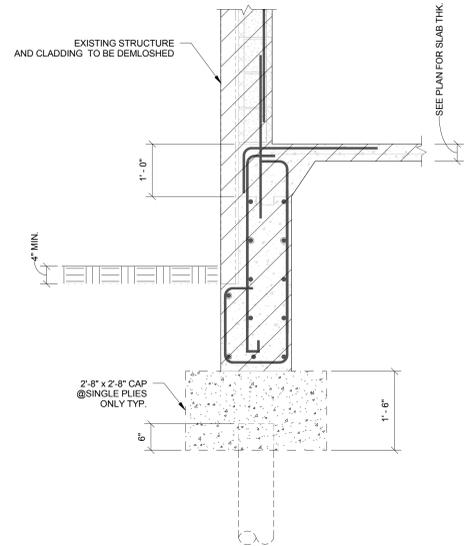
NOTES:  
1. IF LIGHTWEIGHT AGGREGATE CONCRETE IS USED, MULTIPLY TABLE VALUES BY 1.3.  
2. REBAR IS ASSUMED TO BE UNCOATED (NO EPOXY COATING).



4 SECTION AT SLAB WALL  
S-305 1" = 1'-0"

3 SECTION  
S-305 3/4" = 1'-0"

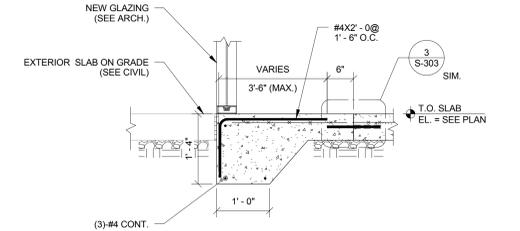
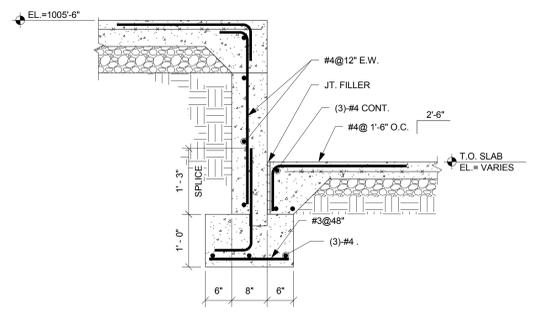
2 CLASS "B" LAP SPLICE LENGTH SCHEDULE  
S-305 12" = 1'-0"



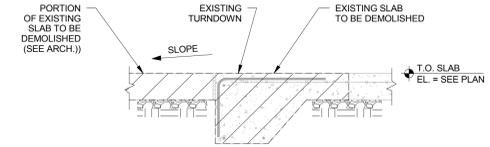
8 SECTION  
S-305 3/4" = 1'-0"

7 SECTION  
S-305 3/4" = 1'-0"

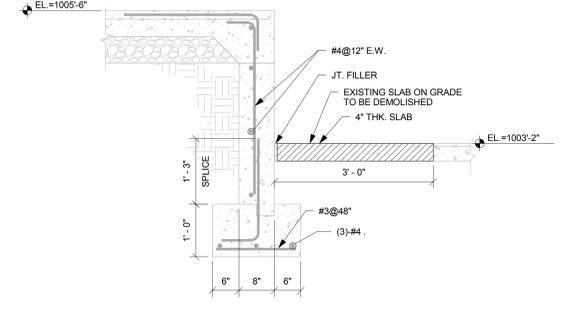
6 SECTION  
S-305 3/4" = 1'-0"



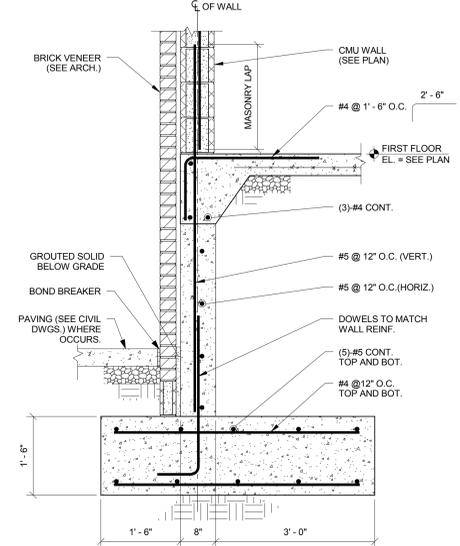
5 SECTION AT ENTRY  
S-305 3/4" = 1'-0"



11 SECTION AT ENTRY (DEMO)  
S-305 3/4" = 1'-0"



10 SECTION  
S-305 3/4" = 1'-0"



9 SECTION RELEASED FOR CONSTRUCTION  
S-305 3/4" = 1'-0"



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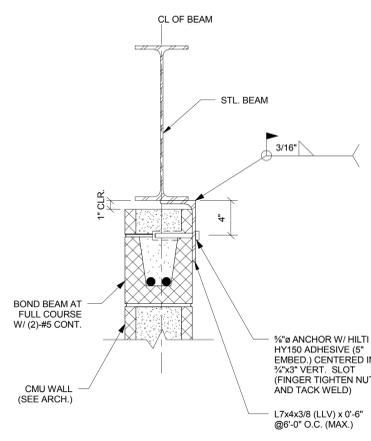
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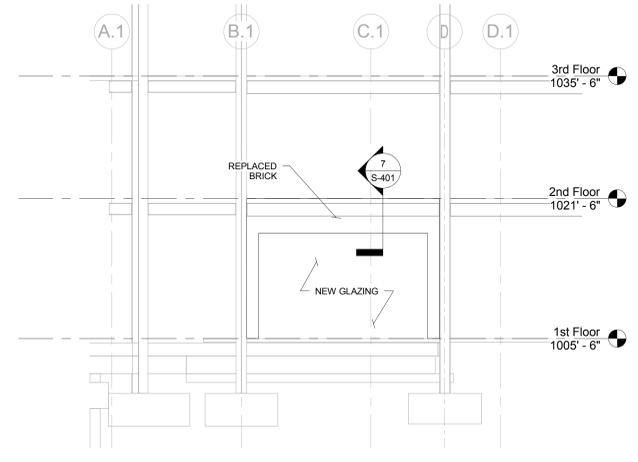
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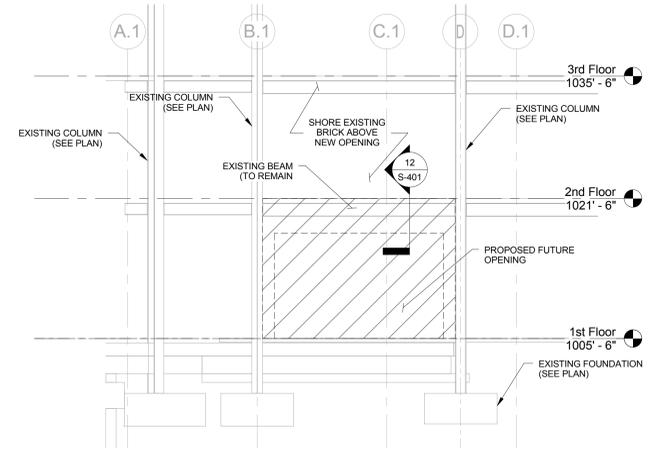
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DATE: June 24, 2014	
SHEET NUMBER	
S-402	



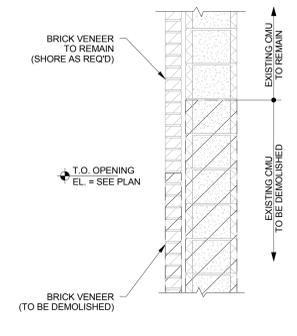
**4**  
S-402  
NON-STRUCTURAL CMU BRACING (BOTTOM CONDITION)  
1 1/2" = 1'-0"



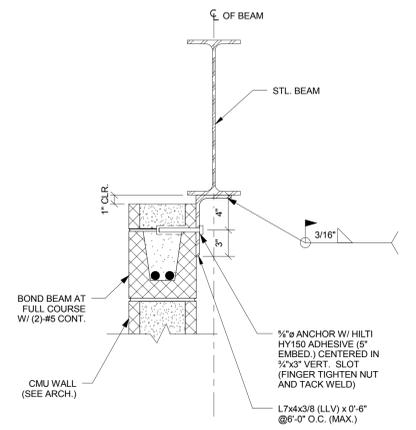
**3**  
S-402  
ELEVATION AT NEW CAFE WINDOW  
1/8" = 1'-0"



**2**  
S-402  
ELEVATION AT CAFE WINDOW (DEMO)  
1/8" = 1'-0"



**1**  
S-402  
SECTION AT NEW OPENING (DEMO)  
3/4" = 1'-0"



**5**  
S-402  
NON-STRUCTURAL CMU BRACING (SIDE CONDITION)  
1 1/2" = 1'-0"



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SHEET NAME:  
STEEL FRAMING DETAILS

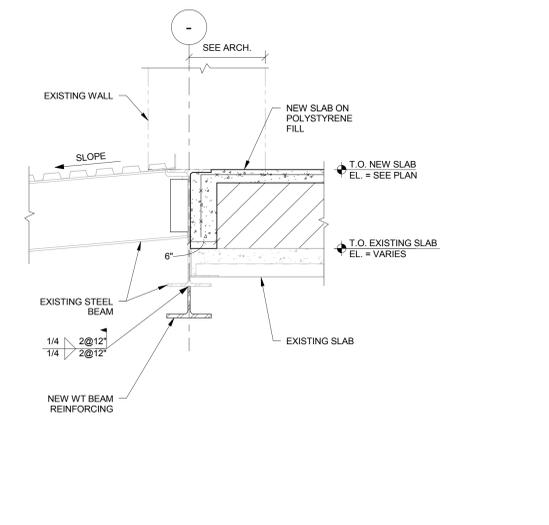
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**FREELON**  
DESIGN + TECHNOLOGY

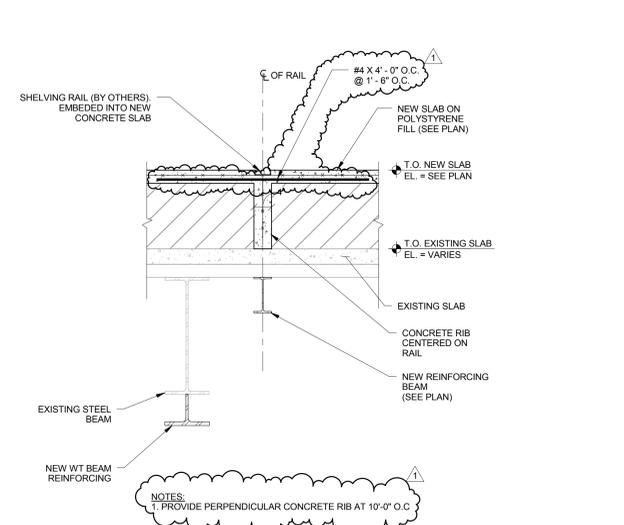
J.W. ROBINSON & ASSOCIATES, INC. | **FREELON, INC. JV**  
1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
PHONE: (404) 753-4129 FAX: (404) 753-4435



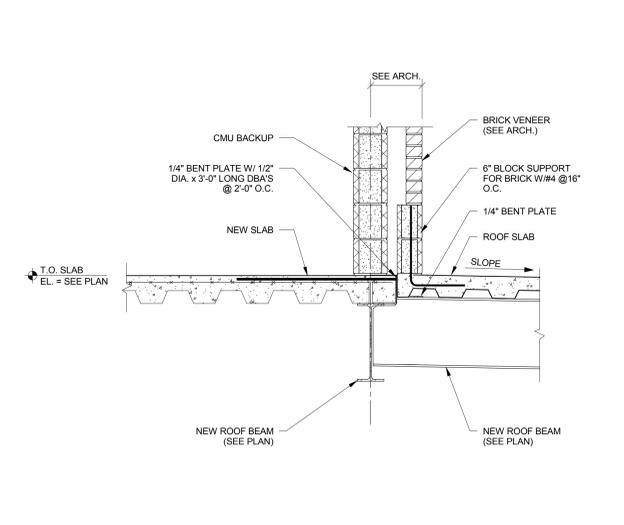
JOB NO.	201208/2010003.00 AARL
DRAWN BY	Author
CHECKED BY	Checker
DATE	May 15, 2014
REVISIONS	1
DATE	June 24, 2014
SHEET NUMBER	1



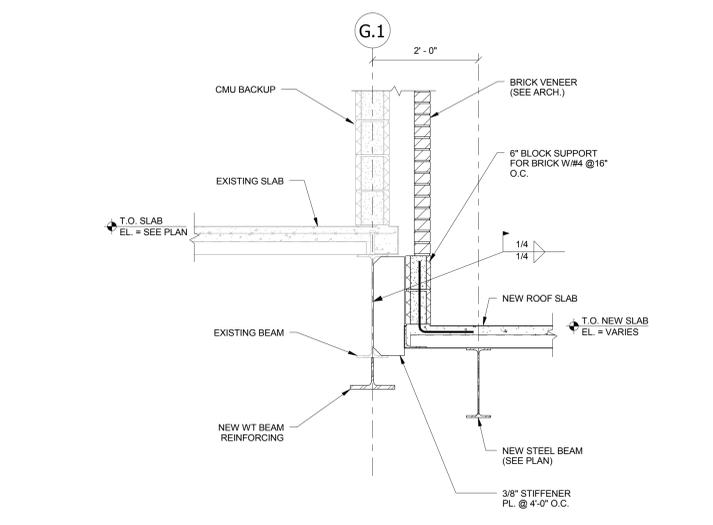
**1** DETAIL AT EXISTING AUDITORIUM SLAB STEP  
S-505 3/4" = 1'-0"



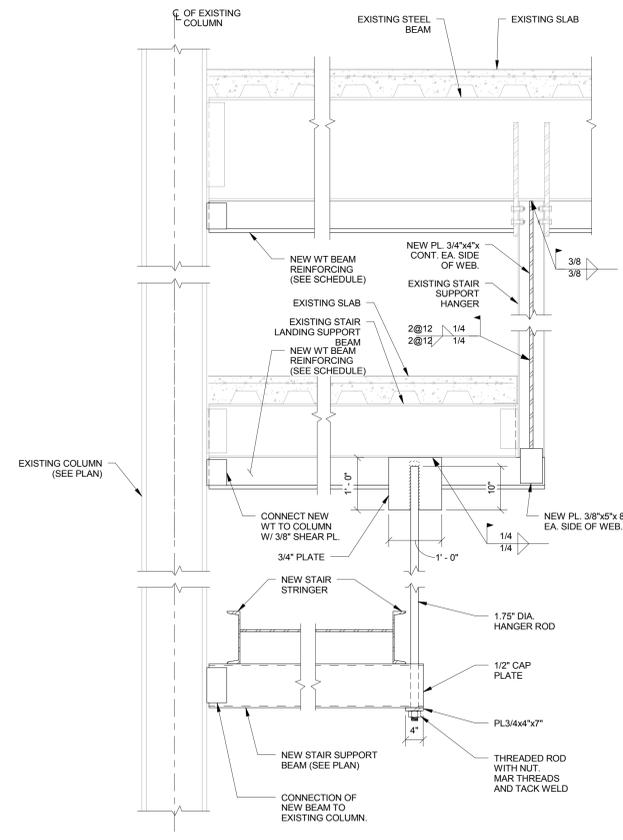
**2** DETAIL AT EXISTING AUDITORIUM SLAB  
S-505 3/4" = 1'-0"



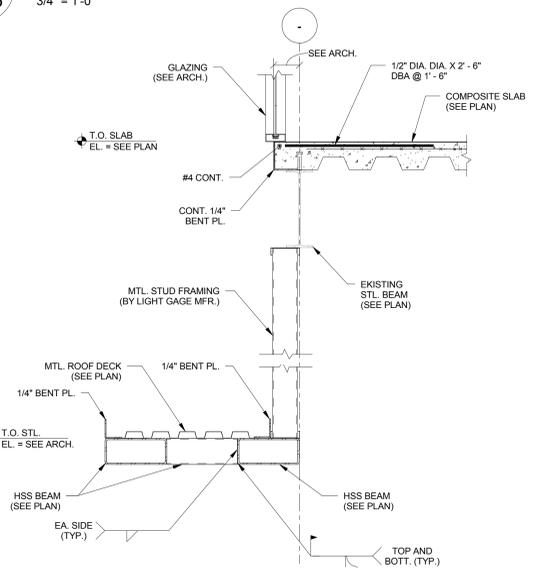
**3** DETAIL AT NEW ROOF STEP  
S-505 3/4" = 1'-0"



