

# DISTRICT OF COLUMBIA DEPARTMENT OF MENTAL HEALTH CONTRACTS AND PROCUREMENT ADMINISTRATION 64 NEW YORK AVENUE, NE 4<sup>TH</sup> FLOOR, WASHINGTON, DC 20002 PHONE: (202) 671-3174 \* FAX: (202) 671-3395

February 9, 2011

# AMENDMENT TWO (2) for REQUEST FOR QUOTES (RFQ) NO. RM-011-RFQ-057-DJW for ACOUSTIC SERVICES

#### TO ALL PROSPECTIVE BIDDERS:

The above referenced Request for Quotes (RFQ) is hereby amended as follows:

#### Questions from Bidders and Answers from the Program

| Question       | RFQ            | Question  |
|----------------|----------------|---|
| Number         | Section        |   |
| 1.             | N/A            | Will you be able to provide a set of drawings as per scale?             |
|                |                | The drawing is of poor quality reproduction and blurs out when you blow |
|                |                | it up. Accurate drawings are essential to do the quantity estimate.     |
| DMH RESPO      | NSE:           |   |
| Please see the | attached PDF   | File being issued with this Amendment. This PDF file includes the       |
|                |                | nal full size, to-scale drawings.                                       |
|                |                |   |
| Question       | RFQ            | Question  |
| Number         | Section        | _   |
| 2.             | N/A            | Is there a estimated range of value for the project?                    |
| DMH RESPO      | NSE:           |   |
|                |                | result of this RFQ Solicitation shall be made to the Responsive and     |
|                |                | ne lowest Quotation. There is no available estimated range of value for |
| this project.  |                |   |
|                |                |   |
| Question       | RFQ            | Question  |
| Number         | Section        |   |
| 3.             | N/A            | What is the length of each corridor?                                    |
| DMH RESPO      | NSE:           |   |
| Please referei | ice the drawin | ngs included in the PDF file issued with this Amendment. The            |
|                |                | the length from the full size scale drawings.                           |
|                |                |   |

| Question<br>Number | RFQ<br>Section | Question   |
|--------------------|----------------|--|
| 4.                 | N/A            | Will LSDBE contractors have price preference as per DC government norms? |

#### **DMH RESPONSE:**

Local Vendors may qualify for the District's Small, Local, Disadvantaged Business Enterprise and Resident Business Owner Certification. Vendors who are Certified LSDBE Vendors shall receive Preference Points in the competitive Solicitation process. The Preference Points shall be included as part of Amendment Two (2).

| Question<br>Number | RFQ<br>Section | Question   |
|--------------------|----------------|--|
| 5.                 | N/A            | What are the norms/ specification that an alternate product will be evaluated? |

#### **DMH RESPONSE:**

Alternate products shall be evaluated on the performance criteria indicated in the specifications; including, but not limited to Part 2 – Products.

| Question<br>Number | RFQ<br>Section | Question                                    |  |
|--------------------|----------------|---|--|
| 6.                 | N/A            | What is the estimated area for wall panels? |  |

#### DMH RESPONSE:

Please reference the full size scale drawings included in this Amendment to determine the area. The Contractor shall determine the area. Panel size (area) is indicated on the drawings for each panel type.

| Question<br>Number | RFQ<br>Section | Question  |
|--------------------|----------------|---|
| 7.                 | N/A            | Will the Contractor be allowed to place a dumpster on site for disposal of waste or debris? |

#### **DMH RESPONSE:**

The Construction Manager shall coordinate a location for the Contractor to place a small dumpster on campus. It shall remain the Contractor's responsibility to transport waste and debris daily from the hospital to the dumpster location.

| Question<br>Number | RFQ<br>Section | Question  |
|--------------------|----------------|---|
| 8.                 | N/A            | Will the Contractor be allowed to place a storage trailer or container onsite to store the materials? |

#### DMH RESPONSE:

The Construction Manager shall coordinate a location for the Contractor to place a storage trailer or container on campus. The Contractor shall be responsible for transporting the

| materials to the hospital. |                |  |  |  |  |  |
|----------------------------|----------------|--|--|--|--|--|
| Question<br>Number         | RFQ<br>Section | Question   |  |  |  |  |
| 9.                         | N/A            | How should the panels be fabricated around an existing metal "Fire Hose" sign not indicated on the drawings? |  |  |  |  |

#### **DMH RESPONSE:**

The panels shall stop six (6) inches on either side from the Fire Hose sign, resulting in a total space between panels of twelve (12) inches.

| Question<br>Number | RFQ<br>Section | Question  |
|--------------------|----------------|---|
| 10.                | N/A            | Please confirm the actual size of the drawings to allow us to print them to be able to perform quantity takeoff. Without this information we cannot perform quantity takeoff. |

#### **DMH RESPONSE:**

The size of the original PDF drawing sheets is twenty-six (26) inches by seventeen (17) inches. Original sized drawings in PDF format are included as part of Amendment Two (2).

| Question<br>Number | RFQ<br>Section | Question  |
|--------------------|----------------|---|
| 11.                | N/A            | If the bid is above \$100,000.00 is there a requirement for Bid Bond? If Bid Bond is required what is the format. |

#### **DMH RESPONSE:**

In the event that the bid is above \$100,000.00 we have provided a Bid Bond template included as part of Amendment Two (2).

# ALL OTHER TERMS AND CONDITIONS OF THE REQUEST FOR QUOTES (RFQ) REMAIN UNCHANGED.

Only one copy of this amendment is being sent to prospective Offerors. Offerors shall sign below and attach a signed copy of this amendment to each Bid to be submitted to the place specified for receipt of Bids. Bids shall be mailed or delivered in accordance with the instructions provided in the original RFQ. In the event your Bid has been previously deposited with the Department of Mental Health, Contracts and Procurement Administration (DMH/CPA), submit this signed Amendment in a sealed envelope, identified on the outside by the RFQ number and submission date. This signed Amendment must be received by the DMH/CPA on or before Wednesday, February 16, 2011 at 12:00 PM EST the date and time for closing. Failure to acknowledge receipt of Amendment Two (2) for Solicitation Number RM-011-RFQ-057-BY0-DJW may be cause for rejection of any Bid submitted in response to the subject RFQ.

| Signed:  |  |
|--|--|
| Samuel J. Feinberg, CPPO CPPB Director, Contracts and Procurement Agency Chief Contracting Officer |  |
| Amendment Number Two (2) is hereby acknowledged and <b>BY0-DJW</b>                                 | l is considered a part of the Bid RM-011-RFQ-057 |
| Signature of Authorized Representative   | Date   |
| Title of Authorized Representative   | Print or Type Name of Offeror                    |

## **BID BOND TEMPLATE**

#### DISTRICT OF COLUMBIA CONTRACT NO. RM-011-RFQ-057-BY0-DJW

#### **BID BOND**

|  | ם טוט ב           |                |           |             |             |                |   |
|--|-------------------|----------------|-----------|-------------|-------------|----------------|---|
| BID BOND (See Instructions on next page)  Date Bond Executed (Must Not Be Late Bid Opening Date)   |                   |                |           |             |             |                | ater than   |
| PRINCIPAL (Legal Name and Address)   |                   |                | TYPE      | OF OR       | RGANIZATION | ("X")          |   |
| (Logal Name and Address)   |                   | ☐ INDIVIDUAL ☐ |           | ☐ PAR       | PARTNERSHIP |                |   |
|  | ☐ JOINT VENTURE ☐ |                | ☐ COR     | CORPORATION |             |                |   |
|  | ŀ                 | STATE OF IN    |           |             |             |                |   |
|  | PENAL SUM OF BOND |                |           |             |             |                |   |
| SURETY (IES) Legal Name(s) and Address(es)   |                   |                |           |             | O EXCEED    |                | 5% OF BID   |
|  |                   | MILLION(S)     | THOUSAN   | ID(S)       | HUNDRED(S)  | CENTS          |   |
|  |                   | BID INDENTIFIC |           |             | NTIFICATION | CATION         |   |
|  |                   | BID OPENING    | G DATE    |             | INVITAT     | ION NO.        |   |
| KNOW ALL MEN BY THESE PRESENTS, That we, the Principal and Surety(ies) hereto, are firmly bound to the District of Columbia Government, a municipal corporation, hereinafter called the District, the above penal sum for the payment of which we bind ourselves, our heirs, executors, and successor jointly and severally: Provided, That where the sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum: jointly and severally" only for the purpose of allowing a joint action against any or all of us, and for all other purposes each surety binds itself, jointly and severs with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety, lif no limit of liability is indicated, the limit of liability shall be the full amount of the penal sum. THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the bid identified above.  NOW, THEREFORE, if the Principal shall not withdraw said bid within the period specified therein after the opening of the same, or, if no period be specified, within sixty (60) days after said opening, and she within the period specified therefore, or, if no period be specified, within seven (7) days after being cal upon to do so, furnish Performance & Payment bonds with good and sufficient surety, as may be required, for the faithful performance and proper fulfillment of the Contract, and for the protection of all persons supplying labor and material in the prosecution of the work provided for in such Contract or, in the event of withdrawal of said bid, within the period specified, or the failure to furnish such bond with the time specified, if the Principal shall pay the District the difference between the amount specified in full force and virtue.  Each Surety executing this bond hereby agrees that its obligations shall not be impaired by extension(s of time for acceptance of the bid that the Principal may grant to the District, notice of which extension (to the Surety(ies) being hereby waived; provid |                   |                |           |             |             |                | trict, in essors, e, the t action severally rety, but e bid after ad shall g called of all or, in within ed in a latter erwise to sion(s) respect lly xed |
| Seal Name & Title (typed)  | Name & Titl       | e (typed)      |           |             |             | Corpor<br>Seal |   |
| Form No. DC 2640-5 (CERTIFICATION OF CERTIFICATION OF CER | IF AS TO C        | ORPORATIO      | N on next | nage)       |             |                |   |

