Department of Purchasing & Contract Compliance

Fulton County, GA

October 14, 2014

Re: #14ITB93431K-MH
Renovation and Expansion at the Auburn Avenue Research Library

Dear Bidders:

Attached is one (1) copy of Addendum 4, 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

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

Delete Addendum #2 in its entirety.
Do not use any portion of Addendum #2

The attachments to this addendum will serve as replacement for Addendum # 2

ACKNOWLEDGEMENT OF ADDENDUM NO. 4

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 **October 21, 2014, 2:00 P.M.**

This is to acknowledge receipt of Addendum No. 4, _____ day of _____, 20__.

_____
Legal Name of Bidder

_____
Signature of Authorized Representative

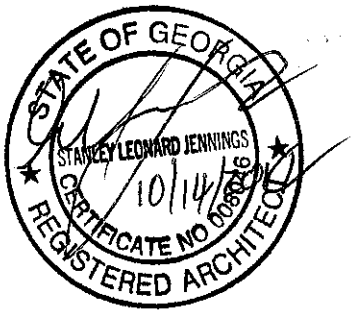
_____
Title

ADDENDUM NO. 1

FOR

AUBURN AVENUE RESEARCH LIBRARY

EXPANSION AND MANOR RENOVATIONS



sealed stamp

DATE: October 6, 2014

TO: Bidders

FROM: J.W. Robinson & Associates, Inc.
The Freelon Group, Inc. JV

RE: Auburn Avenue Research Library
101 Auburn Avenue
Atlanta, GA 30303

This Addendum is hereby made a part of the bidding documents prepared by J.W. Robinson and Associates, Inc. and the Freelon Group, Inc. JV entitled Auburn Avenue Research Library Expansion and Major Renovations located in Atlanta, GA 30303 and supersedes all similar referenced heretofore mentioned. The following items are issued to delete, add, to modify, and to clarify. These items shall have full force and effect as the contract documents and cost involved shall be included in the Bid Quotations. Please acknowledge receipt of the Addendum on Bid Form.

sealed stamp

PERTAINING TO THE SPECIFICATIONS

04200 2.06C1

ADD Keene CAV-AIR-ATOR as an approved manufacturer

0420-00 2.02B1

DELETE Color and texture to match Architect's sample
ADD Color and texture to match existing brick

07 54 23 2.01

DELETE Acceptable manufacturer- GAF Everguard Extreme 80 mil; www.GAF.com
ADD Acceptable manufacturer- GAF Everguard 80 mil; www.GAF.com

07 81 00

ADD Applied Fireproofing

09 86 53

ADD Elastomeric coating for wall surfaces

10 210-13 Plastic Toilet Compartments

ADD Colombia partitions as an approved manufacturer

1051 00 Lockers

ADD Colombia lockers as an approved manufacturer

087100 Door Hardware

08710.3.10 Existing hardware - assume that 50% will require replacement

236000-2.13B Boilers

ADD Mechanicals products, Inc. as an approved manufacturer
FOR THE FULTON ENDURA MODEL EDR - 1000

SCHNEIDER ELECTRIC is an acceptable manufacturer for Direct Digital Controls and Building Automation Systems.

PRETAINING TO THE DRAWING

1. DELETE Sheet A101-D dated August 29, 2014
   ADD Sheet A101-D dated October 6, 2014

2. DELETE Sheet A102-D dated August 29, 2014
   ADD Sheet A102-D dated October 6, 2014

3. DELETE Sheet A103-D dated August 29, 2014
   ADD Sheet A103-D dated October 6, 2014

1. DELETE A-101 dated August 29, 2014
   ADD A-101 dated October 6, 2014

2.	DELETE	A-103 dated August 29, 2014
	ADD	A-103 dated October 6, 2014
3.	DELETE	A-201 dated August 29, 2014
	ADD	A-201 dated October 6, 2014
4.	DELETE	A-202 dated August 29, 2014
	ADD	A-202 dated October 6, 2014
5.	DELETE	Sheet A104-D dated August 29, 2014
	ADD	Sheet A104-D dated October 6, 2014
6.	REVISE	Framing Notes to Sheets S-102, S-103, S-105, S-105
7.	ADD	Sheet SD-103 dated October 6, 2014
8.	ADD	Sheet SD-104 dated October 6, 2014
9.	ADD	Sheet SD-106 dated October 6, 2014
10.	ADD	SD-107 dated October 6, 2014
11.	ADD	SD-108 dated October 6, 2014
12.	ADD	SD-109 dated October 6, 2014
13.	ADD	SD-110 dated October 6, 2014
14.	ADD	SD-111 dated October 6, 2014
15.	ADD	SD-112 dated October 6, 2014
16.	DELETE	S-503 dated August 29, 2014
	ADD	S-503 dated August 29, 2014 – Revision 1
17.	DELETE	Sheet T001 dated August 29, 2014
	ADD	Sheet T001 dated October 6, 2014
18.	DELETE	Sheet T-211 dated August 29, 2014
	ADD	Sheet T-211 dated October 6, 2014
19.	DELETE	T-231 dated August 29, 2014
	ADD	T-231 dated October 6, 2014

20.	DELETE	T-232 dated August 29, 2014
	ADD	T-232 dated October 6, 2014
21.	DELETE	T-233 dated August 29, 2014
	ADD	T-233 dated October 6, 2014`
22.	DELETE	E101 dated August 29, 2014
	ADD	E101 dated October 6, 2014
23.	DELETE	E102 dated August 29, 2014
	ADD	E102 dated October 6, 2014
24.	DELETE	E520 dated August 29, ,2014
	ADD	E520 dated October 6, 2014
25.	DELETE	M101 dated August 29, 2014
	ADD	M101 dated October 6, 2014
26.	DELETE	M101D dated August 29, 2014
	ADD	M101D dated October 6, 2014
27.	DELETE	M102 dated August 29, 2014
	ADD	M102 dated October 6, 2014
28.	DELETE	M102D dated August 29, 2014
	ADD	M102D dated October 6, 2014
29.	DELETE	M103 dated August 29, 2014
	ADD	M103 dated October 6, 2014
30.	DELETE	M103D dated August 29, 2014
	ADD	M103D dated October 6, 2014

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Item #	Questions and Answers
1	**Question:** Detail 1/M601 indicates an insulated enclosure with ramp and raised floor. The manufacturer listed does not have a raised floor unit. Please clarify this requirement.
	Answer: The floor does not need to be raised. The floor only needs to be insulated. The ramp was a suggestion by a rep to remove the entrance "step" and have a smooth entrance by using a "ramp."
2	**Question:** Please provide specifications for slate sill as indicated on WSD2/A-604.
	Answer: The slate for this sill shall match the existing slate sills.
3	**Question:** Section 41A252indicates a glass handrail. The glass handrail is not indicated on the floor plans. Please provide dimensions, details and specifications.
	Answer: Provide in this Addendum No. One. See attached SD drawing.
4	**Question:** Please verify if S00213 wall panels per A-011 61A-251, A/A-253 and 5/A-253 are specifications 657500 decorative formed metal.
	Answer: The specifications for the aluminum alloy metal plate wall panels is 074213.
5	**Question:** Please verify if all the Addenda items from July 7th bid have been incorporated into the 10/14/14 bid.
	Answer: It is the Bidders responsibility to fully review the documents in their entirety.
6	**Question:** Is the ductwork in the "Stacks" rooms (204, 305, 404) considered exposed for the purposes of external insulation? Will the ductwork in these rooms require rigid insulation or will liner be sufficient?
	Answer: Ductwork is exposed. Provide ductwork with liner.
7	**Question:** Is 2" thick rubber elastomeric insulation acceptable for exterior ductwork in lieu of 3" thick polyisocyanurate rigid insulation? The rubber elastomeric insulation has the same thermal properties at 2" thick and has the benefit of better noise insulation performance. The exterior jacketing would remain as specified.
	Answer: Provide insulation with total R-value min of R17.5. R17.5 is equal to 3" of polyisocyanurate.
8	**Question:** Is 1" (or 3/4") elastomeric insulation acceptable for refrigerant and condensate piping?
	Answer: Yes.
9	**Question:** Note 2 on A-901 (located in the upper right corner of the plans) indicates the need for intumescent fireproofing where not enough clearance exists between column and stud. Please clarify which specific columns do not have enough clearance and what the minimum clearance is for applied fireproofing.
	Answer: Thickness of fireproofing cannot be specifically stated at this time. Fireproofing thickness may vary by manufacture, steel shape and size. Required protection is indicated on A001. Column details are indicated on sheets A901, A902, A903 and A904.

Item #	Questions and Answers
10	**Question:** Specification 075423 indicates a TPO roof system with a 30 Year Warranty. Specification 075500 indicates a Modified Bituminous Membrane System with a 20 Year Warranty. Please clarify which system and warranty is required.
	Answer: The TPO roof systems is an alternate. Base bid is the Modified Bituminous Membrane system. The respective warranty periods are correct.
11	**Question:** Specification 075500 Modified Bituminous Membrane Roofing references both torch applied and hot asphalt roofing. Please clarify which one is preferred.
	Answer: Modified Bituminous Membrane Roofing shall be hot asphalt.
12	**Question:** The R-Values in the roofing specifications are out of date. Please clarify if we should bid per the specifications or updated R-Values. If updated, please provide the new R-Values required.
	Answer: The R-Values are correct per the code the building was permitted under.
13	**Question:** The new roofing drawings show the roof to slope in various locations. The structural drawings appear to show that the existing roof deck slopes. However, it would appear that tapered roofing will be required. Please clarify the locations where tapered roofing will be required and where the slope of the existing deck is acceptable.
	Answer: Roof Plans and Detail sheets A-105 to A-107 comprehensively defines the roof slopes and requirements. IE detail 2/A-106 clearly shows notation for tapered insulation.
14	**Question:** Please clarify the thickness of the existing roof to be removed and the thickness of the replacement roofing.
	Answer: Thickness of existing roof must be determine during demolition operations. See sheets A-105 to A-107 for specifics of new roof.
15	**Question:** Note #3 on each of the mechanical demo drawings (M202D for example) states "contractorshall replace and/or repair any existing equipment to fully operational status and aesthetics, as required". There is no way to quantity this requirement. In order to provide an accurate proposal, we would need to know specific equipment to replace, the mechanical requirements of each of these units, and the manufacturer. If specific equipment cannot be identified prior to the bid, then I would recommend an allowance for all bidders to use. Please note that Note #1 also has a similar requirement.
	Answer: Contractors shall include an allowance of $20,000.00 to cover repair to existing equipment for items noted in General Note 1 and Key Note 3 on the Mechanical Demolition Drawings.

Item #	Questions and Answers
16	**Question:** Drawing E402 calls for metering to be installed for HVAC equipment. The note calls for E-mon D-mon metering. But there are no specifac catalog numbers for what is required. Typically, E-mon metering is used only for electrical panels, and do not come in sizes small enough to use for HVAC circuits. The meters are supposed to be connected to the BAS system, which is by others. Is it possible that the HVAC meters are by others? Can we get more information on what is actually required for the system? Specifications and/or catalog numbers for the meters would be very helpful.
	Answer: E-mon D-mon (and other listed manufacturers) offer meters for single and three phase loads for 120V, 277V, 208V and 480V and in multiple amperage ratings. This information is readily available on their websites. The catalog numbers will vary for each meter based on the size of the equipment being metered. The meters indicated on Drawing E402 are to be provided by the electrical contractor and monitored by the BAS system. The electrical contractor will need to coordinate with the BAS contractor to ensure the systems communicate properly. Mechanical Drawing M807 provides a detailed meter list (Meters for Measurement and Verification). All of the meters indicated as 'electrical meters' should be provided by the electrical contractor and coordinated as noted above. The 'variable frequency drives' (VFDs) and 'control panels' should be provided by the mechanical contractor and coordinated with the BAS contractor to ensure the systems communicate properly.
17	**Question:** Substitution Request for Southland Controls as an acceptable manufacturer for specification section 23 80 00, Direct Digital Controls and Building Automation.
	Answer: Southland Controls Substitution Request is not accepted.
18	**Question:** Substitution Request for Garlock Safety Systems as an acceptable manufacturer for guardrail and skylight protection systems.
	Answer: Garlock Safety Systems Substitution Request is not accepted.

DATE	SHEET	COMMENT	
8/19/2014	A-105	Add Plan Keynote #3 to elevator machine room south & north walls. Masonry needs to be filled in where old AC unit and exhaust fan were located.	
		Answer: Contractor shall patch and repair hole on elevator penthouse where ac unit and exhaust fan was removed with same material and finish as immediate wall surround.	
8/22/2014	A-103	Room 307, electrical/Telecomm area - Patch 6" diameter hole in slab.	
		Answer: Room 307, electrical / telecomm area Contractor shall patch and finish 6" diameter hole in floor slab.	
8/22/2014	A-103-D & A-103	There is an existing metal angle that closes off the joint between brick columns and drywall wall/window. Replace this existing metal angle with wood detail that is same as on the second floor in the same area.	
		Answer: The Contractor shall remove the angle and install 1 by wood trim to match the existing detail on the second floor.	
8/22/2014	A-101	In existing data room by the north wall there are three 4" conduit in floor that are capped with plywood, plywood needs to be removed and replaced with metal caps.	
		Answer: The Contractor shall cap the three "4 pieces of conduit in the floor with metal caps located in the existing data room near the north wall.	
8/22/2014	A-601	Door 122.1 is an existing door, but has not glass/trim installed. If you are re-using existing, a glass and trim kit needs to be installed in this door with proper rating.	
		Answer: Contractor to install A 1/16" metal plate on both sides to close opening.	
8/22/2014	A-101	In mechanical room, mezzanine level - need to add a guard rail along the south edge of elevated platform.	
		Answer: Contractor to provide pipe guard rail at the south edge of the mechanical room elevated platform to match the pipe rail at the north edge of the elevated platform. See SD-111 this Addendum.	
8/22/2014	A-101	Please add note by door C101.1 - Repair crack in concrete slab.	
		Answer: The Contractor to repair crack in the concrete floor slab noted on A101-D	
8/22/2014	A-101 & A-311	The CMU at both sides of the loading dock door needs to be replaced. Door 109.2 and loading dock wall protection will need to be removed and re-installed.	
		Answer: See A101-D this Addendum.	

DATE	SHEET	COMMENT	
8/22/2014	L200	3/A-201 refers you to landscape drawings to get more information on replacing guardrail at loading dock. Nothing on landscape drawings refers to this guard rail. This rail does need to be replaced, it has been hit and is bent. Please include a design for this guardrail and if rail can stop when ramp is under 30" tall that would be great.	
		Answer: The Contractor shall remove the damaged pipe rail at the ramp of the loading dock. Reduce the length of the rail approx 15 feet (plus/minus) at the second vertical that is about 30 inches above the ramp. Paint the ramp at this location yellow to identify the ramp.	
8/22/2014	A-201	3/A-201 does not show the exposed steel beam/fireproofing in CMU wall on exterior of building. This needs to be covered with masonry or another exterior wall system. Need details showing how to cover this beam.	
		Answer: Contractor shall cover the exposed fireproofing in the exterior cmu wall with a flat plate anchored to the existing cmu wall. See A201 this Addendum.	
8/22/2014	A-201	Add note to 3/A-201 to paint existing CMU exterior wall by loading dock.	
		Answer: Note shown to paint, cmu, jambs and doors on documents. See A-S201 this Addendum.	
8/22/2014	A-101-D thru A-104-D	Add note to Stair #2 and Stair #4 to remove all loose cables/cables in stairwells.	
		Answer: Note shown on documents to remove all loose cables/cables in stairs.	
9/9/2014	A-202	Add to note on elevation 2/A-202 - to repair "black granite" sills on Courtland. JWRA to advise and provide an acceptable repair detail.	
		Answer: The Contractor shall patch and repair the broken granite window sill on the west elevation. The patch repair and finish per the industry standards. See drawings A201 and A202.	
9/9/2014	A-102-D & A-103-D	Floor box is located within the wall that runs from column D1 to column D2 on floors 2 & 3. These boxes need to be demoed or relocated and walls repaired.	
		Answer: Floor box built into wall and floor is noted to be demolished on the documents in Addendum No. 1. Floor and wall to be patched and finished as necessary.	
9/9/2014	A-101-D	No note to remove wall covering in existing 1st floor staff area.	
		Answer: Contractor to remove existing wall covering in rooms 107, 203, 303, and 304 and prep walls for future painting.	
9/9/2014	A-103-D	Add note to remove 1x4 and shelving anchors in wall. Patch and paint.	
		Answer: See A-103-D this Addendum	
9/9/2014	T-001	Add "PP" symbol and description to Security System Legend	
		Answer: See TLC drawing this Addendum	

DATE	SHEET	COMMENT	
9/9/2014	T-211	Add interior handicap door push button at front & back entrances.	
		Answer: See TLC drawing this Addendum	
9/9/2014	T-211	Add exterior handicap door push button at back entrance (assume this is what "PP" is).	
		Answer: See TLC drawing this Addendum (PP = handicap door operator push plate)	
9/9/2014	A-903	Detail 10/A-903- fill gap between vertical mullion and column.	
		Answer: The Contractor shall install a piece of painted break metal (to match existing curtainwall mullion finish) to close the space. The metal shall be in the shape of a z. Contractor shall also provide sealants at mullions/break metal.	
9/9/2014	C2.0	Add note to demo section of exposed pipe in parking lot by loading dock, saw cut and repair existing asphalt.	
		Answer: The Contractor shall saw cut the existing asphalt paving at the exposed pipe and install new asphalt to repair the hole in the parking area near the existing loading dock.	
NOTE: All interior and exterior Door 1 frames shall be painted.			

SECTION 07 81 00
APPLIED FIREPROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Fireproofing of interior structural steel.

B. Fireproofing of exterior exposed structural steel.

C. Preparation of fireproofing for application of finish specified elsewhere.

1.02 RELATED REQUIREMENTS

A. Section 05 12 00 - Structural Steel Framing.

B. Section 05 21 00 - Steel Joist Framing.

C. Section 05 31 00 - Steel Decking.

D. Section 07 84 00 - Firestopping.

E. Section 09 21 16 - Gypsum Board Assemblies: Gypsum board fireproofing.

1.03 REFERENCE STANDARDS

A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2013a.

B. ASTM E605 - Standard Test Methods for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members; 1993 (Reapproved 2011).

C. ASTM E736 - Standard Test Method For Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members; 2000 (Reapproved 2011).

D. ASTM E759 - Standard Test Method for Effect of Deflection on Sprayed Fire-Resistive Material Applied to Structural Members; 1992 (Reapproved 2011).

E. ASTM E760 - Standard Test Method for Effect of Impact on Bonding of Sprayed Fire-Resistive Material Applied to Structural Members; 1992 (Reapproved 2011).

F. ASTM E859 - Standard Test Method for Air Erosion of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members; 1993 (Reapproved 2011).

G. ASTM E937 - Standard Test Method for Corrosion of Steel by Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members; 1993 (Reapproved 2011).

H. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi; 2009.

I. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordinate with placement of ceiling hanger tabs, mechanical component hangers, and electrical components.

B. Preinstallation Meeting: Convene one week before starting work of this section.

1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittals procedures.

B. Product Data: Provide data indicating product characteristics.

C. Test Reports: Reports from reputable independent testing agencies for proposed products, indicating compliance with specified criteria, conducted under conditions similar to those on project, for:
   1. Bond Strength.
   2. Bond Impact.
   3. Compressive Strength.
   4. Fire tests using substrate materials similar those on project.

D. Manufacturer's Installation Instructions: Indicate special procedures.

E. Manufacturer's Certificate: Certify that sprayed-on fireproofing products meet or exceed requirements of contract documents.

F. Manufacturer's Field Reports: Indicate environmental conditions under which fireproofing materials were installed.

1.06 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.

B. Installer Qualifications: Company specializing in performing work of the type specified in this section, and:
   1. Having minimum 5 years of documented experience.
   2. Approved by manufacturer.

1.07 MOCK-UP

A. Construct mock-up, 100 square feet in size.

B. Conform to project requirements for fire ratings.

C. Locate where directed.

D. Examine installation within one hour of application to determine variances from specified requirements due to shrinkage, temperature, and humidity.

E. Where shrinkage and cracking are evident, adjust mixture and method of application as necessary. Remove materials and re-construct mock-up.

F. Mock-up may remain as part of the Work.

1.08 FIELD CONDITIONS

A. Do not apply spray fireproofing when temperature of substrate material and surrounding air is below 40 degrees F or when temperature is predicted to be below said temperature for 24 hours after application.

B. Provide ventilation in areas to receive fireproofing during application and 24 hours afterward, to dry applied material.

C. Provide temporary enclosure to prevent spray from contaminating air.

1.09 WARRANTY

A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

B. Correct defective Work within a five year period after Date of Substantial Completion.
   1. Include coverage for fireproofing to remain free from cracking, checking, dusting, flaking, spalling, separation, and blistering.
   2. Reinstall or repair failures that occur within warranty period.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Sprayed-On Fireproofing:
   1. Carboline Company: www.carboline.com.
   2. Grace Construction Products: www.na.graceconstruction.com.
   3. Isolatek International Inc; Product ISOLATEK Type II: www.isolatek.com.
   4. Southwest Fireproofing Products Company: www.sfrm.com.
   5. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 FIREPROOFING ASSEMBLIES

A. Provide assemblies as indicated on the drawings.

B. Provide fire-resistance ratings for the following building elements as required by the building code:
   1. Primary structural frame, including columns, girders, and trusses: 3 hours.
   2. Bearing walls, exterior: 3 hours.
   3. Floor construction, including supporting beams and joists: 2 hours.
   4. Roof construction, including supporting beams and joists: 1.5 hours.

2.03 MATERIALS

A. Sprayed Fire-Resistive Material for Interior Applications: Manufacturer's standard factory mixed material, which when combined with water is capable of providing the indicated fire resistance, and conforming to the following requirements:
   1. Composition: Portland-cement-based, not mineral fiber-based.
   2. Bond Strength: 150 pounds per square foot, minimum, when tested in accordance with ASTM E736 when set and dry.
   3. Dry Density: Minimum average density of 15 lb/cu ft, with minimum individual density of any test sample of 14 lb/cu ft, when tested in accordance with ASTM E605.
   4. Effect of Impact on Bonding: No cracking, spalling or delamination, when tested in accordance with ASTM E760.
   5. Corrosivity: No evidence of corrosion, when tested in accordance with ASTM E937.
   6. Air Erosion Resistance: Weight loss of 0.025 g/sq ft, maximum, when tested in accordance with ASTM E859 after 24 hours.
   7. Surface Burning Characteristics: Maximum flame spread of 0 and maximum smoke developed of 0, when tested in accordance with ASTM E84.
   8. Effect of Deflection: No cracking, spalling, or delamination, when tested in accordance with ASTM E759.
   9. Fungal Resistance: No growth after 28 days when tested according to ASTM G21.
   10. Products:

B. Sprayed Fire-Resistive Material for Exterior Applications: Manufacturer's standard factory mixed material, which when combined with water is capable of providing the indicated fire resistance, and conforming to the following requirements:
   1. Composition: Portland-cement-based, not mineral fiber-based.
   2. Bond Strength: 1000 pounds per square foot, minimum, when tested in accordance with ASTM E736 when set and dry.
   3. Effect of Impact on Bonding: No cracking, spalling or delamination, when tested in accordance with ASTM E760.
   4. Corrosivity: No evidence of corrosion, when tested in accordance with ASTM E937.
   5. Air Erosion Resistance: Weight loss of 0.025 g/sq ft, maximum, when tested in accordance with ASTM E859 after 24 hours.
   6. Surface Burning Characteristics: Maximum flame spread of 0 and maximum smoke developed of 0, when tested in accordance with ASTM E84.

2.04 ACCESSORIES

A. Primer Adhesive: Of type recommended by fireproofing manufacturer.

B. Overcoat: As recommended by manufacturer of fireproofing material.

C. Metal Lath: Expanded metal lath; 3.4 lb/sq ft, galvanized finish.

D. Water: Clean, potable.

PART 3 EXECUTION - NOT USED

3.01 EXAMINATION

A. Verify that surfaces are ready to receive fireproofing.

B. Verify that clips, hangers, supports, sleeves, and other items required to penetrate fireproofing are in place.

C. Verify that ducts, piping, equipment, or other items that would interfere with application of fireproofing have not been installed.

D. Verify that voids and cracks in substrate have been filled. Verify that projections have been removed where fireproofing will be exposed to view as a finish material.

3.02 PREPARATION

A. Perform tests as recommended by fireproofing manufacturer in situations where adhesion of fireproofing to substrate is in question.

B. Remove incompatible materials that could affect bond by scraping, brushing, scrubbing, or sandblasting.

C. Prepare substrates to receive fireproofing in strict accordance with instructions of fireproofing manufacturer.

D. Protect surfaces not scheduled for fireproofing and equipment from damage by overspray, fall-out, and dusting.

E. Close off and seal duct work in areas where fireproofing is being applied.

3.03 APPLICATION

A. Install metal lath over structural members as indicated or as required by UL Assembly Design Numbers.

B. Apply primer adhesive in accordance with manufacturer's instructions.

C. Apply fireproofing in thickness and density necessary to achieve required ratings, with uniform density and texture.

D. Apply overcoat at the rate recommended by fireproofing manufacturer.

3.04 FIELD QUALITY CONTROL

A. Inspect the installed fireproofing after application and curing for integrity, prior to its concealment. Ensure that actual thicknesses, densities, and bond strengths meet requirements for specified ratings and requirements of the Authority Having Jurisdiction.

B. Re-inspect the installed fireproofing for integrity of fire protection, after installation of subsequent Work.

3.05 CLEANING

A. Remove excess material, overspray, droppings, and debris.

B. Remove fireproofing from materials and surfaces not required to be fireproofed.

END OF SECTION 07 81 00

SECTION 09 86 53
ELASTOMERIC COATING FOR WALL SURFACES

PART 1- GENERAL

1.01 DESCRIPTION

A. This specification describes installation of Elastomeric coating for masonry and masonry patch surfaces.

1.02 GENERAL

A. Whenever the words approved by, equivalent, or similar phrases are used in this specification, they shall be understood to mean that the material, process or item referred to shall require the written approval of the Engineer and the coating manufacturer.

B. This specification shall be read in conjunction with project specifications and/or drawings indicating the precise extent of work and the use and location of specific materials.

1.03 WORK INCLUDED

A. Provide all labor, materials, equipment and services necessary to complete the following Elastomeric coating application work:

B. Preparation of all surfaces to receive Elastomeric coating. (Refer to Section 4500 Masonry Restoration with regard to cleaning and repair prior to Elastomeric coating.)

C. Protection of surfaces not to be treated, using polyethylene sheets or removable masking agent.

D. (c) Application of Elastomeric coating materials by roller or airless spray. Application procedures and coverage rates to be employed in application of the treatment are dependent upon the condition of the substrate and the results of testing conducted at the jobsite prior to beginning general application.

1.04 RELATED WORK

A. Refer to specifications covering the following related work items:

B. Repairs and cleaning of masonry surfaces. Section 04500.

C. Repairs to expansion joints and application of joint sealants. Section 07900.

1.05 WEATHER CONDITIONS

A. The installation of, as well as the subsequent curing of all Elastomeric coating work shall be governed by the following:
   1. No work shall commence if precipitation is expected. In case of unexpected precipitation, work shall cease immediately and all uncured work shall be covered with polyethylene tarps.
   2. Normal Elastomeric coating application as outlined in this specification shall be carried out when ambient and subsurface temperatures during application and ultimate cure fall between 40 degrees F (4 degrees C) and 95 degrees F (35 degrees C), and when temperature is a minimum of 5 degrees F (3 degrees C) above the dew point.
   3. If ambient or subsurface temperature is expected to rise above 95 degrees F (30 degrees C) during application and curing, the hot weather precautions outlined in item 3 of this section shall be followed.
   4. If ambient or substrate temperatures are below 50 F (10 C), follow the cold weather precautions as outlined in Section 2, below.
   5. Do not proceed with application over damp substrates. The surface should be dry to a maximum 4% moisture content; alternatively moisture content must be determined to be within the acceptable limits by performing an ASTM plastic sheet moisture test for no less than 24 hours.

B. Cold Weather Precautions
   1. Store all materials in heated area or vehicle at 65 degrees F min. (15 C) until just prior to use.
   2. Do not proceed with application if temperature is below 40 F (4 C) or if ice or frost are evident on the substrate.

C. Hot Weather Precautions
   1. Store all materials in cool area, 75 degrees F max. (24 C) until just before use.
   2. Do not work in direct sun at temperatures above 95 degrees F (35 C).

1.06 SUPERVISION

A. Applicator must present certification from the Manufacturer that he is a licensed Applicator for the Elastomeric coating specified. Supervision of the execution of all work under this specification, to the extent deemed necessary by the elastomeric coating manufacturer, shall be arranged and paid for by the Applicator in order to ensure that all work is carried out in strict accordance with this specification and is eligible for coverage under the Manufacturer's 5-Year Limited Warranty Program.

1.07 TESTING AND APPROVALS

A. Submit manufacturer's literature, specifications and application instructions for Elastomeric coating materials.

B. Testing will be conducted on each surface exposure in unobtrusive locations on representative surface conditions. Tests will employ the cleaning and other surface preparation techniques proposed for the overall project, followed by application of the specified treatment employing the proposed application procedures and equipment. General application shall not proceed until test areas are approved by the owner's representative.

1.08 LIMITED WARRANTY

A. Applicator shall be required to present a validated Certificate of Limited Warranty from the coating manufacturer, covering all defects in materials and materials performance for the five year period following installation. Applicator shall be required to execute the workmanship section of the warranty, providing five years free replacement of defective workmanship.

B. Warranty shall not include damages due to abuse, construction operations, structural settling or other latent defect in building design or construction, natural disasters such as earthquake or hurricane, or catastrophic events such as fire. Warranty shall include repair or replacement at no charge to Owner of any materials which lose effectiveness or adhesion during the five year limited warranty period.

PART 2 ELASTOMERIC COATING MATERIALS

2.01 DESCRIPTION

A. This specification describes the materials used in, and in conjunction with Elastomeric coating treatment.

2.02 PERFORMANCE

A. All Elastomeric coating materials shall be produced by a single manufacturer, and shall be eligible for coverage under the Manufacturer's 5-Year Limited Warranty program. All materials shall be delivered to jobsite in unopened containers bearing manufacturers' original labels and markings. Elastomeric coating shall provide effective reduction in substrate water absorption, ability to bridge small working cracks up to 50 mils (.050") in width, shall maintain a minimum 100% elongation at 0 degrees F (-17 C) and 300% elongation at 75 degrees F (24 C).

B. The elastomeric coating shall be a pigmented, one component proprietary acrylic elastomer product formulated for application to vertical and horizontal masonry surfaces, and shall comply with local V.0. C. regulations.

2.03 ACCEPTABLE PRODUCTS AND MANUFACTURERS:

A. Elastomeric coating Basis of design:
   1. Elastowall 351, as manufactured by Edison Coatings, Inc., Plainville, CT (800) 697-8055.
   2. Tremco; Vulkem TREMGard E
   3. AcryLabs 2200-15 Elastomeric Wall Coating (866) 273.1355
   4. Gacoflex A-3200 series (800) 331.0196

B. Elasto-Mastic 352, as manufactured by Edison Coatings, Inc., Plainville, CT (800) 697- 8055.

C. Primer: Wall coating manufacturer's recommended, factory-formulated, alkali-resistant primer compatible with substrate and other materials indicated.
   1. TREMGard H/P Primer

D. Flexi-Seal 510, as manufactured by Edison Coatings, Inc., Plainville, Ct (800) 697-8055.

E. Polyurethane sealant:
   1. HYDROSPAN ES-400 GG, Edison Coatings, Inc., Plainville, CT (800) 697-8055.

2.04 STORAGE & HANDLING

A. Store all components at room temperature, off the floor, dry.

B. Observe all safety and handling information as shown on the Material Safety Data Sheets supplied by the Manufacturer.

PART 3: EXECUTION

3.01 DESCRIPTION

A. This specification describes the preparation required for various surfaces which are to receive elastomeric coating, and the application of same.

3.02 GENERAL

A. Prior to the application of elastomeric coating all surfaces must be prepared in accordance with this section of the specifications.

B. The result of this preparation shall render a surface clean, meaning having complete exposure of sound, rough surface without any deposits of contaminants, coatings, compounds, laitance, foreign matter or loose material which could affect the bond between the surface and elastomeric coating materials.

C. Scaled or delaminated surfaces shall be repaired or resurfaced in accordance with specifications for masonry repair, Section 04500.

D. Surfaces to receive elastomeric coating must be surface dry prior to coating.

E. All caulking, patching, crack repair materials and joint sealants should be installed prior to application of the elastomeric coating. New patching materials shall have cured a minimum of 3 days prior to application, and shall be through-dry.

3.03 EXAMINATION

A. Protection: Protect adjacent Work areas and finish surfaces from damage during coating application.

B. Prepare surfaces in accordance with manufacturer's instructions.

C. Ensure that substrate is sound, clean, dry, and free of dust, dirt, oils, grease, laitance, efflorescence, mildew, fungus, biological residues, and other contaminants that could prevent proper adhesion.

D. Ensure concrete substrates have a minimum 28-day cure and are free of bond-inhibiting contaminants.

E. Clean surface to achieve texture similar to medium grit sandpaper.

F. Repair holes and spalled and damaged concrete with repair materials approved by coating manufacturer.

G. Remove protruding concrete accessories and smooth out irregularities.

H. When chemical cleaners are utilized, neutralize compounds and fully rinse surface with clean water. Allow surface to dry before proceeding.

I. Remove blisters and delaminated areas and sand edges to smooth rough areas and provide transition to existing paint areas.

J. Check adhesion of existing paint in accordance with ASTM D 3359, measuring adhesion by Tape Method A.

K. Treat cracks greater than 1/4 inch (6mm) as expansion joints and fill with sealant approved by coating manufacturer.

L. Prepare and treat cracks in accordance with manufacturer's instructions.

3.04 CRACK REPAIRS

A. All surface cracks wider than.008" (0.2mm) shall be repaired in accordance with this section of the specifications.

B. Cracks less than 1/16" (1.5 mm) wide shall be sealed after cleaning has been performed using elastomeric crack filler. (Refer to Section 04500 and drawings for locations and methods for each type of crack and crack sealant to be used.) Crack shall be cleared of all loose debris and dirt and widened slightly at the surface to accommodate crack filler application. Apply crack sealant by knifing into the crack or gunning over the crack surface, followed by tooling to match adjacent surface profile, pressing the sealant into the crack cavity to fill completely.

C. Allow sufficient curing time for all sealants to dry-through before proceeding with elastomeric coating application. At least 24 hours are required.

