### BOARD OF GOVERNORS OF THE

## Federal Reserve System

SOA 200900768

# Specifications 35% Submission September 15, 2010

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### **DIVISION 01 - GENERAL REQUIREMENTS**

01732 – SELECTIVE DEMOLITION 017419 – CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

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#### SECTION 01732 - SELECTIVE DEMOLITION

#### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

#### A. Section Includes:

- 1. Demolition and removal of selected portions of building or structure.
- 2. Salvage of existing items to be recycled.

#### B. Related Requirements:

1. Section 01100 "Summary" for restrictions on the use of the premises, Owner-occupancy requirements, and phasing requirements.

#### 1.3 DEFINITIONS

- A. Remove: Detach items from existing construction and legally dispose of them off-site unless indicated to be removed and reinstalled.
- B. Remove and Reinstall: Detach items from existing construction, prepare for reuse, and reinstall where indicated.
- C. Existing to Remain: Existing items of construction that are not to be permanently removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

#### 1.4 MATERIALS OWNERSHIP

A. Unless otherwise indicated, demolition waste becomes property of Contractor.

#### 1.5 PREINSTALLATION MEETINGS

- A. Predemolition Conference: Conduct conference at Project site.
  - 1. Inspect and discuss condition of construction to be selectively demolished.
  - 2. Review structural load limitations of existing structure.

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- 3. Review and finalize selective demolition schedule and verify availability of materials, demolition personnel, equipment, and facilities needed to make progress and avoid delays.
- 4. Review requirements of work performed by other trades that rely on substrates exposed by selective demolition operations.
- 5. Review areas where existing construction is to remain and requires protection.

#### 1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For refrigerant recovery technician.
- B. Proposed Protection Measures: Submit report, including drawings, that indicates the measures proposed for protecting individuals and property, for environmental protection, for dust control and, for noise control. Indicate proposed locations and construction of barriers.
- C. Schedule of Selective Demolition Activities: Indicate the following:
  - 1. Detailed sequence of selective demolition and removal work, with starting and ending dates for each activity. Ensure Owner's and tenants' on-site operations are uninterrupted.
  - 2. Interruption of utility services. Indicate how long utility services will be interrupted.
  - 3. Coordination for shutoff, capping, and continuation of utility services.
  - 4. Use of elevator and stairs.
  - 5. Coordination of Owner's continuing occupancy of portions of existing building and of Owner's partial occupancy of completed Work.
- D. Inventory: Submit a list of items to be removed and deliver to Owner prior to start of demolition.
- E. Predemolition Photographs or Video: Submit before Work begins.
- F. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.
- G. Warranties: Documentation indicated that existing warranties are still in effect after completion of selective demolition.

#### 1.7 CLOSEOUT SUBMITTALS

- A. Inventory: Submit a list of items that have been removed.
- B. Landfill Records: Indicate receipt and acceptance of hazardous wastes by a landfill facility licensed to accept hazardous wastes.

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#### 1.8 QUALITY ASSURANCE

A. Refrigerant Recovery Technician Qualifications: Certified by an EPA-approved certification program.

#### 1.9 FIELD CONDITIONS

- A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.
- B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
- D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
  - 1. Hazardous materials will be removed by Owner before start of the Work.
  - 2. If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- E. Hazardous Materials: Hazardous materials are present in buildings and structures to be selectively demolished. A report on the presence of hazardous materials is on file for review and use. Examine report to become aware of locations where hazardous materials are present.
  - 1. Hazardous material remediation is specified elsewhere in the Contract Documents.
  - 2. Do not disturb hazardous materials or items suspected of containing hazardous materials except under procedures specified elsewhere in the Contract Documents.
  - 3. Owner will provide material safety data sheets for suspected hazardous materials that are known to be present in buildings and structures to be selectively demolished because of building operations or processes performed there.
- F. Storage or sale of removed items or materials on-site is not permitted.
- G. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
  - 1. Maintain fire-protection facilities in service during selective demolition operations.

#### 1.10 WARRANTY

- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials so as not to void existing warranties. Notify warrantor before proceeding. Existing warranties include the following:
  - 1. < Insert warranted system>.

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B. Notify warrantor on completion of selective demolition, and obtain documentation verifying that existing system has been inspected and warranty remains in effect. Submit documentation at Project closeout.

#### PART 2 - PRODUCTS

#### 2.1 PEFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ANSI/ASSE A10.6 and NFPA 241.

#### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting selective demolition operations.
- B. Review record documents of existing construction provided by Owner. Owner does not guarantee that existing conditions are same as those indicated in record documents.
- C. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.
- D. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to Architect.
- E. Survey of Existing Conditions: Record existing conditions by use of measured drawings, preconstruction photographs or preconstruction videotapes.
  - 1. Comply with requirements specified in Section 01322 "Photographic Documentation."
  - 2. Inventory and record the condition of items to be removed. Provide photographs or video of conditions that might be misconstrued as damage caused by salvage operations.
  - 3. Before selective demolition or removal of existing building elements that will be reproduced or duplicated in final Work, make permanent record of measurements, materials, and construction details required to make exact reproduction.

#### 3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

A. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them against damage.

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- 1. Comply with requirements for existing services/systems interruptions specified in Section 01100 "Summary."
- B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off indicated utility services and mechanical/electrical systems serving areas to be selectively demolished.
  - 1. Owner will arrange to shut off indicated services/systems when requested by Contractor.
  - 2. Arrange to shut off indicated utilities with utility companies.
  - 3. If services/systems are required to be removed, relocated, or abandoned, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of building.
  - 4. Disconnect, demolish, and remove fire-suppression systems, plumbing, and HVAC systems, equipment, and components indicated to be removed.
    - a. Piping to Be Removed: Remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material.
    - b. Piping to Be Abandoned in Place: Drain piping and cap or plug piping with same or compatible piping material.
    - c. Equipment to Be Removed: Disconnect and cap services and remove equipment.
    - d. Equipment to Be Removed and Reinstalled: Disconnect and cap services and remove, clean, and store equipment; when appropriate, reinstall, reconnect, and make equipment operational.
    - e. Equipment to Be Removed and Salvaged: Disconnect and cap services and remove equipment and deliver to Owner.
    - f. Ducts to Be Removed: Remove portion of ducts indicated to be removed and plug remaining ducts with same or compatible ductwork material.
    - g. Ducts to Be Abandoned in Place: Cap or plug ducts with same or compatible ductwork material.
- C. Refrigerant: Remove refrigerant from mechanical equipment to be selectively demolished according to 40 CFR 82 and regulations of authorities having jurisdiction.

#### 3.3 PREPARATION

- A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
  - 1. Comply with requirements for access and protection specified in Section 01500 "Temporary Facilities and Controls."
- B. Temporary Facilities: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
  - 1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of building.
  - 2. Provide temporary weather protection, during interval between selective demolition of existing construction on exterior surfaces and new construction, to prevent water leakage and damage to structure and interior areas.

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- 3. Protect walls, ceilings, floors, and other existing finish work that are to remain or that are exposed during selective demolition operations.
- 4. Cover and protect furniture, furnishings, and equipment that have not been removed.
- 5. Comply with requirements for temporary enclosures, dust control, heating, and cooling specified in Section 01500 "Temporary Facilities and Controls."
- C. Temporary Shoring: Provide and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.
  - 1. Strengthen or add new supports when required during progress of selective demolition.

#### 3.4 SELECTIVE DEMOLITION, GENERAL

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
  - 1. Proceed with selective demolition systematically, from higher to lower level. Complete selective demolition operations above each floor or tier before disturbing supporting members on the next lower level.
  - 2. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.
  - 3. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
  - 4. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain fire watch and portable fire-suppression devices during flame-cutting operations.
  - 5. Maintain adequate ventilation when using cutting torches.
  - 6. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
  - 7. Remove structural framing members and lower to ground by method suitable to avoid free fall and to prevent ground impact or dust generation.
  - 8. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
  - 9. Dispose of demolished items and materials promptly. Comply with requirements in Section 01732 "Construction Waste Management and Disposal."
- B. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.

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#### 3.5 SELECTIVE DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS

- A. Concrete: Demolish in small sections. Using power-driven saw, cut concrete to a depth of at least 3/4 inch (19 mm) at junctures with construction to remain. Dislodge concrete from reinforcement at perimeter of areas being demolished, cut reinforcement, and then remove remainder of concrete. Neatly trim openings to dimensions indicated.
- B. Concrete: Demolish in sections. Cut concrete full depth at junctures with construction to remain and at regular intervals using power-driven saw, then remove concrete between saw cuts.
- C. Masonry: Demolish in small sections. Cut masonry at junctures with construction to remain, using power-driven saw, then remove masonry between saw cuts.
- D. Concrete Slabs-on-Grade: Saw-cut perimeter of area to be demolished, then break up and remove.
- E. Resilient Floor Coverings: Remove floor coverings and adhesive according to recommendations in RFCI's "Recommended Work Practices for the Removal of Resilient Floor Coverings." Do not use methods requiring solvent-based adhesive strippers.

#### 3.6 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Except for items or materials indicated to be recycled, reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, remove demolished materials from Project site and legally dispose of them in an EPA-approved landfill.
  - 1. Do not allow demolished materials to accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
  - 3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
  - 4. Comply with requirements specified in Section 01732 "Construction Waste Management and Disposal."
- B. Burning: Do not burn demolished materials.
- C. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

#### 3.7 CLEANING

A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION 01732

#### SECTION 017419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

#### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for the following:
  - 1. Recycling nonhazardous demolition and construction waste.
  - 2. Disposing of nonhazardous demolition and construction waste.

#### B. Related Requirements:

1. Section 01732 "Selective Demolition" for disposition of waste resulting from partial demolition of buildings and structures.

#### 1.3 DEFINITIONS

- A. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.
- B. Demolition Waste: Building and site improvement materials resulting from demolition or selective demolition operations.
- C. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.
- D. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.

#### 1.4 PERFORMANCE REQUIREMENTS

A. General: Achieve end-of-Project rates for salvage/recycling of 75 percent by weight of total non-hazardous solid waste generated by the Work. Practice efficient waste management in the use of materials in the course of the Work. Use all reasonable means to divert construction and demolition waste from landfills and incinerators. Facilitate recycling and salvage of materials, including the following:

#### 1. Demolition Waste:

- a. Concrete.
- b. Concrete reinforcing steel.
- c. Brick.
- d. Concrete masonry units.
- e. Plywood and oriented strand board.
- f. Wood trim.
- g. Structural and miscellaneous steel.
- h. Rough hardware.
- i. Insulation.
- j. Doors and frames.
- k. Door hardware.
- 1. Windows.
- m. Glazing.
- n. Metal studs.
- o. Gypsum board.
- p. Acoustical tile and panels.
- q. Carpet.
- r. Carpet Pad.
- s. Demountable partitions.
- t. Equipment.
- u. Cabinets.
- v. Plumbing fixtures.
- w. Plumbing Piping.
- x. Mechanical Piping.
- y. Supports and hangers.
- z. Valves.
- aa. Sprinklers.
- bb. Mechanical equipment.
- cc. Ductwork.
- dd. Refrigerants.
- ee. Electrical conduit.
- ff. Copper wiring.
- gg. Lighting fixtures.
- hh. Lamps.
- ii. Ballasts.
- jj. Electrical devices.
- kk. Switchgear and panelboards.
- 11. Transformers.

#### 2. Construction Waste:

- a. Masonry and CMU.
- b. Lumber.
- c. Wood sheet materials.
- d. Wood trim.
- e. Metals.
- f. Insulation.
- g. Carpet.
- h. Gypsum board.
- i. Piping.

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- j. Electrical conduit.
- k. Packaging: Regardless of salvage/recycle goal indicated in "General" Paragraph above, salvage or recycle 100 percent of the following uncontaminated packaging materials:
  - 1) Paper.
  - 2) Cardboard.
  - 3) Boxes.
  - 4) Plastic sheet and film.
  - 5) Polystyrene packaging.
  - 6) Wood crates.
  - 7) Plastic pails.

#### 1.5 ACTION SUBMITTALS

A. Waste Management Plan: Submit plan within 14 days of date established for commencement of the Work.

#### 1.6 INFORMATIONAL SUBMITTALS

- A. Waste Reduction Progress Reports: Concurrent with each Application for Payment, submit report. Include the following information:
  - 1. Material category.
  - 2. Generation point of waste.
  - 3. Total quantity of waste in tons.
  - 4. Quantity of waste salvaged, both estimated and actual in tons.
  - 5. Quantity of waste recycled, both estimated and actual in tons.
  - 6. Total quantity of waste recovered (salvaged plus recycled) in tons.
  - 7. Total quantity of waste recovered (salvaged plus recycled) as a percentage of total waste.
- B. Waste Reduction Calculations: Before request for Substantial Completion, submit calculated end-of-Project rates for salvage, recycling, and disposal as a percentage of total waste generated by the Work.
- C. Records of Donations: Indicate receipt and acceptance of salvageable waste donated to individuals and organizations. Indicate whether organization is tax exempt.
- D. Records of Sales: Indicate receipt and acceptance of salvageable waste sold to individuals and organizations. Indicate whether organization is tax exempt.
- E. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- F. Landfill and Incinerator Disposal Records: Indicate receipt and acceptance of waste by landfills and incinerator facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.

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G. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.

#### 1.7 QUALITY ASSURANCE

- A. Waste Management Coordinator Qualifications: Experienced firm, with a record of successful waste management coordination of projects with similar requirements.
- B. Refrigerant Recovery Technician Qualifications: Certified by EPA-approved certification program.
- C. Regulatory Requirements: Comply with hauling and disposal regulations of authorities having jurisdiction.

#### 1.8 WASTE MANAGEMENT PLAN

- A. General: Develop a waste management plan according to ASTM E 1609 and requirements in this Section. Plan shall consist of waste identification, waste reduction work plan, and cost/revenue analysis. Indicate quantities by weight or volume, but use same units of measure throughout waste management plan.
- B. Waste Identification: Indicate anticipated types and quantities of waste generated by the Work. Include estimated quantities and assumptions for estimates.
- C. Waste Reduction Work Plan: List each type of waste and whether it will be recycled or disposed of in landfill or incinerator. Include points of waste generation, total quantity of each type of waste, quantity for each means of recovery, and handling and transportation procedures.
  - 1. Recycled Materials: Include list of local receivers and processors and type of recycled materials each will accept. Include names, addresses, and telephone numbers.
  - 2. Disposed Materials: Indicate how and where materials will be disposed of. Include name, address, and telephone number of each landfill and incinerator facility.
  - 3. Handling and Transportation Procedures: Include method that will be used for separating recyclable waste including sizes of containers, container labeling, and designated location where materials separation will be performed.
- D. Cost/Revenue Analysis: Indicate total cost of waste disposal as if there was no waste management plan and net additional cost or net savings resulting from implementing waste management plan. Include the following:
  - 1. Total quantity of waste.
  - 2. Estimated cost of disposal (cost per unit). Include hauling and tipping fees and cost of collection containers for each type of waste.
  - 3. Total cost of disposal (with no waste management).
  - 4. Revenue from recycled materials.
  - 5. Savings in hauling and tipping fees by donating materials.
  - 6. Savings in hauling and tipping fees that are avoided.

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- 7. Handling and transportation costs. Include cost of collection containers for each type of waste.
- 8. Net additional cost or net savings from waste management plan.

#### PART 2 - PRODUCTS (Not Used)

#### **PART 3 - EXECUTION**

#### 3.1 PLAN IMPLEMENTATION

- A. General: Implement approved waste management plan. Provide handling, containers, storage, signage, transportation, and other items as required to implement waste management plan during the entire duration of the Contract.
  - 1. Comply with operation, termination, and removal requirements in Section 015000 "Temporary Facilities and Controls."
- B. Waste Management Coordinator: Engage a waste management coordinator to be responsible for implementing, monitoring, and reporting status of waste management work plan.
- C. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work.
  - 1. Distribute waste management plan to everyone concerned within three days of submittal return
  - 2. Distribute waste management plan to entities when they first begin work on-site. Review plan procedures and locations established for salvage, recycling, and disposal.
- D. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
  - 1. Designate and label specific areas on Project site necessary for separating materials that are to be salvaged, recycled, reused, donated, and sold.
  - 2. Comply with Section 015000 "Temporary Facilities and Controls" for controlling dust and dirt, environmental protection, and noise control.

#### 3.2 RECYCLING WASTE, GENERAL

- A. General: Recycle paper and beverage containers used by on-site workers.
- B. Recycling Incentives: Revenues, savings, rebates, tax credits, and other incentives received for recycling waste materials shall accrue to Contractor.
- C. Preparation of Waste: Prepare and maintain recyclable waste materials according to recycling or reuse facility requirements. Maintain materials free of dirt, adhesives, solvents, petroleum contamination, and other substances deleterious to the recycling process.

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- D. Procedures: Separate recyclable waste from other waste materials, trash, and debris. Separate recyclable waste by type at Project site to the maximum extent practical according to approved construction waste management plan.
  - 1. Provide appropriately marked containers or bins for controlling recyclable waste until removed from Project site. Include list of acceptable and unacceptable materials at each container and bin.
    - a. Inspect containers and bins for contamination and remove contaminated materials if found.
  - 2. Stockpile processed materials on-site without intermixing with other materials. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
  - 3. Stockpile materials away from construction area. Do not store within drip line of remaining trees.
  - 4. Store components off the ground and protect from the weather.
  - 5. Remove recyclable waste from Owner's property and transport to recycling receiver or processor.

#### 3.3 RECYCLING DEMOLITION WASTE

- A. Wood Materials: Sort and stack members according to size, type, and length. Separate lumber, engineered wood products, panel products, and treated wood materials.
- B. Metals: Separate metals by type.
  - 1. Structural Steel: Stack members according to size, type of member, and length.
  - 2. Remove and dispose of bolts, nuts, washers, and other rough hardware.
- C. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in a dry location. Remove edge trim and sort with other metals. Remove and dispose of fasteners.
- D. Acoustical Ceiling Panels and Tile: Stack large clean pieces on wood pallets and store in a dry location.
- E. Metal Suspension System: Separate metal members including trim, and other metals from acoustical panels and tile and sort with other metals.
- F. Carpet and Pad: Roll large pieces tightly after removing debris, trash, adhesive, and tack strips.
  - 1. Store clean, dry carpet and pad in a closed container or trailer provided by Carpet Reclamation Agency or carpet recycler.
- G. Carpet Tile: Remove debris, trash, and adhesive.
  - 1. Stack tile on pallet and store clean, dry carpet in a closed container or trailer provided by Carpet Reclamation Agency or carpet recycler.
- H. Piping: Reduce piping to straight lengths and store by type and size. Separate supports, hangers, valves, sprinklers, and other components by type and size.

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I. Conduit: Reduce conduit to straight lengths and store by type and size.

#### 3.4 RECYCLING CONSTRUCTION WASTE

#### A. Packaging:

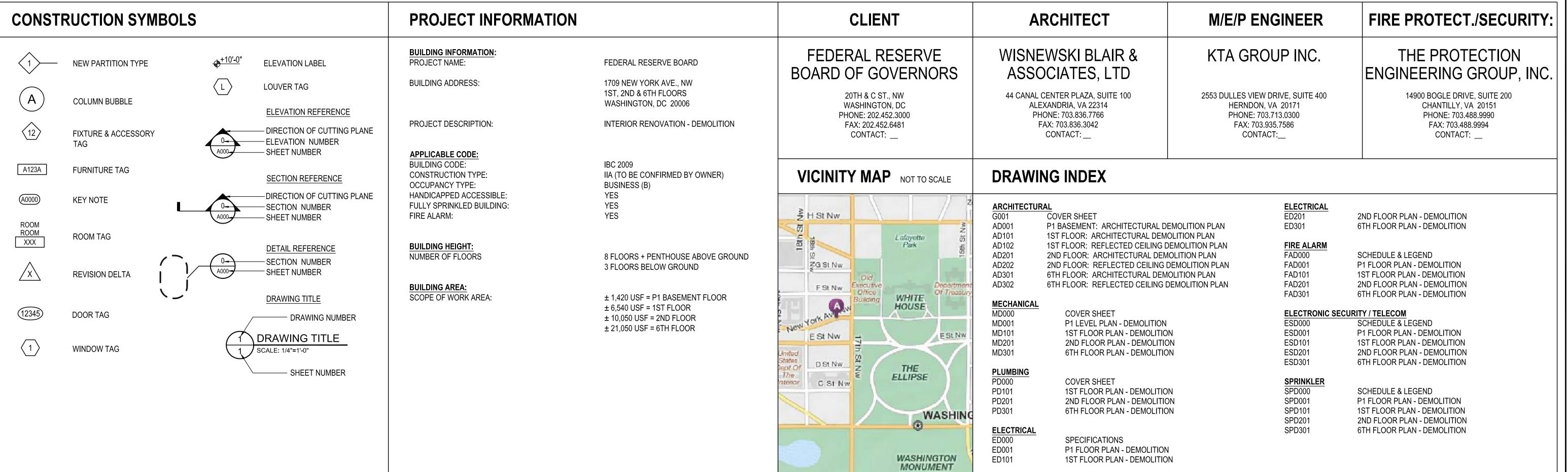
- 1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.
- 2. Polystyrene Packaging: Separate and bag materials.
- 3. Pallets: As much as possible, require deliveries using pallets to remove pallets from Project site. For pallets that remain on-site, break down pallets into component wood pieces and comply with requirements for recycling wood.
- 4. Crates: Break down crates into component wood pieces and comply with requirements for recycling wood.
- B. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in a dry location.
  - 1. Clean Gypsum Board: Grind scraps of clean gypsum board using small mobile chipper or hammer mill. Screen out paper after grinding.

#### 3.5 DISPOSAL OF WASTE

- A. General: Except for items or materials to be salvaged, recycled, or otherwise reused, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.
  - 1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn waste materials.
- C. Disposal: Remove waste materials from Owner's property and legally dispose of them.

