

CONSULTANT SERVICES AGREEMENT

THIS IS AN AGREEMENT made as of June 16, 2023, 2023, between the LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT (**OWNER**) and Tate Hill Jacobs (**CONSULTANT**). **OWNER** intends to proceed with architectural/engineering design services as described in the attached Request for Proposal document. The services are to include the preparation of Schematic Design Documents through Construction Documents, Bidding, and Construction Administration for the construction of the Police West Roll Call – Envelope & HVAC Improvements as contemplated in the **OWNER**'s Request for Proposal No. #27-2023. The services are hereinafter referred to as the Project.

OWNER and **CONSULTANT** in consideration of their mutual covenants herein agree in respect of the performance of professional architectural/engineering services by **CONSULTANT** and the payment for those services by **OWNER** as set forth below.

CONSULTANT was selected by **OWNER** based upon its response to the Request for Proposal No. 27-2023.

CONSULTANT shall provide professional consulting services for **OWNER** in all phases of the Project described herein, serve as **OWNER'S** professional architectural and engineering representative for the Project as set forth below and shall give professional consultation and advice to **OWNER** during the performance of services hereunder.

SECTION 1 - BASIC SERVICES OF CONSULTANT

CONSULTANT shall perform professional services as hereinafter stated, which include customary architectural and engineering incidental thereto.

The following documents are incorporated by reference herein as if fully stated and are attached hereto as exhibits: RFP No. 27-2023. (**Exhibit "A"**), and Consultant's Response submitted June 06, 2023 combined with Fee Clarification Letter submitted on June 13, 2023 (**Exhibit "B"**). To the extent there is conflict among their provisions, the provisions of this Agreement shall take precedence, followed by the provisions of Request for Proposal No. 27-2023. (**Exhibit "A"**).

After written authorization to proceed with the Evaluation and Recommendation Phase, **CONSULTANT** shall:

1. Notify the **OWNER** in writing of its authorized representative who shall act as Project Manager and liaison representative between the **CONSULTANT** and the **OWNER**.
2. On the basis of the "Selection Criteria" in the "Request for Proposal", attached in **Exhibit "A"**, conduct field surveys and gather other necessary data or information, prepare an evaluation and recommendation document consisting of design options and cost estimates as well as all required deliverables listed in the Request for Proposal. See **Exhibit "A"** for complete listing of all deliverables.

This Agreement (consisting of pages 1 to 9 inclusive), together with the Exhibits and schedules identified above, constitutes the entire Agreement between **OWNER** and **CONSULTANT** and supersedes all prior written or oral understandings. This Agreement and said Exhibits and schedules may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

The General Condition provisions of RFP No. 27-2023 are incorporated herein by reference as if fully stated.

SECTION 2 - ADDITIONAL SERVICES BY CONSULTANT

- 2.1. The **OWNER** may desire to have the **CONSULTANT** perform work or render services in connection with this Project other than as provided by **Exhibit "A"** of this Agreement. Such work shall be considered as "Additional Services", subject to a change order, supplemental to this Agreement, setting forth the character and scope thereof and the compensation therefore. Work under such change order shall not proceed until the **OWNER** gives written authorization. Should the **OWNER** find it desirable to have previously satisfactorily completed and accepted plans or parts thereof revised, the **CONSULTANT** shall make such revisions as directed, in writing, by the **OWNER**. This work shall be considered as "Additional Services" and shall be paid as such.
- 2.2. All "Additional Services" are subject to prior written authorization of **OWNER** and necessary appropriations made by the Urban County Council.

SECTION 3 - OWNER'S RESPONSIBILITIES

OWNER shall:

- 3.1. Provide criteria and information as to **OWNER'S** requirements for the Project, including design objectives and constraints, space, capacity and performance requirements, flexibility and expandability, and any budgetary limitations.
- 3.2. Assist **CONSULTANT** by placing at its disposal available information pertinent to the Project.
- 3.3. Examine all studies, reports, sketches, drawings, specifications, proposals and other documents presented by **CONSULTANT**, and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of **CONSULTANT**.
- 3.4. Designate in writing a person to act as **OWNER'S** representative with respect to the services to be rendered under this Agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define **OWNER'S** policies and decisions with respect to materials, equipment, elements and systems pertinent to **CONSULTANT'S** services.

- 3.5. Give written notice to **CONSULTANT** whenever **OWNER** observes or otherwise becomes aware of any development that affects the scope or timing of **CONSULTANT'S** services, or any defect in the work of Contractor(s).
- 3.6. Furnish or direct **CONSULTANT** to provide necessary Additional Services as stipulated in Section Two (2) of this Agreement or other services as required.

SECTION 4 - PERIOD OF SERVICES

- 4.1. See **Exhibit "A"** for the project timeline/schedule.
- 4.2. The provisions of this Section Four (4) and the various rates of compensation for **CONSULTANT'S** services provided for elsewhere in this Agreement have been agreed to in anticipation of the orderly and continuous progress of the Project through completion.

If delays result by reason of acts of the **OWNER** or approving agencies or other causes, which are beyond the control of the **CONSULTANT**, an extension of time for such delay will be considered. If delays occur, the **CONSULTANT** shall within 14 days from the date of the delay apply in writing to the **OWNER** for an extension of time for such reasonable period as may be mutually agreed upon between the parties, and if approved, the Project schedule shall be revised to reflect the extension. Such extension of time to the completion date shall in no way be construed to operate as a waiver on the part of the **OWNER** of any of its rights in the Agreement. Section 6.5, under **DISPUTES**, of this Agreement, shall apply in the event the parties cannot mutually agree upon an extension of time.

In the event that the overall delay resulting from the above described causes is sufficient to prevent complete performance of the Agreement within two (2) months of the time specified therein, the Agreement fee or fees shall be subject to reconsideration and adjustment. Section 6.5 of this Agreement shall apply in the event the parties cannot mutually agree upon an adjustment of fee.

SECTION 5 - PAYMENTS TO CONSULTANT

5.1 Methods of Payment for Services of CONSULTANT

5.1.1 For Basic Services.

Lump Sum Pricing

In consideration of the architectural and engineering services described in this Agreement and its exhibits, **OWNER** shall pay **CONSULTANT** the sum below stated, which sum shall include without limitation all direct labor and supervision necessary to complete the item in a manner that meets or exceeds the customer's satisfaction, labor payroll costs, overhead (such as unemployment taxes, general liability insurance, rent, utilities, phones, supplies, administrative salaries, F.I.C.A., sick and vacation leave, etc.), disposal fees, tool allowances, equipment fees, materials, profits, and all other costs used on, for, or in association with the job. The negotiated cost of services is represented in the Form of Proposal, and is summarized as follows:

<u>Design Stage (Total Services Below)</u>	<u>\$ 230,400.00</u>
Schematic Design Phase: (percentage of total services)	<u>\$ 43,200.00</u> 15%
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<u>Construction Administration Stage</u>	<u>\$ 57,600.00</u>
(percentage of total services)	20%
<u>Total Architectural/ Engineering Services</u>	<u>\$ 288,000.00</u>

5.1.2. For Additional Services

"Additional Services" shall be paid for by the **OWNER** on the basis of the unit pricing below. In the event the **OWNER** and the **CONSULTANT** are unable to agree upon payment for "Additional Services", the amount of such payment shall be determined as set forth in Section 6.5, "DISPUTES" of this Agreement.

Unit Pricing

If Additional Services are requested, the base contract may be increased and/or decreased on the basis of these proposed unit rates. No price adjustments will be made, unless mutually agreed to in advance through the Change Order process to the contract, or as a result of temporary conditions (defined as 30 days or less from the date of the last invoice).

All Unit Pricing Hourly Rates shall include without limitation all direct labor and supervision necessary to complete the item in a manner that meets or exceeds the customer's satisfaction, labor payroll costs, overhead (such as unemployment taxes, general liability insurance, rent, utilities, phones, supplies, administrative salaries, F.I.C.A., sick and vacation leave, etc.), disposal fees, tool allowances, equipment fees, materials, profits, and all other costs used on, for, or in association with the job.

<u>Title/Skill Level</u>	<u>Hourly Rate</u>
<u>Principal</u>	<u>\$ 125.00 /HR</u>
<u>Architect</u>	<u>\$ 100.00 /HR</u>
<u>Sr. Project Manager</u>	<u>\$ 75.00 /HR</u>
<u>Graduate Architect</u>	<u>\$ 60.00 /HR</u>
<u>CAD Technician</u>	<u>\$ 60.00 /HR</u>
_____	<u>\$ _____ /HR</u>
_____	<u>\$ _____ /HR</u>

Additional Services may require procurement beyond the base contract. Procurement shall comply with the specifications set forth herein. The **CONSULTANT** markup over the invoiced price shall be 0 %

5.2. Times of Payment.

5.2.1. For any month in which the **CONSULTANT** provides services in connection with this Agreement, the **CONSULTANT** shall submit to the **OWNER** a written statement reasonably identifying the percentage of each task, listed in Section 5.1.1., above, as may be amended by the parties from time to time, that has been completed to date, the total amount to be billed for each task, the amount previously billed for each task, and the total amount due and owing for each task at the time the statement is issued. Within thirty (30) days of the **OWNER's** receipt of such statement, the **OWNER** shall pay to the **CONSULTANT** all amounts due and owing as indicated thereon, unless the **OWNER** has in good faith contested the same.

5.3. Other Provisions Concerning Payments.

5.3.1. In the event the Agreement is terminated by the **OWNER** without fault on the part of the **CONSULTANT**, the **CONSULTANT** shall be paid for the work performed or services

rendered an amount bearing the same ratio to the total Agreement fee as the amount of work completed or partially completed and delivered to the **OWNER** is to the total amount of work provided for herein, as determined by mutual agreement between the **OWNER** and the **CONSULTANT**.

5.3.2. In the event the services of the **CONSULTANT** are terminated by the **OWNER** for fault on the part of the **CONSULTANT**, the **CONSULTANT** shall be paid reasonable value of the work performed or services rendered and delivered, and the amount to be paid shall be determined by the **OWNER**.

5.3.3. In the event the **CONSULTANT** shall terminate the Agreement because of gross delays caused by the **OWNER**, the **CONSULTANT** shall be paid as set forth in Section 5.3.1. above.

SECTION 6 – ADDITIONAL GENERAL CONSIDERATIONS

6.1. Termination

6.1.1. The obligation to provide further services under this Agreement may be terminated by either party upon ten (10) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party, provided the non-terminating party fails to cure such default within ten (10) days of receiving notice of such default.

6.1.2. The **OWNER** reserves the right to terminate the Agreement for any reason at any time upon seven (7) days written notice to the **CONSULTANT**.

6.2. Ownership and Reuse of Documents.

All documents, including hardcopies and original digital format, including but not limited to Drawings and Specifications, prepared by the **CONSULTANT** pursuant to this Agreement shall be delivered to and become the property of the **OWNER**. The **OWNER** shall have the right to reuse same without restriction or limitation, but without liability or legal exposure to **CONSULTANT**.

6.3. Legal Responsibilities and Legal Relations.

6.3.1. The **CONSULTANT** shall familiarize himself with and shall at all times comply with all federal, state and local laws, ordinances, and regulations which in any manner affect the services of this Agreement.

6.3.2. In performing the services hereunder, the **CONSULTANT** and its **CONSULTANTS**, employees, agents and representatives shall not be deemed or construed to be employees of **OWNER** in any manner whatsoever. Except as otherwise provided in this Agreement, the **CONSULTANT** shall be acting as an independent contractor. The **CONSULTANT** shall not hold itself out as, nor claim to be, an officer or employee of

OWNER by reason hereof and shall not make any claim, demand or application to or for any right or privilege applicable to an officer or employee of **OWNER**. The **CONSULTANT** shall be solely responsible for any claims for wages or compensation by **CONSULTANT'S** employees, agents and representatives, including **CONSULTANTS**, and shall save, defend, and hold **OWNER** harmless therefrom.

6.3.3. The parties hereto agree that causes of actions between the parties shall be governed by applicable provisions of the Kentucky Revised Statutes. Any action arising from or in relation to this Agreement shall be brought in Fayette County, Kentucky.

6.4. Successors and Assigns.

6.4.1. **CONSULTANT** binds itself and its partners, successors, executors, administrators, assigns and legal representatives to this Agreement in respect to all covenants, agreements and obligations of this Agreement. **CONSULTANT** shall not assign any interest, obligation or benefit in this Agreement. **CONSULTANT** shall not assign any interest, obligation or benefit in this Agreement nor transfer any interest in the same, whether by assignment or novation, without prior written consent of **OWNER**.

6.4.2. The **CONSULTANT** shall not subcontract more than fifty percent (50%) of the work, based upon dollar value, to be provided under this Agreement. The **CONSULTANT** shall obtain written approval prior to subletting or assigning any services contained in this Agreement, and consent to sublet or assign any part of this Agreement shall not be construed to relieve the **CONSULTANT** of any responsibility for compliance with the provisions of this Agreement.

6.4.3. Nothing herein shall be construed to give any rights or benefits hereunder to anyone other than **OWNER** and **CONSULTANT**.

6.5. Disputes.

Except as otherwise provided in this Agreement, any dispute concerning the amount of payment due the **CONSULTANT** or any dispute concerning any question of fact of any act to be performed under this Agreement, which is not disposed of by agreement between the Urban County Division of Central Purchasing and the **CONSULTANT**, shall be submitted to the Commissioner of the Department of General Services, Lexington-Fayette Urban County Government, for review. The decision of the Commissioner as to the determination of such dispute shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, capricious, arbitrary or so grossly erroneous as necessarily to imply bad faith. Pending a final decision of a dispute hereunder, the **CONSULTANT** shall proceed diligently with the performance of the Agreement in accordance with the directions of the **OWNER**.

6.6. Accuracy of CONSULTANT'S Work.

The **CONSULTANT** shall be required to perform this Agreement in accordance with the degree of ordinary and reasonable skill and care usually exercised by professional architects and engineers prevailing at the time, place and under similar conditions as the services hereunder are rendered.

The **CONSULTANT** shall be responsible for the accuracy of all work, even though Drawings and Specifications have been accepted by the **OWNER**, and shall make any necessary revisions or corrections resulting from errors and/or omissions on the part of the **CONSULTANT**, without additional compensation. By submission of reports, soils and subsurface information, quantities estimates, calculations and Drawings and Specifications to the **OWNER**, the **CONSULTANT** has made a statement that, to the best of its belief and knowledge, the information is accurate. Failure on the part of **CONSULTANT** to provide the expected level of accuracy may be grounds for the **OWNER** to disqualify **CONSULTANT** from consideration for future **CONSULTANT** service agreements.

6.7. Security Clause.

The **CONSULTANT** certifies that it shall not at any time release or divulge any information concerning the services covered by this Agreement to any person or any public or private organization except the **OWNER** without prior approval of the **OWNER**.

6.8. Access to Records.

The **CONSULTANT** and its sub-**CONSULTANTS** shall maintain all books, documents, papers, and accounting records, and make such materials available at their respective offices at all reasonable times during the contract period and for three (3) years from the date of final payment under the contract for inspection by the **OWNER**, and copies thereof shall be furnished if requested. Failure to maintain such records for three (3) years after the date of final payment may be grounds for the **OWNER** to disqualify the **CONSULTANT** from consideration for future **CONSULTANT** service agreements.

6.9. Required Risk Management Provisions.

The Risk Management Provisions of RFP No. 27-2023 are incorporated herein by reference as if fully stated. Copies of the required Certificates of Insurance shall be provided to **OWNER** as required therein.

