

AMENDMENT NO. 03
TO THE
PROJECT MANUAL AND DRAWINGS
FOR

Connecting Corridor
U.S. Department of Veterans Affairs
Louis Stokes Cleveland VA Medical Center
10701 East Boulevard Cleveland, OH 44106
VA No. 541-12-110
WRL Commission No. 12057.00

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The Drawings and Project Manual for the above named Project, dated August 24, 2012, are modified, amended, and supplemented as set forth in this Amendment and shall be taken into account in preparing Bids. This Amendment shall become part of the Contract Documents.

Wherein this Amendment is in conflict with the Specifications and Drawings, the requirements of this Amendment shall govern.

ITEM NO. 1 – REVISIONS TO THE PROJECT MANUAL

- A. The following Specification Sections are revised and reissued with this Amendment:
 - 1. SECTION 00 01 00 – TABLE OF CONTENTS
- B. The following Specification Sections are issued for the first time with this Amendment:
 - 1. SECTION 00 02 00 – GEOTECHNICAL EXPLORATION
 - 2. SECTION 06 20 00 – FINISH CARPENTRY
 - 3. SECTION 07 95 13 – EXPANSION JOINT COVER ASSEMBLIES
 - 4. SECTION 09 06 00 – SCHEDULE FOR FINISHES

ITEM NO. 2 – REVISIONS TO CIVIL DRAWINGS

- A. The following Civil Drawings are revised and reissued with this Amendment:
 - 1. C-2 – LAYOUT PLAN AND ALTERNATE NO.2 SITE PLAN

ITEM NO. 3 – REVISIONS TO ARCHITECTURAL DRAWINGS

- A. The following Architectural Drawings are revised and reissued with this Amendment:
 - 1. AE-601 – INTERIOR PARTITION SCHEDULE, FINISH SCHEDULE

ITEM NO. 4 – REVISIONS TO ELECTRICAL DRAWINGS

- A. The following Electrical Drawings are revised and reissued with this Amendment:
 - 1. EL-101 – ELECTRICAL LIGHTING FLOOR PLANS
 - 2. EY-101 – ELECTRICAL SYSTEMS FLOOR PLANS
 - 3. E-401 – ELECTRICAL PANEL LOCATIONS

END OF AMENDMENT NO. 03

DEPARTMENT OF VETERANS AFFAIRS
EXTENSION CORRIDORTABLE OF CONTENTS
100% CONSTRUCTION DOCUMENTS
Section 00 01 10

	DIVISION 00 - SPECIAL SECTIONS	
00 01 10	Table of Contents	
00 01 15	List of Drawing Sheets	
	ISSUED FOR INFORMATION ONLY	
00 02 00	Geotechnical Exploration - Prepared by Givens Geotech, dated 12.15.07	
	DIVISION 01 - GENERAL REQUIREMENTS	
01 00 00	General Requirements	
	Pre-Construction Risk Assessment	
	Infection Control Construction Permit	
	Site Specific Accident Prevention Plan	
	Site Specific Safety Plan Review Sheet	
	Green Environmental Management Systems (GEMS)	
	OSHA Requirements and Safety and Health Regulations	
01 31 00	Alternates	
01 32 16.14	Construction Progress Schedules	
01 33 23	Shop Drawings, Product Data, and Samples	
01 42 19	Reference Standards	
01 45 29	Testing Laboratory Services	
01 57 19	Temporary Environmental Controls	
01 58 16	Temporary Interior Signage	
01 74 19	Construction Waste Management	
	DIVISION 02 - EXISTING CONDITIONS	
02 41 00	Demolition	
	DIVISION 03 - CONCRETE	
03 30 00	Cast-In-Place Concrete	
	DIVISION 04 - MASONRY	
04 05 13	Masonry Mortaring	
04 05 16	Masonry Grouting	
04 20 00	Unit Masonry	
	DIVISION 05 - METALS	
05 12 00	Structural Steel Framing	
05 31 00	Steel Decking	
05 40 00	Cold-Formed Metal Framing	
05 50 00	Metal Fabrications	
	DIVISION 06 - WOOD, PLASTICS AND COMPOSITES	
06 10 00	Rough Carpentry	
06 16 00	Sheathing	
06 20 00	Finish Carpentry	

	DIVISION 07 - THERMAL AND MOISTURE PROTECTION	
07 11 13	Bituminous Damproofing	
07 21 13	Thermal Insulation	
07 22 00	Roof Insulation	
07 27 26	Fluid-Applied Membrane Air Barriers	
07 40 00	Metal Wall Panels	
07 53 60	Polyisobutylene Sheet Roofing	
07 60 00	Flashing and Sheet Metal	
07 72 00	Roof Accessories	
07 81 00	Applied Fireproofing	
07 84 00	Firestopping	
07 92 00	Joint Sealants	
07 95 13	Expansion Joint Cover Assemblies	
	DIVISION 08 - OPENINGS	
08 11 13	Hollow Metal Doors and Frames	
08 31 13	Access Doors and Frames	
08 41 13	Aluminum-Framed Entrances and Storefronts	
08 44 13	Glazed Aluminum Curtain Walls	
08 71 00	Door Hardware	
08 71 13	Automatic Door Operators	
08 80 00	Glazing	
08 90 00	Louvers and Vents	
	DIVISION 09 - FINISHES	
09 06 00	Schedule For Finishes	
09 22 16	Non-Structural Metal Framing	
09 29 00	Gypsum Board	
09 51 00	Acoustical Ceilings	
09 65 13	Resilient Base and Accessories	
09 65 16	Resilient Sheet Flooring	
09 67 23.30	Resinous Flooring	
09 91 00	Painting	
	DIVISION 10 - SPECIALTIES	
10 26 00	Wall and Door Protection	
10 44 13	Fire Extinguisher Cabinets	
	DIVISIONS 11 - 20	
	<i>Not Used</i>	
	DIVISION 21 - FIRE SUPPRESSION	
21 05 11	Common Work Results for Fire Suppression	
21 13 13	Wet Pipe Sprinkler Systems	
	DIVISION 22 - PLUMBING	
22 05 11	Common Work Results for Plumbing	
22 14 00	Facility Storm Drainage	
22 40 00	Plumbing Fixtures	
	DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)	
23 05 11	Common Work Results for HVAC and Steam Generation	
23 05 12	General Motor Requirements for HVAC Equipment	

23 05 41	Noise and Vibration Control for HVAC Piping and Equipment	
23 05 93	Testing, Adjusting, and Balancing for HVAC	
23 07 11	HVAC, Plumbing, and Boiler Plant Insulation	
23 09 23	Direct-Digital Control System for HVAC	
23 11 23	Facility Natural Gas Piping	
23 23 00	Refrigerant Piping	
23 31 00	HVAC Ducts and Casings	
23 37 00	Air Outlets and Inlets	
23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units	
	DIVISIONS 24 - 25	
	<i>Not Used</i>	
	DIVISION 26 - ELECTRICAL	
26 05 11	Requirements for Electrical Installations	
26 05 21	Low-Voltage Electrical Power Conductors and Cables (600 Volts and Below)	
26 05 26	Grounding and Bonding for Electrical Systems	
26 05 33	Raceway and Boxes for Electrical Systems	
26 09 23	Lighting Controls	
26 24 16	Panelboards	
26 27 26	Wiring Devices	
26 29 21	Disconnect Switches	
26 51 00	Interior Lighting	
	DIVISION 27	
27 05 11	Requirements for Communications Installations	
27 05 26	Grounding and Bonding for Communications Systems	
27 05 33	Raceways and Boxes for Communications Systems	
27 51 16	Public Address and Mass Notification systems	
	DIVISION 28 - ELECTRONIC SAFETY AND SECURITY	
28 05 11	Requirements for Electronic Safety and Security Installations	
28 05 33	Raceways and Boxes for Electronic Safety and Security	
28 31 00	Fire Alarm Systems	
	DIVISIONS 29 - 30	
	<i>Not Used</i>	
	DIVISION 31 - EARTHWORK	
31 20 00	Earth Moving	
31 23 19	Dewatering	
31 63 26	Drilled Caissons	
	DIVISION 32 - EXTERIOR IMPROVEMENTS	
32 05 23	Cement and Concrete for Exterior Improvements	
32 12 16	Asphalt Paving	
32 31 13	Metal Fences and Gates	
32 84 00	Planting Irrigation	
32 90 00	Planting	

	DIVISIONS 33 - 49	
	<i>Not Used</i>	

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**SECTION 06 20 00
FINISH CARPENTRY****PART 1 - GENERAL****1.1 DESCRIPTION**

- A. This section specifies exterior and interior millwork.
- B. Items specified.
 - 1. Window sills

1.2 RELATED WORK

- A. Framing, furring and blocking: Section 06 10 00, ROUGH CARPENTRY.
- B. Color and texture of finish: Drawing AE-601, FINISH SCHEDULE.
- C. Electrical light fixtures and duplex outlets: Division 26, ELECTRICAL.

1.3 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Shop Drawings:
 - 1. Millwork items - Half full size scale for sections and details 1:50 (1/4-inch) for elevations and plans.
 - 2. Show construction and installation.
- C. Samples:
 - 1. Solid Surface sample showing specified pattern, color, texture, and finish.
- D. Certificates:
 - 1. Indicating fire retardant treatment of materials meet the requirements specified.
 - 2. Indicating moisture content of materials meet the requirements specified.
- E. List of acceptable sealers for fire retardant and preservative treated materials.
- F. Manufacturer's literature and data:
 - 1. Solid Surface

1.4 DELIVERY, STORAGE AND HANDLING

- A. Protect lumber and millwork from dampness, maintaining moisture content specified both during and after delivery at site.
- B. Store finishing lumber and millwork in weathertight well ventilated structures or in space in existing buildings designated by Contracting Officer's Technical Representative. Store at a minimum temperature of 21°C (70°F) for not less than 10 days before installation.
- C. Pile lumber in stacks in such manner as to provide air circulation around surfaces of each piece.

1.5 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American Society of Testing and Materials (ASTM):
- A36/A36M-05.....Structural Steel
 - A53-06.....Pipe, Steel, Black and Hot-Dipped Zinc Coated,
Welded and Seamless
 - A167-99 (R2004).....Stainless and Heat-Resisting Chromium-Nickel
Steel Plate, Sheet, and Strip
 - B26/B26M-05.....Aluminum-Alloy Sand Castings
 - B221-06.....Aluminum and Aluminum-Alloy Extruded Bars, Rods,
Wire, Profiles, and Tubes
 - E84-07.....Surface Burning Characteristics of Building
Materials
 - F436-07.....Hardened Steel Washers
- C. American Hardboard Association (AHA):
- A135.4-04.....Basic Hardboard
- D. Builders Hardware Manufacturers Association (BHMA):
- A156.9-03.....Cabinet Hardware
 - A156.11-04.....Cabinet Locks
 - A156.16-02.....Auxiliary Hardware
- E. Hardwood Plywood and Veneer Association (HPVA):
- HP1-04.....Hardwood and Decorative Plywood
- F. National Particleboard Association (NPA):
- A208.1-99.....Wood Particleboard
- G. American Society of Mechanical Engineers (ASME):
- B18.2.1-96(R2005).....Square and Hex Bolts and Screws (Inch Series)
- H. American Wood-Preservers' Association (AWPA):
- AWPA C1-03.....All Timber Products - Preservative Treatment by
Pressure Processes
- I. Architectural Woodwork Institute (AWI):
- AWI-99.....Architectural Woodwork Quality Standards and
Quality Certification Program
- J. National Electrical Manufacturers Association (NEMA):
- LD 3-05.....High-Pressure Decorative Laminates
 - LD 3.1-95.....Application, Fabrication and Installation of
High-Pressure Decorative Laminates

- K. U.S. Department of Commerce, Product Standard (PS):
PS1-95.....Construction and Industrial Plywood
PS20-05.....American Softwood Lumber Standard
- L. Military Specification (Mil. Spec):
MIL-L-19140E.....Lumber and Plywood, Fire-Retardant Treated
- M. Federal Specifications (Fed. Spec.):
A-A-1922A.....Shield Expansion
A-A-1936.....Contact Adhesive
FF-N-836D.....Nut, Square, Hexagon Cap, Slotted, Castle
FF-S-111D(1).....Screw, Wood
MM-L-736(C).....Lumber, Hardwood

PART 2 - PRODUCTS**2.1 PLYWOOD**

- A. Softwood Plywood:
1. Prod. Std. PS-1.
 2. Grading and Marking:
 - a. Each sheet of plywood shall bear the mark of a recognized association or independent inspection agency that maintains continuing control over the quality of the plywood.
 - b. The mark shall identify the plywood by species group or identification index, and shall show glue type, grade, and compliance with PS1.
 3. Plywood, 13 mm (1/2 inch) and thicker; not less than five ply construction, except 32 mm (1-1/4 inch) thick plywood not less than seven ply.
- B. Medium Density Particleboard: Ansi A208.2, Grade MD

2.2 ADHESIVE

- A. For Solid Surfaces:
1. Mounting Adhesive: Provide structural grade "50 year" silicone or epoxy adhesive of a type recommended by manufacturer for application and conditions of use.