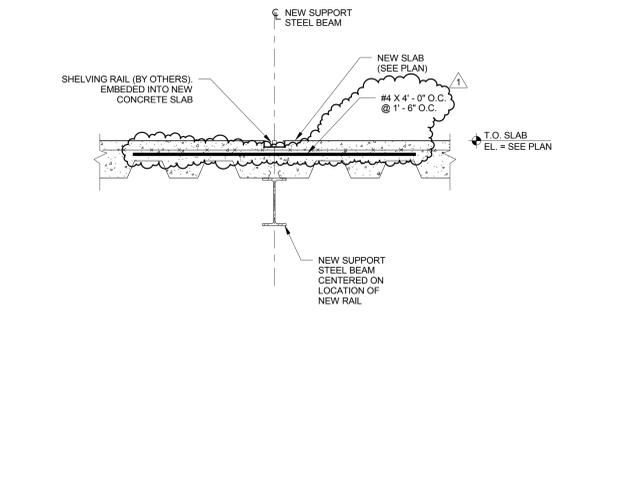
**4** DETAIL ALONG NEW ROOF EDGE  
S-505 3/4" = 1'-0"



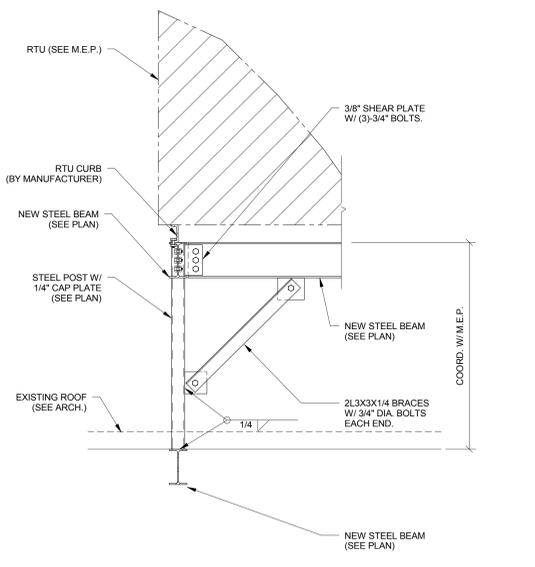
**9** DETAIL AT NEW STAIR HANGER SUPPORT  
S-505 3/4" = 1'-0"



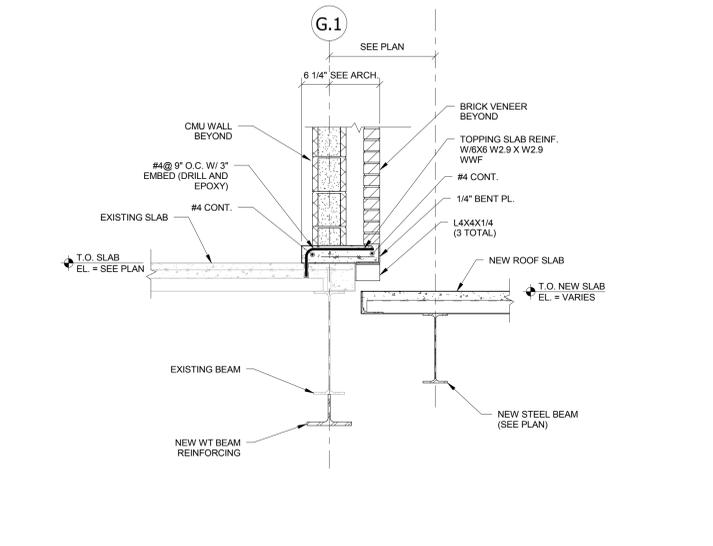
**5** SECTION AT CANOPY  
S-505 3/4" = 1'-0"



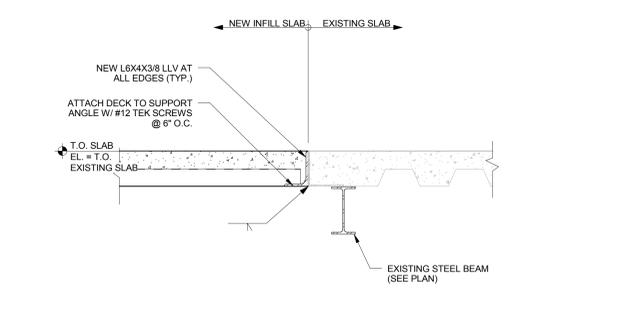
**7** DETAIL AT MOBILE SHELVING RAIL  
S-505 1" = 1'-0"



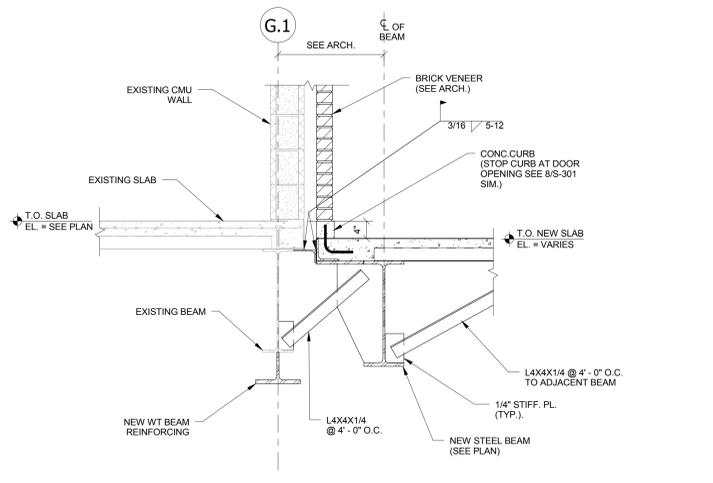
**10** DETAIL AT RTU SUPPORT POST  
S-505 3/4" = 1'-0"



**8** DETAIL 2 ALONG NEW ROOF EDGE  
S-505 3/4" = 1'-0"



**11** DETAIL AT NEW INFILL SLAB  
S-505 1" = 1'-0"



**12** DETAIL ALONG NEW ROOF EDGE (AT DOOR)  
S-505 3/4" = 1'-0"

RELEASED FOR CONSTRUCTION



JOB NAME:  
Auburn Ave Research Library  
101 Auburn Ave, Atlanta, GA

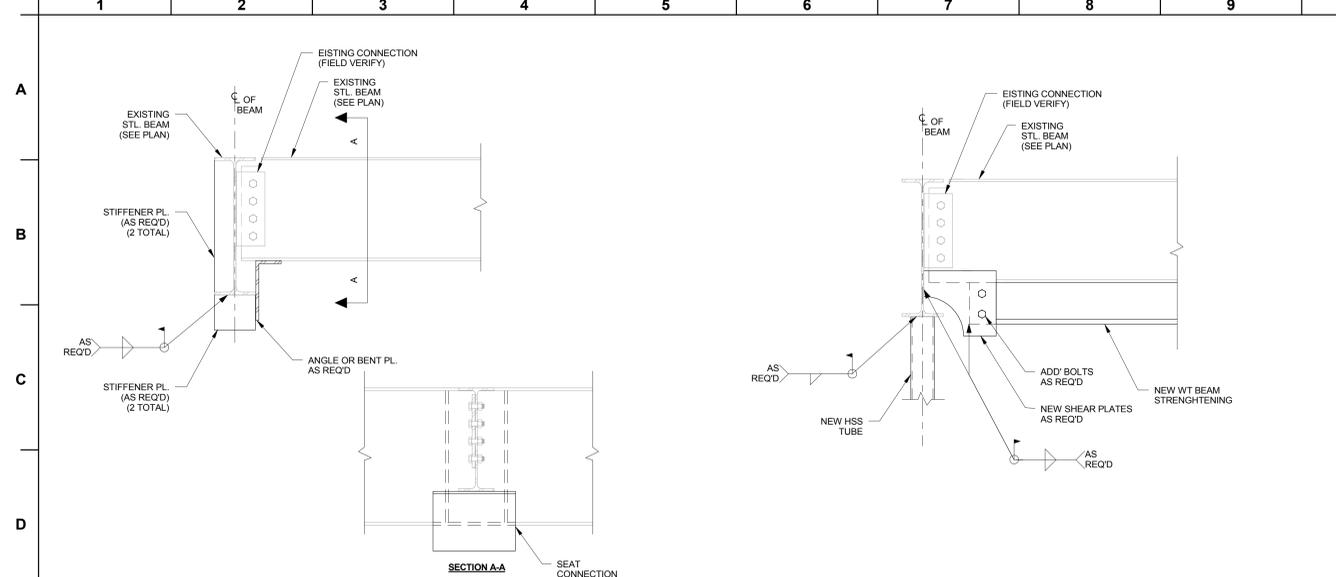
SHEET NAME:  
STEEL FRAMING DETAILS

DESIGN & TECHNOLOGY  
**FREELON**

J.W. ROBINSON & ASSOCIATES, INC. | FREELON, INC. - JV  
1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
PHONE: (404) 753-4129 FAX: (404) 753-4435



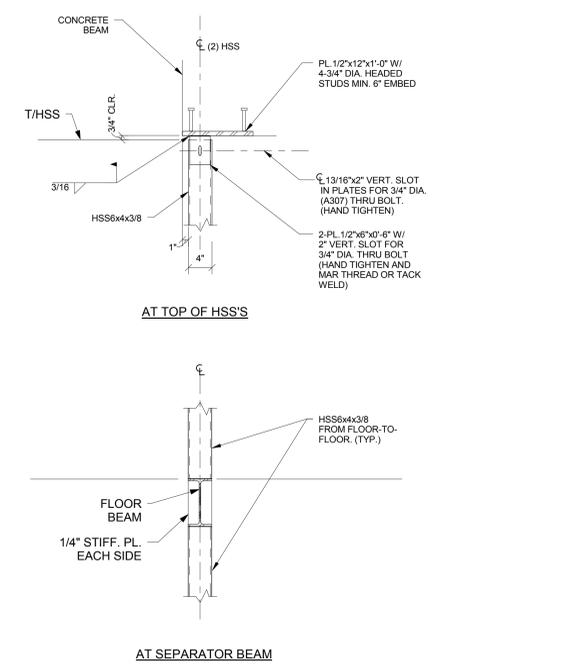
JOB NO.	201208/2010003.00 AARL
DRAWN	TN
CHECKED	MK
DATE	May 15, 2014
DATE	June 24, 2014
REVISIONS	1
SHEET NUMBER	S-506



**4** Copy of BEAM TO GIRDER CONNECTION STRENGTHENING DETAIL (AT STRENGTHENING BEAM)  
S-506 1" = 1'-0"

**3** BEAM TO GIRDER CONNECTION STRENGTHENING DETAIL (AT STRENGTHENING BEAM)  
S-506 1" = 1'-0"

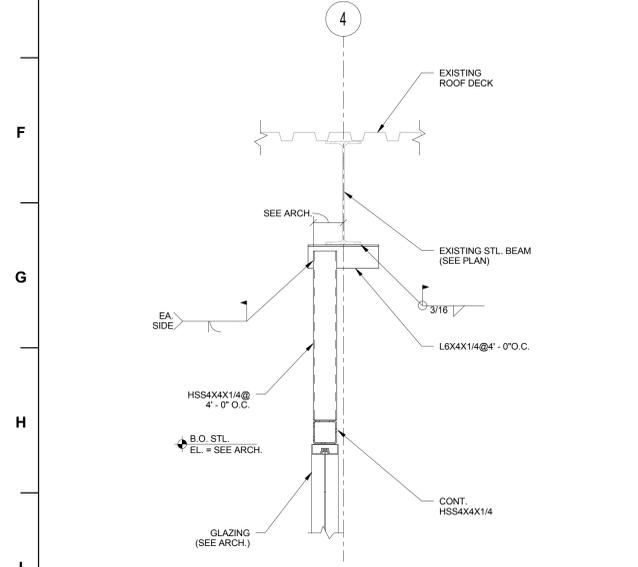
**2** DETAIL AT BALCONY EDGE  
S-506 3/4" = 1'-0"



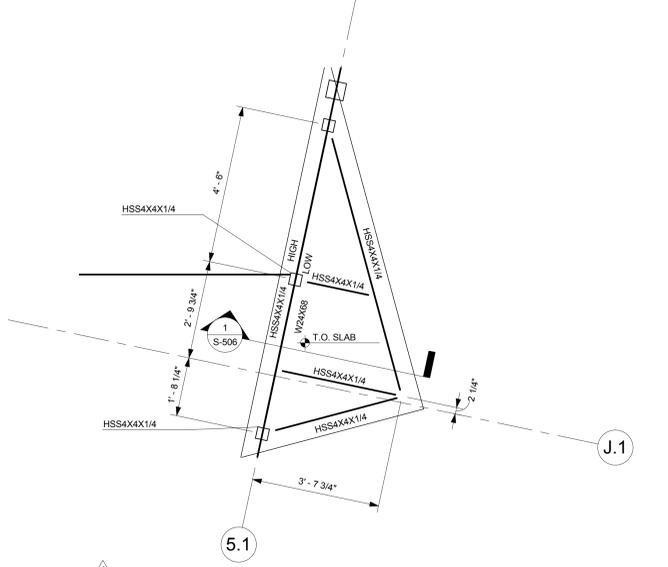
AT TOP OF HSS'S

AT SEPARATOR BEAM

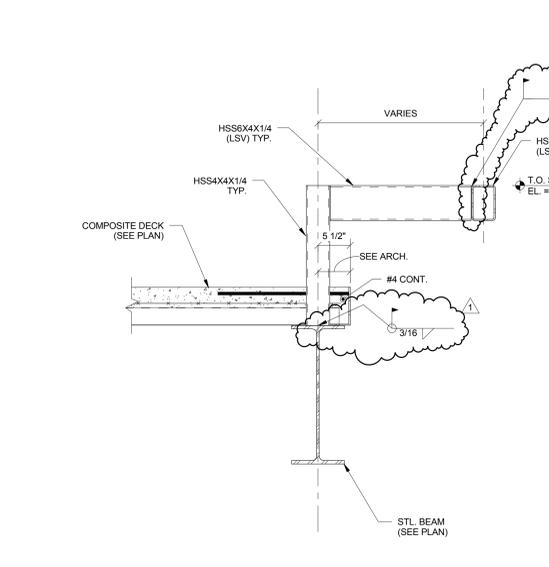
AT BOTTOM OF HSS'S



**8** GLAZING SUPPORT AT ROOF LEVEL  
S-506 1" = 1'-0"

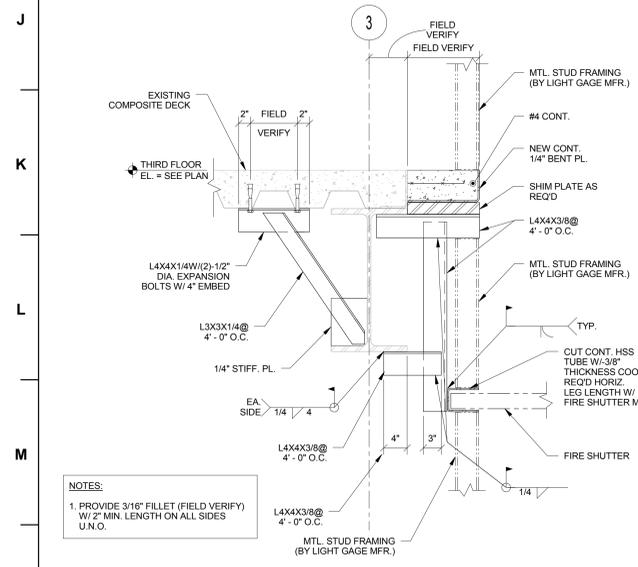


**6** PARTIAL PLAN AT 2ND FLOOR SLAB  
S-506 1/2" = 1'-0"

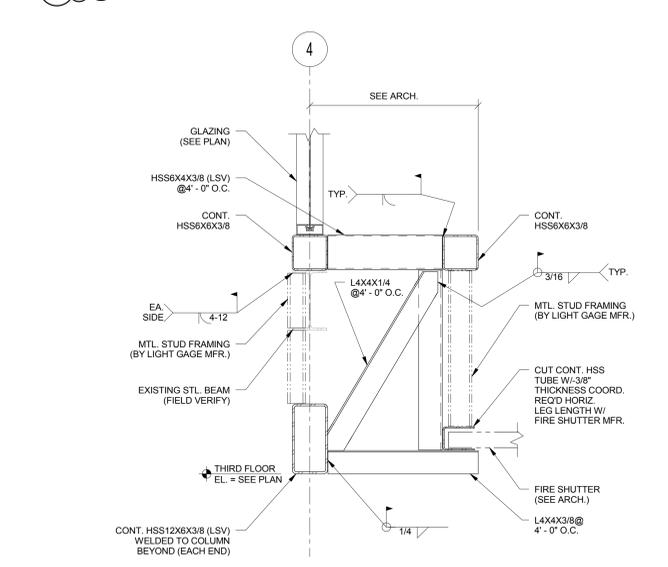


**1** SECTION AT 2ND FLOOR BENCH  
S-506 1" = 1'-0"

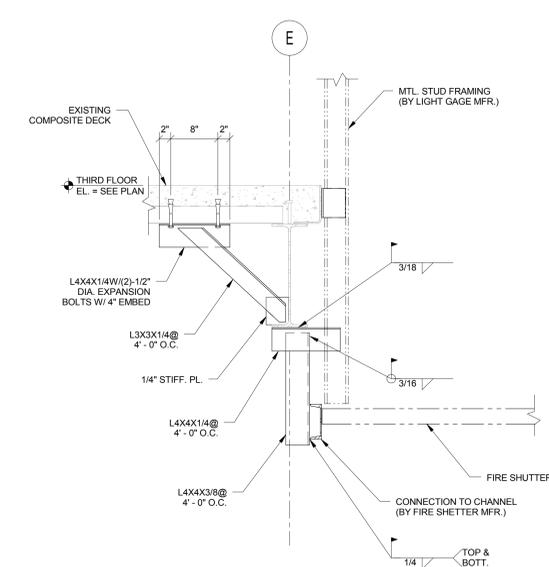
**5** TYPICAL ELEVATOR RAIL SUPPORT DETAIL  
S-506 1" = 1'-0"