SECTION 7 - EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this service agreement, the **CONSULTANT** agrees as follows:

7.1. The **CONSULTANT** will not discriminate against any employee or application for employment because of race, color, religion, national origin, sex, age or handicap. The **CONSULTANT** will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, national origin, sex, age or handicap. Such action shall include, but not be limited to the following:

employment upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeships. The **CONSULTANT** agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this non-discrimination clause.

7.2 The **CONSULTANT** will, in all solicitations or advertisements for employees placed by or on behalf of the **CONSULTANT**, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, age (between forty and seventy), or handicap.

SECTION 8 - SPECIAL PROVISIONS

8.1. This Agreement is subject to the following provisions.

8.1.2. Pursuant to subparagraph 3.4 of this Agreement, **OWNER** has assigned the appropriate Lexington-Fayette Urban County Government employee (the "**OWNER'S Agent**"), as the authorized agent of **OWNER**, to monitor, direct and review the performance of work of the **CONSULTANT**. Documents, data, reports and all matters associated with carrying out this Agreement shall be addressed to the **OWNER'S Agent** or their designee. Questions by the **CONSULTANT** regarding interpretations of the terms, provisions and requirements under this Agreement shall be addressed to the **OWNER'S Agent** or their designee. The **CONSULTANT** shall look only to the **OWNER'S Agent** or their designee for direction in its performance under this Agreement; no other direction shall be binding upon **OWNER**. **OWNER** shall respond to written requests by **CONSULTANT** within thirty (30) days.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

OWNER:

Linda Gorton
Mayor
7/5/2023

CONSULTANT:

Sabrina Oats



TO: Mayor Linda Gorton
Honorable Members, Urban County Council

FROM: 
Chris Ford, Commissioner of General Services

DATE: June 14, 2023

SUBJECT: Consultant Services Agreement for Professional Design Services
Police West Roll Call – Envelope and HVAC Improvements

Request:

Request Council authorization for the Mayor to execute a consultant services agreement with Tate Hill Jacobs for professional design services of the Police West Roll Call – Envelope and HVAC Improvements.

Purpose:

Professional design services are needed for the envelope and HVAC improvements for the existing Police West Roll Call. The existing envelope (exterior façade, roof, windows, etc.) is beyond the expected lifecycle of the materials and is no longer functioning correctly. The failures in the envelope system has allowed extensive moisture intrusion leading to several maintenance issues. This agreement was competitively bid under RFP# 27-2023.

Budgetary Implication:

The cost for Fiscal Year 2023 is \$288,000.

Are the funds budgeted?

Yes. This will be paid from 1105-707201-0001-91012

File Number: 0654-23

Director/Commissioner: Jamshid Baradaran / Chris Ford



CONSULTANT SERVICES AGREEMENT

THIS IS AN AGREEMENT made as of July 3, 2023, between the LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT (OWNER) and Tate Hill Jacobs (CONSULTANT). OWNER intends to proceed with architectural/engineering design services as described in the attached Request for Proposal document. The services are to include the preparation of Schematic Design Documents through Construction Documents, Bidding, and Construction Administration for the construction of the Police West Roll Call – Envelope & HVAC Improvements as contemplated in the OWNER's Request for Proposal No. #27-2023. The services are hereinafter referred to as the Project.

OWNER and CONSULTANT in consideration of their mutual covenants herein agree in respect of the performance of professional architectural/engineering services by CONSULTANT and the payment for those services by OWNER as set forth below.

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CONSULTANT shall provide professional consulting services for OWNER in all phases of the Project described herein, serve as OWNER'S professional architectural and engineering representative for the Project as set forth below and shall give professional consultation and advice to OWNER during the performance of services hereunder.

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1. Notify the OWNER in writing of its authorized representative who shall act as Project Manager and liaison representative between the CONSULTANT and the OWNER.
2. On the basis of the "Selection Criteria" in the "Request for Proposal", attached in Exhibit "A", conduct field surveys and gather other necessary data or information, prepare an evaluation and recommendation document consisting of design options and cost estimates as well as all required deliverables listed in the Request for Proposal. See Exhibit "A" for complete listing of all deliverables.

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5.3.2. In the event the services of the **CONSULTANT** are terminated by the **OWNER** for fault on the part of the **CONSULTANT**, the **CONSULTANT** shall be paid reasonable value of the work performed or services rendered and delivered, and the amount to be paid shall be determined by the **OWNER**.

5.3.3. In the event the **CONSULTANT** shall terminate the Agreement because of gross delays caused by the **OWNER**, the **CONSULTANT** shall be paid as set forth in Section 5.3.1. above.

SECTION 6 – ADDITIONAL GENERAL CONSIDERATIONS

6.1. Termination

6.1.1. The obligation to provide further services under this Agreement may be terminated by either party upon ten (10) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party, provided the non-terminating party fails to cure such default within ten (10) days of receiving notice of such default.

6.1.2. The **OWNER** reserves the right to terminate the Agreement for any reason at any time upon seven (7) days written notice to the **CONSULTANT**.

6.2. Ownership and Reuse of Documents.

All documents, including hardcopies and original digital format, including but not limited to Drawings and Specifications, prepared by the **CONSULTANT** pursuant to this Agreement shall be delivered to and become the property of the **OWNER**. The **OWNER** shall have the right to reuse same without restriction or limitation, but without liability or legal exposure to **CONSULTANT**.

6.3. Legal Responsibilities and Legal Relations.

6.3.1. The **CONSULTANT** shall familiarize himself with and shall at all times comply with all federal, state and local laws, ordinances, and regulations which in any manner affect the services of this Agreement.

6.3.2. In performing the services hereunder, the **CONSULTANT** and its **CONSULTANTS**, employees, agents and representatives shall not be deemed or construed to be employees of **OWNER** in any manner whatsoever. Except as otherwise provided in this Agreement, the **CONSULTANT** shall be acting as an independent contractor. The **CONSULTANT** shall not hold itself out as, nor claim to be, an officer or employee of

OWNER by reason hereof and shall not make any claim, demand or application to or for any right or privilege applicable to an officer or employee of **OWNER**. The **CONSULTANT** shall be solely responsible for any claims for wages or compensation by **CONSULTANT'S** employees, agents and representatives, including **CONSULTANTS**, and shall save, defend, and hold **OWNER** harmless therefrom.

6.3.3. The parties hereto agree that causes of actions between the parties shall be governed by applicable provisions of the Kentucky Revised Statutes. Any action arising from or in relation to this Agreement shall be brought in Fayette County, Kentucky.

6.4. Successors and Assigns.

6.4.1. **CONSULTANT** binds itself and its partners, successors, executors, administrators, assigns and legal representatives to this Agreement in respect to all covenants, agreements and obligations of this Agreement. **CONSULTANT** shall not assign any interest, obligation or benefit in this Agreement. **CONSULTANT** shall not assign any interest, obligation or benefit in this Agreement nor transfer any interest in the same, whether by assignment or novation, without prior written consent of **OWNER**.

6.4.2. The **CONSULTANT** shall not subcontract more than fifty percent (50%) of the work, based upon dollar value, to be provided under this Agreement. The **CONSULTANT** shall obtain written approval prior to subletting or assigning any services contained in this Agreement, and consent to sublet or assign any part of this Agreement shall not be construed to relieve the **CONSULTANT** of any responsibility for compliance with the provisions of this Agreement.

6.4.3. Nothing herein shall be construed to give any rights or benefits hereunder to anyone other than **OWNER** and **CONSULTANT**.

6.5. Disputes.

Except as otherwise provided in this Agreement, any dispute concerning the amount of payment due the **CONSULTANT** or any dispute concerning any question of fact of any act to be performed under this Agreement, which is not disposed of by agreement between the Urban County Division of Central Purchasing and the **CONSULTANT**, shall be submitted to the Commissioner of the Department of General Services, Lexington-Fayette Urban County Government, for review. The decision of the Commissioner as to the determination of such dispute shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, capricious, arbitrary or so grossly erroneous as necessarily to imply bad faith. Pending a final decision of a dispute hereunder, the **CONSULTANT** shall proceed diligently with the performance of the Agreement in accordance with the directions of the **OWNER**.

6.6. Accuracy of CONSULTANT'S Work.

The **CONSULTANT** shall be required to perform this Agreement in accordance with the degree of ordinary and reasonable skill and care usually exercised by professional architects and engineers prevailing at the time, place and under similar conditions as the services hereunder are rendered.

The **CONSULTANT** shall be responsible for the accuracy of all work, even though Drawings and Specifications have been accepted by the **OWNER**, and shall make any necessary revisions or corrections resulting from errors and/or omissions on the part of the **CONSULTANT**, without additional compensation. By submission of reports, soils and subsurface information, quantities estimates, calculations and Drawings and Specifications to the **OWNER**, the **CONSULTANT** has made a statement that, to the best of its belief and knowledge, the information is accurate. Failure on the part of **CONSULTANT** to provide the expected level of accuracy may be grounds for the **OWNER** to disqualify **CONSULTANT** from consideration for future **CONSULTANT** service agreements.

6.7. Security Clause.

The **CONSULTANT** certifies that it shall not at any time release or divulge any information concerning the services covered by this Agreement to any person or any public or private organization except the **OWNER** without prior approval of the **OWNER**.

6.8. Access to Records.

The **CONSULTANT** and its sub-**CONSULTANTS** shall maintain all books, documents, papers, and accounting records, and make such materials available at their respective offices at all reasonable times during the contract period and for three (3) years from the date of final payment under the contract for inspection by the **OWNER**, and copies thereof shall be furnished if requested. Failure to maintain such records for three (3) years after the date of final payment may be grounds for the **OWNER** to disqualify the **CONSULTANT** from consideration for future **CONSULTANT** service agreements.

6.9. Required Risk Management Provisions.

The Risk Management Provisions of RFP No. 27-2023 are incorporated herein by reference as if fully stated. Copies of the required Certificates of Insurance shall be provided to **OWNER** as required therein.

SECTION 7 - EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this service agreement, the **CONSULTANT** agrees as follows:

- 7.1.** The **CONSULTANT** will not discriminate against any employee or application for employment because of race, color, religion, national origin, sex, age or handicap. The **CONSULTANT** will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, national origin, sex, age or handicap. Such action shall include, but not be limited to the following:

employment upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeships. The **CONSULTANT** agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this non-discrimination clause.

7.2 The **CONSULTANT** will, in all solicitations or advertisements for employees placed by or on behalf of the **CONSULTANT**, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, age (between forty and seventy), or handicap.

SECTION 8 - SPECIAL PROVISIONS

8.1. This Agreement is subject to the following provisions.

8.1.2. Pursuant to subparagraph 3.4 of this Agreement, **OWNER** has assigned the appropriate Lexington-Fayette Urban County Government employee (the "**OWNER'S** Agent"), as the authorized agent of **OWNER**, to monitor, direct and review the performance of work of the **CONSULTANT**. Documents, data, reports and all matters associated with carrying out this Agreement shall be addressed to the **OWNER'S** Agent or their designee. Questions by the **CONSULTANT** regarding interpretations of the terms, provisions and requirements under this Agreement shall be addressed to the **OWNER'S** Agent or their designee. The **CONSULTANT** shall look only to the **OWNER'S** Agent or their designee for direction in its performance under this Agreement; no other direction shall be binding upon **OWNER**. **OWNER** shall respond to written requests by **CONSULTANT** within thirty (30) days.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

OWNER:

CONSULTANT:



Lexington-Fayette Urban County Government

Master

200 E. Main St
Lexington, KY 40507

File Number: 0654-23

File ID: 0654-23	Type: Agenda Item	Status: Draft
Version: 1	Contract #:	In Control: General Services
Division: General Services	Cost:	File Created: 06/14/2023
File Name: Professional Services for Police West Roll Call Envelope and HVAC Improvements - RFP# 27-2023		Final Action:

Title: Request Council authorization for the Mayor to execute a consultant services agreement with Tate Hill Jacobs for professional design services of the Police West Roll Call - Envelope and HVAC Improvements.

Notes:

Code Sections:

Agenda Date: 06/27/2023

Indexes:

Agenda Number:

Sponsors:

Enactment Date:

Attachments: Police West Roll Call Envelope and HVAC -Request for Authorization, Consultant Services Agreement, RFP Pkg 27-2023 - Exhibit-A, Tate Hill Jacobs - Exhibit-B, Certificate of Liability Insurance -Tate Hill Jacobs

Enactment Number:

Deed #:

Hearing Date:

Drafter: Chris Litton

Effective Date:

Related Files:

Approval History

Version	Seq #	Action Date	Approver	Action	Due Date
1	1		Chris Ford		
1	2		Hilary Angelucci		
1	3		Elizabeth McGee		
1	4		Jennifer Hollon		
1	5		Sally Hamilton		
1	6		Theresa Reynolds		
1	7		Tammy Walters		
1	8		Todd Slatin		
1	9		Stacey Maynard		

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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Text of Legislative File 0654-23

Title

Request Council authorization for the Mayor to execute a consultant services agreement with Tate Hill Jacobs for professional design services of the Police West Roll Call - Envelope and HVAC Improvements.

Summary

Professional design services are needed for the envelope and HVAC improvements for the existing Police West Roll Call. The existing envelope (exterior façade, roof, windows, etc.) is beyond the expected lifecycle of the materials and is no longer functioning correctly. The failures in the envelope system has allowed extensive moisture intrusion leading to several maintenance issues. This agreement was competitively bid under RFP# 27-2023.

Budgetary Implications: Yes

Advance Document Review:

Law: N/A

Risk Management: N/A

Fully Budgeted: Yes

Account Number: 1105-707201-0001-91012

This Fiscal Year Impact: \$288,000.00

Annual Impact: \$0

Project: PDWEST_ENV_2023

Activity: BUILD_IMPR

Budget Reference: 2023

Current Balance:



Lexington-Fayette Urban County Government

Request for Proposals

The Lexington-Fayette Urban County Government hereby requests proposals for **RFP #27-2023 Professional Design Services for Police Roll Call West** to be provided in accordance with terms, conditions and specifications established herein.

Sealed proposals will be received through Ion Wave until **2:00 PM**, prevailing local time, on **June 6, 2023**. All forms and information requested in RFP must be included and attached in Response Attachments tab in Ion Wave.

Proposals received after the date and time set for opening proposals will not be accepted. It is the sole responsibility of the Proposer to assure that his/her proposal is submitted in Ion Wave before the date and time set for opening proposals.

Proposals, once submitted, may not be withdrawn for a period of one hundred twenty (120) calendar days.

The Lexington-Fayette Urban County Government reserves the right to reject any or all proposals, and to waive technicalities and informalities when such waiver is determined by the Lexington-Fayette Urban County Government to be in its best interest.

Signature of this proposal by the Proposer constitutes acceptance by the Proposer of terms, conditions and requirements set forth herein.

Minor exceptions may not eliminate the proposal. Any exceptions to the specifications established herein shall be listed in detail on a separate sheet and attached hereto. The Lexington-Fayette Urban County Government shall determine whether any exception is minor.

The Lexington-Fayette Urban County Government encourages the participation of minority- and women-owned businesses in Lexington-Fayette Urban County Government contracts. This proposal is subject to Affirmative Action requirements attached hereto.

Please do not contact any LFUCG staff member or any other person involved in the selection process other than the designated contact person(s) regarding the project contemplated under this RFP while this RFP is open and a selection has not been finalized. Any attempt to do so may result in disqualification of the firm's submittal for consideration.

Pre-proposal meeting will be held May 16, 2023, 1:00 pm, 1795 Old Frankfort Pike, Lexington, KY.

Laws and Regulations

All applicable state laws, municipal ordinances and regulations of all authorities having jurisdiction over the project shall apply to the contract, and shall be deemed to be incorporated herein by reference.