2.3 SOLID SURFACING MATERIAL

- A. Material: Homogeneous solid sheets of filled plastic resin complying with ISSFA-2.
- B. Color: As indicated on Drawing Sheet AE-601; FINISH SCHEDULE.

2.4 MOISTURE CONTENT

- A. Moisture content of lumber and millwork at time of delivery to site.

1. Interior finish lumber, trim, and millwork 32 mm (1-1/4 inches) or less in nominal thickness: 12 percent on 85 percent of the pieces and 15 percent on the remainder.
2. Moisture content of other materials shall be in accordance with the standards under which the products are produced.

2.5 FIRE RETARDANT TREATMENT

- A. Where wood members and plywood are specified to be fire retardant treated, the treatment shall be in accordance with Mil. Spec. MIL-L19140.
- B. Treatment and performance inspection shall be by an independent and qualified testing agency that establishes performance ratings.
- C. Each piece of treated material shall bear identification of the testing agency and shall indicate performance in accordance with such rating of flame spread and smoke developed.
- D. Treat wood for maximum flame spread of 25 and smoke developed of 25.
- E. Fire Resistant Softwood Plywood:
 1. Use Grade A, Exterior, plywood for treatment.
 2. Meet the following requirements when tested in accordance with ASTM E84.
 - a. Flame spread: 0 to 25.
 - b. Smoke developed: 100 maximum
- F. Fire Resistant Hardwood Plywood:
 1. Core: Fire retardant treated softwood plywood.
 2. Hardwood face and back veneers untreated,
 3. Factory seal panel edges, to prevent loss of fire retardant salts.

2.6 FABRICATION

- A. General:
 1. Plywood shall be not less than 13 mm (1/2 inch), unless otherwise shown or specified.
 2. Edges of members in contact with concrete or masonry shall have a square corner caulking rebate.
 3. Fabricate members less than 4 m (14 feet) in length from one piece of lumber, back channeled and molded as shown.
- B. Window Stools: Dimension as detailed on Drawings. Color and Pattern as indicated on Drawing sheet AE-601, FINISH SCHEDULE.

PART 3 - EXECUTION**3.1 ENVIRONMENTAL REQUIREMENTS**

- A. Maintain work areas and storage areas to a minimum temperature of 21⁰C (70⁰F) for not less than 10 days before and during installation of interior millwork.
- B. Do not install finish lumber or millwork in any room or space where wet process systems such as concrete, masonry, or plaster work is not complete and dry.

3.2 INSTALLATION

- A. General:
 - 1. Secure trim with fine finishing nails, screws, or glue as required.
 - 2. Seal cut edges of preservative and fire retardant treated wood materials with a certified acceptable sealer.
 - 3. Coordinate with plumbing and electrical work for installation of fixtures and service connections in millwork items.
 - 4. Plumb and level items unless shown otherwise.

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SECTION 07 95 13
EXPANSION JOINT COVER ASSEMBLIES**PART 1 - GENERAL****1.1 DESCRIPTION**

- A. Section specifies floor, wall and ceiling building expansion joint assemblies.
- B. Types of assemblies:
 - 1. Metal plate cover
 - 2. Elastomeric joint covers

1.2 RELATED WORK

- A. Roof Expansion Joint Cover Assemblies: Section 07 72 00, ROOF ACCESSORIES.

1.3 QUALITY ASSURANCE

- A. Project Conditions:
 - 1. Check actual locations of walls and other construction, to which work must fit, by accurate field measurements before fabrication.
 - 2. Show recorded measurements on final shop drawings.
- B. Fire tests performed by Factory Mutual, Underwriters Laboratories, Inc., Warnock Hersey or other approved independent testing laboratory.
- C. Source Limitations: Obtain expansion control systems from single source from single manufacturer.

1.4 DELIVERY STORAGE AND HANDLING

- A. Take care in handling of materials so as not to injure finished surface and components.
- B. Store materials under cover in a dry and clean location off the ground.
- C. Remove materials which are damaged or otherwise not suitable for installation from job site and replace with acceptable materials.

1.5 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Manufacturer's Literature and Data:
 - 1. Submit copies of manufacturer's current literature and data for each item specified.
 - 2. Clearly indicate movement capability of cover assemblies and suitability of material used in exterior seals for ultraviolet exposure.
- C. Certificates: Material test reports from approved independent testing laboratory indicating and interpreting test results relative to

compliance of fire-rated expansion joint assemblies with requirements specified.

D. Shop Drawings:

1. Showing full extent of expansion joint cover assemblies; include large-scale details indicating profiles of each type of expansion joint cover assembly, splice joints between sections, joiners with other type assemblies, special end conditions, anchorages, fasteners, and relationship to adjoining work and finishes.
2. Include description of materials and finishes and installation instructions.

E. Samples:

1. Samples of each type and color of metal finish on metal of same thickness and alloy used in work.
2. Samples of each type and color of flexible seal used in work.

1.6 APPLICABLE PUBLICATIONS

A. Publications listed form part of this specification to extent referenced. Publications are referred to in text by basic designation only.

B. American Society for Testing and Materials (ASTM):

A36/A36M-05.....Structural Steel
A167-99 (R2004).....Stainless and Heat-Resisting Chromium-Nickel
Steel Plate, Sheet, and Strip
A283/A283M-03.....Low and Intermediate Tensile Strength Carbon
Steel Plates
A786/A786M-05.....Rolled Steel Floor Plates
B209M-06.....Aluminum and Aluminum-Alloy Sheet and Plate
(Metric)
B221M-06.....Aluminum and Aluminum-Alloy Extruded Bars,
Rods, Wire, Shapes, and Tubes (Metric)
C864-05.....Dense Elastomeric Compression Seal Gaskets,
Setting Blocks, and Spacers
C920-05.....Elastomeric Joint Sealants
D1187-97 (R2002).....Asphalt Base Emulsions for Use as Protective
Coatings for Metal
D2287-96 (R2001).....Non-rigid Vinyl Chloride Polymer and Copolymer
Molding and Extrusion Compounds
E119-07.....Fire Tests of Building Construction and
Materials

- E814-06.....Fire Tests of Through-Penetration Fire Stops
- C. Federal Specifications (Fed. Spec):
- TT-P-645B.....Primer, Paint, Zinc-Molybdate, Alkyd Type
- D. The National Association of Architectural Metal Manufacturers (NAAMM):
- AMP 500 Series.....Metal Finishes Manual.
- E. National Fire Protection Association (NFPA):
- 251-05.....Tests of Fire Endurance of Building
Construction and Materials
- F. Underwriters Laboratories Inc. (UL):
- 263-03.....Fire Tests of Building Construction and
Materials

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Stainless Steel: ASTM A167, Type 302 or 304.
- B. Structural Steel Shapes: ASTM A36.
- C. Steel Plate: ASTM A283, Grade C.
- D. Rolled Steel Floor Plate: ASTM A786.
- E. Aluminum:
1. Extruded: ASTM B221, alloy 6063-T5.
 2. Plate and Sheet: ASTM B209, alloy 6061-T6.
- F. Elastomeric Sealant:
1. ASTM C920, polyurethane.
 2. Class 25.
 3. Grade P or NS.
 4. Shore A hardness 25, unless specified otherwise.
- G. Thermoplastic Rubber:
1. ASTM C864.
 2. Dense Neoprene or other material standard with expansion joint manufacturers having the same physical properties.
- H. Vinyl Invertor Sealant Waterstops: Manufacturers' standard shapes and grade.
- I. Fire Barrier:
1. Designed for indicated or required dynamic structural movement without material degradation or fatigue.
 2. Tested in maximum joint width condition as a component of an expansion joint cover assembly in accordance with UL 263, NFPA 251, or ASTM E119 and E814, including hose steam test at full-rated period.

J. Zinc-Molybdate Primer: Fed. Spec. TT-P-645.

K. Accessories:

1. Manufacturer's standard anchors, fasteners, set screws, spaces, flexible secondary water stops or seals and filler materials, drain tubes, adhesive and other accessories as indicated or required for complete installations.
2. Compatible with materials in contact with expansion joint cover assemblies.
3. Water stops.

2.2 PERFORMANCE REQUIREMENTS

A. Chemical Resistances: The following chemicals are present in the Lab and may come into contact with the floor and wall expansion joint assemblies. Provide expansion control systems that can withstand or be maintained in the presence of the following:

1. Formalin
2. Xylene
3. Acetone
4. Ethyl Alcohol
5. Stains: Crystal Violet, Safranin, Basic Fuchsin, Auramine, Methylene Blue, Hematoxylin, Eosin
6. Iodine
7. Iodine (solution)
8. Potassium Permanganate
9. Ammonium Hydroxide (FS)
10. Sodium Azide
11. Nitric Acid
12. IN H₂SO₄ (Sulfuric Acid)
13. 95% ETOH (consumable alcohol)
14. Bleach
15. EDTA
16. Yellow food coloring
17. Acetic Acid
18. Hydrochloric Acid
19. Boric Acid
20. Methanol
21. Picric Acid

2.3 FABRICATION

A. General:

1. Use ceiling and wall expansion joint cover assemblies of same design as floor to wall and floor to floor expansion joint cover assemblies. Unless shown otherwise.
2. Provide expansion joint cover assemblies of design, basic profile, materials and operation indicated required to accommodate joint size variations in adjacent surfaces, and as required for anticipated structural movement.
3. Deliver to job site ready for use and fabricated in as large sections and assemblies as practical. Assemblies identical to submitted and reviewed shop drawings, samples and certificates.
4. Furnish units in longest practicable lengths to minimize number of end joints. Provide mitered corners where joint changes directions or abuts other materials.
5. Include closure materials and transition pieces, tee-joints, corners, curbs, cross-connections and other assemblies.
6. Fire Performance Characteristics:
 - a. Provide expansion joint cover assemblies identical to those of assemblies whose fire resistance has been determined per ASTM E119 and E814, NFPA 251, or UL 263 including hose stream test at full-rated period.
 - b. Fire rating: Not less than rating of adjacent floor or wall construction.
7. Fire Barrier Systems:
 - a. Material to carry label of approved independent testing laboratory, and be subject to follow-up system for quality assurance.
 - b. Include thermal insulation where necessary, in accordance with above tests, with factory cut miters and transitions.
 - c. For joint widths up to and including 150 mm (six inches), supply barrier in lengths up to 15000 mm (50 feet) to eliminate field splicing.
 - d. For joint widths of seven inches and wider, supply barrier 3000 mm (10-foot) modules with overlapping ends for field splicing.
 - e. For joints within enclosed spaces such as chase walls, include 1 mm (0.032-inch) thick galvanized steel cover where conventional expansion joint cover is not used.
8. Seal Strip factory - formed and bonded to metal frames and anchor members.

9. Compression Seals: Prefabricate from thermoplastic rubber or dense neoprene to sizes and approximate profiles shown.

B. Floor-to-Floor Metal Plate Joints:

1. Frames on each side of joint designed to support cover plate of design shown.
 - a. Continuous frame designed to finish flush with adjacent floor of profile indicated with seating surface and raised floor rim to accommodate flooring.
 - b. Provide concealed bolt and steel anchors for embedment in concrete.
 - c. Designed for filler materials between raised rim of frame and edge of cover plate where shown.
 - d. Frame and cover plates of some metal where exposed.
 - 1) Design cover plates to support 180 Kg (400 lbs) per 0.3 square meters (1-square foot).
 - 2) Cover plates free of rattle due to traffic.
 - 3) No gaps or budes occur on filler material during design movement of joint.
 - 4) Provide manufacturer's continuous standard flexible vinyl water stop under floor joint cover assemblies.