#### DISTRICT OF COLUMBIA CONTRACT NO. RM-011-RFQ-057-BY0-DJW

#### **BID BOND**

PRINCIPAL (Continued)

| •   | CERTIFICATE A  | S TO CORPO                                   | PRATION   |   |  |
|---|--|--|---|---|--|
| l,  | <u></u>  | certify that                                 | am  |   |  |
| Secretary of the Corporation name   | ed as Principal he   | rein, that                                   |   |   |  |
| who signed this bond on behalf or<br>said corporation; that I know his s<br>signed and sealed for and in beha<br>scope of its corporate powers. | f the Principal was<br>ignature, and his s<br>alf of said corporat | then<br>signature theret<br>ion by authority | o is genuine that said<br>of its governing body | of l bond was duly y, and is within the |  |
|   |  |  | Secretary of Corporation                        | 1                                       |  |
|   | SUR  | RETY (IES)                                   |   |   |  |
| 1. Name & Address (typed)   |  | State of Inc.                                | Liability Limit                                 |   |  |
| Signature of Attorney-in-Fact   | Attest (Sign   | Attest (Signature)                           |   |   |  |
| Name & Address (typed)  | Name & Ad  | ddress (typed)                               |   |   |  |
| 2. Name & Address (typed)   |  | State of Inc.                                | Liability Limit                                 |   |  |
| Signature of Attorney-in-Fact   | Attest (Sign   | l<br>nature)                                 | Corporate<br>Seal                               |   |  |
| Name & Address (typed)  | Name & Ad  | ddress (typed)                               |   |   |  |
|   |  |  |   |   |  |

#### INSTRUCTIONS

- 1. This form shall be used whenever a bid guaranty is required in connection with construction, alteration and repair work.
- 2. Corporation's name should appear exactly as it does on Corporate Seal and inserted in the space designed "Principal" on the first page of this form. If practicable, bond should be signed by President or Vice President; if signed by other official, evidence of authority must be furnished. Such evidence should be in the form of an Extract of Minutes of a Meeting of the Board of Directors, or Extract of Bylaws, certified by the Corporate Secretary, or Assistant Secretary and Corporate Seal affixed thereto. CERTIFICATE AS TO CORPORATION must be executed by Corporate Secretary, or Assistant Secretary.
- 3. Corporations executing the bond as sureties must be among those appearing on the US Treasury Department's list of approved sureties and must be acting within the limitations set forth therein, and shall also be listed with the Department of Insurance and Sureties Regulation, DC to do business in the District of Columbia. The surety shall attach hereto an adequate Power-of-Attorney for each representative signing the bond.
- 4. Corporations executing the bond shall affix their Corporate Seals. Individuals shall sign full first name, middle initial and last name opposite the word "seal"; two witnesses must be supplied and their addresses, under the word "attest". If executed in Maine or New Hampshire, an adhesive seal shall be affixed.
- 5. Names of all partners must be set out in body of bond form, with the recital that they are partners composing a firm, naming it, and all members of the firm shall execute the bond as individuals. Each signature must be witnessed by two persons and addresses supplied.

Rev. July 1973

## PREFERENCE POINTS INFORMATION

#### M.1 EVALUATION FOR AWARD

M.1.1 Following receipt and evaluation of the Bids, a Contract shall be awarded to the lowest priced bidder whose Bid conforms with all requirements of the invitation, determined to be responsive and responsible by the Contracting Officer and shall be advantageous to the District in terms of price and price related factors.

#### M.2 CLAUSES APPLICABLE TO ALL OPEN MARKET SOLICITATION

M.2.1 A. Preference for Local Business, Disadvantaged Businesses, Resident Business Ownerships or Businesses Operation in an Enterprise Zone.

#### 1. General Preferences

Under the provisions of D.C. Law 13.169, "Equal Opportunity for Local, Small or Disadvantaged Business Enterprises Amendment Act of 2000" (the "Act", as used in this section), the District shall apply preferences in evaluating offers from businesses that are local, disadvantaged, resident business ownership or located in an enterprise zone of the District of Columbia.

For evaluation purposes, the allowable preferences under the Act for this procurement are as follows:

- 1. Four percent reduction in the bid price or the addition of four points on a 100 point scale for a local business enterprise (LBE) certified by the Local Business Opportunity Commission (LBOC);
- 2. Three percent reduction in the bid price or the addition of three points on a 100 point scale for a disadvantaged business enterprise (DBE) certified by the LBOC;
- 3. Three percent reduction in the bid price or the addition of three points on a 100 point scale for a resident business ownership (RBO), as defined in Section 2 (a)(8A) of the Act, and certified by the LBOC; and
- 4. Two percent reduction in the bid price or the addition of two points on a 100 point scale for a business located in an enterprise zone, as defined in Section 2(5) of D.C. Law 12.268 and in 27 DCMR 899, 39 DCR 9087.9088 (December 4, 1992).

Any prime Contractor that is a LBE certified by the LLBOC shall receive a four percent (4%) reduction in bid price for a bid submitted by the LBE in response to an Invitation for Bid (IFB) or the addition of four points on a 100 point scale added to the overall score for bids submitted by the LBE in response to a Invitation for Bid (IFB).

Any prime Contractor that is a DBE certified by the LBOC shall receive a three percent (3%) reduction in the bid price for a bid submitted by the DBE in response to an IFB or the addition of three points on a 100 point scale added to the overall score for bids submitted by the RBO in response to an IFB.

Any prime Contractor that is a business enterprise located in an enterprise zone shall receive a two percent (2%) reduction in bid price for a bid submitted by such business enterprise in response to an IFB or the addition of two points on a 100 point scale added to the overall score for bids submitted by such businesses in response to an IFB.

B. Preferences for Sub-Contracting in Open Market Solicitations with no LBE, DBE, RBO Sub-Contracting Set Aside

The preferences for sub-Contracting in open market solicitations where there is no LBE, DBE or RBO Sub-Contracting set aside are as follows:

- 1. If the prime Contractor is not a certified LBE, certified DBE, certified RBO or a business located in the enterprise in an enterprise zone, the District shall award the above stated preferences by reducing the bid price or by increasing the points proportionally based on the total dollar value of the bid or bid that is designated by the prime Contractor for sub-Contracting with a certified LBE, DBE, ROBO or business located in an enterprise zone.
- 2 If the prime Contractor is a joint venture that is not certified LBE, certified DBE or certified RBO joint venture, or if the prime Contractor is a joint venture that includes a business in the enterprise zone but such business located in an enterprise zone does not own and control at least fifty-one percent (51%) of the joint venture, the District shall award the above stated preferences by reducing the bid price or by increasing the points proportionately in the bid based on the total dollar value of the bid or bid that is designated by the prime Contractor for a certified LBE, DBE, RBO or business located in an enterprise zone, for participation in the joint venture.