Equal Employment Opportunity

The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, religion, sex (including pregnancy, sexual orientation or gender identity), national origin, disability, age, genetic information, political affiliation, or veteran status, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.

Kentucky Equal Employment Opportunity Act

The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any "county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

"During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, or national origin;
- (2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, or national origin;
- (3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provision of the nondiscrimination clauses required by this section; and
- (4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses."

The Act further provides:

"KRS 45.610. Hiring minorities -- Information required

- (1) For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetables.

(2) Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.

KRS 45.620. Action against contractor -- Hiring of minority contractor or subcontractor

(1) If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.

(2) If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 to 45.640.

(3) The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.

KRS 45.630 Termination of existing employee not required, when

Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that employee was employed prior to the date of the contract.

KRS 45.640 Minimum skills

Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job."

It is recommended that all of the provisions above quoted be included as special conditions in each contract. In the case of a contract exceeding \$250,000, the contractor is required to furnish evidence that his workforce in Kentucky is representative of the available work-force in the area from which he draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the contract.

LFUCG Non-Appropriation Clause

Contractor acknowledges that the LFUCG is a governmental entity, and the contract validity is based upon the availability of public funding under the authority of its statutory mandate.

In the event that public funds are unavailable and not appropriated for the performance of the LFUCG's obligations under this contract, then this contract shall automatically expire without penalty to the LFUCG thirty (30) days after written notice to Contractor of the unavailability and non-appropriation of public funds. It is expressly agreed that the LFUCG shall not activate this non-appropriation provision for its convenience or to circumvent the requirements of this contract, but only as an emergency fiscal measure during a substantial fiscal crisis, which affects generally its governmental operations.

In the event of a change in the LFUCG's statutory authority, mandate and mandated functions, by state and federal legislative or regulatory action, which adversely affects the LFUCG's authority to continue its obligations under this contract, then this contract shall automatically terminate without penalty to the LFUCG upon written notice to Contractor of such limitation or change in the LFUCG's legal authority.

Contention Process

Vendors who respond to this invitation have the right to file a notice of contention associated with the RFP process or to file a notice of appeal of the recommendation made by the Director of Central Purchasing resulting from this invitation.

Notice of contention with the RFP process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his/her contention with the RFP process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Central Purchasing shall promptly respond in writing findings as to the compliance with RFP processes. If, based on this review, a RFP process irregularity is deemed to have occurred the Director of Central Purchasing will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a RFP recommendation must be filed within 3 business days of the RFP recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Central Purchasing shall in writing, affirm or withdraw the recommendation.

AMERICAN RESCUE PLAN ACT

AMENDMENT 1 — CERTIFICATION OF COMPLIANCE FOR EXPENDITURES USING FEDERAL FUNDS, INCLUDING THE AMERICAN RESCUE PLAN ACT

The Lexington-Fayette Urban County Government (“LFUCG”) may use Federal funding to pay for the goods and/or services that are the subject matter of this bid. That Federal funding may include funds received by LFUCG under the American Rescue Plan Act of 2021. Expenditures using Federal funds require evidence of the contractor’s compliance with Federal law. Therefore, by the signature below of an authorized company representative, you certify that the information below is understood, agreed, and correct. Any misrepresentations may result in the termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

The bidder (hereafter “bidder,” or “contractor”) agrees and understands that in addition to all conditions stated within the attached bid documents, the following conditions will also apply to any Agreement entered between bidder and LFUCG, if LFUCG uses Federal funds, including but not limited to funding received by LFUCG under the American Rescue Plan Act (“ARPA”), toward payment of goods and/or services referenced in this bid. The bidder also agrees and understands that if there is a conflict between the terms included elsewhere in this Request for Proposal and the terms of this Amendment 1, then the terms of Amendment 1 shall control. The bidder further certifies that it can and will comply with these conditions, if this bid is accepted and an Agreement is executed:

1. Any Agreement executed as a result of acceptance of this bid may be governed in accordance with 2 CFR Part 200 and all other applicable Federal law and regulations and guidance issued by the U.S. Department of the Treasury.
2. Pursuant to 24 CFR § 85.43, any Agreement executed as a result of acceptance of this bid can be terminated if the contractor fails to comply with any term of the award. This Agreement may be terminated for convenience in accordance with 24 CFR § 85.44 upon written notice by LFUCG. Either party may terminate this Agreement with thirty (30) days written notice to the other party, in which case the Agreement shall terminate on the thirtieth day. In the event of termination, the contractor shall be entitled to that portion of total compensation due under this Agreement as the services rendered bears to the services required. However, if LFUCG suspects a breach of the terms of the Agreement and/or that the contractor is violating the terms of any applicable law governing the use of Federal funds, LFUCG may suspend the contractor’s ability to receive payment by giving thirty (30) days’ advance written notice. Further, either party may terminate this Agreement for cause shown with thirty (30) days written notice, which shall explain the party’s cause for the termination. If the parties do not reach a settlement before the end of the 30 days, then the Agreement shall terminate on the thirtieth day. In the event of a breach, LFUCG reserves the right to pursue any and all applicable legal, equitable, and/or administrative remedies against the contractor.
3. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

- (1) Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- (3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- (4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part, and the contractor may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

Provided, however, that in the event a contractor becomes involved in or is threatened with litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

4. If fulfillment of the contract requires the contractor to employ mechanic's or laborers, the contractor further agrees that it can and will comply with the following:

- (1) *Overtime requirements: No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such a workweek unless such laborer or mechanic receives compensation at a rate not less*

than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such a workweek.

- (2) Violation: liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.*
- (3) Withholding for unpaid wages and liquidated damages. LFUCG shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.*
- (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower-tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower-tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.*

5. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.

6. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency Regional Office.

7. The contractor shall include these requirements in numerical paragraphs 5 and 6 in each subcontract exceeding \$100,000 financed in whole or in part with Federal funding.

8. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 et seq.

9. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency Regional Office.

10. The contractor shall include these requirements in numerical paragraphs 8 and 9 in each subcontract exceeding \$100,000 financed in whole or in part with Federal funds.

11. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 et seq.

12. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency regional office.

13. The contractor shall include these requirements in numerical paragraphs 11 and 12 in each subcontract exceeding \$100,000 financed in whole or in part with American Rescue Plan Act funds.

14. The contractor shall include this language in any subcontract it executes to fulfill the terms of this bid: “the sub-grantee, contractor, subcontractor, successor, transferee, and assignee shall comply with Title VI of the Civil Rights Act of 1964, which prohibits recipients of federal financial assistance from excluding from a program or activity, denying benefits of, or otherwise discriminating against a person on the basis of race, color, or national origin (42 U.S.C. § 2000d et seq.), as implemented by the Department of the Treasury’s Title VI regulations, 31 CFR Part 22, which are herein incorporated by reference and made a part of this contract (or agreement). Title VI also includes protection to persons with ‘Limited English Proficiency’ in any program or activity receiving federal financial assistance, 42 U.S.C. § 2000d et seq., as implemented by the Department of the Treasury’s Title VI regulations, 31 CFR Part 22, and herein incorporated by reference and made a part of this contract or agreement.”

15. Contractors who apply or bid for an award of \$100,000 or more shall file the required certification that it will not and has not used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency. Each tier certifies to the tier above that it will not and has not used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier, up to the recipient. The required certification is included here:

- a. The undersigned certifies, to the best of his or her knowledge and belief, that:
 - (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
 - (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions.
 - (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.
- b. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

16. The contractor acknowledges and certifies that it has not been debarred or suspended and further acknowledges and agrees that it must comply with regulations regarding debarred or suspended entities in accordance with 24 CFR § 570.489(1). Funds may not be provided to excluded or disqualified persons.

17. The contractor agrees and certifies that to the greatest extent practicable, it will prefer the purchase, acquisition, and use of all applicable goods, products or materials produced in the United States, in conformity with 2 CFR 200.322 and/or section 70914 of Public Law No. 117-58, §§ 70901-52, also known as the Infrastructure Investment and Jobs Act, whichever is applicable.

18. The contractor agrees and certifies that all activities performed pursuant to any Agreement entered as a result of the contractor's bid, and all goods and services procured under that Agreement, shall comply with 2 C.F.R. § 200.216 (Prohibition on certain telecommunications and video surveillance services and equipment) and 2 C.F.R. 200 § 200..323 (Procurement of recovered materials), to the extent either section is applicable.

19. If this bid involves construction work for a project totaling \$10 million or more, then the contractor further agrees that all laborers and mechanics, etc., employed in the construction of the public facility project assisted with funds provided under this Agreement, whether employed by contractor, or contractor's contractors, or subcontractors, shall be paid wages complying with the Davis-Bacon Act (40 U.S.C. 3141-3144). Contractor agrees that all of contractor's contractors and subcontractors will pay laborers and mechanics the prevailing wage as determined by the Secretary of Labor and that said laborers and mechanics will be paid not less than once a week. The contractor agrees to comply with the Copeland Anti- Kick Back Act (18 U.S.C. § 874) and its implementing regulations of the U.S. Department of Labor at 29 CFR part 3 and part 5. The contractor further agrees to comply with the applicable provisions of the Contract Work Hours and Safety Standards Act (40 U.S.C. Section 327-333), and the applicable provisions of the Fair Labor Standards Act of 1938, as amended (29 U.S.C. et seq.). Contractor further agrees that it will report all suspected or reported violations of any of the laws identified in this paragraph to LFUCG.

Signature

Date

SELECTION CRITERIA:

1. Professional qualifications and experience of the team with architectural and engineering services throughout the design and construction phases. 20
2. Demonstrated understanding of the project requirements. Including past experience with similar projects, building systems, and project approach. 25
3. Capacity of the team to perform the work within the time limitations. Illustrated by the current volume of work in progress. 15
4. Past record and performance on contracts with the LFUCG, other governmental agencies, and private industry with respect to such factors as cost control, quality of work, and ability to meet schedule requirements. 5
5. Degree of local employment to be provided by the person or firm in the performance of the contract by the person or firm. 5
6. Fees 30

Proposals shall contain the appropriate information necessary to evaluate based on these criteria. A committee composed of government employees as well as representatives of relevant user groups will evaluate the proposals.

Questions shall be submitted via IonWave at: <https://lexingtonky.ionwave.net>

Affirmative Action Plan

All vendors must submit as a part of the proposal package the following items to the Urban County Government:

1. Affirmative Action Plan for his/her firm;
2. Current Work Force Analysis Form;

Failure to submit these items as required may result in disqualification of the submitter from award of the contract. All submissions should be directed to:

Director, Division of Central Purchasing
Lexington-Fayette Urban County Government
200 East Main Street, 3rd Floor
Lexington, Kentucky 40507

All questions regarding this proposal must be directed to the Division of Central Purchasing, (859)-258-3320.

AFFIDAVIT

Comes the Affiant, _____, and after being first duly sworn, states under penalty of perjury as follows:

1. His/her name is _____ and he/she is the individual submitting the proposal or is the authorized representative of _____, the entity submitting the proposal (hereinafter referred to as "Proposer").

2. Proposer will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the proposal is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.

3. Proposer will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.

4. Proposer has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.

5. Proposer has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Proposer will not violate any provision of the campaign finance laws of the Commonwealth.

6. Proposer has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."

Continued on next page

7. Proposer acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

STATE OF _____

COUNTY OF _____

The foregoing instrument was subscribed, sworn to and acknowledged before me

by _____ on this the _____ day

of _____, 20__.

My Commission expires: _____

NOTARY PUBLIC, STATE AT LARGE

EQUAL OPPORTUNITY AGREEMENT

Standard Title VI Assurance

The Lexington Fayette-Urban County Government, (hereinafter referred to as the "Recipient") hereby agrees that as a condition to receiving any Federal financial assistance from the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78Stat.252, 42 U.S.C. 2000d-4 (hereinafter referred to as the "Act"), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, (49 CFR, Part 21) Nondiscrimination in Federally Assisted Program of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the "Regulations") and other pertinent directives, no person in the United States shall, on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the U.S. Department of Transportation, including the Federal Highway Administration, and hereby gives assurance that will promptly take any necessary measures to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:

The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.

Signature

Name of Business

WORKFORCE ANALYSIS FORM

Name of Organization: _____

Categories	Total	White (Not Hispanic or Latino)		Hispanic or Latino		Black or African-American (Not Hispanic or Latino)		Native Hawaiian and Other Pacific Islander (Not Hispanic or Latino)		Asian (Not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (Not Hispanic or Latino)		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Administrators																	
Professionals																	
Superintendents																	
Supervisors																	
Foremen																	
Technicians																	
Protective																	
Para-																	
Office/Clerical																	
Skilled Craft																	
Service/Maintena																	
Total:																	

Prepared by: _____ Date: ____/____/____

(Name and Title)

Revised 2015-Dec-15

**DIRECTOR, DIVISION OF CENTRAL PURCHASING
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
200 EAST MAIN STREET
LEXINGTON, KENTUCKY 40507**

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITIES AND DBE CONTRACT PARTICIPATION

Notice of requirement for Affirmative Action to ensure Equal Employment Opportunities and Disadvantaged Business Enterprises (DBE) Contract participation. Disadvantaged Business Enterprises (DBE) consists of Minority-Owned Business Enterprises (MBE) and Woman-Owned Business Enterprises (WBE).

The Lexington-Fayette Urban County Government has set a goal that not less than ten percent (10%) of the total value of this Contract be subcontracted to Disadvantaged Business Enterprises, which is made up of MBEs and WBEs. The Lexington Fayette Urban County Government also has set a goal that not less than three percent (3%) of the total value of this Contract be subcontracted to Veteran-owned Small Businesses. The goal for the utilization of Disadvantaged Business Enterprises as well Veteran –owned Small Businesses as subcontractors is a recommended goal. Contractor(s) who fail to meet such goal will be expected to provide written explanations to the Director of the Division of Purchasing of efforts they have made to accomplish the recommended goal, and the extent to which they are successful in accomplishing the recommended goal will be a consideration in the procurement process. Depending on the funding source, other DBE goals may apply.

For assistance in locating Disadvantaged Business Enterprises Subcontractors contact:

Sherita Miller, MPA, Division of Central Purchasing
Lexington-Fayette Urban County Government
200 East Main Street, 3rd Floor, Room 338
Lexington, Kentucky 40507
smiller@lexingtonky.gov

Firm Submitting Proposal: _____

Complete Address: _____
Street City Zip

Contact Name: _____ Title: _____

Telephone Number: _____ Fax Number: _____

Email address: _____

Lexington-Fayette Urban County Government
MWDBE PARTICIPATION GOALS

A. GENERAL

- 1) The LFUCG request all potential contractors to make a concerted effort to include Minority-Owned (MBE), Woman-Owned (WBE), Disadvantaged (DBE) Business Enterprises and Veteran-Owned Small Businesses (VOSB) as subcontractors or suppliers in their bids.
- 2) Toward that end, the LFUCG has established 10% of total procurement costs as a Goal for participation of Minority-Owned, Woman-Owned and Disadvantaged Businesses on this contract.
- 3) **It is therefore a request of each Bidder to include in its bid, the same goal (10%) for MWDBE participation and other requirements as outlined in this section.**
- 4) The LFUCG has also established a 3% of total procurement costs as a Goal for participation for of Veteran-Owned Businesses.
- 5) **It is therefore a request of each Bidder to include in its bid, the same goal (3%) for Veteran-Owned participation and other requirements as outlined in this section.**

B. PROCEDURES

- 1) The successful bidder will be required to report to the LFUCG, the dollar amounts of all payments submitted to Minority-Owned, Woman-Owned or Veteran-Owned subcontractors and suppliers for work done or materials purchased for this contract. (See Subcontractor Monthly Payment Report)
- 2) Replacement of a Minority-Owned, Woman-Owned or Veteran-Owned subcontractor or supplier listed in the original submittal must be requested in writing and must be accompanied by documentation of Good Faith Efforts to replace the subcontractor / supplier with another MWDBE Firm; this is subject to approval by the LFUCG. (See LFUCG MWDBE Substitution Form)
- 3) For assistance in identifying qualified, certified businesses to solicit for potential contracting opportunities, bidders may contact:
 - a) The Lexington-Fayette Urban County Government, Division of Central Purchasing (859-258-3320)
- 4) The LFUCG will make every effort to notify interested MWDBE and Veteran-Owned subcontractors and suppliers of each Bid Package, including information on the scope of work, the pre-bid meeting time and location, the bid date, and all other pertinent information regarding the project.