C. Floor-to-Wall Metal Plate Joints:

1. Provide one frame on floor side of joint only. Provide wall side frame where required by manufacturer's design.
2. Angle Cover Plates: Provide angle cover plates for joints to wall with countersunk flat-head exposed fasteners for securing to wall unless shown otherwise.
3. Space fasteners as recommended by manufacturer.

D. Interior Wall Joint Cover Assemblies:

1. Surface Mounted Metal Cover Plates:
 - a. Concealed frame for fastening to wall on one sides of joint.
 - b. Extend cover to lap each side of joint and to permit free movement on one side.
 - c. Provide concealed attachment of cover t frame cover in close contact with adjacent finish wall surfaces.
 - d. Use angle cover plates at intersection of walls.
 - e. Use smooth surface cover plates matching floor plates.
 - f. Use expansion fire inserts in fire rated walls, rated same as hour rating of wall.

E. Exterior Wall Joint Assemblies:

1. Variable movement with seal designed to prevent water and air infiltration.
2. Use vinyl seal strip as secondary seal behind primary seal.
3. Cover Plate Assemblies:
 - a. Surface mounted cover plate.
 - b. Concealed frame for fastening to wall on one side of joint.
 - c. Extend cover to lap each side of joint and to permit free movement on one side.
 - d. Provide concealed attachment of cover to frame for cover with cover in close contact with adjacent finish surfaces.
 - e. Use angle cover plate of intersection of walls.
4. Extruded Thermoplastic Rubber Joint Assemblies:
 - a. Aluminum frames both sides of joint.
 - 1) Designed to receive flexible rubber primary seal on exposed face after installation of frame.
 - 2) Designed to receive continuous secondary vinyl sheet seal.
 - 3) Anchor spaced at ends and not over 600 mm (24-inches).
 - b. Variable movement extruded rubber primary seal designed to remain in aluminum frame, throughout movement of joint.
 - 1) Flush mounted seal minimum 3 mm (0.125-inch) thick with dual movement grooves designed for plus or minus 50 percent, movement of joint width.
 - c. Provide factory heat welded transitions where directional changes occur to ensure a watertight system.
 - d. Provide pantographic wind load supports, maximum 2400 mm (8 feet) on center to support seal systems of 300 mm (12-inches) and wider.

F. Ceiling and Soffit Assemblies:

1. Variable movement vinyl insert in metal frame on both sides of joint.
2. Designed for flush mounting with no exposed fasteners.
3. Vinyl insert locked into metal frame.
4. Vinyl and metal finish as specified in section 09 06 00, SCHEDULE FOR FINISHES.
5. Vinyl insert semi rigid either flush face or accordion shape as showed to span joint width without sagging.

2.4 METAL FINISHES**A. General:**

1. Apply finishes in factory after products are fabricated.
2. Protect finishes on exposed surfaces with protective covering before shipment.

B. Aluminum Finishes:

1. Fluorocarbon Finish: NAAMM AMP 503 AAMA 605.2, high performance organic coating.
2. Factory-Primed Concealed Surface: NAAMM AMP 505 Protect concealed aluminum surfaces that will be in contact with plaster, concrete or masonry surfaces when installed by applying a shop coat of zinc-molybdate primer to contact surfaces. Provide minimum dry film thickness of 2.0 mils.

PART 3 EXECUTION**3.1 EXAMINATION**

- A. Manufacturer's representative shall make a thorough examination of surfaces receiving work of this section.
- B. Before starting installation, notify prime contractor of defects which would affect satisfactory completion of work.

3.2 PREPARATION

- A. Verify measurements and dimensions at job site and cooperate in coordination and scheduling of work with work of related trades.
- B. Give particular attention to installation of items embedded in concrete and masonry so as not to delay job progress.
- C. Provide templates to related trade for location of support and anchorage items.

3.3 INSTALLATION

- A. Install in accordance with manufacturers installation instructions unless specified otherwise.
- B. Provide anchorage devices and fasteners for securing expansion joint assemblies to in-place construction including threaded fasteners with drilled-in fasteners for masonry and concrete where anchoring members are not embedded in concrete. Provide metal fasteners of type and size to suit type of construction indicated and provide for secure attachment of expansion joint cover assemblies.
- C. Perform cutting, drilling and fitting required for installation of expansion joint cover assemblies.

- D. Install joint cover assemblies in true alignment and proper relationship to expansion joint opening and adjoining finished surfaces measured from established lines and levels.
- E. Allow for thermal expansion and contraction of metal to avoid buckling.
- F. Set floor covers at elevations flush with adjacent finished floor materials unless shown otherwise.
- G. Material and method of grouting floor frames set in prepared recesses in accordance with manufacturer's instructions.
- H. Locate wall, ceiling and soffit covers in continuous contact with adjacent surfaces. Securely attach in place with required accessories.
- I. Locate anchors at interval recommended by manufacturer, but not less than 75 mm (3-inches) from each ends, and, not more than 600 mm (24-inches) on centers.
- J. Maintain continuity of expansion joint cover assemblies with end joints held to a minimum and metal members aligned mechanically using splice joints.
- K. Cut and fit ends to produce joints that will accommodate thermal expansion and contraction of metal to avoid buckling of frames or plates.
- L. Flush Metal Cover Plates:
 - 1. Secure flexible filler between frames so that it will compress and expand.
 - 2. Adhere flexible filler materials to frames with adhesive or pressure-sensitive tape as recommended by manufacturer.
- M. Waterstops:
 - 1. Install in conjunction with floor joints and where shown, run continuously to prevent water damage to finish spaces.
 - 2. Provide seal with frame to prevent water leakage.
 - 3. Provide outlet tubes from waterstops to drain to prevent damage to finish spaces.
- N. Fire Barriers:
 - 1. Install in compliance with tested assembly.
 - 2. Install in floors and in fire rated walls.
 - 3. Use fire barrier sealant or caulk supplied with system.
- O. Sealants:
 - 1. Install to prevent water and air infiltration.
- P. Vertical Exterior Extruded Thermoplastic Rubber.

1. Install side frames mounted on sealant or butyl caulk tape with appropriate anchors 600 mm (24 inches) on center complete with independent continuous PVC back seal.

2. Install primary seals retained in extruded aluminum side frames.

Q. Installation of Extruded Thermoplastic Rubber or Seals:

1. For straight sections, provide preformed seals in continuous lengths.
2. Vulcanize or heat-seal field splice joints to provide watertight joints using manufacturer's recommended procedures.

R. Installation of Preformed Elastomeric Sealant Joint:

1. Locate joint directly over joints in wall or floor substrates.
2. Full length shall be fastened to substrate using a construction adhesive.
3. Install flush or slightly below finish material.

3.4 PROTECTION

- A. Take proper precautions to protect the expansion joint covers from damage after they are in place.
- B. Cover floor joints with plywood where wheel traffic occurs.

- - - E N D - - -

SECTION 09 06 00
SCHEDULE FOR FINISHES**PART I - GENERAL****1.1 DESCRIPTION**

This section contains a coordinated system in which requirements for materials specified in other sections shown are identified by abbreviated material names and finish codes in the room finish schedule or shown for other locations.

1.2 MANUFACTURERS

Manufacturer's trade names and numbers used herein are only to identify colors, finishes, textures and patterns. Products of other manufacturer's equivalent to colors, finishes, textures and patterns of manufacturers listed that meet requirements of technical specifications will be acceptable upon approval in writing by contracting officer for finish requirements.

1.3 SUBMITTALS

Submit in accordance with SECTION 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES—provide quadruplicate samples for color approval of materials and finishes specified in this section.

1.4 APPLICABLE PUBLICATIONS

- A. Publications listed below form a part of this specification to the extent referenced. Publications are referenced in text by basic designation only.
- B. MASTER PAINTING INSTITUTE: (MPI)
2001.....Architectural Painting Specification Manual

PART 2- PRODUCTS**2.1 DIVISION 04 - MASONRY**

A. Section 04 05 13, MASONRY MORTARING

Finish Code	Manufacturer	Mfg. Color Name
M-1 (for use with FB-1)		Match adjacent Lab/Warehouse Building

B. Section 04 20 00, UNIT MASONRY

Finish Code	Size	Pattern	Mfg. Color Name/No.
FB-1	Modular	Running Bond	Match adjacent Lab/Warehouse Building

2.2 DIVISION 05 - METALS

A. Section 05 31 00, STEEL DECKING

Finish	Color
Fireproofing at roof	

B. Section 05 50 00, METAL FABRICATIONS

Item	Finish
Loose Lintels	Galvanized
Edge Guards Angles for Opening in Slabs	Galvanized

2.3 DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

A. Section 06 20 00, FINISH CARPENTRY - SEE DRAWING AE-601, FINISH SCHEDULE

2.4 DIVISION 7 - THERMAL AND MOISTURE PROTECTION

A. Section 07 95 13, EXPANSION JOINT COVER ASSEMBLIES

	Material	Finish	Mfg. Color Name/No.
Wall Component Cover Plate Frame Gasket or Sealant (interior only)	Gasket	To be selected in submittal	To be selected in submittal
Ceiling Component Cover Plate, Gasket or Sealant (interior only)	Aluminum	To be selected in submittal	To be selected in submittal
Exterior Wall Cover Plate Frame Thermoplastic Joint	Gasket	To be selected in submittal	To be selected in submittal

B. Section 07 40 00, METAL WALL PANELS

Type	Shape	Ext. Finish	Int. Finish	Mfg. Color Name/No.
Composite Metal Panel	4mm	Smooth, Flat, flouropolymer 2- coat system	Factory finish (Baked on primer coat, min)	Match adjacent Lab/Warehouse Building

C. Section 07 53 60, POLYISOBUTYLENE SHEET ROOFING

Color	Color Name.
White	Color: White

D. Section 07 60 00, FLASHING AND SHEET METAL

Item	Material	Finish
Copings	Aluminum	To be selected in submittal

E. Section 07 92 00, JOINT SEALANTS

Location	Color	Manufacturer	Manufacturer Color
Masonry Expansion Joints			Selected from mock-up
Building Expansion Joints			Selected from mock-up
Masonry Sealed Joints			Selected from mock-up

2.5 DIVISION 08 - OPENINGS

A. Section 08 11 13, HOLLOW METAL DOORS AND FRAMES

Paint both sides of door and frames same color.	
Component	Color of Paint Type and Gloss
Door	See AE-601 Finish Schedule
Frame	See AE-601 Finish Schedule

B. Section 08 44 13, GLAZED ALUMINUM CURTAIN WALLS

Material	Finish	Manufacturer	Manufacturer Color Name/No.
Aluminum	Clear Anodized		
Glass	(See Glazing types)		

C. Section 08 71 00, DOOR HARDWARE (See Hardware Schedule)

D. Section 08 80 00, GLAZING

Glazing Type	Mfg. Color Name/No.
GL-1 (insulated)	Match adjacent Lab/Warehouse Building
GL-2 (insulated spandrel)	Match adjacent Lab/Warehouse Building

2.6 DIVISION 09 - FINISHES (REFER TO DRAWINGS SHEET AE-601 - FINISH SCHEDULE)**2.7 DIVISION 10 - SPECIALTIES**

A. Section 10 44 13, FIRE EXTINGUISHER CABINETS

Component	Material	Finish
Door Face	Paint	Match Wall color

PART 3 - EXECUTION**3.1 FINISH SCHEDULES & MISCELLANEOUS ABBREVIATIONS**

FINISH SCHEDULE & MISCELLANEOUS ABBREVIATIONS	
Term	Abbreviation
Access Flooring	AF
Accordion Folding Partition	AFP
Acoustical Ceiling	AT
Acoustical Ceiling, Special Faced	AT (SP)
Acoustical Metal Pan Ceiling	AMP
Acoustical Wall Panel	AWP
Acoustical Wall Treatment	AWT
Acoustical Wallcovering	AWF
Anodized Aluminum Colored	AAC
Anodized Aluminum Natural Finish	AA
Baked On Enamel	BE
Brick Face	BR
Brick Flooring	BF
Brick Paving	BP
Carpet	CP
Carpet Athletic Flooring	CAF
Carpet Module Tile	CPT
Ceramic Glazed Facing Brick	CGFB
Ceramic Mosaic Tile	FTCT
Concrete	C
Concrete Masonry Unit	CMU
Divider Strips Marble	DS MB