For Example:

If a non-certified prime Contractor sub-contracts with a certified local business enterprise for a percentage of the work to be performed on an IFB, the calculation of the percentage points to be added during evaluation would be according to the following formula:

Amount of Sub-Contract

Amount of Contract x = 4 (\*) = Points Awarded for Evaluating LSDBE Sub-Contracting

(\*)Note: Equivalent of four (4) points on a 100 point scale

The maximum total preference under the Act of this procurement is twelve percent (12%) for bids submitted in response to an IFB or the equivalent of twelve (12) points on a 100 point scale for bids submitted in response to an IFB. Any prime Contractor receiving the full bid price reduction or point addition to its overall score for a particular preference shall not receive any additional bid price reduction or points for further participation on a subcontracting level for that particular preference. However, the prime Contractor shall receive a further proportional bid price reduction or point addition on a different preference for participation on a subcontracting level for that different preference. For example, if a LBE prime Contractor receives the four percent bid price reduction or the equivalent of four points on a 100 point scale, the LBE prime Contractor does not receive a further price reduction or additional points if such Contractor proposes sub-contracting with a DBE, the LBE prime Contractor receives a further proportional bid price reduction or point addition for the DBE participation on the sub-Contracting level.

C. Preference for Open Market Solicitations with LBE, DBE or RBO Sub-Contracting Set Aside

If the solicitation is an open market solicitation with LBE, DBE or RBO sub-contracting set-aside, the prime Contractor shall receive the LBE, DBE, or RBO preferences only if it is a certified LBE, DBE or RBO. There shall be no preference awarded for sub-contracting b the prime Contractor with a LBE, DBE or RBO, even if the prime Contractor proposes LBE,

DBE or RBO sub-contracting above the sub-contracting levels required by the solicitation. However, the prime Contractor shall be entitled to the full preference for business located in an enterprise zone if it is a business located in an enterprise zone or proportional preference if the prime Contractor sub-contracts with a business located in an enterprise zone. The maximum total preference under the Act for this procurement is twelve percent (12%) for bids submitted in response to an IFB or the equivalent of twelve (12) points on a 100 point scale for bids submitted in response to an IFB.

D. Preferences for Certified Joint Ventures Including Local or Disadvantaged Businesses or Resident Business Ownerships.

When an LBOC-certified joint venture includes a local business enterprise (LBE), disadvantaged business enterprise (DBE) or a resident business ownership (RBO), and the LBE, DBE or RBO owns and controls at least fifty-one percent (51%) of the venture, the joint venture shall receive the preference as if it were a certified LBE, DBE, or RBO.

E. Preference for joint Ventures Including Businesses located in an Enterprise Zone.

When a joint venture includes a business located in an enterprise zone, and such business located in an enterprise zone owns and controls at least fifty-one percent (51%) of the venture, the joint venture shall receive the preferences as if it were a business located in an enterprise zone.

1. Contractor Submission for Preferences

1.

Any Contractor seeking to receive preferences on this solicitation shall submit at the time of, and as part of its bid or bid the following documentation as applicable to the preference being sought:

- (a) Evidence of Contractor's, sub-contractor, or joint venture partner's certification or self certification as a LBE, DBE or RBO to include:
- (1) A copy of all relevant letters of certification for the Local Business Opportunity Commission (LBOC); or
- (2) A copy of the sworn notarized Self-Certification Form prescribed by the LBOC, along with an acknowledgement letter issued by the Director of the LBOC. Businesses with principal offices located outside of the District of Columbia shall first be certified as LBE's before qualifying for self-certification.
- 2. Evidence that Contractor or any sub-contractor is located in an enterprise zone.

In order for a Contractor to receive allowable preferences under this solicitation, the Contractor shall include the relevant information as described in subparagraphs (a) and (b) of this clause as part of its bid.

Refer to J.2.1 for the Self-Certification Package. In order to receive any preferences under this solicitation, any Contractor seeking self-certification shall complete and submit the forms to:

Office of Local Business Development Attn: LSDBE Certification Program 441 Fourth Street, NW, Suite 970N Washington, DC 20001 All Contractors are encouraged to contact the Local, Small and Disadvantaged Business Enterprises Certification Program at (202) 727-3900 if additional information is required on certification procedures and requirements.

Penalties for Misrepresentation – Any material misrepresentation on the sworn notarized self-certification form could result in termination of the Contract, Contractor's liability for civil and criminal action in accordance with the Act, D.C. Law 12.268, and other District laws, including debarment.

Local, Small, and Disadvantaged Business Enterprise Sub-Contracting

When a prime Contractor is certified by the Office of Local Business Development as a local, small or disadvantaged business or a resident business ownership, the prime Contractor shall perform at least fifty percent (50%) of the Contracting effort, excluding the cost of materials, goods and supplies with its own organization resources, and if it sub-contracts fifty percent (50%) of the sub-contracting effort, excluding the cost of materials, goods and supplies shall be with certified local, small or disadvantaged business enterprises and resident business ownerships, unless a waiver is granted by the Contracting Officer, with prior approval and consent of the Director of the LBOC under the provisions of 27 DCMR 805, 39 DCR 5578.5580 (July 24, 1992). By submitting a signed bid or bid, the prime Contractor certifies that it shall comply with the requirements of paragraph (a) of this clause.

\*\*\*END OF SECTION M\*\*\*

# SPECIFICATIONS AND DRAWINGS

| RFP No  | o. <u> </u>                                 |  |                         | Distribution:  |
|---|---|--|-------------------------|--|
| Date:   | 10/27/2010                                  |  |                         | Owner  |
| EYP Pro   | oject No. 2001022.81                        |  |                         | Architect  |
| Owner:  | Saint Elizabeths Hosp                       | ital                                       | From:                   | Einhorn Yaffee Prescott Architecture & Engineering, P.C. |
| To:   | Gilbane Building Com                        | npany                                      |                         | Flour Mill Building (L-1)                                |
| 10.   | 1100 Alabama Avenue                         |  | 1000 Potomac Street, NW |  |
|   | Washington, DC                              |  |                         | Washington, DC 20007                                     |
|   |   |  |                         | (202) 471-5000   |
|   |   | TO AMENIA THE CONTENT                      | A CIT DO CUDA           | VENTER IN PERPONER                                       |
|   | THIS RFP IS ISSUED<br>TO ISSUES THAT HAVE A | TO AMEND THE CONTR<br>ARISEN IN CONNECTION |                         |  |
| D   | PROPOSAL REQUEST (repla                     |  |                         |  |
| Please submit an itemized quotation for work described within the RFP   |   |  |                         |  |
| Contract Documents described herein.  |   |  |                         |  |
| THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.   |   |  |                         |  |
| ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS (replaces AIA Document G710)  |   |  |                         |  |
| The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract   |   |  |                         |  |
| Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions   |   |  |                         |  |
| indicates your acknowledgment that there will be no change in the Contract Sum or Contract Time.  |   |  |                         |  |
| CONSTRUCTION CHANGE DIRECTIVE (replaces AIA Document G714)  |   |  |                         |  |
| Proceed with Work described in this Directive immediately and submit itemized documentation of costs incurred in Work   |   |  |                         |  |
| when Work is completed or as soon a final cost/time is determined. This CCD, and its description of particular Work, is without prejudice to final agreement or determination whether directed Work is a change in the Work or of any contract time |   |  |                         |  |
|   | r sum adjustment due.                       | or determination whether directed          | work is a change i      | n the work or of any contract time                       |
| DESCRI  |   |  |                         |  |
| RFP #   |   |  |                         |  |
| This RFP is for the installation of sound-absorbing wall and ceiling panels within the new hospital corridors and   |   |  |                         |  |
| room 179.01.  |   |  |                         |  |
| Alternate 1- Retrofit door 179.1A for sound absorption using product by Quit Door industrial kit or similar   |   |  |                         |  |
| Alternate 2- Replace existing door opening 179.1A with Sound -Tech Xpress Door System by Ceco door or similar.  |   |  |                         |  |
| STC rating to be 45   |   |  |                         |  |
| ATTACI  | HMENTS: (7) 8-1/2" x 11" pages (            | excluding cover sheet); (7) 30" x          | 42" sheets              |  |
| Sketche   |   | 0; SK-002 dated 11/04/10                   |                         |  |
|   | gs: A644, A646, A656, A80                   |  | dated 10/27/10          |  |
| Other: Specification Section 09 8433, Sound Absorbing Wall and Ceiling Panels   |   |  |                         |  |
| Other.  | Specification Section (                     | 77 0433, Sound Mosoronig V                 | van and Cening          | , i aneis  |
| OWNER:  |   | CM:  |                         | ARCHITECT:   |
|   | shotho Hoomital                             |  |                         |  |
| ADDRESS   | abeths Hospital                             | Gilbane building company ADDRESS:          |                         | EINHORN YAFFEE PRESCOTT ADDRESS:                         |
| VADAKESS  | J.  | 1100 Alabama Avenue                        |                         | Flour Mill, L-1, 1000 Potomac St., N.W.                  |
|   |   | Washington DC                              |                         | Washington, DC 20007                                     |
| BY:   |   | BY:  |                         | BY:  |
| DATE:   |   | DATE:                                      |                         | DATE:  |

#### SECTION 09 8433 - SOUND-ABSORBING WALL AND CEILING UNITS

#### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes shop-fabricated, fabric-wrapped panel units tested for acoustical performance, including:
  - 1. Sound-absorbing wall panels.
  - 2. Sound-absorbing ceiling panels.