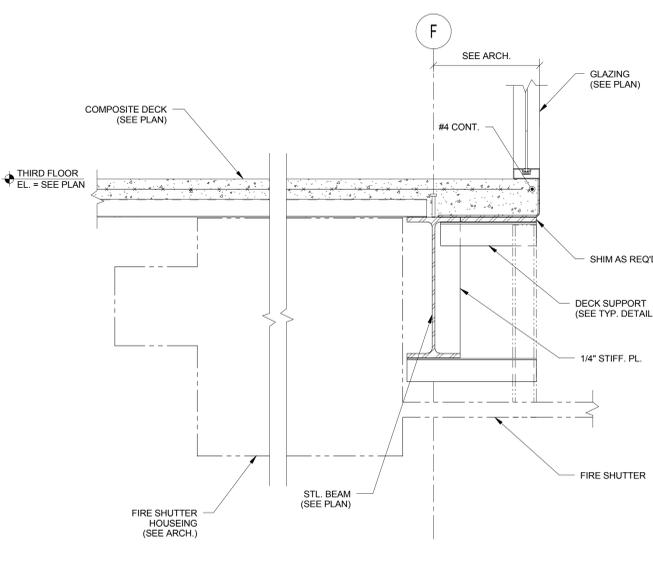
**12** SECTION AT 3RD FLOOR FIRE SHUTTER (WEST RAIL)  
S-506 1" = 1'-0"



**11** SECTION AT FIRE SHUTTER (EAST SIDE)  
S-506 1" = 1'-0"

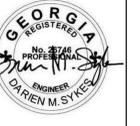


**10** SECTION AT FIRE SHUTTER END  
S-506 1" = 1'-0"



**9** SECTION AT FIRE SHUTTER HOUSING RELEASED FOR CONSTRUCTION  
S-506 1" = 1'-0"

NOTES:  
1. PROVIDE 3/16" FILLET (FIELD VERIFY) W/ 2" MIN. LENGTH ON ALL SIDES U.N.C.



JOB NAME: Auburn Ave Research Library  
101 Auburn Ave, Atlanta, GA  
SHEET NAME: STEEL FRAMING DETAILS

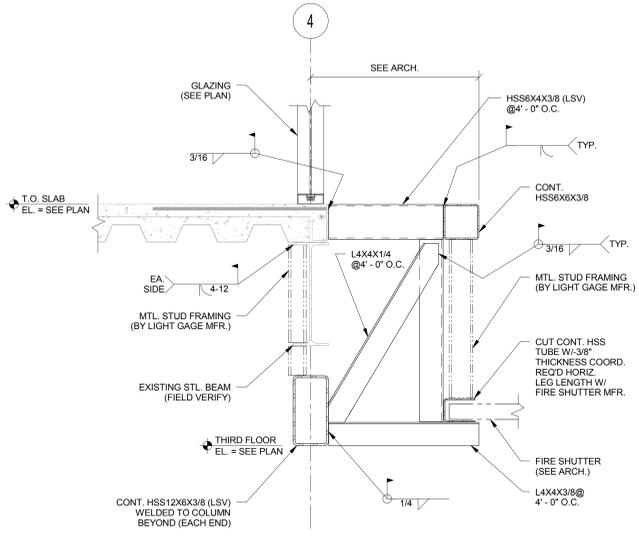
**FREELON**  
DESIGN & TECHNOLOGY

J.W. ROBINSON & ASSOCIATES, INC. | FREELON, INC. | JV  
1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
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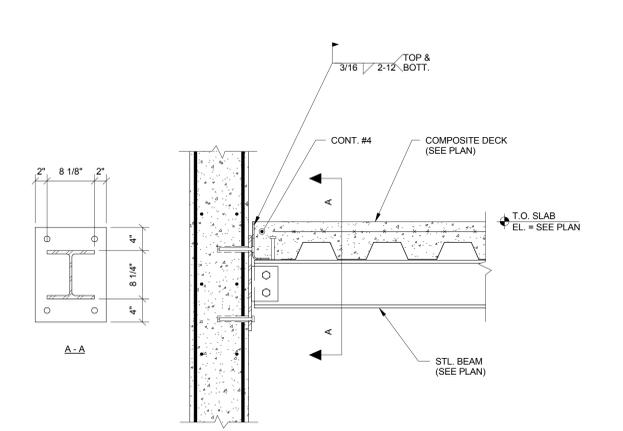


JOB NO.	201208/2010003.00 AARL
DRAWN	Author
CHECKED	Checker
DATE	May 15, 2014
DATE	June 24, 2014
BIDDING	
REVISIONS	1

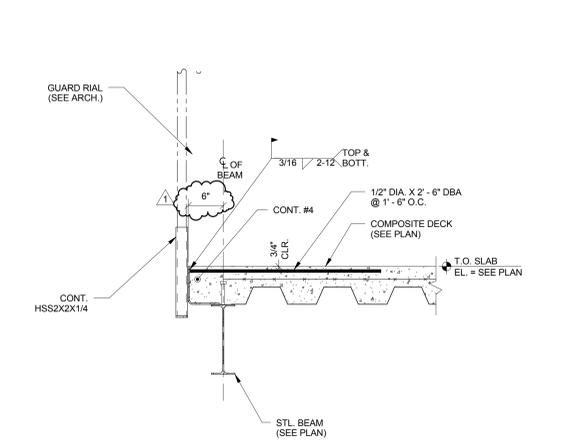
SHEET NUMBER  
**S-507**



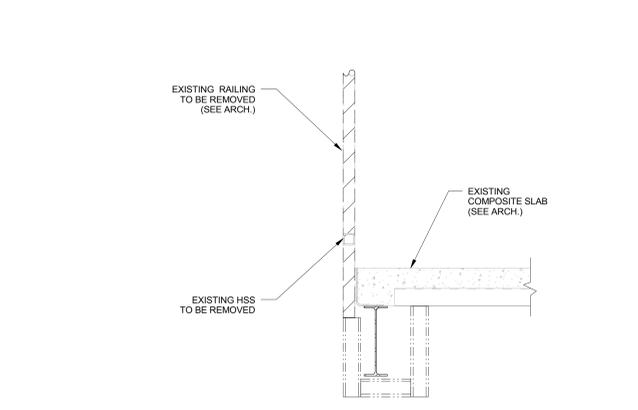
**4** SECTION AT FIRE SHUTTER (EAST SIDE) (4TH FLOOR)  
S-507 1" = 1'-0"



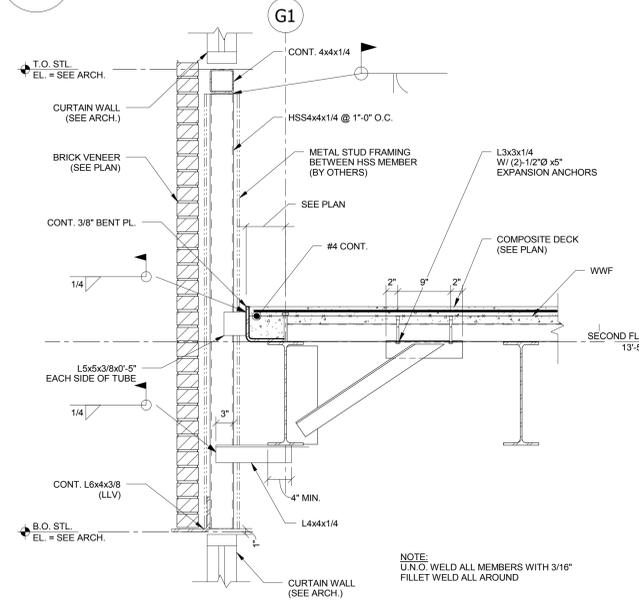
**3** SECTION AT FRAMING INTO EXISTING CONCRETE SHEARWALL  
S-507 1" = 1'-0"



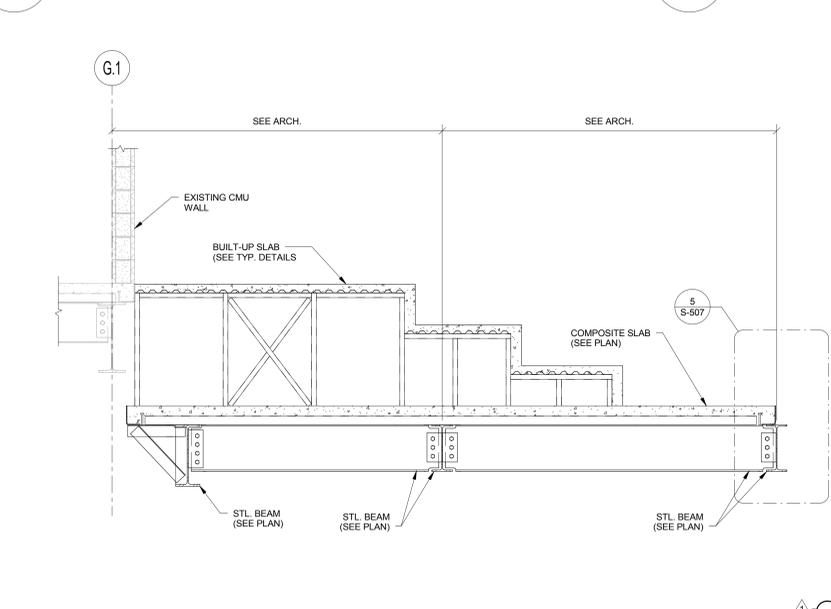
**2** SECTION AT GUARD RAIL  
S-507 1" = 1'-0"



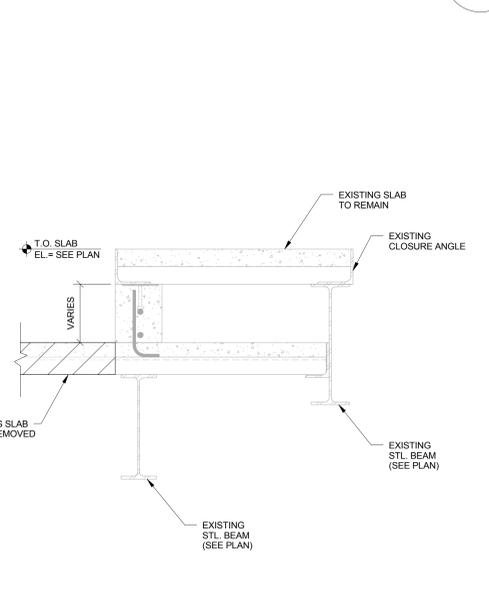
**1** SECTION AT EXISTING GUARD RAIL (DEMO)  
S-507 1" = 1'-0"



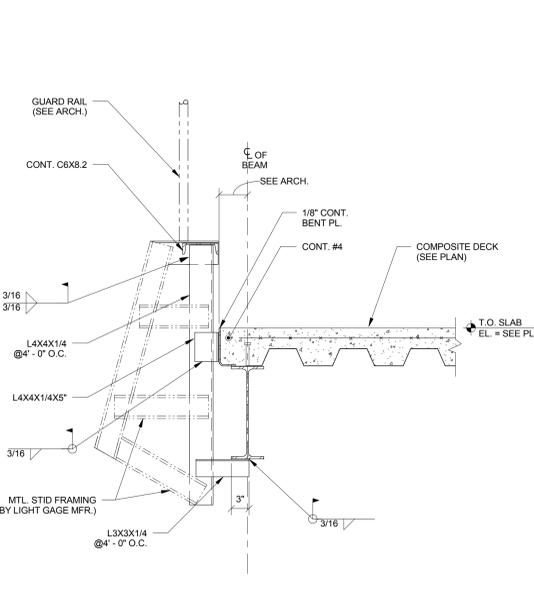
**8** Drafting 5  
S-507 1" = 1'-0"



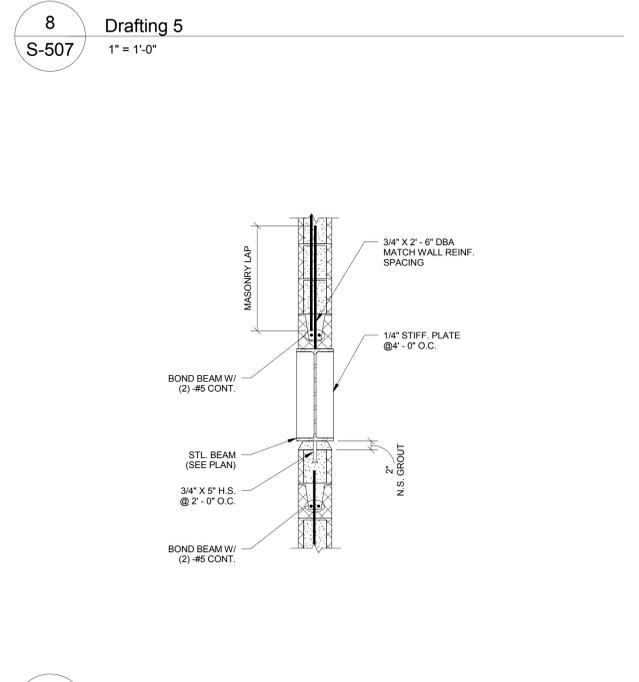
**7** DETAIL AT AUDITORIUM BUILD-UP  
S-507 1/2" = 1'-0"



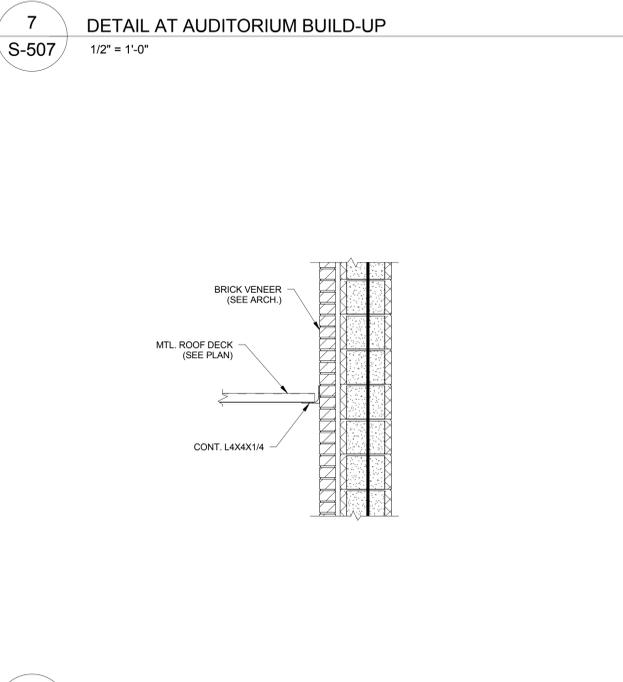
**6** SLAB REMOVAL AT THE SKYLIGHT (DEMO)  
S-507 1" = 1'-0"



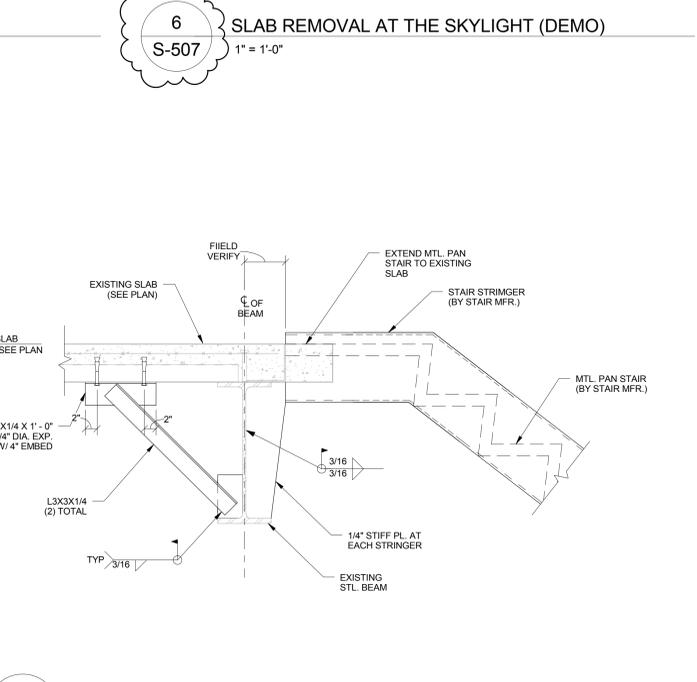
**5** SECTION AT EDGE OF BALCONY  
S-507 1" = 1'-0"