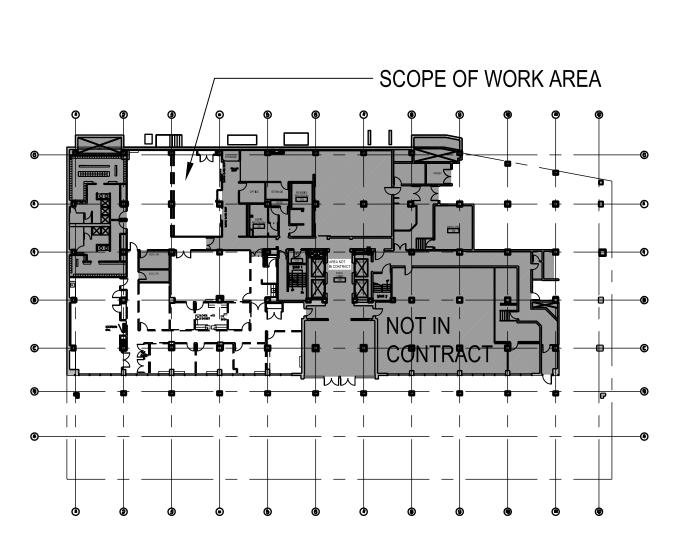
END OF SECTION 017419

# DEMOLITION PACKAGE SEPTEMBER 29, 2010

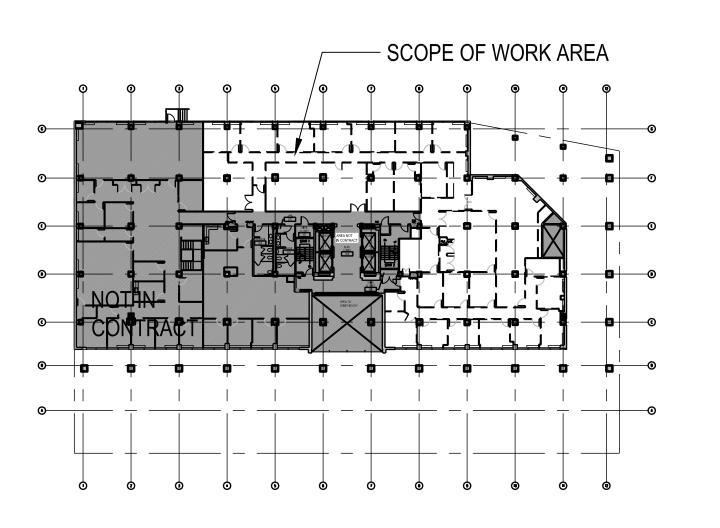


SCOPE OF WORK AREA NOT IN CONTRACT

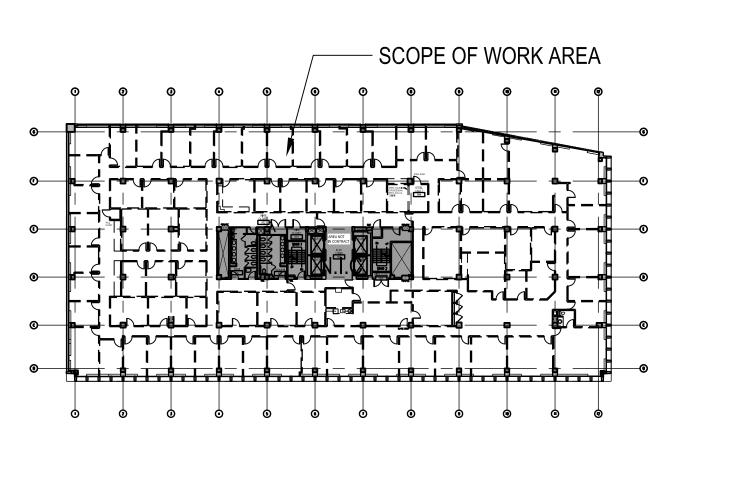
KEY PLAN: P-1 BASEMENT FLOOR SCALE: 1" = 40'-0"



KEY PLAN: 1ST FLOOR SCALE: 1" = 40'-0"



KEY PLAN: 2ND FLOOR SCALE: 1" = 40'-0"



KEY PLAN: 6TH FLOOR SCALE: 1" = 40'-0"

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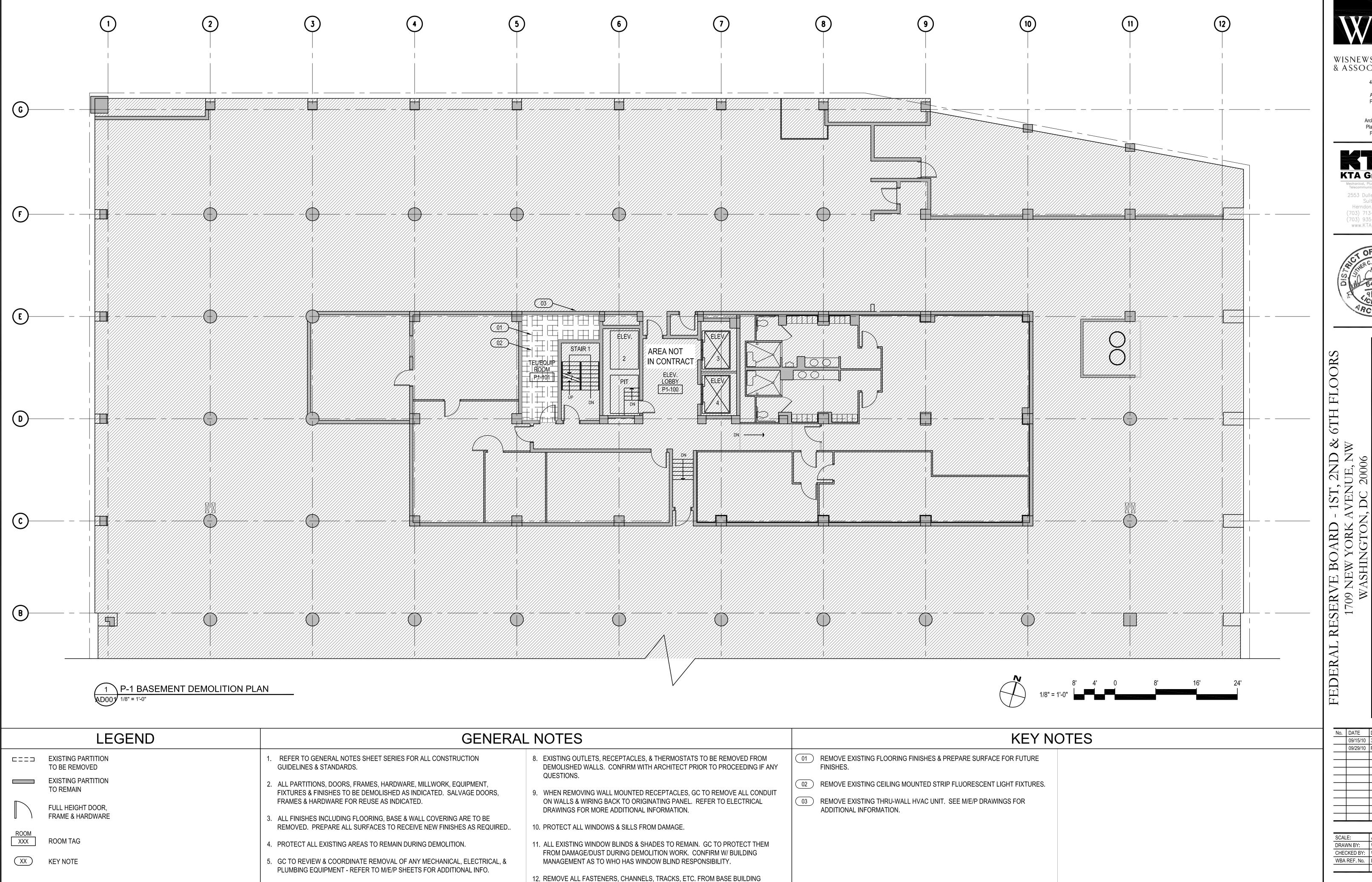
(703) 935-7586 Fax

 $\leq 8$ 

09/15/10 35% SUBMISSION

AS INDICATED CHECKED BY: WBA 

G001



WALLS THAT ARE NOT PART OF THE ORIGINAL CONSTRUCTION.

REQUIRED TO PREPARE SPACE FOR NEW CONSTRUCTION.

13. THOROUGHLY CLEAN ALL SURFACES REMAINING DURING CONSTRUCTION AS

6. BUILDING FIRE ALARM INTEGRITY SHALL BE MAINTAINED AT ALL TIMES (BEFORE,

DEMOLITION. GC TO COORDINATE WITH OWNER & INSURE THAT ELECTRICAL

7. ALL ELECTRICAL POWER MUST BE DISCONNECTED BEFORE STARTING

DISRUPTION TO ADJACENT TENANTS IS MINIMIZED.

DURING & AFTER DEMOLITION).

NOTE: ITEMS SHOWN AS DASHED ON DEMOLITION PLAN ARE TO BE REMOVED.

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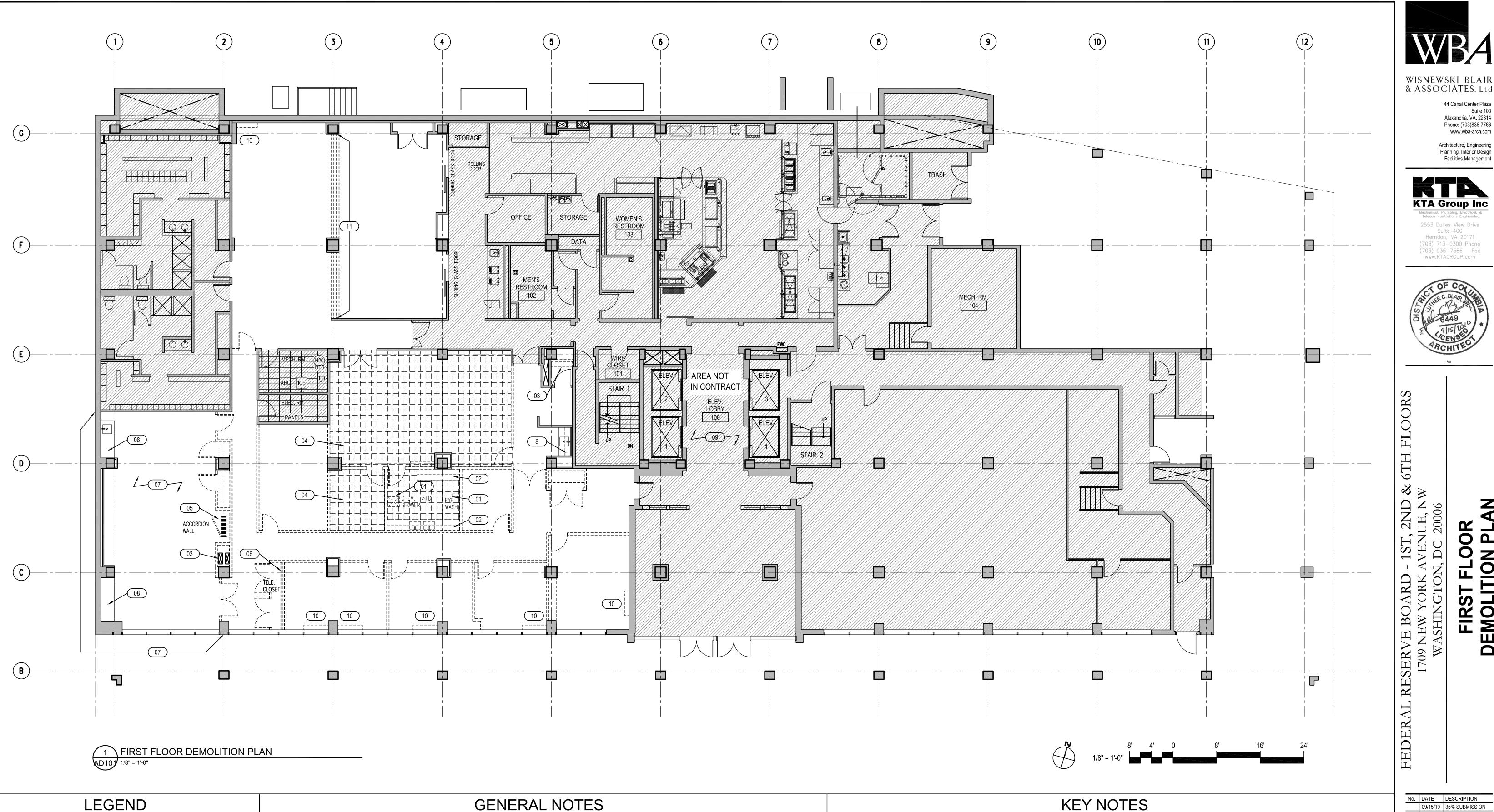
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P-1 BASEMI DEMOLITION

09/15/10 35% SUBMISSION 09/29/10 FINAL

AS INDICATED 



REFER TO GENERAL NOTES SHEET SERIES FOR ALL CONSTRUCTION **EXISTING PARTITION** GUIDELINES & STANDARDS. TO BE REMOVED EXISTING PARTITION 2. ALL PARTITIONS, DOORS, FRAMES, HARDWARE, MILLWORK, EQUIPMENT, TO REMAIN FRAMES & HARDWARE FOR REUSE AS INDICATED. FULL HEIGHT DOOR, FRAME & HARDWARE

**ROOM TAG** 

**KEY NOTE** 

NOTE: ITEMS SHOWN AS DASHED ON DEMOLITION PLAN ARE TO BE REMOVED.

XXX

FIXTURES & FINISHES TO BE DEMOLISHED AS INDICATED. SALVAGE DOORS, 3. ALL FINISHES INCLUDING FLOORING, BASE & WALL COVERING ARE TO BE REMOVED. PREPARE ALL SURFACES TO RECEIVE NEW FINISHES AS REQUIRED..

4. PROTECT ALL EXISTING AREAS TO REMAIN DURING DEMOLITION. 5. GC TO REVIEW & COORDINATE REMOVAL OF ANY MECHANICAL, ELECTRICAL, & PLUMBING EQUIPMENT - REFER TO M/E/P SHEETS FOR ADDITIONAL INFO.

DEMOLITION. GC TO COORDINATE WITH OWNER & INSURE THAT ELECTRICAL

6. BUILDING FIRE ALARM INTEGRITY SHALL BE MAINTAINED AT ALL TIMES (BEFORE, DURING & AFTER DEMOLITION). 7. ALL ELECTRICAL POWER MUST BE DISCONNECTED BEFORE STARTING

DISRUPTION TO ADJACENT TENANTS IS MINIMIZED.

8. EXISTING OUTLETS, RECEPTACLES, & THERMOSTATS TO BE REMOVED FROM DEMOLISHED WALLS. CONFIRM WITH ARCHITECT PRIOR TO PROCEEDING IF ANY QUESTIONS.

WHEN REMOVING WALL MOUNTED RECEPTACLES, GC TO REMOVE ALL CONDUIT ON WALLS & WIRING BACK TO ORIGINATING PANEL. REFER TO ELECTRICAL

DRAWINGS FOR MORE ADDITIONAL INFORMATION.

10. PROTECT ALL WINDOWS & SILLS FROM DAMAGE. 11. ALL EXISTING WINDOW BLINDS & SHADES TO REMAIN. GC TO PROTECT THEM

12. REMOVE ALL FASTENERS, CHANNELS, TRACKS, ETC. FROM BASE BUILDING

WALLS THAT ARE NOT PART OF THE ORIGINAL CONSTRUCTION.

FROM DAMAGE/DUST DURING DEMOLITION WORK. CONFIRM W/ BUILDING MANAGEMENT AS TO WHO HAS WINDOW BLIND RESPONSIBILITY.

13. THOROUGHLY CLEAN ALL SURFACES REMAINING DURING CONSTRUCTION AS REQUIRED TO PREPARE SPACE FOR NEW CONSTRUCTION.

( 01 ) REMOVE EXISTING CHEMICAL SHOWER & EYE WASH EQUIPMENT.

02 REMOVE EXISTING MILLWORK IN ITS ENTIRETY. AT LOCATIONS WHERE PLUMBING IS INSTALLED, REMOVE ABANDONED ELEMENTS & CAP WATER LINE AT ORIGIN.

03 REMOVE EXISTING PARTITION TO INVESTIGATE HIDDEN CONDITIONS AT LOCATION SHOWN. EXISTING FUNCTIONAL RISERS TO REMAIN. COORDINATE FINDINGS WITH ARCHITECT & ENGINEER PRIOR TO PROCEEDING FURTHER.

04 REMOVE EXISTING VCT FLOORING & PREPARE SURFACE FOR FUTURE

FINISHES.

05 REMOVE EXISTING ACCORDION PARTITION, HARDWARE & CEILING TRACK & SUPPORT ABOVE.

(06) REMOVE EXISTING FULL HEIGHT PLYWOOD TELEPHONE BOARD. 07 DEMOLITION WORK IN THIS AREA IS TO BE COORDINATED WITH OWNER &

OWNER'S SCHEDULE.

08 RETAIN EXISTING MILLWORK AT INDICATED LOCATION UNTIL WORK IN THIS AREA IS INITIATED. WHEN THIS TIME HAS BEEN DETERMINED, MILLWORK & ASSOCIATED PLUMBING ELEMENTS ARE TO BE REMOVED. PREPARE AREA

(09) AT LOCATIONS WHERE DEMOLITION OCCURS & LEAVES EXISTING BASE BUILDING CORE FINISHES DAMAGED, GC IS TO REPAIR THESE FINISHES TO LIKE-NEW CONDITION. CONFIRM FINAL FINISH SELECTION W/ ARCHITECT.

REMOVE EXISTING PERIMETER HVAC UNITS WHERE SHOWN. COORDINATE WITH M/E/P DRAWINGS FOR ADDITIONAL INFORMATION.

FOR NEW CONSTRUCTION. COORDINATE WITH OWNER.

11 DEMO BLOCK WALL IN ITS ENTIRETY.

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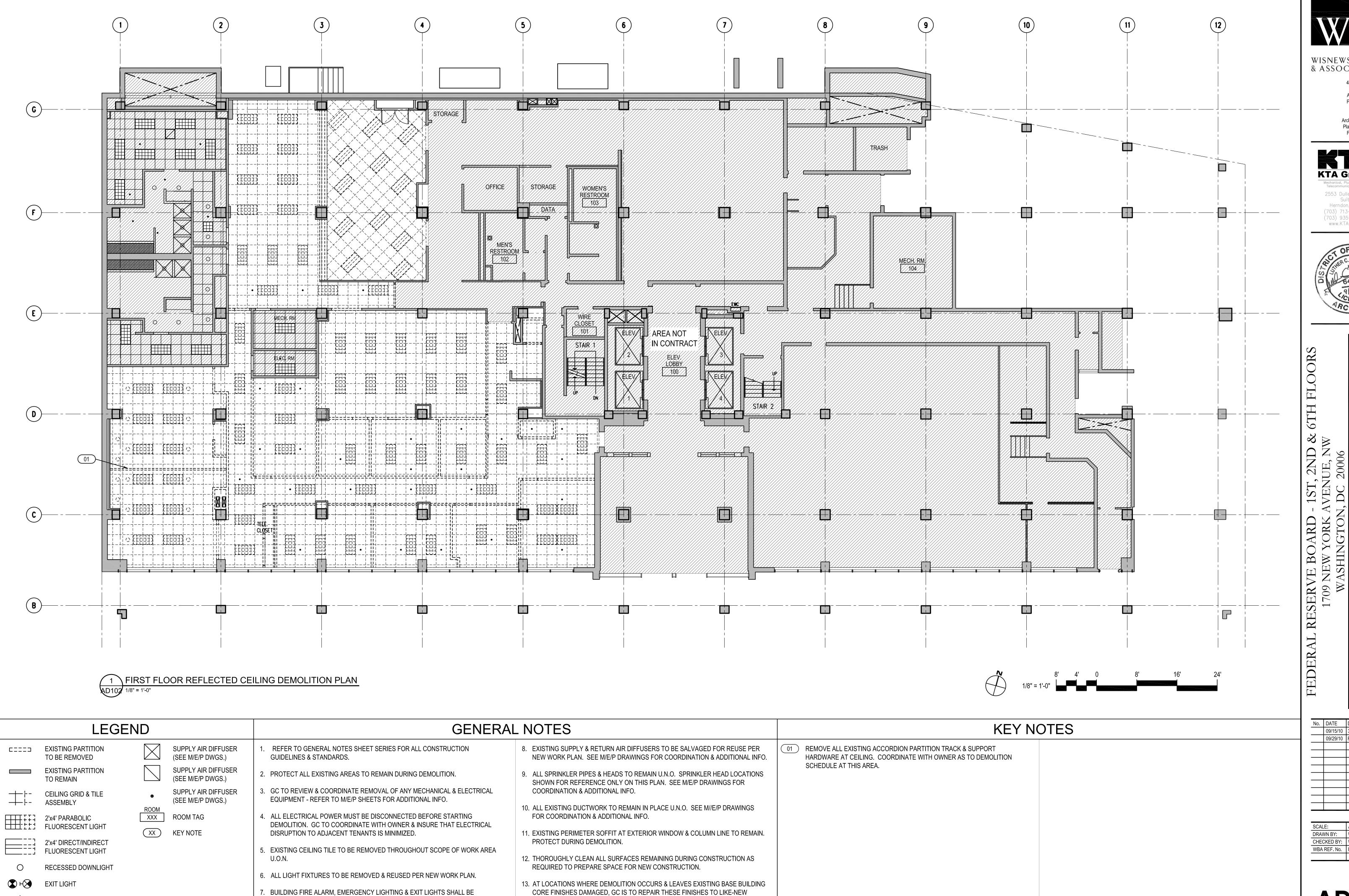
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CONDITION. CONFIRM FINAL FINISH SELECTION W/ ARCHITECT.

MAINTAINED AT ALL TIMES (BEFORE, DURING & AFTER DEMOLITION.)

LIGHT SWITCH

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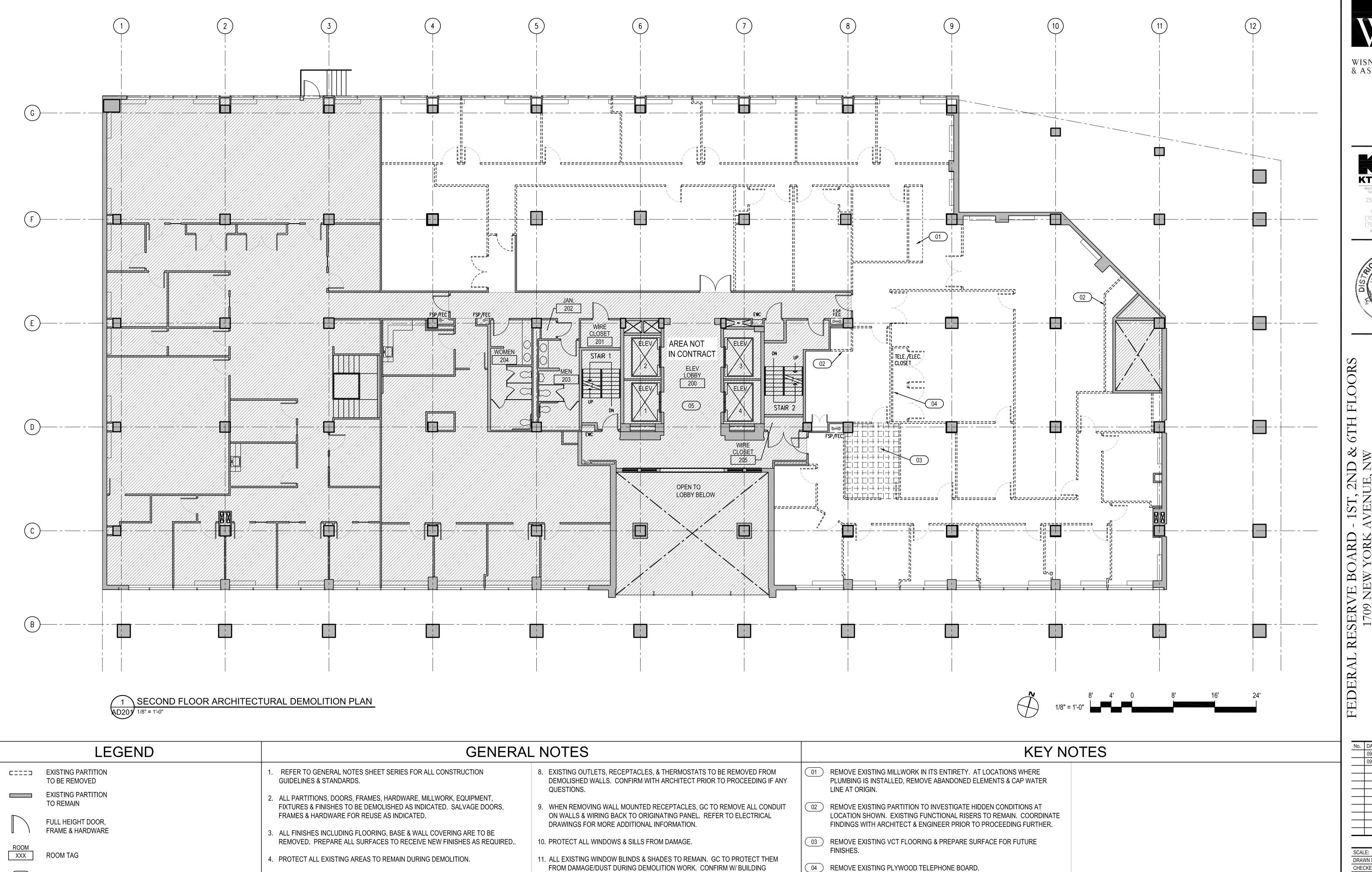
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MANAGEMENT AS TO WHO HAS WINDOW BLIND RESPONSIBILITY.

WALLS THAT ARE NOT PART OF THE ORIGINAL CONSTRUCTION.

REQUIRED TO PREPARE SPACE FOR NEW CONSTRUCTION.