C. DEFINITIONS

- 1) A Minority-Owned Business Enterprise (MBE) is defined as a business which is certified as being at least 51% owned, managed and controlled by persons of African American, Hispanic, Asian, Pacific Islander, American Indian or Alaskan Native Heritage.
- 2) A Woman-Owned Business Enterprise (WBE) is defined as a business which is certified as being at least 51% owned, managed and controlled by one or more women.

- 3) A Disadvantaged Business (DBE) is defined as a business which is certified as being at least 51% owned, managed and controlled by a person(s) that are economically and socially disadvantaged.
- 4) A Veteran-Owned Small Business (VOSB) is defined as a business which is certified as being at least 51% owned, managed and controlled by a veteran and/or a service disabled veteran.
- 5) Good Faith Efforts are efforts that, given all relevant circumstances, a bidder or proposer actively and aggressively seeking to meet the goals, can reasonably be expected to make. In evaluating good faith efforts made toward achieving the goals, whether the bidder or proposer has performed the efforts outlined in the Obligations of Bidder for Good Faith Efforts outlined in this document will be considered, along with any other relevant factors.

D. OBLIGATION OF BIDDER FOR GOOD FAITH EFFORTS

- 1) **The bidder shall make a Good Faith Effort to achieve the Participation Goal for MWDBE and Veteran-Owned subcontractors/suppliers. The failure to meet the goal shall not necessarily be cause for disqualification of the bidder; however, bidders not meeting the goal are required to furnish with their bids written documentation of their Good Faith Efforts to do so.**
- 2) Award of Contract shall be conditioned upon satisfaction of the requirements set forth herein.
- 3) The Form of Proposal includes a section entitled "MWDBE Participation Form". The applicable information must be completed and submitted as outlined below.
- 4) **Failure to submit this information as requested may be cause for rejection of bid or delay in contract award.**

E. DOCUMENTATION REQUIRED FOR GOOD FAITH EFFORTS

- 1) Bidders reaching the Goal are required to submit only the MWDBE Participation Form." The form must be fully completed including names and telephone number of participating MWDBE firm(s); type of work to be performed; estimated value of the contract and value expressed as a percentage of the total Lump Sum Bid Price. The form must be signed and dated, and is to be submitted with the bid.
- 2) Bidders not reaching the Goal must submit the "MWDBE Participation Form", the "Quote Summary Form" and a written statement documenting their Good Faith Effort to do so. If bid includes no MWDBE and/or Veteran participation, bidder shall enter "None" on the subcontractor / supplier form). In addition, the bidder must submit written proof of their Good Faith Efforts to meet the Participation Goal:
 - a. Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.
 - b. Included documentation of advertising in the above publications with the bidders good faith efforts package

- c. Attended LFUCG Central Purchasing Economic Inclusion Outreach event
- d. Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned businesses of subcontracting opportunities
- e. Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses.
- f. Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).
- g. Contacted organizations that work with MWDBE companies for assistance in finding certified MWDBE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.
- d. Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs and/or Veteran-Owned businesses soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.
- e. Followed up initial solicitations by contacting MWDBEs and Veteran-Owned Businesses to determine their level of interest.
- j. Provided the interested MWDBE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.
- k. Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MWDBE and Veteran participation, even when the prime contractor may otherwise perform these work items with its own workforce
- l. Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.
- m. Included documentation of quotations received from interested MWDBE firms and Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.
- n. Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.

o. Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal

p. Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

q. Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE and Veteran participation.

Note: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to review by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.



MINORITY BUSINESS ENTERPRISE PROGRAM

Sherita Miller, MPA
Minority Business Enterprise Liaison
Division of Central Purchasing
Lexington-Fayette Urban County Government
200 East Main Street
Lexington, KY 40507
smiller@lexingtonky.gov
859-258-3323

OUR MISSION: The mission of the Minority Business Enterprise Program is to facilitate the full participation of minority and women owned businesses in the procurement process and to promote economic inclusion as a business imperative essential to the long term economic viability of Lexington-Fayette Urban County Government.

To that end the city council adopted and implemented Resolution 484-2017 – A Certified Minority, Women and Disadvantaged Business Enterprise ten percent (10%) minimum goal and a three (3%) minimum goal for Certified Veteran-Owned Small Businesses and Certified Service Disabled Veteran – Owned Businesses for government contracts.

The resolution states the following definitions shall be used for the purposes of reaching these goals (a full copy is available in Central Purchasing):

Certified Disadvantaged Business Enterprise (DBE) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a person(s) who is socially and economically disadvantaged as define by 49 CFR subpart 26.

Certified Minority Business Enterprise (MBE) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by an ethnic minority (i.e. African American, Asian American/Pacific Islander, Hispanic Islander, Native American/Native Alaskan Indian) as defined in federal law or regulation as it may be amended from time-to-time.

Certified Women Business Enterprise (WBE) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a woman.

Certified Veteran-Owned Small Business (VOSB) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a veteran who served on active duty with the U.S. Army, Air Force, Navy, Marines or Coast Guard.

Certified Service Disabled Veteran Owned Small Business (SDVOSB) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a disabled veteran who served on active duty with the U.S. Army, Air Force, Navy, Marines or Coast Guard.

The term “Certified” shall mean the business is appropriately certified, licensed, verified, or validated by an organization or entity recognized by the Division of Purchasing as having the appropriate credentials to make a determination as to the status of the business.

We have compiled the list below to help you locate certified MBE, WBE and DBE certified businesses. Below is a listing of contacts for LFUCG Certified MWDBEs and Veteran-Owned Small Businesses in (<https://lexingtonky.ionwave.net>)

Business	Contact	Email Address	Phone
LFUCG	Sherita Miller	smiller@lexingtonky.gov	859-258-3323
Commerce Lexington – Minority Business Development	Tyrone Tyra	ttyra@commercelexington.com	859-226-1625
Tri-State Minority Supplier Diversity Council	Susan Marston	smarston@tsmsdc.com	502-365-9762
Small Business Development Council	Shawn Rogers UK SBDC	shawn.rogers@uky.edu	859-257-7666
Community Ventures Corporation	Phyllis Alcorn	palcorn@cvky.org	859-231-0054
KY Transportation Cabinet (KYTC)	Melvin Bynes	Melvin.bynes2@ky.gov	502-564-3601
KYTC Pre-Qualification	Sheila Eagle	Sheila.Eagle@ky.gov	502-782-4815
Ohio River Valley Women’s Business Council (WBENC)	Sheila Mixon	smixon@orvwbc.org	513-487-6537
Kentucky MWBE Certification Program	Yvette Smith, Kentucky Finance Cabinet	Yvette.Smith@ky.gov	502-564-8099
National Women Business Owner’s Council (NWBOC)	Janet Harris-Lange	janet@nwbo.org	800-675-5066
Small Business Administration	Robert Coffey	robertcoffey@sba.gov	502-582-5971
LaVoz de Kentucky	Andres Cruz	lavozekey@yahoo.com	859-621-2106
The Key News Journal	Patrice Muhammad	production@keynewsjournal.com	859-685-8488



LFUCG MWDBE PARTICIPATION FORM

Bid/RFP/Quote Reference # _____

The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately. **Failure to submit a completed form may cause rejection of the bid.**

MWDBE Company, Name, Address, Phone, Email	MBE WBE or DBE	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1.				
2.				
3.				
4.				

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Company

Company Representative

Date

Title



LFUCG MWDBE SUBSTITUTION FORM

Bid/RFP/Quote Reference # _____

The substituted MWDBE and/or veteran subcontractors listed below have agreed to participate on this Bid/RFP/Quote. These substitutions were made prior to or after the job was in progress. These substitutions were made for reasons stated below and are now being submitted to Central Purchasing for approval. By the authorized signature of a representative of our company, we understand that this information will be entered into our file for this project.

SUBSTITUTED MWDBE Company Name, Address, Phone, Email	MWDBE Formally Contracted/ Name, Address, Phone, Email	Work to Be Performed	Reason for the Substitution	Total Dollar Value of the Work	% Value of Total Contract
1.					
2.					
3.					
4.					

The undersigned acknowledges that any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Company

Company Representative

Date

Title



MWDBE QUOTE SUMMARY FORM

Bid/RFP/Quote Reference # _____

The undersigned acknowledges that the minority and/or veteran subcontractors listed on this form did submit a quote to participate on this project. Failure to submit this form may cause rejection of the bid.

Company Name	Contact Person
Address/Phone/Email	Bid Package / Bid Date

MWDBE Company Address	Contact Person	Contact Information (work phone, Email, cell)	Date Contacted	Services to be performed	Method of Communication (email, phone meeting, ad, event etc)	Total dollars \$\$ Do Not Leave Blank (Attach Documentation)	MBE * AA HA AS NA Female	Veteran

(MBE designation / AA=African American / HA= Hispanic American/AS = Asian American/Pacific Islander/ NA= Native American)

The undersigned acknowledges that all information is accurate. Any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Company

Company Representative

Date

Title



LFUCG SUBCONTRACTOR MONTHLY PAYMENT REPORT

The LFUCG has a 10% goal plan adopted by city council to increase the participation of minority and women owned businesses in the procurement process. The LFUCG also has a 3% goal plan adopted by cited council to increase the participation of veteran owned businesses in the procurement process. In order to measure that goal LFUCG will track spending with MWDBE and Veteran contractors on a monthly basis. By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentation may result in termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims. Please submit this form monthly to the Division of Central Purchasing/ 200 East Main Street / Room 338 / Lexington, KY 40507.

Bid/RFP/Quote # _____

Total Contract Amount Awarded to Prime Contractor for this Project _____

Project Name/ Contract #	Work Period/ From: _____ To: _____
Company Name:	Address:
Federal Tax ID:	Contact Person:

Subcontractor Vendor ID (name, address, phone, email)	Description of Work	Total Subcontract Amount	% of Total Contract Awarded to Prime for this Project	Total Amount Paid for this Period	Purchase Order number for subcontractor work (please attach PO)	Scheduled Project Start Date	Scheduled Project End Date

By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentations may result in the termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

Company

Company Representative

Date

Title

LFUCG STATEMENT OF GOOD FAITH EFFORTS

Bid/RFP/Quote # _____

By the signature below of an authorized company representative, we certify that we have utilized the following Good Faith Efforts to obtain the maximum participation by MWDBE and Veteran-Owned business enterprises on the project and can supply the appropriate documentation.

_____ Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.

_____ Included documentation of advertising in the above publications with the bidders good faith efforts package

_____ Attended LFUCG Central Purchasing Economic Inclusion Outreach event

_____ Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned Businesses of subcontracting opportunities

_____ Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses

_____ Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).

_____ Contacted organizations that work with MWDBE companies for assistance in finding certified MWDBE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.

_____ Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.

_____ Followed up initial solicitations by contacting MWDBEs and Veteran-Owned businesses to determine their level of interest.

_____ Provided the interested MWDBE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.

_____ Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items

into economically feasible units to facilitate MWDBE and Veteran participation, even when the prime contractor may otherwise perform these work items with its own workforce

_____ Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.

_____ Included documentation of quotations received from interested MWDBE firms and Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.

_____ Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.

_____ Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal

_____ Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

_____ Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE **and Veteran participation.**

NOTE: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to approval by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.

The undersigned acknowledges that all information is accurate. Any misrepresentations may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Company

Company Representative

Date

Title

GENERAL PROVISIONS

1. Each Respondent shall comply with all Federal, State & Local regulations concerning this type of service or good.

The Respondent agrees to comply with all statutes, rules, and regulations governing safe and healthful working conditions, including the Occupational Health and Safety Act of 1970, *29 U.S.C. 650 et. seq.*, as amended, and KRS Chapter 338. The Respondent also agrees to notify the LFUCG in writing immediately upon detection of any unsafe and/or unhealthful working conditions at the job site. The Respondent agrees to indemnify, defend and hold the LFUCG harmless from all penalties, fines or other expenses arising out of the alleged violation of said laws.

2. Failure to submit ALL forms and information required in this RFP may be grounds for disqualification.
3. Addenda: All addenda and IonWave Q&A, if any, shall be considered in making the proposal, and such addenda shall be made a part of this RFP. Before submitting a proposal, it is incumbent upon each proposer to be informed as to whether any addenda have been issued, and the failure to cover in the bid any such addenda may result in disqualification of that proposal.
4. Proposal Reservations: LFUCG reserves the right to reject any or all proposals, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by a Respondent in the preparation of proposals.
6. Changes/Alterations: Respondent may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the proposal, and received by LFUCG prior to the scheduled closing time for receipt of proposals, will be accepted. The proposal, when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of proposal".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from a Respondent.
8. Bribery Clause: By his/her signature on the bid, Respondent certifies that no employee of his/hers, any affiliate or Subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.

9. Additional Information: While not necessary, the Respondent may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the Respondent's response. Additional documentation shall not serve as a substitute for other documentation which is required by this RFP to be submitted with the proposal,
10. Ambiguity, Conflict or other Errors in RFP: If a Respondent discovers any ambiguity, conflict, discrepancy, omission or other error in the RFP, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. Agreement to Bid Terms: In submitting this proposal, the Respondent agrees that it has carefully examined the specifications and all provisions relating to the work to be done attached hereto and made part of this proposal. By acceptance of a Contract under this RFP, proposer states that it understands the meaning, intent and requirements of the RFP and agrees to the same. The successful Respondent shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to Respondent shall be authorized for services or expenses reasonably covered under these provisions that the proposer omits from its Proposal.
12. Cancellation: If the services to be performed hereunder by the Respondent are not performed in an acceptable manner to the LFUCG, the LFUCG may cancel this contract for cause by providing written notice to the proposer, giving at least thirty (30) days notice of the proposed cancellation and the reasons for same. During that time period, the proposer may seek to bring the performance of services hereunder to a level that is acceptable to the LFUCG, and the LFUCG may rescind the cancellation if such action is in its best interest.

A. Termination for Cause

- (1) LFUCG may terminate a contract because of the contractor's failure to perform its contractual duties
- (2) If a contractor is determined to be in default, LFUCG shall notify the contractor of the determination in writing, and may include a specified date by which the contractor shall cure the identified deficiencies. LFUCG may proceed with termination if the contractor fails to cure the deficiencies within the specified time.
- (3) A default in performance by a contractor for which a contract may be terminated shall include, but shall not necessarily be limited to:
 - (a) Failure to perform the contract according to its terms, conditions and specifications;
 - (b) Failure to make delivery within the time specified or according

- to a delivery schedule fixed by the contract;
- (c) Late payment or nonpayment of bills for labor, materials, supplies, or equipment furnished in connection with a contract for construction services as evidenced by mechanics' liens filed pursuant to the provisions of KRS Chapter 376, or letters of indebtedness received from creditors by the purchasing agency;
- (d) Failure to diligently advance the work under a contract for construction services;
- (e) The filing of a bankruptcy petition by or against the contractor; or
- (f) Actions that endanger the health, safety or welfare of the LFUCG or its citizens.