Epoxy Coating	EC
Epoxy Resin Flooring	ERF
Existing	E
Exposed Divider Strips	EXP
Exterior	EXT
Exterior Finish System	EFS
Exterior Paint	EXT-P
Exterior Stain	EXT-ST
Fabric Wallcovering	WF
Facing Tile	SCT
Feature Strips	FS
Floor Mats & Frames	FM
Floor Tile, Mosaic	FT
Fluorocarbon	FC
Folding Panel Partition	FP
Foot Grille	FG
Glass Masonry Unit	GUMU
Glazed Face CMU	GCMU
Glazed Structural Facing Tile	SFTU
Granite	GT
Gypsum Wallboard	GWB
High Glazed Coating	SC
Latex Mastic Flooring	LM
Linear Metal Ceiling	LMC
Linear Wood Ceiling	LWC
Marble	MB
Material	MAT
Mortar	M
Multi-Color Coating	MC
Natural Finish	NF
Paint	P
Paver Tile	PVT
Perforated Metal Facing	PMF

(Tile or Panels)	
Plaster	PL
Plaster High Strength	HSPL
Plaster Keene Cement	KC
Plastic Laminate	HPDL
Polypropylene Fabric Wallcovering	PFW
Porcelain Paver Tile	PPT
Quarry Tile	QT
Radiant Ceiling Panel System	RCP
Resilient Stair Tread	RST
Rubber Base	RB
Rubber Tile Flooring	RT
Spandrel Glass	SLG
Stain	ST
Stone Flooring	SF
Structural Clay	SC
Suspension Decorative Grids	SDG

Grids	
Terrazzo Portland Cement	PCT
Terrazzo Tile	TT
Terrazzo, Thin Set	
Textured Gypsum Ceiling Panel	TGC
Textured Metal Ceiling Panel	TMC
Thin set Terrazzo	TST
Veneer Plaster	VP
Vinyl Base	VB
Vinyl Coated Fabric Wallcovering	W
Vinyl Composition Tile	VCT
Vinyl Sheet Flooring	VSF
Vinyl Sheet Flooring (Welded Seams)	WSF
Wall Border	WB
Wood	WD

3.2 FINISH SCHEDULE SYMBOLS

Symbol Definition

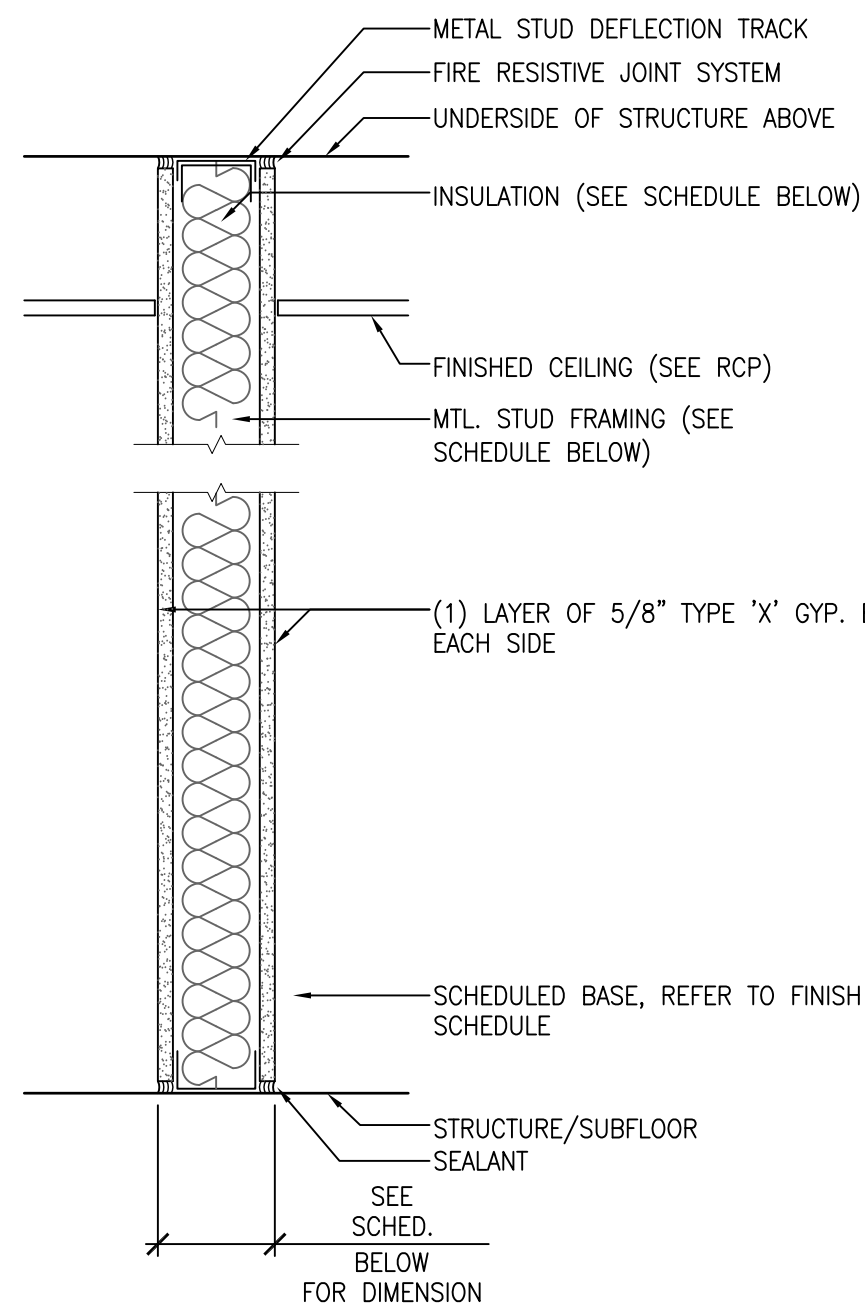
** Same finish as adjoining walls
 - No color required
 E Existing
 XX To match existing
 EFTR Existing finish to remain
 RM Remove

3.3 ROOM FINISH SCHEDULE

A. See Drawing AE-601.

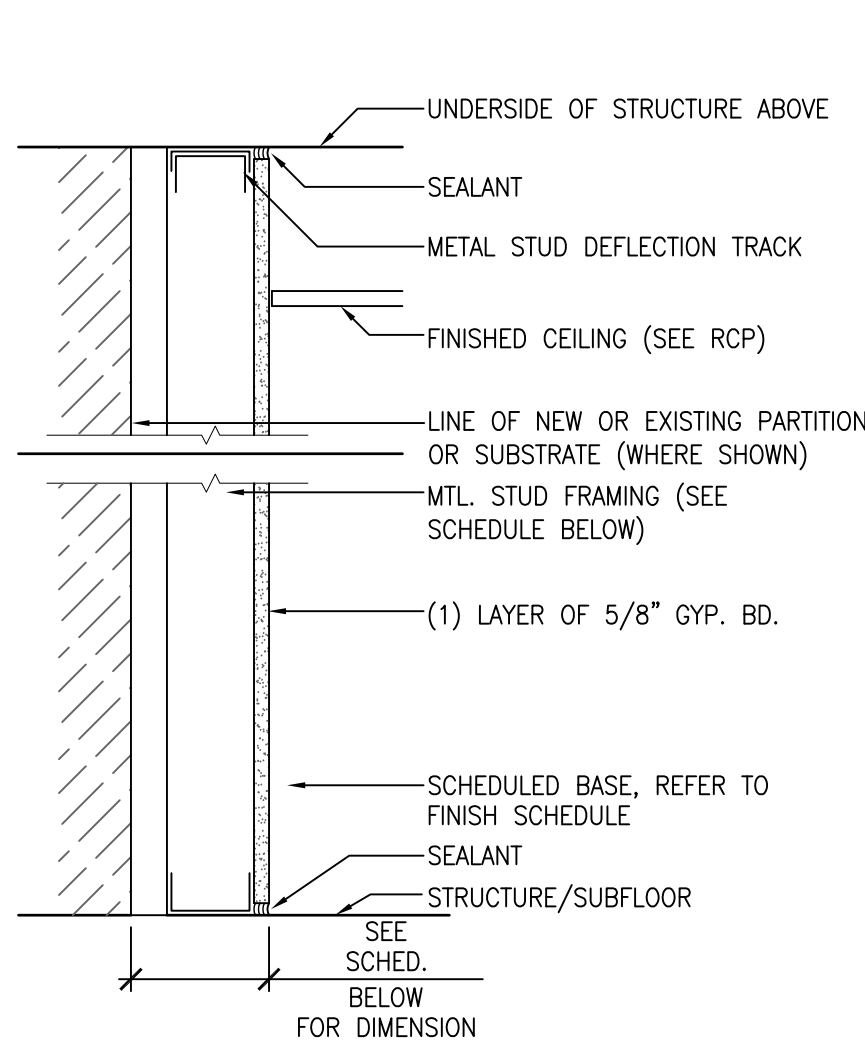
--- E N D---

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



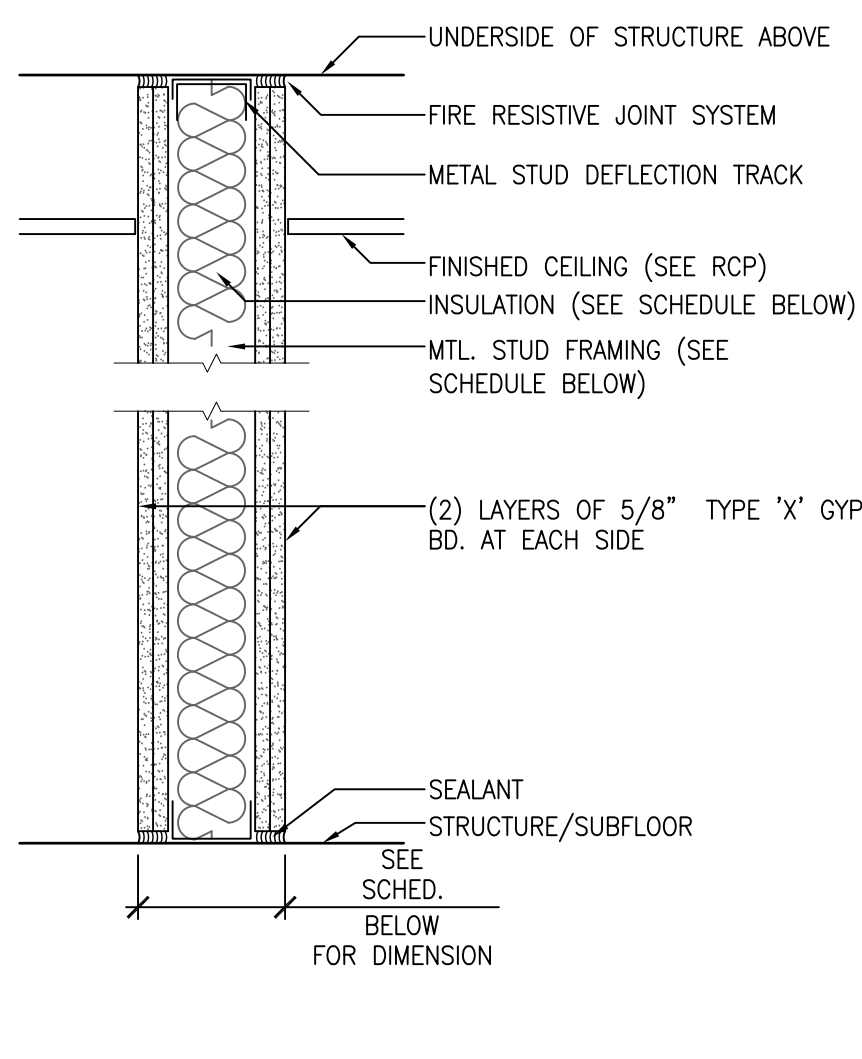
Type	Stud Size	Part. Thick.	Insul./STC	Rating/ULF	Keyed Notes
A1	3-5/8"	4-7/8"	NONE	1 HR U465	N/A
A2	3-5/8"	4-7/8"	3" THK./49	1 HR U465	