12. REMOVE ALL FASTENERS, CHANNELS, TRACKS, ETC. FROM BASE BUILDING

13. THOROUGHLY CLEAN ALL SURFACES REMAINING DURING CONSTRUCTION AS

05 AT LOCATIONS WHERE DEMOLITION OCCURS & LEAVES EXISTING BASE

BUILDING CORE FINISHES DAMAGED, GC IS TO REPAIR THESE FINISHES TO

LIKE-NEW CONDITION. CONFIRM FINAL FINISH SELECTION W/ ARCHITECT.

**KEY NOTE** 

NOTE: ITEMS SHOWN AS DASHED ON DEMOLITION PLAN ARE TO BE REMOVED.

5. GC TO REVIEW & COORDINATE REMOVAL OF ANY MECHANICAL, ELECTRICAL, &

6. BUILDING FIRE ALARM INTEGRITY SHALL BE MAINTAINED AT ALL TIMES (BEFORE,

DEMOLITION. GC TO COORDINATE WITH OWNER & INSURE THAT ELECTRICAL

PLUMBING EQUIPMENT - REFER TO M/E/P SHEETS FOR ADDITIONAL INFO.

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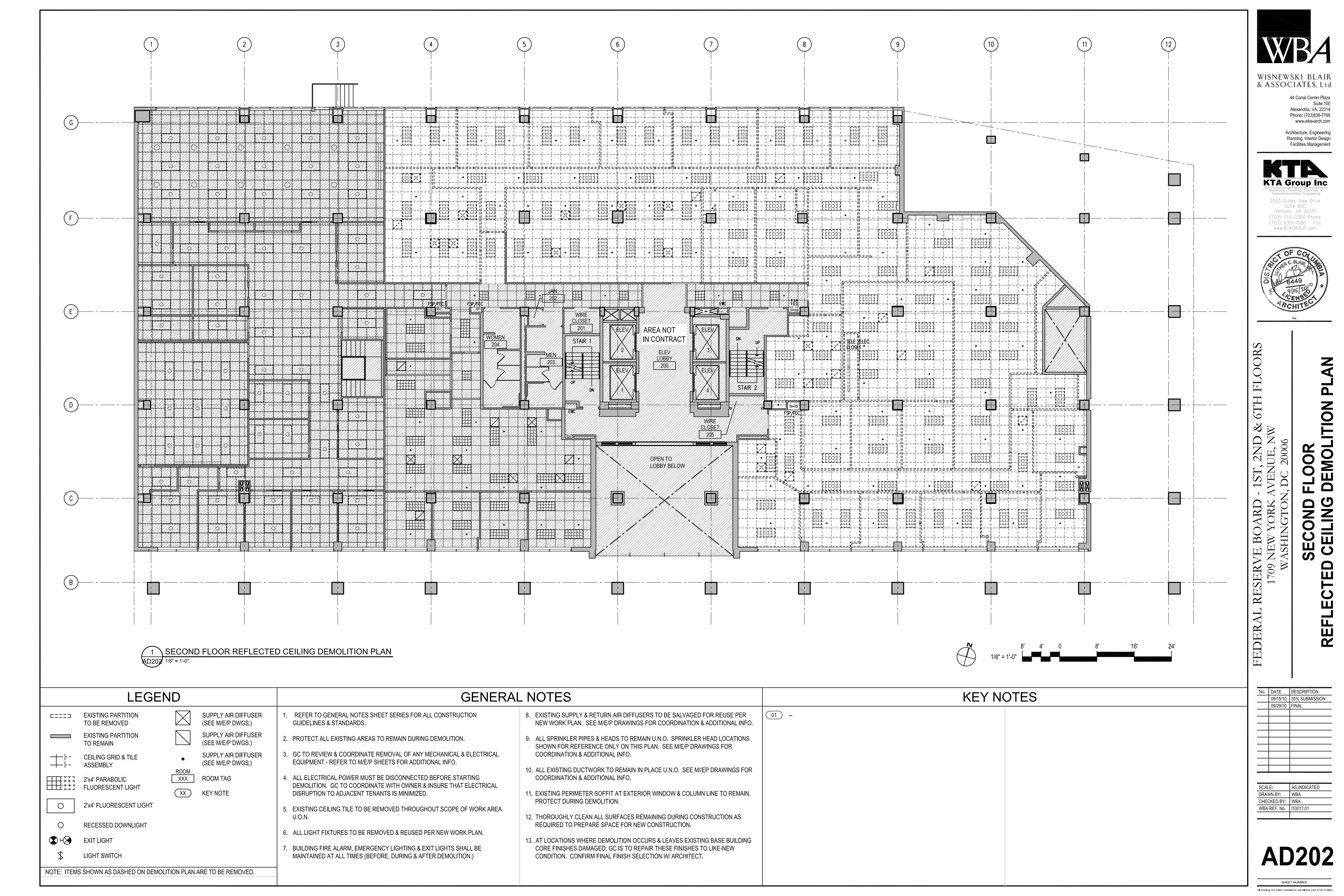
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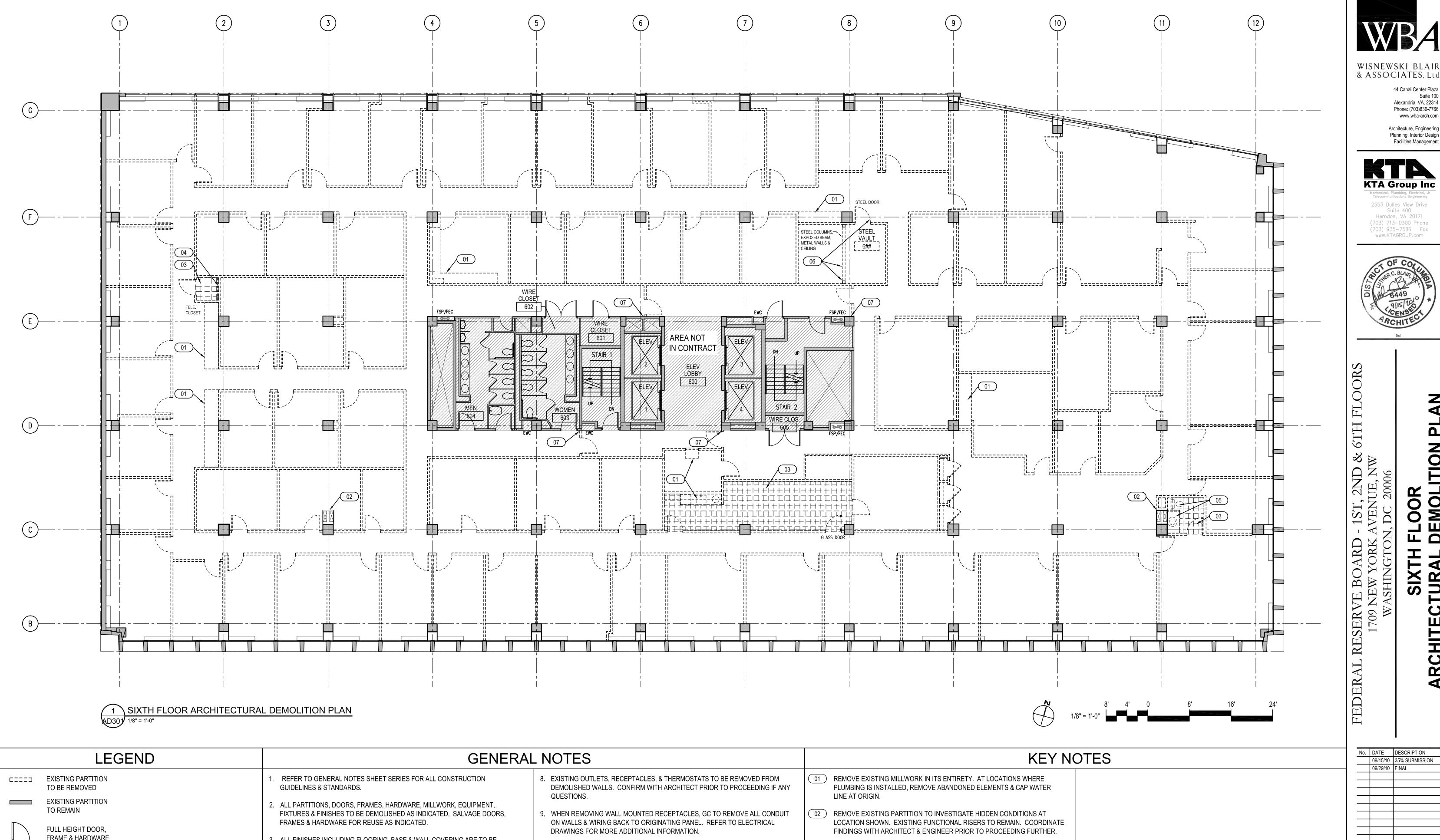


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11. ALL EXISTING WINDOW BLINDS & SHADES TO REMAIN. GC TO PROTECT THEM FROM DAMAGE/DUST DURING DEMOLITION WORK. CONFIRM W/ BUILDING

03 REMOVE EXISTING VCT FLOORING & PREPARE SURFACE FOR NEW FINISHES.

04 REMOVE EXISTING PLYWOOD TELEPHONE BOARD.

05 REMOVE EXISTING EXECUTIVE SUITE RESTROOM FLOORING, MILLWORK & PLUMBING FIXTURES. REMOVE & CAP ABANDONED WATER LINES AT ORIGIN.

06 REMOVE EXISTING STEEL VAULT WALLS, COLUMNS, BEAM, DOOR & METAL CEILING ASSEMBLY IN ITS ENTIRETY.

07 AT LOCATIONS WHERE DEMOLITION OCCURS & LEAVES EXISTING BASE BUILDING CORE FINISHES DAMAGED, GC IS TO REPAIR THESE FINISHES TO LIKE-NEW CONDITION. CONFIRM FINAL FINISH SELECTION W/ ARCHITECT.

FRAME & HARDWARE 3. ALL FINISHES INCLUDING FLOORING, BASE & WALL COVERING ARE TO BE REMOVED. PREPARE ALL SURFACES TO RECEIVE NEW FINISHES AS REQUIRED.. **ROOM TAG** XXX 4. PROTECT ALL EXISTING AREAS TO REMAIN DURING DEMOLITION. **KEY NOTE** 5. GC TO REVIEW & COORDINATE REMOVAL OF ANY MECHANICAL, ELECTRICAL, & PLUMBING EQUIPMENT - REFER TO M/E/P SHEETS FOR ADDITIONAL INFO. 6. BUILDING FIRE ALARM INTEGRITY SHALL BE MAINTAINED AT ALL TIMES (BEFORE, DURING & AFTER DEMOLITION).

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12. REMOVE ALL FASTENERS, CHANNELS, TRACKS, ETC. FROM BASE BUILDING WALLS THAT ARE NOT PART OF THE ORIGINAL CONSTRUCTION.

13. THOROUGHLY CLEAN ALL SURFACES REMAINING DURING CONSTRUCTION AS REQUIRED TO PREPARE SPACE FOR NEW CONSTRUCTION.



13. AT LOCATIONS WHERE DEMOLITION OCCURS & LEAVES EXISTING BASE BUILDING

CORE FINISHES DAMAGED, GC IS TO REPAIR THESE FINISHES TO LIKE-NEW

CONDITION. CONFIRM FINAL FINISH SELECTION W/ ARCHITECT.

7. BUILDING FIRE ALARM, EMERGENCY LIGHTING & EXIT LIGHTS SHALL BE

MAINTAINED AT ALL TIMES (BEFORE, DURING & AFTER DEMOLITION.)

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# MECHANICAL SPECIFICATIONS

### I. <u>GENERAL</u>

- I.I. ALL WORK SHALL CONFORM TO ALL DISTRICT OF COLUMBIA CODES, RULES AND REGULATIONS.
- I.2. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES AND TAXES.
- I.3. MAKE NO CHANGES WITHOUT THE WRITTEN PERMISSION FROM THE ARCHITECT.
- I.4. ALL MATERIAL AND EQUIPMENT INDICATED ON THE PLANS AND DESCRIBED IN THE SPECIFICATIONS SHALL BE PROVIDED BY THE CONTRACTOR NEW AND THE BEST PRODUCTS OF REPUTABLE MANUFACTURERS AND SHALL BE IN NEW CONDITION AT ACCEPTANCE OF WORK.
- 1.5. THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS, LABOR AND EQUIPMENT FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE. CONTRACTOR SHALL PAY FOR ANY REPAIRS OR REPLACEMENTS CAUSED BY DEFECTIVE WORKMANSHIP OR FAULTY MATERIALS AS CONSTRUED HEREIN WITHIN THE PERIOD COVERED BY THE GUARANTEE.
- I.6. SCAFFOLDING, RIGGING AND HOISTING: UNLESS OTHERWISE SPECIFIED, CONTRACTOR SHALL FURNISH ALL SCAFFOLDING, RIGGING, HOISTING, AND SERVICES NECESSARY FOR ERECTION AND DELIVERY INTO THE PREMISES OF ANY EQUIPMENT AND APPARATUS FURNISHED, AND REMOVAL OF SAME FROM PREMISES WHEN NO LONGER REQUIRED.
- 1.7. CONTRACTOR SHALL MAKE AN ON-SITE INSPECTION TO DETERMINE FULLY THE EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION.
- I.S. SIZES AND LOCATIONS OF EXISTING DUCTWORK AND PIPING SHOWN ON THESE DRAWINGS ARE TAKEN FROM AVAILABLE DRAWINGS OF EXISTING BUILDING. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF EXISTING DUCTWORK AND PIPING.
- I.9. LOCATION OF EQUIPMENT, PIPING, AND OTHER MECHANICAL WORK IS INDICATED DIAGRAMMATICALLY BY THE DRAWINGS. DETERMINE EXACT LOCATIONS ON THE JOB SITE, SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF OTHER CONTRACTORS.
- I.IO. INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER, USING ONLY MORKMEN THOROUGHLY QUALIFIED IN THE TRADE OF DUTIES THEY ARE TO PERFORM. ROUGH WORK WILL BE REJECTED.
- I.II. CUTTING AND PATCHING SHALL BE DONE BY THE APPROPRIATE TRADE UNLESS OTHERWISE REQUIRED BY TRADE CUSTOM OR SPECIFIED UNDER ANOTHER SECTION OF THE SPECIFICATIONS. CONTRACTOR SHALL FURNISH SKETCHES SHOWING THE LOCATIONS AND SIZES OF ALL OPENINGS, CHASES, ETC. REQUIRED. CONTRACTOR IS LIABLE FOR CUTTING OR PATCHING MADE NECESSARY BY HIS FAILURE TO MAKE PROPER ARRANGEMENTS IN THIS RESPECT.
- 1.12. DO NOT CUT STRUCTURAL MEMBERS.
- I.I3. MAINTAIN WORK AREA CLEAN AT ALL TIMES DURING CONSTRUCTION. AFTER COMPLETING INSTALLATIONS OF DUCTWORK, CONTRACTOR SHALL CLEAN ENTIRE SYSTEM OF RUBBISH, PLASTER, DIRT AND ANY OTHER DEBRIS.

### 2. <u>DEMOLITION</u>

- 2.I. ALL EXISTING EQUIPMENT, OTHER THAN DUCTWORK, WIRING AND AIR DEVICES, REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE OWNER AND SHALL BE REMOVED, STORED, OR DISPOSED OF BY THE CONTRACTOR AT THE DIRECTION OF THE OWNER.
- 2.2. ALL OPENINGS IN WALLS, CEILINGS AND FLOORS RESULTING FROM DUCT AND EQUIPMENT DEMOLITION SHALL BE CLOSED AND FINISHED TO MATCH THE SURROUNDING AREA BY THE GENERAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING LOCATIONS.
- 2.3. BLANK-OFF ALL UNUSED DUCT OPENINGS WITH SAME GAUGE METAL AS EXISTING DUCT AND SEAL AIR TIGHT. INSULATED DUCTS SHALL BE INSULATED WITH SAME INSULATION MATERIAL AND THICKNESS AS EXISTING AND SEALED VAPOR TIGHT.
- 2.4. WHERE EQUIPMENT REMOVAL REQUIRES THE SEVERING OF REFRIGERANT LINES AND/OR THE DISPOSAL OF EQUIPMENT, THE REFRIGERANT IN THE SYSTEM SHALL BE RECOVERED IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS BY AN EPA CERTIFIED REFRIGERANT RECOVERY TECHNICIAN.

### 3. TEMPERATURE CONTROLS

3.I. CONTRACTOR SHALL TAKE EXTRA CARE WHEN REMOVING THE EXISTING EQUIPMENT SO THAT EXISTING CONTROL COMPONENTS ARE NOT DAMAGED. STORE ALL THERMOSTATS WITH THEIR ASSOCIATED EQUIPMENT OR AS DIRECTED BY THE OWNER.

# MECHANICAL SYMBOLS

\_\_\_\_

 $\square$ SUPPLY AIR DEVICE

RETURN AIR DEVICE  $\square$ EXHAUST AIR DEVICE \_\_\_\_

REMOVE EXISTING EXISTING TO REMAIN NEW WORK

 $\sim$ FLEXIBLE DUCTWORK -CWS/R-

CONDENSER WATER SUPPLY/RETURN --DCONDENSATE DRAIN

PIPE TURNING UP

PIPE TURNING DOWN <del>-----</del> EXISTING PIPING TO REMAIN

EXISTING PIPE TO BE REMOVED ----- $-\bowtie$ GATE VALVE

THERMOSTAT WALL SWITCH ROUND

EXISTING

POINT OF CONNECTION NEW TO EXISTING LIMIT OF REMOVAL

(#) SHEET NOTE INDICATOR <del>--</del> DUCT HEATING COIL AIR OUT OF AIR TERMINAL

AIR INTO AIR TERMINAL FIRE DAMPER (FD)

# MECHANICAL ABBREVIATIONS

AIR CONDITIONER ARCHITECTURAL CLG CEILING CONT CONTINUATION DUCT HEATER DOWN DRAWING DWG EXHAUST FAN FIRE DAMPER

IN

FEET INCHES TYP TYPICAL

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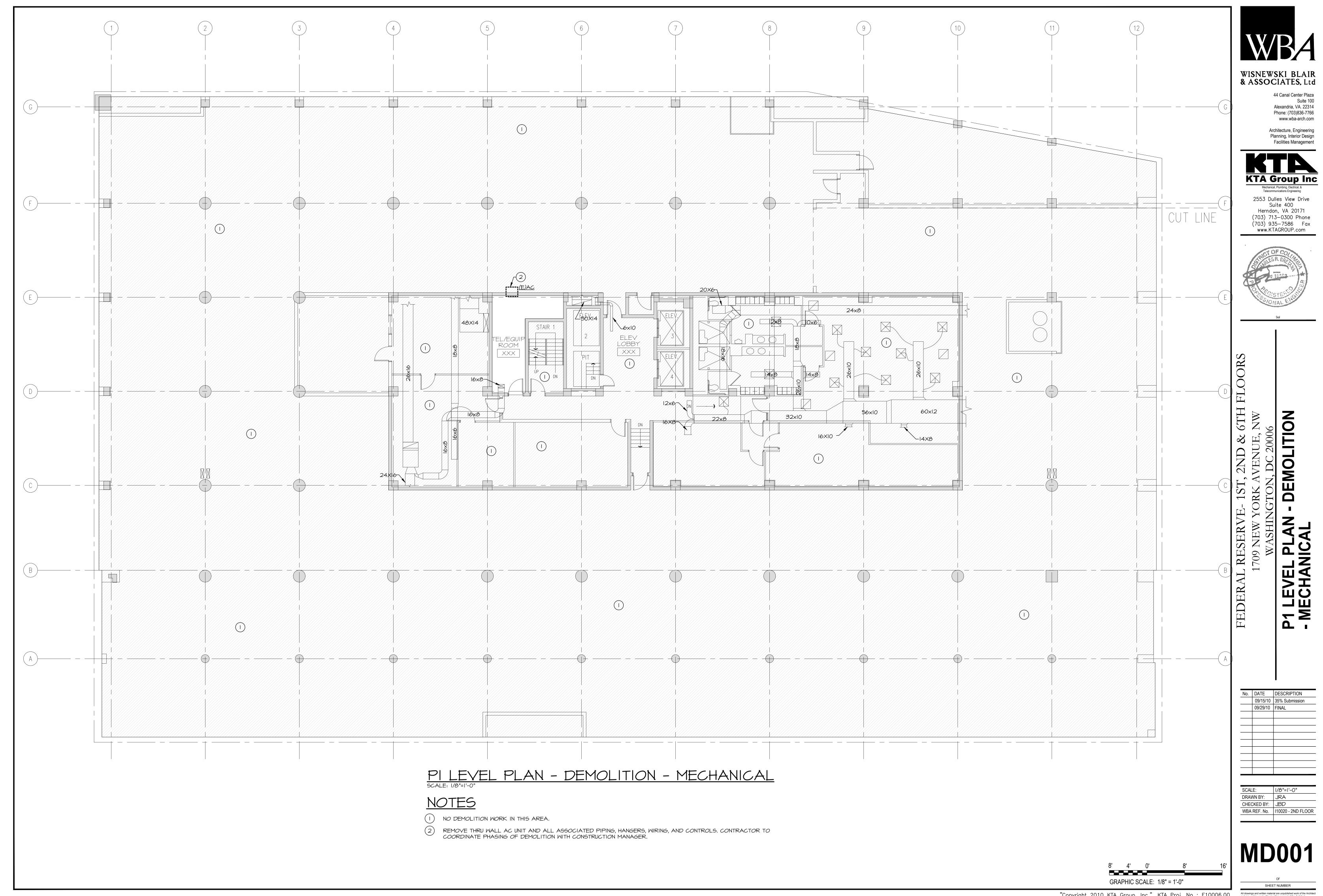
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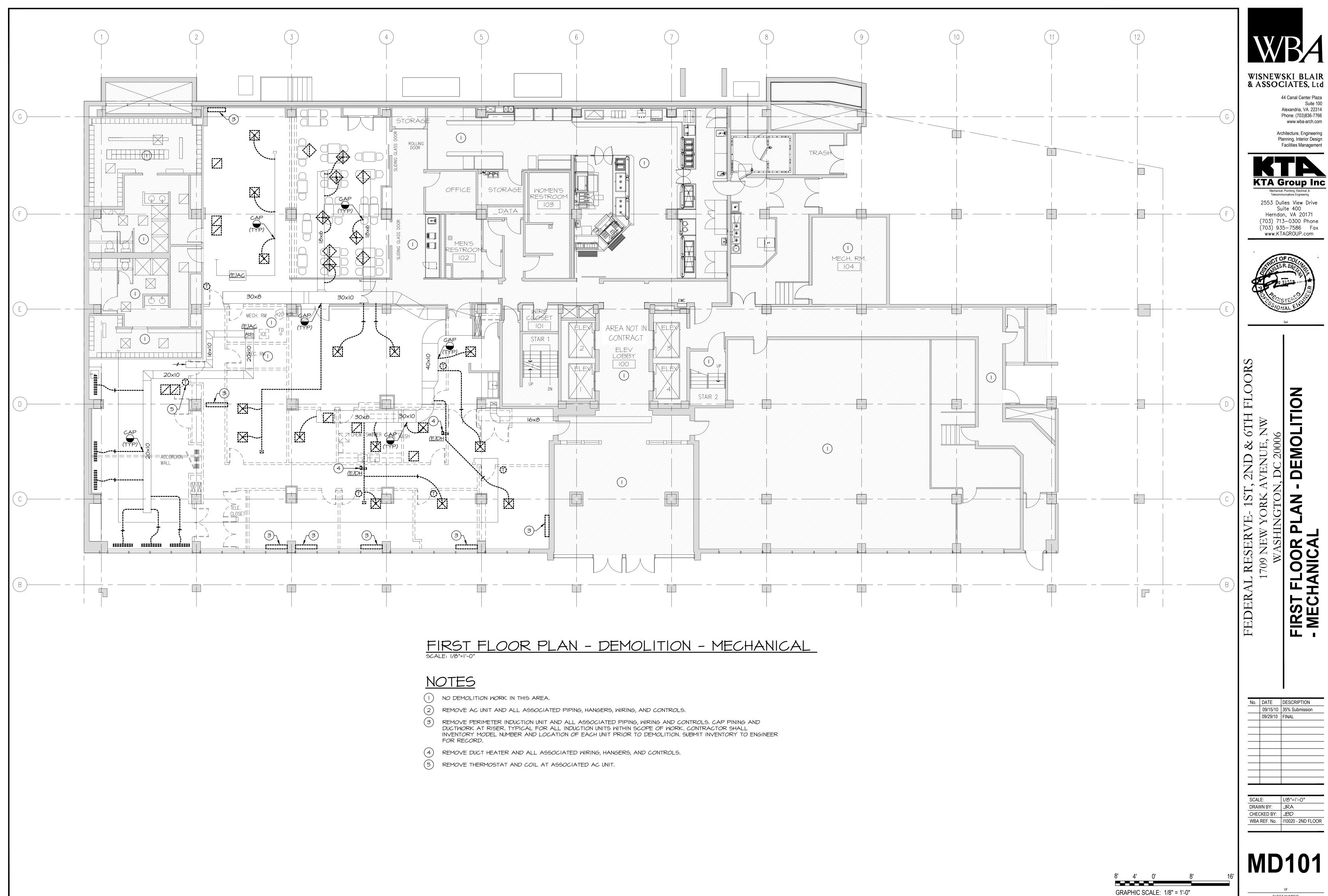
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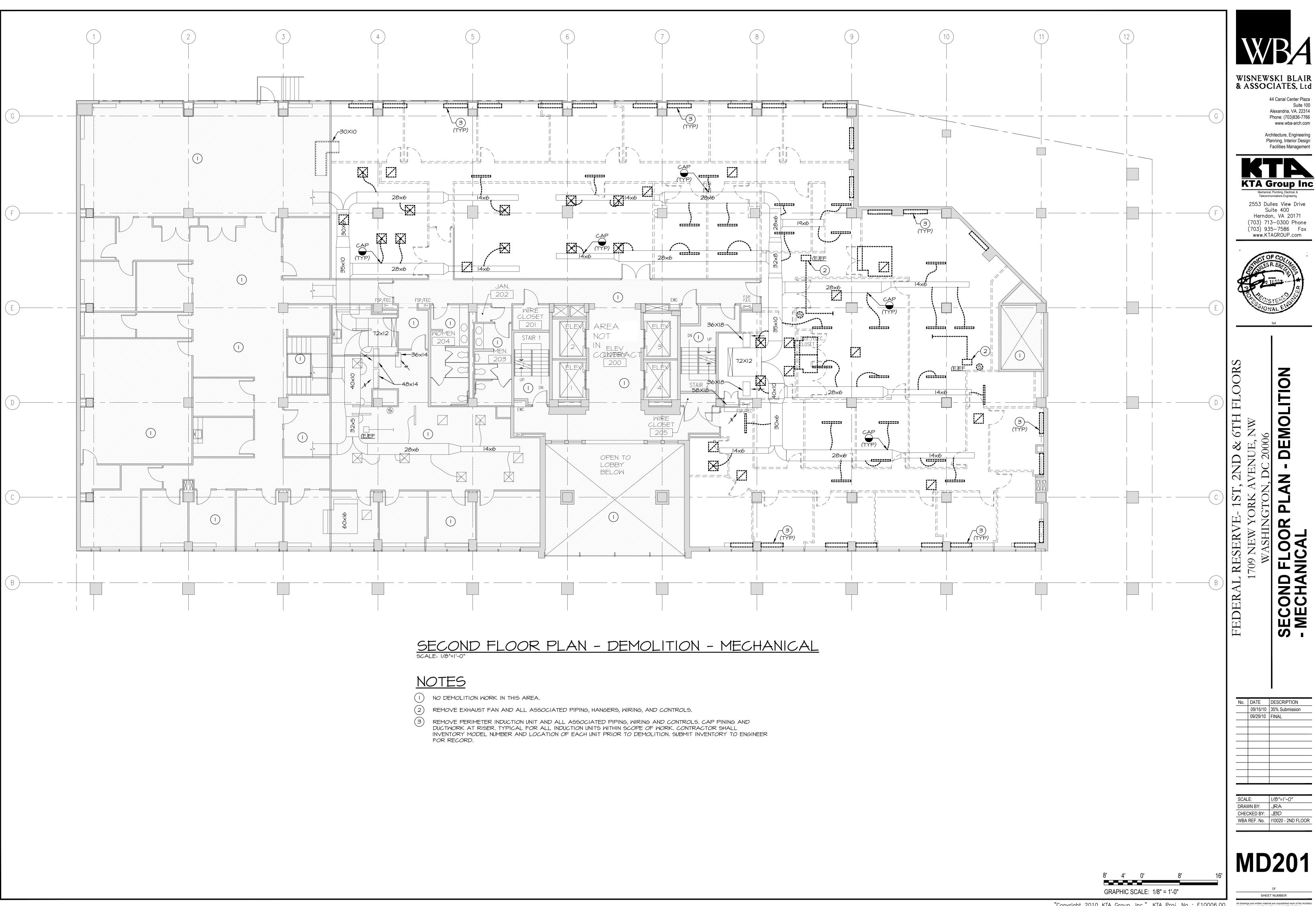