B. At Will Termination

Notwithstanding the above provisions, the LFUCG may terminate this contract at will in accordance with the law upon providing thirty (30) days written notice of that intent, Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. **Assignment of Contract:** The contractor shall not assign or subcontract any portion of the Contract without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. **No Waiver:** No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this Contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
15. **Authority to do Business:** The Respondent must be a duly organized and authorized to do business under the laws of Kentucky. Respondent must be in good standing and have full legal capacity to provide the services specified under this Contract. The Respondent must have all necessary right and lawful authority to enter into this Contract for the full term hereof and that proper corporate or other action has been duly taken authorizing the Respondent to enter into this Contract. The Respondent will provide LFUCG with a copy of a corporate resolution authorizing this action and a letter from an attorney confirming that the proposer is authorized to do business in the State of Kentucky if requested. All proposals must

be signed by a duly authorized officer, agent or employee of the Respondent.

16. **Governing Law:** This Contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this Contract, the Parties agree that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division. All parties expressly consent to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to this Contract or any rights or obligations arising thereunder. Service of process may be accomplished by following the procedures prescribed by law.
17. **Ability to Meet Obligations:** Respondent affirmatively states that there are no actions, suits or proceedings of any kind pending against Respondent or, to the knowledge of the Respondent, threatened against the Respondent before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of Respondent to perform its obligations under this Contract, or which question the legality, validity or enforceability hereof or thereof.
18. Contractor understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Contractor is an independent contractor at all times during the performance of the services specified.
19. If any term or provision of this Contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.
20. Contractor [or Vendor or Vendor's Employees] will not appropriate or make use of the Lexington-Fayette Urban County Government (LFUCG) name or any of its trade or service marks or property (including but not limited to any logo or seal), in any promotion, endorsement, advertisement, testimonial or similar use without the prior written consent of the government. If such consent is granted LFUCG reserves the unilateral right, in its sole discretion, to immediately terminate and revoke such use for any reason whatsoever. Contractor agrees that it shall cease and desist from any unauthorized use immediately upon being notified by LFUCG.

Signature

Date

**RISK MANAGEMENT PROVISIONS
INSURANCE AND INDEMNIFICATION**

INDEMNIFICATION AND HOLD HARMLESS PROVISION

- (1) It is understood and agreed by the parties that Contractor hereby assumes the entire responsibility and liability for any and all damages to persons or property caused by or resulting from or arising out of any act or omission on the part of Contractor or its employees, agents, servants, owners, principals, licensees, assigns or subcontractors of any tier (hereinafter "CONTRACTOR") under or in connection with this agreement and/or the provision of goods or services and the performance or failure to perform any work required thereby.
- (2) CONTRACTOR shall indemnify, save, hold harmless and defend the Lexington-Fayette Urban County Government and its elected and appointed officials, employees, agents, volunteers, and successors in interest (hereinafter "LFUCG") from and against all liability, damages, and losses, including but not limited to, demands, claims, obligations, causes of action, judgments, penalties, fines, liens, costs, expenses, interest, defense costs and reasonable attorney's fees that are in any way incidental to or connected with, or that arise or are alleged to have arisen, directly or indirectly, from or by CONTRACTOR's performance or breach of the agreement and/or the provision of goods or services provided that: (a) it is attributable to personal injury, bodily injury, sickness, or death, or to injury to or destruction of property (including the loss of use resulting therefrom), or to or from the negligent acts, errors or omissions or willful misconduct of the CONTRACTOR; and (b) not caused solely by the active negligence or willful misconduct of LFUCG.
- (3) In the event LFUCG is alleged to be liable based upon the above, CONTRACTOR shall defend such allegations and shall bear all costs, fees and expenses of such defense, including but not limited to, all reasonable attorneys' fees and expenses, court costs, and expert witness fees and expenses, using attorneys approved in writing by LFUCG, which approval shall not be unreasonably withheld.
- (4) These provisions shall in no way be limited by any financial responsibility or insurance requirements, and shall survive the termination of this agreement.
- (5) LFUCG is a political subdivision of the Commonwealth of Kentucky. CONTRACTOR acknowledges and agrees that LFUCG is unable to provide indemnity or otherwise save, hold harmless, or defend the CONTRACTOR in any manner.
- (6) Notwithstanding, the foregoing with respect to any professional services performed by CONTRACTOR hereunder (and to the fullest extent permitted by law), CONTRACTOR shall indemnify, save, hold harmless and defend LFUCG from and against any and all liability, damages and losses, including but not limited to, demands, claims, obligations, causes of action, judgments, penalties, fines, liens, costs, expenses, interest, defense costs and reasonable attorney's fees, for any damage due to death or injury to any person or injury to any property (including the loss of use resulting therefrom) to the extent arising out of, pertaining to or relating to the negligence, recklessness or willful misconduct of CONTRACTOR in the performance of this agreement.

FINANCIAL RESPONSIBILITY

BIDDER/CONTRACTOR understands and agrees that it shall demonstrate the ability to assure compliance with the above Indemnity provisions and these other risk management provisions prior to final acceptance of its bid and the commencement of any work or provision of goods.

INSURANCE REQUIREMENTS

YOUR ATTENTION IS DIRECTED TO THE INSURANCE REQUIREMENTS BELOW, AND YOU MAY NEED TO CONFER WITH YOUR INSURANCE AGENTS, BROKERS, OR CARRIERS TO DETERMINE IN ADVANCE OF SUBMISSION OF A RESPONSE THE AVAILABILITY OF THE INSURANCE COVERAGES AND ENDORSEMENTS REQUIRED HEREIN. IF YOU FAIL TO COMPLY WITH THE INSURANCE REQUIREMENTS BELOW, YOU MAY BE DISQUALIFIED FROM AWARD OF THE CONTRACT.

Required Insurance Coverage

BIDDER/CONTRACTOR shall procure and maintain for the duration of this contract the following or equivalent insurance policies at no less than the limits shown below and cause its subcontractors to maintain similar insurance with limits acceptable to LFUCG in order to protect LFUCG against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by CONTRACTOR. The cost of such insurance shall be included in any bid:

<u>Coverage</u>	<u>Limits</u>
General Liability (Insurance Services Office Form CG 00 01)	\$1 million per occurrence, \$2 million aggregate or \$2 million combined single limit
Auto Liability	\$1 million per occurrence
Worker's Compensation	Statutory
Employer's Liability	\$100,000
Professional (E&O Liability)	\$1 million per claim
Excess/Umbrella Liability	\$1 million per occurrence

The policies above shall contain the following conditions:

- a. All Certificates of Insurance forms used by the insurance carrier shall be properly filed and approved by the Department of Insurance for the Commonwealth of Kentucky (DOI). LFUCG shall be named as an additional insured in the General Liability Policy and Commercial Automobile Liability Policy using the Kentucky DOI approved forms.
- b. The General Liability Policy shall be primary to any insurance or self-insurance retained by LFUCG.
- c. LFUCG shall be provided at least 30 days advance written notice via certified mail, return receipt requested, in the event any of the required policies are canceled or non-renewed.
- d. Said coverage shall be written by insurers acceptable to LFUCG and shall be in a form acceptable to LFUCG. Insurance placed with insurers with a rating classification of no less than Excellent (A or A-) and a financial size category of no less than VIII, as defined by the most current Best's Key Rating Guide shall be deemed automatically acceptable.

Renewals

After insurance has been approved by LFUCG, evidence of renewal of an expiring policy must be submitted to LFUCG, and may be submitted on a manually signed renewal endorsement form. If the policy or carrier has changed, however, new evidence of coverage must be submitted in accordance with these Insurance Requirements.

Deductibles and Self-Insured Programs

IF YOU INTEND TO SUBMIT A SELF-INSURANCE PLAN IT MUST BE FORWARDED TO LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT, DIVISION OF RISK MANAGEMENT, 200 EAST MAIN STREET, LEXINGTON, KENTUCKY 40507 NO LATER THAN A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO THE RESPONSE DATE. Self-insurance programs, deductibles, and self-insured retentions in insurance policies are subject to separate approval by Lexington-Fayette Urban County Government's Division of Risk Management, upon review of evidence of BIDDER/CONTRACTOR's financial capacity to respond to claims. Any such programs or retentions must provide LFUCG with at least the same protection from liability and defense of suits as would be afforded by first-dollar insurance coverage

Safety and Loss Control

CONTRACTOR shall comply with all applicable federal, state, and local safety standards related to the performance of its works or services under this Agreement and take necessary action to protect the life, health and safety and property of all of its personnel on the job site, the public, and LFUCG.

Verification of Coverage

BIDDER/CONTRACTOR agrees to furnish LFUCG with all applicable Certificates of Insurance signed by a person authorized by the insurer to bind coverage on its behalf prior to final award, and if requested, shall provide LFUCG copies of all insurance policies, including all endorsements.

Right to Review, Audit and Inspect

CONTRACTOR understands and agrees that LFUCG may review, audit and inspect any and all of its records and operations to insure compliance with these Insurance Requirements.

DEFAULT

BIDDER/CONTRACTOR understands and agrees that the failure to comply with any of these insurance, safety, or loss control provisions shall constitute default and that LFUCG may elect at its option any single remedy or penalty or any combination of remedies and penalties, as available, including but not limited to purchasing insurance and charging BIDDER/CONTRACTOR for any such insurance premiums purchased, or suspending or terminating the work.



LEXINGTON

REQUEST FOR PROPOSALS

FOR:

Lexington Police Department

West Roll Call

Building Envelope & HVAC Improvements

RFP # 27-2023

Department of General Services

Division of Facilities & Fleet Management

Project Management Group

May 2023

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INTRODUCTION

The Lexington-Fayette Urban County Government (LFUCG) is seeking proposals from consultants who are expertly qualified in the performance of professional design services relating to building envelope improvements, renovations, HVAC, and associated structural & MEP.

The purpose of these services is to assess the current conditions, review existing drawings, previous feasibility study, preliminary drawings & specifications (not for construction), and to perform full design services for building envelope improvements and HVAC work for the Lexington Police Department – West Roll Call Building. Renovations shall address the entire building envelope and related HVAC work inclusive of, but not limited to exterior walls, openings, roof, make-up air unit, water source heat pumps, roof drains, exterior lighting, etc.

The new roof shall consider a future solar project which is not part of the current scope of work. However, solar readiness pertaining to roof materials/ warranty, structural analyses of the existing roof structure pertaining to ballasted solar racking systems, roof details for capped conduit with clear path to future solar equipment, and other related solar ready items shall be part of the current scope for professional design services.

A preliminary set of reference drawings/ specifications (Attachments 'F&G') are included as part of this RFP to outline the overall scope and intent of the project. These documents (Attachments 'F&G') are not a complete set of documents and are not intended to be used for construction documents. LFUCG assumes no liability for use of these documents. The successful design consultant shall be responsible for complete and full professional design services for all phases of design. Any drawings and specifications used for reference by the successful consultant shall be at the consultant's own risk. Consultants are not bound by or required to duplicate the design shown in the reference documents or renderings, but shall coordinate with the Owner throughout each design phase regarding project intent. The reference documents alone do not show the full project scope or intent as they are only one part of the entire Request for Proposals.

The **Lexington Police Department – West Roll Call** is located at **1795 Old Frankfort Pike**.

The Project shall consist of Two Stages:

- Stage 1: Design Stage
- Stage 2: Construction Administration Stage

PROJECT NARRATIVE

The Lexington Police Department – West Roll Call was built between 1991 – 1992, and has three floor levels (5,700 SF each) for a total of 17,100 SF. The lower level is constructed with 12" reinforced concrete walls with an Exterior Insulation and Finish System (EIFS) above grade. The exterior walls transition from the reinforced concrete structure to a steel frame structure with metal stud infill at the first floor level, and continues up to the roof structure. The grade around the building varies as the lower level is partially underground along the north, east, and west facades. The majority of the openings are aluminum windows and storefront, along with a few hollow metal doors. The roof consists of a modified bitumen system on a metal deck with limited interruptions pertaining to equipment, penetrations, and level changes.

Many of the building envelope elements have reached the end of their lifecycle. Moisture and water infiltration has been an ongoing issue. There have been several roof leaks, signs of roof ponding, and soft saturated roof insulation in some areas. The EIFS system appears to be a face-sealed assembly and shows signs of cracking and deterioration allowing moisture into the wall cavity. Due to excessive moisture and deterioration, the polystyrene has separated from the gypsum sheathing and shows excessive bulging in various locations. There is also evidence of moisture damage at the gypsum sheathing and speculation that

the existing R-19 batt insulation could also be wet and compromised in some locations. Cracking above the top ledge of the blue EIFS accent bands have also been a point of moisture infiltration along with improper flashing at several locations. The transition of the EIFS system to grade is another detailing issue that has accelerated deterioration and moisture infiltration in multiple areas. The condition of the waterproofing below grade is currently unknown. Identified leaks and moisture issues have been patched and sealed as a temporary measure, but the need for a new holistic building envelope is needed. Due

A feasibility study for envelope improvements pertaining to the Police - West Roll Call, and the Police Training Center (Attachment 'D') was completed in 2018. Although the Police Training Center will not be included in the scope of services requested within this RFP, the feasibility report identifies several areas of concern for the West Roll Call building and includes recommendations for a new building envelope system. As part of the schematic design phase, the consultant will be responsible for reviewing the feasibility study, evaluating the current condition of the building, and making independent recommendations for a new building envelope that will address all exterior walls, openings, roofs, and covered entrances. In addition to reviewing the feasibility study, consultants shall review preliminary drawings and specification intended to show the general intent of the scope of work. As previously stated, the reference drawings are not a complete set of drawings and are not intended to be construction documents. In addition to the envelope improvements, the project shall include HVAC work such as a MAU replacement, and the replacement of several water source heat pumps. A solar ready roof for a future solar project shall also be included in this scope of work. The consultant shall be responsible for coordination with the LFUCG project manager and facilities crew for the full extent of the project scope. All recommendations shall include comparisons of probable costs, product lifecycle, and maintenance requirements. The project may also require phased construction, and portions of the work to be separated as alternates for bidding.

SCOPE OF BASIC SERVICES

General Requirements:

- a. **Council Presentations** - The Consultant must be available for Council Work Sessions and/or Council Meetings to make presentations, answer design questions, and provide change order information as necessary.
- b. **Design Schedule** - See Project Schedule, Attachment 'C'. The Consultant shall review the design schedule and submit a strategy of reaching milestone dates. Any proposed deviations to the attached schedule should be identified in the proposal.
- c. **Deliverables** - All design submittals shall consist of (2) hard copies and (1) digital PDF copy at 98% submissions, and (3) hard copies and (1) digital PDF at the Final Submission of each Phase. Typical drawing sheet size to be 24" x 36" unless approved otherwise. Specifications, reports, and other supplemental documents shall be on 8-1/2" x 11" sheets unless approved otherwise. Supplemental drawings, revisions, and clarifications may be on 8-1/2" x 11" sheets, or 11" x 17" sheets. All other sheet sizes to be approved by LFUCG Project Manager. LFUCG Project Manager may request half size sets of drawings as a portion of the required amount of hard copy sets per each submission.
- d. **Owner Review Meetings/Presentation** - The Consultant shall be responsible for attending review meetings/presentations at the end of each design phase, and as otherwise noted in the RFP. Refer to design schedule (Attachment 'C').
- e. **Value Engineering** - shall be performed at the end of each design phase as necessary to meet the project budget.
- f. **Authorization to Proceed** - Where multiple phases of work are outlined, the Consultant shall not proceed with the next phase or task of work until cost and timeline estimates are aligned with the Owner's budget and schedule. Authorization to commence with the next phase of work will be issued by letter from the Owner (LFUCG) after approval of previous design documents. Any work performed by the Consultant without this written authorization will be at the Consultant's risk and will be a voluntary contribution to the project.