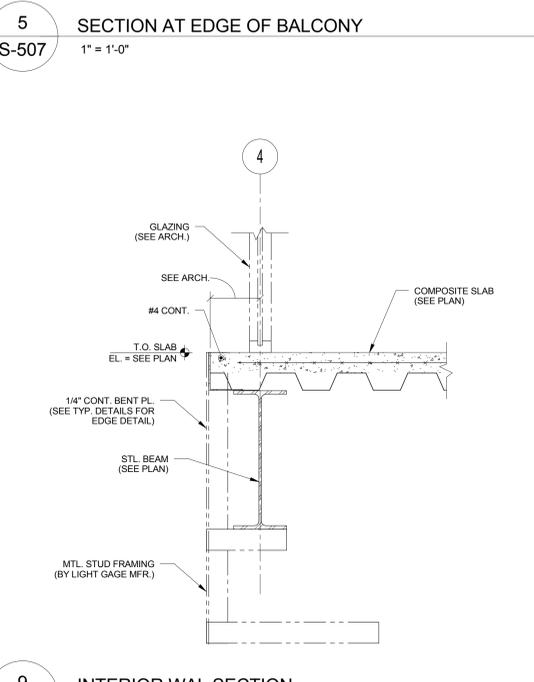
**12** SECTION  
S-507 3/4" = 1'-0"



**11** DECK SUPPORT AT CANOPY  
S-507 3/4" = 1'-0"



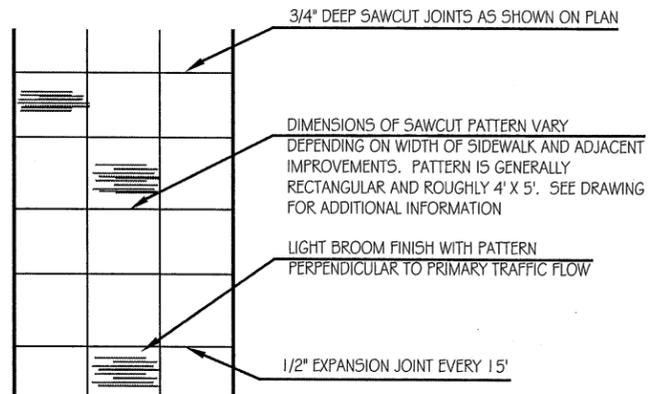
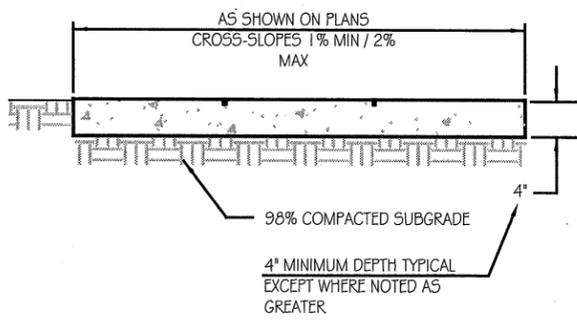
**10** SECTION AT NEW STAIR  
S-507 1" = 1'-0"



**9** INTERIOR WAL SECTION  
S-507 1" = 1'-0"

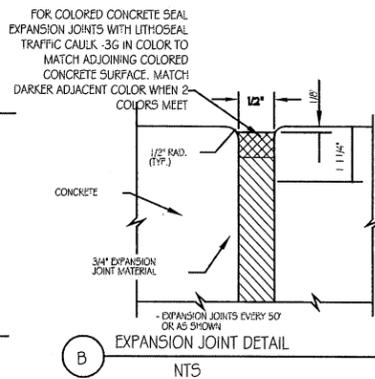
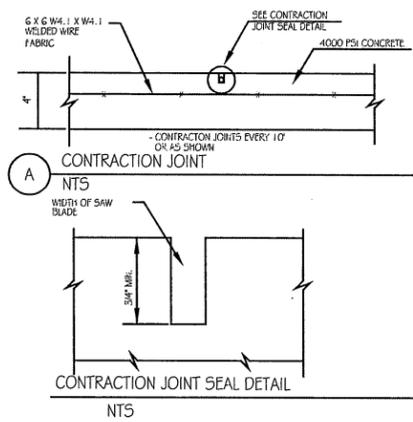
**RELEASED FOR CONSTRUCTION**

- NOTES:
1. SIDEWALK TO BE CONSTRUCTED OF CLASS 'A' - 4000 PSI CONCRETE
  2. ALL CONCRETE INSIDE THE RIGHT OF WAY TO HAVE NO WELDED WIRE MESH; ALL CONCRETE OUTSIDE RIGHT OF WAY TO HAVE WELDED WIRE MESH REINFORCEMENT.

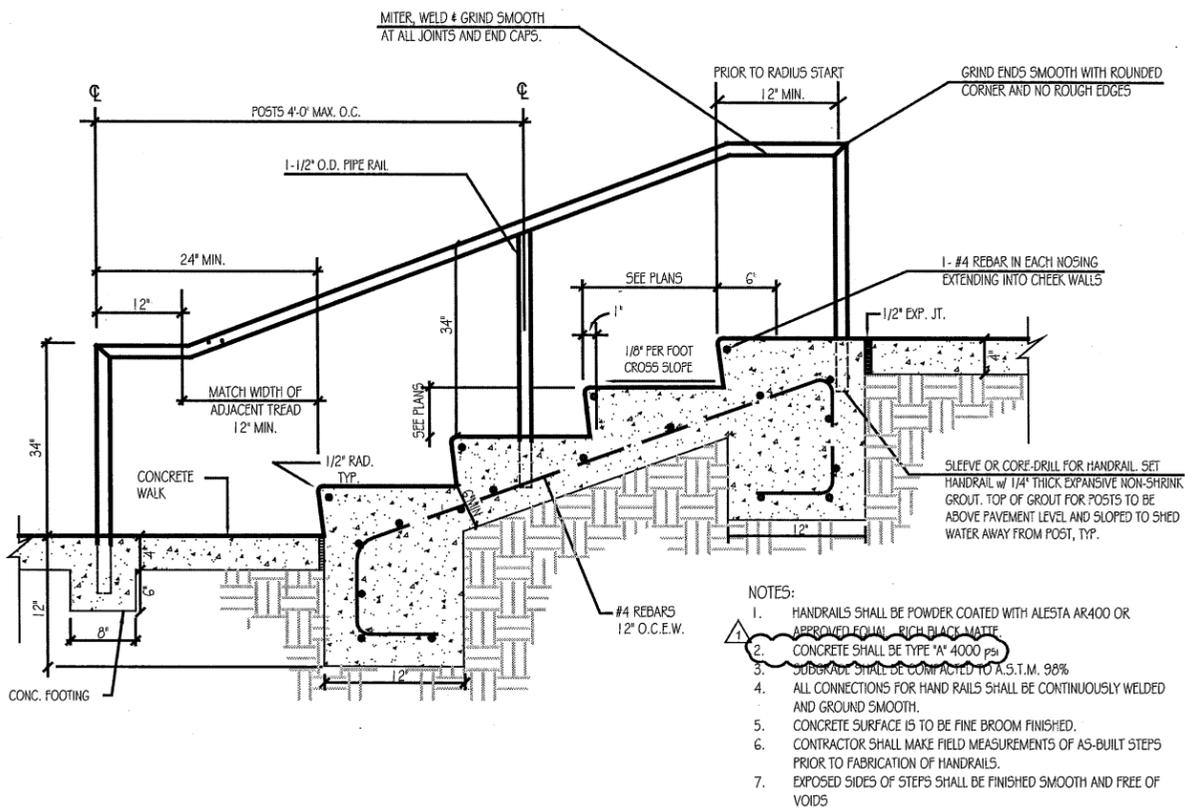


5 COURTLAND STREET FRONTAGE - CONCRETE SIDEWALK DETAILS  
L201 N.T.S.

- NOTES:
1. SIDEWALK TO BE CONSTRUCTED OF CLASS 'A' - 4000 PSI CONCRETE
  2. ALL CONCRETE INSIDE THE RIGHT OF WAY TO HAVE NO WELDED WIRE MESH; ALL CONCRETE OUTSIDE RIGHT OF WAY TO HAVE WELDED WIRE MESH REINFORCEMENT.



6 SIDEWALK JOINT DETAIL  
L201 N.T.S.



- NOTES:
1. HANDRAILS SHALL BE POWDER COATED WITH ALESTA AR400 OR APPROVED EQUAL RICH BLACK MATTE
  2. CONCRETE SHALL BE TYPE 'A' 4000 PSI
  3. SUBGRADE SHALL BE COMPACTED TO A.S.T.M. 98%
  4. ALL CONNECTIONS FOR HAND RAILS SHALL BE CONTINUOUSLY WELDED AND GROUND SMOOTH.
  5. CONCRETE SURFACE IS TO BE FINE BROOM FINISHED.
  6. CONTRACTOR SHALL MAKE FIELD MEASUREMENTS OF AS-BUILT STEPS PRIOR TO FABRICATION OF HANDRAILS.
  7. EXPOSED SIDES OF STEPS SHALL BE FINISHED SMOOTH AND FREE OF VOIDS

1 CONCRETE STEPS AND RAILING w/o CHEEKWALL - HANDRAIL TYPE 'A'  
L202 N.T.S.



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1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
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FREELON  
DESIGN TECHNOLOGY

ADDENDUM NUMBER 1

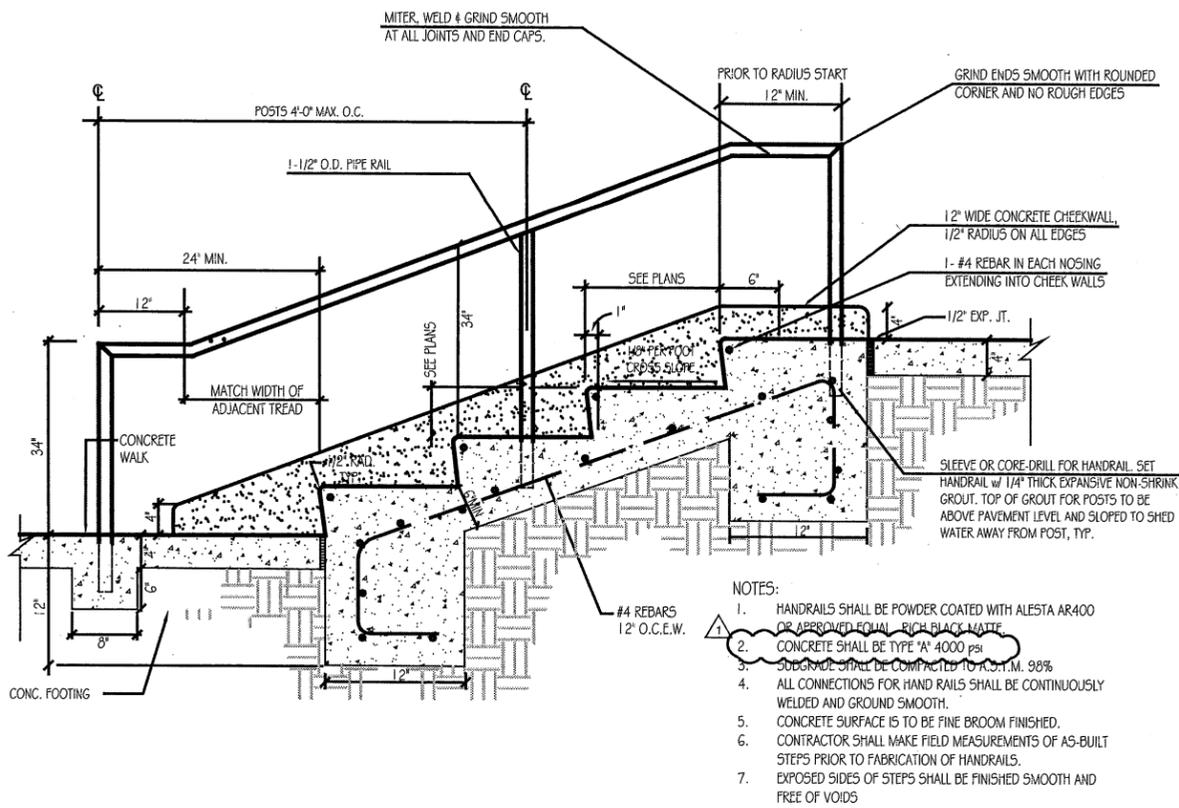
JWRA / FREELON, a Joint Venture

DATE: June 24, 2014

THE AUBURN AVENUE RESEARCH LIBRARY  
101 AUBURN AVENUE NE, ATLANTA, GA 30303  
PROJECT NUMBER: 11RFP80742K-DJ(L009)  
FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I

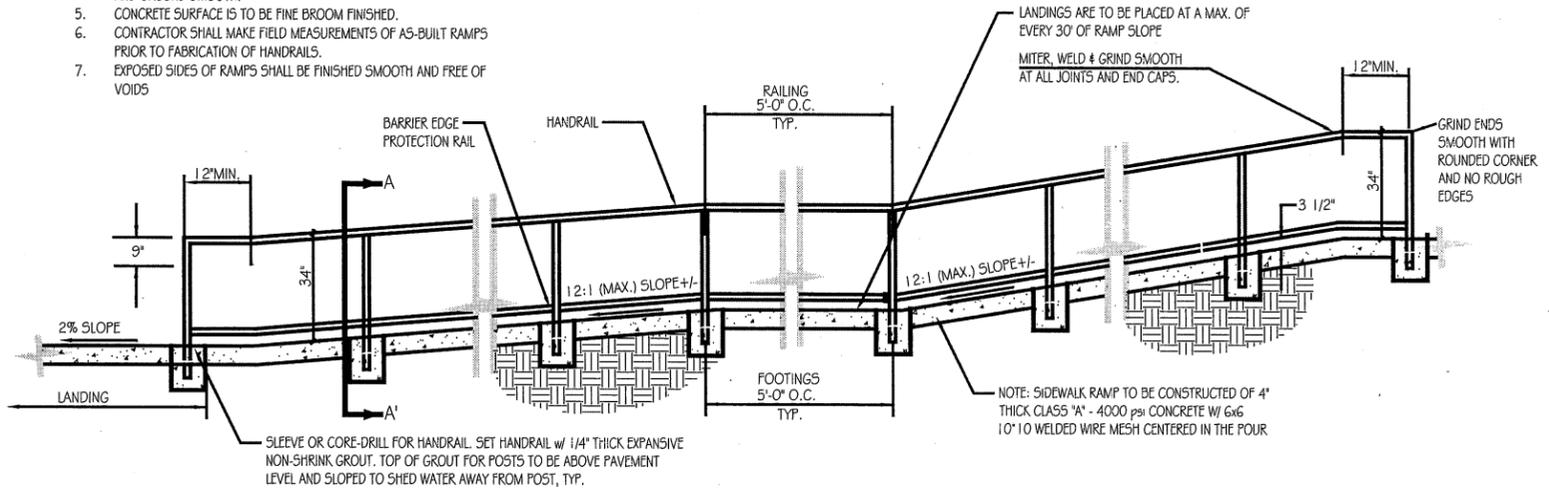
DWG NUMBER

SDL-1

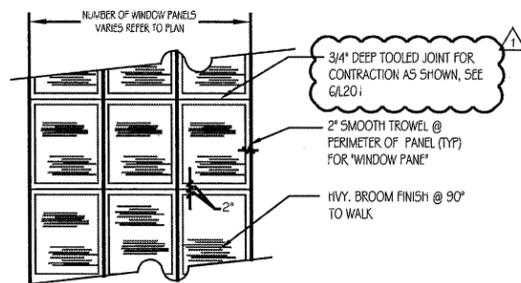


2 CONCRETE STEPS AND RAILING WITH CHEEKWALL - HANDRAIL TYPE 'A'  
L202 N.T.S.

- NOTES:
- HANDRAILS SHALL BE POWDER COATED WITH ALESTA AR400 OR APPROVED EQUAL RICH BLACK MATTE
  - CONCRETE SHALL BE TYPE 'A' 4000 psi
  - SUBGRADE SHALL BE COMPACTED TO A.S.T.M. 98%
  - ALL CONNECTIONS FOR HAND RAILS SHALL BE CONTINUOUSLY WELDED AND GROUND SMOOTH.
  - CONCRETE SURFACE IS TO BE FINE BROOM FINISHED.
  - CONTRACTOR SHALL MAKE FIELD MEASUREMENTS OF AS-BUILT RAMPS PRIOR TO FABRICATION OF HANDRAILS.
  - EXPOSED SIDES OF RAMPS SHALL BE FINISHED SMOOTH AND FREE OF VOIDS



4 ACCESSIBLE RAMP AND RAILINGS - HANDRAIL TYPE 'B'  
L202 N.T.S.



SURFACE TREATMENT

5 WINDOW PANE CONCRETE  
L202 N.T.S.



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1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
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FREELON  
FREIGHT TECHNOLOGIES