A RATED 1 HOUR UL 465
PARTITION TYPE "A" - DETAIL
SCALE: 1 1/2" = 1'-0"



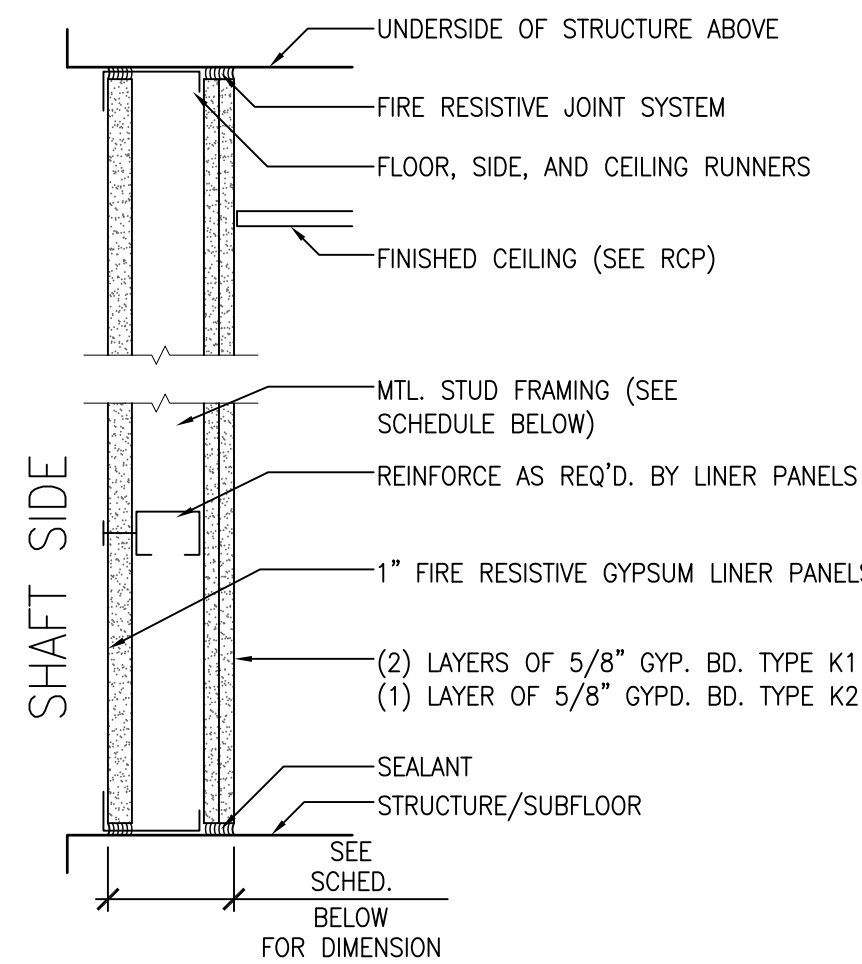
Type	Stud Size	Part. Thick.	Insul./STC	Keyed Notes
D1	1-5/8"	2-1/4"	N/A	N/A
D2	NONE	5/8"	N/A	N/A
D3	2-1/2"	3-1/8"	N/A	N/A
D4	3-5/8"	4-1/4"	N/A	N/A

D FINISH ON EXISTING SUBSTRATE
PARTITION TYPE "D" - DETAIL
SCALE: 1 1/2" = 1'-0"



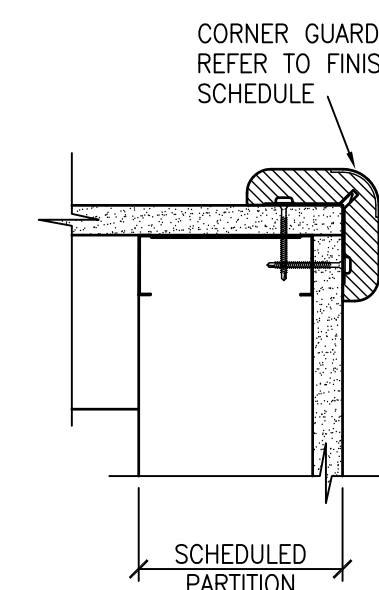
Type	Stud Size	Part. Thick.	Insul./STC	Keyed Notes
E1	3-5/8"	6-1/8"	3" THK./56	N/A

E 2 HR RATED 'UL Design U411'
PARTITION TYPE "B" - DETAIL
SCALE: 1 1/2" = 1'-0"

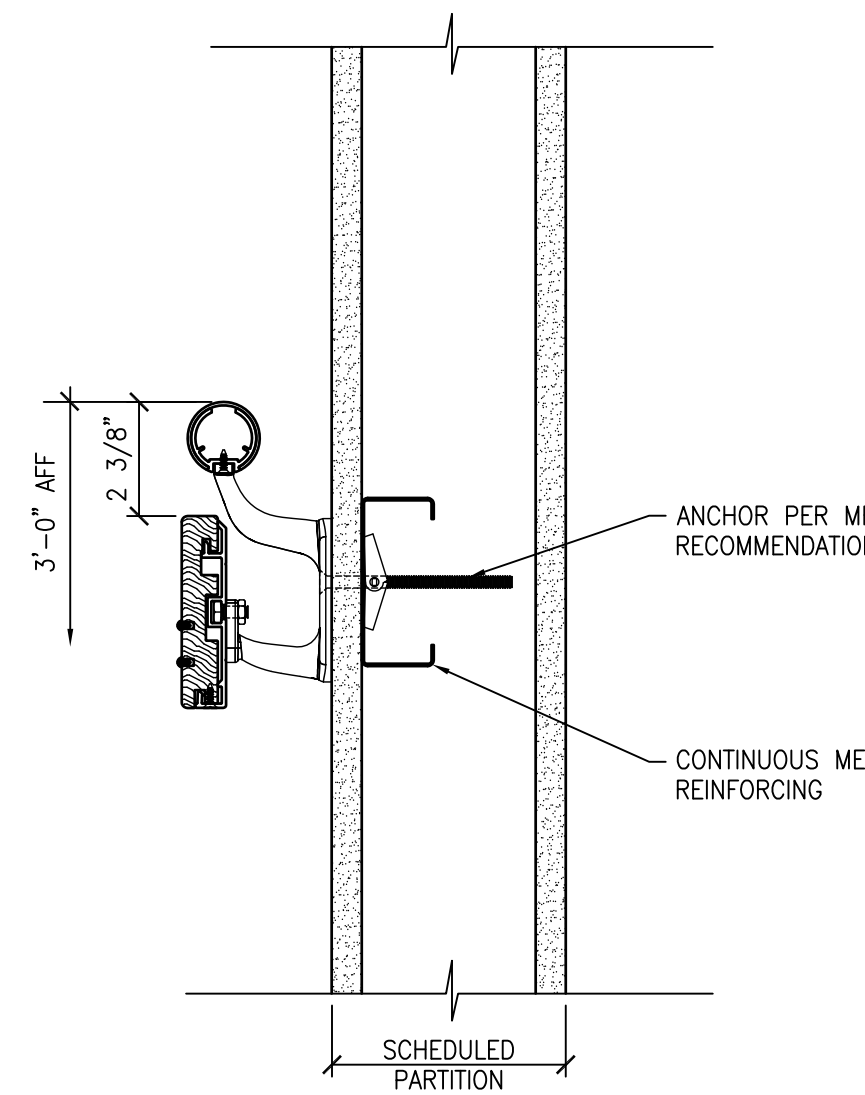


Type	Stud Size	Part. Thick.	Insul./STC	Rating/ULF	Keyed Notes
K1	2-1/2"	5-1/4"	NONE	2 HR U438	N/A
K2	2-1/2"	4-5/8"	NONE	1 HR	N/A

K RATED SHAFT WALL U438
PARTITION TYPE "K" - DETAIL
SCALE: 1 1/2" = 1'-0"



C7 DETAIL - CG-1
3"=1'-0"



C8 DETAIL - HR-1
3"=1'-0"

Interior Finish Legend	Product Type	Symbol	Manufacturer	Product Name	Color	Size	Additional Info	Amend #
Resilient Sheet Flooring	RSF-1	EcoSurfaces	ECOSand	1004 Calamari		48" roll x 3.2mm	Direct glue down, heat weld all seams	
Resinous Flooring	RF-1	Stonhard	Stonblend CSI-G	IX-CS-28B		N/A	Integral cove base, Custom color	
Vinyl Plank Flooring	WF-1	Toit	Lightwood	#1916 Natural Cherry		6" x 35.4" x .120"	Refer to Drawings for Location. Color to be approved by Architect	
Wall base	RB-1	Johnsonite	Traditional Rubber	TBD		Coved 4-1/4" tall	4-1/4 in 120 ft length	
Wall base	RB-2	Johnsonite	Perceptions Designer Cove Wall Base	#129 Silk		Coved 4-1/4" tall	4-1/4 in 120 ft length	
Floor Transition Strip	FTS-1	Johnsonite	CTA-XX-K	#130 Sisal		3/8" x 1/8"		
Wall protection	WP-1	C/S Acrovyn	Walkcovering	TBD		48" x 96" x 0.060"	Install horizontally. J mold inside/outside (except at corner guards). Butt-mount panels.	
Wall protection	CG-1	CS Acrovyn	Corner guard - surface mounted bullnose edge	SM-10	To be selected by Architect	Full height		
Wall protection	HR-1	CS Acrovyn	Handrail	P-RAWV	Maple 004 Honey	6-3/8"	Black vinyl insert	
Paint	PT-1	Benjamin Moore	Soffits, drywall ceiling	Aura	2144-70 Snowfall White	N/A	Eggshell for ceiling soffits and drywall ceilings	
Paint	PT-2	Benjamin Moore	Field/Accent	Aura	2165-50 Pearl Harbor	N/A	Eggshell	
Paint	PT-3	Benjamin Moore	Trim/Frame & Hollow Metal Doors	Aura	2165-50 Pearl Harbor	N/A	Semi-gloss	
Wood Doors - Stain	ST-4	Benjamin Moore					Typical stain grade, AWI Quality Standard - Catalyzed Polyurethane	
Acoustical Ceiling Tile	AT-1	Armstrong	Omni #380	Beveled Regular / White		2' x 2' x 3/4"	Exposed Suspension System: Armstrong 916" Suprafine Exposed Grid, Color: White	
Acoustical Ceiling Tile	AT-2	Armstrong	Ultima #1910	Square Lay-in / White		2' x 2' x 3/4"	Exposed Suspension System: Armstrong 1516" AL Prehude Plus XL Exposed Grid, Color: White Aluminum	
Acoustical Ceiling Trim	AT-3	Armstrong	Asom - Classic	White		4" Trim Channel	Refer to drawings for locations	
Solid Surface	SS-1	Wilson Art	Gbraker	Marzipan Mirage 9130MG		3/4" thick	Material for window sills	

All items identified by Brand Name on this drawing are not done to sole source the item to that manufacturer but rather to demonstrate quality, finish, color and form. Equivalent products from other manufacturers may be submitted for owner approval after award.

Room #	Name	Floor	Wall Base	Wall	Wall Protection	Ceiling Finish	Comments	Amend#
Basement Floor								
B-G301	Corridor	RF-1, WF-1	RF-1, RB-2	GWB - PT-2	CG-1, WP-1	GWB - PT-1, AT-1	Install wall protection horizontally. Flooring RF-1 to be paired with RF-1. Flooring WF-1 to be paired with RB-2. Window sills to be SS-1	
B-G401	Corridor	RF-1	RF-1	GWB - PT-2	CG-1, WP-1	GWB - PT-1, AT-1	Install wall protection horizontally. Window sills to be SS-1	
First Floor								
I-G401	Corridor	RSF-1	RB-1	GWB - PT-2	CG-1, HR-1	GWB - PT-1, AT-2, AT-3	Paint metal handrails PT-3.	