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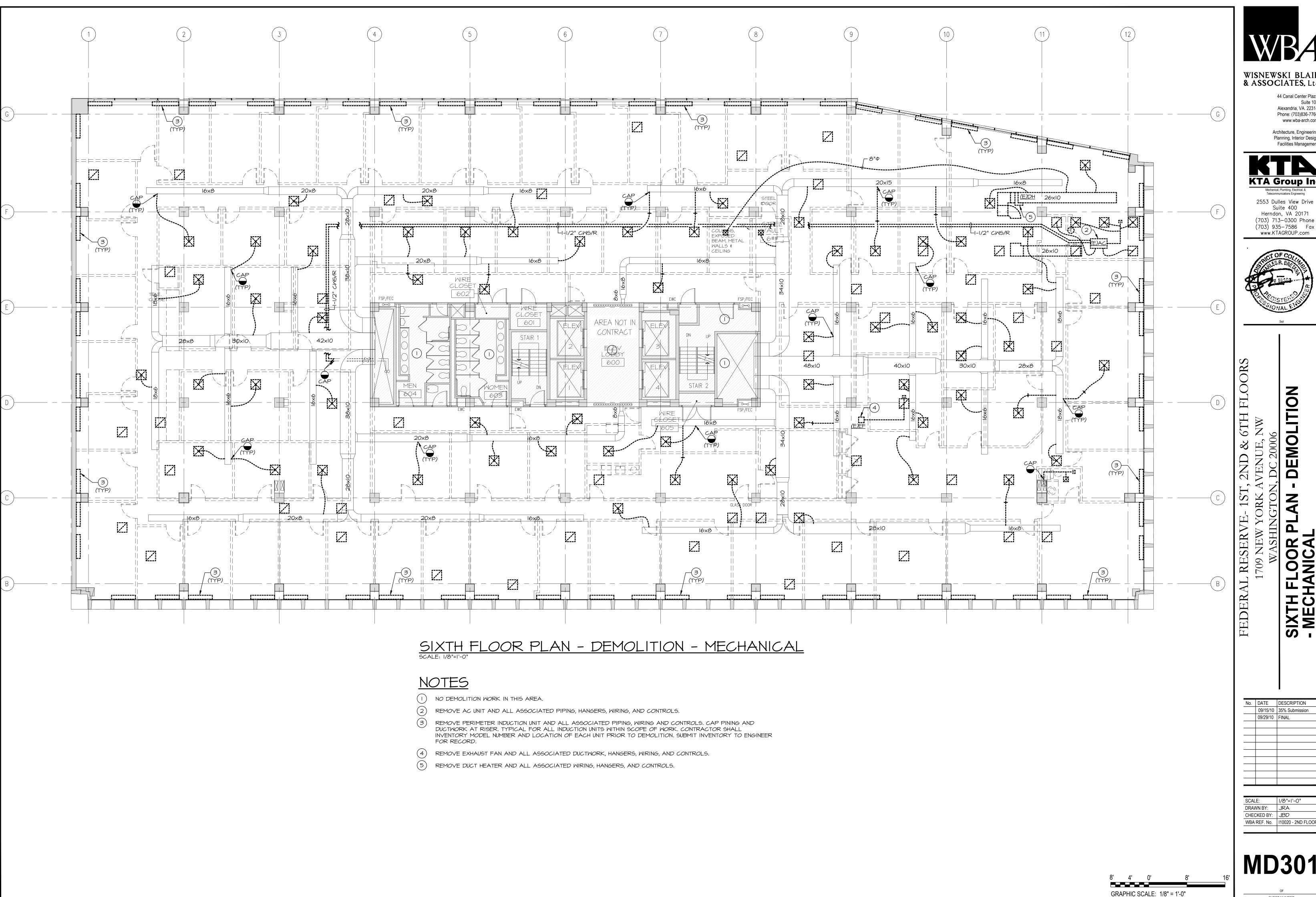
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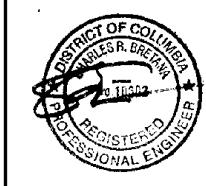
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# PLUMBING GENERAL NOTES

- I. ALL WORK SHALL CONFORM WITH ALL DISTRICT OF COLUMBIA, CODES, RULES AND REGULATIONS.
- 2. PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ANY PERMITS.
- 3. MAKE NO CHANGES WITHOUT THE WRITTEN PERMISSION FROM THE ARCHITECT.
- 4. SCAFFOLDING, RIGGING AND HOISTING: UNLESS OTHERWISE SPECIFIED, CONTRACTOR SHALL FURNISH ALL SCAFFOLDING, RIGGING, HOISTING, AND SERVICES NECESSARY FOR ERECTION AND DELIVERY INTO THE PREMISES OF ANY EQUIPMENT AND APPARATUS FURNISHED, AND REMOVAL OF SAME FROM PREMISES WHEN NO LONGER
- 5. NO STRUCTURAL MEMBERS SHALL BE CUT WITHOUT THE APPROVAL OF THE ARCHITECT, AND ALL SUCH CUTTING SHALL BE DONE IN A MANNER DIRECTED BY HIM.
- 6. CONTRACTOR SHALL MAKE AN ON-SITE INSPECTION TO DETERMINE FULLY THE EXISTING CONDITIONS, PRIOR TO PROCEEDING WITH DEMOLITION.
- 7. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID ANY INTERFERENCE.

# PLUMBING DEMOLITION NOTES

- A. SPECIFIC DEMOLITION NOTES ARE NOT TO BE CONSIDERED ALL INCLUSIVE OR COMPLETE IN THEMSELVES. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL DEMOLITION INCIDENTAL TO OR REQUIRED FOR NEW AND RENOVATED CONSTRUCTION WHETHER OR NOT SPECIFICALLY NOTED AND INCLUDING BUT NOT LIMITED TO THE FOLLOWING: REMOVAL OF PLUMBING FIXTURES, TRIM, SUPPLIES, TRAPS, CLEANOUTS, DRAINS, VALVES, AND RELATED PIPING, THAT MIGHT REASONABLY BE REQUIRED TO BE REMOVED IN PREPARATION FOR INSTALLATION OF NEW CONSTRUCTION, SPECIFIED FIXTURES OR OTHER EQUIPMENT REQUIRING PLUMBING.
- B. DEMOLITION SHALL BE PERFORMED IN SUCH A MANNER THAT WILL NOT DAMAGE ADJOINING SURFACES OR EQUIPMENT INDICATED TO REMAIN.
- C. WHERE DEMOLITION WOULD AFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH DEMOLITION.
- D. THE PLUMBING CONTRACTOR SHALL REMOVE THE EXISTING FIXTURES AS NOTED ON THE FOLLOWING DRAWINGS. CAP AND CONCEAL ALL SANITARY, VENT, AND WATER PIPING BELOW FLOOR, ABOVE CEILING AND/OR IN WALLS AS REQUIRED. REMOVE ALL PIPING NOT REQUIRED FOR RENOVATION AND CAP AT NEAREST VALVE OR MAIN LINE. REMOVED FIXTURES AND TRIM SHALL REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL STORE ON SITE OR REMOVE FROM SITE SAID FIXTURES AS DIRECTED BY THE OWNER.
- E. THIS CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE BUILDING MANAGEMENT IN WRITING 10 DAYS IN ADVANCE OF ANY AND ALL UTILITY SERVICE INTERRUPTIONS.
- F. TEMPORARY SYSTEMS: THE EXISTING SYSTEMS OPERATION SHALL BE MAINTAINED IN RENOVATED AND ADJACENT AREAS UNTIL THE NEW SYSTEMS ARE OPERATIONAL. THIS CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH KEEPING THE EXISTING SYSTEMS ON LINE. THESE COSTS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

I. TEMPORARY HOT AND COLD WATER PIPING.

2. TEMPORARY SANITARY AND VENT PIPING.

# PLUMBING SYMBOLS

--V-- EXISTING VENT PIPE ----SS--- EXISTING SOIL OR WASTE PIPE EXISTING PIPE TO BE REMOVED

EXTENT OF DEMOLITION

DRAWING LIST

PD000 COVER SHEET - PLUMBING PDIOI FIRST FLOOR DEMOLITION PLAN - PLUMBING PD201 SECOND FLOOR DEMOLITION PLAN - PLUMBING PD301 SIXTH FLOOR DEMOLITION PLAN - PLUMBING

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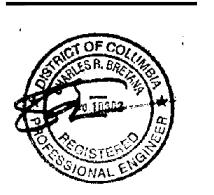
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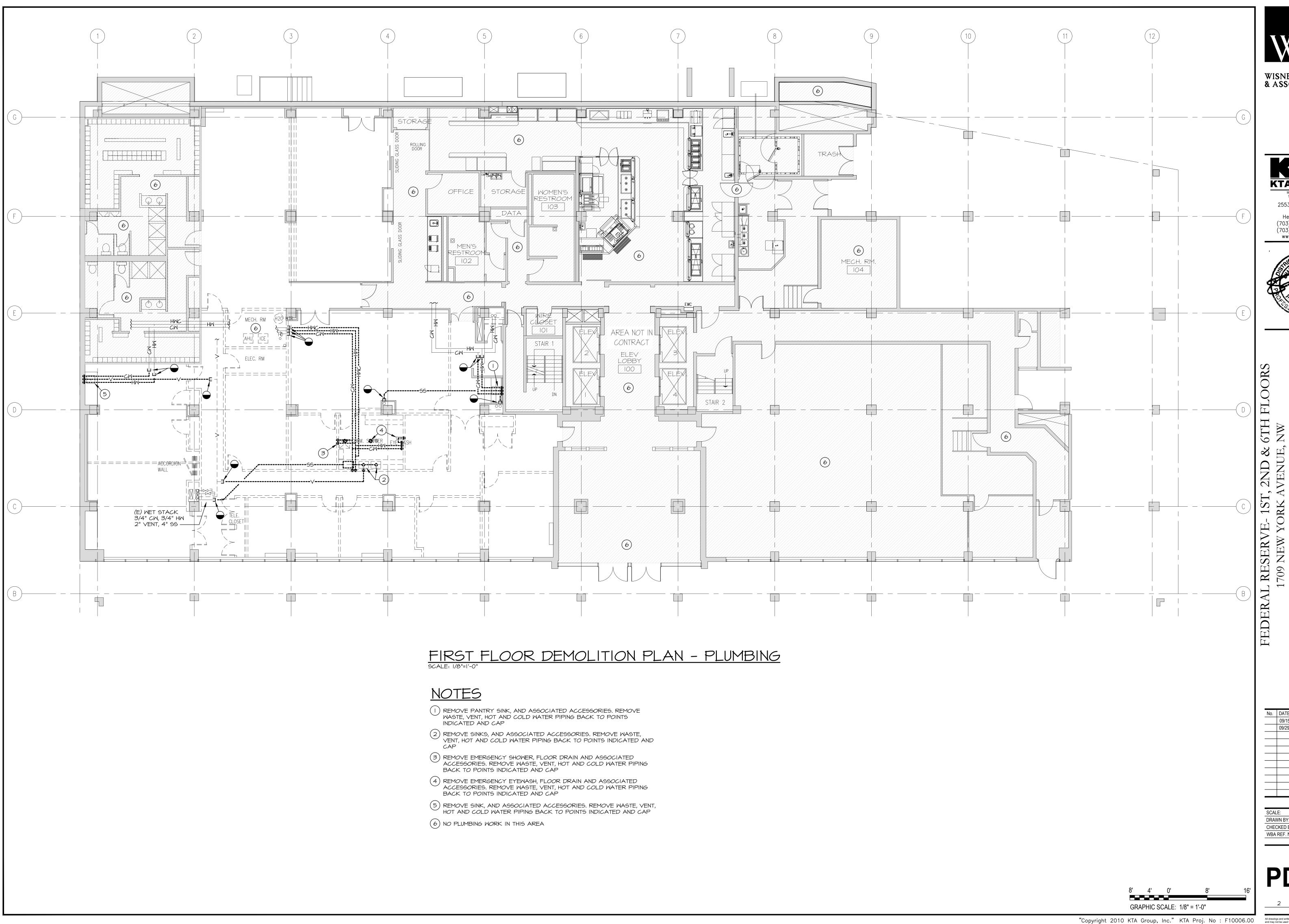


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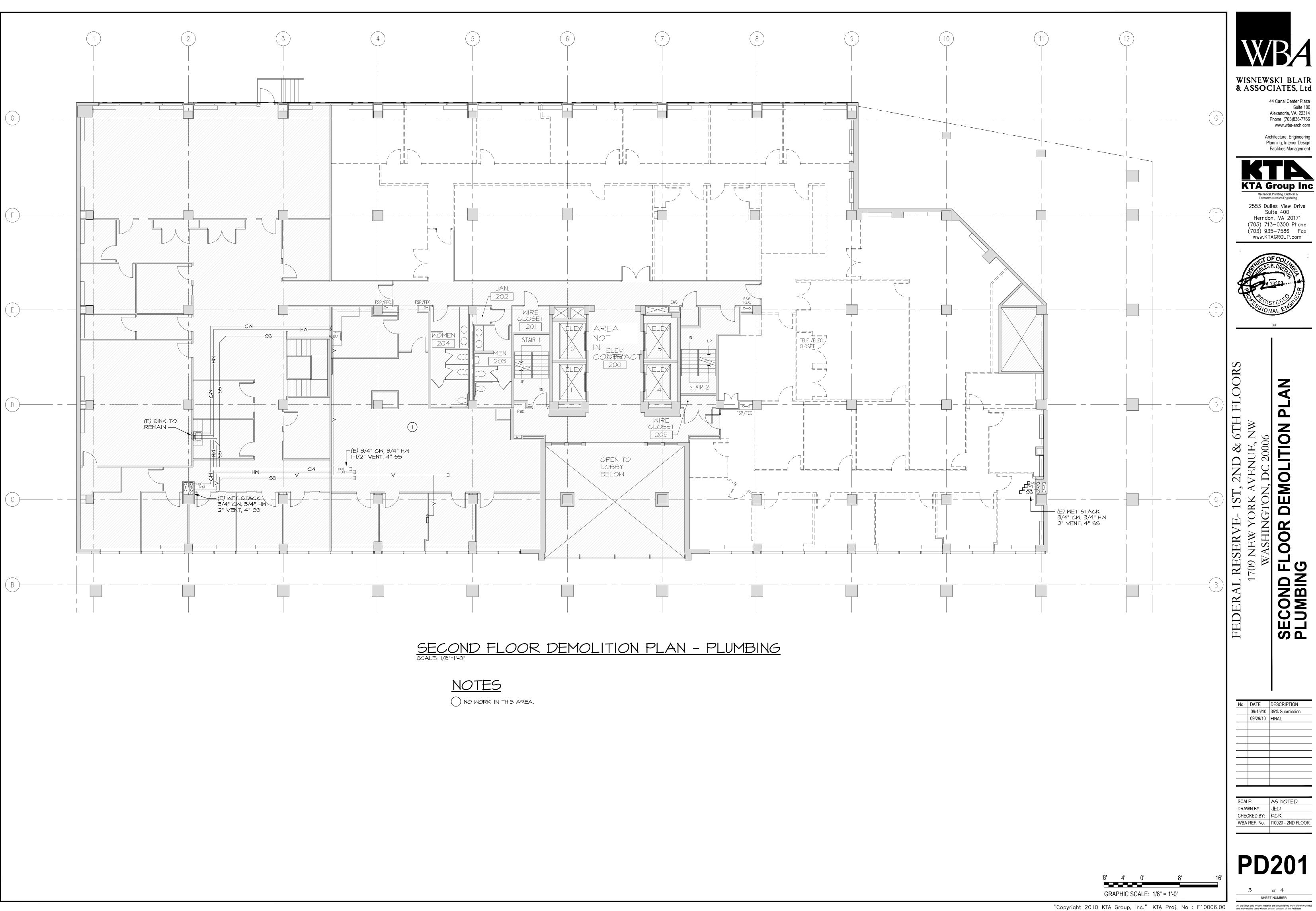


FIRST FLO PLUMBINO

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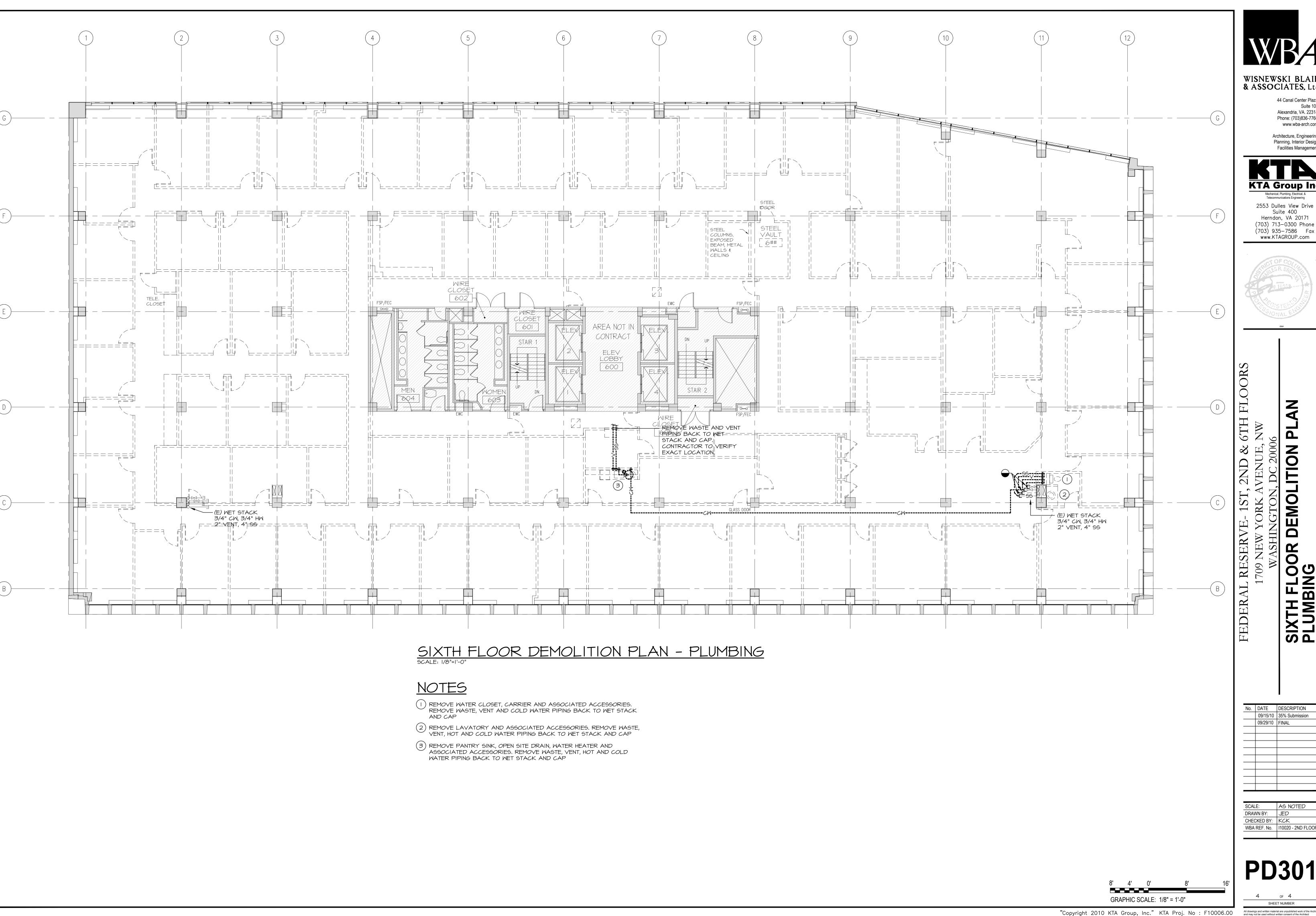
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SECOND FLOP PLONG PLONG