STAGE 1: Design Stage

The design stage of the project shall include all phases of design as outlined below. The consultant shall collect all necessary information, provide updates to the LFUCG Project Manager, acquire continual input from the Owner, evaluate and implement Owner's comments, advocate for the Owner, maintain documentation of the design process, and provide all deliverables as outlined by the RFP per the design schedule. Minimum requirements for each design phase are listed below. However, it is the Consultant's responsibility to communicate the design intent and full scope of work. Content established in the minimum requirements may be shown or indicated where the content is best communicated. The consultant shall be responsible for determining additional content as necessary to complete the full design intent based on the Owner's Project Requirements. The scope of this project shall include design services for a new holistic building envelope including but not limited to the roof, building exterior, exterior openings, HVAC work, MAU replacement, multiple water source heat pump replacement, exterior lighting, and other associated MEP and structural improvements. Additional items will miscellaneous interior patch and repair work at exterior walls subject to moisture damage, paint and repair of exterior guard and handrails, and other secondary items associated with the building envelope. The consultant shall seek ongoing and continual input from the Owner throughout each phase of the project.

Phase 1: Schematic Design - Schematic Design Documents shall consist of drawings and other documents necessary to convey the overall intent. Preliminary selections of major building systems and construction materials shall be noted on the drawings or described in writing in a schematic design narrative. Schematic Design services shall include review of existing feasibility study (Attachment D), existing drawings (Attachment E), reference drawings/ specifications (Attachments 'F&G') and field verification of the current building conditions. Proposed building systems shall be evaluated on probable costs, product lifecycle, and maintenance requirements. Major building systems such as the exterior wall system and roof system shall be narrowed down to no more than three options by the Schematic Design Submission. Multiple options are not required for the Schematic Design Submission, and may be eliminated prior to the submission through coordination with the LFUCG Project Manager. The overall approach and aesthetic of the building envelope improvements shall be communicated within the Schematic Design Submission. Continual input from the Owner shall be actively sought throughout the schematic design process. At the completion of the Schematic Design Phase the general design intent of the project shall be expressed and evident. See below for minimum Schematic Design Submission Requirements:

Schematic Design Narrative & Documentation

Written documentation and justification of proposed major building systems. Identify each major building system such as exterior wall system, roof system, window system, HVAC system, exterior lighting systems, etc. Provide probable costs, product lifecycle, and maintenance requirements of each system. Provide a written recommendation for the systems to be used. Provide written justification if recommendation is different from the recommendation outlined in the reference drawings / specifications (Attachment 'F&G').

Preliminary Estimate of Probable Construction Cost.

The Probable Construction Cost shall be itemized with unit cost. If the consultants Preliminary Estimate of Probable Construction Cost is over an Owner provided construction budget, the consultant must include value engineering options, and written recommendations of how to reduce the cost to meet the provided budget.

Schematic Design Drawings (include at a minimum):

- **Cover Sheet:** Project name, project address, date of submission, drawing index with sheet names and numbers listing all drawings included within the submission, list of

abbreviations and project specific notes, vicinity map of general project location with north arrow, breakdown of building square footage by floor with total, use & occupancy classification, construction classification, phase of submission, and owner name & contact information.

- **Floor Plans:** Existing floor plans for each floor showing room names, plumbing fixtures, doors, windows, etc. Include overall dimensions, and elevation call outs. Tag and number exterior windows and doors.
- **Overall Roof Plan:** Show slops, drains, existing roof top equipment, and penetrations. Identify propose new roof system.
- **Elevations:** All major exterior elevation drawings sufficient to describe the general layout and character of proposed new building envelope improvements. All major construction materials and/or components shall be identified on drawings. Include both existing elevations, and elevations showing proposed new construction.

3D Images:

For deviations from the preliminary rendering (Attachment 'H'), provide basic 3D images of all 4 major elevations to show where deviations occur and the proposed new building envelope. 3D Images may be sketched by hand, exported images from sketch-up, rendered images from a Revit, or other prefer program. The intent of the 3D images are to provide a general aesthetic understanding of the proposed building envelope system.

Schematic Design Deliverables:

- I. Two full hardcopy sets, and one digital set of submission items are due at the 98% submission as indicated on the design schedule (Attachment 'C') unless approved otherwise. Consultants are required to present the submission in person at an Owner's review meeting, and keep a record of the meeting minutes along with all Owner comments and action items. The consultant shall distribute the meeting minutes within (3) business days of the Owner review meeting. LFUCG Project Manager will review the submission, and will send in writing, additional review items and comments within (5) business days. The consultant shall incorporate all applicable review comments, and submit three full hard copy sets and one digital set of all submission items for the final schematic design submission.

Phase 2: Design Development

The Design Development Documents shall illustrate & describe the development of the approved Schematic Design Documents. Design Development Documents shall consist of documents including plans, sections, elevations, and typical details that effectively communicate the overall scope of work, layout, dimensions, quantities, and specific building systems. The Design Development Documents shall include outline specifications that identify major materials and systems, and establish in general their quality levels. At the completion of the Design Development Phase the design intent of the project shall be evident, and all major building systems shall be expressed in a clear graphical and/or written manner. The design approach and aesthetic of the building envelope improvements shall be fully communicated within the Design Development Submission. Ongoing and continual input from the Owner shall be actively sought throughout the Design Development process. At the completion of the Design Development Phase the specific design intent of the project shall be expressed and evident. See below for minimum Design Development Submission Requirements:

□ **Independent Third Party Estimate of Construction Cost:** The consultant shall engage with a third party estimator for a full Itemized Construction Cost Estimate including unit costs and quantities per division of work. If the Construction Cost Estimate is over the Owner provided construction budget/ approved construction cost from a previous phase, the consultant shall work with the third party estimator to include value engineering options to meet the Owner's Budget. The consultant shall provide a written evaluation of value engineering options with a recommendation of how to reduce the cost to meet the provided budget.

□ **Outline Specification**

Outline specifications to include all major building, and/or project components & systems per division of work specific to the project. Identifies the major materials & systems, and establishes in general their quality levels. Basis of design for major materials, components, and systems to be identified, and coordinated with the Owner. Include a full table of contents.

□ **Design Development Drawings (include at a minimum):**

- **Cover Sheet:** Project name, project address, date of submission, drawing index with sheet names and numbers listing all drawings included within the submission, list of abbreviations and project specific notes, vicinity map of general project location with north arrow, breakdown of building square footage by floor with total, use & occupancy classification, construction classification, phase of submission, and owner name & contact information.
- **Floor Plans:** Include floor plans for each floor showing room names, plumbing fixtures, doors, windows, etc. Include dimensions of exterior walls and openings. Show all call outs for elevations, sections, and details. Tag and number exterior windows and doors. Include plans for both required demolition, and new construction. Include plans for structural and MEP as necessary per the project scope.
- **Overall Roof Plans:** Show slopes, drains, existing roof top equipment, and penetrations. Identify roof system and show all major roof modifications. Identify areas they may require tapered insulation, or flashing modifications. Show extents of new coping/ fascia. Include plans for both required demolition, and new construction. Include plans for structural and MEP as necessary per the project scope.
- **Elevations:** All exterior elevation drawings sufficient to describe the layout and character of proposed new building envelope improvements. All major construction materials and/or components shall be identified on drawings. Include elevations for both required demolition, and new construction.

□ **3D Images:**

For deviations from the preliminary rendering (Attachment 'H'), provide color 3D images of all 4 major elevations to show where deviations occur and the proposed new building envelope. 3D Images may be sketched by hand, exported images from sketch-up, rendered images from a Revit, or other prefer program. The intent of the 3D images is to provide an aesthetic understanding of the proposed building envelope. Material types, configurations, and overall aesthetic shall be clear and evident.

Design Development Deliverables:

- I. Two full hardcopy sets, and one digital set of submission items are due at the 98% submission as indicated on the design schedule (Attachment 'C') unless approved otherwise. Consultants are

required to present the submission in person at an Owner's review meeting, and keep a record of the meeting minutes along with all Owner comments and action items. The consultant shall distribute the meeting minutes within (3) business days of the Owner review meeting. LFUCG Project Manager will review the submission, and will send in writing, additional review items and comments within (5) business days. The consultant shall incorporate all applicable review comments, and submit three full hard copy sets and one digital set of all submission items for the final design development submission.

Phase 3: Construction Documents

The Construction Documents shall illustrate & describe the further development of the approved Design Development Documents. Construction Documents shall consist of documents including fully noted drawings and specifications that effectively communicate the entire design intent and full scope of work including all approved alternates. Drawings and specification shall be coordinated by the design consultant for quality and completeness. Continual input from the Owner shall be actively sought throughout the Construction Document process. The consultant shall coordinate with LFUCG Project Manager and LFUCG Division of Central Purchasing. LFUCG Front End Documents, Parts I through VIII will be completed by Central Purchasing with assistance from the design consultant, and inserted into the Project Manual. Parts I through VIII include: I- Advertisement for Bids, II- Information for Bidders, III- Form of Proposal, IV- General Conditions, V- Special Conditions, VI- Contract Agreement, VII- Performance and Payment Bonds, VIII- Addenda. Consultants shall review Parts I – VII, assist with project specific information, and complete the rest of the Project Manual including cover sheet, indexes, technical specifications, etc. The completed construction documents shall convey the entire scope of work in a level of detail for quality construction of the full project scope that meets all applicable codes, regulations, and requirements. See below for minimum Construction Documents Submission Requirements:

- Independent Third Party Estimate of Construction Cost:** The consultant shall engage with a third party estimator for a full Itemized Construction Cost Estimate including unit costs and quantities per division of work. If the Construction Cost Estimate is over the Owner provided construction budget/ approved construction cost from a previous phase, the consultant shall work with the third party estimator to include value engineering options to meet the Owner's Budget. The consultant shall provide a written evaluation of value engineering options with a recommendation of how to reduce the cost to meet the provided budget.

- Project Manual**

Specifications shall include all major building, and/or project components & systems per division of work specific to the project. Consultant shall provide all necessary Divisions (Divisions 01 through 33). Division 01 – General Requirements shall be coordinated with LFUCG General Conditions, and with the LFUCG Project Manager. Consultants shall coordinate basis of design, equal manufacturers, warranties, and applicable sample/ mock-up submittal requirements with LFUCG Project Manager for all major building systems. Consultants shall be responsible for the complete Project Manual, and shall include a full table of contents. LFUCG's Central Purchasing will provide LFUCG Front End Documents to be inserted into the Project Manual before advertising for bids. The Consultant shall coordinate and assist as necessary with Central Purchasing on all LFUCG Front End Documents pertaining to project specific information. Project Manual Cover Sheet shall include at a minimum: LFUCG Logo, Phase, Owner (LFUCG) Information, Project Name, Project Address, Date, and Bid Number.

□ **Construction Document Drawings** (include at a minimum):

- **Cover Sheet:** Project name, project address, date of submission, drawing index with sheet names and numbers listing all drawings included within the submission, list of abbreviations and project specific notes, vicinity map of general project location with north arrow, breakdown of building square footage by floor with total, use & occupancy classification, construction classification, phase of submission, and owner name & contact information.
- **Structural:** Structural comments sheet with all code and design basis noting all design parameters, abbreviations, legends, etc. Dimensioned structural items, layouts and details. Structural components to include sizes/ weights. Note all openings, jointing, and edge conditions as necessary. Include bearing height of structural elements. Provide sections and details to show all typical and unique conditions. Complete all schedules and details to convey full scope of work. Include key plan, tags, call outs, coordination with all other sheets, etc.
- **Architectural Floor Plans:** Include floor plans for each floor showing room names, plumbing fixtures, doors, windows, etc. Include dimensions of exterior walls and openings. Show all call outs for elevations, sections, and details. Tag and number exterior windows and doors. Coordinate door and window tags with schedules and details. Include plans for both required demolition, and new construction.
- **Roof Plans:** Show all slopes, drains, parapets, roof top equipment, hatches, roof penetrations, tapered insulation, walk-off mats, flashing, coping, and fascia. Identify, tag, and fully note all roof items and systems. Provide dimensions, call outs, tags, and section cuts. Show all roof modifications, and indicate new construction form existing where applicable. Coordinate roof plan with all roof details. Include plans for both required demolition, and new construction.
- **Elevations:** Provide all exterior elevations in an orthogonal view. Identify and fully note all materials and components including but not limited to joints, downspouts, trims, accents, surface mounted exterior lighting, etc. Show joint patterns for panels, indicate bond pattern for masonry, show trims at edges and corners. Coordinate with M.E.P. and show exterior HVAC, plumbing, and electrical equipment which may impact exterior building aesthetics. Show tags, callouts, and dimensions. Tag all openings (windows, doors, louvers, etc.). Show grade level, and dash in walls and spaces below grade. Show stairs and rails next to the building that may impact the building aesthetics, require material transitions, or that may lead to future maintenance issues. Include elevations for both required demolition, and new construction.
- **Sections:** Provide building sections as necessary to convey building envelope material transitions, call outs for wall sections, elevation benchmarks, grade levels/changes, etc. Provide full wall sections for each dissimilar location showing components of all new and modified construction. Note each component, and provide callouts for details. Show dimensions of transitions, openings, and extent of materials. Indicate total wall thickness, and include R-Value of insulation on drawings and/or specifications. Include sections for both required demolition, and new construction as necessary.
- **Details:** Provide details as necessary for all new and modified construction. Provide roof details for flashing, coping, fascia, transitions, roof drains, roof penetrations, equipment curbs, roof hatch, parapets, etc. Provide head, jambs, and sill details for doors, windows, louvers, and other openings. Show covered entrance details, transition of material details, transition to grade details, flashing details, accent details, corner and edge details, etc. Include details for both required demolition, and new construction as necessary.

- **Schedules:** Provide schedules for doors, windows, and all other appropriate items.
- **MEP:** Plans showing demo and new items / equipment. Use standard symbols. Show all tie-ins. Include all types, locations, sizes, capacity, makes and models, etc. Consultant to advise Owner of equipment and components that affect the building's aesthetic, and/or is in direct view from an exterior pedestrian perspective. For areas of concentrated equipment, provide enlarged plans and section views. Include key plan, legends, tags, call outs, etc.

Construction Document Deliverables:

- I. Two full hardcopy sets, and one digital set of submission items are due at the 98% submission as indicated on the design schedule (Attachment 'C') unless approved otherwise. Consultants are required to present the submission in person at an Owner's review meeting, and keep a record of the meeting minutes along with all Owner comments and action items. The consultant shall distribute the meeting minutes within (3) business days of the Owner review meeting. LFUCG Project Manager will review the submission, and will send in writing, additional review items and comments within (5) business days.
- II. The consultant shall incorporate all applicable review comments, and coordinate with the LFUCG Project Manager & LFUCG Division of Central Purchasing for submission of Ready to Advertise (RTA) Construction Documents. Consultants shall submit three full hard copy sets and one digital set of all submission items for the Final Construction Document Submission.