SCHEDULE FOR FINISHES
SCALE: NTS

AMENDMENT #3	9/18/12
Revisions	Date

CONSULTANTS:



ARCHITECT/ENGINEERS:

**Westlake
Reed
Leskosky**

925 Euclid Avenue, Suite 1900, Cleveland, Ohio 44115
216.522.1350
Phoenix - Washington - Cleveland
WRL Commission #09017.00

Drawing Title
**INTERIOR PARTITION SCHEDULE,
FINISH SCHEDULE**

Approved: Project Director

Project Title
**Wade Park
Extension Corridor**

Location
Cleveland, Ohio

Date
August 24, 2012

Checked

Drawn

Project Number
541-12-110

Building Number
-

Drawing Number
AE-601

Dwg. of

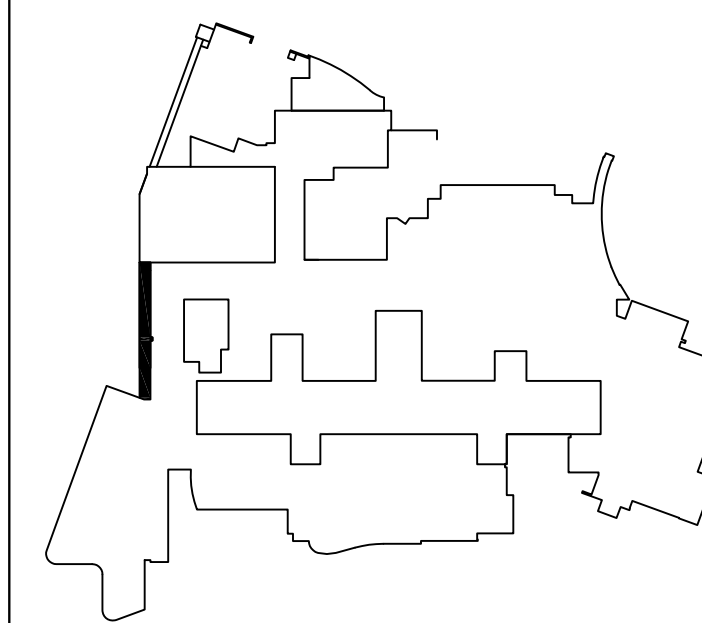
Office of
Facilities
Management



NOTES:

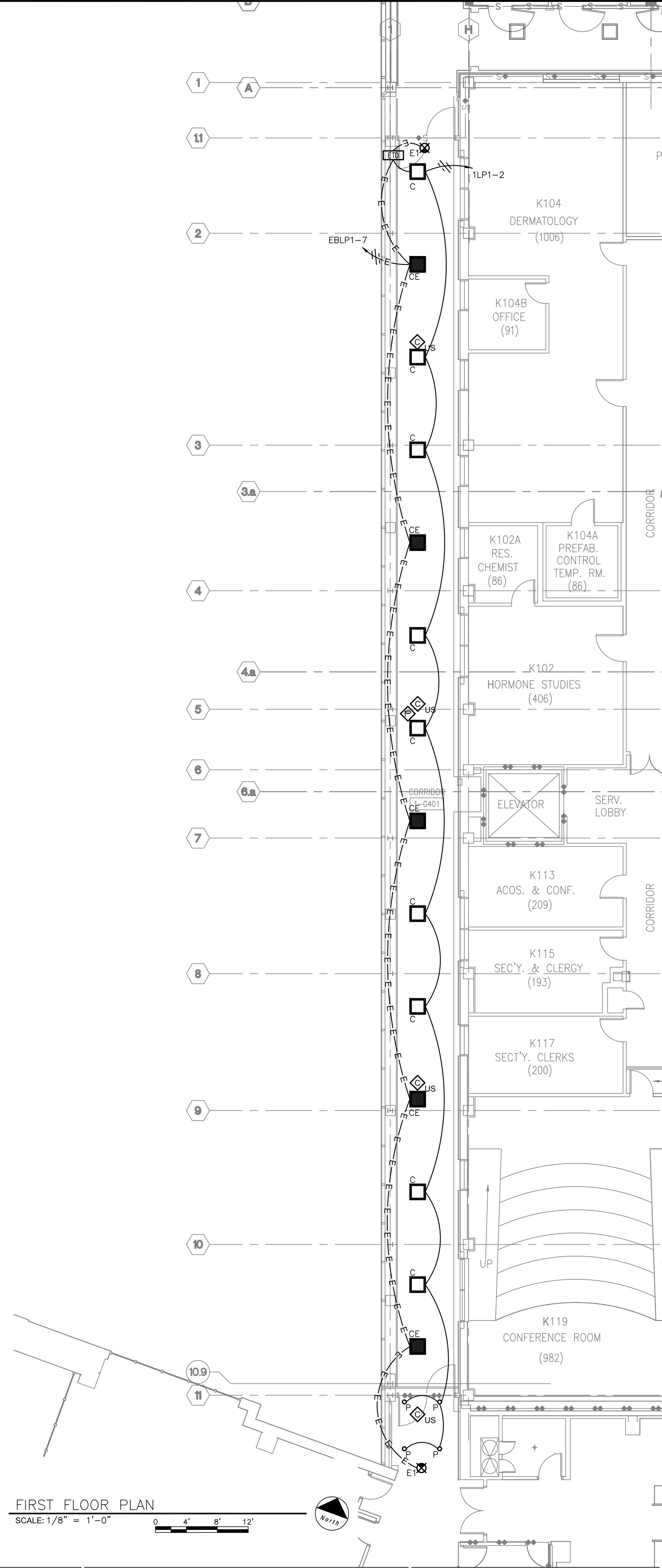
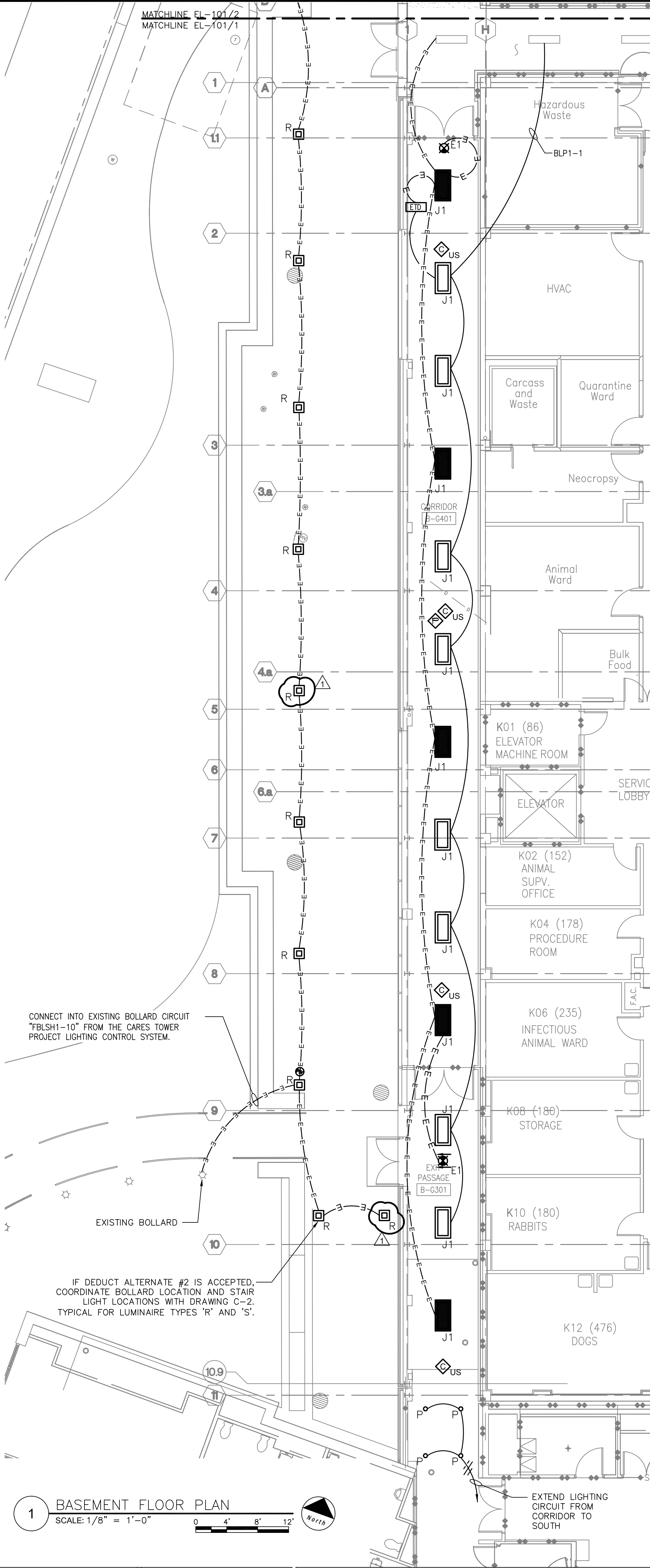
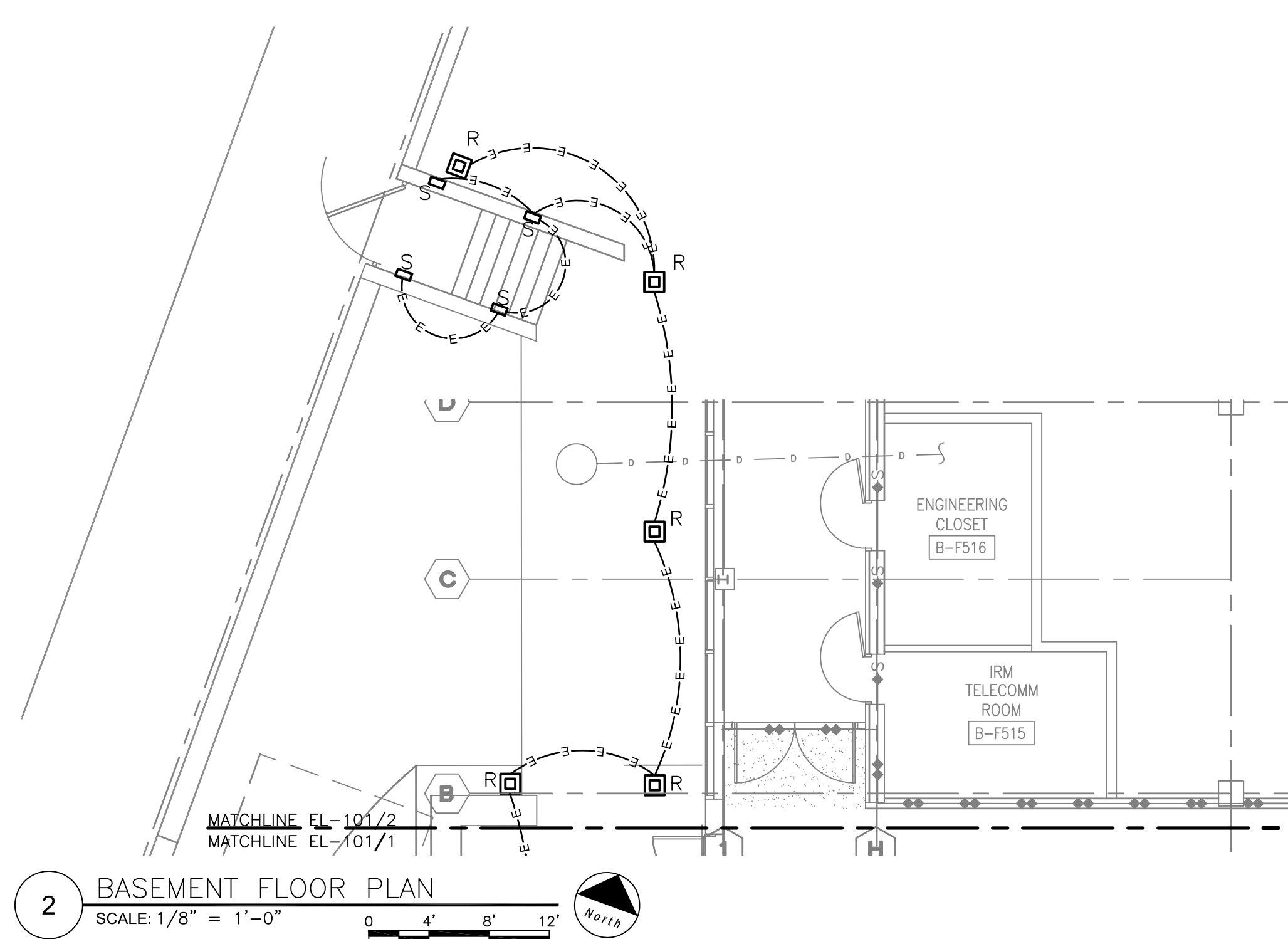
Partition Notes