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SIXTH FLOC PLUMBING

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### ELECTRICAL NOTES AND SPECIFICATIONS

- ALL WORK SHALL BE DONE IN CONFORMANCE WITH ALL DISTRICT OF COLUMBIA CODES RULES AND REGULATIONS, THE LATEST ADOPTED JURISDICTIONAL CODES, AND OF THE AUTHORITY HAVING JURISDICTION.
- 2. OBTAIN AND PAY FOR ALL PERMITS, ALL FEES AND ALL TAXES.
- 3. IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK TESTED AND READY FOR OPERATION. WHENEVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE AND READY FOR USE".
- 4. PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, FIXTURES, SERVICES AND PERFORM ALL OPERATIONS REQUIRED FOR A COMPLETE AND SAFE INSTALLATION OF THE ELECTRICAL SYSTEMS AND RELATED WORK. ELECTRICAL SYSTEMS AND EQUIPMENT SHALL IN GENERAL INCLUDE THE FOLLOWING:
  - 4.A. GENERAL PROVISIONS FOR ELECTRICAL WORK
  - 4.B. WIRING, DISTRIBUTION EQUIPMENT, RACEWAYS AND DEVICES 4.C. LIGHTING FIXTURES AND LAMPS
  - 4.D. GROUNDING SYSTEM
  - 4.E. TELEPHONE CONDUIT
  - 4.F. MECHANICAL EQUIPMENT, MOTORS AND PLUMBING EQUIPMENT, WIRING AND CONDUIT
  - 4.G. FIRE ALARM SYSTEM 4.H. INSTALLATION AND ALL CONNECTIONS.
- 5. PROVIDE ALL MATERIAL AND EQUIPMENT NOT INDICATED AS EXISTING IN THE CONTRACT DOCUMENTS. ALL MATERIAL SHALL BE NEW AND THE BEST PRODUCTS OF REPUTABLE MANUFACTURERS AND SHALL BE IN NEW CONDITION AT ACCEPTANCE OF WORK.
- 6. PROVIDE A GUARANTEE TO COVER ALL MATERIALS, LABOR AND EQUIPMENT. GUARANTEE SHALL BE FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. GUARANTEE SHALL COVER PAYMENT FOR ANY REPAIRS OR REPLACEMENTS CAUSED BY DEFECTIVE WORKMANSHIP OR FAULTY MATERIALS WITHIN THE PERIOD COVERED BY THE GUARANTEE
- 7. PROVIDE ALL SCAFFOLDING, RIGGING, HOISTING, AND SERVICES NECESSARY FOR ERECTION AND DELIVERY INTO THE PREMISES OF ANY EQUIPMENT AND APPARATUS, WHETHER FURNISHED BY THIS CONTRACT OR OWNER, AND REMOVAL OF SAME FROM PREMISES WHEN NO LONGER REQUIRED.
- 8. INSTALL ALL WORK IN A NEAT AND ORDERLY MANNER. USING ONLY WORKMEN THOROUGHLY QUALIFIED IN THE TRADE OR DUTIES THEY ARE TO PERFORM. ROUGH WORK WILL BE REJECTED.
- 9. UNLESS OTHERWISE REQUIRED BY TRADE CUSTOM OR SPECIFIED UNDER ANOTHER SECTION OF THE SPECIFICATIONS, CUTTING AND PATCHING SHALL BE DONE BY THE APPROPRIATE TRADE. PROVIDE SKETCHES SHOWING THE LOCATIONS AND SIZES OF ALL OPENINGS, CHASES ETC. REQUIRED.
- 10. DO NOT CUT STRUCTURAL MEMBERS WITHOUT THE APPROVAL OF THE ARCHITECT/ENGINEER, AND ALL SUCH CUTTING SHALL BE DONE IN MANNER DIRECTED BY HIM.
- II. MAINTAIN CLEAN WORK AREA AT ALL TIMES DURING CONSTRUCTION.
- 12. TEST ALL LIGHTING, POWER, FIRE ALARM AND OTHER SYSTEMS. SYSTEMS SHALL OPERATE SATISFACTORILY AS DESIGNED AND INTENDED. REPORT ANY DEFICIENCIES TO THE ARCHITECT/ENGINEER.
- 13. PROVIDE A FIELD-APPLIED WARNING LABEL ON EACH SWITCHBOARD, PANELBOARD, CONTROL PANEL, STARTER, VFD, AND MOTOR CONTROL CENTER TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARD, PER NEC 110.16.
- 14. GENERAL PROVISION FOR ELECTRICAL WORK:
  - 14.A. <u>DRAWINGS</u>: ELECTRICAL DRAWINGS ARE CONSIDERED DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK AND SYSTEMS. REFER TO ARCHITECTURAL DRAWINGS TO VERIFY LOCATION OF EQUIPMENT, ETC. COORDINATE ROUGH-IN REQUIREMENTS AND INSTALLATION REQUIREMENTS WITH OTHER TRADES.
  - 14.B. QUALITY OF MATERIALS: NEW, BEST OF THEIR RESPECTIVE KIND, FREE FROM DEFECTS, AND LISTED BY UNDERWRITERS LABORATORIES, INC. AND BEARING THEIR LABEL.
  - 14.C. VOLTAGE CHARACTERISTICS: 277/480 VOLT AND 120/208 VOLT, 3 PHASE, 4 WIRE, 60 HERTZ WITH GROUNDED NEUTRAL AS NOTED.
  - 14.D. INSTALL ALL NEW WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES.
  - 14.E. VISIT SITE AND INSPECT EXISTING FACILITIES BEFORE BID IN ORDER TO ENSURE PROPER EVALUATION OF WORKING CONDITIONS AND LOCATION OF EXISTING EQUIPMENT.
- 15. WIRING, DISTRIBUTION EQUIPMENT AND DEVICES:
  - 15.A. CONDUCTORS: COPPER, IN ACCORDANCE WITH ASTM STANDARDS, SIZE REFERENCES AWG. CONDUCTORS ARE BASED ON 90°C RATING. NO. 10 AND SMALLER - SOLID, THHN OR THHW 600 VOLT; NO. 8 AND LARGER - STRANDED THHW OR THHN 600 VOLT. MINIMUM SIZE:
    - 15.A.I. TYPE MC CABLE WITH INSULATED GROUNDING CONDUCTOR FOR BRANCH CIRCUITING AND FEEDERS, UP TO A MAXIMUM OF 20 AMPS PER CIRCUIT, MAY BE SUBSTITUTED FOR CONDUCTORS IN CONDUIT. SUPPORT CABLE EVERY 6'-0" AND MITHIN 12" OUTLET AND IN ACCORDANCE WITH THE NEC. CABLE MUST BE
    - SUPPORTED IN A NEAT AND ORDERLY MANNER. 15.A.2. ALL CONDUCTORS SHALL BE IDENTIFIED BY COLOR AS INDICATED IN THE COLOR CODE CHART.

COLOR CODE CHART					
	PHASE A	PHASE B	PHASE C	NEUTRAL	GROUND
120/208	BLACK	RED	BLUE	MHITE	GREEN
277/480V	BROWN	ORANGE	YELL OW	GRAY	GREEN

- 15.B. <u>RACEWAYS</u>: (ROUTE CONCEALED BEHIND OR ABOVE BUILDING FINISHES UON)
  - 15.B.I. ELECTRIC METALLIC TUBING (EMT), THIN WALL PIPE, GALVANIZED, MINIMUM 1/2" EXCEPT AS NOTED OR REQUIRED FOR WIRING. 15.B.2. ALL FITTINGS AND COUPLINGS SHALL BE STEEL - CAST FITTINGS PROHIBITED.
- 15.C. <u>PEVICE PLATES</u>: PROVIDE BRUSHED STAINLESS STEEL PLATES FOR ALL DEVICES UON.

### 16. <u>GROUNDING SYSTEM:</u>

16.A. <u>EQUIPMENT</u>: GROUND NON-CURRENT CARRYING METAL PARTS OF THE ELECTRICAL SYSTEM. PROVIDE A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR WITH ALL FEEDERS AND BRANCH CIRCUITS, SIZED IN ACCORDANCE WITH THE OVERPROTECTIVE DEVICE SERVING THAT FEEDER OR BRANCH CIRCUIT.

### 17. <u>DEMOLITION:</u>

- 17.A. DEVICES BEYOND REMODELED AREAS OF THIS CONTRACT THAT ARE WIRED THROUGH OR FROM OUTLETS TO BE REMOVED OR ABANDONDED SHALL REMAIN AND REMAIN OPERABLE.
- 17.B. REMOVE ALL ACCESSIBLE EXISTING CONDUIT NOT BEING USED.
- 17.C. REMOVE ALL EXISTING WIRE AND CABLE NOT BEING USED.
- 17.D. WHERE EXISTING ELECTRICAL DEVICES ARE SHOWN BEING REMOVED AND JUNCTION BOXES ARE NOT BEING RE-USED, REMOVE EXISTING WIRE AND CABLE, PROVIDE BLANK COVERPLATE AND PAINT TO MATCH EXISTING.
- 17.E. PROVIDE A TYPEWRITTEN INVENTORY TO OWNER INCLUDING ALL ELECTRICAL DEVICES BEING REMOVED: I.E. FIXTURES, SWITCHES, ETC. THE OWNER SHALL THEN DIRECT WHICH ITEMS HE WISHES TO RETAIN AND WHICH TO DISCARD. DEVICES BEING DISCARDED SHALL THEN BE REMOVED FROM THE PROJECT SITE.
- 17.F. FOR PLAN LINETYPE DESIGNATIONS OF REMOVED, RELOCATED, EXISTING AND NEW DEVICES REFER TO THE ELECTRICAL SYMBOLS LIST.

# ELECTRICAL ABBREVIATIONS

ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AIR HANDLING UNIT AMG AMERICAN WIRE GUAGE BREAKER CONDUIT C OR COND CIRCUIT CEILING CONDENSING UNIT CU DUCT HEATING COIL (E) OR EXIST EXISTING EMPTY CONDUIT W/PULL WIRE EXHAUST FAN EMERGENCY ELECTRIC METALLIC TUBING EP0 EMERGENCY POWER OFF EMC ELECTRIC WATER COOLER ELECTRIC WATER HEATER EMH

FACP FIRE ALARM CONTROL PANEL FAAP FIRE ALARM ANNUNCIATOR PANEL FULL LOAD AMPS FOOT FRACT FRACTIONAL FUSED SAFETY SWITCH GROUND FAULT INTERRUPTER

GROUND HORSEPOWER ISOLATED GROUND IMC INTERMEDIATE METAL CONDUIT JUNCTION BOX

KILOVOLT AMPS KΜ KILOWATT MAIN CIRCUIT BREAKER MCB MOUNTING HEIGHT (ABOVE FINISHED + OR MH

FLOOR) MLO MAIN LUGS ONLY MOCP MAXIMUM OVERCURRENT PROTECTION NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

NO. OR # NUMBER OVER CURRENT PROTECTION DEVICE OCPD PNL PANEL

RUNNING LOAD AMPS

NON-FUSED SAFETY SWITCH

POLE Φ OR PH PHASE

PROVISIONS FOR FUTURE POLYVINYL CHLORIDE RIGID GALVANIZED STEEL

ROOF TOP UNIT SWITCHBOARD TELEPHONE TYPICAL UNIT HEATER

VOLTAGE VARIABLE AIR VOLUME  $\vee$ A $\vee$ WIRE MITH **WEATHERPROOF** 

WALL HEATER UNLESS OTHERWISE NOTED

# ELECTRICAL SYMBOLS

### GENERAL SYMBOLS

■ 120/208 VOLT, 3 PHASE, 4 WIRE PANELBOARD

277/480 VOLT, 3 PHASE, 4 WIRE PANELBOARD

BRANCH CIRCUIT WIRING. PHASE, NEUTRAL AND GREEN INSULATED GROUND CONDUCTOR UON. STRAIGHT LINE INDICATES CIRCUITS ON EMERGENCY POWER UON.

BRANCH CIRCUIT HOMERUN TO PANELBOARD. QUANTITY OF ARROWHEADS INDICATES QUANTITY OF CIRCUITS IN RUN.

CROSSMARKS INDICATE QUANTITY OF CONDUCTORS

-CROSSMARK INDICATES AN ISOLATED GREEN INSULATED GROUND CONDUCTOR

—CROSSMARK INDICATES NEUTRAL CONDUCTOR ONLY SHALL BE #10 AWG. -CROSSMARKS INDICATE PHASE OR SWITCH CONDUCTORS. REFER TO PANEL SCHEDULE FOR SIZE

**DEMOLITION PLANS:** RETURN TO BUILDING STOCK DEVICES AND FIXTURES TO BE RELOCATED THAT ARE NOT REUSED.

FIXTURES AND DEVICES SHOWN WITH LIGHT SOLID LINES ARE EXISTING TO REMAIN AND REMAIN OPERABLE.

NEW WORK PLANS: FIXTURES AND DEVICES SHOWN WITH DARK SOLID LINES ARE NEW

OPERABLE.

NEW LOCATIONS.

RACEWAY UP

RACEWAY DOWN

-II GROUND

### LIGHTING SYMBOLS

S SINGLE POLE SWITCH (+48")

PUSH BUTTON STATION

PUSH TO EXIT BUTTON

MOTION SENSOR

### COMMUNICATIONS / AUXILIARY SYSTEMS SYMBOLS

TELEPHONE / DATA WALL OUTLET (+18")

TELEPHONE WALL OUTLET (+18")

COMPUTER OUTLET (+18") (SAME AS TELEPHONE OUTLET SPECS.) TELEPHONE / DATA FLOOR OUTLET

TELEPHONE FLOOR OUTLET

### FIRE ALARM SYMBOLS

FIRE ALARM VISUAL DEVICE ONLY MINIMUM 15 CANDELA STROBE (UON ON FLOOR PLAN) (+80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS LOWEST) ADA APPROVED UON, (DEVICE WITHOUT STEM IS CEILING MOUNTED)

FIRE ALARM AUDIO/VISUAL DEVICE MINIMUM 15 CANDELA STROBE (UON ON FLOOR PLAN) (+80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS LOWEST) ADA APPROVED UON (DEVICE WITHOUT STEM IS CEILING MOUNTED)

FIRE ALARM AUDIBLE DEVICE (SPEAKER), CEILING MOUNTED.

F FIRE ALARM MANUAL PULL STATION (+48")

SMOKE DETECTOR CEILING MOUNTED

DUCT MOUNTED SMOKE DETECTOR

### POWER SYMBOLS

JUNCTION BOX

SAFETY SWITCH

COMBINATION MOTOR STARTER DISCONNECT WITH OVERLOAD DEVICE.

MOTOR CONNECTION

DUPLEX RECEPTACLE (+18")

DOUBLE DUPLEX RECEPTACLE (+18")

G.F.I. DUPLEX RECEPTACLE (+44")

WEATHERPROOF, G.F.I. DUPLEX RECEPTACLE (+18")

SPECIAL, NEMA CONFIGURATION, RECEPTACLE

DUPLEX FLOOR RECEPTACLE

SURFACE MOUNTED DUPLEX RECEPTACLE (+18") SURFACE MOUNTED G.F.I. DUPLEX RECEPTACLE (+44")

# DRAWING LIST

ED000 COVER SHEET - ELECTRICAL EDOOI PI LEVEL DEMOLITION PLAN - ELECTRICAL EDIOI FIRST FLOOR DEMOLITION PLAN - ELECTRICAL ED201 SECOND FLOOR DEMOLITION PLAN - ELECTRICAL ED301 SIXTH FLOOR DEMOLITION PLAN - ELECTRICAL

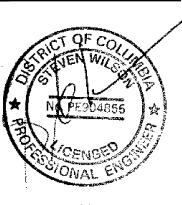
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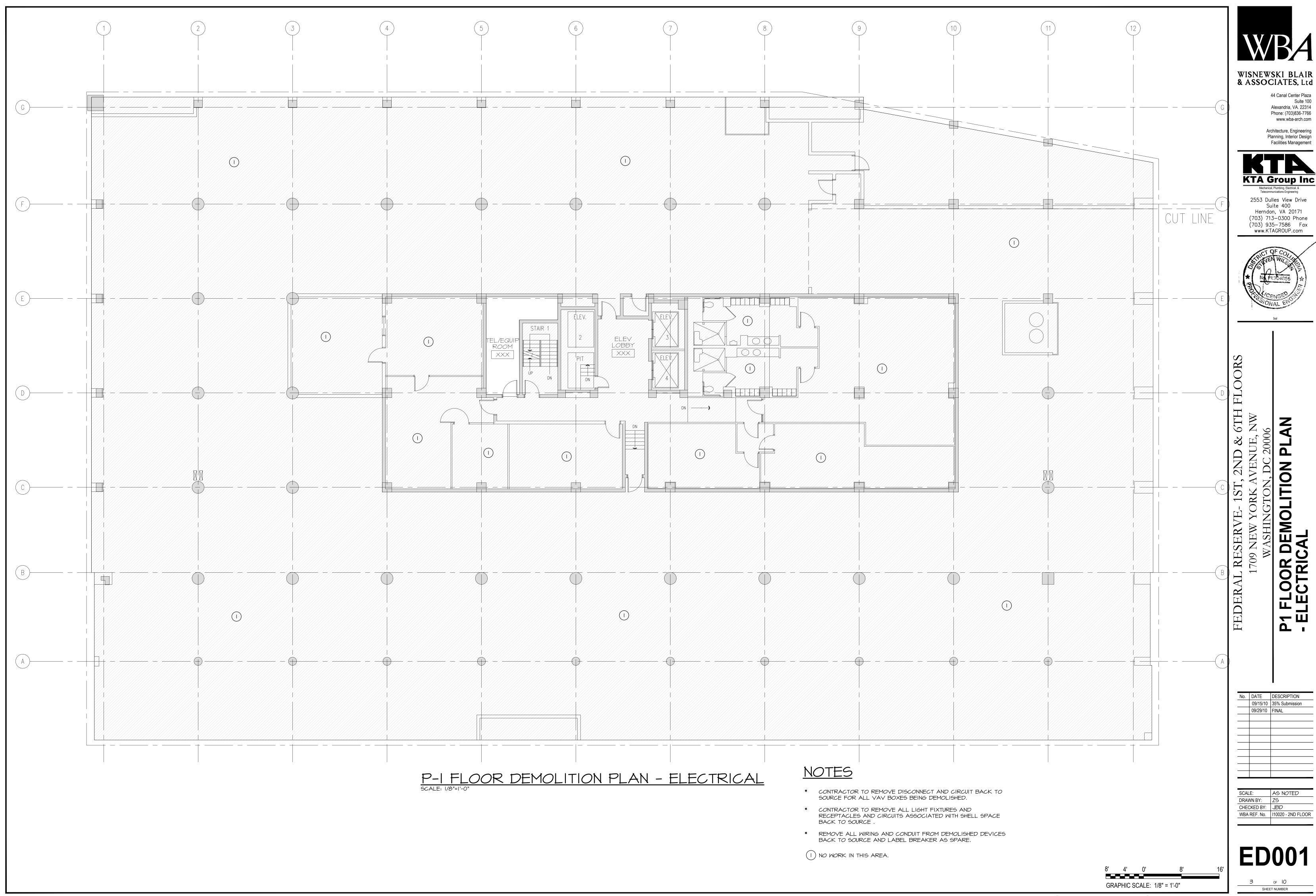
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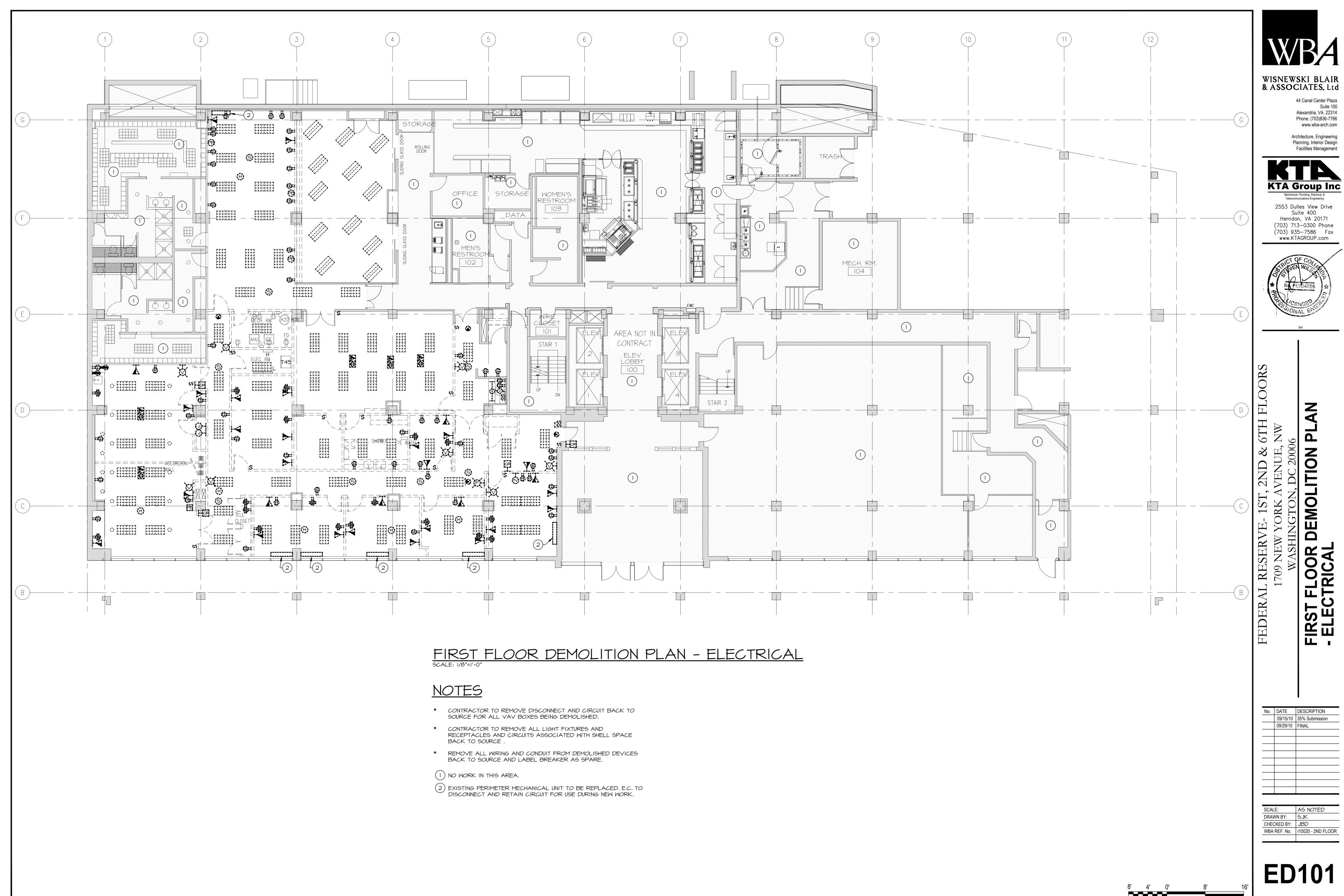
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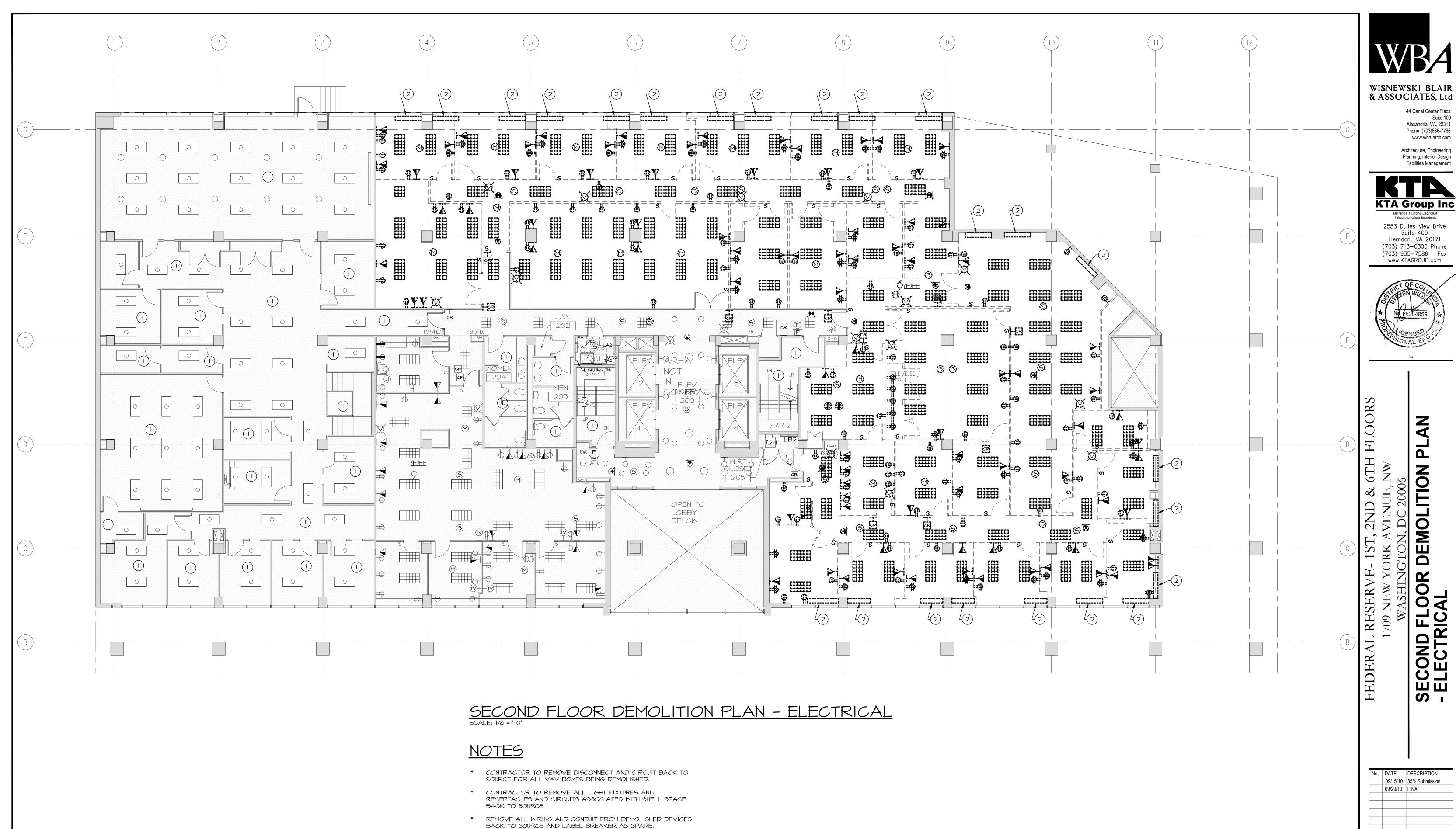
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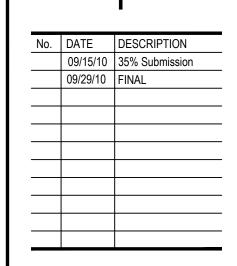
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- (I) NO WORK IN THIS AREA.
- 2 EXISTING PERIMETER MECHANICAL UNIT TO BE REPLACED. E.C. TO DISCONNECT AND RETAIN CIRCUIT FOR USE DURING NEW WORK.