3.05 INSTALLATION

A. 1. If primer has been selected for use, apply primer to clean, dry or damp surfaces using airless spray. The primer acts as a sealer and surface chalk consolidant for porous surfaces, and should be applied in such a manner as to saturate the surface, but to avoid excessive rundown. Apply primer from the bottom up, avoiding heavy runs. Allow primer to dry tack-free prior to top coating.

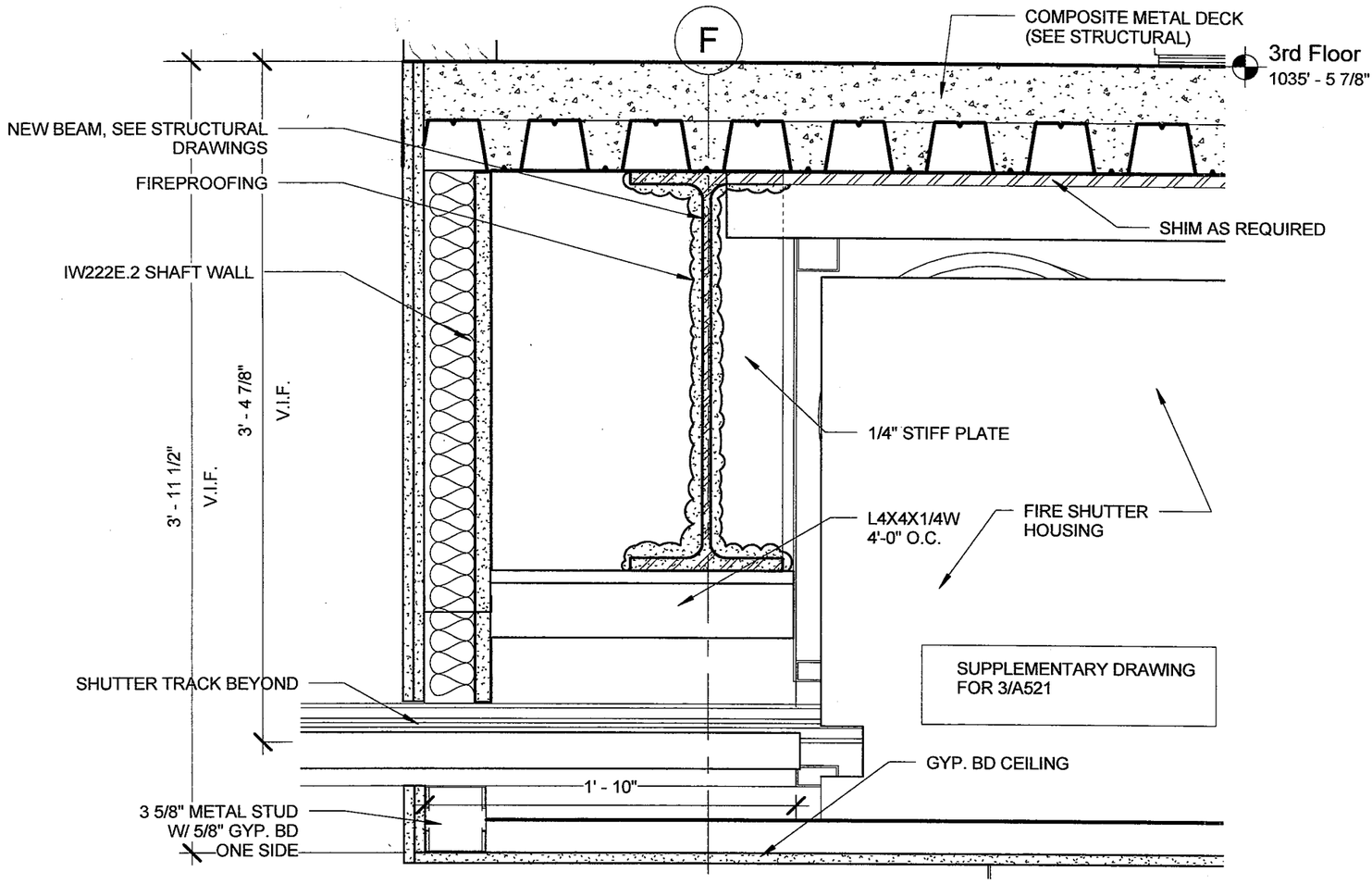
B. 2. Elastomeric coating shall be applied to dry surfaces by phenolic core roller or airless spray at a rate of 100-125 sq. ft. per gallon. Product shall be applied as evenly as possible at 14 - 16 mils wet film thickness.

1. Allow the first coat to dry-through completely prior to second coat application. Through-dry coating will be seen as tough, firm material which does not extrude or appear to be "skinned over".
2. Protect all uncured surfaces from rain, dirt, traffic and wind-blown debris for at least 2 - 4 hours after application. For horizontal/traffic bearing surfaces, coating should be tack- free and through-cured before subjecting to traffic or immersion. Cure rate is affected by temperature and other application parameters.

3.06 CLEANING AND PROTECTION

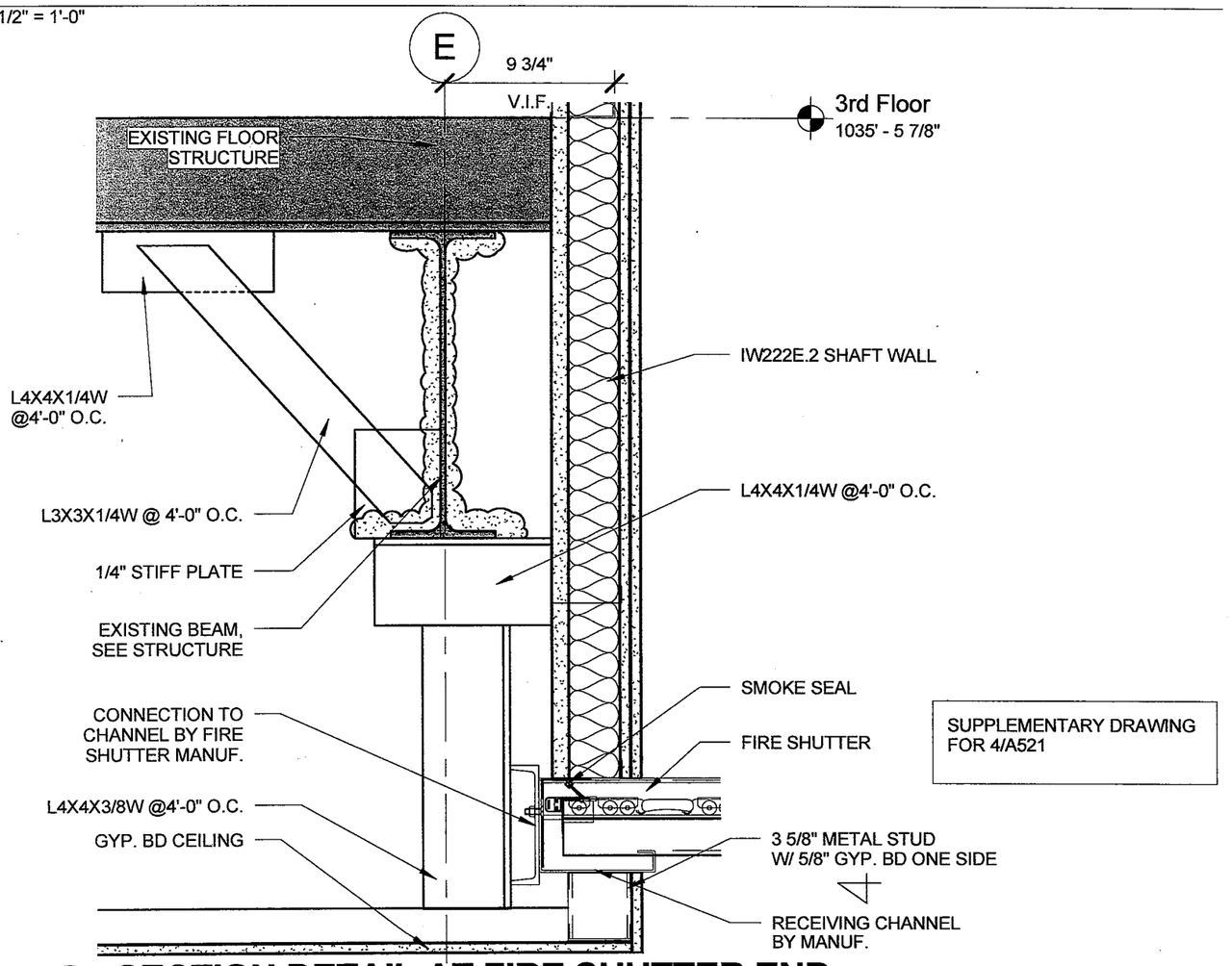
A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

END OF SECTION 09 86 53



1 SD-103 SECTION DETAIL AT FIRE SHUTTER HOUSING

1 1/2" = 1'-0"



2 SD-103 SECTION DETAIL AT FIRE SHUTTER END

1 1/2" = 1'-0"

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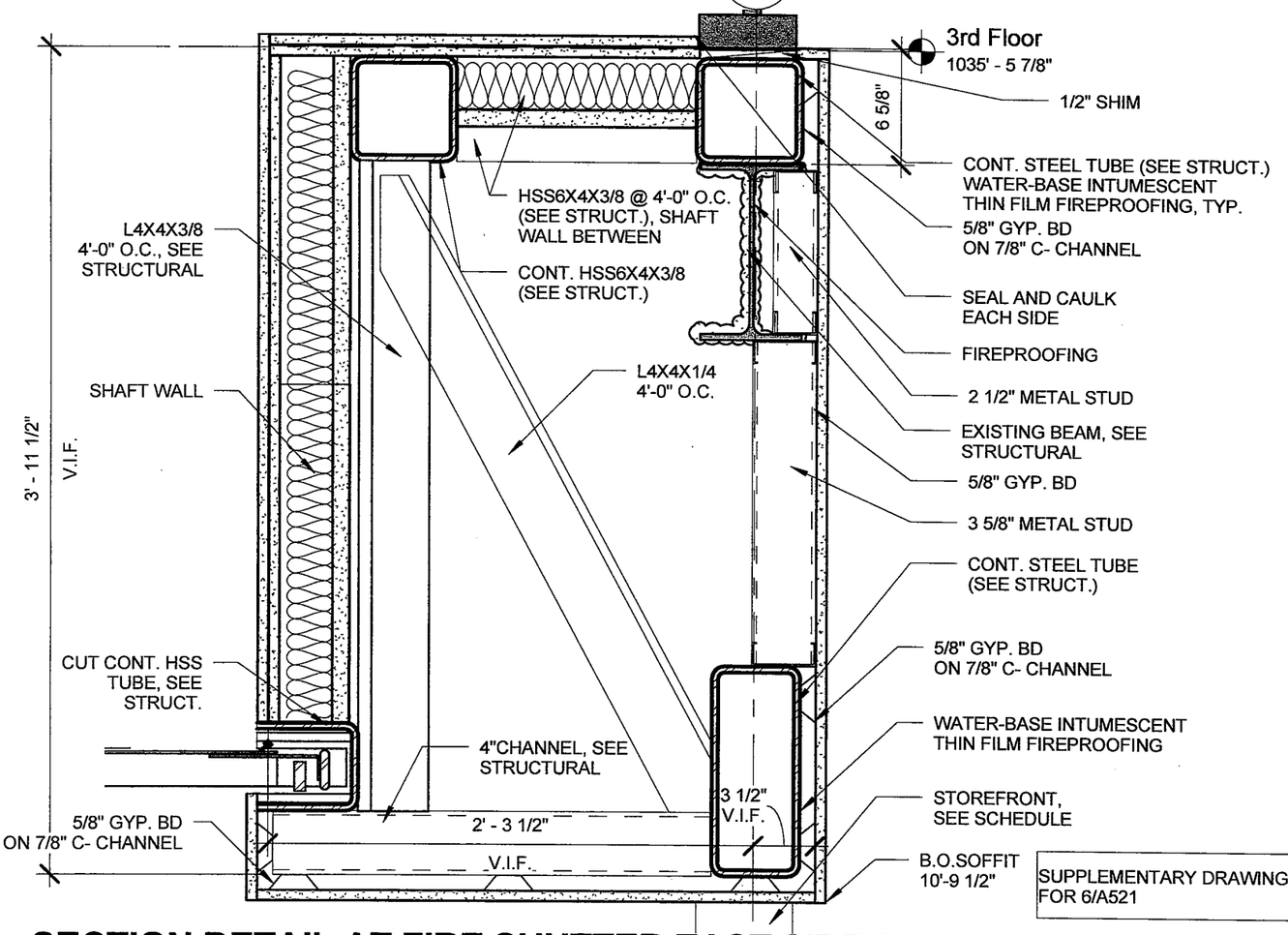
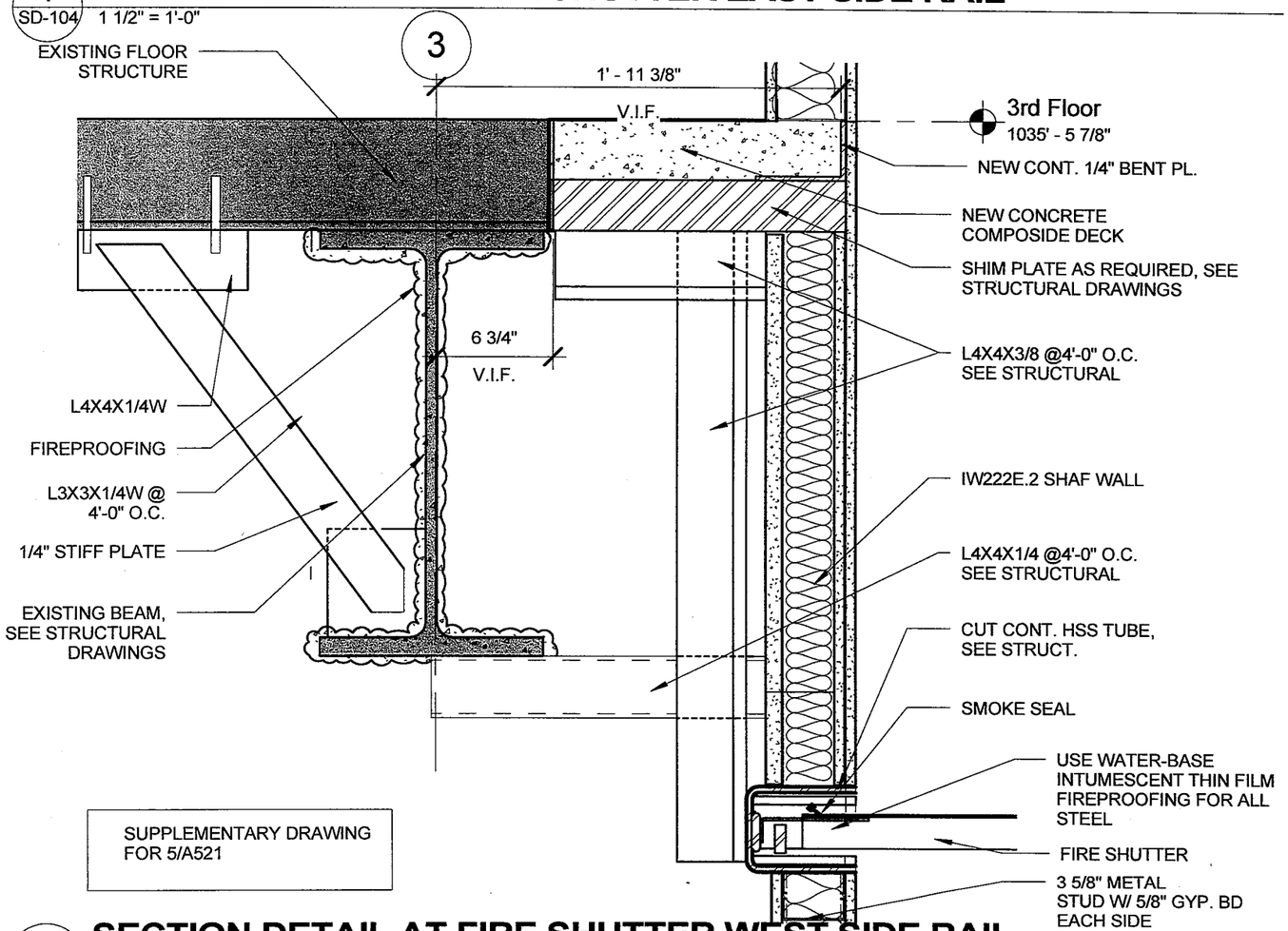
1020 RALPH DAVID ABERNATHY BLVD., S.W., ATLANTA, GEORGIA 30310
PHONE: (404) 753-4129 FAX: (404) 753-4435

ADDENDUM NUMBER 1	***JWRA / FREELON, a Joint Venture***	DWG NUMBER
DATE: October 06, 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



1 SD-104 SECTION DETAIL AT FIRE SHUTTER EAST SIDE RAIL

1 1/2" = 1'-0"



2 SD-104 SECTION DETAIL AT FIRE SHUTTER WEST SIDE RAIL

1 1/2" = 1'-0"

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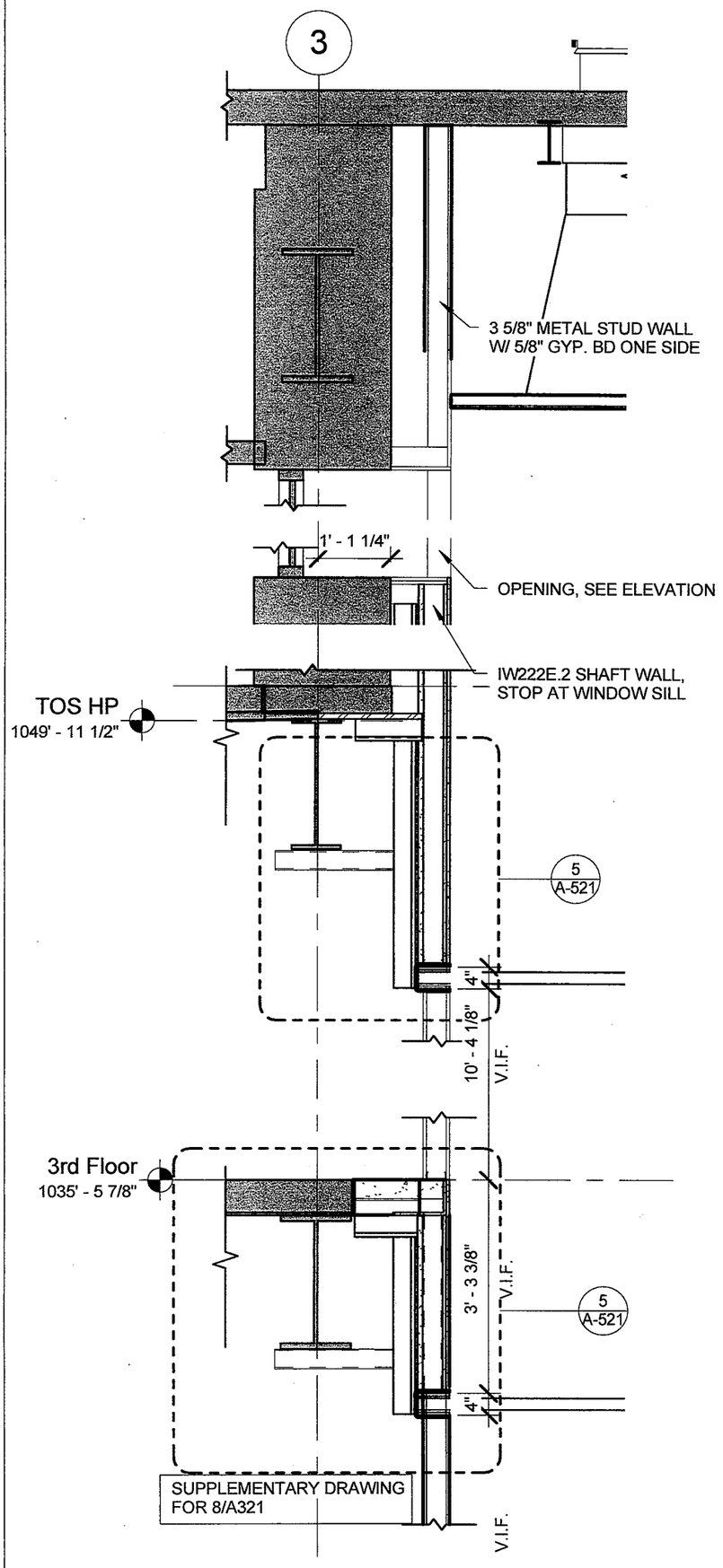
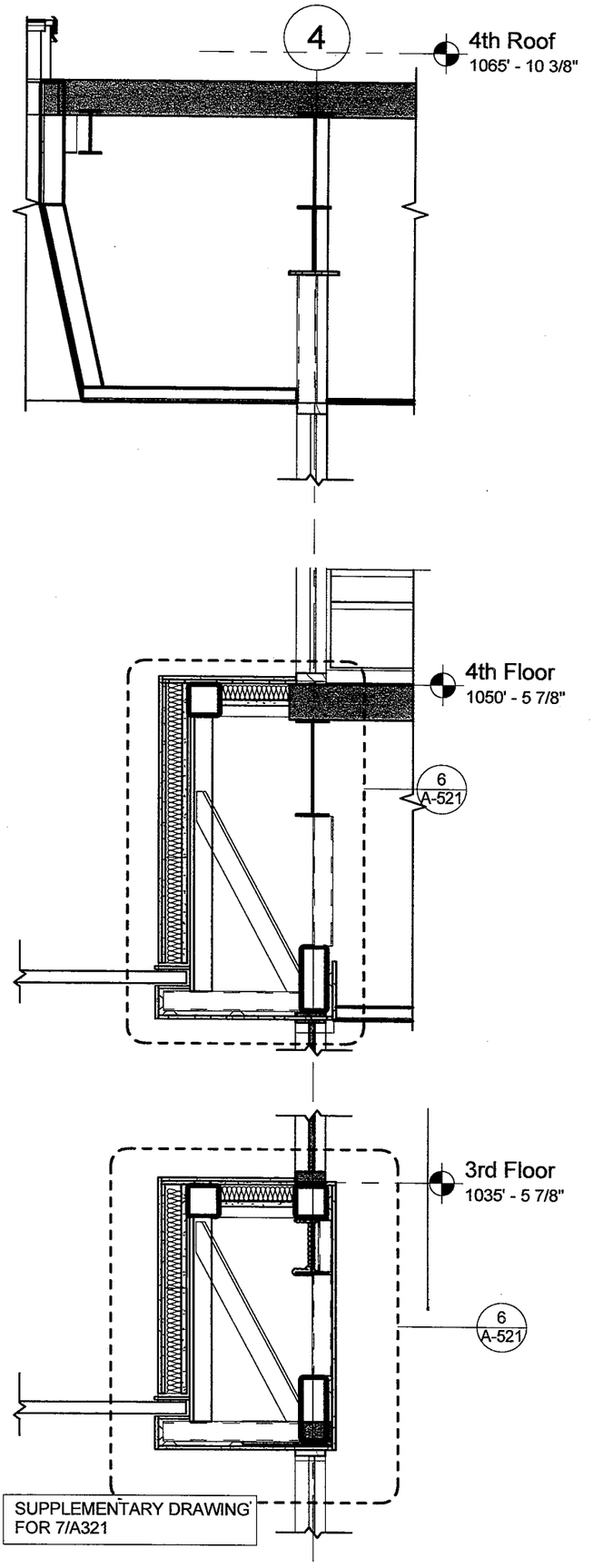


1 SD-106 **INTERIOR WALL SECTION**
1/2" = 1'-0"



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

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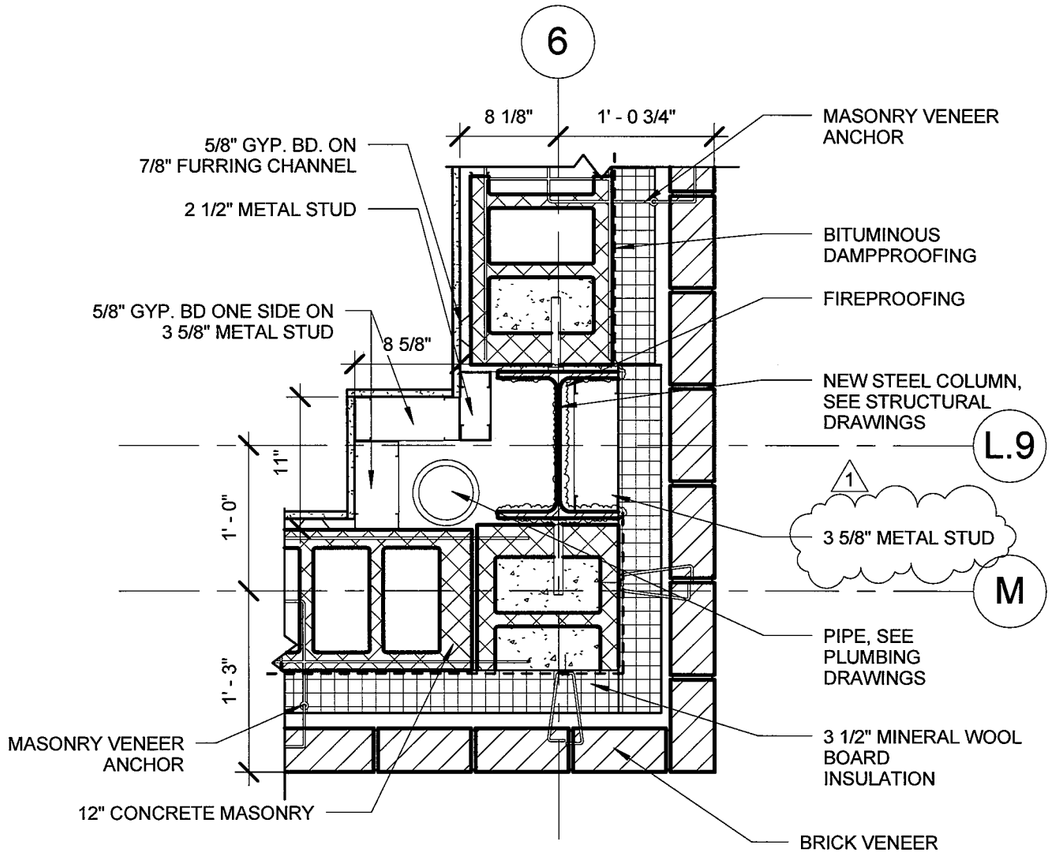
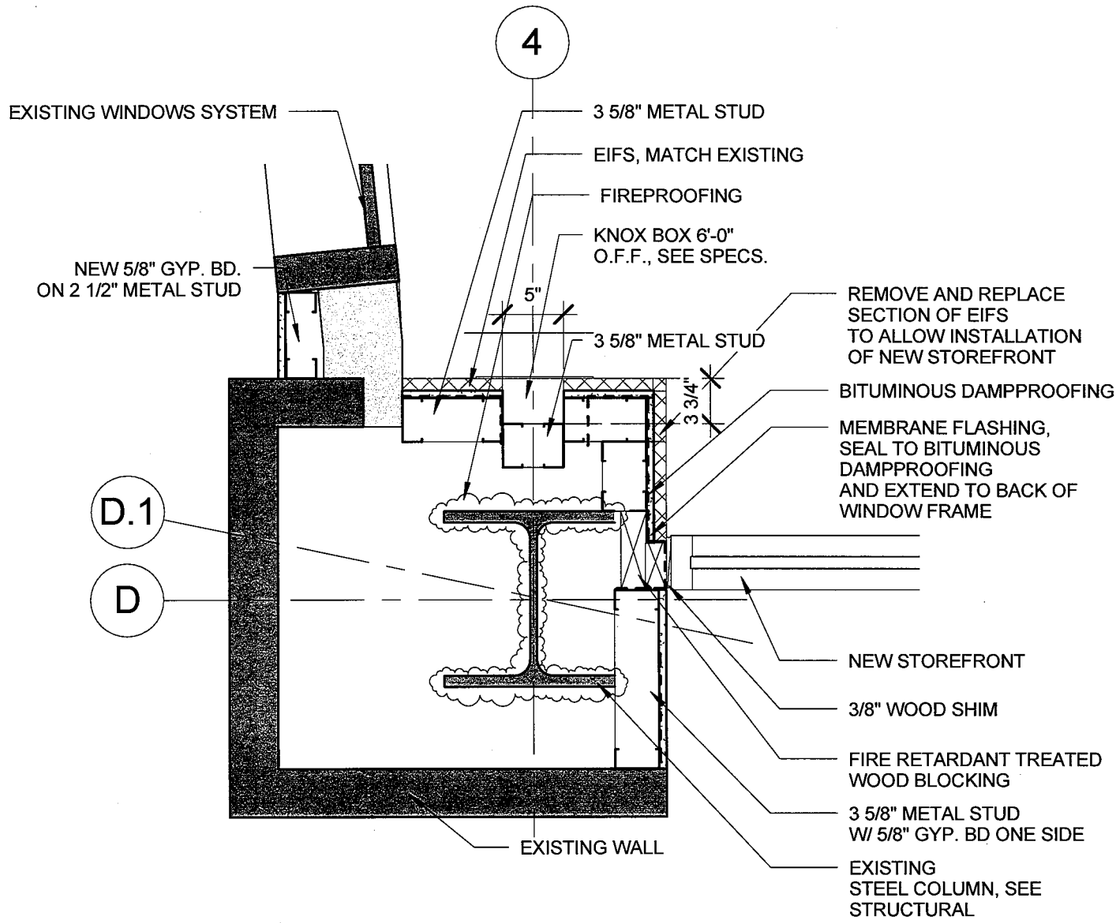


1 SD-107 COLUMN DETAIL- FIRST AND SECOND LEVEL

1" = 1'-0"



2 SD-107 COLUMN DETAIL- FIRST LEVEL

1" = 1'-0"

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DETAIL TO CLOSE 24" X 24" HOLE IN FLOOR SLAB
COVERED WITH PLYWOOD (ROOMS 207, 307 AND 407)

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FREELON

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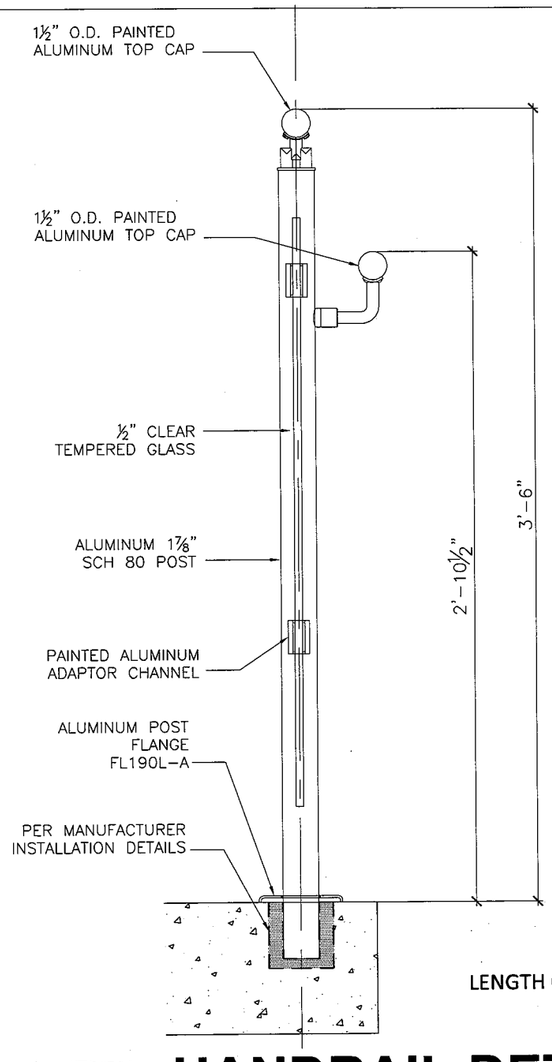
THE AUBURN AVENUE RESEARCH LIBRARY
101 AUBURN AVENUE NE, ATLANTA,KGA 30303
PROJECT NUMBER: 11RFP80742K-DJ(L009)
FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I

ADDENDUM NUMBER 1

DATE: October 06, 2014

DWG NUMBER

SD- 108



LENGTH OF GLASS GUARDRAIL IS 7'-8"

HANDRAIL DETAIL

1 1/2" = 1'-0"

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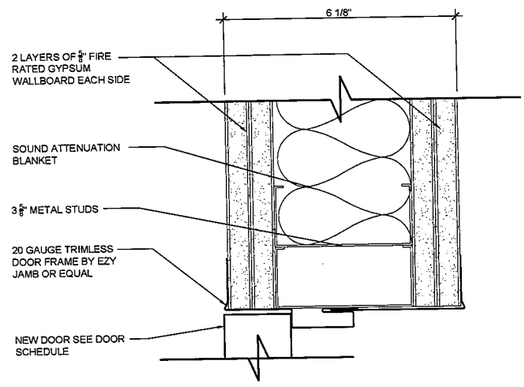
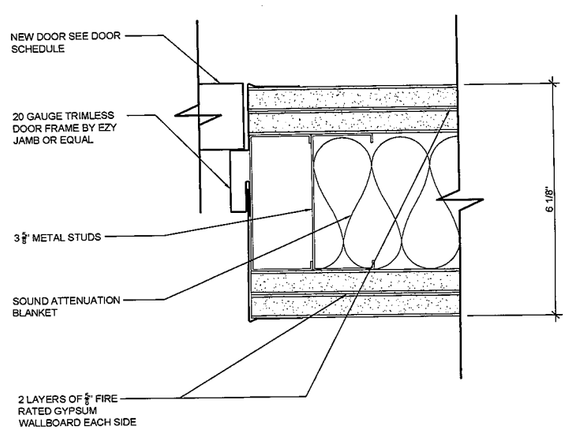


1 SD-110 DOOR HEAD DETAIL

1 1/2" = 1'-0"



2 SD-110 DOOR JAMB DETAIL

1 1/2" = 1'-0"

DOOR JAMB AND HEAD DETAIL FOR DOOR 122.2

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FREELON

ADDENDUM NUMBER 1	***JWRA / FREELON, a Joint Venture***	DWG NUMBER
DATE: October 06, 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-110