Phase 4: Bid Phase

The Division of Central Purchasing will be responsible for advertising the bid documents. All questions, requests, and correspondence shall be directed to LFUCG Division of Central Purchasing during the Bid Phase. The consultant shall assist Purchasing with clarifications, questions form bidders, and addenda. The Consultant shall be responsible for attending the Pre-Bid Conference, and providing a verbal summary of the scope of work. The Pre-Bid Conference will be conducted by the Division of Central Purchasing. The Bid Opening will also be conducted through the Division of Central Purchasing. After the Bid Opening, the Consultant shall be responsible for reviewing all Bids, and providing a written recommendation to the LFUCG Project Manager.

Bid Phase Deliverables:

- I. One hardcopy and one digital written recommendation on company letterhead.

STAGE 2: Construction Administration Stage

The Construction Phase of the project shall start after the Bid Phase once the Owner has released the written Notice to Proceed (NTP) to the contractor. The Consultant shall forward all review items to the LFUCG Project Manager, and provide continuous updates and coordination. All written recommendations, and reports throughout the construction phase shall appear on the Consultant's company letterhead. All Owner approvals shall be made in writing.

Phase 1: Construction Administration Phase

Construction Administration shall be provided throughout the Construction Stage in which the consultant shall advocate for the Owner (LFUCG), administer the construction contract, maintain consistent and precise documentation, facilitate the project close out, and provide frequent updates to the LFUCG Project Manager. LFUCG Project Manager shall be included on all correspondence, meeting invites, and shall be

informed of all milestones, issues, delays, or contract deviations. Minimum Construction Administration services shall include the following:

Meetings (Pre-Construction & Progress Meetings):

Prepare agendas, lead meetings, and distribute meeting minutes. Progress meeting shall be scheduled bi-weekly (every two weeks).

Reviews:

Consultant shall review Construction Schedules, Schedule of Values (SOV), Submittals, Samples, Mock-ups, Contractor's Daily Logs, Payment Applications, Proposals, Change Order Documentation, RFIs, O&M Manuals, Close Out Documents, and all other correspondence. All Owner approvals shall be made in writing.

Logs:

Maintain Submittal Logs, RFI Log, ASI, Log, Proposal Log, Change Order Log, etc. At a minimum, all logs shall contain numbered items, item names, relevant dates, item summary, item action, and current status.

Correspondence/ Reports:

Consultants shall document and keep a record of all project correspondence. Clarifications to the construction documents initiated by the Contractor shall be through a Request for Information (RFI). Clarifications initiated by the consultant shall be through Architectural Supplemental Instructions (ASI). Clarifications made by RFI or ASI shall not change the contract time, or the contract amount. Field Observations shall be made at each Progress Meeting, and Field Observation Reports shall be provided with Progress Meeting Minutes. Work Changes Proposal Request (WCPR) will be used for proposal request with Owner Approval. Written Recommendations from the consultant shall be required for all proposed Change Orders. The consultant shall consistently update the Owner, and inform the Owner of any deviations from the construction documents, potential time delays, or construction issues.

Inspections:

Consultant shall inspect the full scope of work to determine Substantial Completion. The consultant shall conduct a second inspection of the full scope of work to determine Final Completion after all Punch List items have been corrected. Consultants shall provide both a Punch List, and a Back-Punch List containing completion dates for each punch-item. A Certificate of Substantial Completion shall be issued to both the Owner and Contractor.

Supplemental Drawings:

Supplemental drawings shall be required to clearly communicate the full scope of work when necessary, when not already shown in the construction documents, or when additional clarification is needed. Supplemental Drawings may be required for clarifications, RFI, ASI, WCPR, Change Orders, etc.

Record Drawings:

Consultant shall collect the Contractor's marked-up drawings (As Built Drawings), and digitally update the construction documents for Record Documents to be submitted to the Owner in both hardcopy and digital format.

Close Out:

Consultant shall generate a Project Close Out Checklist containing all close out items as listed in the Contract Documents. This Checklist shall include dates for the following items: Issue of Certificate of Substantial Completion, List of Completed Inspections, Completion of Punch List Items, Final Release of Liens, Consent of Surety, Completed O&M Manuals, Completed Record Drawings, Completion of Back-Punch List, Review of Final Payment Application, Verification of Stock Items Transferred to Owner, and Confirmation of all Deliverables completed and submitted to the Owner.

Construction Administration Deliverables:

- I. Consultant shall provide Progress Meeting Agenda, Submittal Log, RFI Log, ASI Log, Log of Proposals, and Change Order Log in digital format sent (1) day prior to each progress meeting, and shall provide hardcopy prints at each progress meeting for attendees at the meeting.
- II. Consultant shall submit (1) digital copy of Progress Meeting Minutes, and Field Observation Report within (5) business days after each Progress Meeting.
- III. Consultant shall submit (1) digital copy of Change Order Recommendation within (5) business days after receiving contractor's proposal and back-up documentation.
- IV. Consultant shall submit (3) hardcopies, and (1) digital copy of the Certificate of Substantial Completion.
- V. Consultant shall submit (1) digital copy of the Punch List within (5) business days after the walk-through to determine Substantial Completion.
- VI. Consultant shall submit (1) digital copy of the Back-Punch List within (5) business days after the walk-through to determine Final Completion.
- VII. Consultant shall submit the Contractor's Original "As Build" Drawings to the Owner, and the following digital copies of the Record Documents: PDF file of all Drawings, PDF File of the Project Manual, CAD files of all drawings, DOCX files of the Project Manual.
- VIII. Consultant shall submit (1) digital copy of the completed Project Close Out List within (5) days after Final Completion.

Phase 2: One Year Workmanship Warranty Period - Coordination Assistance

Warranty Coordination

Owner assistance, and coordination with the Contractor for correction of warranty items throughout the Contractor's One Year Workmanship Warranty Period.

11- Month Walk-Through

Consultant shall coordinate an 11-Month Walk-Through onsite with the Consultant, Owner, and Contractor. A list of warranty items to be corrected shall be submitted to all parties. The consultant shall follow-up with the completion of identified warranty items, and resubmit the list of warranty items to the Owner with completion dates.

One Year Workmanship Warranty Period Deliverables:

- I. Consultant shall submit (1) digital copy of the 11 Month Walk-Through List of Warranty Items within (5) business days of the 11 Month Walk Through.
- II. Consultant shall submit (1) digital copy of the 11 Month Walk-Through List of Warranty Items with dates of correction for each item.

SELECTION PROCESS

All responses to this RFP/Q meeting the submittal requirements will be evaluated by a review committee. Written proposals will be reviewed and ranked by the review committee and ranked in accordance with the rating criteria reflected in this RFP/Q.

All costs associated with the preparation and responses, including presentation materials for interviews and site visits, if conducted, related to this RFP/Q shall be borne solely by the consultant and at no cost to LFUCG.

SCORING CRITERIA

	Total Points
Professional qualifications and experience of the team with architectural and engineering services throughout the design and construction phases.	20
Demonstrated understanding of the project requirements. Including past experience with similar projects, building systems, and project approach.	25
Capacity of the team to perform the work within the time limitations. Illustrated by the current volume of work in progress.	15
Past record and performance on contracts with the LFUCG, other governmental agencies, and private industry with respect to such factors as cost control, quality of work, and ability to meet schedule requirements.	5
Degree of local employment to be provided by the person or firm in the performance of the contract by the person or firm.	5
Fees	30
Final Technical Score	100

COMPENSATION

Refer to the Sample Contract, **Attachment B**, for complete compensation description.

ATTACHMENT: A
FORM OF PROPOSAL

Design Services for the West Roll Call Building Envelope and HVAC Improvements
Request for Proposal # 27-2023
Form of Proposal

Consultant: _____

Address: _____

1. General:

- a. The undersigned Consultant, having read and examined the specifications and associated documents for the above designated work, affirms agreement to complete all work in accordance with the contract documents.
- b. The selected Successful Consultant (SC) shall verify all mentioned requirements in these contract documents. The SC shall confirm in writing any discrepancies found within one week of being informed of successful proposal.
- c. The undersigned agrees that this proposal constitutes a firm offer to the LFUCG which cannot be withdrawn for one hundred twenty (120) calendar days from and after the stated closing time, or until a contract is fully executed by the LFUCG and a third party, whichever occurs earlier.
- d. The Consultant shall include Technical Information as required herein.

2. Submittal Requirements: Interested firms are encouraged to submit their qualifications, which will include the information below. Failure to comply with this requirement may lead in disqualification of the Consultant's proposal:

- a. Signed cover letter stating interest in the project. The cover letter should indicate the proposer's willingness to enter into an agreement with the LFUCG (see Sample Contract **Attachment B**). An officer of the company who has authority to commit their firm to the proposed project must sign the letter.
- b. Additional company information to be provided shall include company history, key management members, major accomplishments, inter-company or third party alliances or partnerships, and any major pending litigation and facts of the case(s).
- c. Narrative on how customer satisfaction is tracked.
- d. Copies of written continuing education/professional training program and quality control/quality assurance program.
- e. Provide the current number of employees and employee types.
- f. Statement of general firm qualifications and capacity that should include firm location, where the work will be performed, and the firm's background and demonstrated ability to perform the required services for this project.
- g. Project Team list including sub consultants indicating key professionals that will be specifically assigned to work on each discipline and phase of the project. Identify project manager. Detailed resumes for the key professionals and project manager should be included with the proposal. Describe team members' educational background, related experience, experience in providing like services to governmental entities, and individual references within such entities. Describe how the team has worked together on similar projects in the past.
- h. Summary of firm's recent (5 year) experience in similar/representative projects including

- i. Physical project size
 - ii. Estimated and Actual Cost of the resulting construction and/or renovation work
 - iii. Identification of any involved sub-consultants and/or joint-venture partners
- i. Conflict of Interest Statement clearly stating the proposer has no conflicts of interest in providing professional services on the project.
 - j. A narrative of design approach, preliminary design concepts, approach to project inclusive of proposed work scope, and related considerations.
 - k. Ability to meet required deadlines (See Project Schedule **Attachment C**). Demonstrate integration of this project into the firm's present workload through current and projected staff workload data.
 - l. References: names and contact information of previous clients on similar projects within the past five (5) years with a description of the type of project completed on schedule and on budget. A minimum of three references is required.
3. **Proposal Format:** Proposals are limited to 20 single-sided pages not including the required LFUCG documents as outlined in the RFP. Proposals in excess of these requirements may not be considered. The twenty (20) page limitation includes any written, photographic or graphic material contained in the body of the statement and any appendices. The limitation does not include:
- i. The cover (although narrative on the reverse side of the front cover or front of the back cover will be counted)
 - ii. A title page
 - iii. A table of contents and/or index; or blank tab pages
4. Respondents are responsible for all costs associated with the preparation of materials in response to this RFP. The LFUCG assumes no responsibility for such costs. The LFUCG reserves the right to waive any formality in the submitted statements of qualifications, to reject any and all statements of qualifications or to re-advertise for additional statements of qualifications.
5. **Work Plan:** Consultant shall provide a plan to complete the work described herein in submitted proposal within the submittal limit. Included in work plan shall be:
- a. A checklist of what specific deliverables will be provided at each design phase and/or milestone and the team member that will provide the deliverable.
 - b. A specific budget and schedule (See Project Schedule **Attachment C**) to complete services described herein.
 - c. An explanation of the communication/documentation and collaboration plan.
 - d. An explanation of the approach that will be used to assure quality and well coordinated documents between all disciplines through the design process.
 - e. An explanation of the team Quality Control Program throughout all phases of design, and through construction administration.
6. **Lump Sum Pricing:**
- a. All Lump Sum Pricing shall include all direct labor and supervision necessary to complete the item in a manner that meets or exceeds the customer's satisfaction. It shall also include the labor payroll costs, overhead (such as unemployment taxes, general liability insurance, rent, utilities, phones, supplies, administrative salaries, F.I.C.A. sick and vacations, etc. disposal fees tool allowance, equipment, materials, profit and all other costs used on the job.)
 - b. Provide Firm Lump Sum Cost for providing the LFUCG with services as noted in these specifications.

Design Stage (Total Services Below)

Schematic Design Phase:
(percentage of total services)

\$ _____

\$ _____
_____ %

Design Development Phase:
(percentage of total services)

\$ _____
_____ %

Construction Documents Phase:
(percentage of total services)

\$ _____
_____ %

Bid Phase:
(percentage of total services)

\$ _____
_____ %

Construction Administration Stage

(percentage of total services)

\$ _____

_____ %

Total Architectural/ Engineering Services

\$ _____

7. **Payment for Additional Services:** Additional Services, as permitted under Section 2 of the Contract, shall be compensated at the unit rates listed below. The LFUCG reserves the right to increase or decrease frequencies of unit cost. If Additional Services are requested, the base contract may be increased or decreased on the basis of the unit rates. No price adjustments will be made unless mutually agreed to in advance through the Change Order process to the contract. All Unit Pricing Hourly Rates shall include all direct labor, any supervision required, labor payroll costs, overhead (such as unemployment taxes, general liability insurance, rent, utilities, phones, supplies, administrative salaries, F.I.C.A., sick and vacations, etc.) disposal fees, tool allowance, equipment, materials, profit, and all other costs used on the job.

Title/Skill Level

Hourly Rate

_____ \$/HR

_____ \$/HR

_____ \$/HR

_____ \$/HR

_____ \$/HR

_____ \$/HR

_____ \$/HR

- a. Additional Services may require procurement beyond the base contract. Procurement shall comply with the specifications set forth herein. The Consultant markup over the invoiced price shall be zero percent (0%).
- b. Approved reimbursables will be based on actual costs and shall be mutually agreed to in advance through the Change Order process to the contract.

Signature

Name

Title

Date

ATTACHMENT: B
CONSULTANT SERVICES AGREEMENT

THIS IS AN AGREEMENT made as of _____, 2023, between the LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT (**OWNER**) and _____ (**CONSULTANT**). **OWNER** intends to proceed with architectural/engineering design services as described in the attached Request for Proposal document. The services are to include the preparation of Schematic Design Documents through Construction Documents, Bidding, and Construction Administration for the construction of the **Police West Roll Call Building Envelope & HVAC Improvements** as contemplated in the **OWNER**'s Request for Proposal No. #27-2023. The services are hereinafter referred to as the Project.

OWNER and **CONSULTANT** in consideration of their mutual covenants herein agree in respect of the performance of professional architectural/engineering services by **CONSULTANT** and the payment for those services by **OWNER** as set forth below.

CONSULTANT was selected by **OWNER** based upon its response to the Request for Proposal No. 27-2023.

CONSULTANT shall provide professional consulting services for **OWNER** in all phases of the Project described herein, serve as **OWNER'S** professional architectural and engineering representative for the Project as set forth below and shall give professional consultation and advice to **OWNER** during the performance of services hereunder.

SECTION 1 - BASIC SERVICES OF CONSULTANT

CONSULTANT shall perform professional services as hereinafter stated, which include customary architectural and engineering incidental thereto.

The following documents are incorporated by reference herein as if fully stated and are attached hereto as exhibits: RFP No. 27-2023. (**Exhibit "A"**), and Consultant's Response dated June 06, 2023 (**Exhibit "B"**). To the extent there is conflict among their provisions, the provisions of this Agreement shall take precedence, followed by the provisions of Request for Proposal No. 27-2023. (**Exhibit "A"**).

After written authorization to proceed with the Evaluation and Recommendation Phase, **CONSULTANT** shall:

1. Notify the **OWNER** in writing of its authorized representative who shall act as Project Manager and liaison representative between the **CONSULTANT** and the **OWNER**.
2. On the basis of the "Selection Criteria" in the "Request for Proposal", attached in **Exhibit "A"**, conduct field surveys and gather other necessary data or information, prepare an evaluation and recommendation document consisting of design options and cost estimates as well as all required deliverables listed in the Request for Proposal. See **Exhibit "A"** for complete listing of all deliverables.