ADDENDUM NUMBER 1

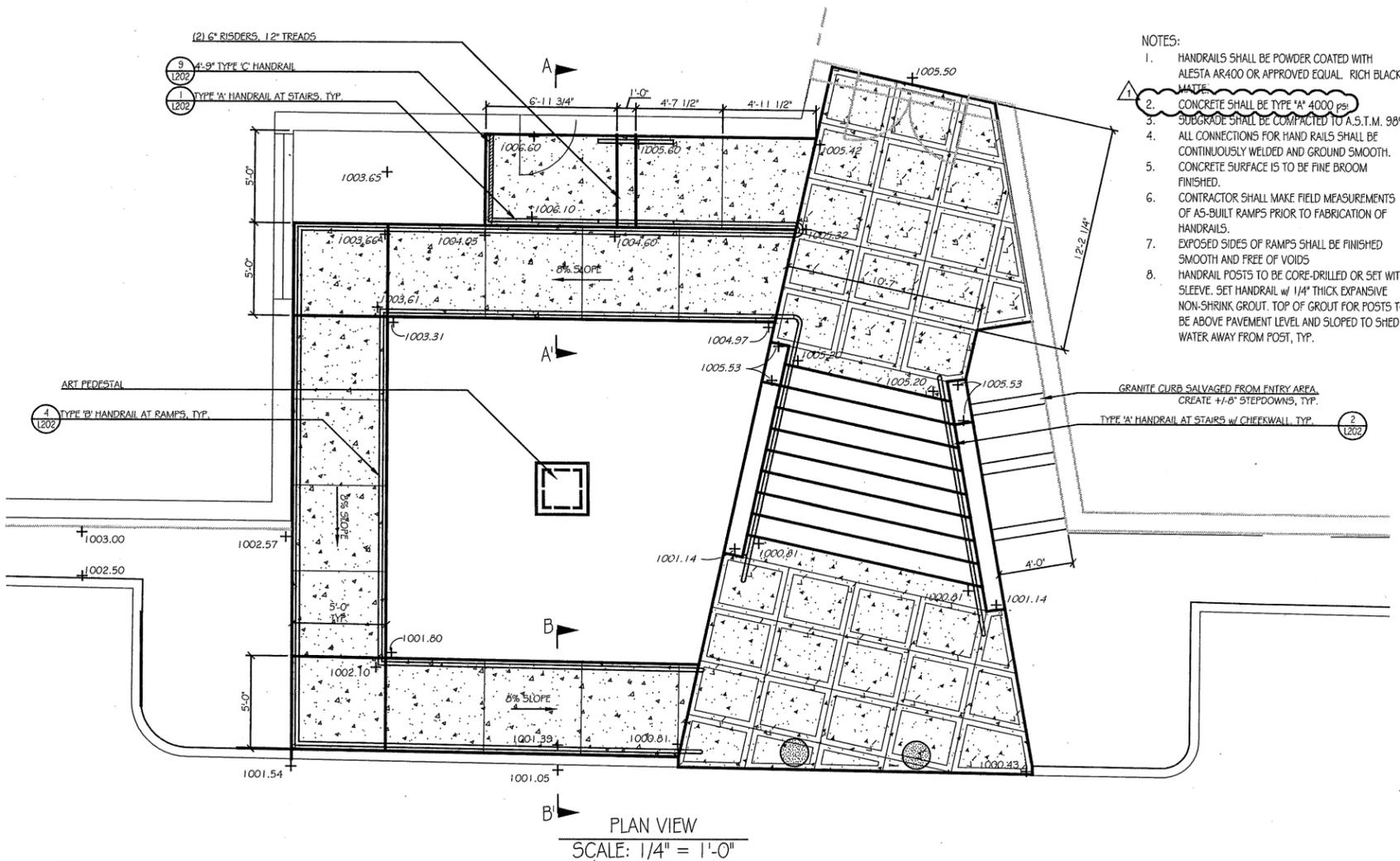
JWRA / FREELON, a Joint Venture

DATE: June 24, 2014

THE AUBURN AVENUE RESEARCH LIBRARY  
101 AUBURN AVENUE NE, ATLANTA, KGA 30303  
PROJECT NUMBER: 11RFP80742K-DJ(L009)  
FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I

DWG NUMBER

SDL-2



- NOTES:
- HANDRAILS SHALL BE POWDER COATED WITH ALESTA AR400 OR APPROVED EQUAL. RICH BLACK MATTE.
  - CONCRETE SHALL BE TYPE 'A' 4000 PSI.
  - SUBGRADE SHALL BE COMPACTED TO A.S.T.M. 98%
  - ALL CONNECTIONS FOR HAND RAILS SHALL BE CONTINUOUSLY WELDED AND GROUND SMOOTH.
  - CONCRETE SURFACE IS TO BE FINE BROOM FINISHED.
  - CONTRACTOR SHALL MAKE FIELD MEASUREMENTS OF AS-BUILT RAMPS PRIOR TO FABRICATION OF HANDRAILS.
  - EXPOSED SIDES OF RAMPS SHALL BE FINISHED SMOOTH AND FREE OF VOIDS
  - HANDRAIL POSTS TO BE CORE-DRILLED OR SET WITH SLEEVE. SET HANDRAIL w/ 1/4" THICK EXPANSIVE NON-SHRINK GROUT. TOP OF GROUT FOR POSTS TO BE ABOVE PAVEMENT LEVEL AND SLOPED TO SHED WATER AWAY FROM POST, TYP.

1 PARKING LOT RAMP ENLARGEMENT  
L203



**J.W. ROBINSON & ASSOCIATES, INC. FREELON GROUP, INC. JV**  
 1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
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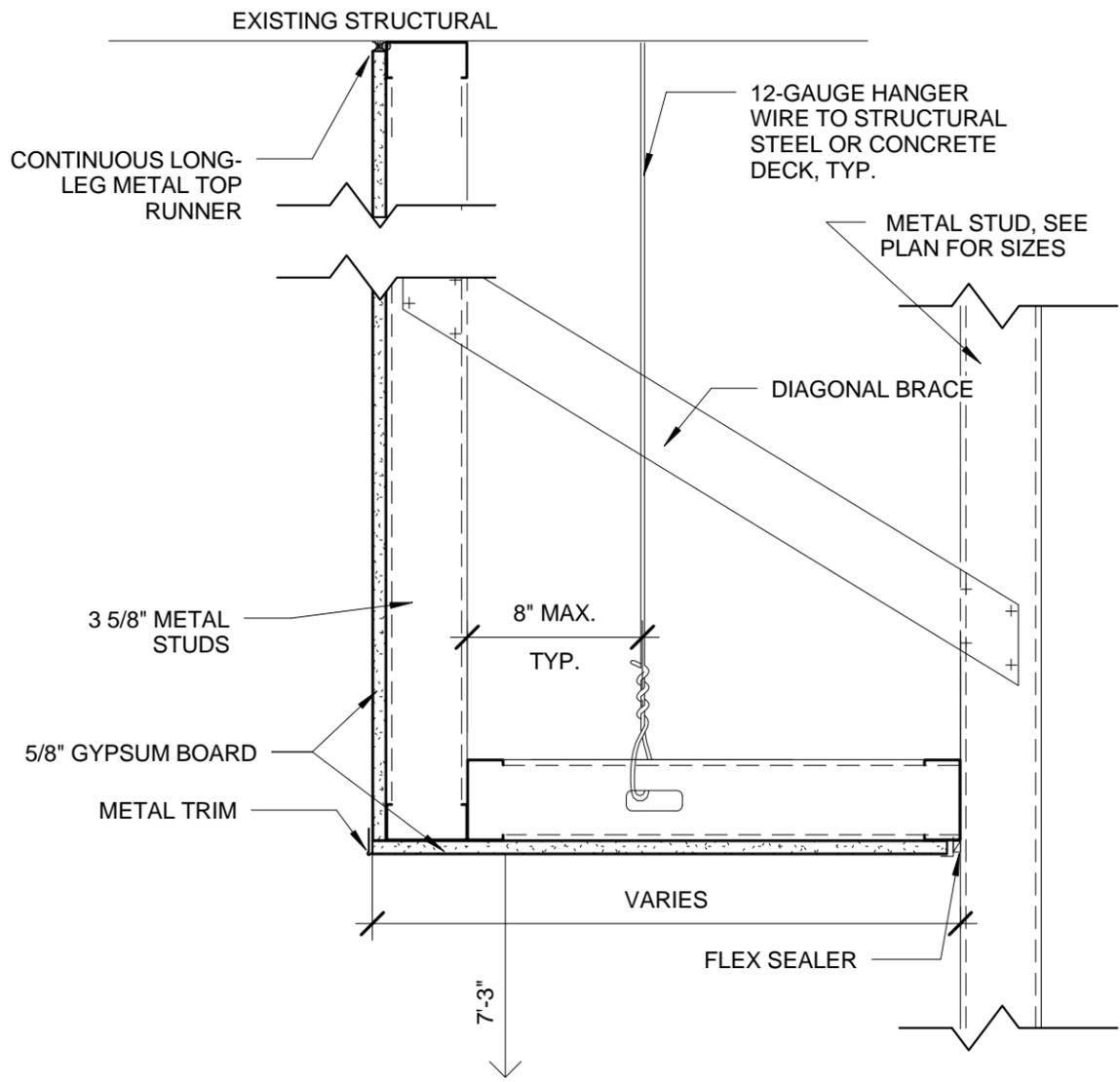


ADDENDUM NUMBER 1  
 DATE: June 24, 2014

**JWRA / FREELON, a Joint Venture**  
 THE AUBURN AVENUE RESEARCH LIBRARY  
 101 AUBURN AVENUE NE, ATLANTA, KGA 30303  
 PROJECT NUMBER: 11RFP80742K-DJ(L009)  
 FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I

DWG NUMBER  
 SDL-3





SUPPLEMENTARY DRAWING  
FOR 18/A125

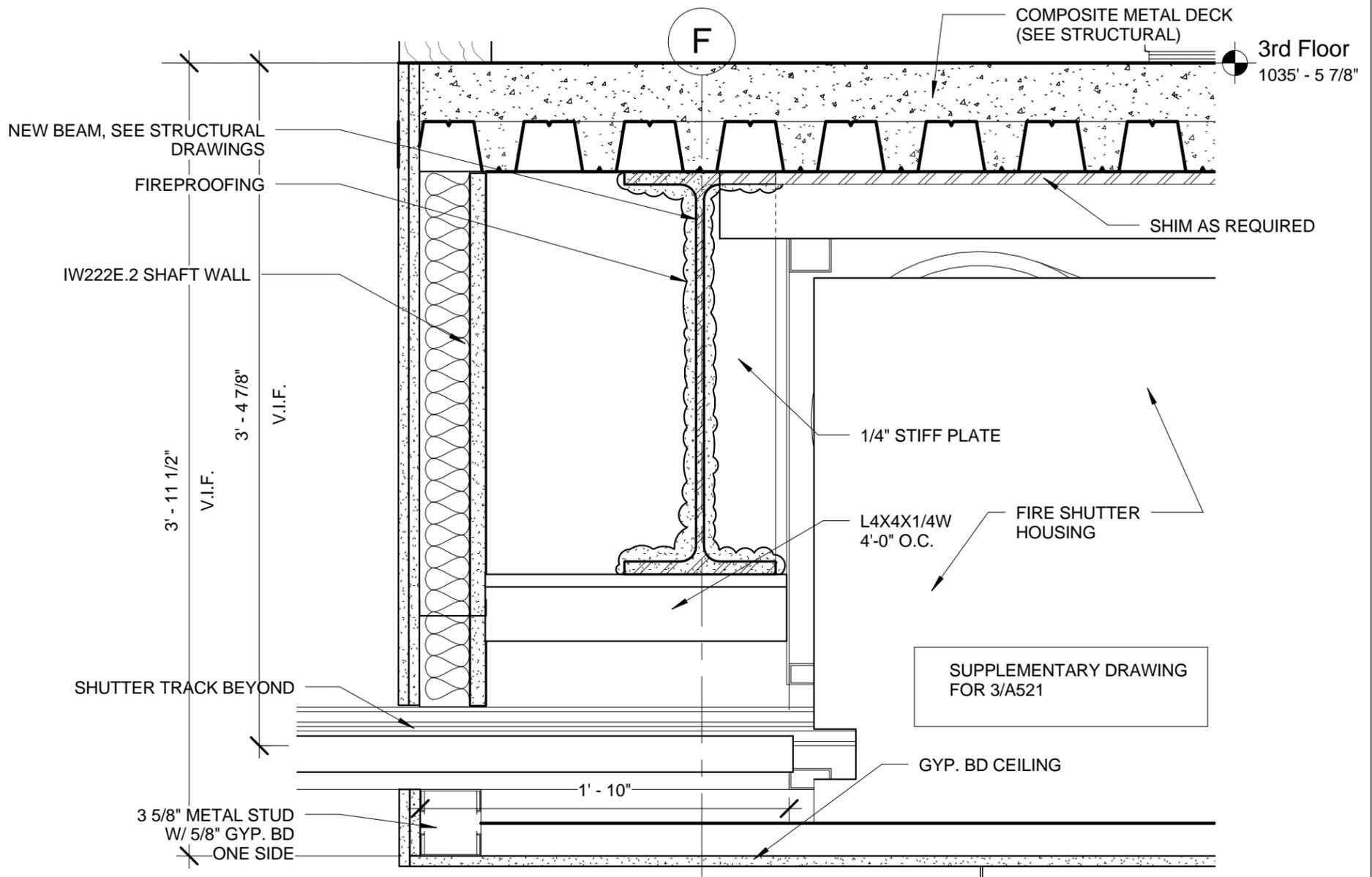
**1** **CEILING DETAIL**  
SD-102 1 1/2" = 1'-0"



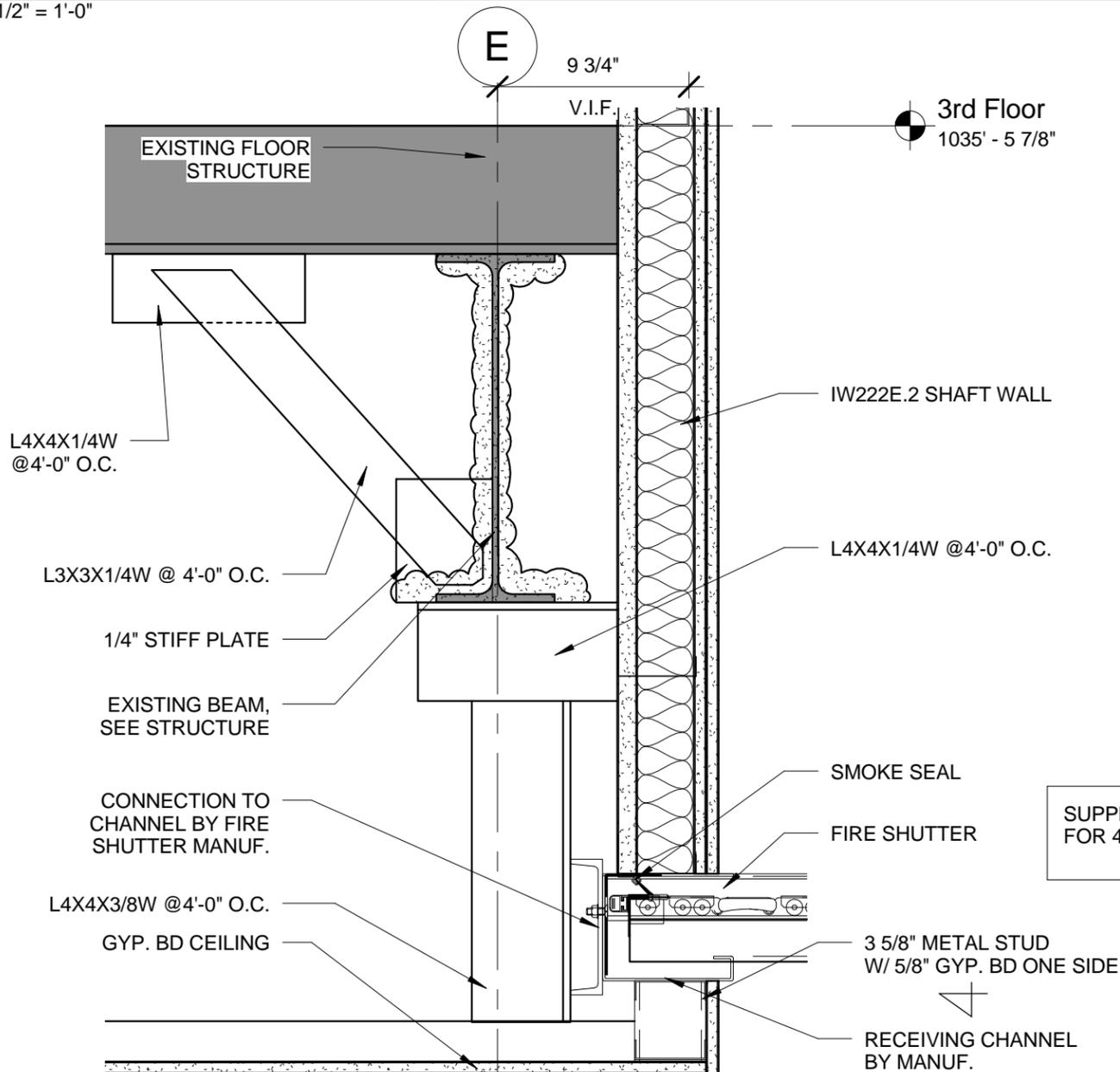
**J.W. ROBINSON & ASSOCIATES, INC. FREELON GROUP, INC. JV**  
1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
PHONE: (404) 753-4129 FAX: (404) 753-4435