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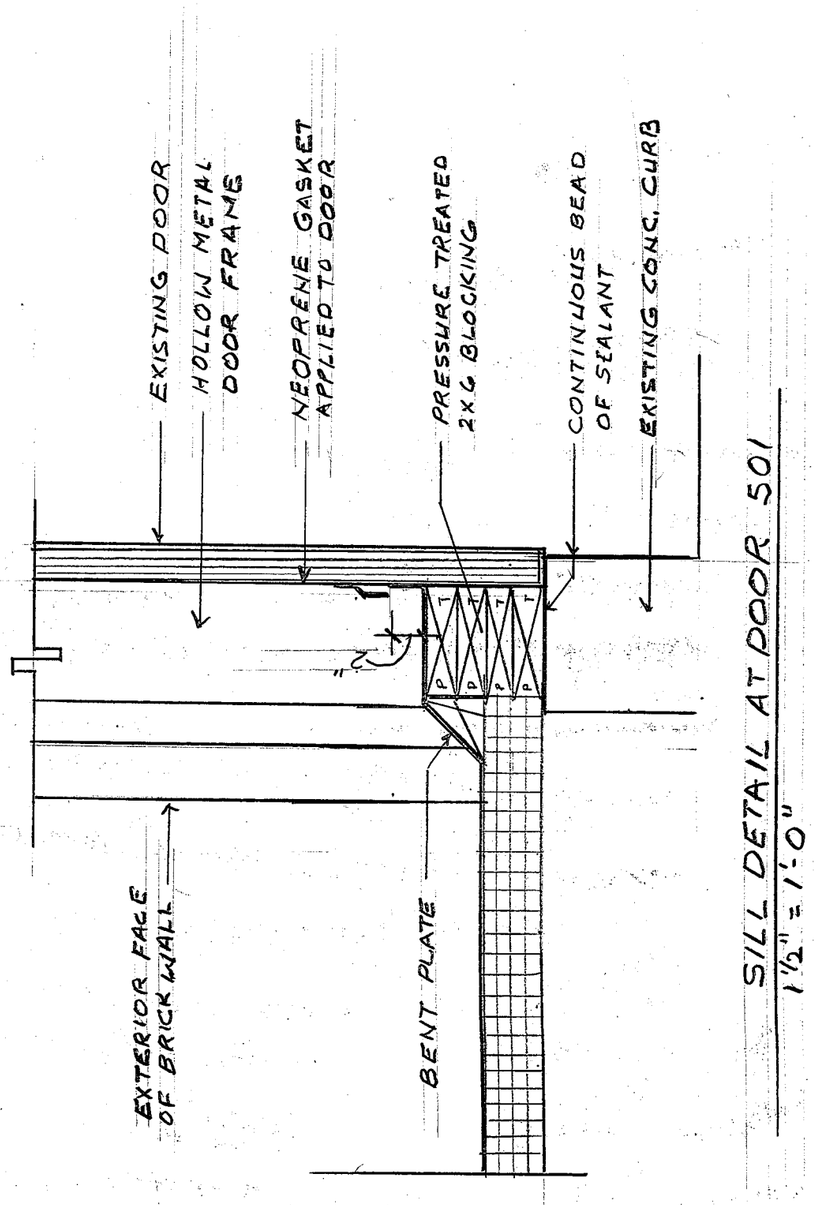
101 AUBURN AVENUE NE, ATLANTA,KGA 30303
PROJECT NUMBER: 11RFP80742K-DJ(L009)
FOR ATLANTA- FULTON PUBLIC LIBRARY SYSTEM CAPITEL IMPROVEMENT PROGRAM- PHASE I

ADDENDUM NUMBER 1

DATE: October 06, 2014

DWG NUMBER

SD-111



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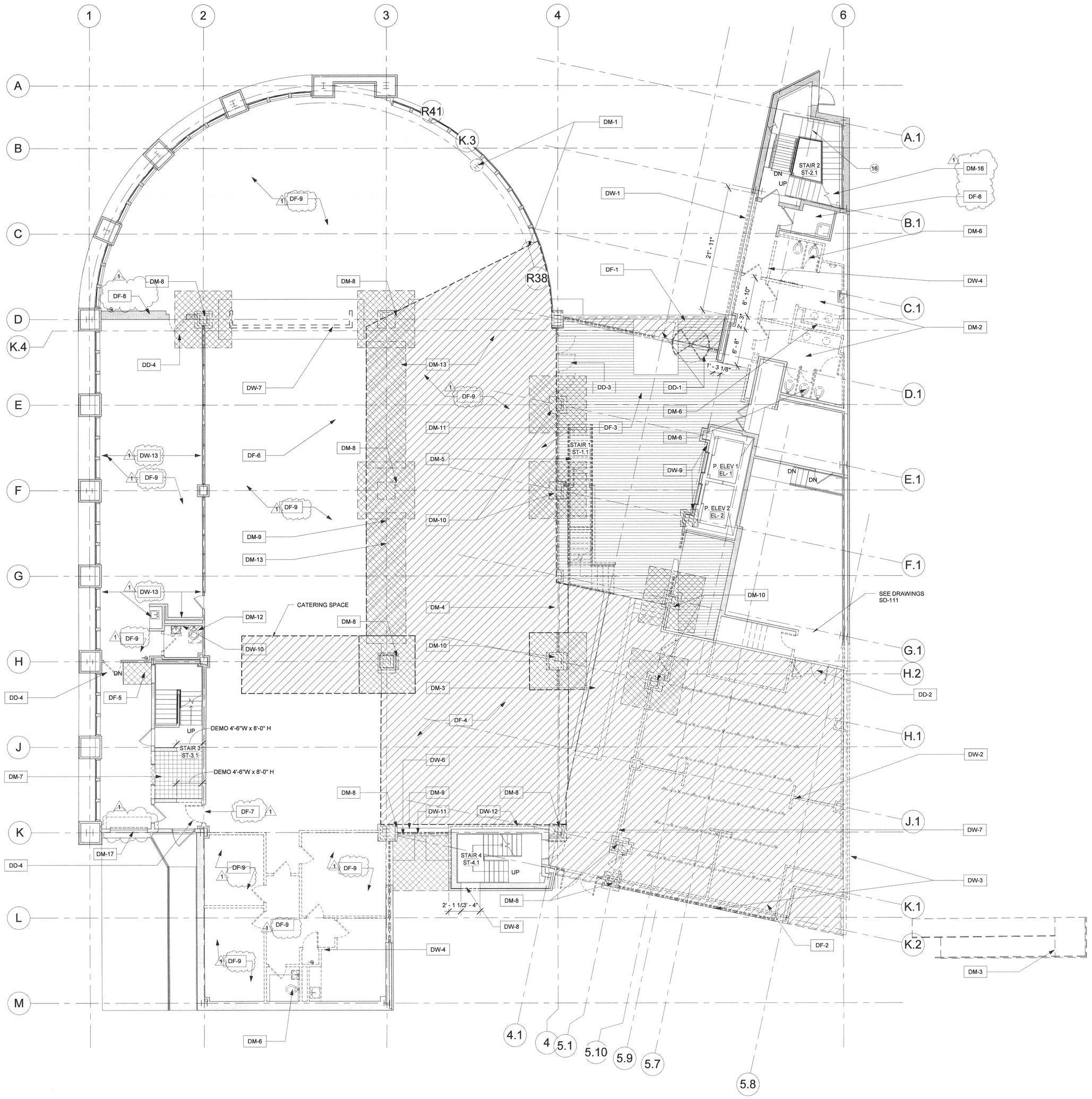

1 1ST FLOOR - DEMO
A-101-D 1/8" = 1'-0"

0 4' 8' 16'

PLAN NORTH

FIRST FLOOR DEMOLITION NOTES

FLOOR DEMOLITION NOTES

DF-1 CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE SLAB ON GRADE AT THE EXISTING ENTRY ON AUBURN AVENUE.
DF-2 CONTRACTOR SHALL REMOVE EXISTING STRUCTURE AND CONCRETE FLOOR SLAB IN THE CARY-McPHEETERS GALLERY AND THE EXTERIOR BUILDING RAMP. SEE CIVIL DRAWINGS.
DF-3 REMOVE EXISTING FLOOR FINISH AND SETTING BED.
DF-4 REMOVE EXISTING CONCRETE FLOOR FOR NEW FLOORING AND SETTING BEDS.
DF-5 CONTRACTOR SHALL FILL-IN EXISTING STAIRS TO SERVICE ELEVATOR MACHINE ROOM.
DF-6 CONTRACTOR SHALL REMOVE EXISTING VCT.
1 DF-7 REPAIR CRACK IN FLOOR SLAB.
DF-8 CONTRACTOR SHALL REMOVE EXISTING FLOOR BOX BUILT IN TO WALL ALONG COLUMN LINE D BETWEEN COLUMN LINE 1 AND 2 - PATCH AND FINISH WALL TO MATCH THE SURROUNDING WALL.
DF-9 CONTRACTOR SHALL REMOVE EXISTING CARPET.

WALL DEMOLITION NOTES

DW-1 CONTRACTOR SHALL REMOVE EXISTING EXTERIOR WALL FOR NEW GLASS OPENING.
DW-2 CONTRACTOR SHALL REMOVE EXISTING CARY-McPHEETERS GALLERY GYPSUM WALLBOARD WALLS ON METAL STUDS AND CASES.
DW-3 CONTRACTOR SHALL REMOVE EXISTING BRICK VENEER WALLS.
DW-4 CONTRACTOR SHALL REMOVE EXISTING GYPSUM WALLBOARD PARTITIONS AND DOORS.
DW-5 CONTRACTOR SHALL REMOVE EXISTING PARTITION.
DW-6 CONTRACTOR SHALL REMOVE EXISTING EXTERIOR WALL FROM . THE STAIR TO COLUMN K-3 FOR THE FUTURE SERVICE ELEVATOR.
DW-7 CONTRACTOR SHALL REMOVE EXISTING GYPSUM WALLBOARD PARTITION ON METAL STUDS.
DW-8 CONTRACTOR SHALL CUT OPENING IN EXISTING BRICK VENEER WALL IN STAIR 4 FOR NEW DOOR.
DW-9 CONTRACTOR SHALL REMOVE EXISTING STONE VENEER.
DW-10 CONTRACTOR SHALL DEMO TILE ON EXISTING WET WALL.
DW-11 CONTRACTOR SHALL REMOVE EXISTING WINDOW WALL.
DW-12 CONTRACTOR SHALL REMOVE BRICK ON NORTH FACE OF STAIR #4.
1 DW-13 CONTRACTOR SHALL REMOVE EXISTING VINYL WALL COVERING. PREP WALLS FOR FUTURE PAINTING.

MISC. DEMOLITION NOTES

DM-1 CONTRACTOR TO REMOVE AND REPLACE EXISTING COLUMN'S CLADDING.
DM-2 CONTRACTOR SHALL REMOVE EXISTING TOILET FIXTURES, TOILET PARTITIONS, AND ACCESSORIES IN THE EXISTING PUBLIC TOILETS.
DM-3 CONTRACTOR SHALL REMOVE EXISTING RAMP, RAILINGS, PLANTER AND FILL MATERIAL.
1 DM-4
DM-5 CONTRACTOR SHALL REMOVE EXISTING STAIRS.
DM-6 CONTRACTOR SHALL REMOVE EXISTING TOILET FIXTURES AND SINK.
DM-7 THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE ELEVATOR, HOISTWAY, MACHINE ROOM, AND OTHER ELEVATOR EQUIPMENT ITEMS AND CAP PIPING
THAT WILL REMAIN IN WALLS OR FLOORS.
DM-8 CONTRACTOR SHALL REMOVE SLAB-ON GRADE (APPROX 3'-0"x3'-0") COLUMN COVERING, REPAIRED AS REQUIRED AND REINSTALLED SLAB-ON GRADE, COLUMN COVERING AFTER THE STRENGTHENING OF COLUMN H.1-4.
DM-9 DEMOLITION AS REQUIRED TO INSTALL NEW CROSS BRACING TO STRENGTHEN BUILDING LATERAL-LOAD RESISTING SYSTEM COLUMN LINES D2-D3, F3-H3, AND K3-K4.
DM-10 DEMOLITION AS REQUIRED TO INSTALL NEW MICRO-PILE CAP CONNECTED TO THE EXISTING PILE AT COLUMN E4, F4, H4, G.1-5.1 AND H.1-5.1.
DM-11 CONTRACTOR SHALL REMOVE EXISTING SECURITY/RECEPTIONIST DESK, AND CLOSET UNDER EXISTING STAIR.
DM-12 CONTRACTOR SHALL REMOVE THE EXISTING TOILET FIXTURE AND ACCESSORIES IN THE STAFF TOILET.
DM-13 CONTRACTOR SHALL REMOVE EXISTING CONCRETE FLOOR SLAB FOR NEW GRADE BEAMS. SEE STRUCTURAL.
DM-14 CONTRACTOR SHALL REMOVE EXISTING EXTERIOR BRICK WALL.
DM-15 CONTRACTOR TO EXCAVATE EAST AREA FROM STAIR NUMBER 4. NEW RAMP AND LANDSCAPE. SEE CIVIL AND LANDSCAPE DRAWING.
DM-16 CONTRACTOR TO REMOVE ALL LOOSE CABLES IN STAIRWELLS.
1 DM-17 THE CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING LOADING DOCK DOOR REPLACE AND REPAIR CMU AT BOTH JAMBS.

DOOR DEMOLITION NOTES

DD-1 CONTRACTOR SHALL REMOVE EXISTING STOREFRONT AND REVOLVING DOOR.
DD-2 CONTRACTOR SHALL REMOVE EXISTING PAIR OF DOORS AND FRAME TO THE CARY-McPHEETERS GALLERY.
DD-3 CONTRACTOR SHALL SALVAGE/REMOVE EXISTING WOOD/GLASS DOORS AND SIDE LIGHTS.
DD-4 CONTRACTOR SHALL REMOVE EXISTING DOOR AND FRAME.

DEMOLITION LEGEND

EXISTING WALL CONSTRUCTION TO REMAIN

EXISTING WALL CONSTRUCTION TO BE REMOVED

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE REMOVED

TO BE REMOVED FOR MICRO PILES SEE STRUCTURAL

REMOVE EXISTING FLOOR FINISH AND SETTING BED AND EXISTING FLOOR TILES AND SETTING BED IN EXISTING TOILET. SEE NOTE DF-3.

EXISTING FLOOR SLAB REMOVED. NEW FLOOR SLAB WITH 2" DEPRESSION.

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

RELEASED FOR CONSTRUCTION

STATE OF GEORGIA
CERTIFICATE NO. 10127
REGISTERED ARCHITECT

Auburn Ave Research Library
101 Auburn Ave, Atlanta, GA

1ST FLOOR PLAN DEMO

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FREELON
DESIGN IS TECHNOLOGY

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

JOB NO. 201208/2010003.00 AARL

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DATE: 27 MARCH 2014 — 100 % CONSTRUCTION DOCUMENTS
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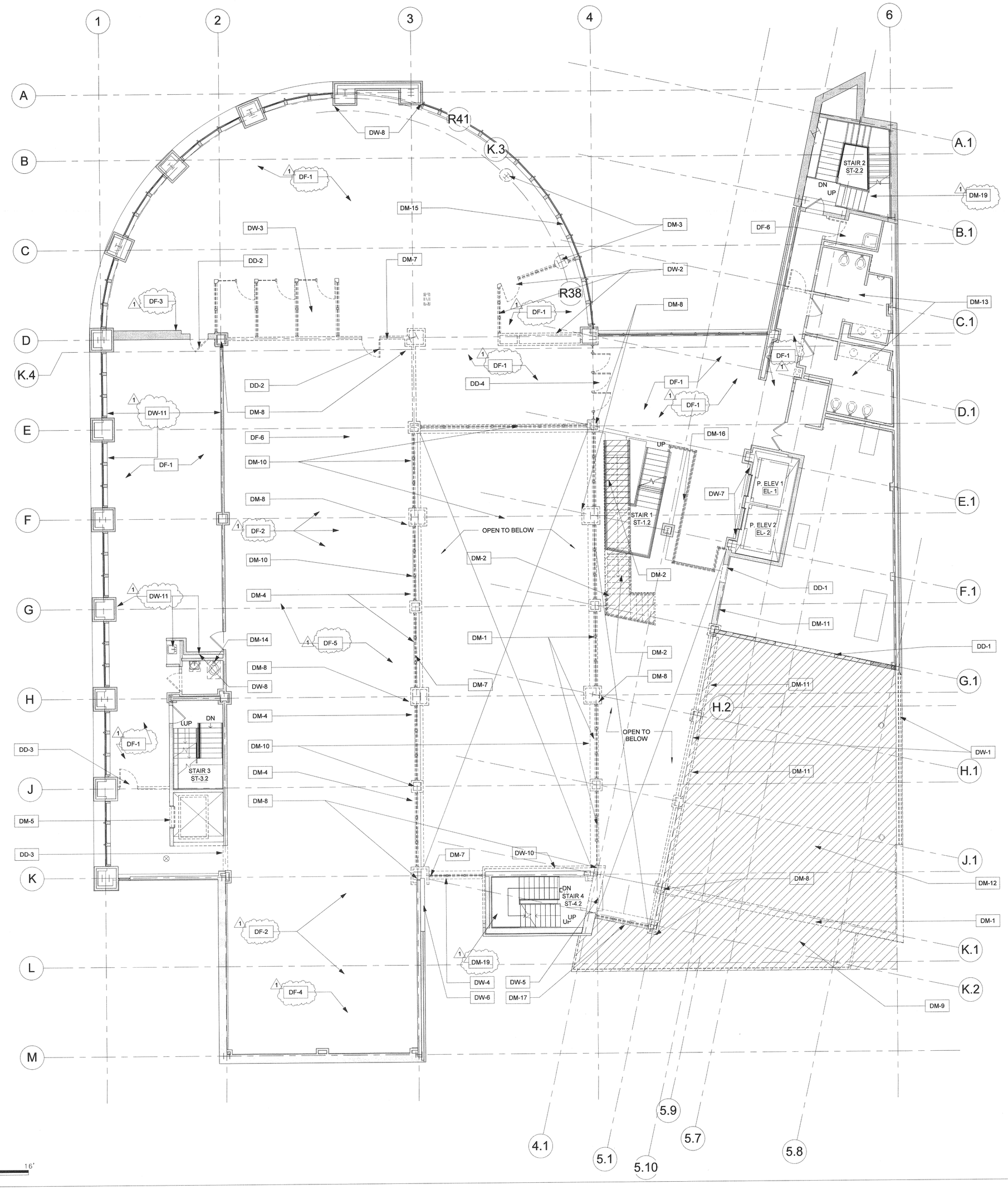

1 2ND FLOOR - DEMO
A-102-D 1/8" = 1'-0"

SECOND FLOOR DEMOLITION NOTES

FLOOR DEMOLITION NOTES

DF-1 CONTRACTOR SHALL REMOVE EXISTING CARPET.
DF-2 CONTRACTOR SHALL REMOVE EXISTING VCT UNDER EXISTING SHELVING UNITS.
DF-3 CONTRACTOR SHALL DELETE EXISTING FLOOR BOX BUILT INTO WALL ALONG COLUMN LINE D BETWEEN COLUMN LINE 1 AND 2 PATCH AND FINISH WALL TO MATCH THE SURROUNDING WALL.
DF-4 CONTRACTOR TO INSTALL NEW TRIM AND MOLDING AT H.D. TRACK PLATFORM.
DF-5 CONTRACTOR TO PROVIDE NON SLIP SECTIONS ON THE SECOND FLOOR H.D. AT THE RAMPS.

WALL DEMOLITION NOTES

DW-1 CONTRACTOR SHALL REMOVE EXISTING WALL FOR NEW DOOR FROM MECHANICAL ROOM.
DW-2 CONTRACTOR SHALL REMOVE EXISTING PARTITIONS, GLASS AND DOOR TO CONFERENCE ROOM.
DW-3 CONTRACTOR SHALL REMOVE EXISTING STUDY ROOMS PARTITIONS, GLASS AND DOORS.
DW-4 CONTRACTOR SHALL REMOVE EXISTING EXTERIOR WALL FROM THE STAIR TO COLUMN K-3 FOR THE FUTURE SERVICE ELEVATOR.
DW-5 CONTRACTOR SHALL CUT OPENING IN EXISTING BRICK VENEER WALL IN STAIR 4 FOR NEW DOOR.
DW-6 CONTRACTOR SHALL REMOVE EXISTING BRICK FOR NEW ELEVATOR ALONG COLUMN LINE 3.
DW-7 CONTRACTOR SHALL REMOVE EXISTING STONE VENEER.
DW-8 CONTRACTOR SHALL DEMO TILE ON EXISTING WET WALL.
DW-9 CONTRACTOR SHALL REMOVE EXISTING WALL FINISH AND GYPSUM WALL BOARD IN THIS AREA.
DW-10 CONTRACTOR SHALL REMOVE BRICK ON NORTH FACE OF STAIR #4.
DW-11 CONTRACTOR SHALL REMOVE EXISTING VINYL WALL COVERING. PREP WALLS FOR FUTURE PAINTING.

MISC. DEMOLITION NOTES

DM-1 CONTRACTOR SHALL REMOVE EXISTING GLASS AND WOOD WINDOW FRAMES.
DM-2 CONTRACTOR SHALL REMOVE EXISTING STAIR.
DM-3 CONTRACTOR SHALL REMOVE AND REPLACE EXISTING COLUMN CLADDING.
DM-4 CONTRACTOR SHALL REMOVE EXISTING WOOD WINDOW FRAMES, GLASS AND FIRE SHUTTERS.
DM-5 CONTRACTOR SHALL REMOVE EXISTING SERVICE ELEVATOR AND HOISTWAY.
DM-6 CONTRACTOR SHALL REMOVE EXISTING STAIRS IN ATRIUM.
DM-7 DEMOLITION AS REQUIRED TO INSTALL NEW CROSS BRACING TO STRENGTHEN BUILDING LATERAL-LOAD RESISTING SYSTEM. COLUMN LINES D2-D3, F3-H3 AND K3-K4.
DM-8 COLUMN COVERING SHALL BE REMOVED FOR THE STRENGTHENING OF COLUMN H.1-4
DM-9 CONTRACTOR SHALL REMOVE THE EXISTING STRUCTURE IN THIS AREA FOR THE ADDITION OF AN AUDITORIUM.
DM-10 CONTRACTOR SHALL REMOVE EXISTING FINISHES REQUIRED TO STRENGTHEN EXISTING BEAMS FROM COLUMN E TO K ALONG COLUMN LINES 3 AND 4.
DM-11 CONTRACTOR SHALL REMOVE EXISTING FINISHES FROM COLUMN F1 TO K2 ALONG COLUMN LINE 5.1.
DM-12 CONTRACTOR SHALL REMOVE EXISTING ROOF TOP UNITS.
DM-13 CONTRACTOR SHALL REMOVE EXISTING TOILET FIXTURES, TOILET PARTITIONS, TOILET ACCESSORIES, FLOOR AND WALL TILE, CEILING AND LIGHT FIXTURES ON THE SECOND AND THIRD FLOOR.
DM-14 CONTRACTOR SHALL REMOVE EXISTING TOILET FIXTURES AND ACCESSORIES IN THE STAFF TOILET.
DM-15 CONTRACTOR SHALL REMOVE EXISTING GLAZING ON THE SECOND FLOOR WITH THE FAILED SEALANT.
DM-16 CONTRACTOR SHALL REMOVE EXISTING RAILING TO BE REPLACED.
DM-17 CONTRACTOR SHALL REMOVE EXISTING WINDOW WALL.
DM-18 EXISTING HD SHELVING SHALL REMAIN IN PLACE DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL PROVIDE PROTECTION FOR HD SHELVING COMPLETE.
DM-19 CONTRACTOR TO REMOVE ALL LOOSE CABLES IN STAIRWELLS.

DOOR DEMOLITION NOTES

DD-1 CONTRACTOR SHALL REMOVE EXISTING DOOR AND FRAME FROM MECHANICAL ROOM.
DD-2 CONTRACTOR SHALL REMOVE EXISTING DOORS AND FRAME BETWEEN COLUMNS 1 AND 3 ALONG COLUMN LINE D.
DD-3 CONTRACTOR SHALL REMOVE EXISTING DOORS AND FRAMES AT COLUMN J-1 AND K-2.
DD-4 CONTRACT SHALL SALVAGE, REMOVE EXISTING WOOD/GLASS DOORS AND SIDE LIGHTS.

DEMOLITION LEGEND

EXISTING WALL CONSTRUCTION TO REMAIN

EXISTING WALL CONSTRUCTION TO BE REMOVED

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE REMOVED

EXISTING ROOF TOP UNITS AND STAIR TO BE REMOVED.
SEE NOTE DM-12 AND DM-2

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

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2ND FLOOR PLAN DEMO

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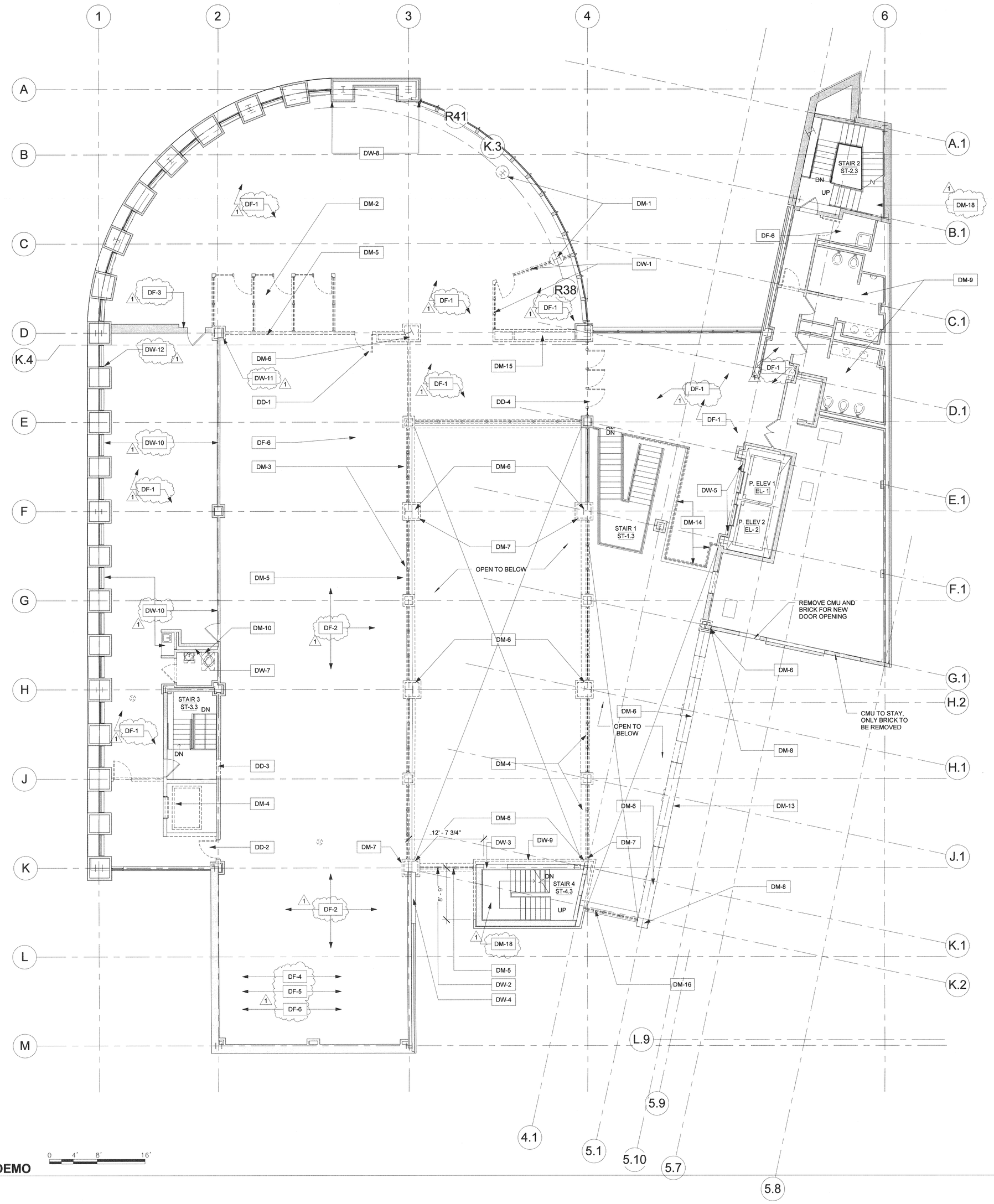

1 A-103-D 3RD FLOOR - DEMO
1/8" = 1'-0"

THIRD FLOOR DEMOLITION NOTES

FLOOR DEMOLITION NOTES

DF-1 CONTRACTOR SHALL REMOVE EXISTING CARPET.
DF-2 CONTRACTOR SHALL REMOVE EXISTING VCT UNDER EXISTING SHELVING UNITS.
1 DF-3 CONTRACTOR SHALL DELETE EXISTING FLOOR BOX BUILT INTO WALL ALONG COLUMN LINE D BETWEEN COLUMN LINE 1 AND 2 PATCH AND FINISH WALL TO MATCH THE SURROUNDING WALL.
DF-4 CONTRACTOR TO REPAIR 100 SQ.FT. OF DAMAGED HIGH DENSITY SHELVING PLATFORM AND FRAMING AND SHEATHING.
DF-5 CONTRACTOR TO PROVIDE ALL NEW TRIM AT THE HIGH DENSITY SHELVING TRACK ON THE SECOND FLOOR - MATCH SECOND FLOOR.
FD-6 CONTRACTOR TO INSTALL NEW TRIM AT MOLDING AT HIGH DENSITY TRACK PLATFORM.

WALL DEMOLITION NOTES

DW-1 CONTRACTOR SHALL REMOVE EXISTING PARTITION, GLASS AND DOOR AT COLUMN D4.
DW-2 CONTRACTOR SHALL REMOVE EXISTING EXTERIOR WALL FROM THE STAIR TO COLUMN K3 FOR THE FUTURE SERVICE ELEVATOR.
DW-3 CONTRACTOR SHALL REMOVE EXISTING WALL IN STAIR 4 FOR NEW DOOR.
DW-4 CONTRACTOR SHALL REMOVE EXISTING BRICK FOR NEW ELEVATOR ALONG COLUMN LINES.
DW-5 CONTRACTOR SHALL REMOVE EXISTING STONE VENEER.
DW-6 CONTRACTOR SHALL REMOVE EXISTING CMU AT COLUMN LINE K.4.1.
DW-7 CONTRACTOR SHALL DEMO TILE ON EXISTING WET WALL.
DW-8 CONTRACTOR SHALL REMOVE EXISTING WALL FINISH AND GYPSUM WALL BOARD IN THIS AREA. SEE SHEET A-103.
1 DW-9 CONTRACTOR SHALL REMOVE BRICK ON NORTH FACE OF STAIR #4.
DW-10 CONTRACTOR SHALL REMOVE EXISTING VINYL WALL COVERING. PREP WALL FOR FUTURE PAINTING.
DW-11 CONTRACTOR SHALL REMOVE 1X4 AND SHELVING ANCHORS IN EXISTING WALL, PATCH AND PAINT WALL TO MATCH THE SURROUNDING AREA.
DW-12 CONTRACTOR TO REMOVE METAL ANGLE AT THE BRICK COLUMNS AND WALL/ WINDOWS. THE CONTRACTOR SHALL MATCH THE WOOD DETAIL ON THE EXISTING SECOND FLOOR.

MISC. DEMOLITION NOTES

DM-1 CONTRACTOR SHALL REMOVE AND REPLACE EXISTING COLUMN CLADDING.
DM-2 CONTRACTOR SHALL REMOVE EXISTING STUDY ROOMS AND SERVICE/INFORMATION DESK.
DM-3 CONTRACTOR SHALL REMOVE EXISTING WOOD WINDOWS FRAMES, GLASS AND FIRE SHUTTERS.
DM-4 CONTRACTOR SHALL REMOVE EXISTING SERVICE ELEVATOR AND HOISTWAY.
DM-4 CONTRACTOR SHALL REMOVE EXISTING WOOD WINDOW FRAMES AND GLASS ON COLUMN LINE 4 FROM COLUMN H4 TO THE EXISTING STAIR WALL.
DM-5 DEMOLITION AS REQUIRED TO INSTALL NEW CROSS BRACING TO STRENGTHEN BUILDING LATERAL-LOAD RESISTING SYSTEM. COLUMN LINES D2-D3, F3-H3 AND K3-K4.
DM-6 COLUMN COVERING SHALL BE REMOVED FOR THE STRENGTHENING OF COLUMN H.1-4.
DM-7 CONTRACTOR SHALL REMOVE EXISTING FINISHES REQUIRED TO STRENGTHEN EXISTING BEAMS TO RECEIVE NEW W21 BEAMS AT 7'-6" O.C. FROM COLUMN E TO K ALONG COLUMN LINES 3 AND 4.
DM-8 CONTRACTOR SHALL REMOVE EXISTING FINISHES TO RECEIVE NEW BEAMS AT 7'-6" O.C. FROM COLUMN . SEE STRUCTURAL DRAWINGS.
DM-9 CONTRACTOR SHALL REMOVE EXISTING TOILET FIXTURES, TOILET PARTITIONS, TOILET ACCESSORIES, FLOOR AND WALL TILE, CEILING AND LIGHT FIXTURES ON THE SECOND AND THIRD FLOOR.
DM-10 CONTRACTOR SHALL REMOVE EXISTING TOILET FIXTURES ACCESSORIES IN THE EXISTING STAFF TOILETS.
DM-11 CONTRACTOR SHALL REMOVE EXISTING GLAZING ON THE SECOND FLOOR WITH THE FAILED SEALANT.
DM-12 CONTRACTOR SHALL REMOVE EXISTING STAIR.
DM-13 CONTRACTOR SHALL REMOVE EXISTING BRICK VENEER WALL ALONG COLUMN LINE 5.1 FROM K.2 TO G.1.
DM-14 CONTRACTOR SHALL REMOVE EXISTING GUARD RAILING.
DM-15 CONTRACTOR SHALL REMOVE EXISTING LOCKERS.
DM-16 CONTRACTOR SHALL REMOVE EXISTING WINDOW WALL.
DM-17 EXISTING HD SHELVING SHALL REMAIN IN PLACE DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL PROVIDE PROTECTION FOR HD SHELVING COMPLETE.
1 DM-18 CONTRACTOR TO REMOVE ALL LOOSE CABLES IN STAIR WELL.

DOOR DEMOLITION NOTES

DD-1 CONTRACTOR SHALL REMOVE EXISTING DOORS AND FRAMES BETWEEN COLUMNS 1 AND 3 ALONG COLUMN LINE D.
DD-2 CONTRACTOR SHALL REMOVE EXISTING DOOR AND FRAME AT COLUMN K2.
DD-3 CONTRACTOR SHALL REMOVE EXISTING WALL FOR NEW DOOR.
DD-4 CONTRACTOR SHALL SALVAGE, REMOVE EXISTING WOOD/GLASS DOORS AND SIDE LIGHTS FOR REUSE.