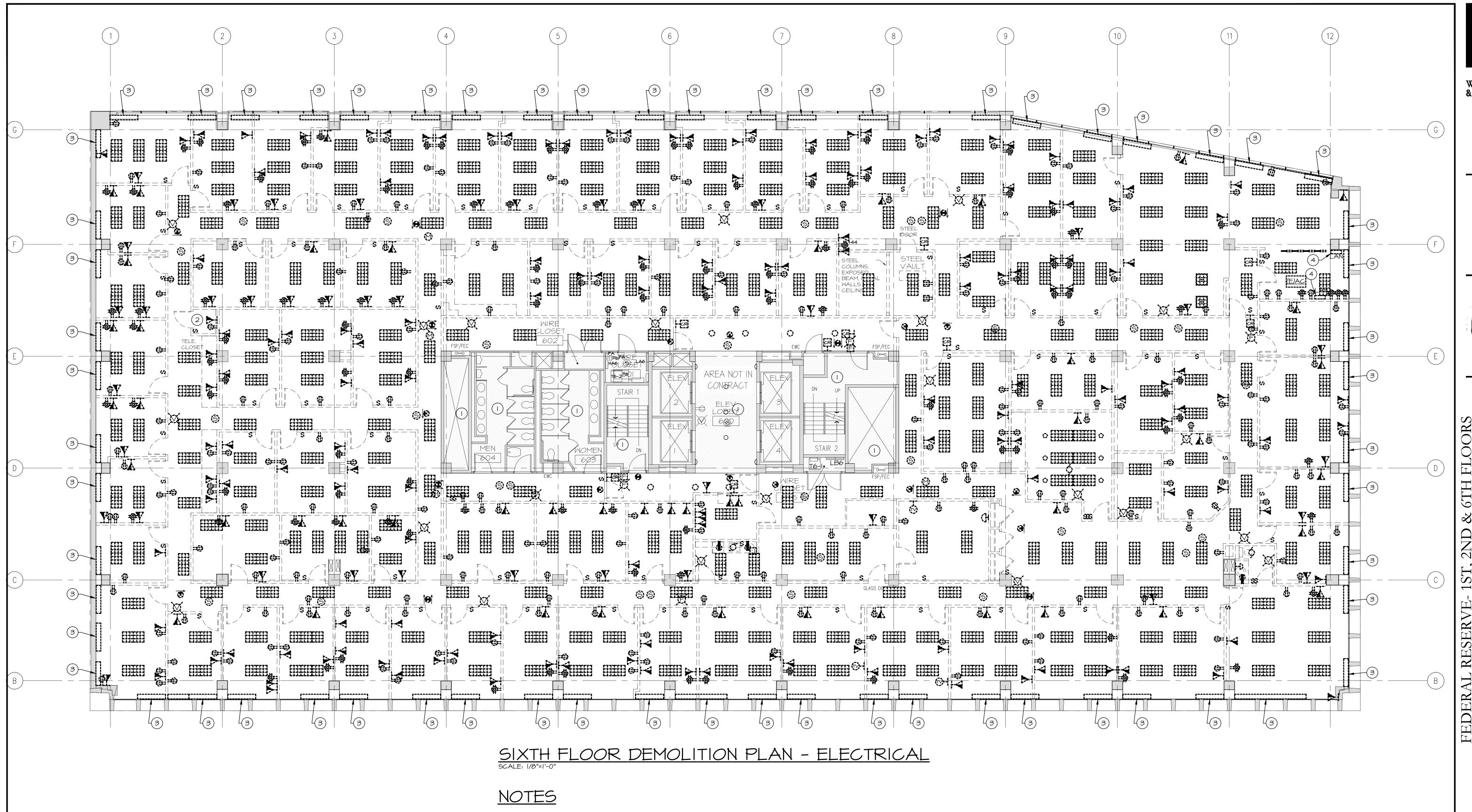
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- \* CONTRACTOR TO REMOVE DISCONNECT AND CIRCUIT BACK TO SOURCE FOR ALL VAV BOXES BEING DEMOLISHED.
- \* CONTRACTOR TO REMOVE ALL LIGHT FIXTURES AND RECEPTACLES AND CIRCUITS ASSOCIATED WITH SHELL SPACE BACK TO SOURCE .
- \* REMOVE ALL WIRING AND CONDUIT FROM DEMOLISHED DEVICES BACK TO SOURCE AND LABEL BREAKER AS SPARE.
- (I) NO WORK IN THIS AREA.
- (2) CONTRACTOR TO REMOVE ALL LAN ROOM EQUIPMENT FROM THIS ROOM INCLUDING, LADDER RACKS, IIO BLOCKS AND GROUND BAR. REMOVE ALL CABLES AND CONDUITS BACK TO SOURCE.
- 3 EXISTING PERIMETER MECHANICAL UNIT TO BE REPLACED. E.C. TO DISCONNECT AND RETAIN CIRCUIT FOR USE DURING NEW WORK.
- (4) CONTRACTOR TO REMOVE LAN PANELS FROM THIS ROOM INCLUDING GROUND BAR. REMOVE ALL CABLES AND CONDUITS BACK TO SOURCE.
- (5) EXISTING MECHANICAL UNIT TO BE REMOVED. E.C. TO DISCONNECT AND REMOVE BRANCH CIRCUIT BACK TO SOURCE.

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

**ED301** 

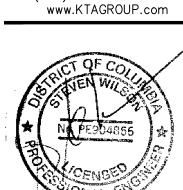
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09/15/10 | 35% Submission

AS NOTED

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## GENERAL NOTES

- 1. "REMOVE" SHALL MEAN CONTRACTOR SHALL DISCONNECT AND CLEAR FROM SITE.
- 2. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT LEAST 24 HOURS IN ADVANCE BEFORE ANY EXISTING FIRE ALARM OR FIRE PROTECTION SYSTEM IS SHUT DOWN.
- 3. ANY CONFLICTS BETWEEN SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT TO THE OWNER"S ATTENTION IMMEDIATELY. THE CONTRACTOR(S) SHALL NOT PROCEED WITH ANY WORK EXCEPT AT THEIR OWN RISK, UNTIL CLARIFICATIONS OR CONFLICTS ARE ISSUED TO THE CONTRACTORS BY THE OWNER.
- 4. WORK IN OCCUPIED AREAS SHALL BE PROPERLY SECURED WITH BARRIERS SO AS NOT TO CREATE A SAFETY HAZARD. MATERIALS SUCH AS TOOLS, LADDERS AND INSTALLATION MATERIAL SHALL BE KEPT TO A MINIMUM AND SHALL ALLOW EASY PASSAGE OF BUILDING TENANTS. PROVIDE DROP CLOTHS OR OTHERWISE PROTECT BUILDING FINISHES FROM ALL CONSTRUCTION DEBRIS AND DUST. REMOVE ALL TRASH AND DEBRIS ON A DAILY BASIS AND RESTORE AREAS TO PRE—CONSTRUCTION CONDITION AS WORK IS COMPLETED.
- 5. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE REGARDING MODIFICATIONS TO EXISTING FACP. EXISTING FACP SHALL NOT BE LEFT OUT OF SERVICE WHILE CONTRACTOR IS NOT ON SITE.

### SYMBOL LIST

SYMBOL DESCRIPTION

STROBE TO BE DEMOLISHED

Tip MANUAL PULL STATION TO BE DEMOLISHED

SPEAKER TO BE DEMOLISHED

#### ABBREVIATIONS

_	ADDREVIATIONS	
	<u>ABBREVIATION</u>	<u>DESCRIPTION</u>
	ADA.	AMERICAN DISABILITIES ACT
	A.F.F.	ABOVE FINISHED FLOOR
	APPROX.	APPROXIMATE
	AWG	AMERICAN WIRE GAUGE
	C.	CONDUIT
	CMU	COMMON MASONRY UNIT
	COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE
	D.	DISCONNECT
	EPO	EMERGENCY POWER OUTLET
	EMT.	ELECTRICAL METALLIC TUBING
	EQ	EQUAL
	EXIST	EXISTING
	MTD	MOUNTED
	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
	N.I.C.	NOT IN CONTRACT
	NTS.	NOT TO SCALE
	0.C.	ON CENTER
	PR.	PAIR
	PS R.	POWER SUPPLY
	REX	REMOVE
	RM.	REQUEST TO EXIT
	TSP	ROOM
	TYP.	TWISTED SHIELDED PAIR TYPICAL DRAWING REFERENCE
	UL.	UNDERWRITERS LABORATORIES
	U.O.N.	UNLESS OTHERWISE NOTED
	VAC.	VOLTS ALTERNATING CURRENT
	VP.	VANDAL PROOF
	**	VARIDAL I NOOI

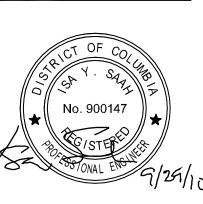


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Seal

LITION

AND LEGEND - DEMOLITIO FIRE ALARM

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No. DATE DESCRIPTION
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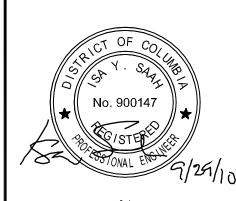
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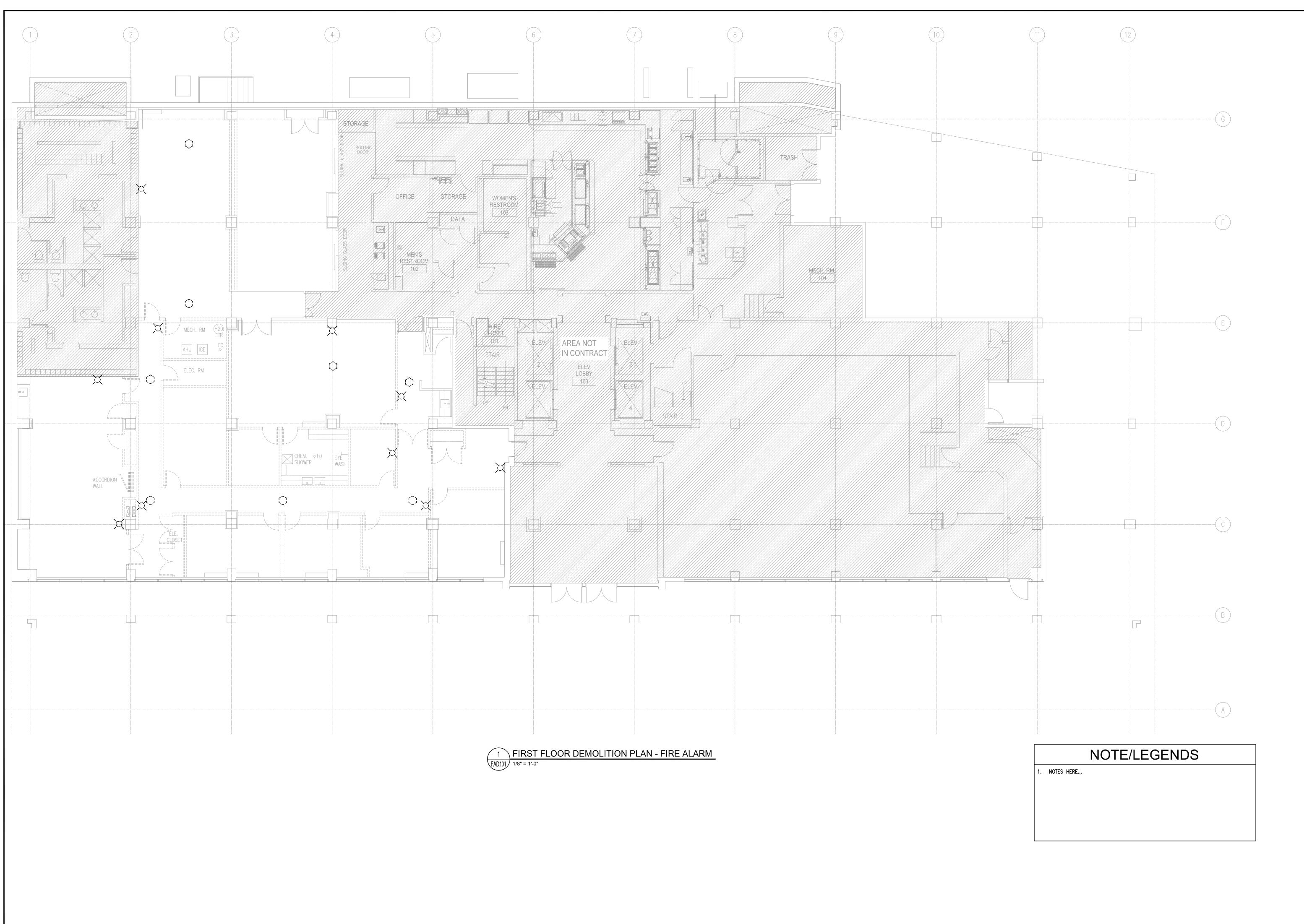
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P1 LEVEL DEMOLITION PLAN
FIRE ALARM

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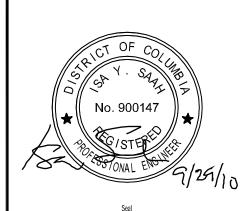
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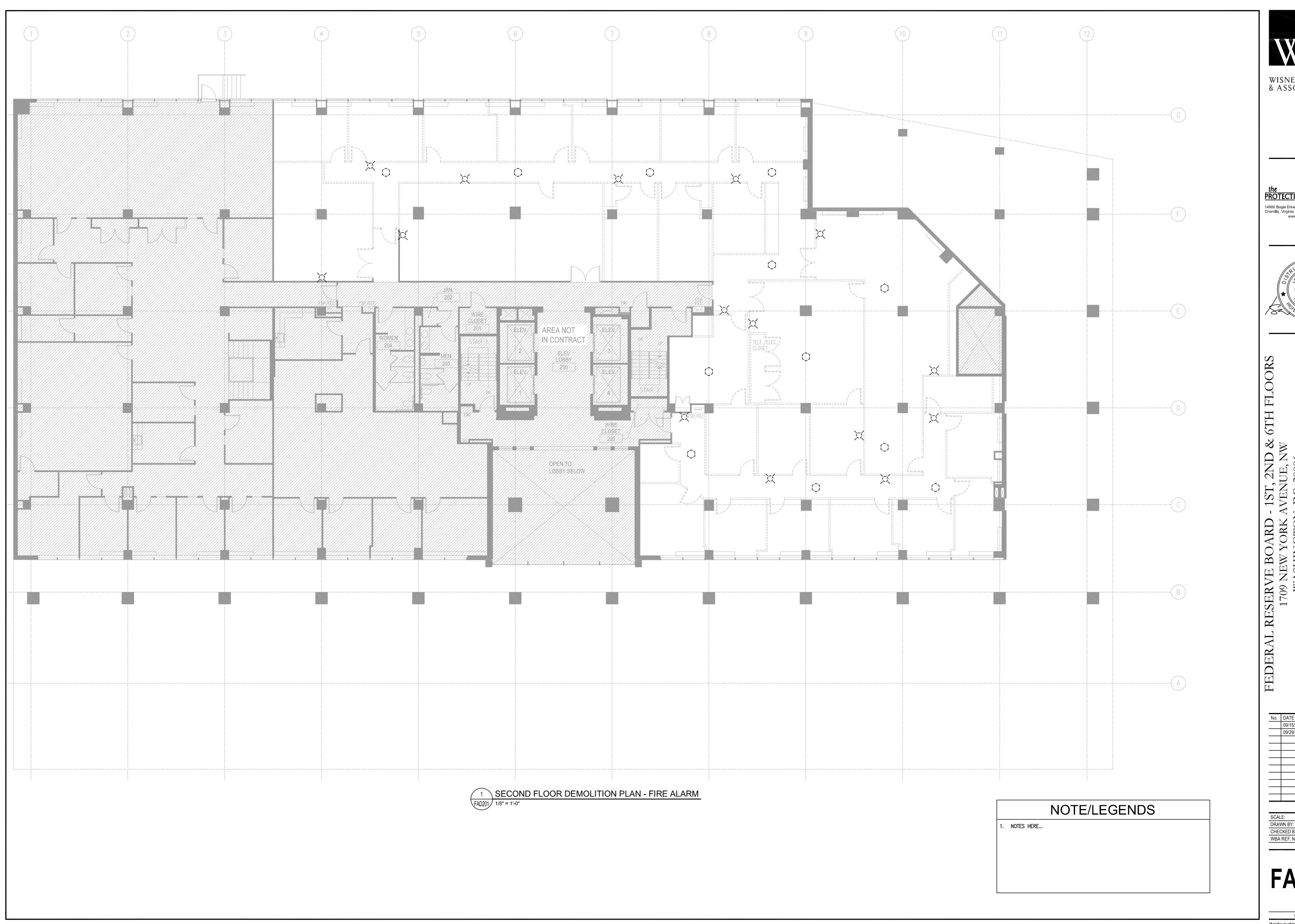
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FIRST FLOOR PLAN DEMOLITION PLAN
FIRE ALARM

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09/29/10 FINAL

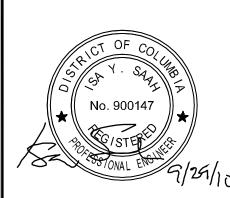
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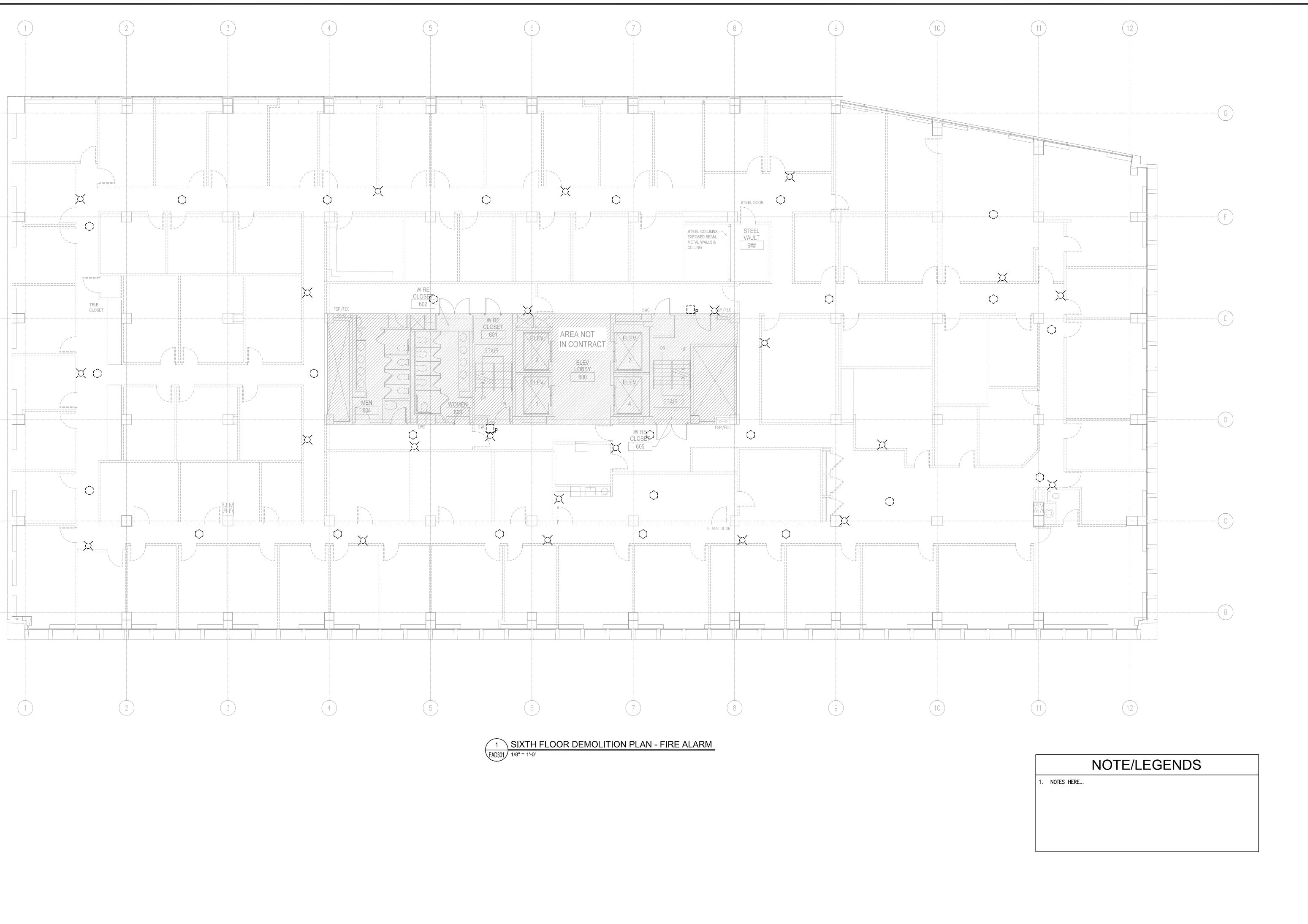