#### 1.2 DEFINITIONS

A. NRC: Noise Reduction Coefficient.

#### 1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

#### 1.4 ACTION SUBMITTALS

- A. Product Data: For each type of fabric facing, panel edge, core material, and mounting indicated. Include material descriptions, and dimensions of individual components and profiles.
- B. Shop Drawings: For sound-absorbing units. Include fastener details and locations; details at panel head, base, joints, and corners; and details at ceiling intersections, floor base, and wall intersections. Indicate panel edge and core materials.
  - 1. Include elevations showing panel sizes, direction of fabric weave and fastener locations.
  - 2. Include reflected ceiling plans showing panel sizes, direction of fabric weave and fastener locations.
  - 3. Show locations of existing items which are covered or penetrate sound-absorbing units, including but not limited to the following:
    - a. Electrical outlets, switches and thermostats.
    - b. Lighting fixtures.
    - c. Air outlets and inlets.
    - d. Speakers.
    - e. Alarms.
    - f. Sprinklers.
    - g. Access panels.
    - h. Suspended ceiling components above sound-absorbing ceiling units.
    - i. Include operation of hinged or sliding components covered by or adjacent to sound absorbing units.
- C. Samples for Initial Selection: For each type of fabric facing from sound-absorbing wall unit manufacturer's full range.

- D. Samples for Verification: For the following products, prepared on Samples of size indicated below:
  - 1. Fabric: Full-width by approximately 36-inch- (900-mm-) long Sample, but not smaller than required to show complete pattern repeat, from dye lot to be used for the Work, and with specified treatments applied. Mark top and face of fabric.
  - 2. Panel Edge: 12-inch- (300-mm-) long Sample(s) showing each edge profile, corner, and finish.
  - 3. Core Material: 12-inch- (300-mm-) square Sample at corner.
  - 4. Mounting Devices: Full-size Samples of fasteners and grommets
  - 5. Assembled Panels: Approximately 36 by 36 inches (900 by 900 mm), including joints and mounting methods.

#### 1.5 INFORMATIONAL SUBMITTALS

- A. Product Certificates: For each type of sound-absorbing wall unit, from manufacturer.
- B. Sample Warranty: Sample of special warranty.

#### 1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: For sound-absorbing units to include in maintenance manuals. Include fabric manufacturers' written cleaning and stain-removal recommendations.

#### 1.7 MATERIALS MAINTENANCE SUBMITTALS

- A. Furnish extra materials from same production run that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Fabric: For each fabric, color, and pattern installed, provide length equal to 10 percent of amount installed, but no fewer than 10 yards (9 m).
  - 2. Mounting Devices: Full-size units equal to 5 percent of amount installed, but no fewer than five devices, including unopened adhesives.

#### 1.8 QUALITY ASSURANCE

- A. Source Limitations: Obtain sound-absorbing wall and ceiling units from single source from single manufacturer.
- B. Fire-Test-Response Characteristics: Provide sound-absorbing units meeting the following as determined by testing identical products by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
  - 1. Surface-Burning Characteristics: As determined by testing per ASTM E 84.
    - a. Flame-Spread Index: 25 or less.
    - b. Smoke-Developed Index: 450 or less.
  - 2. Fire Growth Contribution: Meeting acceptance criteria of local code and authorities having jurisdiction when tested according to NFPA 265.

- C. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials, fabrication, and installation.
  - 1. Build mockup of typical wall and ceiling areas as directed by Architect. Include intersection of wall and ceiling, corners, and perimeters.
  - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

#### 1.9 DELIVERY, STORAGE, AND HANDLING

- A. Comply with fabric and sound-absorbing unit manufacturers' written instructions for minimum and maximum temperature and humidity requirements for shipment, storage, and handling.
- B. Deliver materials and units in unopened bundles and store in a temperature-controlled dry place with adequate air circulation.

#### 1.10 PROJECT CONDITIONS

A. Field Measurements: Verify locations of sound-absorbing wall units and actual dimensions of openings and penetrations by field measurements before fabrication.

#### 1.11 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of sound-absorbing wall units that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to the following:
    - a. Acoustical performance.
    - b. Fabric sagging, distorting, or releasing from panel edge.
    - c. Warping of core.
  - 2. Warranty Period: Two years from date of Substantial Completion.

#### PART 2 - PRODUCTS

#### 2.1 SOUND-ABSORBING WALL AND CEILING UNITS

- A. Basis-of-Design Products: Provide "Alphasorb High-Abuse Panels" manufactured by Acoustical Solutions, Inc. Subject to compliance with requirements, provide the named product, or comparable products accepted by the Architect.
- B. Sound-Absorbing Panels: Manufacturer's standard panel construction consisting of facing material laminated to front face, edges, and back edge border of core.
  - 1. Mounting, Ceiling Units: Mounted with manufacturer's standard adhesive, and exposed tamper-resistant fasteners secured to substrate.

- 2. Mounting, Wall Units: Mounted with manufacturer's standard adhesive, and exposed tamper-resistant fasteners secured to substrate.
- 3. Core: Glass-fiber board.
  - a. Core-Face Layer: Manufacturer's standard impact-resistant, acoustically transparent, copolymer sheet.
- 4. Edge Construction: Manufacturer's standard chemically hardened core with no frame.
- 5. Edge Profile: Square.
- 6. Corner Detail in Elevation: Square with continuous edge profile indicated.
- 7. Reveals between Panels: Flush reveals.
- 8. Acoustical Performance and Panel Thickness: Sound absorption (NRC) according to ASTM C 423 for Type A mounting in compliance with ASTM E 795.
  - a. Ceiling Units: Sound absorption of 0.80 to 0.90; for panel thickness of 1-1/16 inches (27 mm).
  - b. Wall Units: Sound absorption of 1.05 to 1.15; for panel thickness of 2-1/16 inches (53.4 mm).
- 9. Panel Widths and Heights: As indicated on the following Drawings:
  - a. A644.
  - b. A646.
  - c. A656.
  - d. A801C.
  - e. A801F.
  - f. A801G.
  - g. A802C.
  - h. SK-001.
  - i. SK-002.

#### 2.2 MATERIALS

#### A. Core Materials:

- 1. Glass-Fiber Board: ASTM C 612, Type standard with manufacturer; nominal density of 6 to 7 lb/cu. ft. (96 to 112 kg/cu. m), unfaced, and dimensionally stable, molded rigid board; and with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively.
- 2. Impact-Resistant, Acoustically Transparent, Copolymer Sheet for Face Layer: 1/16- to 1/8-inch- (1.6- to 3.2-mm-) thick layer of perforated, noncombustible, copolymer sheet laminated to face of core.
- B. Facing Material: Fabric from same dye lot; color and pattern as selected by Architect from manufacturer's full range.
  - 1. Product Line/Pattern and Manufacturer: "FR701 Style 2100" produced by Guilford of Maine.

- 2. Color, Ceiling Units: One color will be selected by Architect.
- 3. Colors, Wall Units: Four colors will be selected by Architect.
- 4. Applied Treatments: Stain resistance.
- C. Mounting Devices: Recommended by manufacturer, and as follows:
  - 1. Tamper-Resistant Fasteners: Manufacturer shall identify fastener size and frequency, determined by size and weight of panels, and as follows:
    - Drive-System Type: Pinned Torx-Plus.
    - b. Fastener Strength: 120,000 psi (827 MPa).
    - c. Socket Button Head Fasteners: Stainless steel, ASTM F 879 (ASTM F 879M), Group 1 CW.
  - 2. Grommets: Stainless steel, sized for fasteners, completely seating fastener head.
  - 3. Adhesives: As recommended by sound-absorbing wall unit manufacturer and with a VOC content of 70 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

#### 2.3 FABRICATION

- A. General: Use manufacturer's standard construction except as otherwise indicated; with facing material applied to face, edges, and back border of dimensionally stable core; and with rigid edges to reinforce panel perimeter against warpage and damage.
  - 1. Glass-Fiber Board Cores: Chemically harden core edges and areas of core where mounting devices are attached.
- B. Core-Face Layer: Evenly stretched over core face and edges and securely attached to core; free from puckers, ripples, wrinkles, or sags.
- C. Facing Material: Apply fabric facing fully covering visible surfaces of unit; with material stretched straight, on the grain, tight, square, and free from puckers, ripples, wrinkles, sags, blisters, seams, adhesive, or other visible distortions or foreign matter.
  - 1. Square Corners: Tailor corners.
- D. Dimensional Tolerances of Finished Units: Plus or minus 1/16 inch (1.6 mm) for the following:
  - 1. Thickness.
  - 2. Edge straightness.
  - 3. Overall length and width.
  - 4. Squareness from corner to corner.

#### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine fabric, fabricated units, substrates, areas, and conditions, for compliance with requirements, installation tolerances, and other conditions affecting performance of sound-absorbing units.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

#### 3.2 INSTALLATION

- A. Install sound-absorbing units in locations indicated with surfaces and edges plumb, top edges level and in alignment with other units, faces flush, and scribed to fit adjoining work accurately at borders and at penetrations.
- B. Comply with manufacturer's written instructions for installation of units using exposed fasteners. Mount units securely to supporting substrate, without over-driving fasteners through grommets into the sound panels.
  - 1. Fasteners shall be located in regular patterns within each panel, at fixed dimensions from panel edges, and similar locations with adjacent panels.
  - 2. Fasteners shall align vertically and horizontally with adjacent panels, on each wall and ceiling surface.
- C. Do not apply adhesive to fabric.

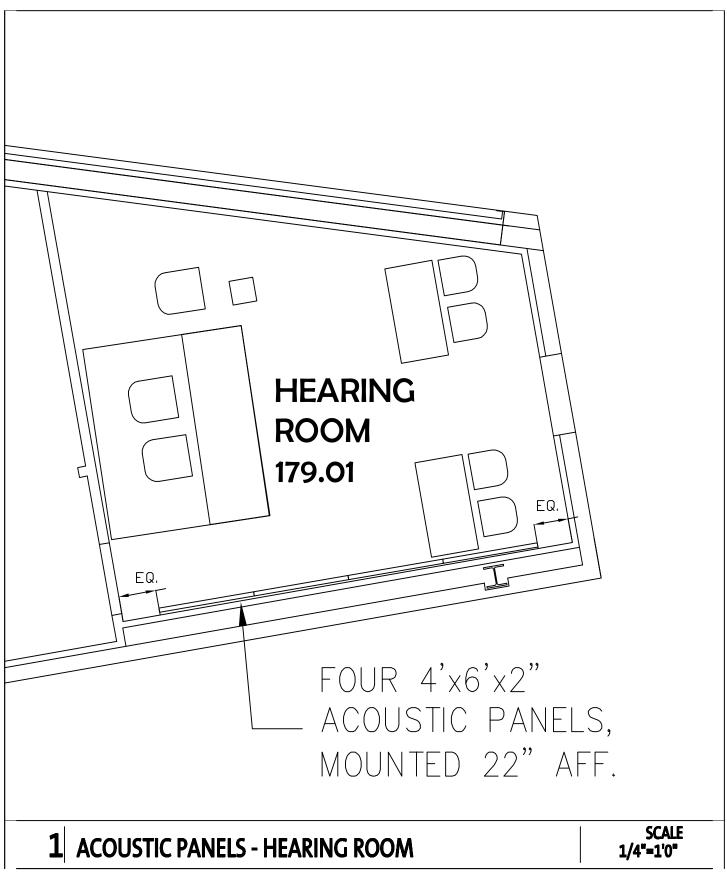
#### 3.3 INSTALLATION TOLERANCES

- A. Variation from Plumb and Level: Plus or minus 1/16 inch (1.6 mm).
- B. Variation of Panel Joints from Hairline: Not more than 1/16 inch (1.6 mm) wide.

#### 3.4 CLEANING

- A. Clip loose threads; remove pills and extraneous materials.
- B. Clean panels on completion of installation to remove dust and other foreign materials according to manufacturer's written instructions.

#### END OF SECTION 09 8433



Einhorn Yaffee Prescott Architecture & Engineering, P.C. 1000 Potomac Street, NW Washington, D.C. 20007 Telephone: 202,471,5000 Pax: 202,471,5050

EYP/

PROJECT: ACOUSTICAL PANELS

ISSUED FOR RFP

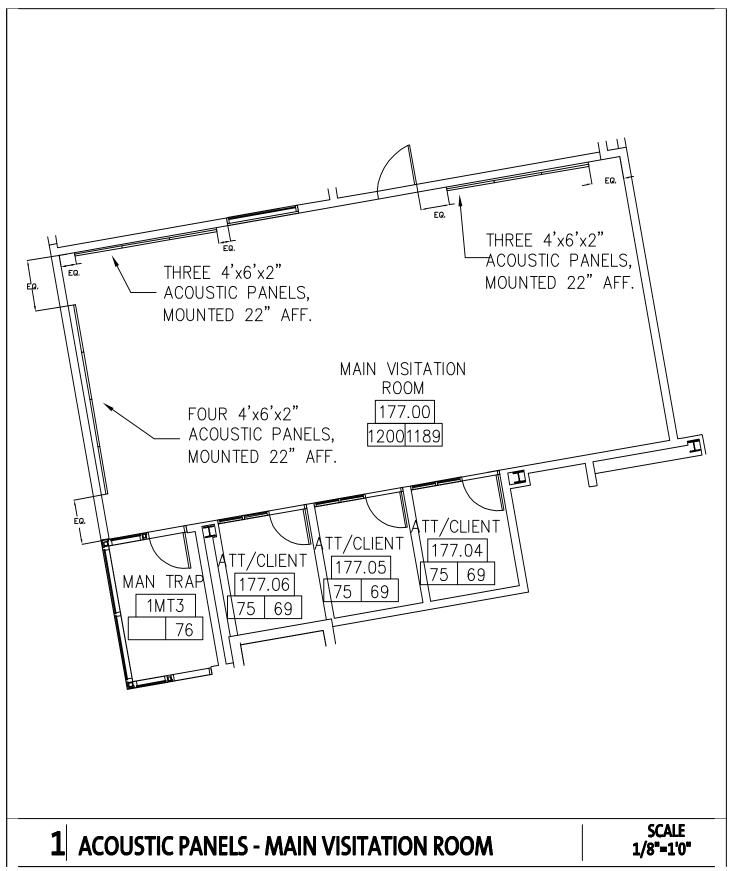
DATE: 10.27.10

SCALE: PROJECT #: 2001022.81

DESIGNED BY:
DRAWN BY: ES
CHECKED BY:

| DRAWING #:

SK-001



Binhorn Yaffee Prescott
Architecture & Engineering, P.C.
1000 Potomac Street, NW
Washington, D.C. 20007
Telephone: 202.471.5000
Pax: 202.471.5050