DEMOLITION LEGEND

EXISTING WALL CONSTRUCTION TO REMAIN

EXISTING WALL CONSTRUCTION TO BE REMOVED

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE REMOVED

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

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3RD FLOOR PLAN DEMO

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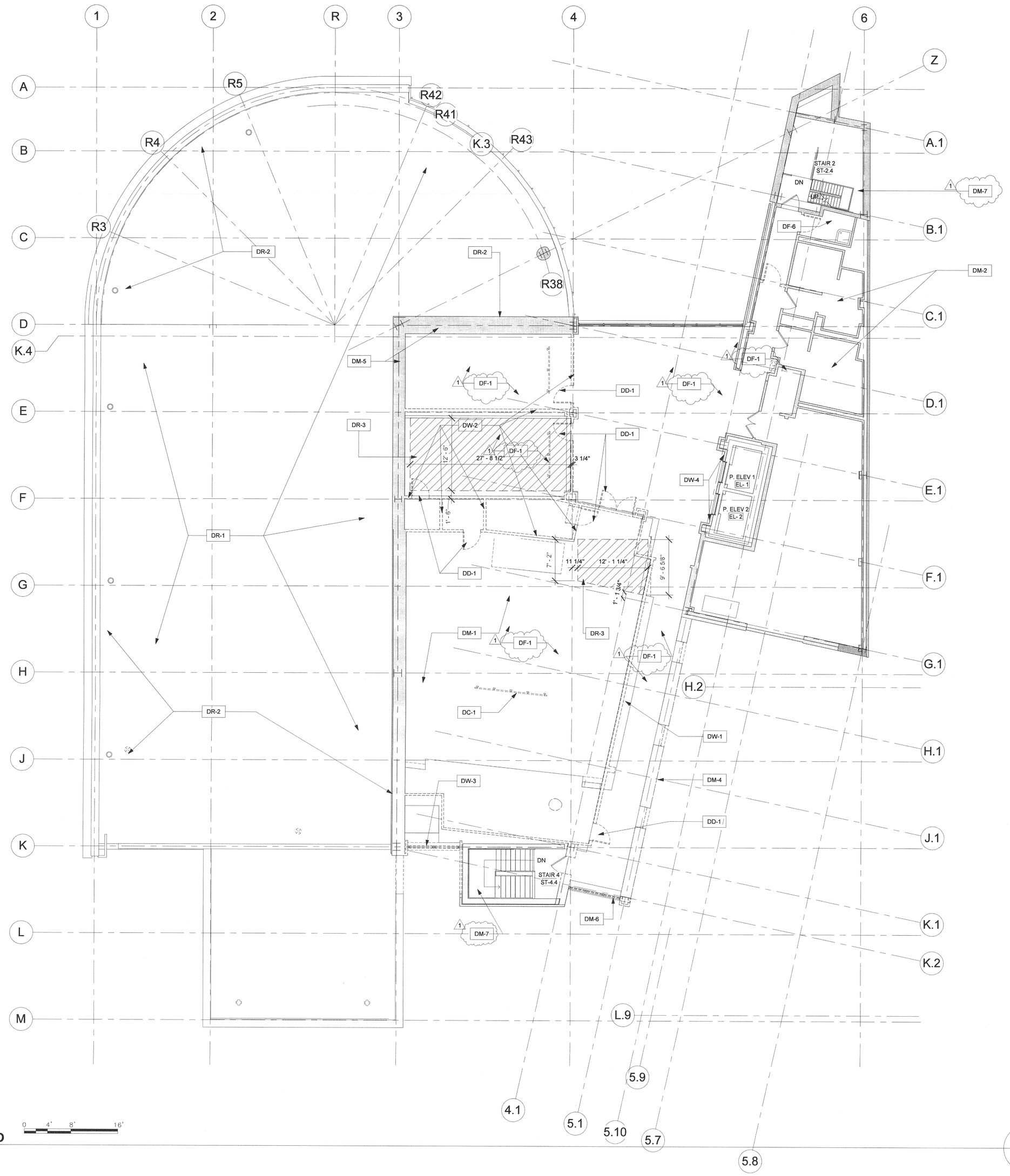

1 A-104-D **4TH FLOOR - DEMO** 1/8" = 1'-0"

FOURTH FLOOR DEMOLITION NOTES

FLOOR DEMOLITION NOTES
1 DF-1 CONTRACTOR SHALL REMOVE EXISTING CARPET.

CEILING DEMOLITION NOTES
DC-1 CONTRACTOR SHALL REMOVE THE EXISTING AUDITORIUM CEILING LIGHTING FIXTURES.

WALL DEMOLITION NOTES
DW-1 CONTRACTOR SHALL REMOVE EXISTING AUDITORIUM WALL.
DW-2 CONTRACTOR SHALL REMOVE EXISTING PARTITION COMPLETE.
DW-3 CONTRACTOR SHALL REMOVE EXTERIOR WALL FOR NEW SERVICE ELEVATOR.
DW-4 CONTRACTOR SHALL REMOVE EXISTING STONE VENEER.

MISC. DEMOLITION NOTES
DM-1 CONTRACTOR TO REMOVE EXISTING AUDITORIUM SEATING AND CARPET.
DM-2 CONTRACTOR SHALL REMOVE EXISTING TOILET FIXTURES, TOILET PARTITIONS AND ACCESSORIES IN THE EXISTING PUBLIC TOILETS.
DM-3 CONTRACTOR SHALL REMOVE EXISTING WINDOWS ALONG COLUMN LINE K.
DM-4 CONTRACTOR SHALL REMOVE EXISTING BRICK VENEER WALL ALONG COLUMN LINE 5.1 FROM K.2 TO G.1.
DM-5 CONTRACTOR SHALL REMOVE EXISTING WINDOWS FOR NEW WALL.
DM-6 CONTRACTOR SHALL REMOVE EXISTING WINDOW WALL.
1 DM-7 CONTRACTOR TO REMOVE WALL LOOSE CABLES IN STAIR WELL.

DOOR DEMOLITION NOTES
DD-1 CONTRACTOR SHALL REMOVE EXISTING DOOR AND FRAME.

ROOF DEMOLITION NOTES
DR-1 CONTRACTOR SHALL REMOVE COMPLETE EXISTING ROOFING FOR REPLACEMENT.
DR-2 CONTRACTOR SHALL REMOVE AND REPLACE EXISTING ROOF DRAINS COVERS, ROOF CURBS AND FLASHING FOR REPLACEMENT.
DR-3 CONTRACTOR SHALL REMOVE EXISTING FLOOR SLAB FOR SKYLIGHTS.

DEMOLITION LEGEND

EXISTING WALL CONSTRUCTION TO REMAIN

EXISTING WALL CONSTRUCTION TO BE REMOVED

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE REMOVED

EXISTING FLOOR SLAB TO BE REMOVED FOR SKYLIGHTS

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

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JOHN DERRAH BRAND
101 OF 101
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4TH FLOOR PLAN DEMO

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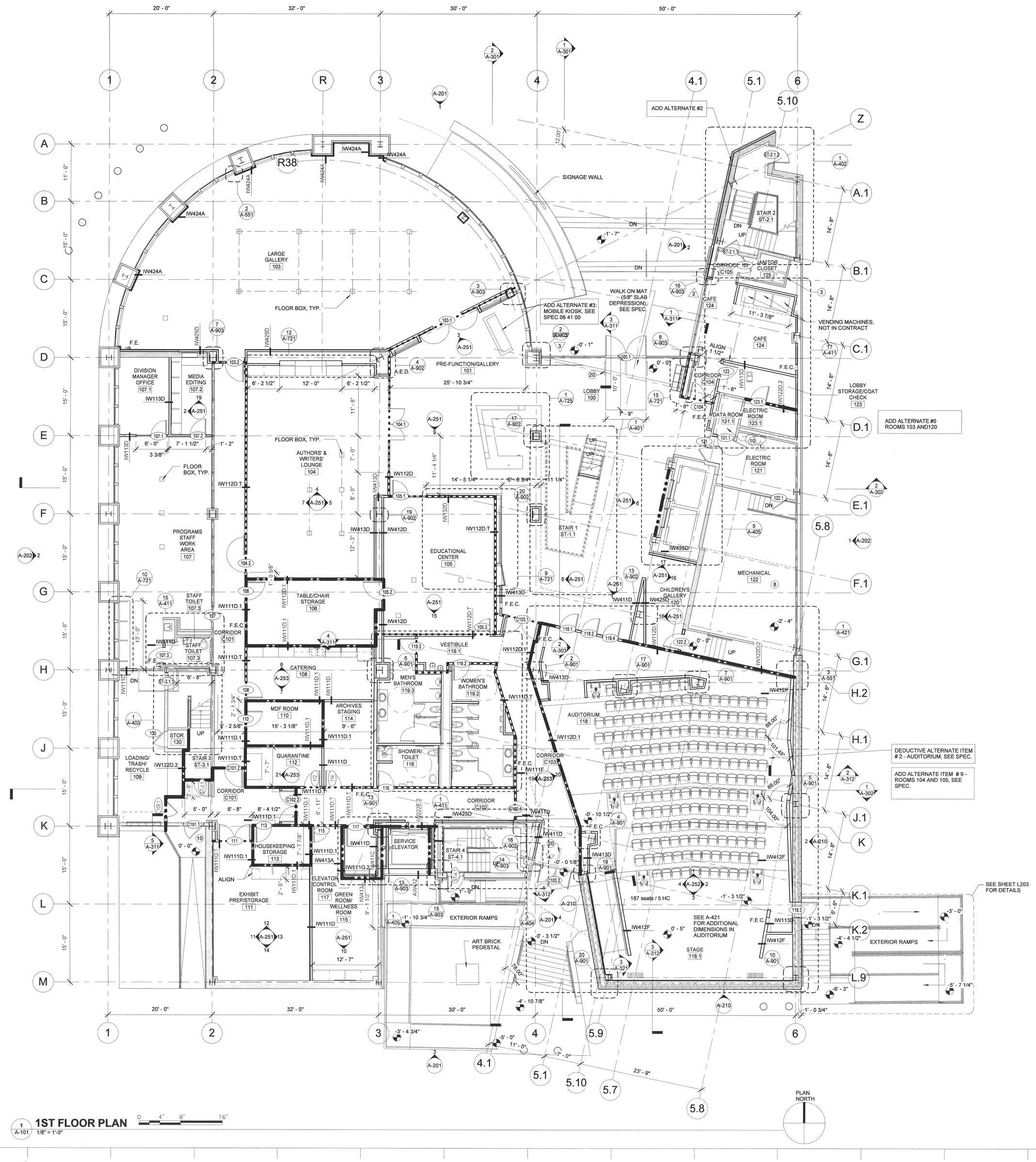

1 A-101 **1ST FLOOR PLAN** 1/8" = 1'-0"

PLAN GENERAL NOTES

1. ANY MECHANICAL, ELECTRICAL, OR DATA INFORMATION IS SHOWN FOR LOCATION COORDINATION ONLY. REFER TO DOCUMENTATION OF OTHER DISCIPLINES FOR ADDITIONAL INFORMATION.
2. REMOVE ANY WATER DAMAGED WALL/CEILING MATERIAL AND RELPLACE WITH NEW MATERIAL, FINISH AND PAINT.
3. FOR ADDITIONAL DIMENSION INFORMATION REFER TO ENLARGED PLAN SHEETS, DETAILS, AND INTERIOR ELEVATIONS WHERE PROVIDED.
4. DIMENSIONS ARE TO FINISH FACE, UNLESS NOTED OTHERWISE.
5. NOT USED
6. NOT USED.
7. NOT USED
8. CLEAN ALL EXTERIOR MASONRY AND GLAZING AT SUBSTANTIAL COMPLETION.
9. REPAINT ALL HOLLOW METAL FRAMES AND DOORS.
10. REPLACE BACKER RODS AND SEALANT AT ALL EXISTING EXTERIOR LOCATIONS.REPAIR CRACK IN CONCRETE SLAB.
11. NOT USED
12. NOT USED
13. NOT USED

PLAN KEYNOTES

1. REPLACE WATER DAMAGED DRYWALL ON NORTH WALL.
2. PATCH 24"X24" HOLE IN SLAB ON NORTH END OF ELECTRICAL/ TELECOM AREAS.
3. PATCH AND REPAIR EXISTING WALL WITH SAME MATERIAL AND FINISH AS IMMEDIATE WALL SURROUND.
4. REPAIR AND REPAINT MASONRY.
5. REMOVE EXISTING FLASHING AND INSTALL NEW FLASHING.
6. PATCH 6" DIAMETER HOLE IN SLAB
7. INSTALL NEW HATCH, LOCK HARDWARE, AND WEATHER SEALS AT ROOF HATCH.
8. REPAIR ALL EXISTING SLAB AND WALL PENETRATIONS IN MECHANICAL AND ELECTRICAL ROOMS TO UL APPROVED DESIGN.
9. CONTRACTOR TO REMOVE METAL ANGLE AT THE BRICK COLUMNS AND WALL/
10. CONTRACTOR SHALL REMOVE PLYWOOD CAP ON THREE PIECES OF 4" CONDUIT AND INSTALL A METAL CAPS IN DATA ROOM 121.1
11. FILL OPEN CELLS OF BRICK VENEER BELOW PRECAST COPING.
12. SKYLIGHT ON ROOF CURB.
13. REMOVE MECHANICAL WALL LOUVERS.
14. INSTALL NEW LADDER WITH SAFETY CAGE BETWEEN HIGH ROOF AND LOW ROOF.
15. CONTRACTOR SHALL PATCH AND FINISH 6" DIAMETER HOLE IN FLOOR SLAB IN ROOM 307.
16. PATCH OPENINGS IN BLANK-OFF PANELS BEHIND MECHANICAL LOUVERS.
17. EXTERIOR BRICK IS APPROXIMATELY 1" OUT OF PLANE WITH BRICK ABOVE AT THE ROOF LEVEL. REPAIR AS NECESSARY.
18. NOT USED
19. NOT USED
20. ELEC. GATE, SEE TECHNOLOGY DRAWINGS.
21. NEW METAL RAILING
22. NOT USED
23. INSTALL NEW ROOF RAIL
24. NOT USED
25. NOT USED
26. NOT USED
27. NOT USED
28. ROOF WALK PADS

PLAN LEGEND

- EXISTING WALL CONSTRUCTION TO REMAIN CONTRACTOR TO REPAIR, TOUCH-UP AND PATCH DAMAGE TO EXISTING WALLS.
- NEW WALL CONSTRUCTION
- NEW FLOOR SLAB
- PROVIDE 2" TOPPING SLAB
- 6 WINDOW TYPES

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1ST FLOOR PLAN

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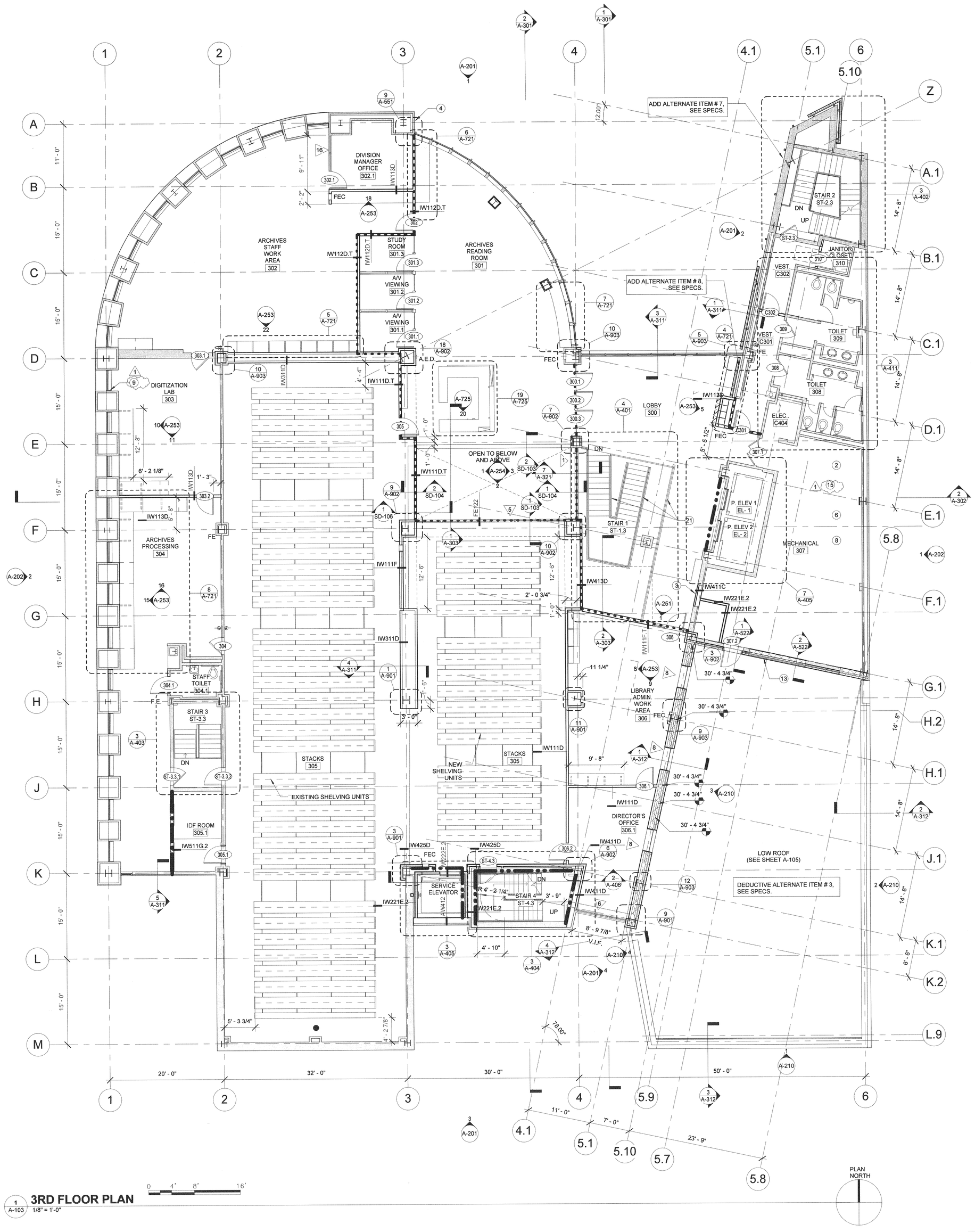

1 A-103 **3RD FLOOR PLAN**
1/8" = 1'-0"

PLAN GENERAL NOTES

1. ANY MECHANICAL, ELECTRICAL, OR DATA INFORMATION IS SHOWN FOR LOCATION COORDINATION ONLY. REFER TO DOCUMENTATION OF OTHER DISCIPLINES FOR ADDITIONAL INFORMATION.
2. REMOVE ANY WATER DAMAGED WALL/CEILING MATERIAL AND RELPLACE WITH NEW MATERIAL, FINISH AND PAINT.
3. FOR ADDITIONAL DIMENSION INFORMATION REFER TO ENLARGED PLAN SHEETS, DETAILS, AND INTERIOR ELEVATIONS WHERE PROVIDED.
4. DIMENSIONS ARE TO FINISH FACE, UNLESS NOTED OTHERWISE.
5. NOT USED
6. NOT USED
7. NOT USED
8. CLEAN ALL EXTERIOR MASONRY AND GLAZING AT SUBSTANTIAL COMPLETION.
9. REPAINT ALL HOLLOW METAL FRAMES AND DOORS.
10. REPLACE BACKER RODS AND SEALANT AT ALL EXISTING EXTERIOR LOCATIONS.REPAIR CRACK IN CONCRETE SLAB.
11. NOT USED
12. NOT USED
13. NOT USED

PLAN KEYNOTES

1. REPLACE WATER DAMAGED DRYWALL ON NORTH WALL.
2. PATCH 24"X24" HOLE IN SLAB ON NORTH END OF ELECTRICAL/ TELECOM AREAS.
3. PATCH AND REPAIR EXISTING WALL WITH SAME MATERIAL AND FINISH AS IMMEDIATE WALL SURROUND.
4. REPAIR AND REPAINT MASONRY.
5. REMOVE EXISTING FLASHING AND INSTALL NEW FLASHING.
6. PATCH 6" DIAMETER HOLE IN SLAB
7. INSTALL NEW HATCH, LOCK HARDWARE, AND WEATHER SEALS AT ROOF HATCH.
8. REPAIR ALL EXISTING SLAB AND WALL PENETRATIONS IN MECHANICAL AND ELECTRICAL ROOMS TO UL APPROVED DESIGN.
9. CONTRACTOR TO REMOVE METAL ANGLE AT THE BRICK COLUMNS AND WALL/
10. CONTRACTOR SHALL REMOVE PLYWOOD CAP ON THREE PIECES OF 4" CONDUIT AND INSTALL A METAL CAPS IN DATA ROOM 121.1
11. FILL OPEN CELLS OF BRICK VENEER BELOW PRECAST COPING.
12. SKYLIGHT ON ROOF CURB.
13. REMOVE MECHANICAL WALL LOUVERS.
14. INSTALL NEW LADDER WITH SAFETY CAGE BETWEEN HIGH ROOF AND LOW ROOF.
15. CONTRACTOR SHALL PATCH AND FINISH 6" DIAMETER HOLE IN FLOOR SLAB IN ROOM 307.
16. PATCH OPENINGS IN BLANK-OFF PANELS BEHIND MECHANICAL LOUVERS.
17. EXTERIOR BRICK IS APPROXIMATELY 1" OUT OF PLANE WITH BRICK ABOVE AT THE ROOF LEVEL. REPAIR AS NECESSARY.
18. NOT USED
19. NOT USED
20. ELEC. GATE, SEE TECHNOLOGY DRAWINGS.
21. NEW METAL RAILING
22. NOT USED
23. INSTALL NEW ROOF RAIL
24. NOT USED
25. NOT USED
26. NOT USED
27. NOT USED
28. ROOF WALK PADS

PLAN LEGEND

- EXISTING WALL CONSTRUCTION TO REMAIN CONTRACTOR TO REPAIR, TOUCH-UP AND PATCH DAMAGE TO EXISTING WALLS.
- NEW WALL CONSTRUCTION
- NEW FLOOR SLAB
- PROVIDE 2" TOPPING SLAB
- WINDOW TYPES

RELEASED FOR CONSTRUCTION

STATE OF GEORGIA
JOHN LEONARD BRADLEY
CERTIFICATE NO. 019767
REGISTERED ARCHITECT

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3RD FLOOR PLAN

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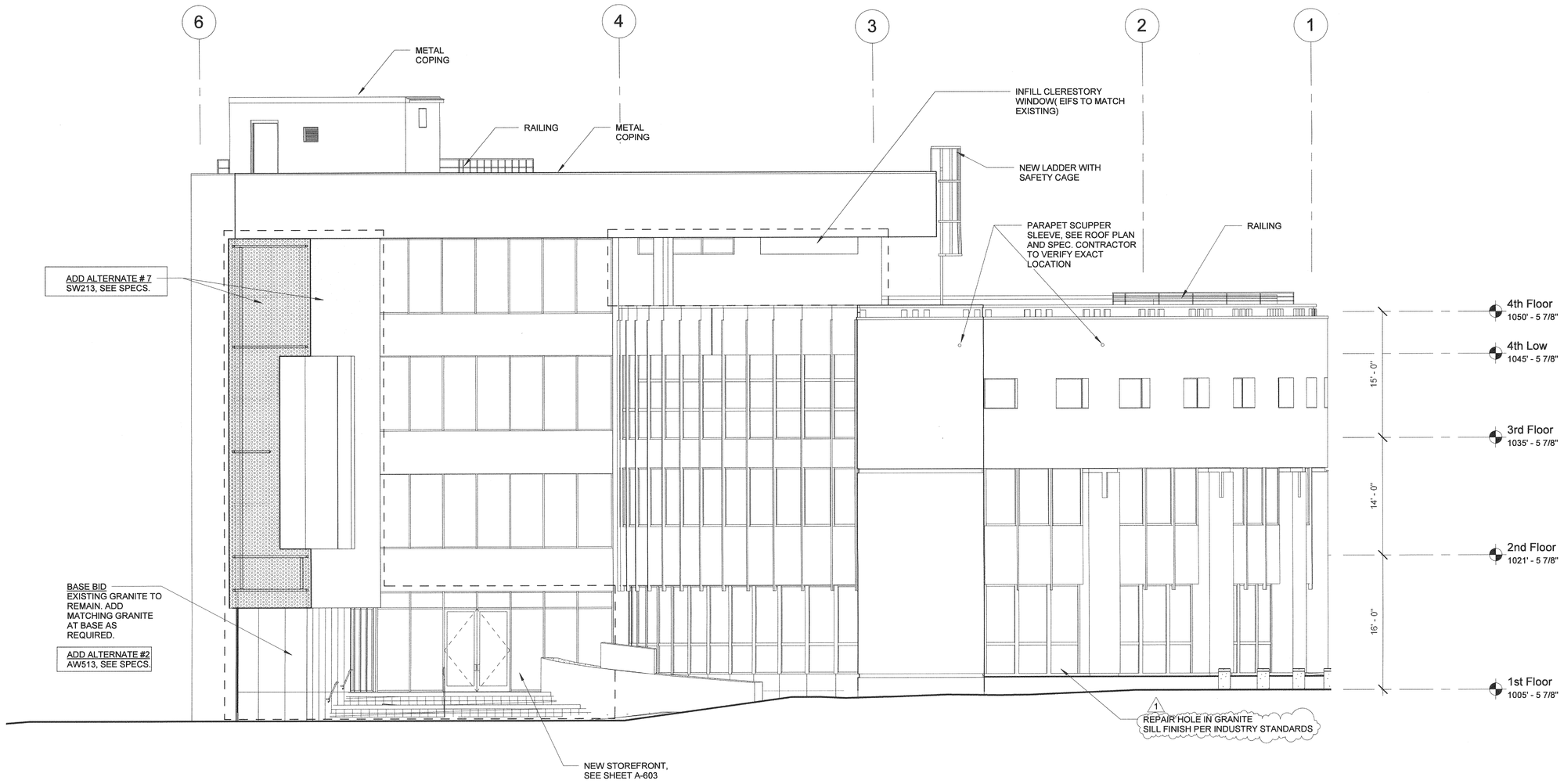
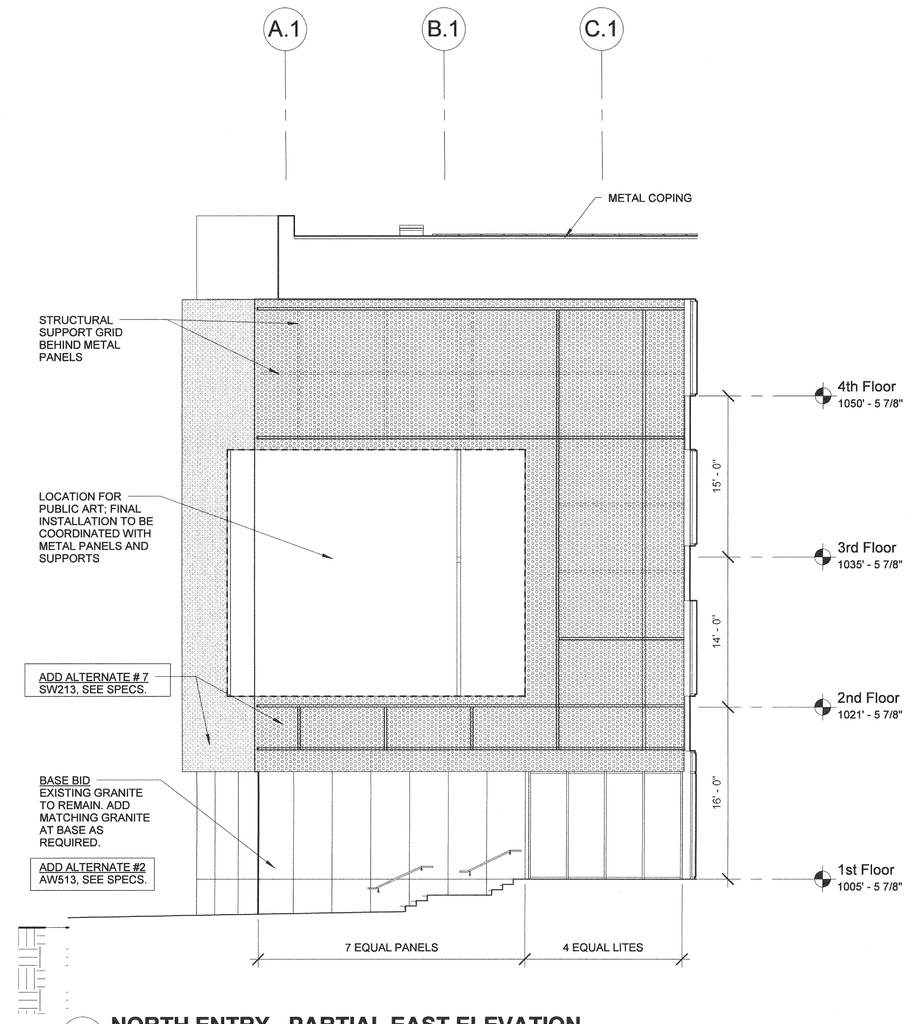
SHEET NUMBER
A-103



1 A-201 **NORTH ELEVATION - NEW**
1/8" = 1'-0"



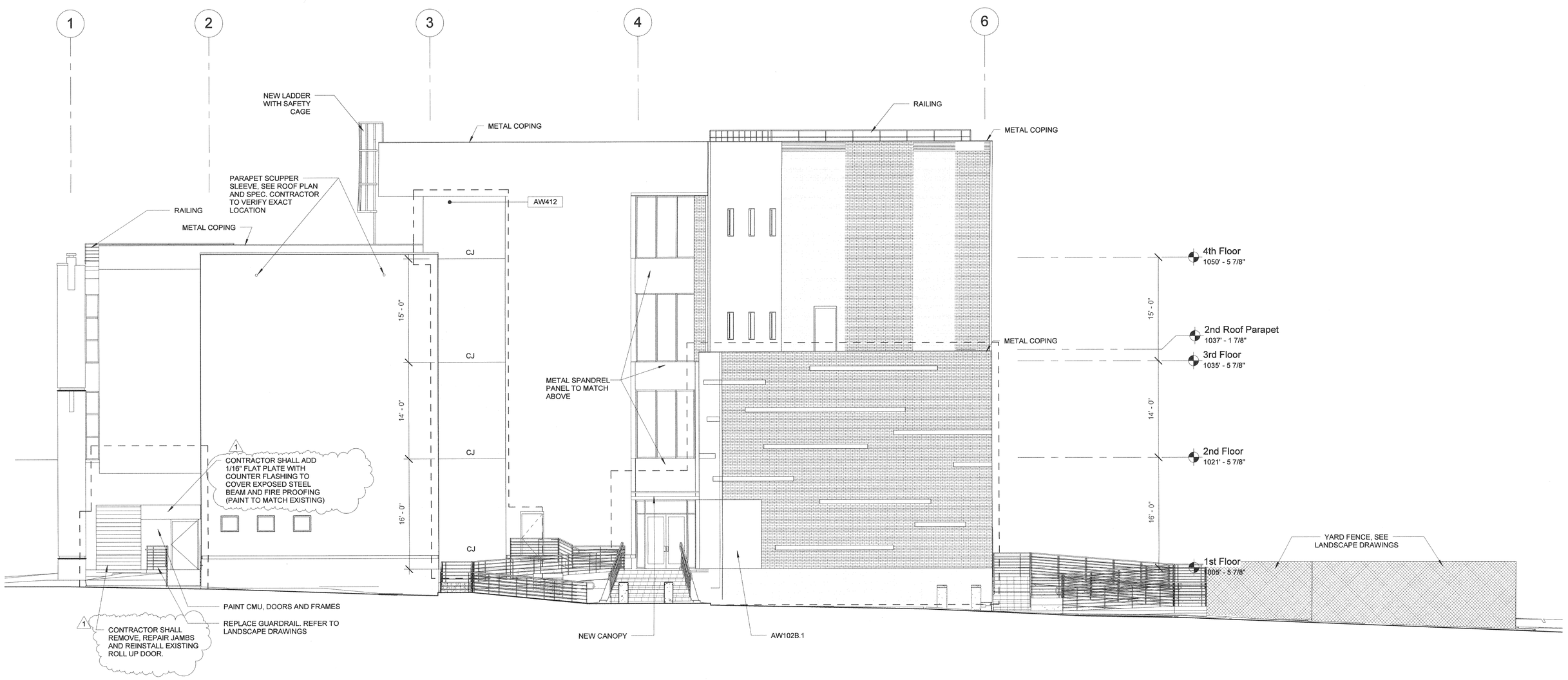
2 A-201 **NORTH ENTRY - PARTIAL EAST ELEVATION**
1/8" = 1'-0"

ELEVATION GENERAL NOTES

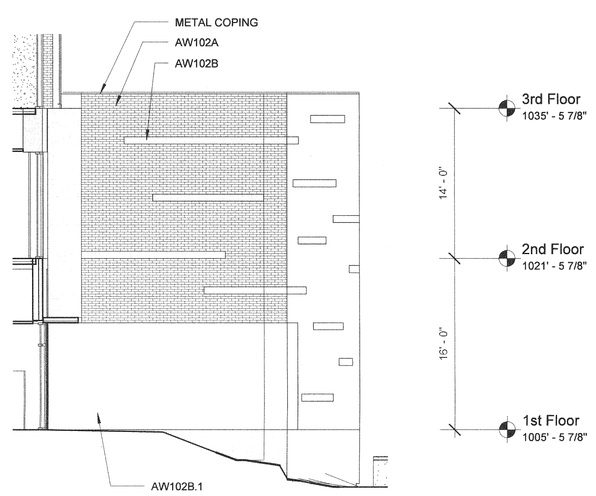
1. APPLY UV PROTECTIVE FILM TO ALL EXTERIOR GLAZING.
2. REPAINT ALL EXISTING EIFS TO REMAIN. ADD ELASTOMERIC COATING TO ALL NEW AND EXISTING EIFS.
3. FOR EXTERIOR WALL TYPE SEE SHEET A-011
4. REPLACE ALL PARAPET METAL COPING (SEE ROOF DETAILS).