ADDENDUM NUMBER 1	<b>JWRA / FREELON, a Joint Venture</b> THE AUBURN AVENUE RESEARCH LIBRARY 101 AUBURN AVENUE NE, ATLANTA, KGA 30303 PROJECT NUMBER: 11RFP80742K-DJ(L009) FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I	DWG NUMBER
DATE: June 24, 2014		SD- 102



**1 SECTION DETAIL AT FIRE SHUTTER HOUSING**  
SD-103 1 1/2" = 1'-0"



**2 SECTION DETAIL AT FIRE SHUTTER END**  
SD-103 1 1/2" = 1'-0"



**J.W. ROBINSON & ASSOCIATES, INC. FREELON GROUP, INC. JV**  
1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310  
PHONE: (404) 753-4129 FAX: (404) 753-4435



ADDENDUM NUMBER 1

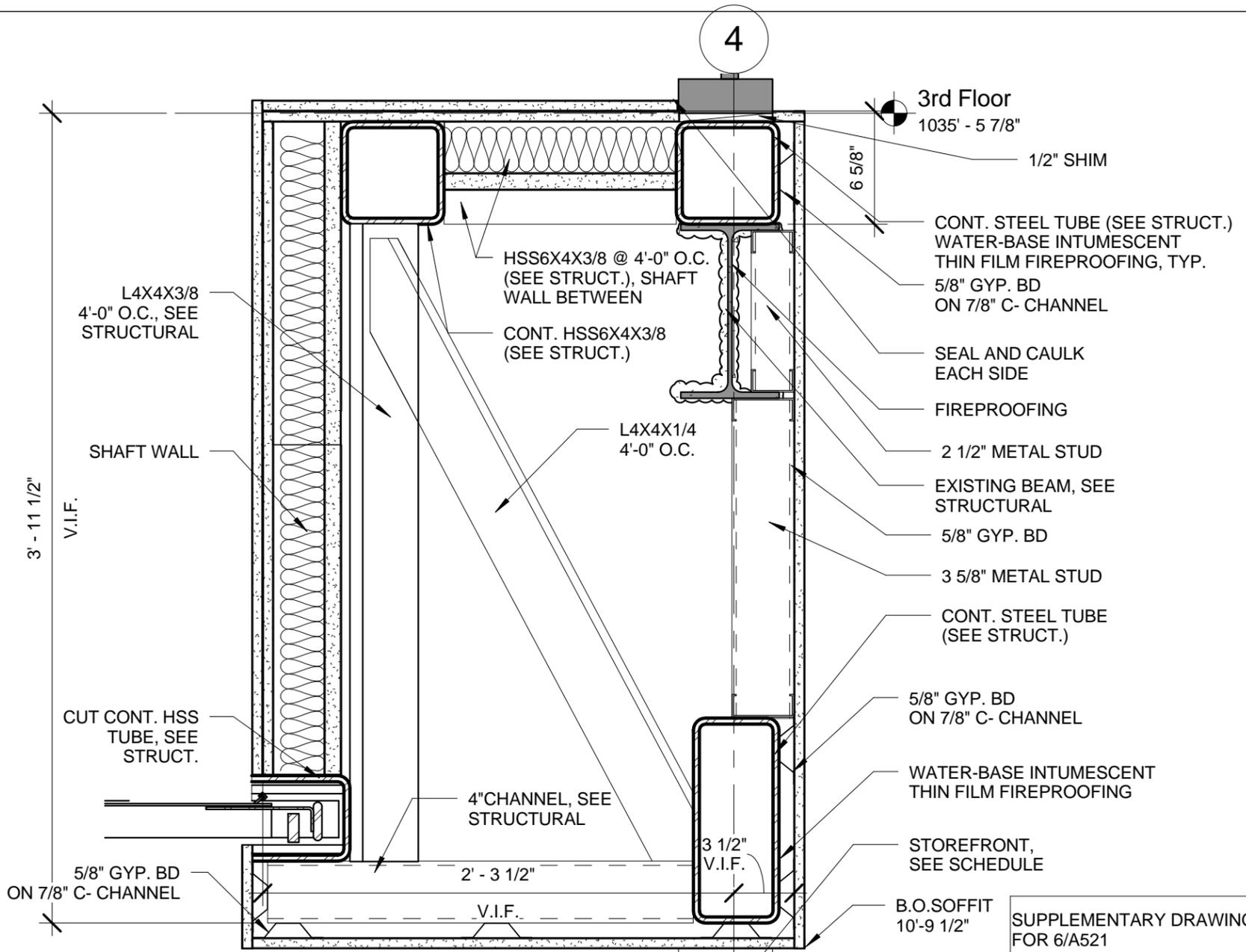
**JWRA / FREELON, a Joint Venture**

DWG NUMBER

DATE: June 24, 2014

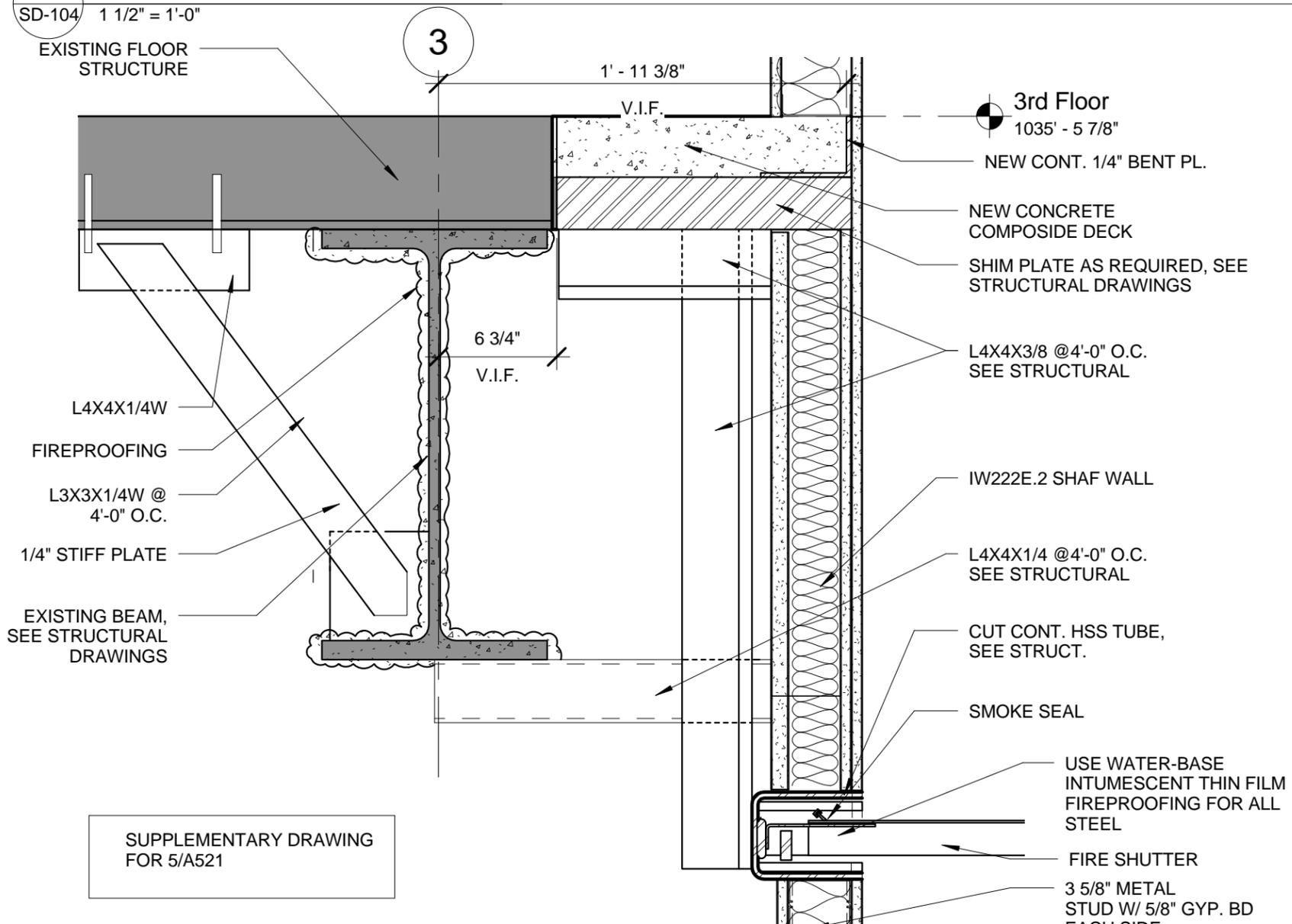
THE AUBURN AVENUE RESEARCH LIBRARY  
101 AUBURN AVENUE NE, ATLANTA, KGA 30303  
PROJECT NUMBER: 11RFP80742K-DJ(L009)  
FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I

SD- 103



**SECTION DETAIL AT FIRE SHUTTER EAST SIDE RAIL**

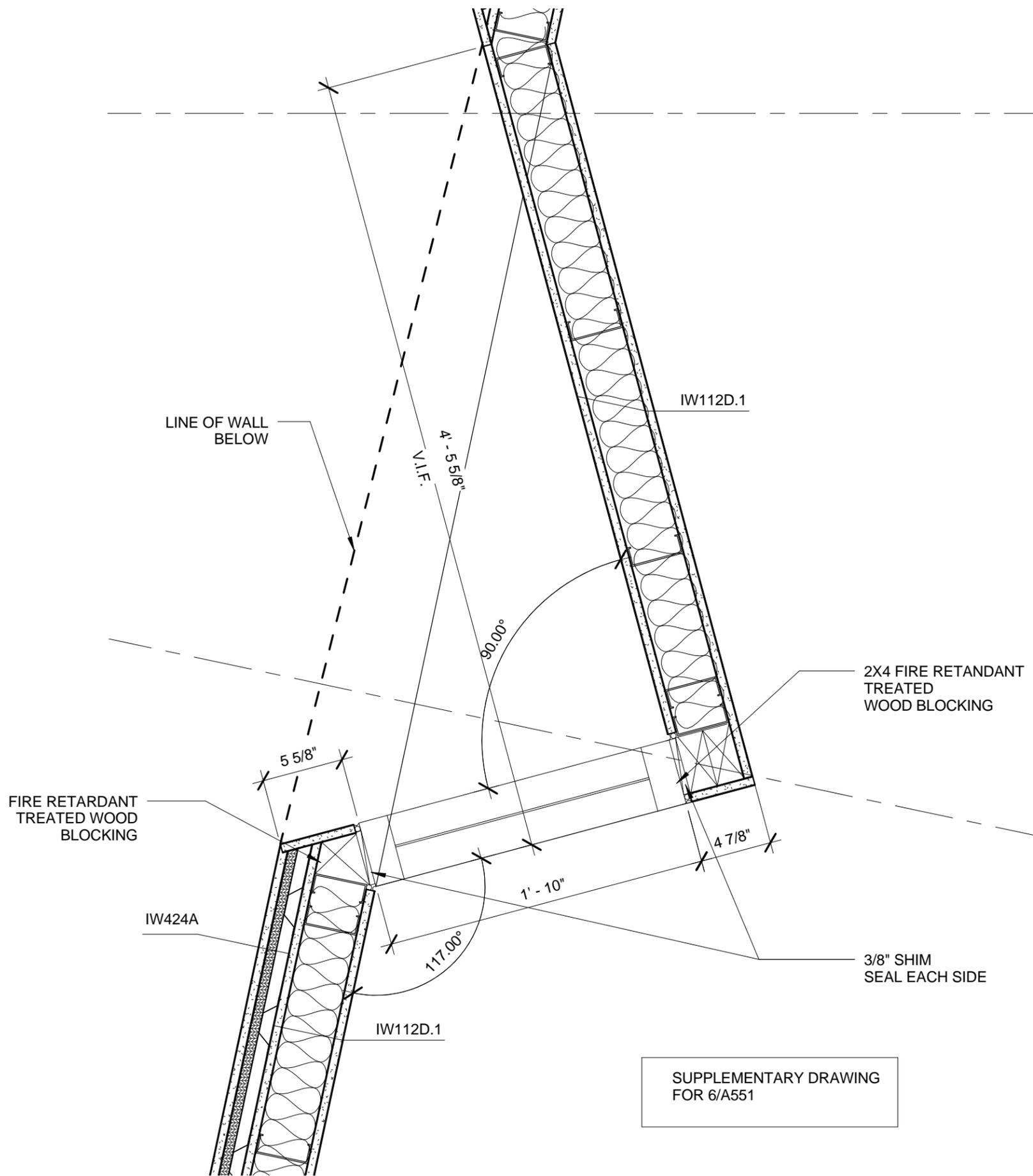
1  
SD-104 1 1/2" = 1'-0"



**SECTION DETAIL AT FIRE SHUTTER WEST SIDE RAIL**

2  
SD-104 1 1/2" = 1'-0"

 <p><b>J.W. ROBINSON &amp; ASSOCIATES, INC. FREELON GROUP, INC. JV</b>          1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310          PHONE: (404) 753-4129 FAX: (404) 753-4435</p>	<p><b>JWRA / FREELON, a Joint Venture</b></p>		
	<p>ADDENDUM NUMBER 1</p>	<p>THE AUBURN AVENUE RESEARCH LIBRARY          101 AUBURN AVENUE NE, ATLANTA, KGA 30303          PROJECT NUMBER: 11RFP80742K-DJ(L009)          FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I</p>	
<p>DATE: June 24, 2014</p>			



J

J.1

SUPPLEMENTARY DRAWING  
FOR 6/A551

1  
SD-105

**ENLARGED INTERIOR DETAIL**

1 1/2" = 1'-0"