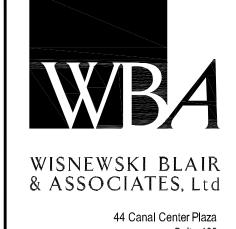
NW 9 N PLAN

SECOND FLOOR DEMOLITION PLAN
FIRE ALARM

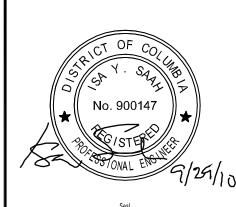
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SIXTH FLOOR DEMOLITION PLAN
FIRE ALARM

No. DATE DESCRIPTION
09/15/10 35% SUBMISSION
09/29/10 FINAL

SCALE: AS INDICATED
DRAWN BY: JDC
CHECKED BY: IYS
WBA REF. No. I10017.01

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GENERAL NOTES **ABBREVIATIONS** SYMBOL LIST <u>SYMBOL</u> **DESCRIPTION** 1. REMOVE ALL TELECOM AND DATA JACKS, PULL BACK ALL ABANDON WIRE AND REMOVE FROM THE SITE. **ABBREVIATION DESCRIPTION** ---- LINE TYPE - EXISTING DEVICES TO BE REMOVED ACS ADA. A.F.F. ACCESS CONTROL SYSTEM AMERICAN DISABILITIES ACT 2. REMOVE ALL SECURITY CARD READERS, KEY PADS AND ALARM PANELS. CARD READER ABOVE FINISHED FLOOR 3. IN CLOSETS WHERE TELECOM/DATA PUNCH DOWN BLOCK ARE LOCATED, REMOVE ALL FIELD WIRING FROM PUNCH ADVANCED PROCESSING CONTROLLER APC WALL JACK APPROX. AWG BMS CAT 6 APPROXIMATE AMERICAN WIRE GAUGE BALANCED MAGNETIC SWITCH CATEGORY 6 ETHERNET CABLE INTERCOM CMU COTR CRT COMMON MASONRY UNIT CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE CATHODE RAY TUBE D.
DGP
DSP
SRINX
SRCNX
EPO
EMT.
EQ DISCONNECT DATA GATHERING PANEL DOOR POSITION SWITCH DOOR CONTROLLER BOARD CONTROL BOARD EMERGENCY POWER OUTLET ELECTRICAL METALLIC TUBING EXIST IDS EXISTING INTRUSION DETECTION SYSTEM INTERNET PROTOCOL MTD MOUNTED NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NOT IN CONTRACT NOT TO SCALE NTS. O.C. PIR. PR. ON CENTER PASSIVE INFRARED POWER SUPPLY REMOVE REX REQUEST TO EXIT ROOM SECURITY MANAGEMENT SECURITY MANAGEMENT SYSTEM TWISTED SHIELDED PAIR TYPICAL DRAWING REFERENCE UNDERWRITERS LABORATORIES U.O.N. VAC. UNLESS OTHERWISE NOTED VOLTS ALTERNATING CURRENT VIDEO TERMINAL CABINET VANDAL PROOF

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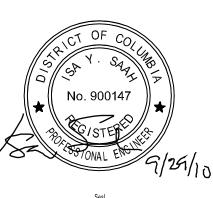
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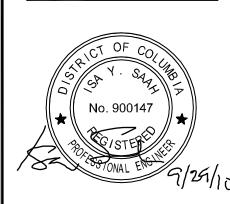
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P1 LEVEL DEMOLITION PLAN
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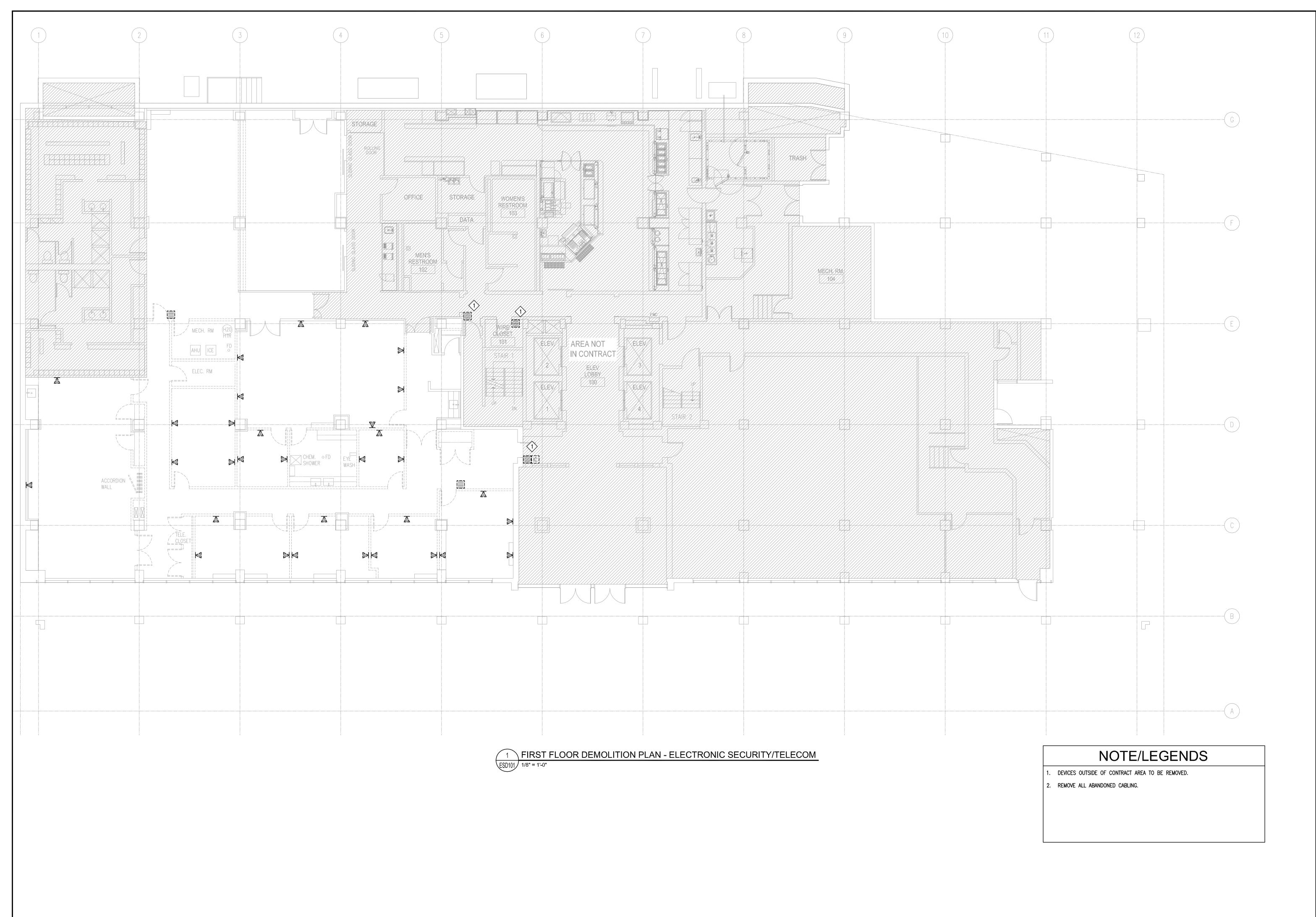
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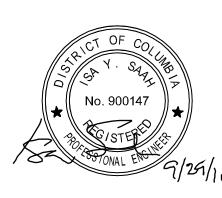
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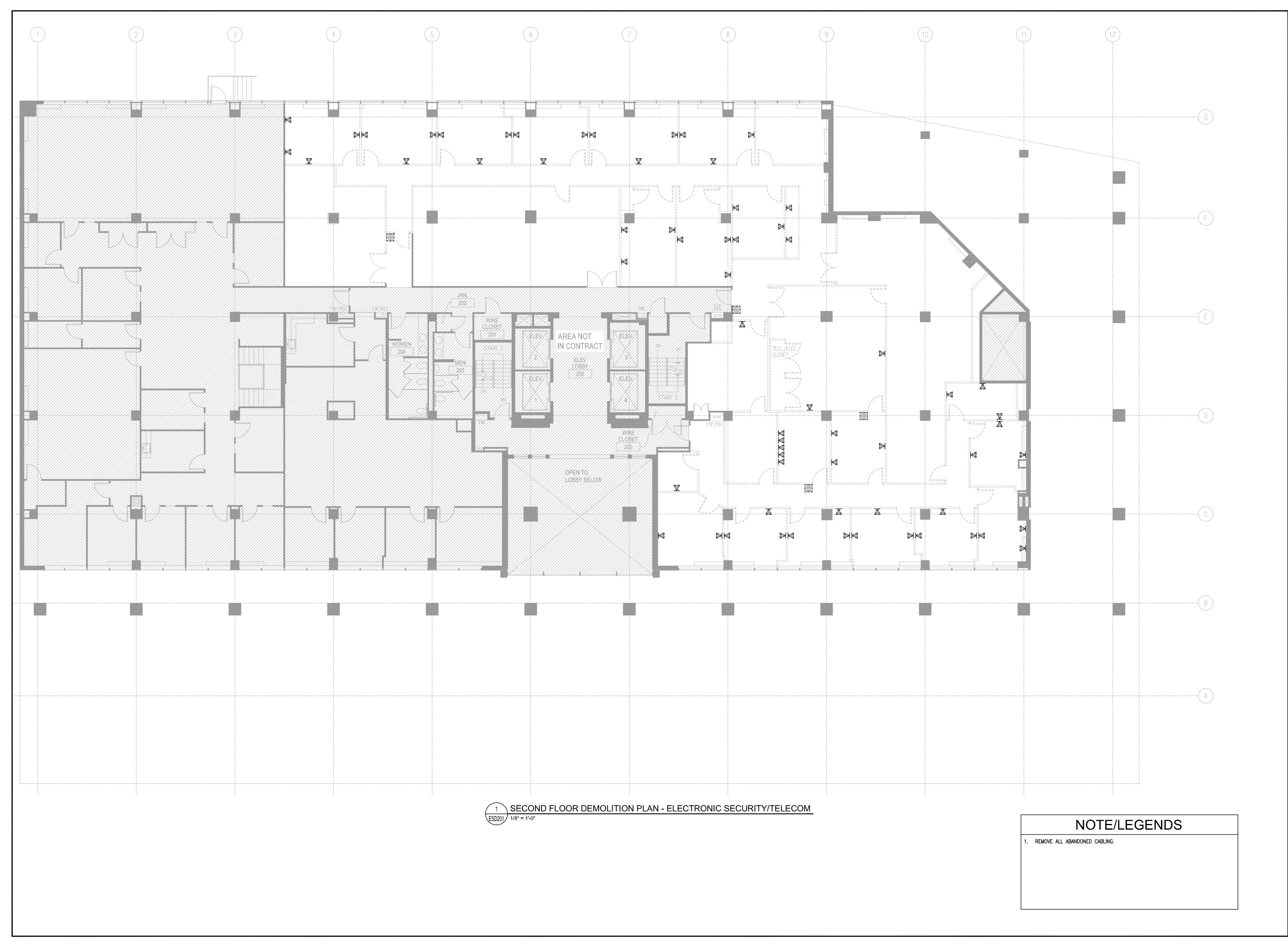
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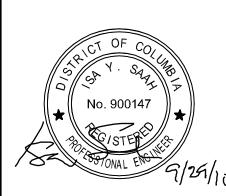
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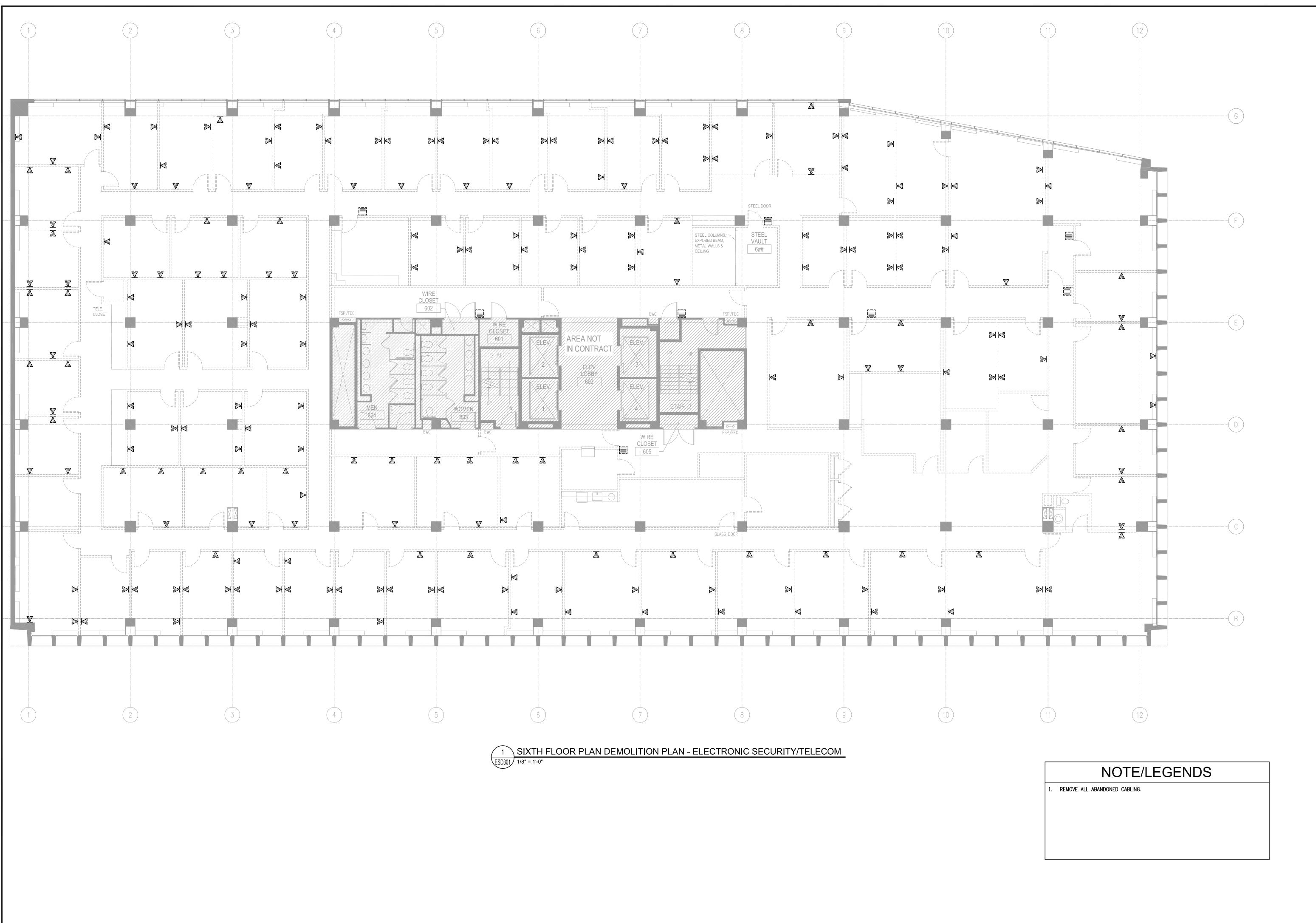
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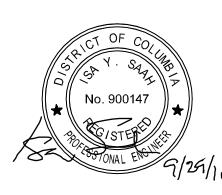
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LAN DEMOLITION SECURITY/TELEC FEDERAL RESERVE BOARD
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# GENERAL NOTES

- INFORMATION CONTAINED IN THESE DRAWINGS IS BASED ON EXISTING CONDITIONS AND FIELD MEASUREMENT VERIFICATION. THE INFORMATION CONTAINED HEREIN MAY REQUIRE ADJUSTMENTS AND/OR MODIFICATIONS TO CONFORM TO EXISTING CONDITIONS. IN ADDITION, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IF ANY DISCREPANCY IN THE EXISTING CONDITION SHOULD PROHIBIT EXECUTION OF THE DESIGN INTENT OF THESE
- 2. WORK IN OCCUPIED AREAS SHALL BE PROPERLY SECURED WITH BARRIERS SO AS NOT TO CREATE A SAFETY HAZARD. MATERIALS SUCH AS TOOLS, LADDERS AND INSTALLATION MATERIAL SHALL BE KEPT TO A MINIMUM AND SHALL ALLOW EASY PASSAGE OF BUILDING TENANTS. PROVIDE DROP CLOTHS OR OTHERWISE PROTECT BUILDING FINISHES FROM ALL CONSTRUCTION DEBRIS AND DUST. REMOVE ALL TRASH AND DEBRIS ON A DAILY BASIS AND RESTORE AREAS TO PRE CONSTRUCTION CONDITION AS WORK IS COMPLETED.
- CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT LEAST 24 HOURS IN ADVANCE BEFORE ANY EXISTING FIRE ALARM OR FIRE PROTECTION SYSTEM IS SHUT DOWN.
- 4. "REMOVE" SHALL MEAN CONTRACTOR SHALL DISCONNECT AND CLEAR FROM SITE.
- 5. ANY CONFLICTS BETWEEN SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT TO THE OWNER'S ATTENTION IMMEDIATELY. THE CONTRACTOR(S) SHALL NOT PROCEED WITH ANY WORK EXCEPT AT THEIR OWN RISK, UNTIL CLARIFICATIONS OR CONFLICTS ARE ISSUED TO THE CONTRACTORS BY THE OWNER.

#### SYMBOL LIST

	STMDOL LIST
<u>SYMBOL</u>	. <u>DESCRIPTION</u>
$\diamondsuit \!$	EXISTING-TO-REMAIN WATER FLOW SWITCH
Ø K	EXISTING-TO-REMAIN BUTTERFLY TYPE CONTROL VALVE WITH TAMPER SWITCH
Ŋ	EXISTING-TO-REMAIN CHECK VALVE
	- EXISTING-TO-REMAIN PIPING
$\otimes$	EXISTING-TO-REMAIN RISER PIPING
igotimes	START OF WORK
$\langle 1 \rangle$	KEYNOTE INDICATOR
~	PIPING CONTINUATION

### **ABBREVIATIONS**

_	ADDICEVIATIONS	
	<u>ABBREVIATION</u>	<u>DESCRIPTION</u>
	ADA.	AMERICAN DISABILITIES ACT
	A.F.F.	ABOVE FINISHED FLOOR
	APPROX.	APPROXIMATE
	AWG	AMERICAN WIRE GAUGE
	C.	CONDUIT
	CMU	COMMON MASONRY UNIT
	D.	DISCONNECT
	EQ	EQUAL
	EXIST	EXISTING
	MTD	MOUNTED
	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
	N.I.C.	NOT IN CONTRACT
	NTS.	NOT TO SCALE
	0.C.	ON CENTER
	PR.	PAIR
	R.	REMOVE
	RM.	ROOM
	TYP.	TYPICAL DRAWING REFERENCE
	UL. U.O.N.	UNDERWRITERS LABORATORIES UNLESS OTHERWISE NOTED
	ZCA	ZONE CONTROL ASSEMBLY
	ZUA	ZOINE CONTINUE ASSEMBLI