ELEVATION LEGEND

NEW CONSTRUCTION



3 A-201 **SOUTH ELEVATION - NEW**
1/8" = 1'-0"



4 A-201 **SOUTH ENTRY - PARTIAL WEST ELEVATION**
1/8" = 1'-0"

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NORTH AND SOUTH ELEVATIONS

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JOB NO. 201208/2010003.00 AARL

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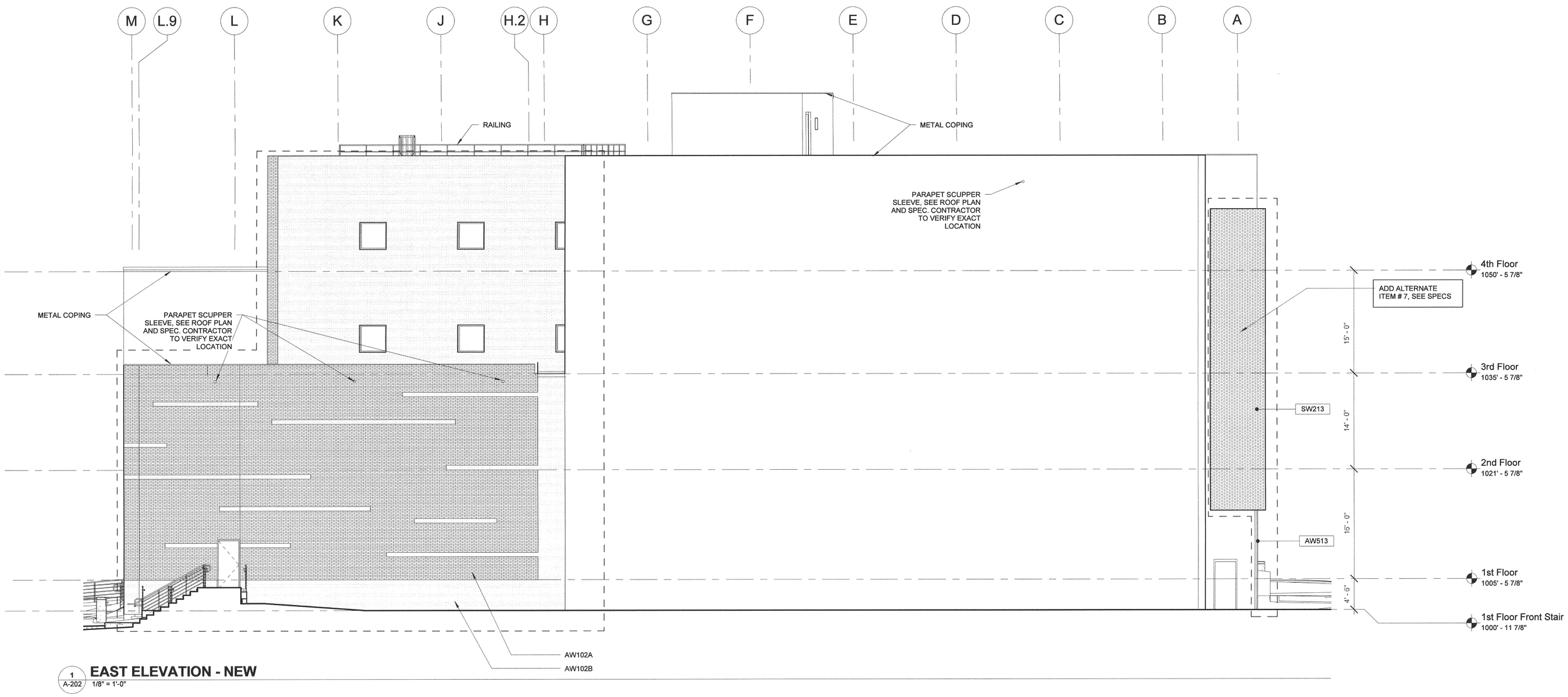
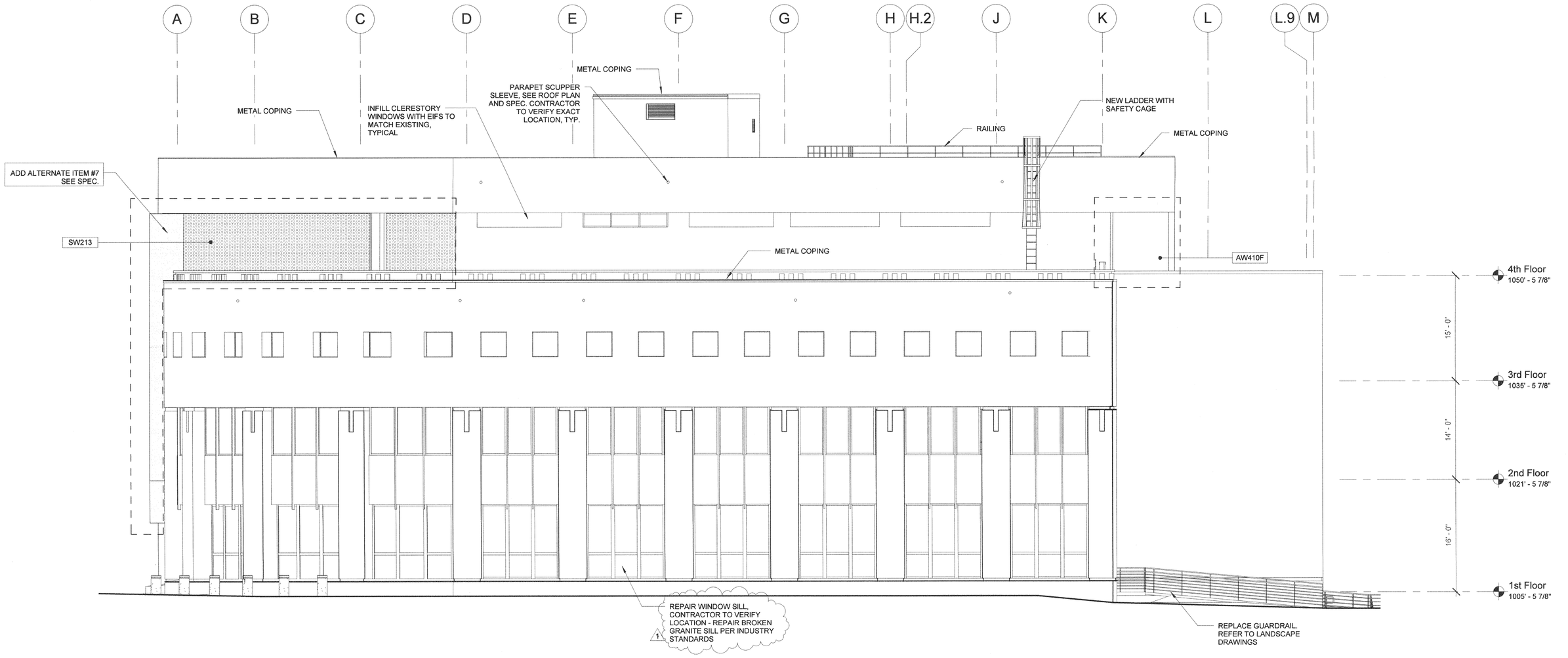
DATE: 27 MARCH 2014		REVISIONS
DATE: 29 AUGUST 2014		BIDDING
DATE: 6 OCTOBER 2014		1

SHEET NUMBER
A-201



1 A-202 **EAST ELEVATION - NEW**
1/8" = 1'-0"



2 A-202 **WEST ELEVATION - NEW**
1/8" = 1'-0"

ELEVATION GENERAL NOTES

1. APPLY UV PROTECTIVE FILM TO ALL EXTERIOR GLAZING.
2. REPAINT ALL EXISTING EIFS TO REMAIN. ADD ELASTOMERIC COATING TO ALL NEW AND EXISTING EIFS.
3. FOR EXTERIOR WALL TYPE SEE SHEET A-011
4. REPLACE ALL PARAPET METAL COPING (SEE ROOF DETAILS).

ELEVATION LEGEND

NEW CONSTRUCTION

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1	100 % CONSTRUCTION DOCUMENTS
	REVISIONS
	BIDDING

SHEET NUMBER
A-202

TECHNOLOGY SYSTEMS SYMBOL LEGEND

BASIC MATERIALS

SYMBOL	DESCRIPTION
J	JUNCTION BOX
J	FLOOR MOUNTED JUNCTION BOX
J	PEDESTAL MOUNTED JUNCTION BOX
	INGROUND PULL BOX
	EXISTING CONDUIT ABOVE HARD CEILING BETWEEN CEILING BOXES
	CONDUIT CONCEALED ABOVE CEILING OR IN WALL
	CONDUIT CONCEALED IN SLAB, UNDERGROUND OR UNDER FLOOR
	CONDUIT EXPOSED
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB
	CONDUIT CONTINUED
	FLEXIBLE CONDUIT
	GROUND OR GROUND ROD AS NOTED
	SLEEVE TURNING UP
	SLEEVE TURNING DOWN
	EXISTING TO BE REMOVED
	EXISTING TO REMAIN
	EXISTING AFFECTED BY THIS PROJECT FUTURE
	CABLE TRAY FOR HORIZONTAL CABLING.
	PENETRATION CONDUIT SLEEVE WITH BUSHINGS.

BROADBAND TELEVISION SYSTEM

SYMBOL	DESCRIPTION
	2 PORT TAP
	4 PORT TAP
	6 PORT TAP
2.5	8 PORT TAP
	TERMINATION TAP
	2 WAY SPLITTER
	3 WAY SPLITTER
	4 WAY SPLITTER
T	AMPLIFIER
	DIRECTIONAL COUPLER

AUDIO/VIDEO SYSTEM

SYMBOL	DESCRIPTION
X x Y	OVERHEAD PROJECTOR WITH SCREEN, SCREEN SIZE SHOWN ON PLANS
XX	FLAT PANEL DISPLAY - XX DENOTES THE SCREEN SIZE
X	OVERHEAD PROJECTOR - CEILING MOUNTED X - DENOTES TYPE
	CEILING MOUNTED DOCUMENT CAMERA
AV	AUDIO/VIDEO CAMERA
X x Y	PULLDOWN PROJECTION SCREEN, SIZE SPECIFIED ON PLANS
X x Y	MOTORIZED PROJECTION SCREEN, SIZE SPECIFIED ON PLANS
	OVERHEAD PROJECTION SCREEN MOTOR
S_x	WALL SWITCH FOR MOTORIZED SCREEN X = A, B, C... INTERFACE TYPE.
AV X	AUDIO VISUAL OUTLET - WALL MOUNTED WITH ADJACENT DEDICATED DUPLEX RECEPTACLE BY DIVISION 16
TV	TELEVISION OUTLET - WALL MOUNTED AT 7'-0" ABOVE FINISHED FLOOR. ADJACENT DUPLEX RECEPTACLE BY ELECTRICAL INSTALLER
FS	FLAT SCREEN INFRASTRUCTURE - UNLESS OTHERWISE SPECIFIED, MOUNTED AT 5'-6" ABOVE FINISHED FLOOR.
ALT	ASSISTED LISTENING TRANSMITTER
TS	TOUCH SCREEN AUDIO/VIDEO CONTROL
TS	WALL MOUNTED TOUCH SCREEN AUDIO/VIDEO CONTROL
SX_Y	CEILING MOUNTED SPEAKER x DENOTES TYPE y DENOTES ZONE
SX_Y	WALL MOUNTED SPEAKER x DENOTES TYPE y DENOTES ZONE NO ZONE DENOTES LOCAL AUDIO/VIDEO SYSTEM
S	SPEAKER - DEMOLITION PLAN
VC	VOLUME CONTROL. PROVIDE 3/4" CONDUIT STUB-UP ABOVE CEILING AND SINGLE STANDARD ELECTRICAL BOX AT 52" ABOVE FINISHED FLOOR
MX_Y	CEILING MOUNTED MICROPHONE OUTLET x DENOTES TYPE y DENOTES ZONE
MX_Y	WALL MOUNTED MICROPHONE x DENOTES TYPE y DENOTES ZONE NO ZONE DENOTES LOCAL AUDIO/VIDEO SYSTEM
MX_Y	SURFACE MOUNTED MICROPHONE x DENOTES TYPE y DENOTES ZONE NO ZONE DENOTES LOCAL AUDIO/VIDEO SYSTEM
M	MICROPHONE - DEMOLITION PLAN
SD	SATELLITE DISH
PODIUM	SEE PODIUM DETAILS
CP	CONTROL POINT FOR LOCAL CONTROL OF A/V EQUIPMENT
IC_X	INTERCOM STATION x DENOTES TYPE
SP	FLOOR MOUNTED SPEAKER
HP	WALL MOUNTED 1/4" HEADPHONE INPUT

INTERCOM & PAGING SYSTEM

SYMBOL	DESCRIPTION
AP	ADMINISTRATIVE PHONE
HS	HANDSET
CS	CALL STATION
SX_Y	CEILING MOUNTED SPEAKER x DENOTES TYPE y DENOTES ZONE
SX_Y	WALL MOUNTED SPEAKER x DENOTES TYPE y DENOTES ZONE NO ZONE DENOTES LOCAL AUDIO/VIDEO SYSTEM

VOICE & DATA SYSTEM

SYMBOL	DESCRIPTION
C X N	MOUNTING 2" ABOVE COUNTER OR BACK SPLASH X = MOUNTING (F)LUSH, (S)URFACE, (M)ODULAR FURNITURE ADAPTER (P)OLE, (R)ACEWAY, (D)OUBLE GANG FLUSH, (PD) PEDESTAL N = # OF DATA CABLES COMMUNICATIONS "INFORMATION OUTLET" MOUNTED AT RECEPTACLE HEIGHT UNLESS OTHERWISE NOTED. MODULE AND FACEPLATE DESCRIPTIONS ON DETAIL SHEETS SPECIAL NOTES: 1. VOICE JACKS: EACH RJ45 CAT6 JACK FOR VOICE SHALL BE CONNECTED TO A DEDICATED UTP 4 PR CAT6 CABLE. 2. DATA JACKS: EACH RJ45 CAT6 JACK FOR DATA SHALL BE CONNECTED TO A DEDICATED UTP 4 PR CAT6 CABLE
W F1	WALL TELEPHONE OUTLET FOR HOUSE PHONE. MOUNTED AT 52" ABOVE FINISHED FLOOR TO TOP.
W P1	WALL TELEPHONE OUTLET FOR PAY PHONE. MOUNTED AT 48" ABOVE FINISHED FLOOR.
P ADA	WALL TELEPHONE OUTLET FOR PAY PHONE. ADA COMPLIANT 42" ABOVE FINISHED FLOOR.
WAP XON	WIRELESS ACCESS POINT OUTLET. ACTUAL QUANTITY AND LOCATIONS OF WIRELESS ACCESS POINTS BASED ON SIGNAL SURVEY BY WLAN VENDOR. X = MOUNTING (F)LUSH, (S)URFACE, (C)EILING. N = # OF DATA JACKS. MAXIMUM CABLE LENGTH 262 FT
S1 ELV	WALL TELEPHONE OUTLET FOR TELEPHONE IN ELEVATOR MACHINE ROOM. (S)URFACE MOUNTED AT 52" ABOVE FINISHED FLOOR.
XNNN	COMBINED VOICE/DATA, AUDIO/VIDEO AND POWER OUTLETS IN FLOOR BOX. POWER RECEPTACLE IS SHOWN FOR REFERENCE ONLY. CONDUIT, BOX AND POWER RECEPTACLE PROVIDED BY **DIVISION 26**. X = A, B, C... FLOOR BOX TYPE. N'S ARE DESCRIBED ABOVE.
TB XNNN	TABLE TOP POP-UP WITH VOICE/DATA, AUDIO/VIDEO AND POWER INTERFACE. X = A, B, C... FLOOR BOX TYPE. N'S ARE DESCRIBED ABOVE.
P XNNN	POKE THRU WITH COMBINED VOICE/DATA, AUDIO/VIDEO AND POWER. X = A, B, C... FLOOR BOX TYPE. N'S ARE DESCRIBED ABOVE.
	3/4" PLYWOOD BACKBOARD. BY DIVISION 26
	IDF - 2 POST RACK
	IDF - 4 POST RACK
	TELECOMM PANEL
TEF:	TELECOMMUNICATIONS ENTRANCE FACILITY
TR:	TELECOMMUNICATIONS ROOM
TER:	TELECOMMUNICATIONS EQUIPMENT ROOM

INTRUSION DETECTION

SYMBOL	DESCRIPTION
M	DIRECTIONAL MOTION DETECTOR
	360° MOTION DETECTOR
G	GLASS BREAK SENSOR
D	DURESS BUTTON MOUNTED UNDERSIDE OF COUNTER
D	DURESS BUTTON WALL MOUNTED

SECURITY SYSTEM

SYMBOL	DESCRIPTION
FIX	FIXED CCTV CAMERA
PTZ	PAN/TILT/ZOOM CCTV CAMERA
C #	CAMERA NUMBER DESIGNATION
	SECURITY PANEL
DPS	DOOR POSITION SWITCH
BMS	BALANCED MAGNETIC SWITCH
CR	CARD READER
KP	KEYPAD
CK	COMBINED CARD READER/KEYPAD
HS	HIRSH SCRAMBLE KEYPAD
IK	INTRUSION ALARM KEYPAD
BR	BIOMETRIC READER
AS	WEATHERPROOF ALARM SIREN
EL	ELECTRIC LATCH
EM	ELECTRIC MORTISE/TRIM LOCK
ES	ELECTRIC STRIKE
ML	MAGNETIC LOCK
SL	SHEAR LOCK
DE	DELAYED EGRESS
DL	DETENTION LOCK
DI	DOOR INTERLOCK
	REMOTE DOOR RELEASE BUTTON
O	REX OR ADA DOOR OPEN BUTTON
PP	HANDICAP DOOR OPERATOR PUSH PLATE
IC	INTERCOM SUBSTATION
SP	SPEAKER PHONE
MON	CCTV MONITOR
P	PHOTO ELECTRIC BEAM
MI	INTERCOM MASTER STATION
R	REQUEST TO EXIT MOTION SENSOR
X	ASSOCIATED DOOR DETAIL REFERENCE
PC	PERSONAL COMPUTER WORKSTATION

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

GENERAL NOTES

GENERAL SYSTEM NOTES

1. PRODUCTS SHALL BE OF MATERIALS THAT ARE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED.
2. WORKING CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL BE MAINTAINED IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 110, COORDINATE EQUIPMENT INSTALLATION TO MAINTAIN REQUIRED CLEARANCES.
3. IF AN OUTLET BOX IS REQUIRED TO BE LOCATED IN AN ASSEMBLY OR PARTITION RATED AS "FIRE/SMOKE" OR "SMOKE" OR IDENTIFIED AS EITHER "FIRE/SMOKE" OR "SMOKE", THEN ALL OF THE FOLLOWING CONDITIONS SHALL BE MET:
   - A. THE OUTLET BOX SHALL BE METALLIC.
   - B. THE OUTLET BOX OPENINGS SHALL OCCUR ONLY ON ONE SIDE OF THE FRAMING SPACE.
   - C. THE OUTLET BOX OPENINGS SHALL NOT EXCEED 16 SQUARE INCHES.
   - D. ALL CLEARANCES BETWEEN THE OUTLET BOX AND THE WALL BOARD MATERIAL SHALL BE COMPLETELY SEALED WITH APPROVED MATERIALS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS FOR THE PROJECT.
   - E. PROVIDE A SUPPLEMENTAL BARRIER AROUND OUTLETS LARGER THAN 16 INCHES SO THAT THE ORIGINAL RATING OF THE PENETRATION IS MAINTAINED.
   - F. THE TOTAL AGGREGATE SURFACE AREA OF THE OUTLET BOX SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET.
   - G. THE OUTLET BOX SHALL BE SEPARATED FROM OPENINGS ON THE OPPOSITE SIDE OF THE RATED PARTITION BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.
   - H. THE OUTLET BOX SHALL BE SECURELY FASTENED TO A PARTITION FRAMING MEMBER BY MEANS OF AN APPROVED ATTACHMENT METHOD.
   - I. OPENINGS CUT INTO THE WALL BOARD MATERIAL SHALL NOT EXCEED 1/8 INCH BETWEEN THE EDGES OF THE OUTLET BOX AND THE EDGES OF THE OPENING.
4. LOCATIONS OF EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE, COORDINATE EXACT EQUIPMENT LOCATION AND CONNECTION REQUIREMENTS WITH THE APPROPRIATE TRADE PRIOR TO INSTALLATION.
5. FOR EXACT LOCATION OF CEILING MOUNTED EQUIPMENT REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN. LOCATIONS OF EQUIPMENT NOT INCLUDED ON THE REFLECTED CEILING PLAN SHALL BE COORDINATED WITH THOSE ITEMS SHOWN. COORDINATION OF CEILING MOUNTED EQUIPMENT SHALL BE PRIOR TO ANY ROUGH-IN. NOTIFY ENGINEER OF ANY DISCREPANCY.
6. PROVIDE FINAL CONNECTIONS TO OWNER PROVIDED EQUIPMENT WHERE INDICATED ON THE PLAN DRAWINGS.
7. PRIOR TO ROUGH-IN AND INSTALLATION OF ANY FLOOR MOUNTED DEVICE, VERIFY LOCATION WITH THE OWNER AND ARCHITECT.
8. VERIFY AND COORDINATE THE LOCATION OF REQUIRED **DIVISION 27** OUTLETS WITH OTHER TRADE DRAWINGS AND OWNER PROVIDED EQUIPMENT.
9. EACH TELEVISION OUTLET LOCATION SHOWN, SHALL HAVE A DOUBLE GANG OUTLET BOX WITH A SINGLE GANG PLASTER RING AND (1) 1" CONDUIT STUBBED UP TO AN ACCESSIBLE LOCATION ABOVE THE FINISHED CEILING OR TO AN ACCESSIBLE CABLE TRAY WHERE PROVIDED.
10. THE DESIGNATION "N.I.C." SHALL DENOTE ITEMS, WHICH ARE "NOT IN CONTRACT".
11. THE DESIGNATION "U.S.C." SHALL DENOTE ITEMS, WHICH ARE "UNDER SEPARATE CONTRACT".
12. THE DESIGNATION "F.B.O." SHALL DENOTE ITEMS, WHICH ARE "FURNISHED BY OTHERS".
13. THE DESIGNATION "O.F.E." SHALL DENOTE ITEMS, WHICH ARE "OWNER FURNISHED EQUIPMENT".
14. THE DESIGNATION "D.H.C." SHALL DENOTE "DOOR HARDWARE INSTALLER".
15. THE DESIGNATION "O.F.C.I." SHALL DENOTE ITEMS WHICH ARE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
16. ALL RACEWAY SYSTEMS SHOWN TO SUPPORT THE INSTALLATION OF THE DIVISION 17 EQUIPMENT SHALL BE PROVIDED BY THE ELECTRICAL INSTALLER. PROVIDE COORDINATION FOR THE INSTALLATION OF THIS BE PROVIDED BY THE ELECTRICAL INSTALLER.
17. THE SYMBOL LEGENDS SHOWN ON THIS SHEET ARE ALL INCLUSIVE, SYMBOLS INCLUDED IN THE LEGENDS MAY OR MAY NOT BE USED IN THESE PROJECT DRAWINGS.
18. EACH VOICE/DATA OUTLET LOCATION SHOWN, SHALL HAVE A DOUBLE GANG OUTLET BOX WITH A SINGLE GANG PLASTER RING AND (1) 1" CONDUIT STUBBED UP TO AN ACCESSIBLE LOCATION ABOVE THE FINISHED CEILING, TO AN ACCESSIBLE CABLE TRAY WHERE PROVIDED OR HOMERUN IN SLAB TO NEAREST COMMUNICATIONS ROOM. WORK BY ELECTRICAL INSTALLER.
19. EACH FLOOR MOUNTED VOICE/DATA OUTLET SHALL HAVE A SINGLE GANG SPACE WITHIN THE FLOOR BOX AND (1) 1" CONDUIT CONCEALED IN SLAB STUBBED UP TO AN ACCESSIBLE LOCATION ABOVE THE FINISHED CEILING OR TO AN ACCESSIBLE CABLE TRAY WHERE PROVIDED. WORK BY ELECTRICAL INSTALLER.
20. ALL BONDING AND GROUNDING ELEMENTS UTILIZED FOR STRUCTURED CABLING SYSTEM SHALL BE IN COMPLIANCE WITH SPECIFICATIONS.
21. PROVIDE ALL SLEEVES AS REQUIRED FOR ALL LOW VOLTAGE CABLE PATHWAYS. RESTORE THE FIRE RATING OF THE SURFACE.
22. ALL CABLES SHALL BE SUITABLE TO THE ENVIRONMENT TO WHERE THEY WILL BE INSTALLED.
23. ALL INDOOR CONDUITS N0 LARGER THAN 1" SHOWN ON THE GROUND FLOOR SHALL BE INSTALLED EMBEDDED IN THE SLAB. CONDUITS SHALL BE KEPT DRY AND CLEAN PRIOR TO PULLING CABLES.
24. ANYTHING NOT DESIGNATED AS ROUGH-IN AND SUPPORT RESPONSIBILITY ON THESE DRAWINGS IS IN THE SYSTEM INSTALLER SCOPE OF WORK.
25. SEE DETAIL SHEETS FOR DEVICE MOUNTING REQUIREMENTS AND ADDITIONAL INFORMATION.
26. IN ELECTRICAL AND MECHANICAL ROOMS, CONDUIT FOR LOW VOLTAGE OUTLETS SHALL BE EXTENDED TO ACCESSIBLE CEILING OUTSIDE OF THE ROOM.

SECURITY SYSTEM NOTES

1. ALL DOUBLE DOORS ARE TO RECEIVE (1) DOOR POSITION SWITCH ON EACH DOOR LEAF AND SHALL REPORT AS ONE ALARM POINT.
2. ALL 120V POWER WIRING SHALL BE INSTALLED IN A SEPARATE CONDUIT.
3. FIBER CCTV LOCATION WHICH EXCEEDS 3000 FEET SHALL BE EQUIPPED WITH 2 FIBER CONNECTIONS 1 VIDEO, 1 DATA
4. ALL POWER CIRCUITS, 120VAC AND 24VAC, SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR WHICH IS EQUAL IN SIZE TO THE PHASE AND NEUTRAL CONDUCTORS.
5. ALL CONDUIT ABOVE GRADE SHALL BE METALLIC, ALL CONDUIT BELOW GRADE SHALL BE PVC UNLESS OTHERWISE NOTED ON DRAWINGS.
6. ALL CARD READERS AND KEYPADS DEDICATED FOR ELEVATOR FLOOR SELECTION CONTROL ARE SHOWN INSIDE THE ELEVATOR CAB ON THE LOWEST LEVEL FLOOR PLAN TO WHICH THE ELEVATOR TRAVELS.
7. ALL CONDUIT, WIRING, AND ASSOCIATED BACK BOXES SHALL BE FULLY CONCEALED WITHIN WALLS, FLOORS, AND CEILINGS.
8. INSTALLATION OF CATEGORY 6 UTP CABLE SHALL BE IN ACCORDANCE WITH EIA/TIA GUIDELINES. CABLE INSTALLATION AND TERMINATIONS THAT DO NOT COMPLY SHALL BE REPLACED BY THE INSTALLER.
   - A. THE MAXIMUM PULLING TENSION SHALL NOT EXCEED 25 POUNDS TO AVOID STRETCHING THE CONDUCTORS.
   - B. THE MINIMUM BENDING RADIUS OF THE CABLE SHALL NOT BE LESS THAN 4X THE OUTSIDE DIAMETER OF THE CABLE.
   - C. THE CABLE SHALL BE INSTALLED WITHOUT KINKS OR TWISTS AND THE APPLICATION OF CABLE TIES SHALL NOT DEFORM THE CABLE BUNDLE.
   - D. STRIP BACK ONLY AS MUCH CABLE JACKET AS IS REQUIRED TO TERMINATE THE CABLE. CABLE PAIRS SHALL NOT BE UNTWISTED MORE THAN 1/2 INCH.
9. INSTALLATION OF FIBER OPTIC CABLES SHALL BE IN ACCORDANCE WITH EIA/TIA GUIDELINES. CABLE INSTALLATION AND TERMINATIONS THAT DO NOT COMPLY SHALL BE REPLACED BY THE INSTALLER.
   - A. THE BEND RADIUS FOR INTRABUILDING 2 AND 4-FIBER HORIZONTAL OPTICAL FIBER CABLE SHALL NOT BE LESS THAN 1 INCH UNDER NO-LOAD CONDITIONS. WHEN UNDER A MAXIMUM TENSILE LOAD OF 50 LBF, THE BEND RADIUS SHALL NOT BE LESS THAN 2 INCHES.
   - B. THE BEND RADIUS FOR INTRABUILDING OPTICAL FIBER BACKBONE SHALL NOT BE LESS THAN THAT RECOMMENDED BY THE MANUFACTURER IF NO RECOMMENDATION IS KNOWN, THEN THE APPLIED BEND RADIUS SHALL NOT BE LESS THAN 10 TIMES THE CABLE OUTSIDE DIAMETER UNDER NO-LOAD CONDITIONS AND NOT LESS THAN 15 TIMES THE CABLE OUTSIDE DIAMETER WHEN THE CABLE IS UNDER TENSILE LOAD.
   - C. THE BEND RADIUS FOR INTER BUILDING (OSP) OPTICAL FIBER BACKBONE SHALL NOT BE LESS THAN THAT RECOMMENDED BY THE MANUFACTURER IF NO RECOMMENDATION IS KNOWN, THEN THE APPLIED BEND RADIUS SHALL NOT BE LESS THAN 10 TIMES THE CABLE OUTSIDE DIAMETER NO-LOAD CONDITIONS AND NOT LESS THAN 20 TIMES THE CABLE OUTSIDE DIAMETER WHEN THE CABLE IS UNDER A TENSILE LOAD UP TO THE RATING OF THE CABLE, USUALLY 600 LBF.
10. COORDINATE LOCATION OF ALL FIRE RATED PENETRATIONS PRIOR TO PROCEEDING WITH INSTALLATION. ALL PENETRATIONS THROUGH FIRE RATED BARRIERS SHALL BE COMPLETELY SEALED WITH APPROPRIATE FIRE STOP MATERIAL IN ACCORDANCE WITH NFPA AND FIRE AUTHORITY HAVING JURISDICTION.
11. ALL DELAYED EGRESS LOCKS AND MAGNETIC LOCKS, SHALL RECEIVE A FIRE ALARM RELAY TO RELEASE THE DOOR UPON ALARM AS REQUIRED BY CODE.

T - Technology Drawing Index

SHEET	DESCRIPTION	ISSUED
T-001	TECHNOLOGY SYMBOL LEGEND	Yes
T-101-D	TECHNOLOGY FIRST FLOOR DEMOLITION PLAN	Yes
T-102-D	TECHNOLOGY SECOND FLOOR DEMOLITION PLAN	Yes
T-103-D	TECHNOLOGY THIRD FLOOR DEMOLITION PLAN	Yes
T-104-D	TECHNOLOGY FOURTH FLOOR DEMOLITION PLAN	Yes
T-211	FIRST FLOOR PLAN - ACCESS CONTROL & CCTV	Yes
T-212	SECOND FLOOR PLAN - ACCESS CONTROL & CCTV	Yes
T-213	THIRD FLOOR PLAN - ACCESS CONTROL & CCTV	Yes
T-214	FOURTH FLOOR PLAN - ACCESS CONTROL & CCTV	Yes
T-221	FIRST FLOOR PLAN - AUDIO / VIDEO	Yes
T-222	SECOND FLOOR PLAN - AUDIO / VIDEO	Yes
T-223	THIRD FLOOR PLAN - AUDIO / VIDEO	Yes
T-224	FOURTH FLOOR PLAN - AUDIO / VIDEO	Yes
T-231	FIRST FLOOR PLAN - INTRUSION DETECTION & PAGING	Yes
T-232	SECOND FLOOR PLAN - INTRUSION DETECTION & PAGING	Yes
T-233	THIRD FLOOR PLAN - INTRUSION DETECTION & PAGING	Yes
T-234	FOURTH FLOOR PLAN - INTRUSION DETECTION & PAGING	Yes
T-241	FIRST FLOOR PLAN - STRUCTURED CABLING	Yes
T-242	SECOND FLOOR PLAN - STRUCTURED CABLING	Yes
T-243	THIRD FLOOR PLAN - STRUCTURED CABLING	Yes
T-244	FOURTH FLOOR PLAN - STRUCTURED CABLING	Yes
T-301	TECHNOLOGY DETAILS	Yes
T-302	TECHNOLOGY DETAILS	Yes
T-303	TECHNOLOGY DETAILS	Yes
T-304	TECHNOLOGY DETAILS	Yes
T-305	TECHNOLOGY DETAILS	Yes
T-306	TECHNOLOGY DETAILS	Yes
T-307	TECHNOLOGY DETAILS	Yes
T-401	TECHNOLOGY RISER DIAGRAM	Yes
T-402	TECHNOLOGY RISER DIAGRAM	Yes
T-403	TECHNOLOGY RISER DIAGRAM	Yes
T-404	TECHNOLOGY RISER DIAGRAM	Yes
T-405	TECHNOLOGY RISER DIAGRAM	Yes
T-406	TECHNOLOGY RISER DIAGRAM	Yes
T-407	TECHNOLOGY RISER DIAGRAM	Yes
T-408	TECHNOLOGY RISER DIAGRAM	Yes
T-409	TECHNOLOGY RISER DIAGRAM	Yes
T-410	TECHNOLOGY RISER DIAGRAM	Yes

RELEASED FOR CONSTRUCTION

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GERALD J. VERSLUYS 029527
GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 029527 GERALD J. VERSLUYS

JOB NAME: Auburn Ave Research Library
101 Auburn Ave, Atlanta, GA
SHEET NAME: TECHNOLOGY SYMBOL LEGEND

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JOB NO. 201208/2010003.00 AARL
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DATE: 15 MAY 2014 REVISIONS:
DATE: 29 AUGUST 2014 1 October 6, 2014 Revision #1

SHEET NUMBER T-001

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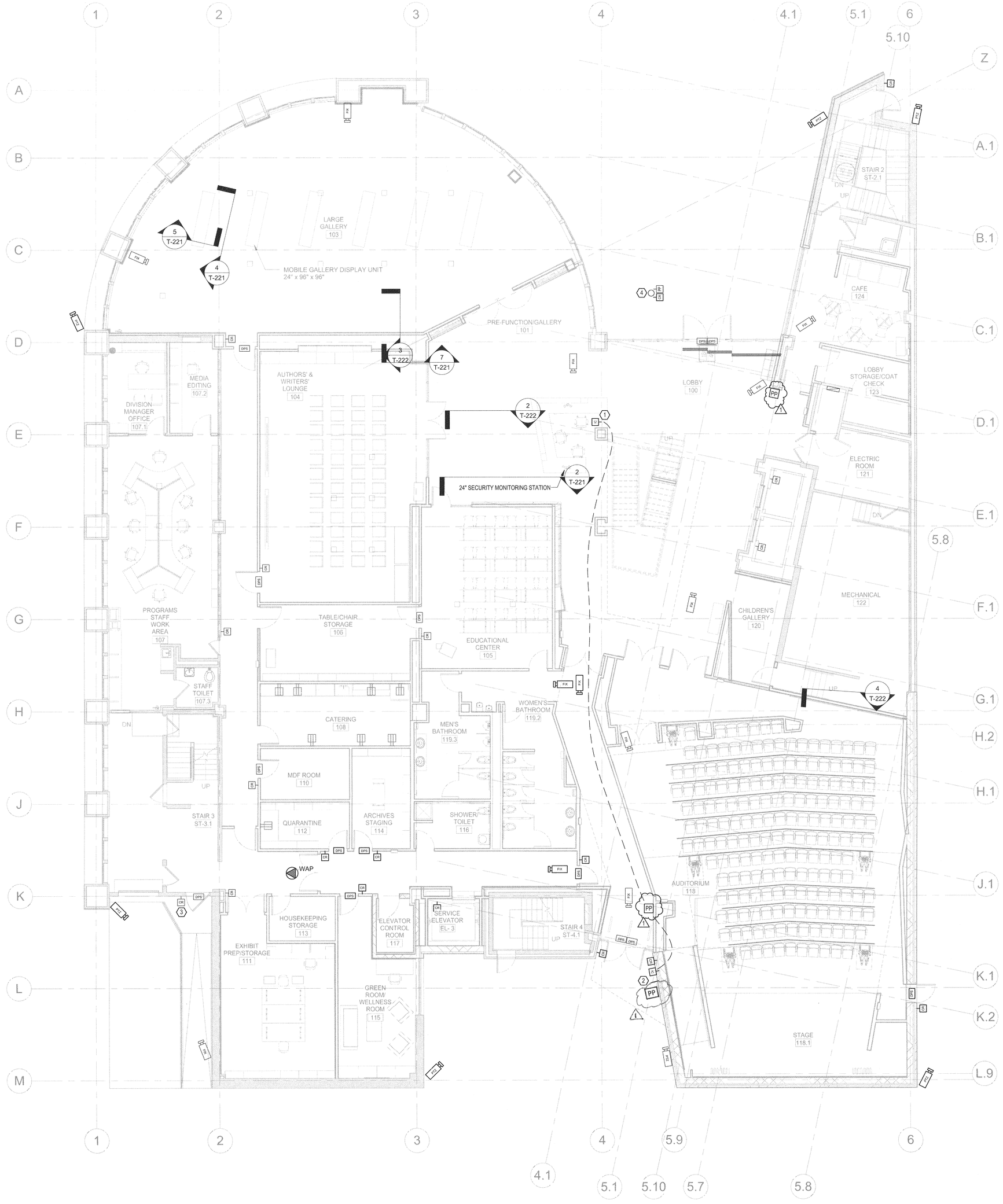

1 - Access Control & CCTV
1/8" = 1'-0"

GENERAL ACCESS CONTROL & CCTV PLAN NOTES:

1. REFER TO ARCHITECTURAL ELEVATIONS FOR FINAL MOUNTING HEIGHTS OF ALL DEVICES. UNLESS NOTED OTHERWISE, ARCHITECTURAL ELEVATIONS SHALL DICTATE MOUNTING HEIGHTS OF ALL FIXTURES.
2. VERIFY AND COORDINATE EXACT ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION OF EQUIPMENT.
3. COORDINATE INSTALLATION OF ALL LOW VOLTAGE SYSTEMS WITH O.F.C.I. PATIENT HEADWALL SYSTEMS PRIOR TO BEGINNING ROUGH-IN OF AREA.
4. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL DEVICES WITH ARCHITECTURAL DRAWINGS AND CASEWORK ELEVATION DRAWINGS.
5. REFER TO SYSTEM RISER DIAGRAMS AND DETAILS FOR ADDITIONAL INFORMATION.
6. THE ACCESS CONTROL SYSTEM WILL BE PROVIDED AND INSTALLED BY THE COUNTY'S SECURITY VENDOR.
7. THE CCTV CAMERAS, CABLING AND ASSOCIATED NETWORK EQUIPMENT WILL BE PROVIDED AND INSTALLED BY THE COUNTY'S SECURITY CONTRACTOR.
8. ALL CONDUITS, BACK BOXES AND ELECTRICAL REQUIREMENTS WILL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR.