KEY PLAN



**BIDDING
FULLY SPRINKLERED**

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



NOTES:

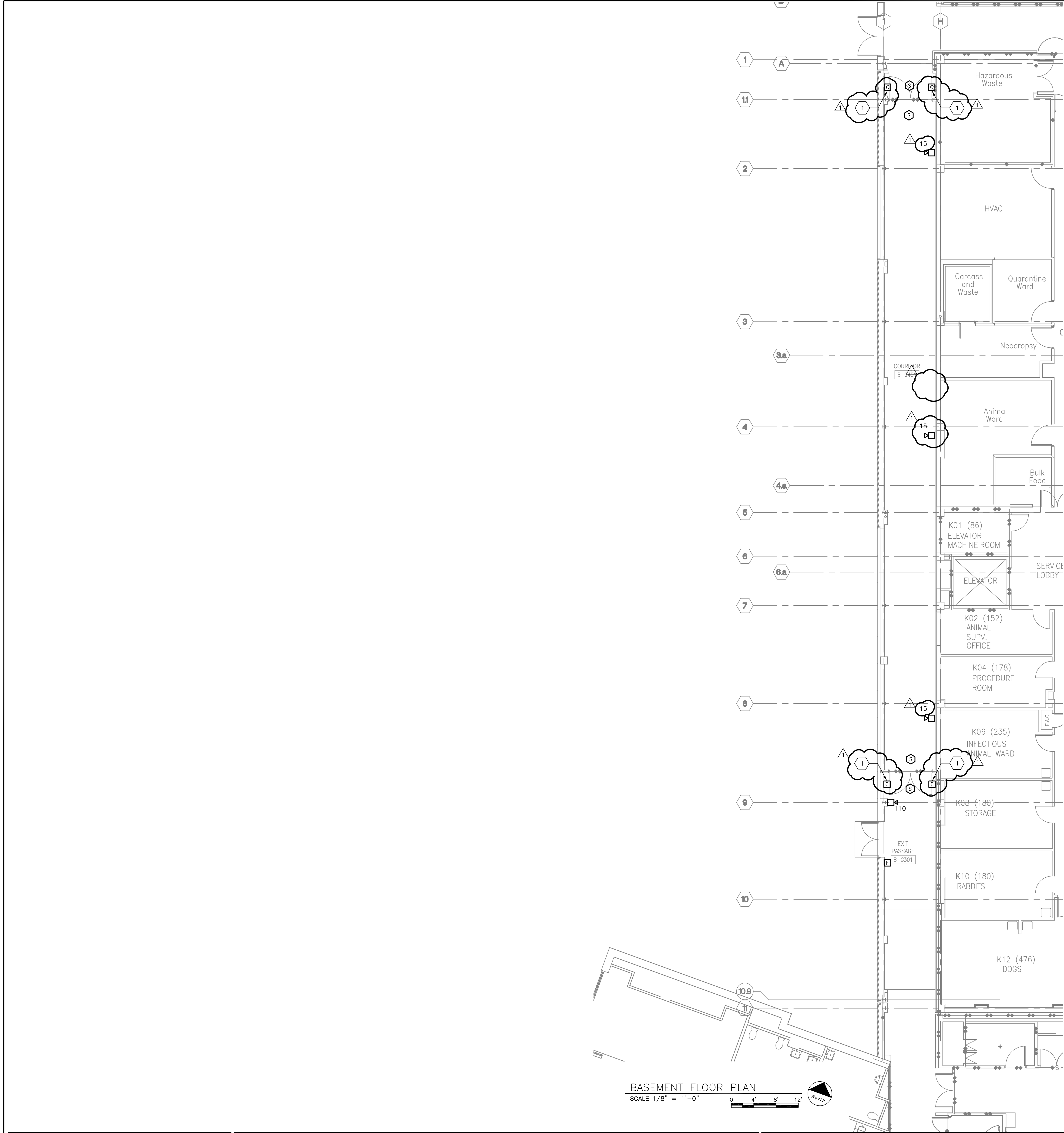
KEY PLAN NTS NORTH

BIDDING FULLY SPRINKLERED

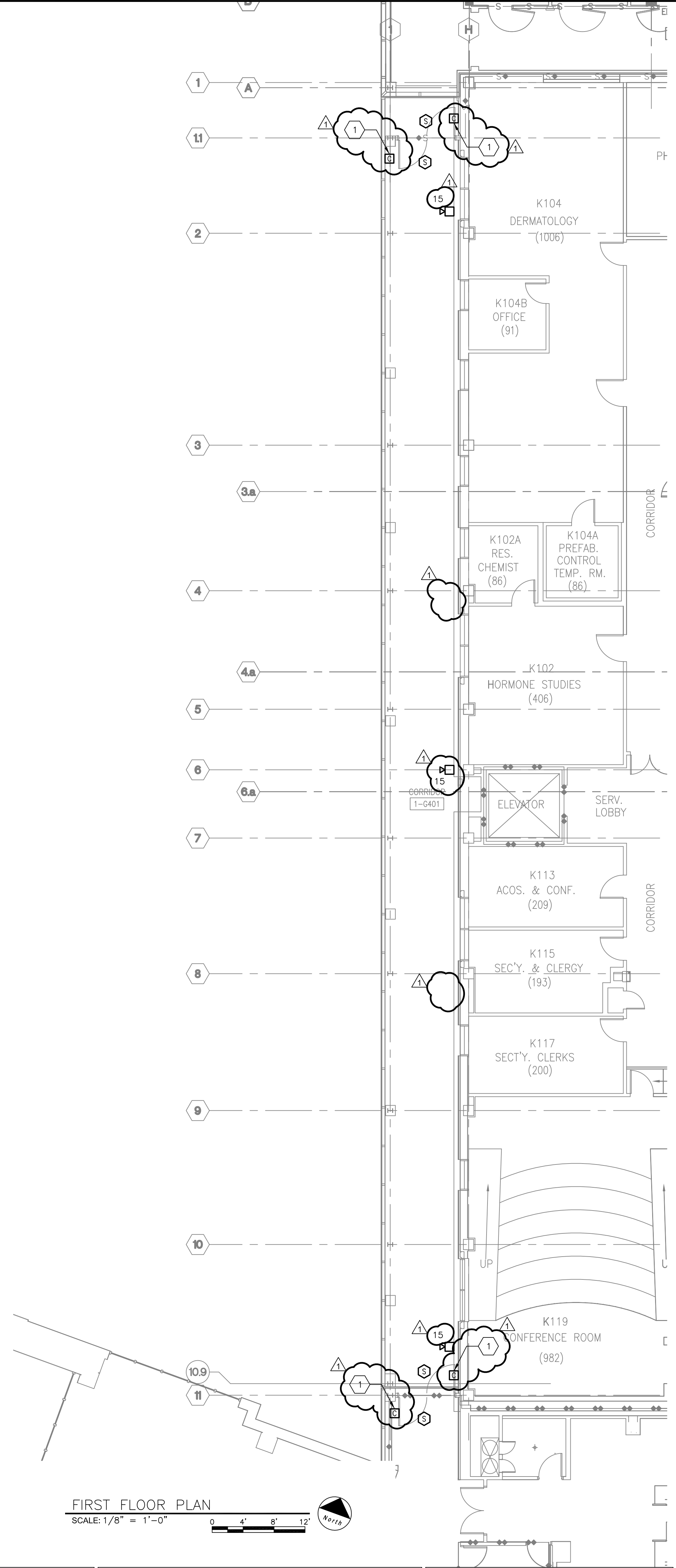
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Location Cleveland, Ohio	Building Number -	
Date August 24, 2012	Drawing Number EL-101	
Checked	Drawn	Dwg. of

		CONSULTANTS:			ARCHITECT/ENGINEERS:		Drawing Title ELECTRICAL LIGHTING FLOOR PLANS		Project Title Wade Park Extension Corridor		Project Number 541-12-110		Office of Facilities Management	
					Westlake Reed Leskosky 925 Euclid Avenue, Suite 1900, Cleveland, Ohio 44115 216.522.1350 Phoenix - Washington - Cleveland WRL Commission #09017.00		Approved Project Director		Location Cleveland, Ohio		Building Number -			
								Date August 24, 2012		Checked		Dwg. of		
AMENDMENT #3		Revisions:												Department of Veterans Affairs

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

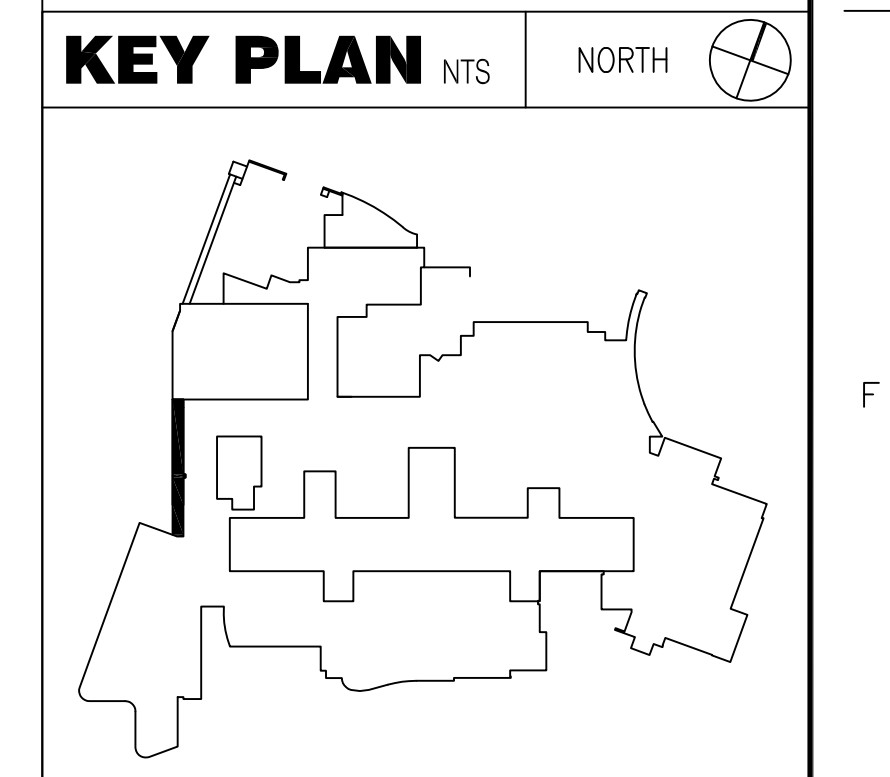


FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTES:

Key Notes

1. PROVIDE CONDUIT, WIRING AND OTHER EQUIPMENT AS REQUIRED TO CONNECT CONTROL MODULE TO ELECTROMAGNETIC DOOR HOLDER/RELEASE DEVICE FOR FIRE ALARM SYSTEM RELEASE OPERATION (NOT SHOWN).