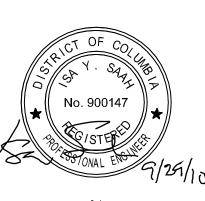


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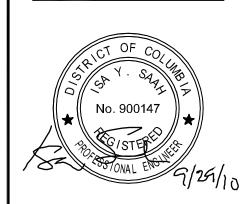
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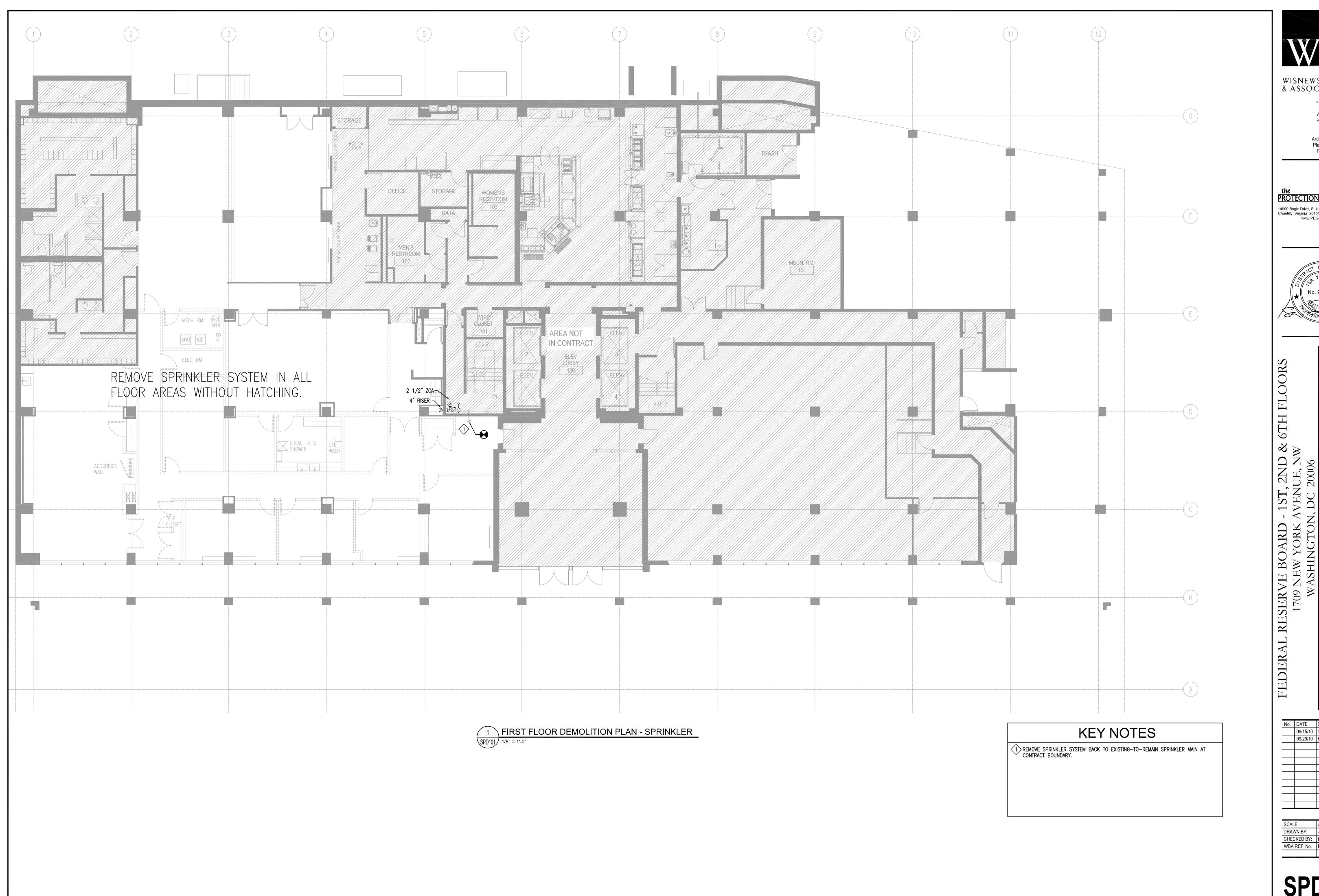
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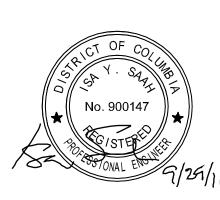
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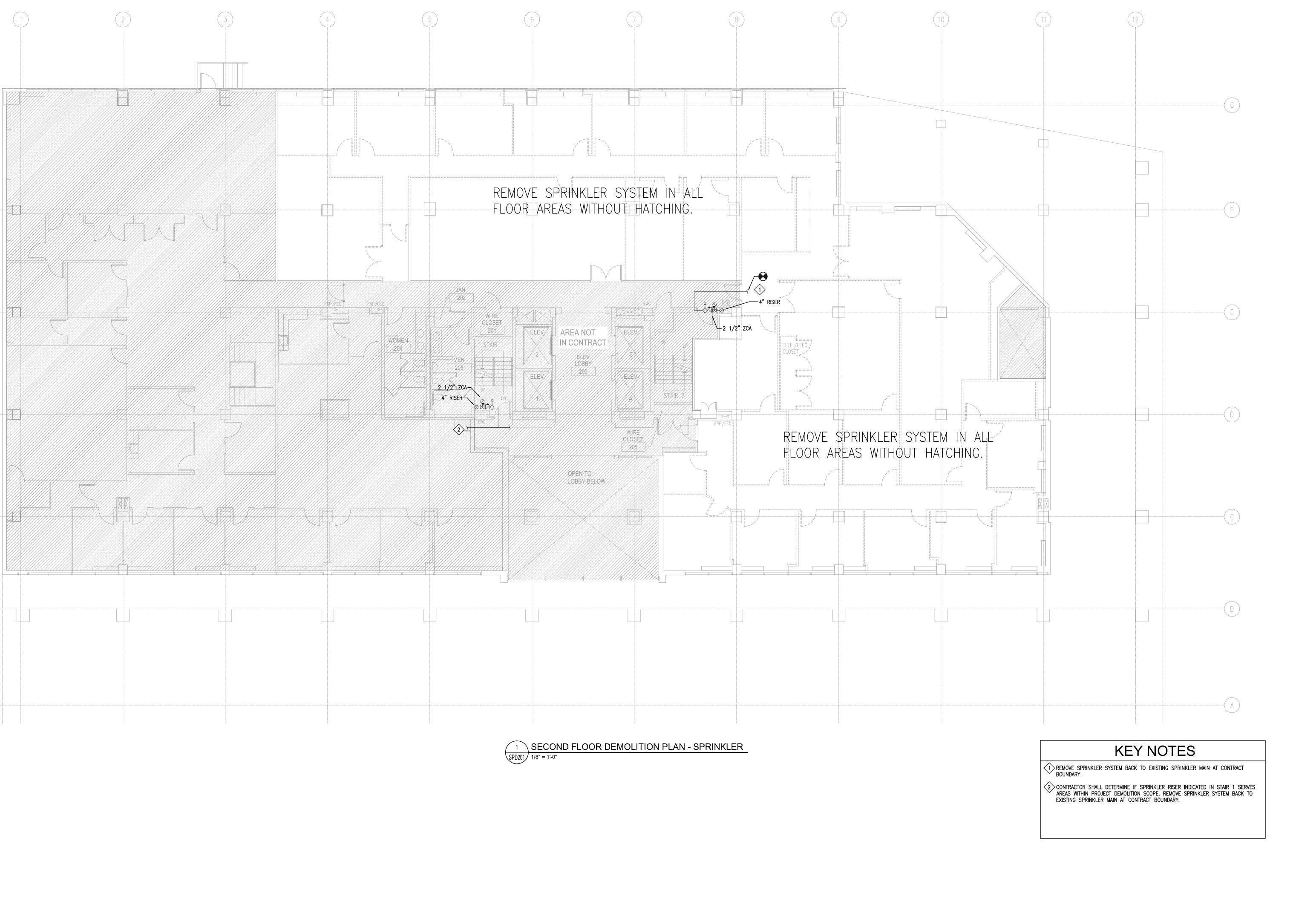
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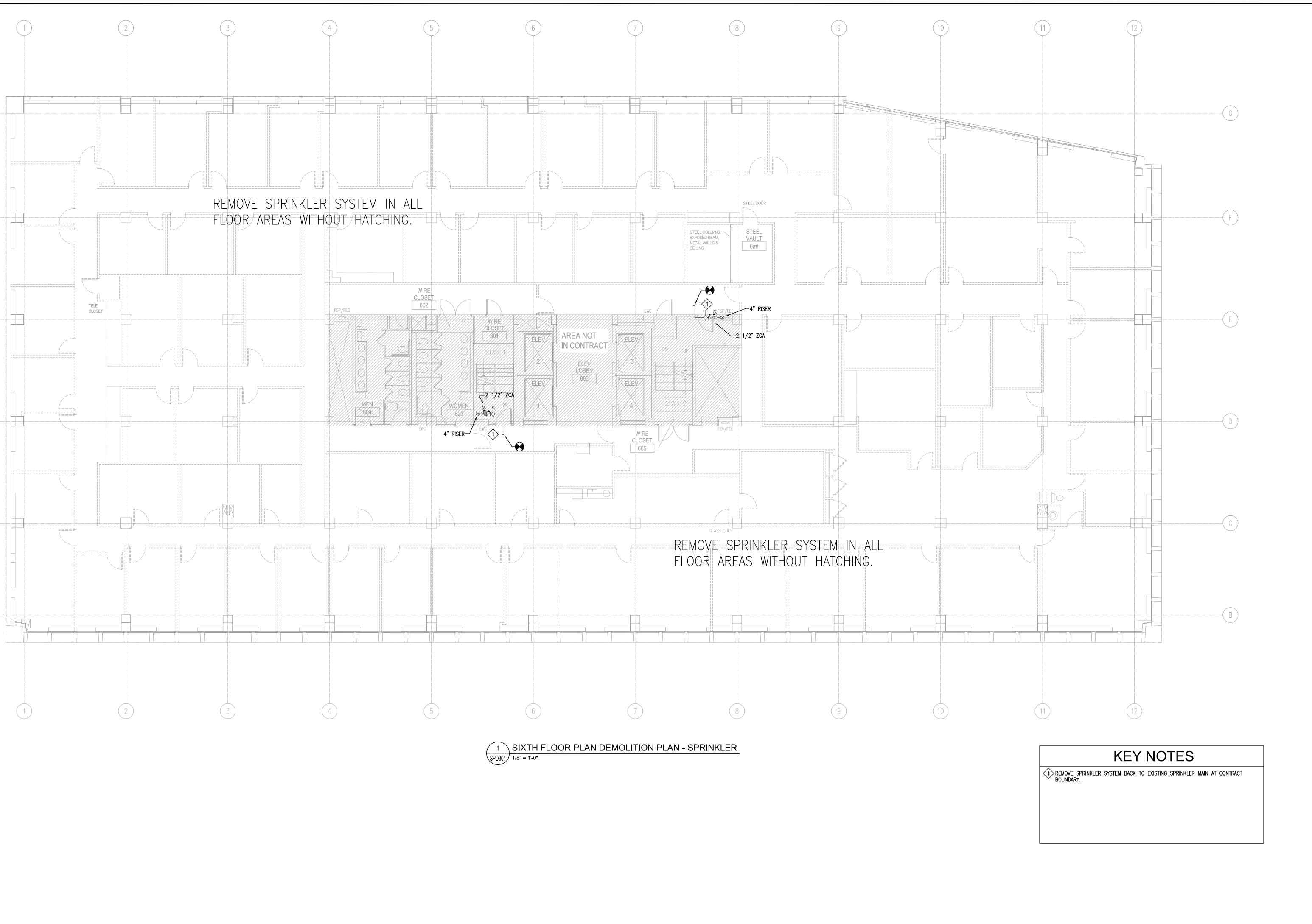


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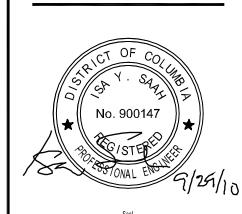
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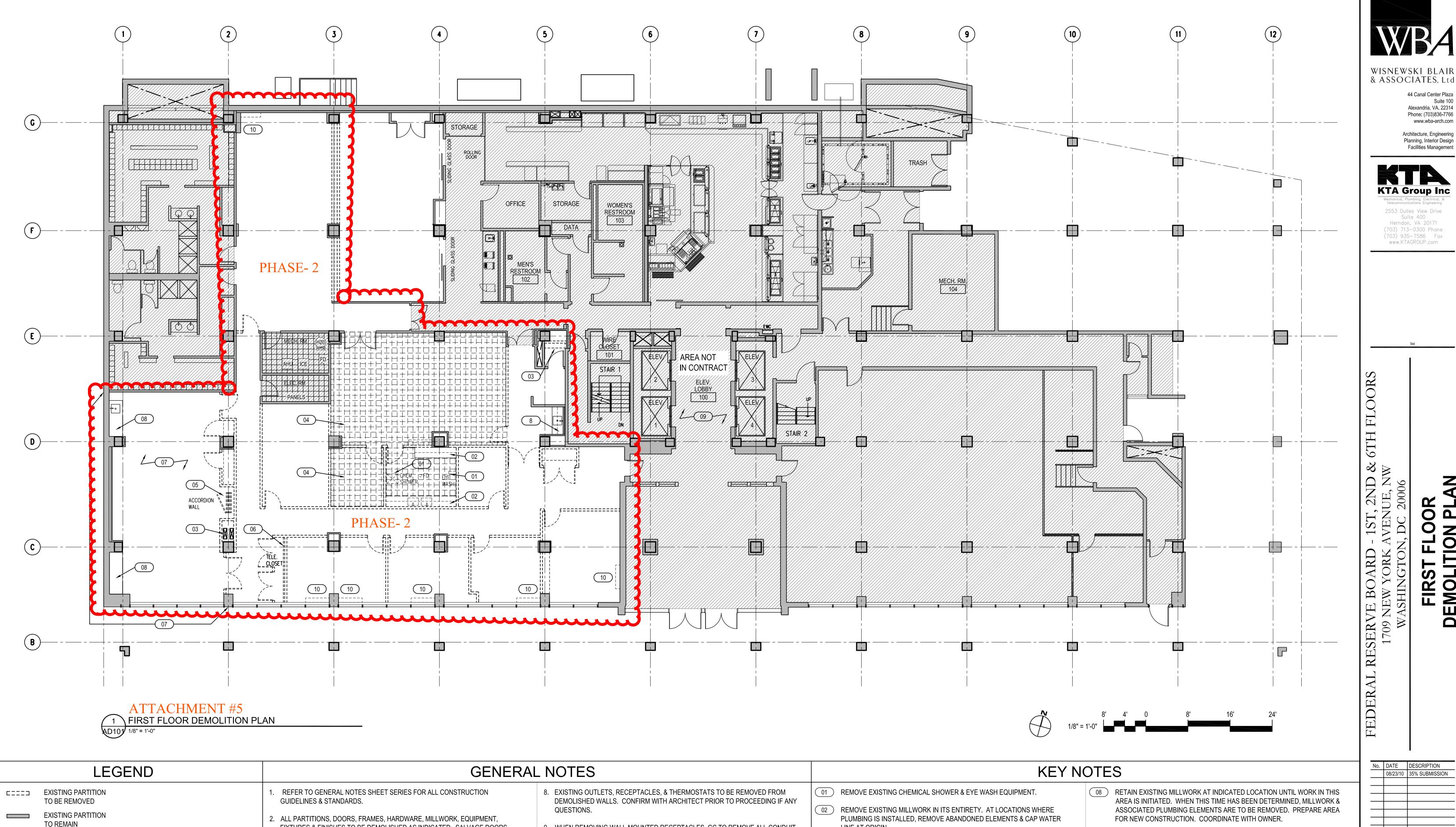


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SIXTH FLOOR DEMOLITION PLAN SPRINKLER

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**SPD301** 



12. REMOVE ALL FASTENERS, CHANNELS, TRACKS, ETC. FROM BASE BUILDING

13. THOROUGHLY CLEAN ALL SURFACES REMAINING DURING CONSTRUCTION AS

WALLS THAT ARE NOT PART OF THE ORIGINAL CONSTRUCTION.

REQUIRED TO PREPARE SPACE FOR NEW CONSTRUCTION.

**ROOM TAG** 

**KEY NOTE** 

NOTE: ITEMS SHOWN AS DASHED ON DEMOLITION PLAN ARE TO BE REMOVED.

PLUMBING EQUIPMENT - REFER TO M/E/P SHEETS FOR ADDITIONAL INFO.

7. ALL ELECTRICAL POWER MUST BE DISCONNECTED BEFORE STARTING

DISRUPTION TO ADJACENT TENANTS IS MINIMIZED.

DURING & AFTER DEMOLITION).

6. BUILDING FIRE ALARM INTEGRITY SHALL BE MAINTAINED AT ALL TIMES (BEFORE,

DEMOLITION. GC TO COORDINATE WITH OWNER & INSURE THAT ELECTRICAL

XXX

No. DATE DESCRIPTION 08/23/10 35% SUBMISSION FIXTURES & FINISHES TO BE DEMOLISHED AS INDICATED. SALVAGE DOORS, WHEN REMOVING WALL MOUNTED RECEPTACLES, GC TO REMOVE ALL CONDUIT LINE AT ORIGIN. FRAMES & HARDWARE FOR REUSE AS INDICATED. ON WALLS & WIRING BACK TO ORIGINATING PANEL. REFER TO ELECTRICAL (09) AT LOCATIONS WHERE DEMOLITION OCCURS & LEAVES EXISTING BASE FULL HEIGHT DOOR, 03 REMOVE EXISTING PARTITION TO INVESTIGATE HIDDEN CONDITIONS AT DRAWINGS FOR MORE ADDITIONAL INFORMATION. BUILDING CORE FINISHES DAMAGED, GC IS TO REPAIR THESE FINISHES TO FRAME & HARDWARE 3. ALL FINISHES INCLUDING FLOORING, BASE & WALL COVERING ARE TO BE LOCATION SHOWN. EXISTING FUNCTIONAL RISERS TO REMAIN. COORDINATE LIKE-NEW CONDITION. CONFIRM FINAL FINISH SELECTION W/ ARCHITECT. REMOVED. PREPARE ALL SURFACES TO RECEIVE NEW FINISHES AS REQUIRED.. 10. PROTECT ALL WINDOWS & SILLS FROM DAMAGE. FINDINGS WITH ARCHITECT & ENGINEER PRIOR TO PROCEEDING FURTHER. REMOVE EXISTING PERIMETER HVAC UNITS WHERE SHOWN. COORDINATE SCALE: AS INDICATED 04 REMOVE EXISTING VCT FLOORING & PREPARE SURFACE FOR FUTURE 4. PROTECT ALL EXISTING AREAS TO REMAIN DURING DEMOLITION. WITH M/E/P DRAWINGS FOR ADDITIONAL INFORMATION. 11. ALL EXISTING WINDOW BLINDS & SHADES TO REMAIN. GC TO PROTECT THEM DRAWN BY: CHECKED BY: FINISHES. FROM DAMAGE/DUST DURING DEMOLITION WORK. CONFIRM W/ BUILDING WBA REF. No. | | 110017.01 5. GC TO REVIEW & COORDINATE REMOVAL OF ANY MECHANICAL, ELECTRICAL, & MANAGEMENT AS TO WHO HAS WINDOW BLIND RESPONSIBILITY.

05 REMOVE EXISTING ACCORDION PARTITION, HARDWARE & CEILING TRACK &

07 DEMOLITION WORK IN THIS AREA IS TO BE COORDINATED WITH OWNER &

(06) REMOVE EXISTING FULL HEIGHT PLYWOOD TELEPHONE BOARD.

SUPPORT ABOVE.

OWNER'S SCHEDULE.

FIRS EMOL

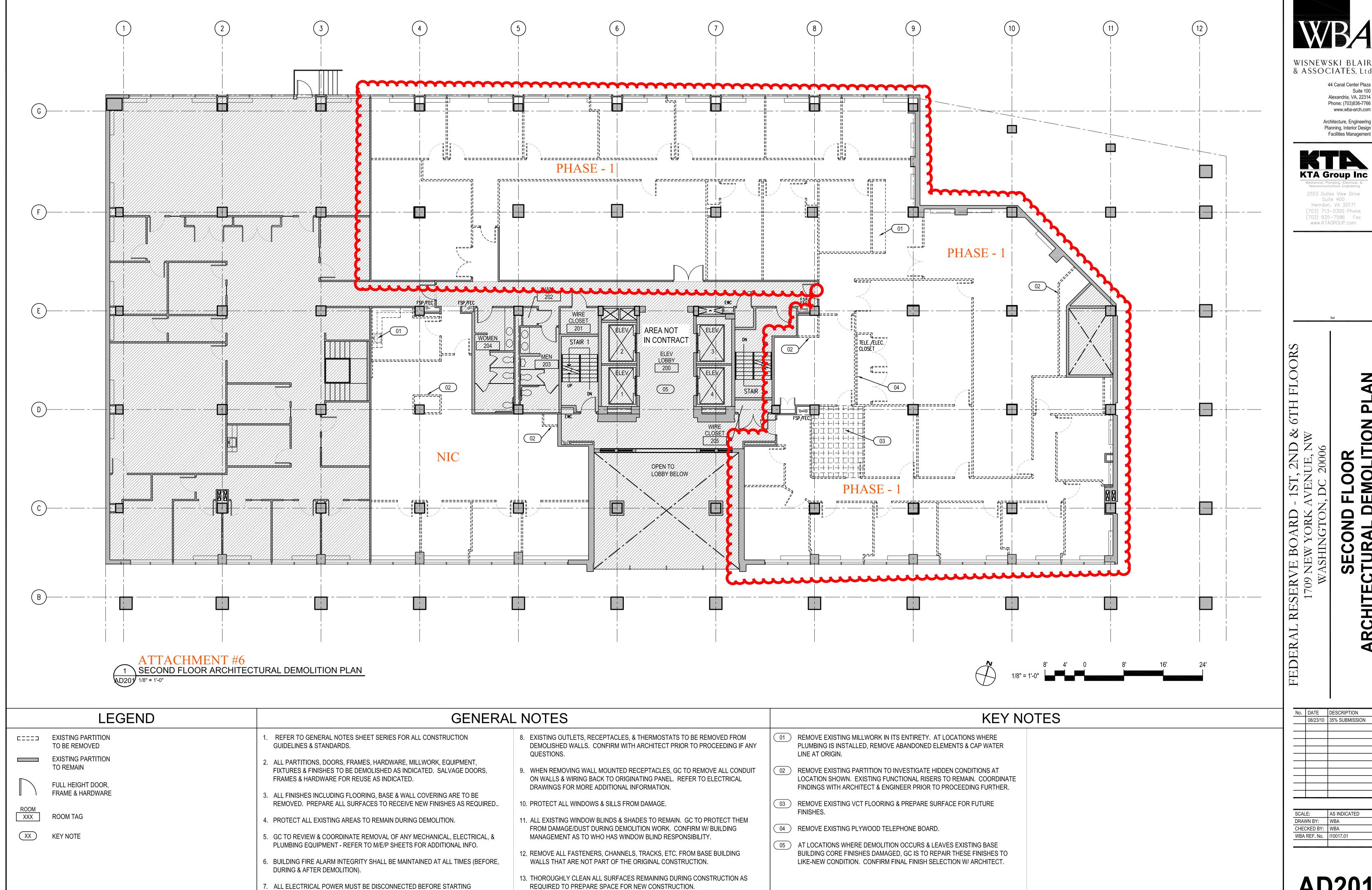
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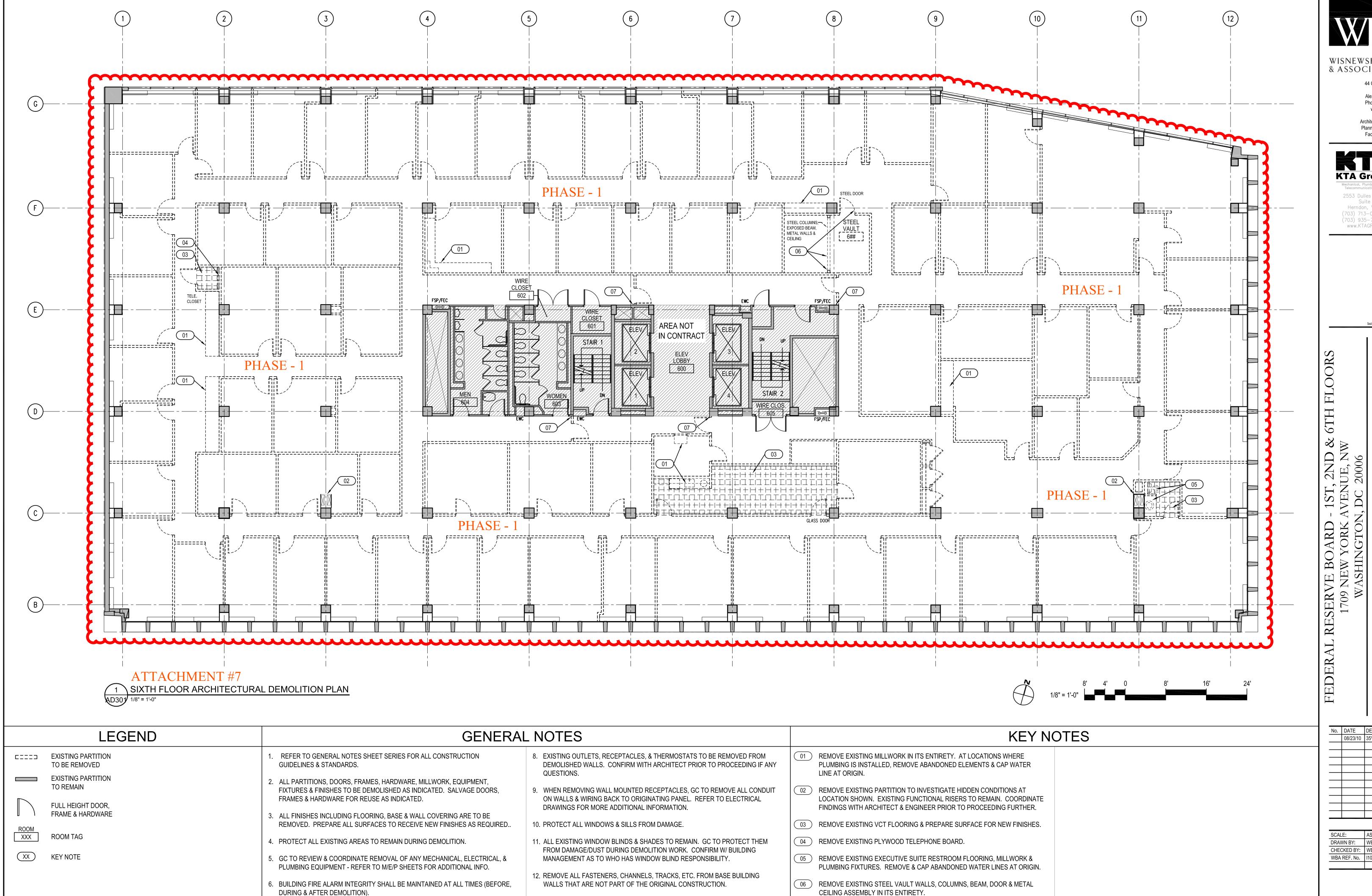
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13. THOROUGHLY CLEAN ALL SURFACES REMAINING DURING CONSTRUCTION AS

07 AT LOCATIONS WHERE DEMOLITION OCCURS & LEAVES EXISTING BASE

BUILDING CORE FINISHES DAMAGED, GC IS TO REPAIR THESE FINISHES TO

LIKE-NEW CONDITION. CONFIRM FINAL FINISH SELECTION W/ ARCHITECT.

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