TECHNOLOGY KEYED NOTES

1. PROVIDE VIDEO INTERCOM MASTER STATION WITH DOOR RELEASE RELAY TO RELEASE SOUTH ENTRANCE DOOR.
2. PROVIDE STAINLESS STEEL VANDALRESISTANT VIDEO INTERCOM DOOR STATION.
3. ROUTE CONDUIT SURFACE MOUNTED INSIDE BUILDING AND POKE THRU MASONRY WALL AT CARD READER LOCATION.
4. PROVIDE PUSH PLATE AND CARD READER MOUNTED IN BOLLARD. BOLLARD TO BE SPECIFIED BY ARCHITECTURAL.

WALL RATINGS LEGEND

WALL RATINGS

- 1 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION
- 2 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION
- 3 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION
- 4 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION
- SMOKE SEPARATION ASSEMBLY

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PROFESSIONAL ENGINEER
GERALD J. JERSLUN'S

PROJECT NAME
Auburn Ave Research Library
101 Auburn Ave, Atlanta, GA

PROJECT TITLE
FIRST FLOOR PLAN - ACCESS CONTROL & CCTV

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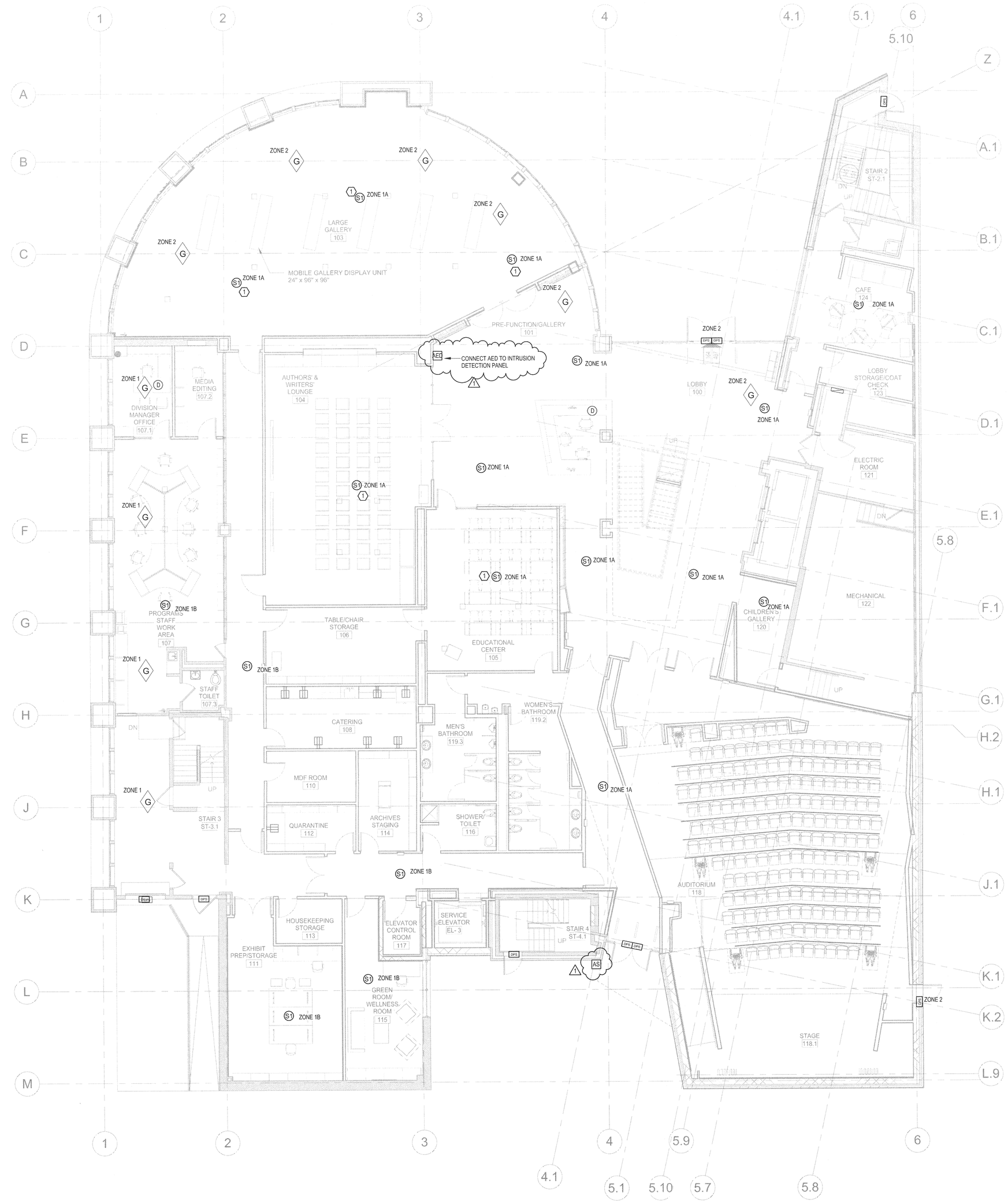

1 - Intrusion Detection & Paging
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GENERAL INTRUSION DETECTION AND PUBLIC ADDRESS PLAN NOTES:

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8. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CORRECT COMMUNICATION OF ALL ALARMS TO THE FULTON COUNTY 911 CENTER AND AT FACILITIES AND TRANSPORTATION SERVICES (FTS). THE GENERAL CONTRACTOR IS ALSO RESPONSIBLE FOR TESTING THE RESPONSE TO THE ALARMS WITH THE LOCAL EMERGENCY RESPONDERS.

TECHNOLOGY KEYED NOTES

1. PAGING SPEAKERS SHOULD OVERRIDE AV SPEAKERS. TYPICAL OF ALL SPACES WITH BOTH.

WALL RATINGS LEGEND

WALL RATINGS

1 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION	1 1 1
2 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION	1 1 1
3 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION	
4 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION	
SMOKE SEPARATION ASSEMBLY	

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PROFESSIONAL ENGINEER
GERALD J. VERSLUIS

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

CLIENT NAME:
FIRST FLOOR PLAN - INTRUSION DETECTION & PAGING

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GENERAL INTRUSION DETECTION AND PUBLIC ADDRESS PLAN NOTES:

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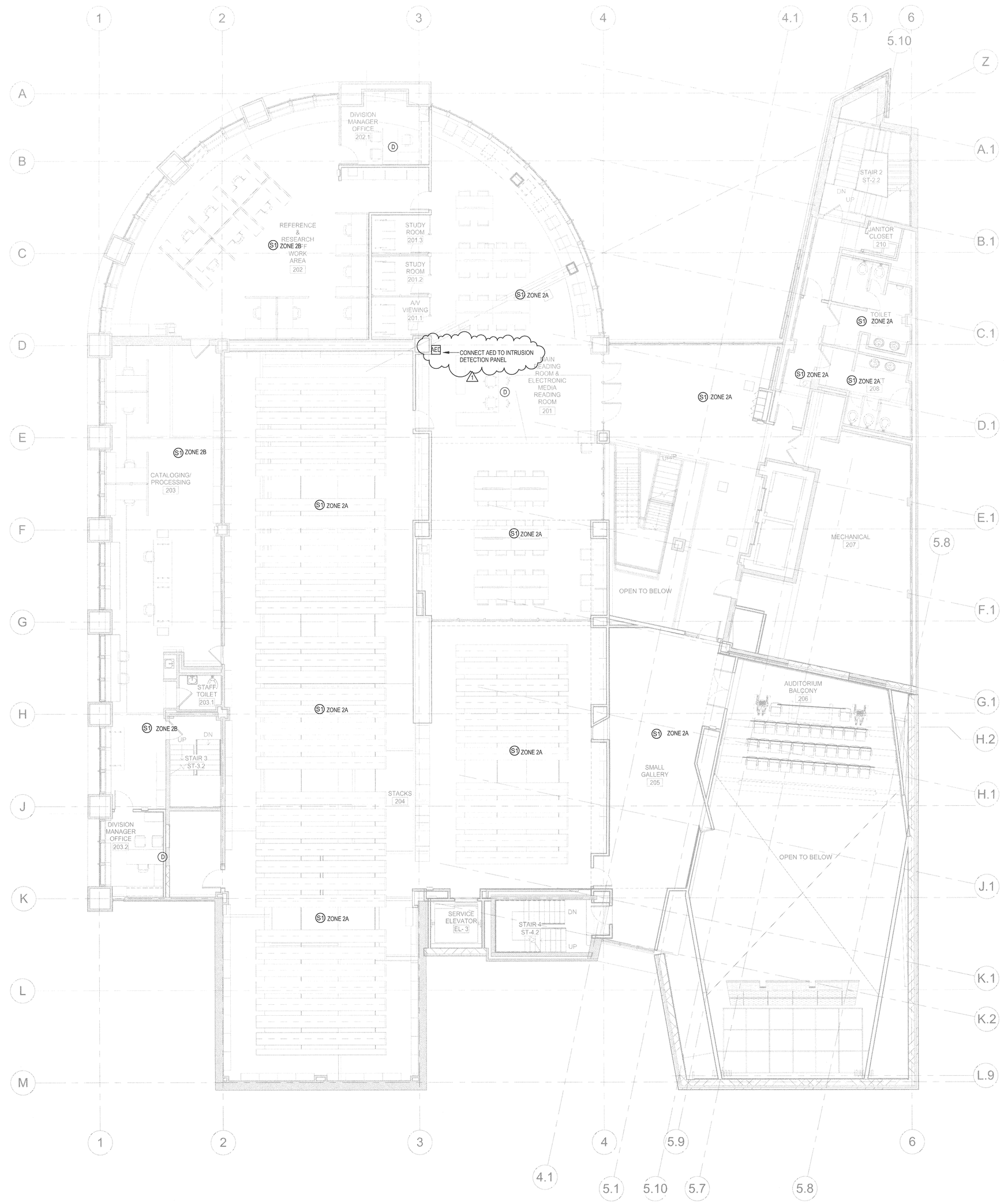

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JOB NAME: Auburn Ave Research Library
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SHEET NAME: SECOND FLOOR PLAN - INTRUSION DETECTION & PAGING

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GENERAL INTRUSION DETECTION AND PUBLIC ADDRESS PLAN NOTES:

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TECHNOLOGY KEYED NOTES

1. PROVIDE DOOR RELEASE BUTTON, RELAY AND MAGNETIC LOCK TO RELEASE MIDDLE DOOR. PROVIDE FIRE ALARM RELAY. MAGNETIC LOCK SHALL FAIL SAFE. (CFOI)

WALL RATINGS LEGEND

WALL RATINGS

- 1 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION
- 2 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION
- 3 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION
- 4 HOUR SEPARATION ASSEMBLY OR FIRE PARTITION
- SMOKE SEPARATION ASSEMBLY

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GERALD J. VERSLUYS

JOB TITLE: Auburn Ave Research Library
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SHEET TITLE: THIRD FLOOR PLAN - INTRUSION DETECTION & PAGING

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REVISION FOR NOTES ON SHEETS S-102, S-103, S-104, S-105

FRAMING NOTES:

1. SEE SHEET S-001 AND S-002 FOR GENERAL NOTES.

2. S-500 SERIES FOR TYPICAL FRAMING DETAILS NOT REFERENCED ON PLAN.

3. SEE ARCHITECTURAL DRAWINGS FOR ALL EDGE-OF-SLAB DIMENSIONS, SLAB OPENINGS, AND NON LOAD-BEARING CMU WALL LOCATIONS.

4. ATTACH ROOF DECK PER DETAIL S-501.

5. SEE DETAILS 4 AND 5/S-402 FOR TOP BRACING OF NON LOAD-BEARING MASONRY WALLS.

6. SEE S-401 AND S-402 FOR TYPICAL MASONRY WALL DETAILS NOT CALLED OUT ON PLAN.

7. STEEL BEAM LEGEND: W##x## (##), C=#, R=## kips
   - A. (##) INDICATES THE NUMBER OF 3/4" DIA. HEADED STUDS. WHERE NONE ARE SHOWN ON PLAN, PROVIDE 1 STUD PER FOOT LENGTH OF COMPOSITE BEAM (U.N.O.).
   - B. C=# INDICATES UPWARD BEAM CAMBER (INCHES).
   - C. R=# k INDICATES FACTORED BEAM REACTION (IN KIPS), IF NO REACTION IS SHOWN ON PLAN:
     - i. FOR W8 BEAMS, PROVIDE CONNECTION FOR 10 kips.
     - ii. FOR W12 BEAMS, PROVIDE CONNECTION FOR 25 kips.
     - iii. FOR W14 AND LARGER BEAMS, PROVIDE CONNECTIONS BASED ON 1/2 OF THE MAXIMUM FACTORED UNIFORM LOADS TABULATED IN THE MANUAL OF STEEL CONSTRUCTION
   - D. RV=# k INDICATES FACTORED BEAM REACTION (IN KIPS) AT EXISTING BEAM. STRENGTHEN EXISTING CONNECTIONS AT EACH END PER DETAIL 8/S-503

8. BEAMS ARE EQUALLY SPACED WITHIN FRAMING BAYS, WITH MAXIMUM SPACING NOT TO EXCEED 10'-0" AT FLOORS AND AT ROOF.

9. INDICATES MOMENT CONNECTION.

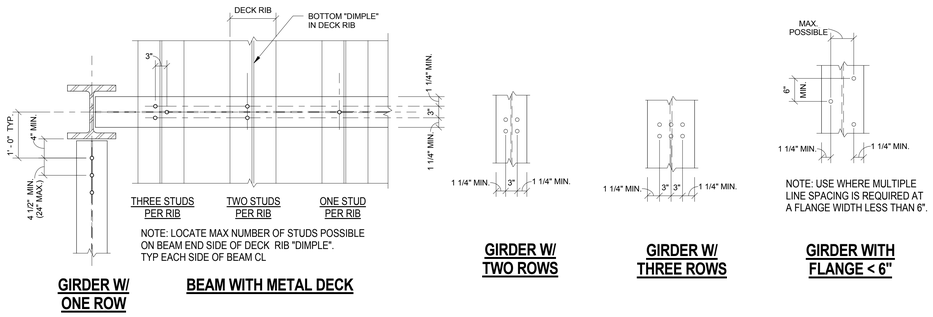
10. INDICATES CONTINUOUS BEAM RUNNING OVER A COLUMN.

11. TOP OF STEEL ELEVATIONS ARE RELATIVE TO THE FIRST FLOOR FINISHED SLAB ELEVATION.

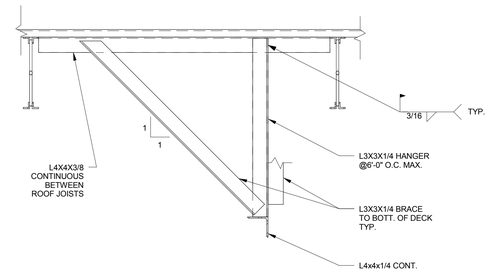
12. BEAMS ARE OFFSET 6" FROM EDGE OF SLAB (U.N.O.).

NOTES:

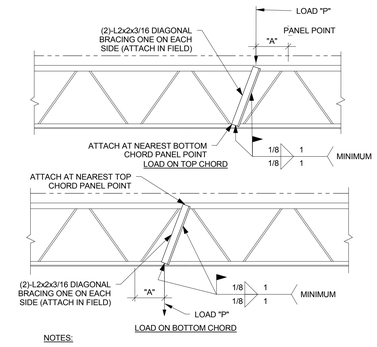
1. ALL STUDS ARE 3/4" ⌀ UNLESS NOTED OTHERWISE. NUMBER OF STUDS IS INDICATED ON FRAMING PLAN.
2. SHEAR CONNECTORS IN ONE ROW SHALL BE PLACED DIRECTLY OVER THE BEAM WEB.
3. PLACE STUDS IN A SINGLE ROW WHERE SPACING REQUIREMENTS PERMIT. STUDS SHALL BE PLACED IN TWO ROWS OR THREE ROWS ONLY WHERE REQUIRED IN ORDER TO PLACE THE TOTAL NUMBER OF STUDS.
4. PROVIDE MINIMUM 1 1/2" SPACING FROM EDGE OF FLANGE TO CENTERLINE OF STUD.
5. NUMBER OF STUDS PERMITTED PER INDIVIDUAL METAL DECK RIB IS 3 MAX.
6. STUD PLACEMENT PROCEDURE FOR DECK PERPENDICULAR TO SUPPORT: PLACE A STUD IN ALTERNATING FLUTES FOR ENTIRE LENGTH OF BEAM. PLACE REMAINING STUDS IN FLUTES NOT ALREADY HAVING A STUD, STARTING NEAR END OF BEAM AND CONTINUING TO BEAM CENTER, EQUALLY DISTRIBUTED FROM EACH END. IF STUDS REMAIN, PLACE A SECOND STUD IN EACH FLUTE, EQUALLY PLACED FROM EACH END TOWARD CENTER OF BEAM. iF STUDS REMAIN, PLACE A THIRD STUD IN EACH FLUTE, EQUALLY SPACED FROM EACH END TOWARD CENTER OF BEAM.
7. SUBMIT SHOP DRAWINGS SHOWING PLACEMENT OF SHEAR CONNECTORS PER SPEC.
8. SINGLE ROWS OF STUDS TO BE PLACED OVER BEAM CENTERLINE.



4 S-503 TYPICAL SHEAR STUD SPACING DETAIL
3/4" = 1'-0"



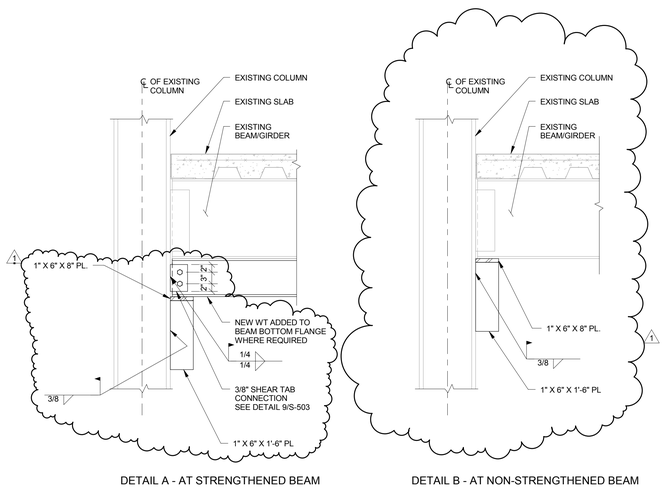
2 S-503 TYPICAL TOILET PARTITION SUPPORT DETAIL
1" = 1'-0"



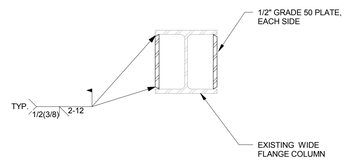
NOTES:

1. DIAGONAL BRACE IS NOT REQUIRED FOR "A" LESS THAN THREE INCHES.
2. PROVIDE DIAGONAL BRACE AT POINT OF CONCENTRATED LOADS SUCH AS PARTITIONS, HEAVY PIPES, MECHANICAL UNITS, HEAVY LIGHTS AND ANY OTHER CONCENTRATED LOADS AS DIRECTED BY ENGINEER.
3. P = CONCENTRATED LOAD.

1 S-503 STIFFENING OF STEEL JOIST FOR CONCENTRATED LOADS
3/4" = 1'-0"



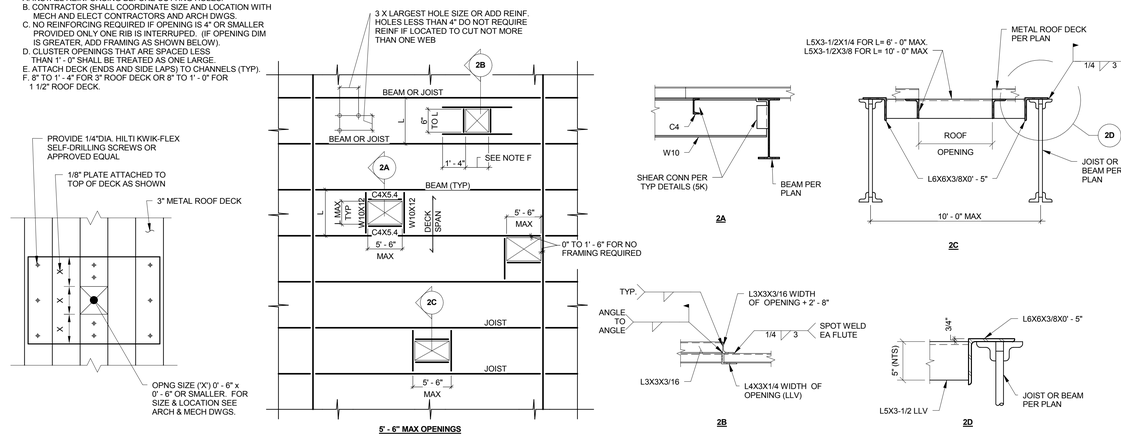
8 S-503 DETAIL AT CONNECTION STRENGTHENING
3/4" = 1'-0"



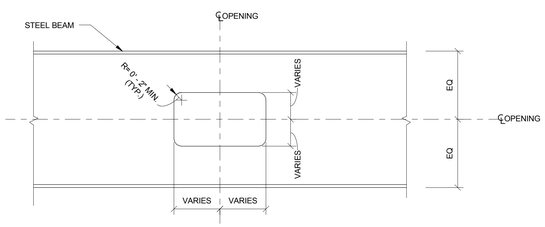
7 S-503 EXISTING WIDE FLANGE COLUMN STRENGTHENING
1 1/2" = 1'-0"

NOTES:

A. INSTALL REINFORCING BEFORE CUTTING HOLES.
B. CONTRACTOR SHALL COORDINATE SIZE AND LOCATION WITH MECH AND ELECT CONTRACTORS AND ARCH DWGS.
C. NO REINFORCING REQUIRED IF OPENING IS 4" OR SMALLER PROVIDED ONLY ONE RIB IS INTERRUPED. (IF OPENING DIM IS GREATER, ADD FRAMING AS SHOWN BELOW).
D. CLUSTER OPENINGS THAT ARE SPACED LESS THAN 1' - 0" SHALL BE TREATED AS ONE LARGE.
E. ATTACH DECK (ENDS AND SIDE LAPS) TO CHANNELS (TYP).
F. 8" TO 1' - 4" FOR 3" ROOF DECK OR 8" TO 1' - 0" FOR 1 1/2" ROOF DECK.



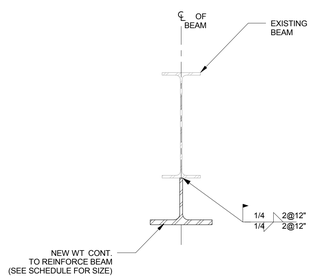
6 S-503 TYPICAL ROOF DECK OPENING DETAIL
3/4" = 1'-0"



OPENING MARK	BEAM SIZE	HEIGHT (IN)	WIDTH (IN)	STIFFENER DIM. (IN)			WELD (IN)	HORIZONTAL DISTANCE FROM SPAN END TO OPENING CENTER (FT)
				WIDTH	THICKNESS	LENGTH		
1	W24X146	12	26	1.25	0.25	39	1/4	12 FROM GRID D
2	W24X131 & W24X84	12	12	1	0.25	18	1/4	3.75 FROM GRID F

COORDINATE ALL BEAM OPENINGS DIMENSIONS AND LOCATIONS WITH MECH. DRAWINGS.

10 S-503 DETAIL AT BEAM WEB OPENING
3/4" = 1'-0"



BEAM REINFORCING SCHEDULE

EXISTING BEAM SIZE	SIZE OF REINFORCING WT	SHEAR PLATE CONNECTION
W16	WT8X18	(2)-3/4" A325-N BOLTS
W18	WT12X34	(2)-3/4" A325-N BOLTS
W21	WT12X34	(2)-3/4" A325-N BOLTS
W24	WT12X73	(3)-3/4" A325-N BOLTS
W27	WT13.5X57	(3)-3/4" A325-N BOLTS
W30	WT15X62	(3)-3/4" A325-N BOLTS

NOTE:
1. PROVIDE CONNECTION STRENGTHENING AT ENDS OF ALL NEW WT SECTIONS.
2. EXISTING UTILITIES INTERRUPTING NEW WT SECTIONS SHALL BE REMOVED AS REQUIRED.

9 S-503 BEAM STRENGTHENING DETAIL
1 1/2" = 1'-0"

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1	ADDENDUM #1	08/17/2011

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SHEET NAME: TYPICAL STEEL FRAMING DETAILS

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DATE: 29 AUGUST 2014
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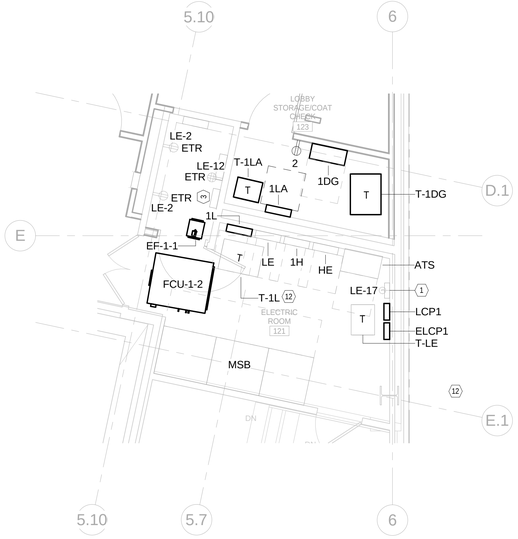
SHEET NUMBER
S-503

GENERAL NOTES: (APPLY TO THIS DRAWING ONLY)

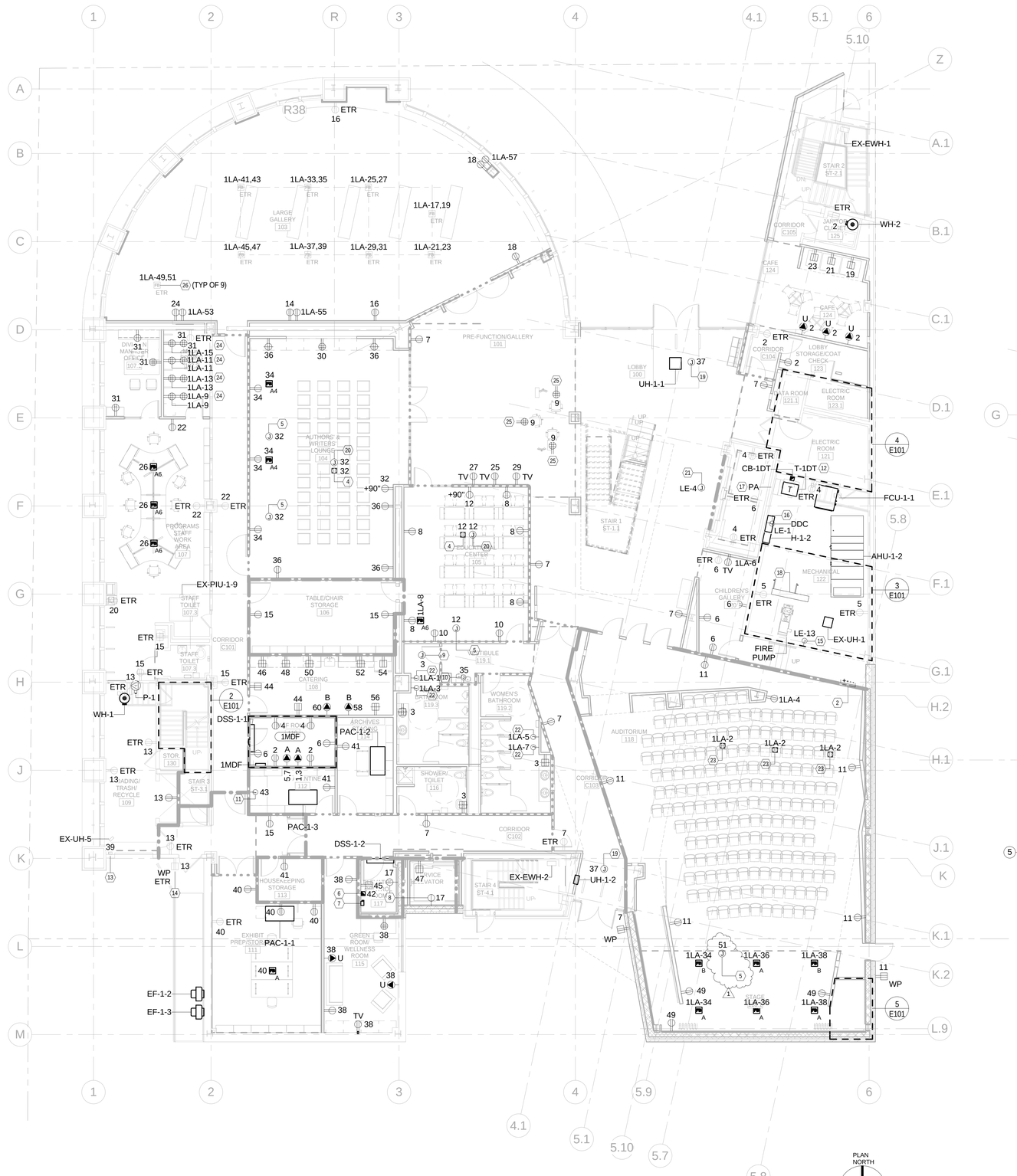
1. SEE DRAWING E510 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
2. ALL CIRCUITS SHALL BE FED FROM PANEL 1L UNLESS OTHERWISE NOTED.