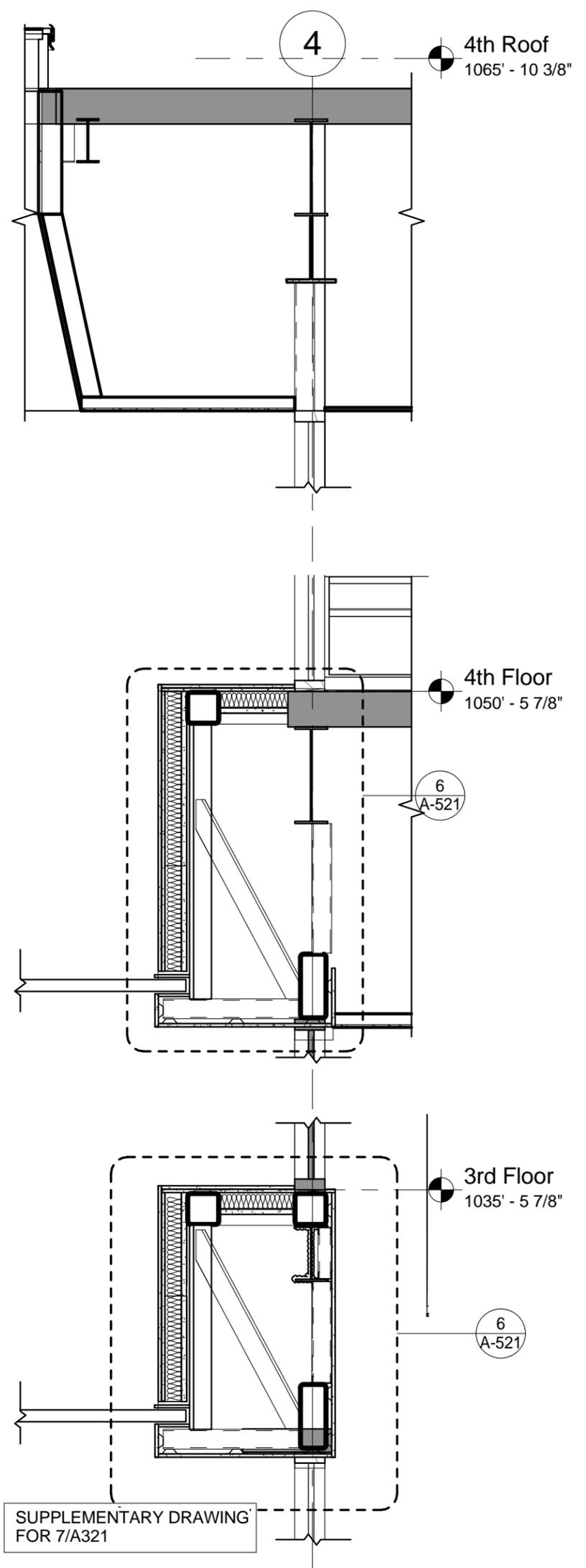
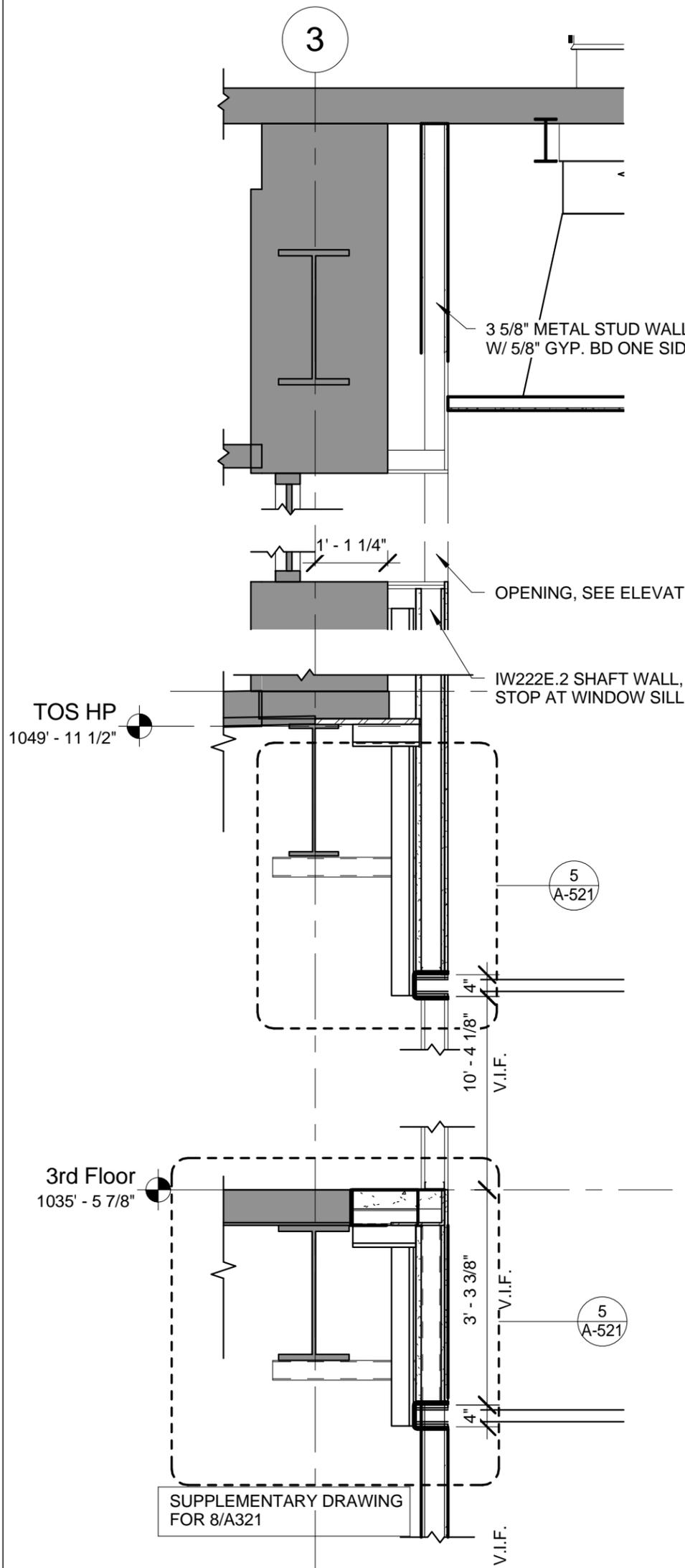
**J.W. ROBINSON & ASSOCIATES, INC. FREELON GROUP, INC. JV**

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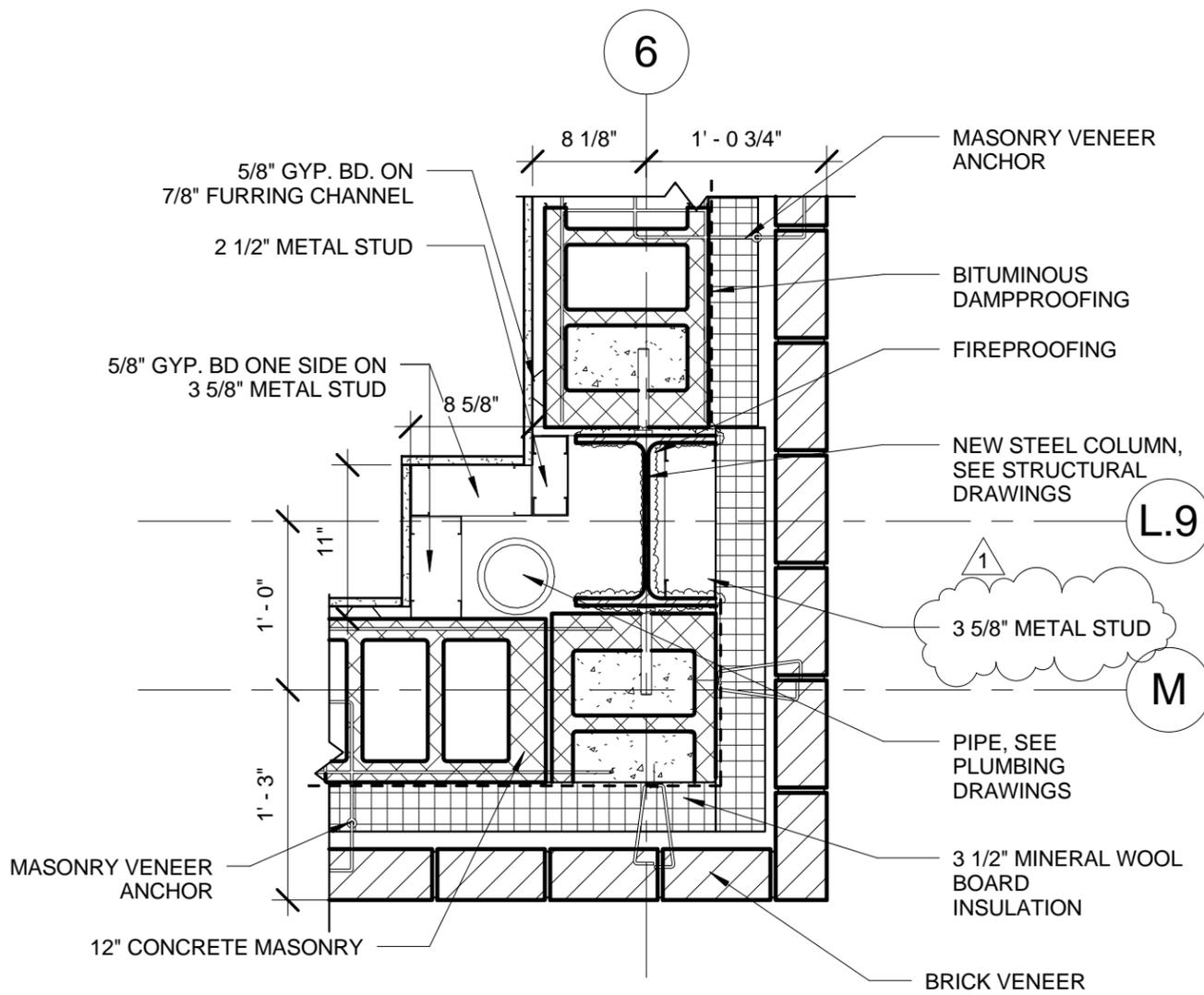
ADDENDUM NUMBER 1	<b>JWRA / FREELON, a Joint Venture</b>	DWG NUMBER
DATE: June 24, 2014	THE AUBURN AVENUE RESEARCH LIBRARY 101 AUBURN AVENUE NE, ATLANTA, KGA 30303 PROJECT NUMBER: 11RFP80742K-DJ(L009) FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I	SD- 105



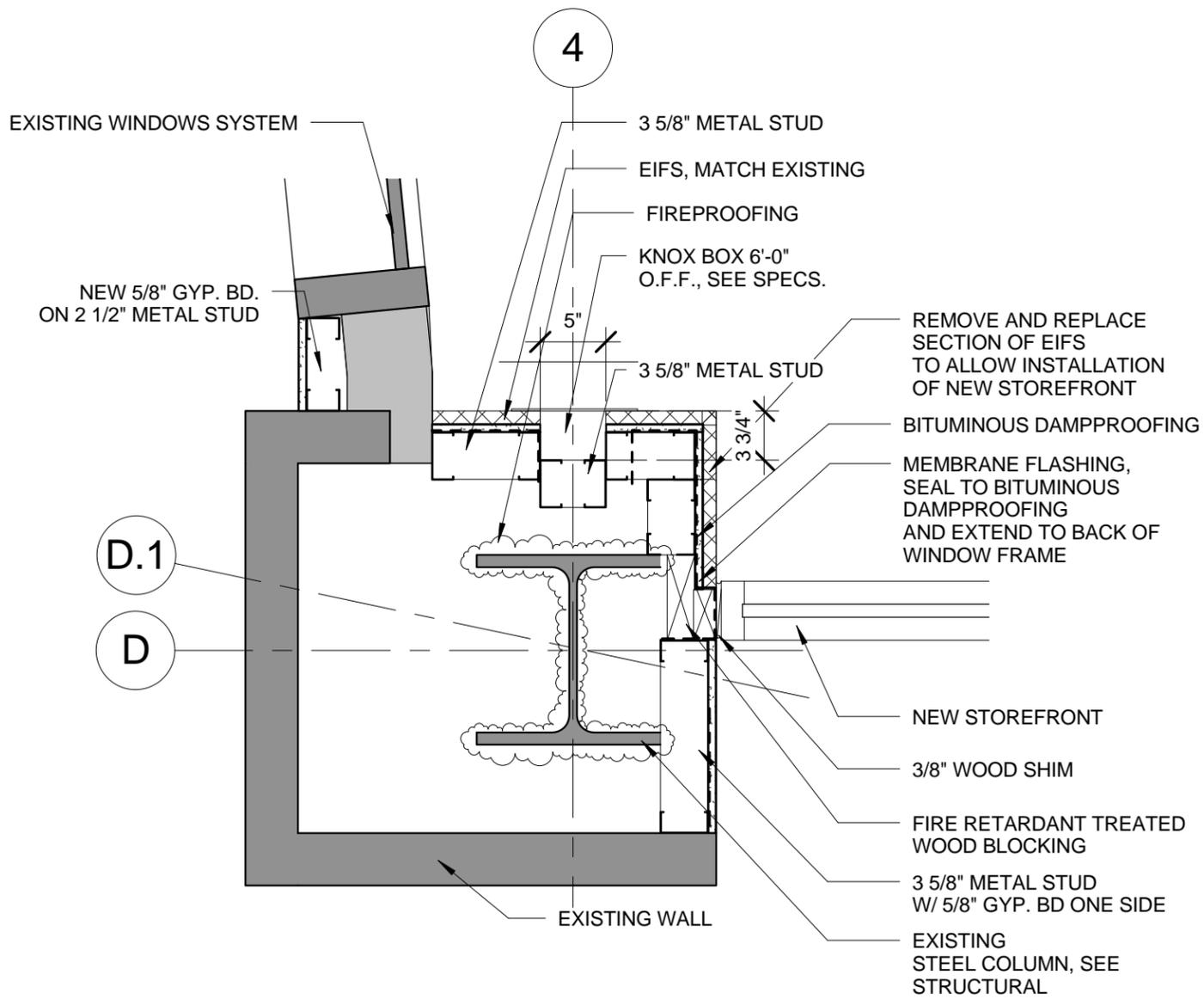
**1 INTERIOR WALL SECTION**  
SD-106 1/2" = 1'-0"

**2 INTERIOR WALL SECTION**  
SD-106 1/2" = 1'-0"

	<p><b>J.W. ROBINSON &amp; ASSOCIATES, INC. FREELON GROUP, INC. JV</b> 1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310 PHONE: (404) 753-4129 FAX: (404) 753-4435</p>		
	<p><b>JWRA / FREELON, a Joint Venture</b></p>		
<p>ADDENDUM NUMBER 1</p>	<p>THE AUBURN AVENUE RESEARCH LIBRARY 101 AUBURN AVENUE NE, ATLANTA, KGA 30303 PROJECT NUMBER: 11RFP80742K-DJ(L009) FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I</p>	<p>DWG NUMBER</p>	<p>SD- 106</p>
<p>DATE: June 24, 2014</p>			



**1** COLUMN DETAIL- FIRST AND SECOND LEVEL  
SD-107 1" = 1'-0"



**2** COLUMN DETAIL- FIRST LEVEL  
SD-107 1" = 1'-0"



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**FREELON**  
DESIGN & TECHNOLOGY