**BIDDING
FULLY SPRINKLERED**

Project Number
541-12-110

Building Number
-

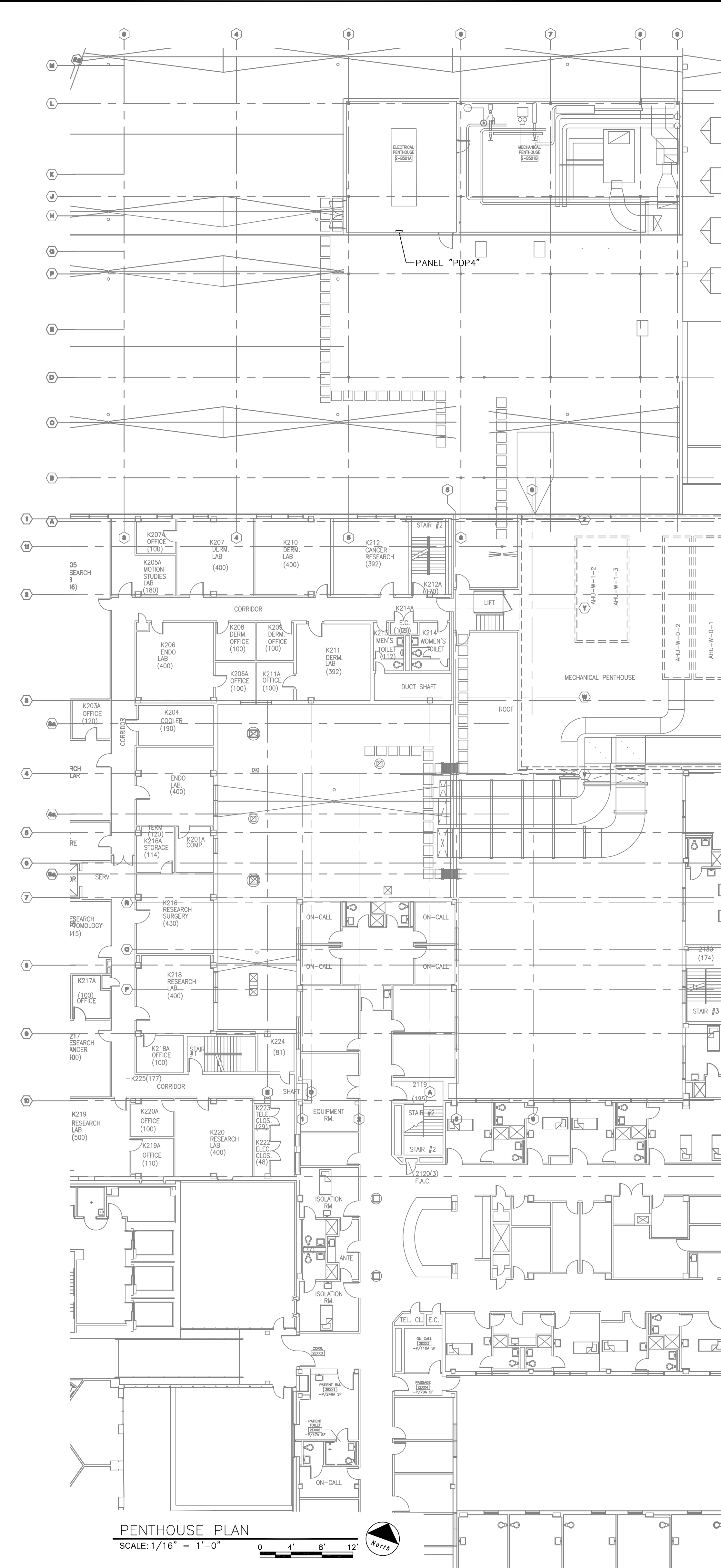
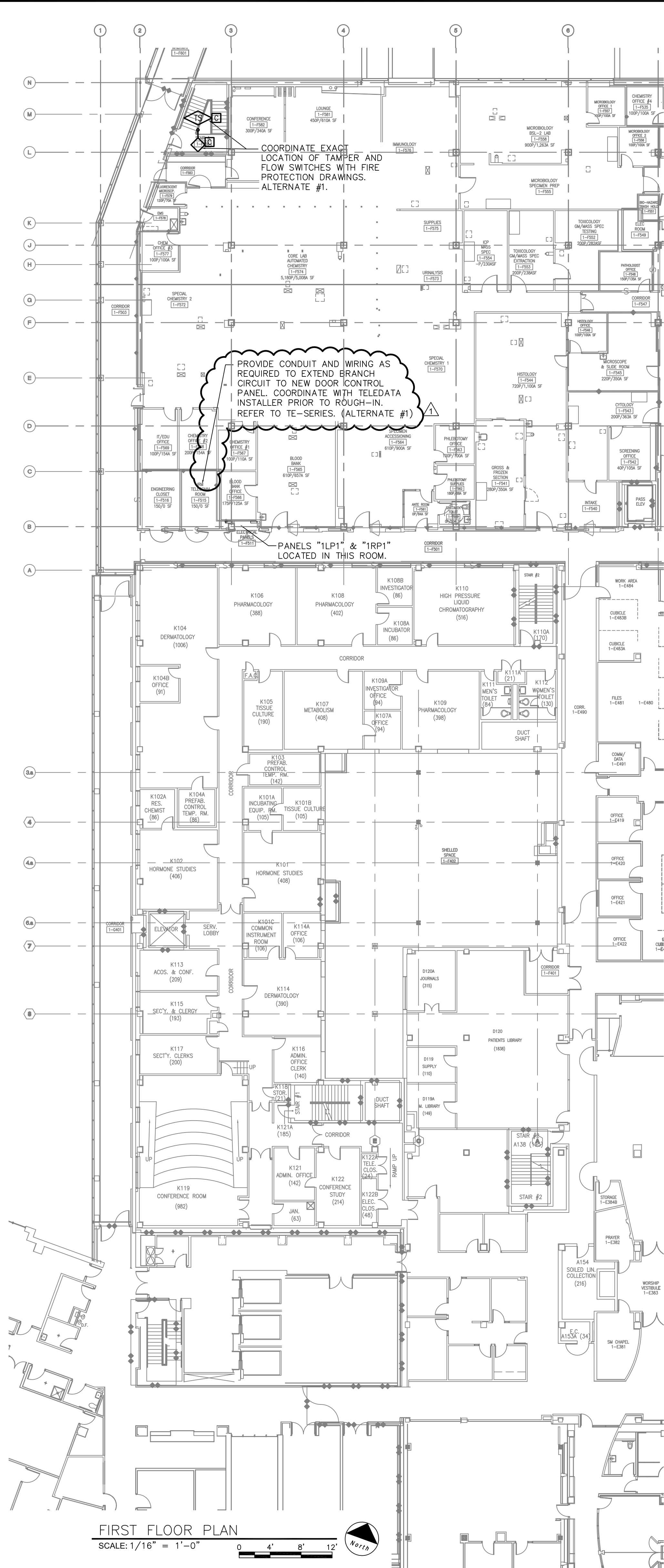
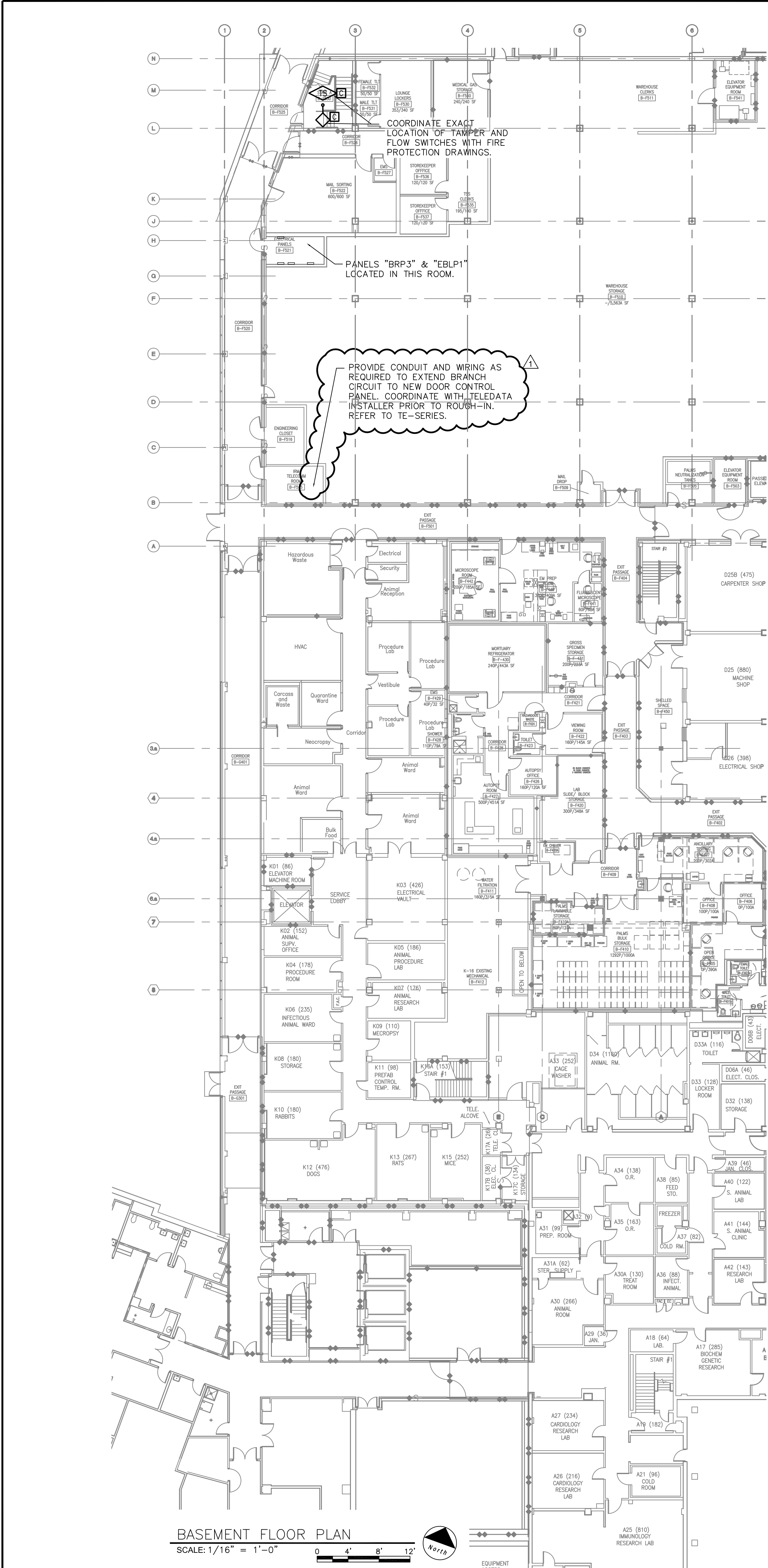
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Office of
Facilities
Management

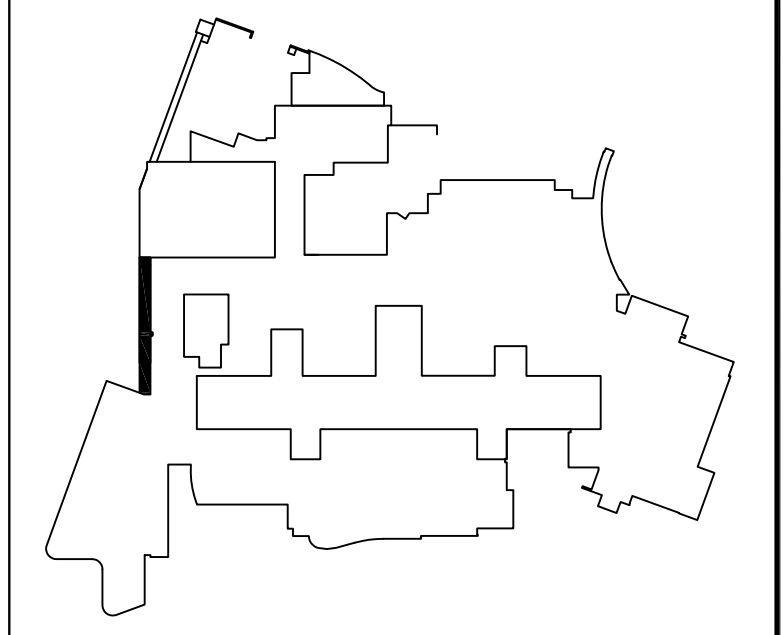
Department of
Veterans Affairs

CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		Office of Facilities Management	
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				925 Euclid Avenue, Suite 1900, Cleveland, Ohio 44115		Approved Project Director		Location Cleveland, Ohio		Department of Veterans Affairs	
				216.522.1350				Drawing Number			
				Phoenix - Washington - Cleveland				Date August 24, 2012			
				WRL Commission #09017.00				Checked			
								Drawn			
								Dwg. of			





NOTES:

KEY PLAN NTS NORTH



BIDDING FULLY SPRINKLERED

		CONSULTANTS:				ARCHITECT/ENGINEERS:		Drawing Title ELECTRICAL PANEL LOCATIONS		Project Title Wade Park Extension Corridor		Project Number 541-12-110		<div>Office of Facilities Management</div> <div> Department of Veterans Affairs</div>	
						925 Euclid Avenue, Suite 1900, Cleveland, Ohio 44115		Approved Project Director		Location Cleveland, Ohio		E-401			
						216.522.1350 Phoenix - Washington - Cleveland WRL Commission #09017.00				Date August 24, 2012		Checked Drawn Dwg. of			
<div>AMENDMENT #3</div> <div>Revisions:</div>		09/18/2012		Date											