KEYED NOTES: (APPLY TO THIS DRAWING ONLY)

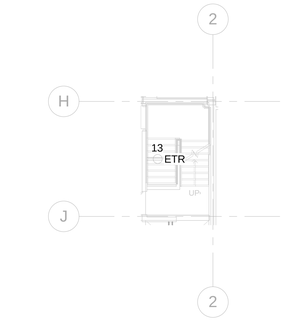
1. EXISTING REMOTE GENERATOR ANNUNCIATOR AND LEAK MONITORING PANEL TO REMAIN. EXTEND 1.25" CONDUIT FROM REMOTE ANNUNCIATOR AND LEAK MONITORING PANEL TO RELOCATED EMERGENCY GENERATOR AND NEW DAY TANK LOCATION AND RECONNECT. SEE DRAWING E010 FOR ADDITIONAL INFORMATION.
2. STUB UP LOCATION FOR EMERGENCY GENERATOR CONDUITS. SEE DRAWING E010 FOR ADDITIONAL INFORMATION.
3. EXISTING FACP TO REMAIN.
4. RECEPTACLE MOUNTED FLUSH WITHIN CEILING TILE AND SECURED TO CEILING GRID. COORDINATE WITH LOCATION OF AV PROJECTOR. PROVIDE SUFFICIENT SLACK IN FLEXIBLE CONDUIT SO THAT OUTLET BOX CAN BE SHIFTED ONE CEILING TILE IN ANY DIRECTION.
5. MAKE FINAL CONNECTION TO POWERED PROJECTION SCREEN PER MANUFACTURER'S REQUIPMENTS. SEE AV DRAWINGS FOR LOCATION OF CONTROL SWITCH.
6. 120V, 20A, 1-POLE INDIVIDUALLY MOUNTED CIRCUIT BREAKER FOR ELEVATOR LIGHTING CONTROL WITH PROVISIONS TO LOCK CIRCUIT BREAKER IN THE OPEN POSITION.
7. 100/3/F* DISCONNECT SWITCH TO SERVE ELEVATOR EQUIPMENT. COORDINATE FUSE SIZE WITH MANUFACTURER'S REQUIREMENTS. SEE PANEL SCHEDULE FOR WIRE AND CONDUIT SIZE.
8. RECEPTACLE FOR ELEVATOR PIT SUMP PUMP AND ASSOCIATED ALARM PANEL.
9. MAKE FINAL CONNECTION TO FLUSH VALVE AND FAUCET CONTROL POWER TRANSFORMER(S) PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL PROVIDE ADDITIONAL CONDUIT FROM TRANSFORMER(S) TO CONTROL DEVICE AS REQUIRED BY MANUFACTURER.
10. MAKE FINAL CONNECTION TO WATER COOLER PER MANUFACTURER'S REQUIREMENTS. LOCATE CONNECTION BEHIND SHROUD OF WATER COOLER OUT OF PLAIN VIEW.
11. MAKE FINAL CONNECTION TO FUME HOOD PER MANUFACTURER'S REQUIREMENTS.
12. SUSPEND TRANSFORMER FROM STRUCTURE, SEE DETAIL 8/E602 FOR ADDITIONAL INFORMATION.
13. EXISTING ROLL-UP DOOR TO REMAIN.
14. PROVIDE NEW WEATHER-PROOF COVER FOR EXISTING RECEPTACLE.
15. RELOCATED LIQUID LEVEL GAUGE. RECONNECT TO EXISTING CIRCUIT.
16. PROVIDE 1-120V CIRCUIT FOR DDC CONTROL PANEL AND HVAC CONTROL POWER.
17. RELOCATED PANEL'PA'. SEE DRAWING E401 FOR ADDITIONAL INFORMATION.
18. RELOCATED FIRE PUMP AUTOMATIC TRANSFER SWITCH. SEE DRAWING E401 FOR ADDITIONAL INFORMATION.
19. MAKE FINAL CONNECTION TO POWERED ADA DOOR CONTROLS. SEE COMMUNICATIONS DRAWINGS FOR ADDITIONAL CONDUIT REQUIREMENTS.
20. MAKE FINAL CONNECTION TO PROJECTOR LIFT PER MANUFACTURER'S REQUIREMENTS.
21. MAKE FINAL CONNECTION TO SMOKE CURTAIN PER MANUFACTURER'S REQUIREMENTS.
22. MAKE FINAL CONNECTION TO HAND DRYER PER MANUFACTURER'S REQUIREMENTS. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.
23. RECEPTACLE MOUNTED FLUSH WITH CEILING BELOW BALCONY. COORDINATE WITH LOCATION OF AV.
24. MOUNT ONE QUAD BELOW COUNTER AND ONE QUAD ABOVE COUNTER.
25. COORDINATE MOUNTING HEIGHT AND LOCATION OF AV RACK RECEPTACLES WITH AV DRAWINGS.
25. RECEPTACLES MOUNTED WITHIN MILLWORK. COORDINATE LOCATION WITH ARCHITECTURAL MILLWORK DRAWINGS.
26. PROVIDE NEW COVER FOR EXISTING FLOOR BOX FROM EXISTING MANUFACTURER. COORDINATE COVER TYPE WITH FLOORING TO BE USED IN SPACE.



4 ELECTRICAL POWER FIRST FLOOR ELECTRICAL ROOM PART PLAN
1/4" = 1'-0"

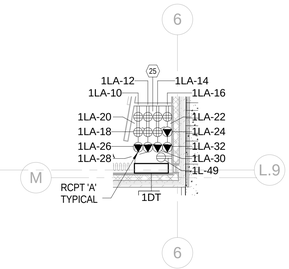


1 ELECTRICAL POWER FIRST FLOOR PLAN
1/8" = 1'-0"



2 ELECTRICAL POWER FIRST FLOOR PART PLAN
1/8" = 1'-0"

3 ELECTRICAL POWER MEZZANINE PART PLAN
1/8" = 1'-0"



5 ELECTRICAL POWER FIRST FLOOR DIMMING ROOM PART PLAN
1/8" = 1'-0"

PLAN NORTH

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SHEET NAME: ELECTRICAL POWER FIRST FLOOR PLAN

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SHEET NUMBER

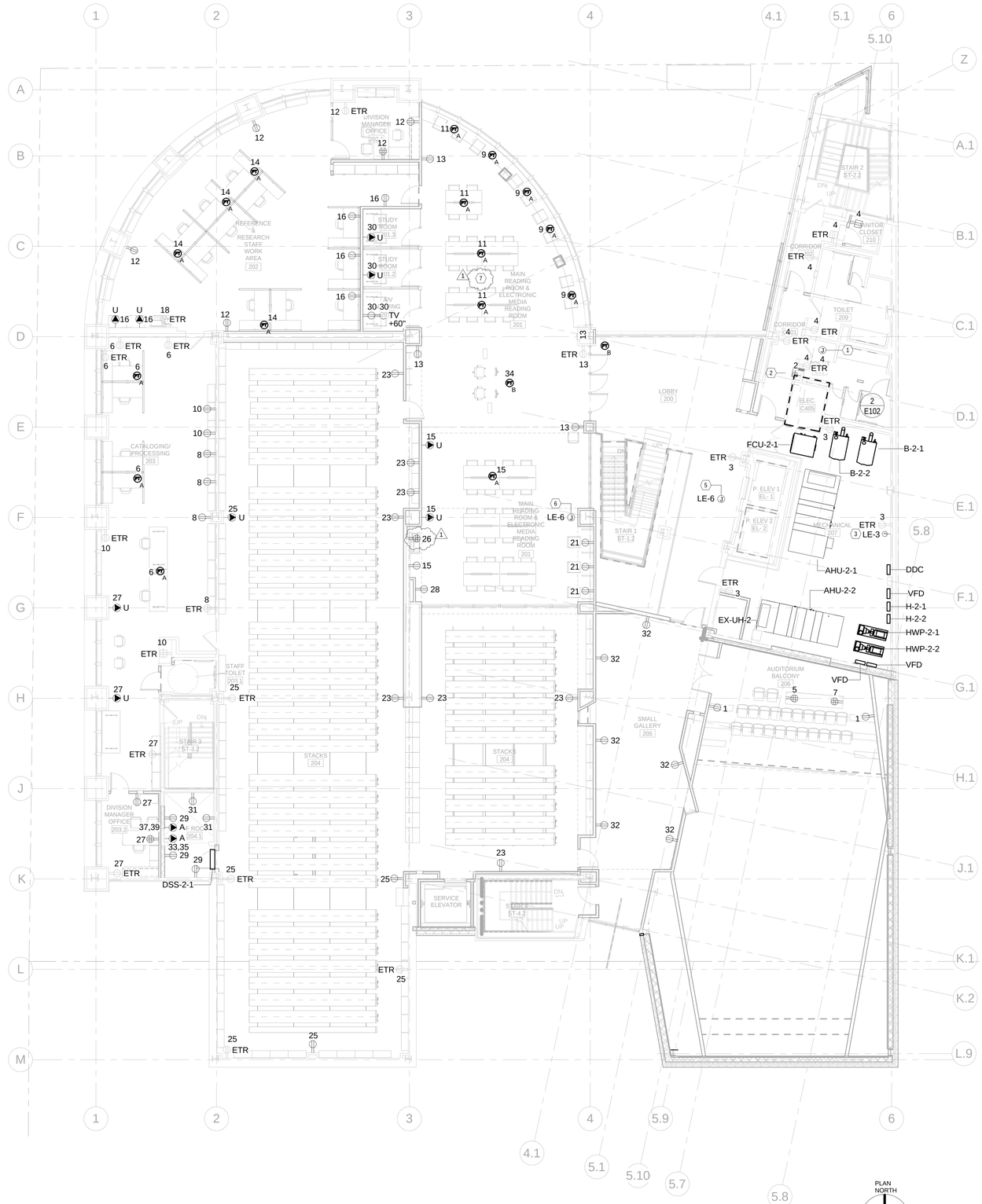
E101

GENERAL NOTES: (APPLY TO THIS DRAWING ONLY)

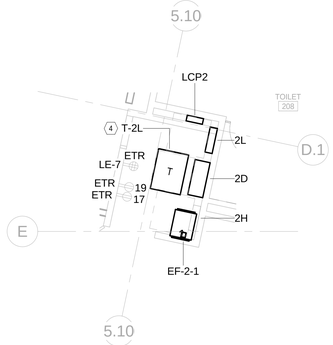
1. SEE DRAWING E510 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
2. ALL CIRCUITS SHALL BE FED FROM PANEL 2L UNLESS OTHERWISE NOTED.

KEYED NOTES: (APPLY TO THIS DRAWING ONLY)

1. MAKE FINAL CONNECTION TO FLUSH VALVE AND FAUCET CONTROL POWER TRANSFORMER(S) PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL PROVIDE ADDITIONAL CONDUIT FROM TRANSFORMER(S) TO CONTROL DEVICE AS REQUIRED BY MANUFACTURER.
2. CONNECT NEW WATER COOLER TO EXISTING CIRCUIT SERVING DEMOLISHED WATER COOLER. REPLACE EXISTING CIRCUIT BREAKER WITH GFIC TYPE CIRCUIT BREAKER.
3. PROVIDE 1-120V CIRCUIT FOR DDC CONTROL PANEL AND HVAC CONTROL POWER.
4. SUSPEND EXISTING TRANSFORMER FROM STRUCTURE, SEE ELECTRICAL ONE-LINE DRAWING E401 AND DETAIL 8/E602 FOR ADDITIONAL INFORMATION.
5. MAKE FINAL CONNECTION TO SMOKE CURTAIN PER MANUFACTURER'S REQUIREMENTS.
6. MAKE FINAL CONNECTION TO FIRE SHUTTER PER MANUFACTURER'S REQUIREMENTS.
7. REMOVE EXISTING JUNCTION BOX IN THIS GENERAL LOCATION AND CUT CONDUITS FLUSH WITH FLOOR AND FILL.



1 ELECTRICAL POWER SECOND FLOOR PLAN
1/8" = 1'-0"



2 ELECTRICAL POWER SECOND FLOOR PART PLAN
1/4" = 1'-0"

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SHEET NUMBER

E102

EXISTING SWITCHBOARD "MSB" SCHEDULE

VOLTAGE: 480/277 Wye
PHASE: 3
WIRE: 4

AIC: 100,000
BUS: 2500
MAIN: 1600AT/2500AF
LOCATION: ELECTRIC ROOM 121

CKT	TRIP	FRAME	POLES	EQUIPMENT SERVED	LOAD	FEEDER MARK	NOTES
1	90	100	3	SERVICE ELEVATOR	43.8	3#4 AND 1#8 G - 1.25" C	1
2	70	100	3	DIMMING PANEL 1DG VIA T-1DG	31.2	SEE DRAWING E510	
3	125	200	3	EX PANEL 1H	45.4	EXISTING TO REMAIN	
4	125	200	3	EX PANEL 3H	73.2	EXISTING TO REMAIN	
5	250	400	3	EX PANEL HE VIA ATS	115.1	EXISTING TO REMAIN	
6	300	400	3	EX PANEL 4H	95.7	EXISTING TO REMAIN	
7	300	400	3	EX PANEL 2H	162.6	EXISTING TO REMAIN	
8	350	400	3	EX FIRE PUMP ATS	45.0	EXISTING TO REMAIN	
9	600	600	3	EX PANEL PA	167.9	EXISTING TO REMAIN	
10	250	250	3	CH-R-1	187.9	SEE DRAWING E510	
11	250	250	3	CH-R-2	187.8	SEE DRAWING E510	
12	125	400	3	DIMMING PANEL 1DT VIA T-1DT	2.0	SEE DRAWING E510	
13	400	--	3	SPARE	0.0	--	--
14	50	100	3	PANEL 1LA VIA T-1LA	50.4	SEE DRAWING E510	
15	--	--	--	SPACE	0.0	--	--
16	--	--	--	SPACE	0.0	--	--
17	--	--	--	SPACE	0.0	--	--

CONNECTED AMPS: 1454.4 CONNECTED KVA: 1209.2
DEMAND AMPS: 1415.7 DEMAND KVA: 1177.0

NOTES:
1. PROVIDE SHUNT TRIP BREAKER.

EXISTING PANELBOARD "PA" SCHEDULE

VOLTAGE: 480/277 Wye
PHASE: 3
WIRE: 4

AIC: EXISTING
BUS: 600
MAIN: MLO
LOCATION: MECHANICAL 122

CKT	TRIP	FRAME	POLES	DESCRIPTION	LOAD	FEEDER MARK	NOTES
1	110	200	3	ERU-R-1	86.4	SEE DRAWING E510	
2	200	200	3	SPARE	0.0		
3	--	--	--	SPACE	0.0	--	--
4	30	30	3	AHU-1-2	9.1	SEE DRAWING E510	
5	25	30	3	HUMIDIFIER H-1-2	16.6	SEE DRAWING E510	
6	30	30	3	SPARE	0.0		
7	30	30	3	SPARE	0.0		
8	30	30	3	SPARE	0.0		
9	30	30	3	SPARE	0.0		
10	50	60	3	HUMIDIFIER H-1-1	33.2	SEE DRAWING E510	
11	50	60	3	AHU-1-1	22.4	SEE DRAWING E510	

CONNECTED AMPS: 201.9 CONNECTED KVA: 167.9
DEMAND AMPS: 227.9 DEMAND KVA: 189.5

NOTES:
1. NEW FUSIBLE SWITCHES INSTALLED WITHIN EXISTING PANEL SHALL BE BY EXISTING MANUFACTURER.

EXISTING PANELBOARD "HE" SCHEDULE

VOLTAGE: 480/277 Wye
PHASES: 3
WIRE: 4

AIC: 14,000
BUS: 400 A
MAIN: MLO

SECTION(S): 1
MOUNTING: SURFACE
LOCATION: ELECTRIC ROOM 121

DESCRIPTION	CB	WIRE	GND	COND	CKT	A		B		C		CKT	COND	GND	WIRE	CB	DESCRIPTION
PAC-4-1 (INDOOR)	30/1	(5)			1	5.9	0.0					2	--	--	--	--	SPARE
PAC-4-2 (INDOOR)	30/1	(5)			3			5.9	0.0			4	--	--	--	--	SPARE
SPARE	--	--	--	--	5					0.0	0.0	6	--	--	--	--	SPARE
SPARE	--	--	--	--	7	0.0	0.0					8	--	--	--	--	SPARE
SPARE	--	--	--	--	9			0.0	0.0			10	--	--	--	--	SPARE
SPARE	--	--	--	--	11					0.0	0.0	12	--	--	--	--	SPARE
SPARE	20/3				13	0.0	1.3					14			(3)	20/3	FP AIR COMPRESSOR
--	--	--	--	--	15			0.0	1.3			16	--	--	--	--	--
--	--	--	--	--	17					0.0	1.3	18	--	--	--	--	--
CWP-4-1	30/3	(5)			19	3.0	0.8					20			(5)	15/3	AHU-4-2
--	--	--	--	--	21			3.0	0.8			22	--	--	--	--	--
--	--	--	--	--	23					3.0	0.8	24	--	--	--	--	--
PANEL LE VIA T-LE	30/3	(3)			25	5.3	2.1					26			(5)	20/3	HPW-2-1
--	--	--	--	--	27			7.5	2.1			28	--	--	--	--	--
--	--	--	--	--	29					4.4	2.1	30	--	--	--	--	--
SPARE	60/3				31	0.0	0.0					32	--	--	--	--	SPACE
--	--	--	--	--	33			0.0	0.0			34	--	--	--	--	SPACE
--	--	--	--	--	35					0.0	0.0	36	--	--	--	--	SPACE
CENTRAL LIGHTING INVERTER 'INV'	25/3	(4)			37	3.1	17.9					38			(3)	125/3	ELEV 1-A & 1-B
--	--	--	--	--	39			4.2	17.9			40	--	--	--	--	--
--	--	--	--	--	41					3.2	17.9	42	--	--	--	--	--
PHASE TOTALS:						39.5		42.8		32.8							

CONNECTED AMPERES: 138.5 CONNECTED kVA: 115.1
DEMAND AMPERES: 142.3 DEMAND kVA: 118.3

NOTES:
1. ALL SPARE BREAKERS SHALL BE 20/1 UNLESS OTHERWISE NOTED.
2. NEW CIRCUIT BREAKERS INSTALLED WITHIN EXISTING PANEL SHALL BE BY EXISTING MANUFACTURER.
3. EXISTING FEEDER TO REMAIN.
4. SEE DRAWING E401 FOR FEEDER AND CONDUIT SIZE.
5. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E510 FOR FEEDER AND CONDUIT SIZE.

EXISTING PANELBOARD "LE" SCHEDULE

VOLTAGE: 120/208 Wye
PHASES: 3
WIRE: 4

AIC: 10,000
BUS: 100 A
MAIN: 100 A/3P MCB

SECTION(S): 1
MOUNTING: SURFACE
LOCATION: ELECTRIC ROOM 121

DESCRIPTION	CB	WIRE	GND	COND	CKT	A		B		C		CKT	COND	GND	WIRE	CB	DESCRIPTION
HVAC CONTROL POWER-1ST FL	20/1P	2#12	#12	0.5"	1	0.5	0.4					2			(3)	20/1P	1ST FL-EX RCPT
HVAC CONTROL POWER-2ND FL	20/1P	2#12	#12	0.5"	3			0.5	0.3			4	0.5"	#12	2#12	20/1P	1ST FL-SMOKE CURTAIN
HVAC CONTROL POWER-3RD FL	20/1P	2#12	#12	0.5"	5					0.5	0.5	6	0.5"	#12	2#12	20/1P	2ND FL-SMK CURTAIN,FIRE SHUTTER
EX RCPT-2ND FL	20/1P	(3)			7	0.5	0.5					8			(3)	20/1P	3RD FL-EX RCPT
EX RCPT-3RD FL	20/1P	(3)			9			0.5	1.2			10			(3)	20/1P	EX ELEV 1-A CONTROLS
EX RCPT-4TH FL	20/1P	(3)			11					0.5	0.4	12			(3)	20/1P	EX FA PANEL
EX LIQUID LEVEL GAUGE	20/1P	2#12	#12	0.5"	13	0.5	0.8					14	0.5"	#12	2#12	20/1P	3RD FL-SMK CURTAIN,FIRE SHUTTER
GENERATOR DAY TANK	30/1P	(4)			15			2.8	0.5			16	0.5"	#12	2#12	20/1P	3RD FL-FA POWER SUPPLY
EX FUEL OIL MONITOR	20/1P	(3)			17					0.2	0.5	18	0.5"	#12	2#12	20/1P	4TH FL COLD STORAGE-LTG,RCPT
SPARE	--	--	--	--	19	0.0	1.2					20			(3)	20/1P	ELEV 1-B CONTROLS
HVAC CONTROL POWER-4TH FL	20/1P	2#12	#12	0.5"	21			0.5	0.3			22	0.5"	#12	2#12	20/1P	4TH FL-SMOKE CURTAIN
SPARE	--	--	--	--	23					0.0	0.9	24			(4)	15/2P	PAC-4-1 (OUTDOOR)
SPARE	20/3P				25	0.0	0.9					26	--	--	--	--	--
--	--	--	--	--	27			0.0	0.9			28			(4)	15/2P	PAC-4-2 (OUTDOOR)
--	--	--	--	--	29					0.0	0.9	30	--	--	--	--	--
PHASE TOTALS:						5.3		7.5		4.4							

CONNECTED AMPERES: 47.6 CONNECTED kVA: 17.2
DEMAND AMPERES: 48.0 DEMAND kVA: 17.3

NOTES:
1. ALL SPARE BREAKERS SHALL BE 20/1 UNLESS OTHERWISE NOTED.
2. NEW CIRCUIT BREAKERS INSTALLED WITHIN EXISTING PANEL SHALL BE BY EXISTING MANUFACTURER.
3. EXISTING FEEDER TO REMAIN.
4. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E510 FOR FEEDER AND CONDUIT SIZE.

CENTRAL INVERTER SYSTEM

DESIGNATION	CAPACITY	PHASE	INPUT VOLTAGE	OUTPUT VOLTAGE	CKT	DESCRIPTION	CB	WIRE	GND	COND	A	B	C	BREAKER SETTING (NOTE 3)	NOTES
INV	16.0	3	480Y/277	480Y/277	1	LTG-1ST FL	20/1	2#10	#10	0.75"	2.1			ON	
					2	LTG-2ND FL	20/1	2#10	#10	0.75"		2.2		ON	
					3	LTG-3RD FL	20/1	2#10	#10	0.75"			2.3	ON	
					4	LTG-4TH FL	20/1	2#10	#10	0.75"	1.1			ON	
					5	LTG-STAIRS	20/1	2#10	#10	0.75"		2.0		ON	
					6	(ELCP1-1) LTG-SITE	20/1	2#10	#10	0.75"			0.9	ON	5
					7	SPARE	20/1				0.0				
					8	SPARE	20/1					0.0			
										PHASE TOTALS:	3.1	4.2	3.2		
										CONNECTED KVA:		10.5			
										CONNECTED AMPS:		12.7			

NOTES:
1. UL 924 RATED WITH 90 MINUTE BATTERY BACKUP.
2. PROVIDE TRIP ALARM FOR ALL OUTPUT BREAKERS.
3. BREAKER SETTING: NORMALLY ON OR OFF. BREAKERS NORMALLY OFF ENERGIZE ONLY DURING LOSS OF POWER.
4. LOCATION: MECHANICAL 307
5. CIRCUIT CONTROLLED BY LIGHTING CONTROL PANEL ELCP1.

EXISTING PANELBOARD "1H" SCHEDULE

VOLTAGE: 480/277 Wye
PHASES: 3
WIRE: 4

AIC: 14,000
BUS: 225 A
MAIN: MLO

SECTION(S): 1
MOUNTING: SURFACE
LOCATION: ELECTRIC ROOM 121

DESCRIPTION	CB	WIRE	GND	COND	CKT	A		B		C		CKT	COND	GND	WIRE	CB	DESCRIPTION
LTG-MECH,JANITOR	20/1	2#12	#12	0.5"	1	0.5	0.0					2	--	--	--	--	SPARE
SPARE	--	--	--	--	3			0.0	0.0			4	--	--	--	--	SPARE
(LCP1-3) LTG-LOBBY,TOILETS,CAFE	20/1	2#12	#12	0.5"	5					2.7	0.8	6	0.5"	#12	2#12	20/1	LOUNGE,ED CENTER-LTG (LCP1-4)
(LCP1-2) LTG-EXTERIOR POLES	20/1	2#10	#10	1"	7	2.8	0.7					8	0.5"	#12	2#12	20/1	CORR,STOR,QUARAN-LTG (LCP1-6)
(LCP1-1) LTG-EXTERIOR	20/1	2#10	#10	1"	9			0.4	1.2			10	0.5"	#12	2#12	20/1	STAFF WORK AREA-LTG (LCP1-5)
(LCP1-7) LTG-GREEN RM,EXHIB PREP	20/1	2#12	#12	0.5"	11					0.3	0.0	12	--	--	--	--	SPARE
PAC-1-1 (INDOOR)	30/1	(3)			13	5.9	0.8					14			(3)	20/1	TU-1-11,TU-1-17,TU-1-18,EX-PIU-1-9
FCU-1-1	15/1	(3)			15			0.5	4.5			16			(3)	20/1	WH-1
FCU-1-2	15/1	(3)			17					1.0	3.0	18			(3)	20/1	WH-2
EX-EWH-1	20/1	(5)			19	4.0	0.0					20				20/3	SPARE
EX-EWH-2	20/1	(5)			21			4.0	0.0			22	--	--	--	--	--
PAC-1-2 (INDOOR)	30/1	(3)			23					5.9	0.0	24	--	--	--	--	--
PAC-1-3 (INDOOR)	30/1	(3)			25	5.9	0.0					26				20/2	SPARE
EF-1-3	15/3	(3)			27			0.3	0.0			28	--	--	--	--	--
--	--	--	--	--	29					0.3	0.0	30	--	--	--	--	SPACE
--	--	--	--	--	31	0.3	0.0					32	--	--	--	--	SPACE
SPACE	--	--	--	--	33			0.0	0.0			34	--	--	--	--	SPACE
SPACE	--	--	--	--	35					0.0	0.0	36	--	--	--	--	SPACE
SPACE	--	--	--	--	37	0.0	0.0					38	--	--	--	--	SPACE
SPACE	--	--	--	--	39			0.0	0.0			40	--	--	--	--	SPACE
SPACE	--	--	--	--	41					0.0	0.0	42	--	--	--	--	SPACE
PHASE TOTALS:						20.9		10.9		14.0							

CONNECTED AMPERES: 56.1 CONNECTED kVA: 46.7
DEMAND AMPERES: 57.1 DEMAND kVA: 47.5

NOTES:
1. ALL SPARE BREAKERS SHALL BE 20/1 UNLESS OTHERWISE NOTED.
2. NEW CIRCUIT BREAKERS INSTALLED WITHIN EXISTING PANEL SHALL BE BY EXISTING MANUFACTURER.
3. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E510 FOR FEEDER AND CONDUIT SIZE.
4. REPAIR/REPLACE EXISTING DAMAGED PANELBOARD DOOR.
5. EXISTING FEEDER TO REMAIN.

PANELBOARD "1L" SCHEDULE

VOLTAGE: 120/208 Wye
PHASES: 3
WIRE: 4

AIC: 10,000
BUS: 225 A
MAIN: 175 A/3P MCB

SECTION(S): 1
MOUNTING: SURFACE
LOCATION: ELECTRIC ROOM 121

DESCRIPTION	CB	WIRE	GND	COND	CKT	A		B		C		CKT	COND	GND	WIRE	CB	DESCRIPTION
LTG CONTROLS-LOBBY,LOUNGE,ED	20/1	2#12	#12	0.5"	1	1.5	1.3					2	0.5"	#12	2#12	20/1	CAFE,COAT,CORR,JANITOR-RCPT
RCPT-TOILETS,FAUCET XFMR	20/1	2#12	#12	0.5"	3			1.0	0.6			4			(4)	20/1	EX ELEV #1-PIT
RCPT-MECHANICAL RM	20/1	2#12	#12	0.5"	5					0.9	0.6	6			(4)	20/1	EX ELEV #1-SUMP PUMP
RCPT-LOBBY,CORR,EXT	20/1	2#12	#12	0.5"	7	1.4	0.9					8	0.5"	#12	2#12	20/1	EDUCATION CENTER-RCPT
RCPT-LOBBY DESK	20/1	2#12	#12	0.5"	9			1.1	0.4			10	0.5"	#12	2#12	20/1	EDUCATION CENTER-RCPT
RCPT-AUDITORIUM,EXT,ART PED	20/1	2#12	#12	0.5"	11					1.1	1.1	12	0.5"	#12	2#12	20/1	EDUCATION CENTER-SCREEN,PROJ
RCPT-LOADING DOCK,EX-UH-5	20/1	2#12	#12	0.5"	13	1.6	1.2					14	0.5"	#12	2#12	20/1	LARGE GALLERY-RCPT,FB
RCPT-PROG STAFF,CORR,STOR	20/1	2#12	#12	0.5"	15			1.1	0.4			16	0.5"	#12	2#12	20/1	LARGE GALLERY-RCPT,FB
SERV ELEVATOR-SUMP PUMP	20/1	2#12	#12	0.5"	17					1.4	1.4	18	0.5"	#12	2#12	20/1	LARGE GALLERY-RCPT,FB
VENDING MACHINE	20/1	2#12	#12	0.5"	19	1.2	1.0					20	0.5"	#12	2#12	20/1	PROG STAFF-COPIER
VENDING MACHINE	20/1	2#12	#12	0.5"	21			1.2	0.5			22	0.5"	#12	2#12	20/1	PROG STAFF,CORR-RCPT
VENDING MACHINE	20/1	2#12	#12	0.5"	23					1.2	1.2	24	0.5"	#12	2#12	20/1	LARGE GALLERY-RCPT,FB
RCPT-LOBBY MONITOR	20/1	2#12	#12	0.5"	25	0.2	1.1					26	0.5"	#12	2#12	20/1	PROGRAMS STAFF-FB
RCPT-LOBBY MONITOR	20/1	2#12	#12	0.5"	27			0.2	0.0			28	--	--	--	--	SPARE
RCPT-LOBBY MONITOR	20/1	2#12	#12	0.5"	29					0.2	0.4	30	0.5"	#12	2#12	20/1	WRITER'S LOUNGE-RCPT
RCPT-DIV MANAGER,MEDIA EDIT	20/1	2#12	#12	0.5"	31	1.1	0.8					32	0.5"	#12	2#12	20/1	SCREEN,PROJECTOR,LIFT
SPARE	--	--	--	--	33			0.0	1.3			34	0.5"	#12	2#12	20/1	WRITER'S LOUNGE-RCPT,FB
WATER COOLER *	20/1	2#12	#12	0.5"	35					0.2	0.9	36	0.5"	#12	2#12	20/1	WRITER'S LOUNGE-RCPT
POWERED ADA DOORS	20/1	2#12	#12	0.5"	37	1.0	1.1					38	0.5"	#12	2#12	20/1	GREEN ROOM-RCPT
LOADING DOCK-ROLL-UP DOOR	20/1	(4)			39			0.0	1.4			40	0.5"	#12	2#12	20/1	EXHIBIT PREP/STOR-RCPT,FB
RCPT-QUARANTINE,ARCH STAGING	20/1	2#12	#12	0.5"	41					0.5	1.0	42	0.5"	#12	2#12	20/1	SERVICE ELEVATOR CONTROLS
FUME HOOD-QUARANTINE	20/1	2#12	#12	0.5"	43	1.0	0.4					44	0.5"	#12	2#12	20/1	CATERING-RCPT
SERV ELEV-MACHINE ROOM	20/1	2#12	#12	0.5"	45			0.2	0.2			46	0.5"	#12	2#12	20/1	CATERING-RCPT
SERV ELEV-PIT	20/1	2#12	#12	0.5"	47					0.3	0.2	48	0.5"	#12	2#12	20/1	CATERING-RCPT
RCPT-STAGE	20/1	2#12	#12	0.5"	49	0.7	1.0					50	0.5"	#12	2#12	20/1	CATERING-MICROWAVE
SCREEN-STAGE	20/1	2#12	#12	0.5"	51			0.5	0.2			52	0.5"	#12	2#12	20/1	CATERING-RCPT
SPARE	--	--	--	--	53					0.0	0.2	54	0.5"	#12	2#12	20/1	CATERING-REFRIGERATOR
SPARE	--	--	--	--	55	0.0	0.2					56	0.5"	#12	2#12	20/1	CATERING-RCPT
SPARE	--	--	--	--	57			0.0	2.1			58	0.75"	#10	2#10	30/1	CATERING-WARMING CART
SPARE	--	--	--	--	59					0.0	2.1	60	0.75"	#10	2#10	30/1	CATERING-WARMING CART
SPARE	--	--	--	--	61	0.0	0.0					62	--	--	--	--	SPARE
SPARE	--	--	--	--	63			0.0	0.0			64	--	--	--	--	SPARE
SPARE	--	--	--	--	65					0.0	0.0	66	--	--	--	--	SPARE
SPARE	--	--	--	--	67	0.0	0.0					68	--	--	--	--	SPARE
SPARE	--	--	--	--	69			0.0	0.0			70	--	--	--	--	SPARE
SPARE	--	--	--	--	71					0.0	0.1	72			(3)	15/1	WH-1 CP-1
SPARE	--	--	--	--	73	0.0	1.2					74			(3)	20/1	EF-1-1,EF-1-2
GENERATOR BATTERY CHARGER	20/1	2#12	#12	1.25"	75			0.5	2.4			76			(3)	20/1	PAC & DSS-1-2 CONDENSATE PUMPS
GENERATOR JACKET WATER...	30/1	2#10	#10	1.25"	77					2.5	2.5	78			(3)	30/2	UH-1-1
PANEL 1MDF	60/3	(6)			79	2.0	2.5					80	--	--	--	--	--
--	--	--	--	--	81			0.9	2.5			82			(3)	30/2	UH-1-2
--	--	--	--	--	83					0.9	2.5	84	--	--	--	--	--
PAHSE TOTALS:						24.2		18.6		23.1							

1 (revision mark)

CONNECTED AMPERES: 183 CONNECTED KVA: 65.96
DEMAND AMPERES: 148 DEMAND kVA: 53.21

NOTES:
1. PROVIDE FULLY RATED BREAKER AIC AND BUS BRACING RMS SYMMETRICAL.
2. ALL SPARE BREAKERS SHALL BE 20/1 UNLESS OTHERWISE NOTED.
3. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E510 FOR FEEDER AND CONDUIT SIZE.
4. RECONNECT EXISTING FEEDER TO NEW CIRCUIT BREAKER.
5. * - INDICATES CIRCUIT BREAKER SHALL BE GROUND-FAULT CIRCUIT INTERRUPTING TYPE.
6. SEE ELECTRICAL POWER ONE-LINE DIAGRAM ON DRAWING E401 FOR FEEDER AND CONDUIT SIZE.
7. RECONNECT EXISTING SURGE PROTECTION DEVICE PER MANUFACTURER'S REQUIREMENTS.
8. SEE SITE PLAN ON DRAWING E010 FOR GENERATOR JACKET WATER HEATER AND BATTERY CHARGER CONDUIT REQUIREMENTS.