EYP/

PROJECT: ACOUSTICAL PANELS

ISSUED FOR RFP

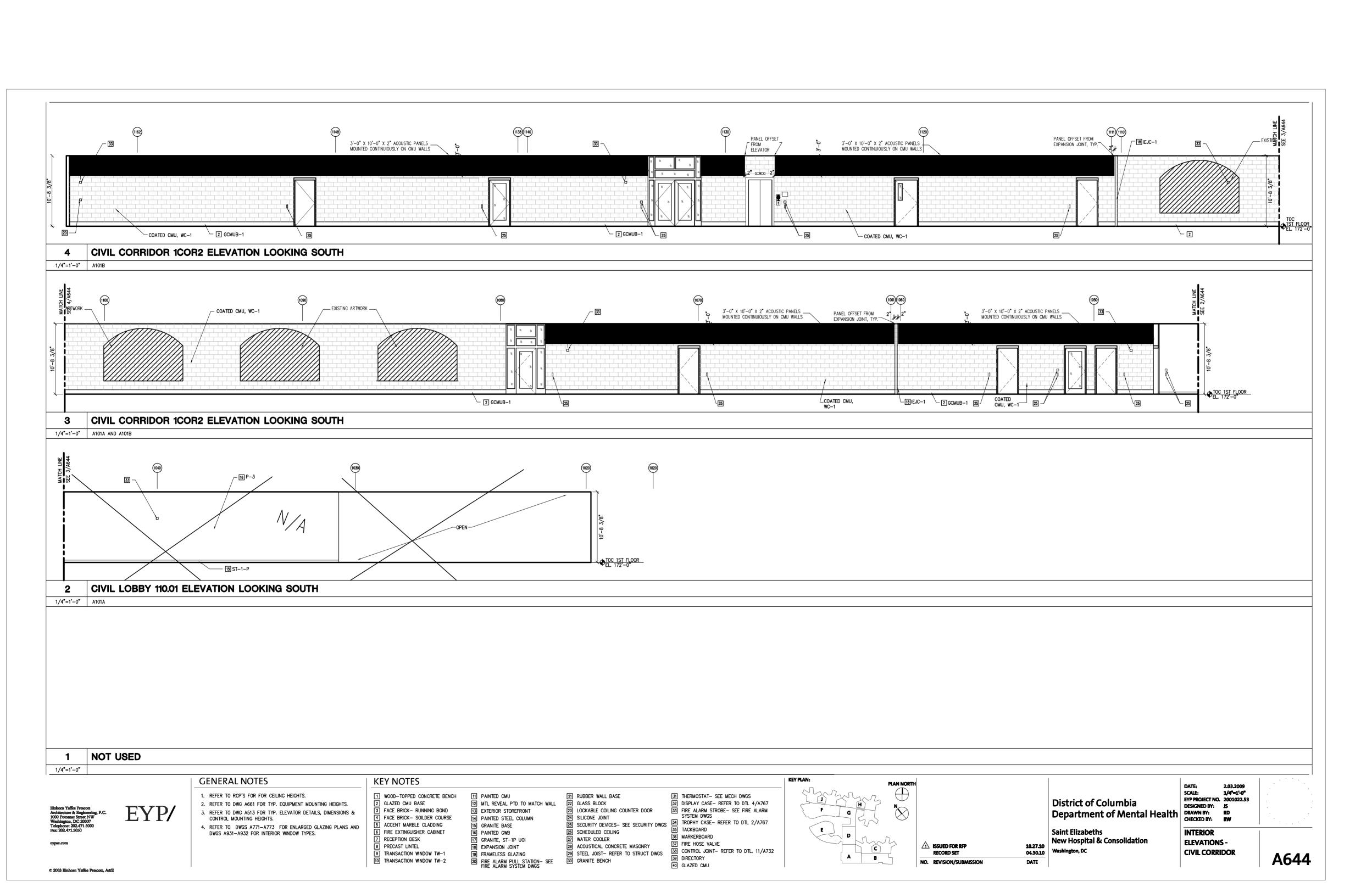
DATE: 11.04.10 SCALE:

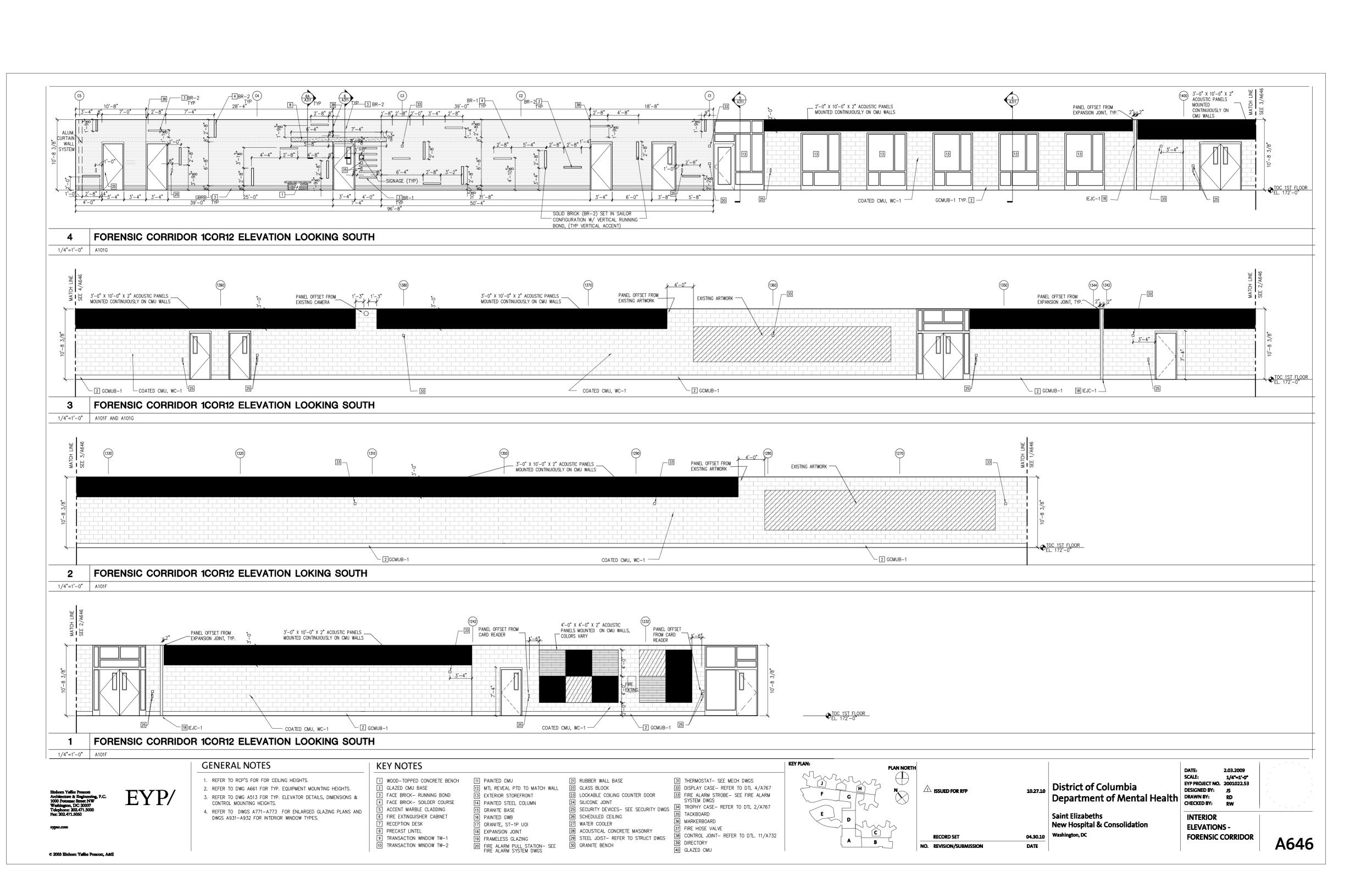
PROJECT #: 2001022.81
DESIGNED BY:

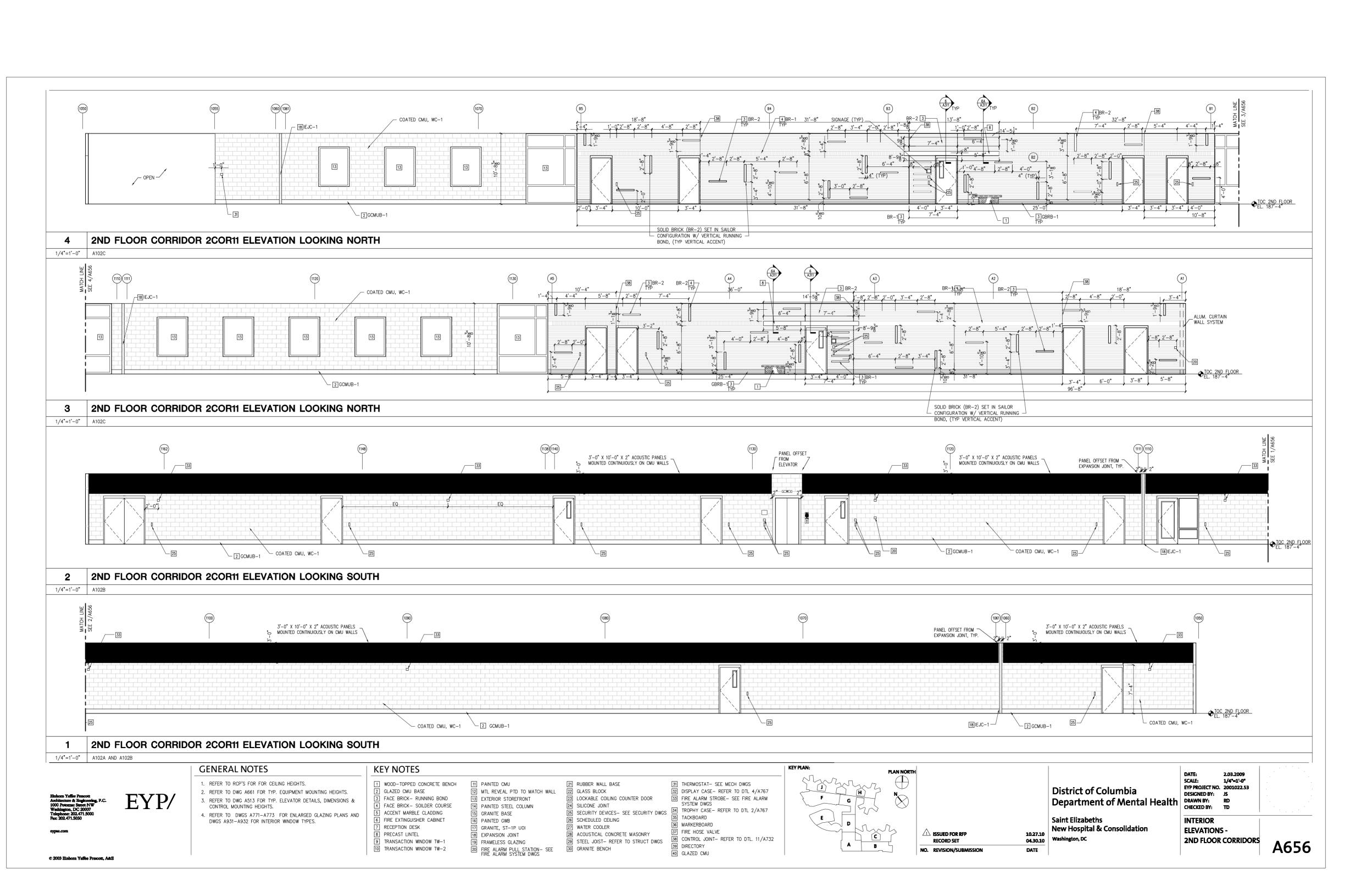
DESIGNED BY:
DRAWN BY: ES
CHECKED BY:

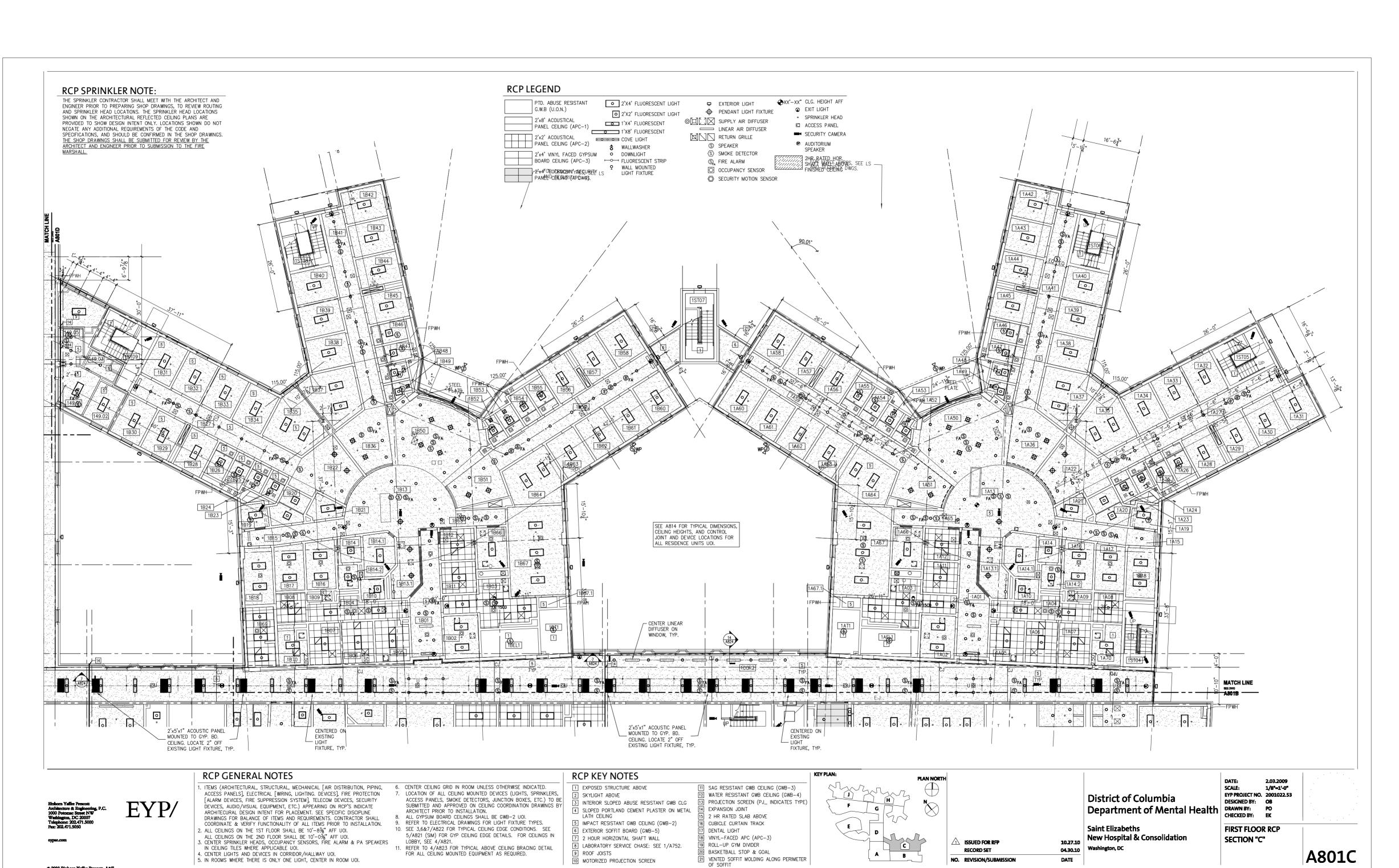
| DRAWING #:

SK-002

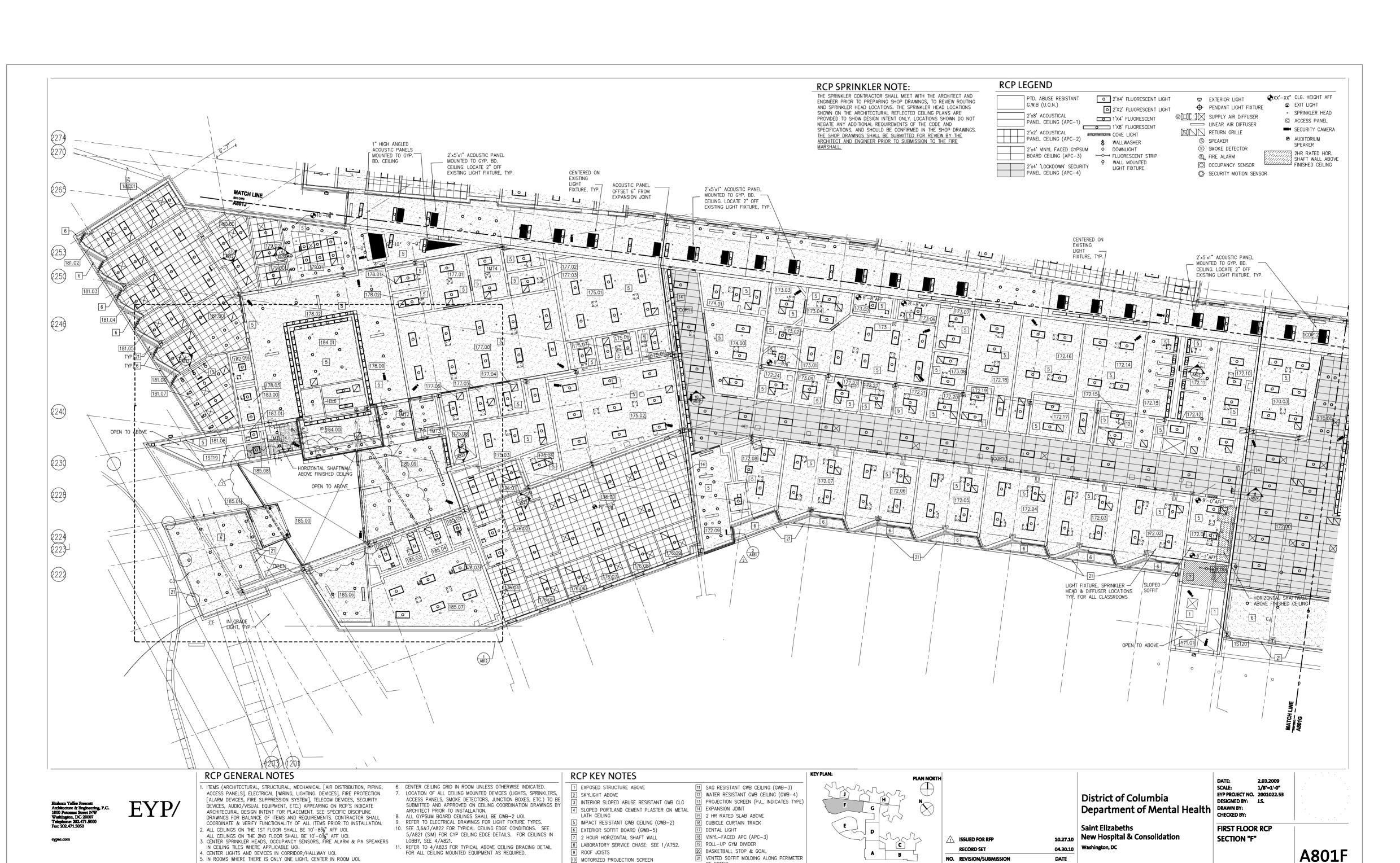




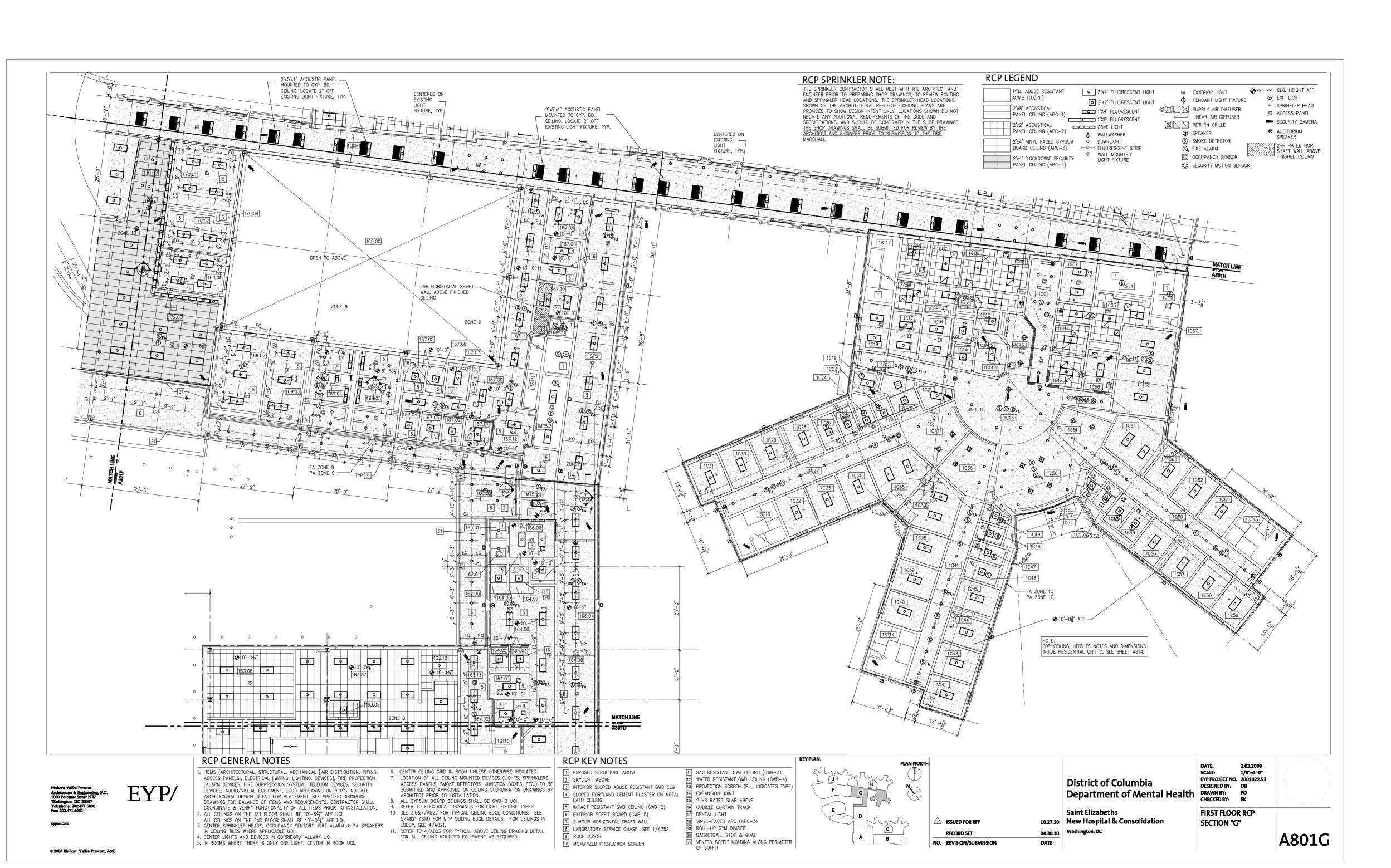


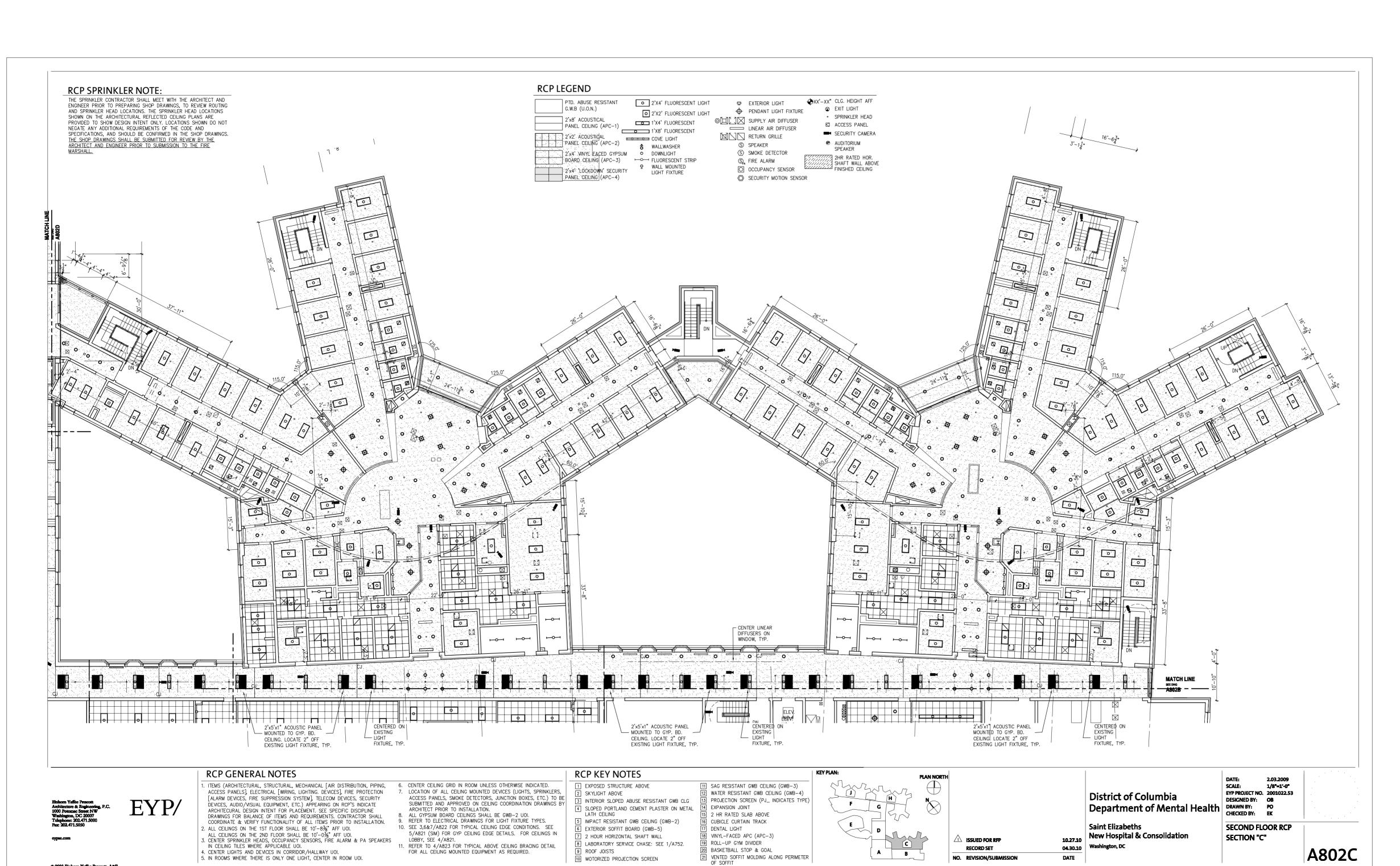


© 2003 Einhorn Yaffee Prescott, A&E



© 2003 Binhorn Yaffee Prescott, A&E





© 2003 Einhorn Yaffee Prescott, A&E