ADDENDUM NUMBER 1

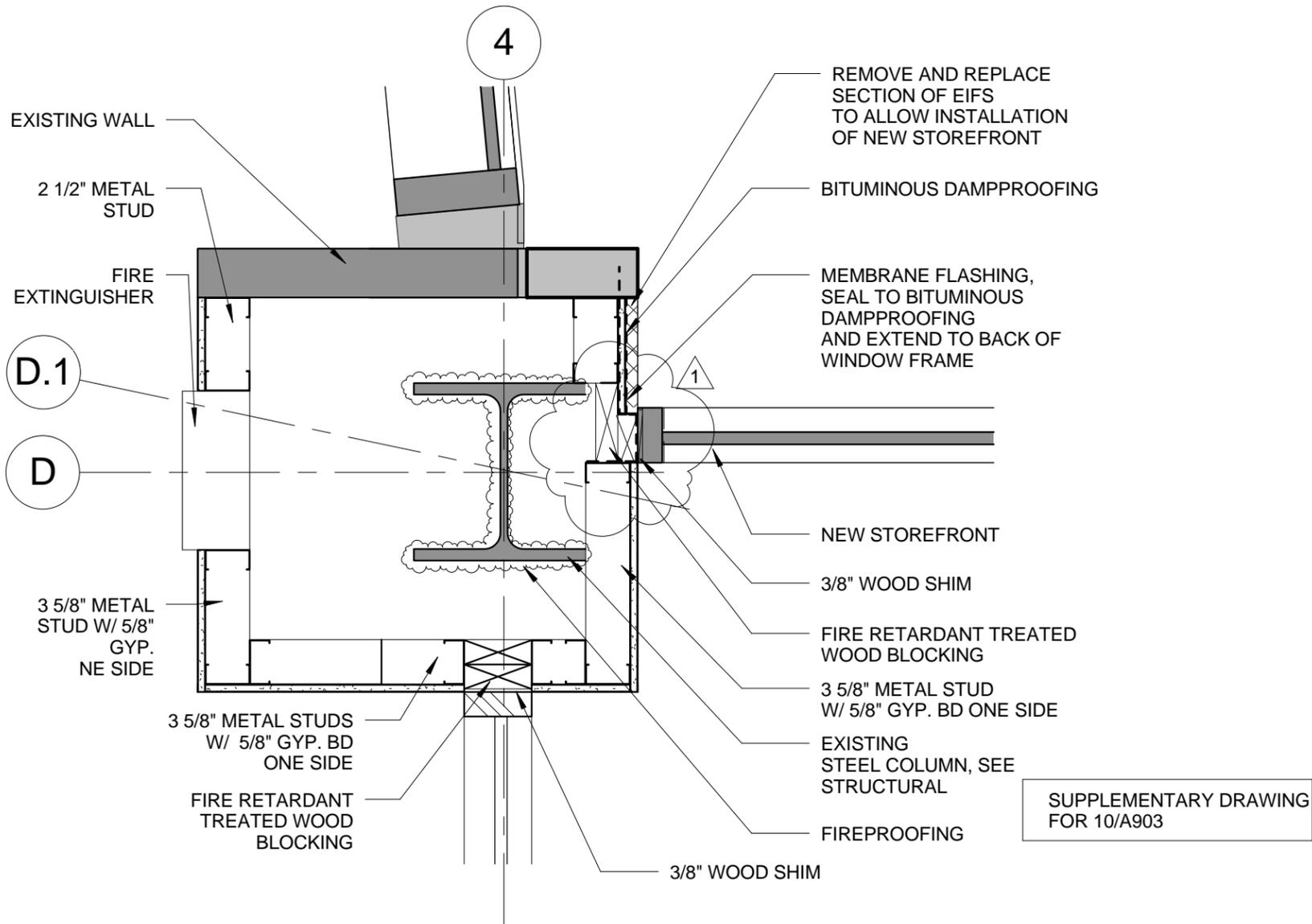
**JWRA / FREELON, a Joint Venture**

DWG NUMBER

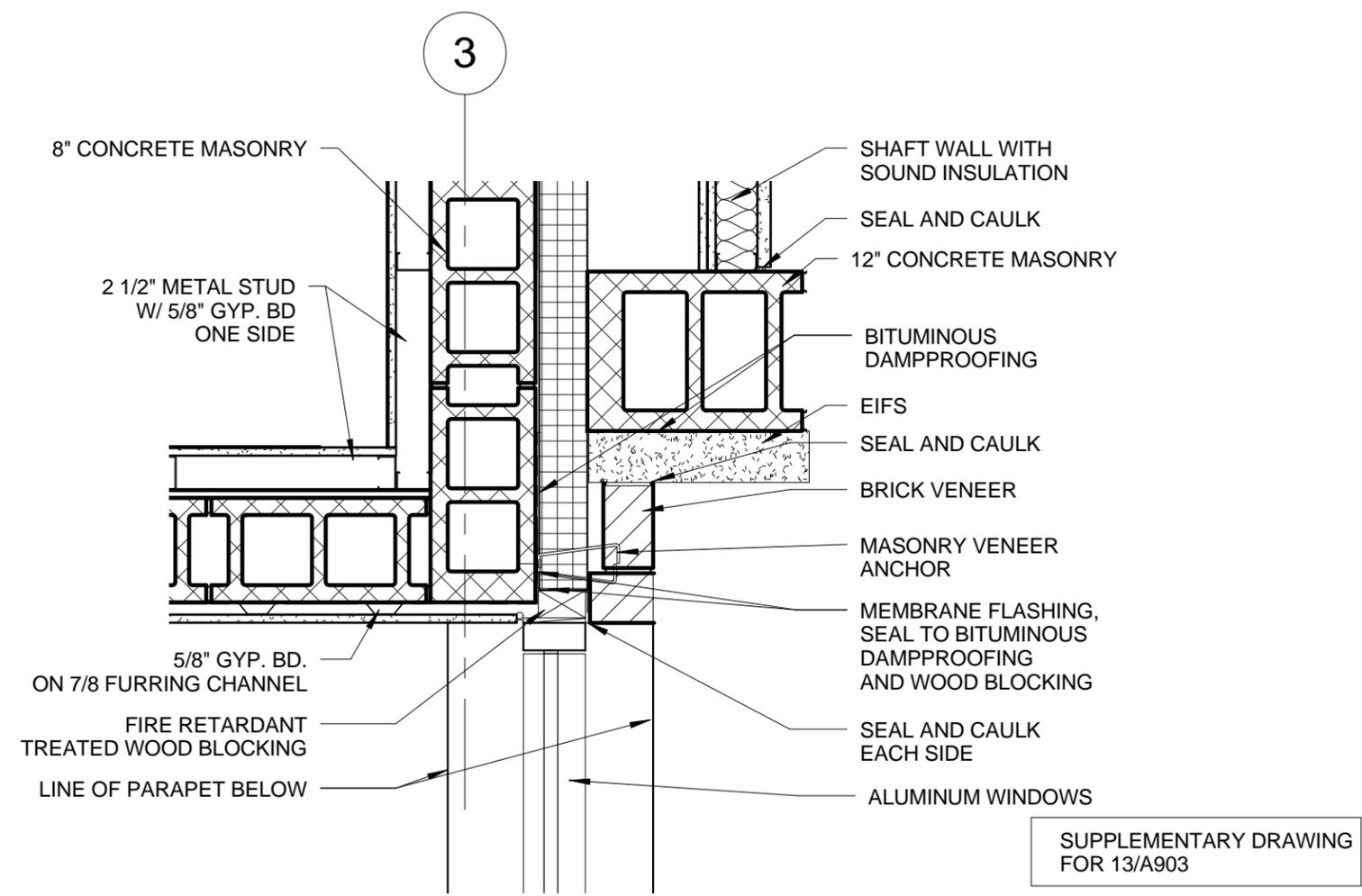
DATE: June 24, 2014

THE AUBURN AVENUE RESEARCH LIBRARY  
101 AUBURN AVENUE NE, ATLANTA, GA 30303  
PROJECT NUMBER: 11RFP80742K-DJ(L009)  
FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I

SD- 107

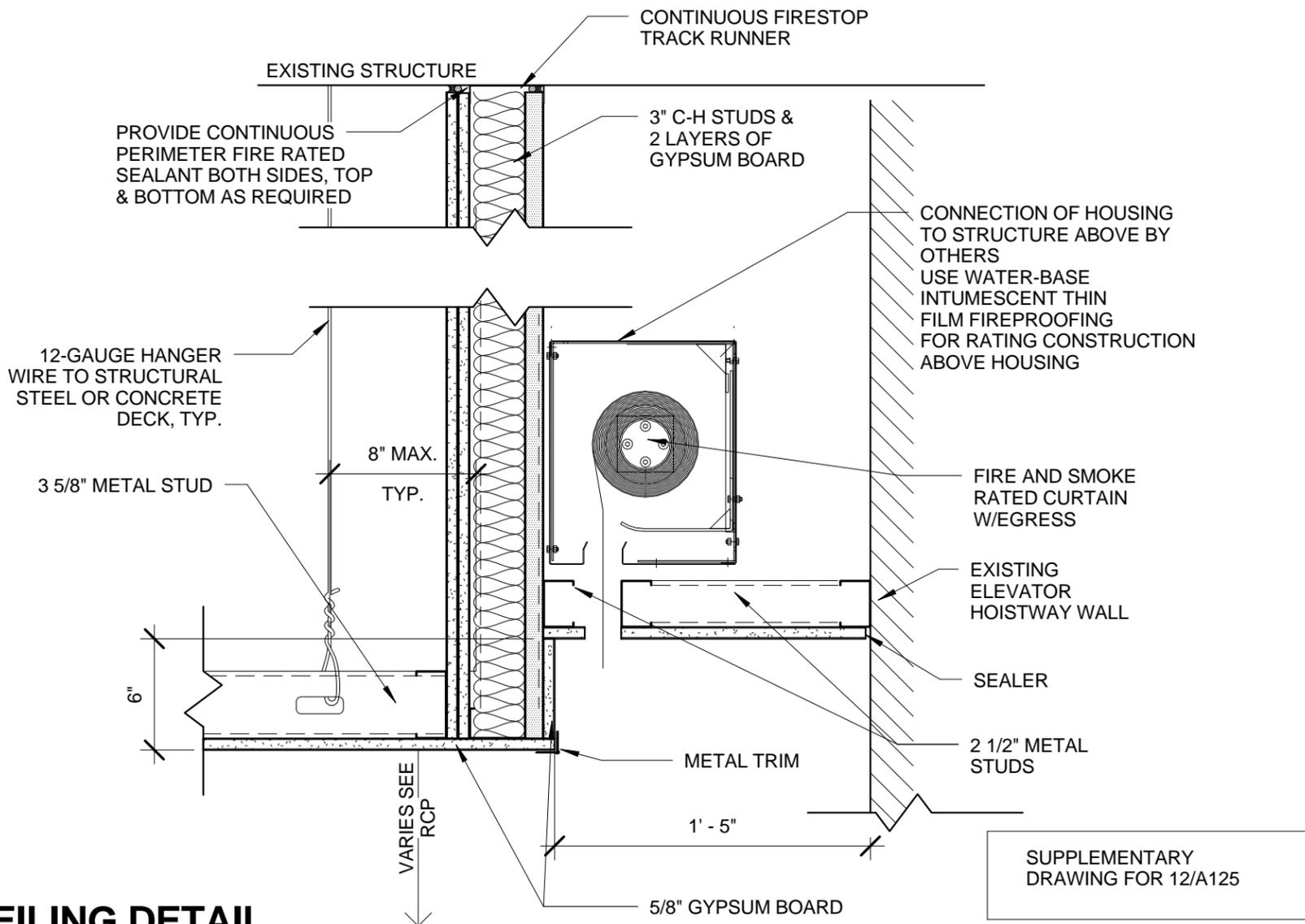


**1 COLUMN DETAIL- SECOND AND THIRD LEVEL**  
 SD-108 1" = 1'-0"



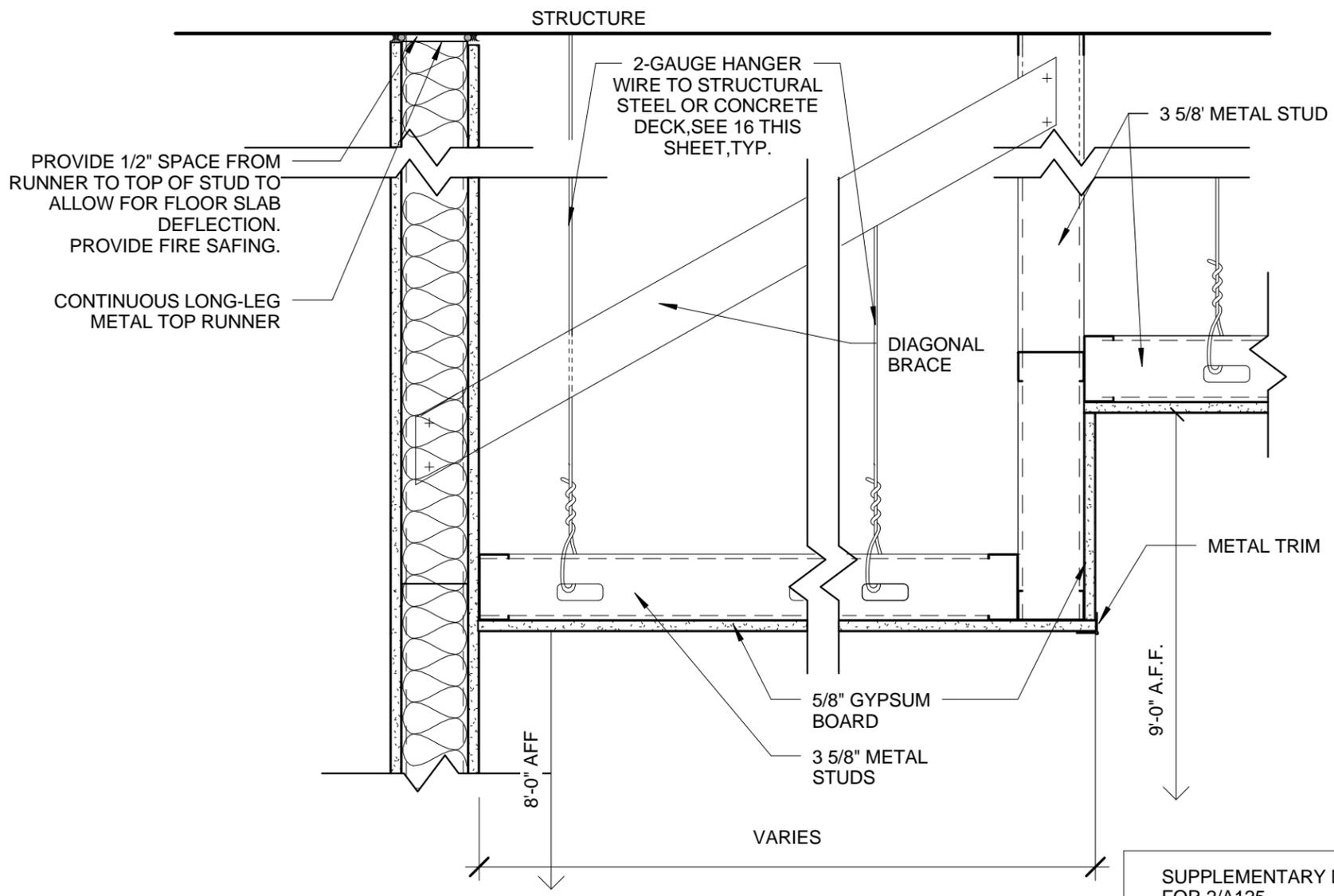
**2 PLAN DETAIL - FIRST FLOOR**  
 SD-108 1" = 1'-0"

 <b>J.W. ROBINSON &amp; ASSOCIATES, INC. FREELON GROUP, INC. JV</b> 1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310 PHONE: (404) 753-4129 FAX: (404) 753-4435		
ADDENDUM NUMBER 1	<b>JWRA / FREELON, a Joint Venture</b>	
DATE: June 24, 2014	THE AUBURN AVENUE RESEARCH LIBRARY 101 AUBURN AVENUE NE, ATLANTA, KGA 30303 PROJECT NUMBER: 11RFP80742K-DJ(L009) FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I	DWG NUMBER <b>SD- 108</b>



SUPPLEMENTARY DRAWING FOR 12/A125

**2 CEILING DETAIL**  
SD-101 1 1/2" = 1'-0"



SUPPLEMENTARY DRAWING FOR 2/A125

**1 CEILING DETAIL**  
SD-101 1 1/2" = 1'-0"

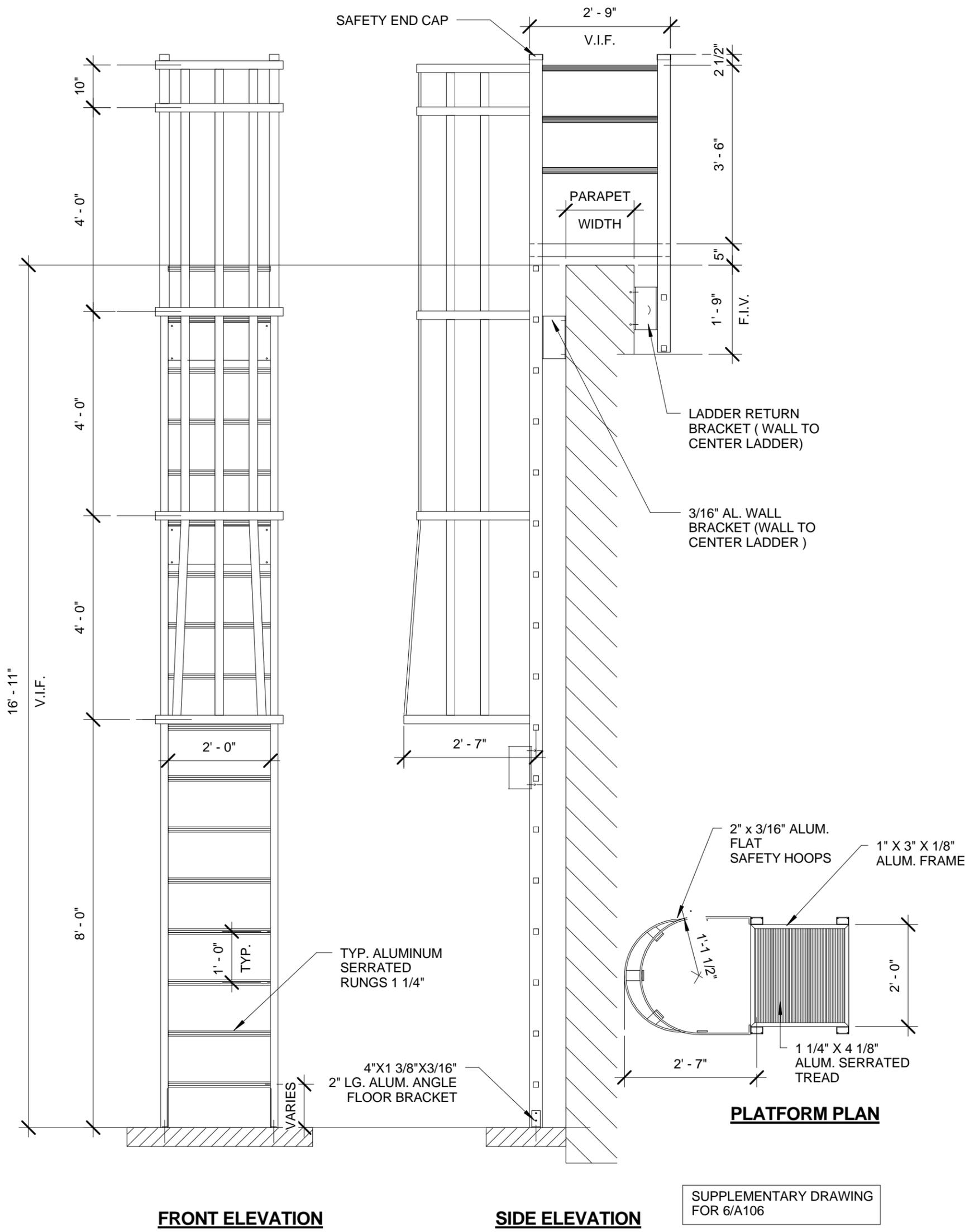


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ADDENDUM NUMBER 1	<b>JWRA / FREELON, a Joint Venture</b>	DWG NUMBER
DATE: June 24, 2014		SD- 101
THE AUBURN AVENUE RESEARCH LIBRARY 101 AUBURN AVENUE NE, ATLANTA, KGA 30303 PROJECT NUMBER: 11RFP80742K-DJ(L009) FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I		



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**FREELON**  
DESIGN & TECHNOLOGY

ADDENDUM NUMBER 1	<b>JWRA / FREELON, a Joint Venture</b>	DWG NUMBER
DATE: June 24, 2014	THE AUBURN AVENUE RESEARCH LIBRARY 101 AUBURN AVENUE NE, ATLANTA, KGA 30303 PROJECT NUMBER: 11RFP80742K-DJ(L009) FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I	SD- 109