PANELBOARD "1MDF" SCHEDULE

VOLTAGE: 120/208 Wye
PHASES: 3
WIRE: 4

AIC: 10,000
BUS: 100 A
MAIN: 60 A/3P MCB

SECTION(S): 1
MOUNTING: SURFACE
LOCATION: MDF ROOM 110

DESCRIPTION	CB	WIRE	GND	COND	CKT	A		B		C		CKT	COND	GND	WIRE	CB	DESCRIPTION
RCPT (L6-20R)	20/2P	2#12	#12	0.5"	1	0.5	0.4					2	0.5"	#12	2#12	20/1P	SOUTH WALL-RCPT
--	--	--	--	--	3			0.5	0.4			4	0.5"	#12	2#12	20/1P	NORTH WALL-RCPT
RCPT (L6-20R)	20/2P	2#12	#12	0.5"	5					0.5	0.4	6	0.5"	#12	2#12	20/1P	EAST & WEST WALLS-RCPT
--	--	--	--	--	7	0.5	0.6					8			(3)	20/1P	DSS-1-1 CONDENSATE PUMP
SPARE	--	--	--	--	9			0.0	0.0			10	--	--	--	--	SPARE
SPARE	--	--	--	--	11					0.0	0.0	12	--	--	--	--	SPARE
SPARE	--	--	--	--	13	0.0	0.0					14	--	--	--	--	SPARE
SPARE	--	--	--	--	15			0.0	0.0			16	--	--	--	--	SPARE
SPARE	--	--	--	--	17					0.0	0.0	18	--	--	--	--	SPARE
SPARE	--	--	--	--	19	0.0	0.0					20	--	--	--	--	SPARE
SPARE	--	--	--	--	21			0.0	0.0			22	--	--	--	--	SPARE
SPARE	--	--	--	--	23					0.0	0.0	24	--	--	--	--	SPARE
SPACE	--	--	--	--	25	0.0	0.0					26	--	--	--	--	SPACE
SPACE	--	--	--	--	27			0.0	0.0			28	--	--	--	--	SPACE
SPACE	--	--	--	--	29					0.0	0.0	30	--	--	--	--	SPACE
PHASE TOTALS:						2.0		0.9		0.9							

CONNECTED AMPERES: 10.2 CONNECTED kVA: 3.7
DEMAND AMPERES: 10.9 DEMAND kVA: 3.9

NOTES:
1. PROVIDE FULLY RATED BREAKER AIC AND BUS BRACING RMS SYMMETRICAL.
2. ALL SPARE BREAKERS SHALL BE 20/1 UNLESS OTHERWISE NOTED.
3. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E510 FOR FEEDER AND CONDUIT SIZE.

LEGEND		
MSB	PA	---
HE	LE	INV
1H	1L	1MDF

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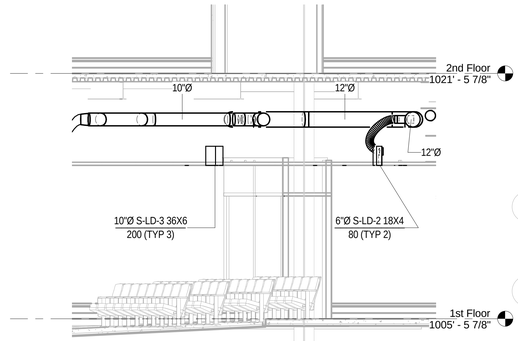
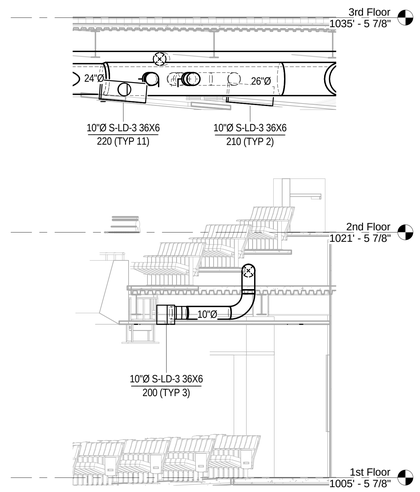
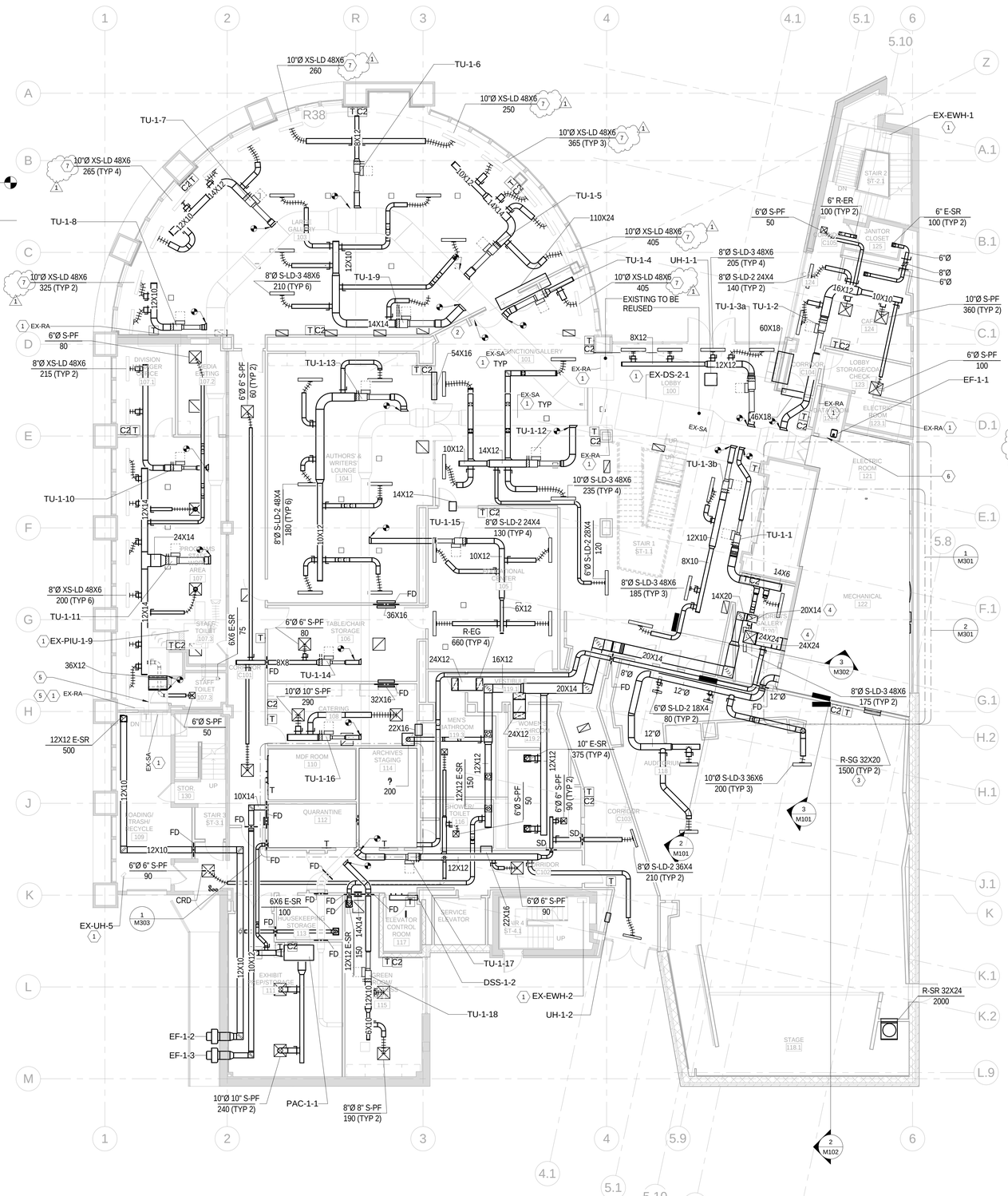


2 SECTION AUDITORIUM 1ST FLOOR
1/4" = 1'-0"



3 SECTION AUDITORIUM UPPER SEATING N-S
1/4" = 1'-0"



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

GENERAL NOTES:

1. CONTRACTOR SHALL REPLACE AND/OR REPAIR ANY EXISTING CONDITIONS TO OPERATIONAL STATUS, AS REQUIRED.
2. PROVIDE ACCESS PANEL TO ALL EXISTING AND NEW EQUIPMENT, DAMPERS, ETC.
3. PROVIDE SMOKE DETECTOR WITHIN FIVE FT OF SMOKE DAMPER.

KEY NOTES:

1. EXISTING TO REMAIN.
2. NEW DAMPER MOUNTED IN EXISTING DUCTWORK. CONTRACTOR TO FIELD VERIFY SIZE PRIOR TO ORDERING.
3. SIDEWALL RETURN GRILLE WITH FIRE DAMPER
4. PROVIDE FIRE/SMOKE DAMPER AT RATED PENETARTION. REUSE EXISTING OPENING IN SLAB TO ROUTE NEW EXHAUST AND OUTDOOR AIR DUCTS THROUGH. CONTRACTOR TO PROTECT OPENING AND PENETRATIONS PER IMC, UL LISTING AND AHJ.
5. DROP EXISTING DUCTWORK BELOW NEW BEAM.
6. CONTRACTOR TO PROVIDE PLENUM RATED DOOR TO TELECOMM CLOSET.
7. PROVIDE ADD ALTERNATE FOR EXISTING SLOT DIFFUSER. PROVIDE NEW LINEAR SLOT DIFFUSERS: 3 SLOT-1" WIDE OPENING, 48" LONG

ADD ALTERNATE #10: REPLACE EXISTING SLOT DIFFSUERS WITH LINEAR SLOT DIFFUSERS, PER KEYNOTE 7.

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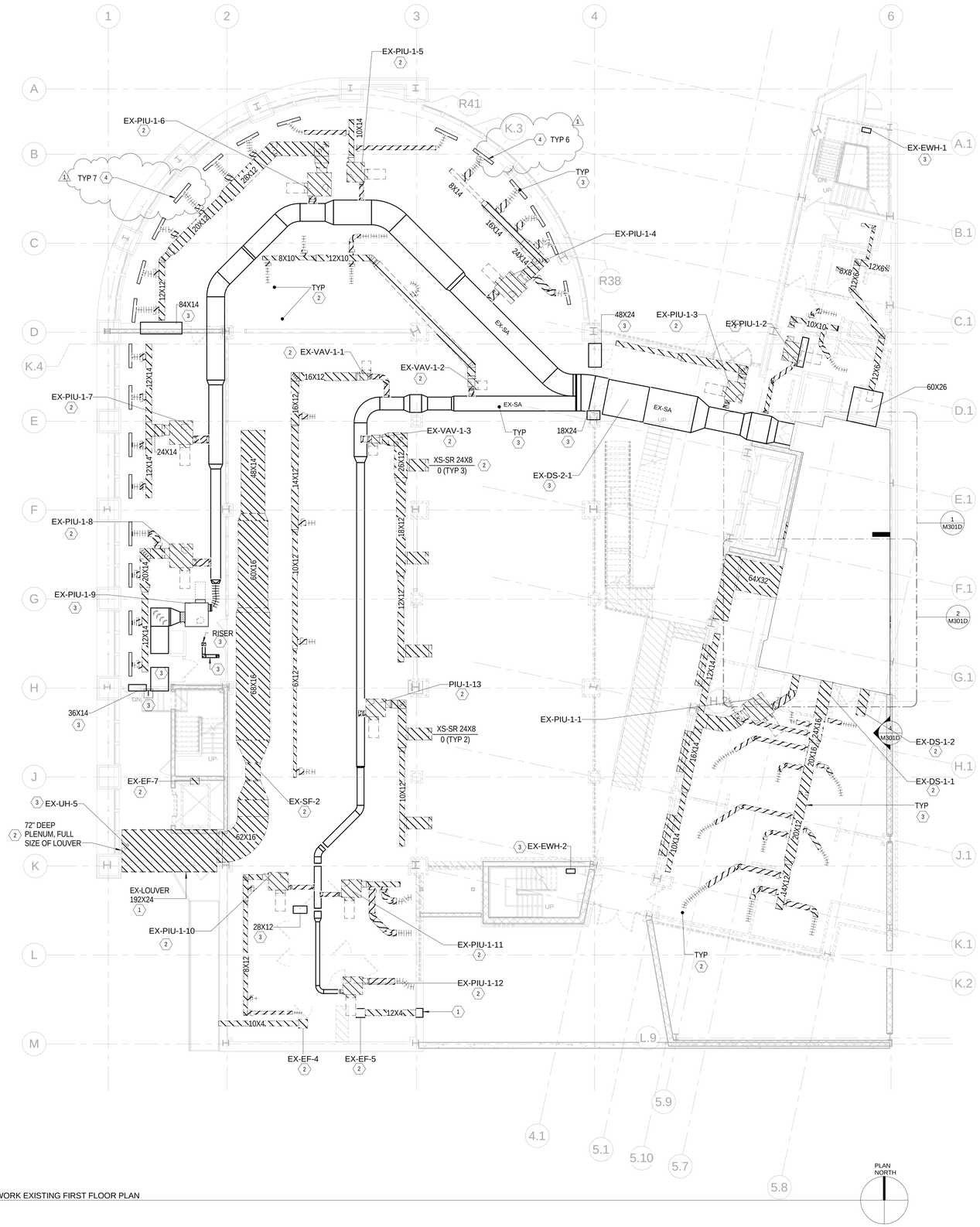

1 MECHANICAL DUCTWORK EXISTING FIRST FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING EQUIPMENT TO BE REUSED ARE IN FULLY OPERATIONAL STATUS AND ASTHETICS. EXISTING EQUIPMENT SHALL BE AN EQUAL TO NEW EQUIPMENT.
2. CONTRACTOR SHALL DEMO ALL EXISTING ASSOCIATED WIRING, MOUNTING PADS, REFRIGERANT PIPING, ETC WHERE EQUIPMENT IS INDICATED TO BE DEMO.
3. CONTRACTOR SHALL REPLACE AND/OR REPAIR ANY EXISTING EQUIPMENT TO FULLY OPERATIONAL STATUS AND ASTHETICS, AS REQUIRED.
4. ACCESS TO EXISTING EQUIPMENT TO REMAIN SHALL BE MAINTAINED.
5. DEMO ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES, EXCEPT FOR LINEAR DIFFUSERS INDICATED. IF EXISTING DEVICES REQUIRE MORE THAN CLEANING, CONTRACTOR SHALL REPLACE DEVICES.
6. REMOVE ALL EXISTING HANGING STRAPS, ETC NOT BEING USED.

KEY NOTES:

1. EXISTING WALL LOUVER TO REMAIN. CAP AND INSULATE INTERIOR OF LOUVER.
2. INDICATES EXISTING TO BE DEMO.
3. INDICATES EXISTING TO REMAIN.
4. PROVIDE ADD ALERNATE TO REMOVE EXISTING SLOT DIFFUSERS

ADD ALTERNATE #10: REPLACE EXISTING SLOT DIFFSUERS WITH LINEAR SLOT DIFFUSERS, PER KEYNOTE 4.

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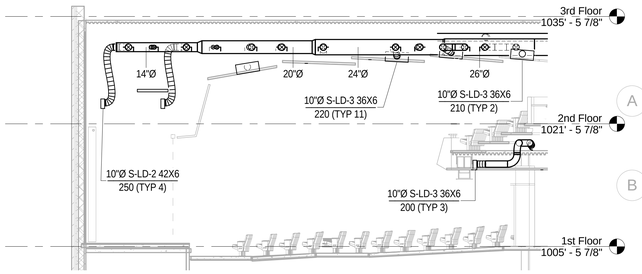
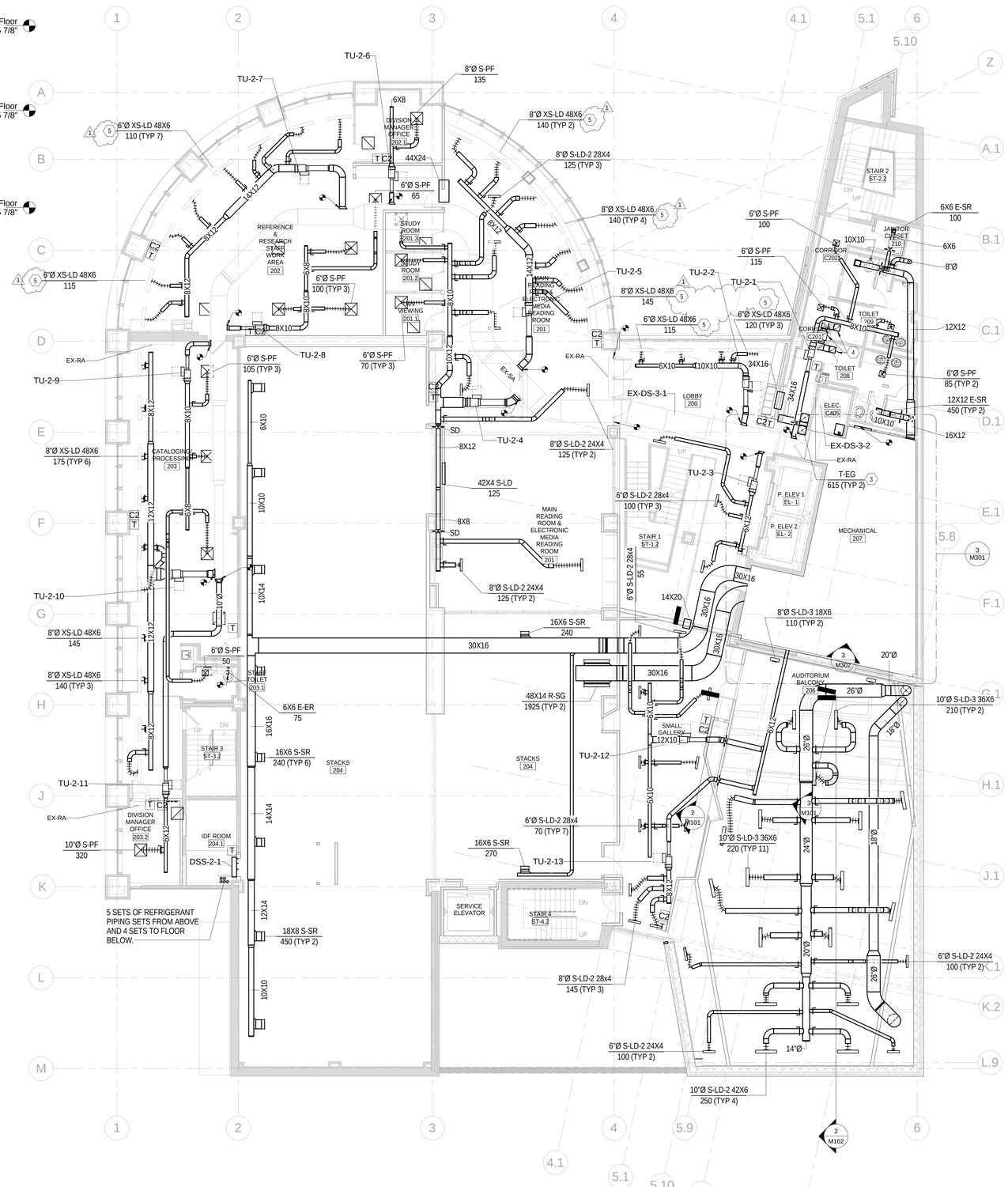


2 SECTION AUDITORIUM N-S
1/8" = 1'-0"



1 MECHANICAL DUCTWORK SECOND FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL REPLACE AND/OR REPAIR ANY EXISTING CONDITIONS TO OPERATIONAL STATUS, AS REQUIRED.
2. PROVIDE ACCESS PANEL TO ALL EXISTING AND NEW EQUIPMENT, DAMPERS, ETC.
3. PROVIDE SMOKE DETECTOR WITHIN FIVE FT OF SMOKE DAMPER.

KEY NOTES:

1. EXISTING TO REMAIN.
2. NEW DAMPER MOUNTED IN EXISTING DUCTWORK. CONTRACTOR TO FIELD VERIFY SIZE PRIOR TO ORDERING.
3. TWO 16X16 EGGCRATE GRILLES CONNECTED WITH 16X16 DUCT FOR TRANSFER AIR. PROVIDE SMOKE DAMPER IN DUCT AT RATED PENETRATION.
4. INDICATES ONE 18X18 GRILLE IN HALLWAY DUCTED WITH 12X12 DUCT INTO EACH BATHROOM. 12X12 IS ROUTED TO 12X12 GRILLE IN EACH BATHROOM.
5. PROVIDE ADD ALTERNATE FOR EXISTING SLOT DIFFUSER. PROVIDE NEW LINEAR SLOT DIFFUSERS: 3 SLOT-1" WIDE OPENING, 48" LONG

1 ADD ALTERNATE #10: REPLACE EXISTING SLOT DIFFSUERS WITH LINEAR SLOT DIFFUSERS, PER KEYNOTE 5.

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DATE: 29 AUGUST 2014		BIDDING
DATE: 06 OCTOBER 2014		ADDENDUM #1

SHEET NUMBER
M102

REGISTERED PROFESSIONAL ENGINEER
No 13089
PROFESSIONAL
29 AUG 2014
WILLIAM W. DEAN

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

SHEET NAME: MECHANICAL DUCTWORK SECOND FLOOR PLAN

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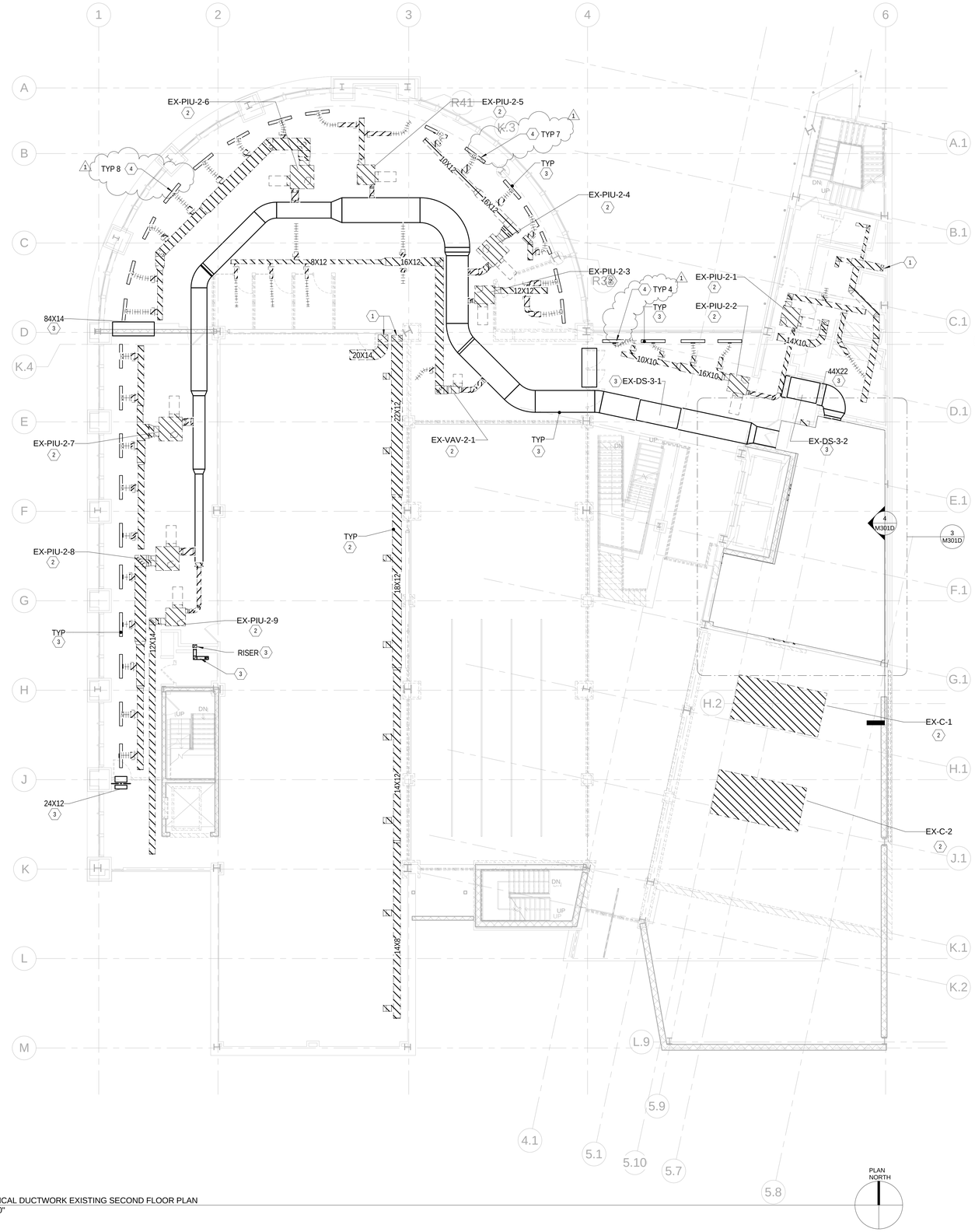

1 MECHANICAL DUCTWORK EXISTING SECOND FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING EQUIPMENT TO BE REUSED ARE IN FULLY OPERATIONAL STATUS AND ASTHETICS. EXISTING EQUIPMENT SHALL BE AN EQUAL TO NEW EQUIPMENT.
2. CONTRACTOR SHALL DEMO ALL EXISTING ASSOCIATED WIRING, MOUNTING PADS, REFRIGERANT PIPING, ETC WHERE EQUIPMENT IS INDICATED TO BE DEMO.
3. CONTRACTOR SHALL REPLACE AND/OR REPAIR ANY EXISTING EQUIPMENT TO FULLY OPERATIONAL STATUS AND ASTHETICS, AS REQUIRED.
4. ACCESS TO EXISTING EQUIPMENT TO REMAIN SHALL BE MAINTAINED.
5. DEMO ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES, EXCEPT FOR LINEAR DIFFUSERS INDICATED. IF EXISTING DEVICES REQUIRE MORE THAN CLEANING, CONTRACTOR SHALL REPLACE DEVICES.
6. REMOVE ALL EXISTING HANGING STRAPS, ETC NOT BEING USED.

KEY NOTES:

1. DEMO VERTICAL DUCTWORK.
2. INDICATES EXISTING TO BE DEMOLISHED.
3. INDICATES EXISTING TO REMAIN.
4. PROVIDE ADD ALERNATE TO REMOVE EXISTING SLOT DIFFUSERS

1 ADD ALTERNATE #10: REPLACE EXISTING SLOT DIFFSUERS WITH LINEAR SLOT DIFFUSERS, PER KEYNOTE 4.

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SHEET NAME: MECHANICAL DUCTWORK SECOND FLOOR PLAN - DEMOLITION

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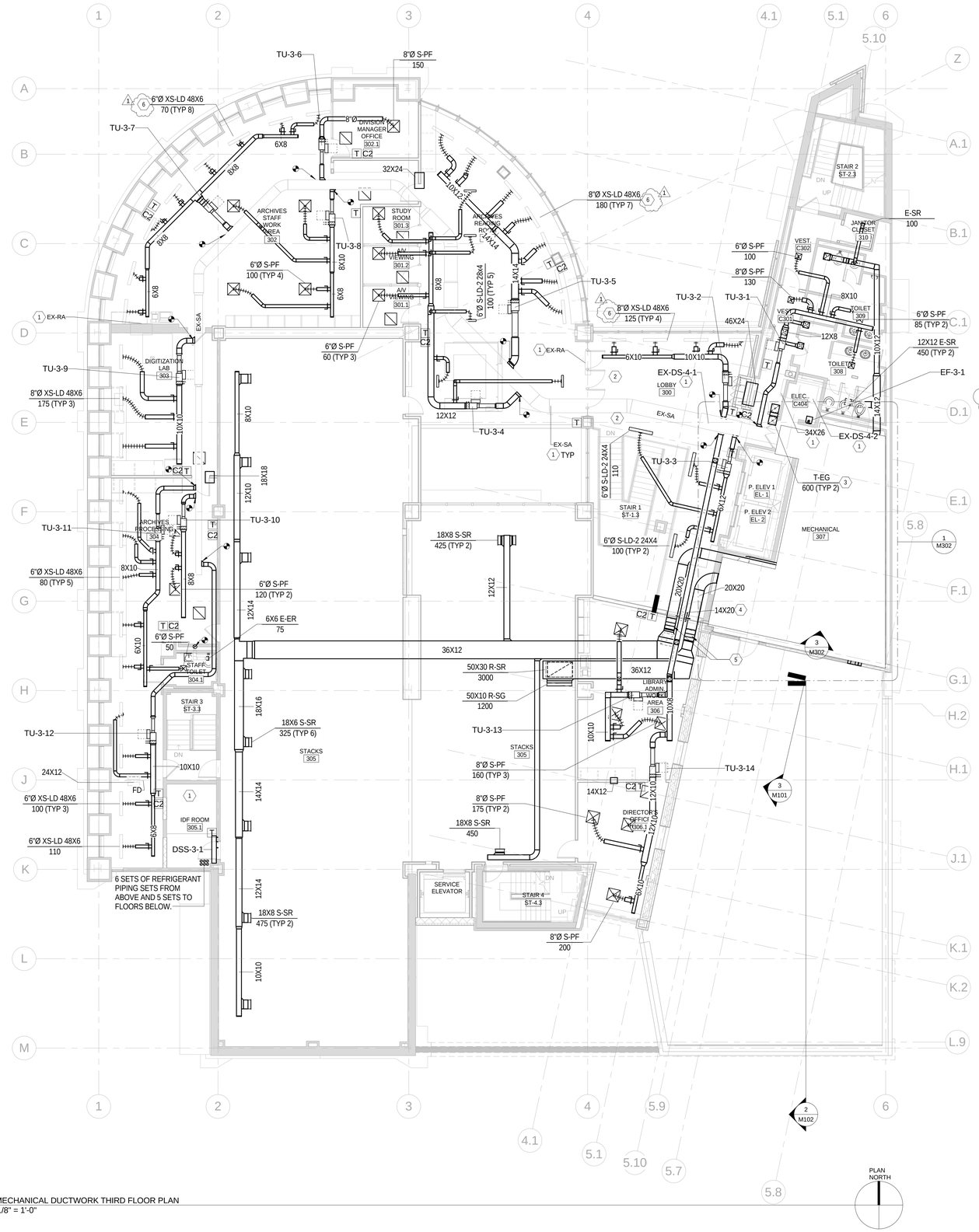

1 MECHANICAL DUCTWORK THIRD FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL REPLACE AND/OR REPAIR ANY EXISTING CONDITIONS TO OPERATIONAL STATUS, AS REQUIRED.
2. PROVIDE ACCESS PANEL TO ALL EXISTING AND NEW EQUIPMENT, DAMPERS, ETC.
3. PROVIDE SMOKE DETECTOR WITHIN FIVE FT OF SMOKE DAMPER.

KEY NOTES:

1. EXISTING TO REMAIN.
2. NEW DAMPER MOUNTED IN EXISTING DUCTWORK. CONTRACTOR TO FIELD VERIFY SIZE PRIOR TO ORDERING.
3. TWO 16X16 EGGCRATE GRILLES CONNECTED WITH 16X16 DUCT FOR TRANSFER AIR. PROVIDE SMOKE DAMPER IN DUCT AT RATED PENETRATION.
4. TRANSFER DUCT MOUNTED BELOW 10X8 DUCT. PROVIDE SMOKE DAMPER IN DUCTWORK AT RATED PENETRATION.
5. INDICATES ELEVATION CHANGE OF DUCTYWORK TO AVOID STRUCTURE.
6. PROVIDE ADD ALTERNATE FOR EXISTING SLOT DIFFUSER. PROVIDE NEW LINEAR SLOT DIFFUSERS: 3 SLOT-1" WIDE OPENING, 48" LONG

1 ADD ALTERNATE #10: REPLACE EXISTING SLOT DIFFSUERS WITH LINEAR SLOT DIFFUSERS, PER KEYNOTE 6.

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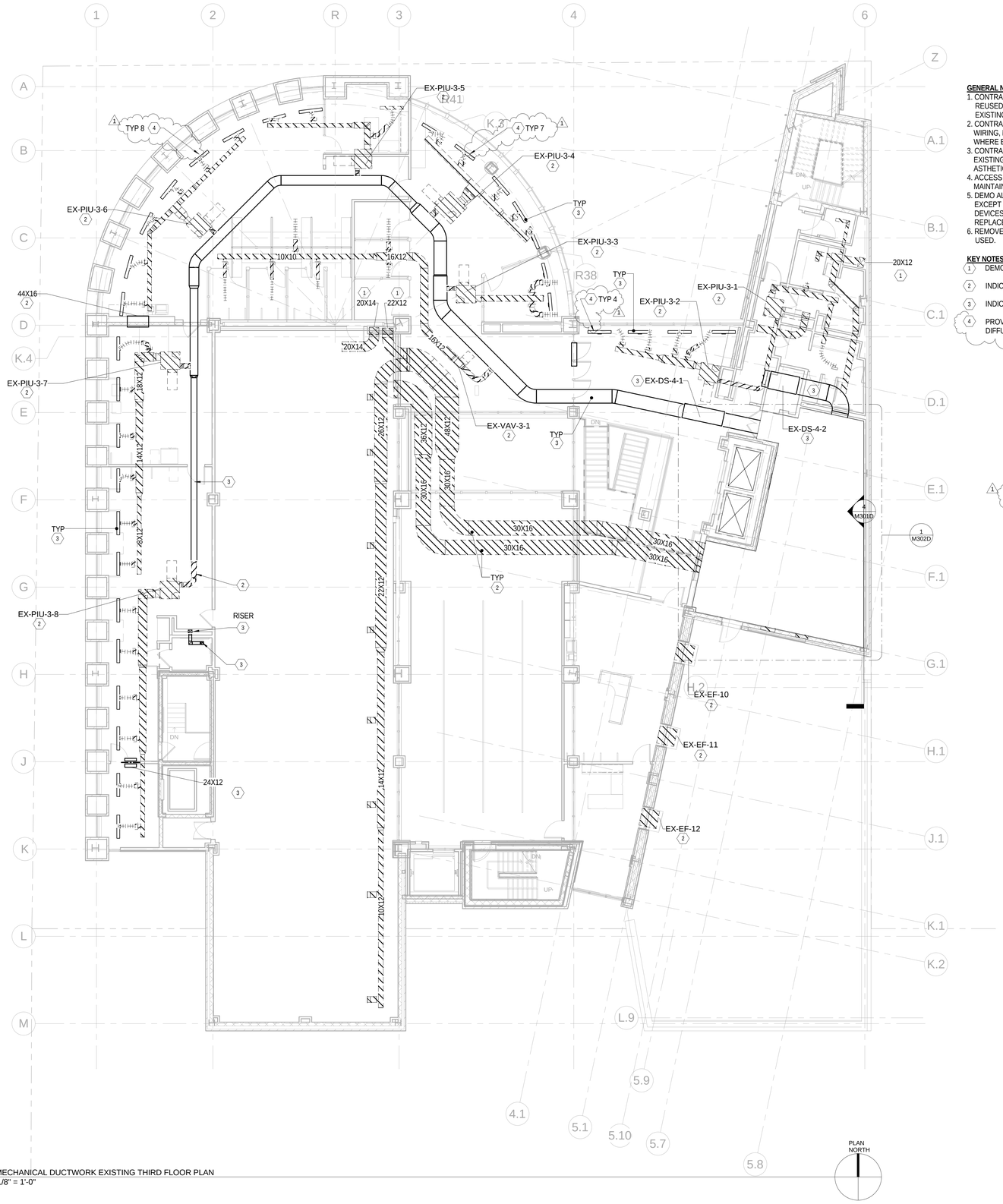

1 MECHANICAL DUCTWORK EXISTING THIRD FLOOR PLAN
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