This Agreement (consisting of pages 1 to __ inclusive), together with the Exhibits and schedules identified above, constitutes the entire Agreement between **OWNER** and **CONSULTANT** and supersedes all prior written or oral understandings. This Agreement and said Exhibits and schedules may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

The General Condition provisions of RFP No. 27-2023 are incorporated herein by reference as if fully stated.

SECTION 2 - ADDITIONAL SERVICES BY CONSULTANT

- 2.1. The **OWNER** may desire to have the **CONSULTANT** perform work or render services in connection with this Project other than as provided by **Exhibit "A"** of this Agreement. Such work shall be considered as "Additional Services", subject to a change order, supplemental to this Agreement, setting forth the character and scope thereof and the compensation therefore. Work under such change order shall not proceed until the **OWNER** gives written authorization. Should the **OWNER** find it desirable to have previously satisfactorily completed and accepted plans or parts thereof revised, the **CONSULTANT** shall make such revisions as directed, in writing, by the **OWNER**. This work shall be considered as "Additional Services" and shall be paid as such.
- 2.2. All "Additional Services" are subject to prior written authorization of **OWNER** and necessary appropriations made by the Urban County Council.

SECTION 3 - OWNER'S RESPONSIBILITIES

OWNER shall:

- 3.1. Provide criteria and information as to **OWNER'S** requirements for the Project, including design objectives and constraints, space, capacity and performance requirements, flexibility and expandability, and any budgetary limitations.
- 3.2. Assist **CONSULTANT** by placing at its disposal available information pertinent to the Project.
- 3.3. Examine all studies, reports, sketches, drawings, specifications, proposals and other documents presented by **CONSULTANT**, and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of **CONSULTANT**.
- 3.4. Designate in writing a person to act as **OWNER'S** representative with respect to the services to be rendered under this Agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define **OWNER'S** policies and decisions with respect to materials, equipment, elements and systems pertinent to **CONSULTANT'S** services.

- 3.5. Give written notice to **CONSULTANT** whenever **OWNER** observes or otherwise becomes aware of any development that affects the scope or timing of **CONSULTANT'S** services, or any defect in the work of Contractor(s).
- 3.6. Furnish or direct **CONSULTANT** to provide necessary Additional Services as stipulated in Section Two (2) of this Agreement or other services as required.

SECTION 4 - PERIOD OF SERVICES

- 4.1. See **Exhibit "A"** for the project timeline/schedule.
- 4.2. The provisions of this Section Four (4) and the various rates of compensation for **CONSULTANT'S** services provided for elsewhere in this Agreement have been agreed to in anticipation of the orderly and continuous progress of the Project through completion.

If delays result by reason of acts of the **OWNER** or approving agencies or other causes, which are beyond the control of the **CONSULTANT**, an extension of time for such delay will be considered. If delays occur, the **CONSULTANT** shall within 14 days from the date of the delay apply in writing to the **OWNER** for an extension of time for such reasonable period as may be mutually agreed upon between the parties, and if approved, the Project schedule shall be revised to reflect the extension. Such extension of time to the completion date shall in no way be construed to operate as a waiver on the part of the **OWNER** of any of its rights in the Agreement. Section 6.5, under **DISPUTES**, of this Agreement, shall apply in the event the parties cannot mutually agree upon an extension of time.

In the event that the overall delay resulting from the above described causes is sufficient to prevent complete performance of the Agreement within two (2) months of the time specified therein, the Agreement fee or fees shall be subject to reconsideration and adjustment. Section 6.5 of this Agreement shall apply in the event the parties cannot mutually agree upon an adjustment of fee.

SECTION 5 - PAYMENTS TO CONSULTANT

5.1 Methods of Payment for Services of CONSULTANT

5.1.1 For Basic Services.

Lump Sum Pricing

In consideration of the architectural and engineering services described in this Loan Agreement and its exhibits, **OWNER** shall pay **CONSULTANT** the sum below stated, which sum shall include without limitation all direct labor and supervision necessary to complete the item in a manner that meets or exceeds the customer's satisfaction, labor payroll costs, overhead (such as unemployment taxes, general liability insurance, rent, utilities, phones, supplies, administrative salaries, F.I.C.A., sick and vacation leave, etc.), disposal fees, tool allowances, equipment fees, materials, profits, and all other costs used on, for, or in association with the job. The negotiated cost of services is represented in the Form of Proposal, and is summarized as follows:

<u>Design Stage (Total Services Below)</u>	\$ _____
Schematic Design Phase: (percentage of total services)	\$ _____ _____ %
Design Development Phase: (percentage of total services)	\$ _____ _____ %
Construction Documents Phase: (percentage of total services)	\$ _____ _____ %
Bid Phase: (percentage of total services)	\$ _____ _____ %
<u>Construction Administration Stage</u>	\$ _____
(percentage of total services)	_____ %
<u>Total Architectural/ Engineering Services</u>	\$ _____

5.1.2. For Additional Services

"Additional Services" shall be paid for by the **OWNER** on the basis of the unit pricing below. In the event the **OWNER** and the **CONSULTANT** are unable to agree upon payment for "Additional Services", the amount of such payment shall be determined as set forth in Section 6.5, "DISPUTES" of this Agreement.

Unit Pricing

If Additional Services are requested, the base contract may be increased and/or decreased on the basis of these proposed unit rates. No price adjustments will be made, unless mutually agreed to in advance through the Change Order process to the contract, or as a result of temporary conditions (defined as 30 days or less from the date of the last invoice).

All Unit Pricing Hourly Rates shall include without limitation all direct labor and supervision necessary to complete the item in a manner that meets or exceeds the customer’s satisfaction, labor payroll costs, overhead (such as unemployment taxes, general liability insurance, rent, utilities, phones, supplies, administrative salaries, F.I.C.A., sick and vacation leave, etc.), disposal fees, tool allowances, equipment fees, materials, profits, and all other costs used on, for, or in association with the job.

<u>Title/Skill Level</u>	<u>Hourly Rate</u>
<u>Principal Architect</u>	_____ \$/HR
<u>Project Architect</u>	_____ \$/HR
<u>Project Manager</u>	_____ \$/HR
<u>Project Associate</u>	_____ \$/HR
_____	_____ \$/HR
_____	_____ \$/HR

Additional Services may require procurement beyond the base contract. Procurement shall comply with the specifications set forth herein. The **CONSULTANT** markup over the invoiced price shall be 0 %

5.2. Times of Payment.

5.2.1. For any month in which the **CONSULTANT** provides services in connection with this Agreement, the **CONSULTANT** shall submit to the **OWNER** a written statement reasonably identifying the percentage of each task, listed in Section 5.1.1., above, as may be amended by the parties from time to time, that has been completed to date, the total amount to be billed for each task, the amount previously billed for each task, and the total amount due and owing for each task at the time the statement is issued. Within thirty (30) days of the **OWNER’s** receipt of such statement, the **OWNER** shall pay to the **CONSULTANT** all amounts due and owing as indicated thereon, unless the **OWNER** has in good faith contested the same.

5.3. Other Provisions Concerning Payments.

5.3.1. In the event the Agreement is terminated by the **OWNER** without fault on the part of the **CONSULTANT**, the **CONSULTANT** shall be paid for the work performed or services rendered an amount bearing the same ratio to the total Agreement fee as the amount of work completed or partially completed and delivered to the **OWNER** is to the total amount of work

provided for herein, as determined by mutual agreement between the **OWNER** and the **CONSULTANT**.

5.3.2. In the event the services of the **CONSULTANT** are terminated by the **OWNER** for fault on the part of the **CONSULTANT**, the **CONSULTANT** shall be paid reasonable value of the work performed or services rendered and delivered, and the amount to be paid shall be determined by the **OWNER**.

5.3.3. In the event the **CONSULTANT** shall terminate the Agreement because of gross delays caused by the **OWNER**, the **CONSULTANT** shall be paid as set forth in Section 5.3.1. above.

SECTION 6 – ADDITIONAL GENERAL CONSIDERATIONS

6.1. Termination

6.1.1. The obligation to provide further services under this Agreement may be terminated by either party upon ten (10) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party, provided the non-terminating party fails to cure such default within ten (10) days of receiving notice of such default.

6.1.2. The **OWNER** reserves the right to terminate the Agreement for any reason at any time upon seven (7) days written notice to the **CONSULTANT**.

6.2. Ownership and Reuse of Documents.

All documents, including hardcopies and original digital format, including but not limited to Drawings and Specifications, prepared by the **CONSULTANT** pursuant to this Agreement shall be delivered to and become the property of the **OWNER**. The **OWNER** shall have the right to reuse same without restriction or limitation, but without liability or legal exposure to **CONSULTANT**.

6.3. Legal Responsibilities and Legal Relations.

6.3.1. The **CONSULTANT** shall familiarize himself with and shall at all times comply with all federal, state and local laws, ordinances, and regulations which in any manner affect the services of this Agreement.

6.3.2. In performing the services hereunder, the **CONSULTANT** and its **CONSULTANTS**, employees, agents and representatives shall not be deemed or construed to be employees of **OWNER** in any manner whatsoever. Except as otherwise provided in this Agreement, the **CONSULTANT** shall be acting as an independent contractor. The **CONSULTANT** shall not hold itself out as, nor claim to be, an officer or employee of **OWNER** by reason hereof and shall not make any claim, demand or application to or for any right or privilege applicable to an officer or employee of **OWNER**. The **CONSULTANT**

shall be solely responsible for any claims for wages or compensation by **CONSULTANT'S** employees, agents and representatives, including **CONSULTANTS**, and shall save, defend, and hold **OWNER** harmless therefrom.

6.3.3. The parties hereto agree that causes of actions between the parties shall be governed by applicable provisions of the Kentucky Revised Statutes. Any action arising from or in relation to this Agreement shall be brought in Fayette County, Kentucky.

6.4. Successors and Assigns.

6.4.1. **CONSULTANT** binds itself and its partners, successors, executors, administrators, assigns and legal representatives to this Agreement in respect to all covenants, agreements and obligations of this Agreement. **CONSULTANT** shall not assign any interest, obligation or benefit in this Agreement. **CONSULTANT** shall not assign any interest, obligation or benefit in this Agreement nor transfer any interest in the same, whether by assignment or novation, without prior written consent of **OWNER**.

6.4.2. The **CONSULTANT** shall not subcontract more than fifty percent (50%) of the work, based upon dollar value, to be provided under this Agreement. The **CONSULTANT** shall obtain written approval prior to subletting or assigning any services contained in this Agreement, and consent to sublet or assign any part of this Agreement shall not be construed to relieve the **CONSULTANT** of any responsibility for compliance with the provisions of this Agreement.

6.4.3. Nothing herein shall be construed to give any rights or benefits hereunder to anyone other than **OWNER** and **CONSULTANT**.

6.5. Disputes.

Except as otherwise provided in this Agreement, any dispute concerning the amount of payment due the **CONSULTANT** or any dispute concerning any question of fact of any act to be performed under this Agreement, which is not disposed of by agreement between the Urban County Division of Central Purchasing and the **CONSULTANT**, shall be submitted to the Commissioner of the Department of General Services, Lexington-Fayette Urban County Government, for review. The decision of the Commissioner as to the determination of such dispute shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, capricious, arbitrary or so grossly erroneous as necessarily to imply bad faith. Pending a final decision of a dispute hereunder, the **CONSULTANT** shall proceed diligently with the performance of the Agreement in accordance with the directions of the **OWNER**.

6.6. Accuracy of CONSULTANT'S Work.

The **CONSULTANT** shall be required to perform this Agreement in accordance with the degree of ordinary and reasonable skill and care usually exercised by professional architects

and engineers prevailing at the time, place and under similar conditions as the services hereunder are rendered.

The **CONSULTANT** shall be responsible for the accuracy of all work, even though Drawings and Specifications have been accepted by the **OWNER**, and shall make any necessary revisions or corrections resulting from errors and/or omissions on the part of the **CONSULTANT**, without additional compensation. By submission of reports, soils and subsurface information, quantities estimates, calculations and Drawings and Specifications to the **OWNER**, the **CONSULTANT** has made a statement that, to the best of its belief and knowledge, the information is accurate. Failure on the part of **CONSULTANT** to provide the expected level of accuracy may be grounds for the **OWNER** to disqualify **CONSULTANT** from consideration for future **CONSULTANT** service agreements.

6.7. Security Clause.

The **CONSULTANT** certifies that it shall not at any time release or divulge any information concerning the services covered by this Agreement to any person or any public or private organization except the **OWNER** without prior approval of the **OWNER**.

6.8. Access to Records.

The **CONSULTANT** and its sub-**CONSULTANTS** shall maintain all books, documents, papers, and accounting records, and make such materials available at their respective offices at all reasonable times during the contract period and for three (3) years from the date of final payment under the contract for inspection by the **OWNER**, and copies thereof shall be furnished if requested. Failure to maintain such records for three (3) years after the date of final payment may be grounds for the **OWNER** to disqualify the **CONSULTANT** from consideration for future **CONSULTANT** service agreements.

6.9. Required Risk Management Provisions.

The Risk Management Provisions of RFP No. 16-2018 are incorporated herein by reference as if fully stated. Copies of the required Certificates of Insurance shall be provided to **OWNER** as required therein.

SECTION 7 - EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this service agreement, the **CONSULTANT** agrees as follows:

- 7.1.** The **CONSULTANT** will not discriminate against any employee or application for employment because of race, color, religion, national origin, sex, age or handicap. The **CONSULTANT** will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, national origin, sex, age or handicap. Such action shall include, but not be limited to the following: employment upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training,

including apprenticeships. The **CONSULTANT** agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this non-discrimination clause.

7.2 The **CONSULTANT** will, in all solicitations or advertisements for employees placed by or on behalf of the **CONSULTANT**, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, age (between forty and seventy), or handicap.

SECTION 8 - SPECIAL PROVISIONS

8.1. This Agreement is subject to the following provisions.

8.1.2. Pursuant to subparagraph 3.4 of this Agreement, **OWNER** has assigned the appropriate Lexington-Fayette Urban County Government employee (the "**OWNER'S** Agent"), as the authorized agent of **OWNER**, to monitor, direct and review the performance of work of the **CONSULTANT**. Documents, data, reports and all matters associated with carrying out this Agreement shall be addressed to the **OWNER'S** Agent or their designee. Questions by the **CONSULTANT** regarding interpretations of the terms, provisions and requirements under this Agreement shall be addressed to the **OWNER'S** Agent or their designee. The **CONSULTANT** shall look only to the **OWNER'S** Agent or their designee for direction in its performance under this Agreement; no other direction shall be binding upon **OWNER**. **OWNER** shall respond to written requests by **CONSULTANT** within thirty (30) days.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

OWNER:

CONSULTANT:

ATTACHMENT C: Project Timeline For Police West Roll Call Envelope Improvements

Task	Duration	Start	Finish
RFP	28 Days	4/11/2023	5/9/2023
RFP Advertisement	28 Days	5/9/2023	6/6/2023
Pre-Proposal Meeting	1 Day	5/16/2023	5/16/2023
RFP - Responses Due	1 Day	6/6/2023	6/6/2023
RFP Evaluation and A/E Recommendation	7 Days	6/6/2023	6/13/2023
Approved in Legistar Date	1 Days	6/16/2023	6/16/2023
Council WS	1 Day	6/27/2023	6/27/2023
Council 1st Reading (Double Reading)	1 Day	6/29/2023	6/29/2023
N.T.P. & P.O.	12 Days	6/29/2023	7/11/2023
Design	126 Days	7/11/2023	11/14/2023
Design Kick Off Meeting	1 Day	7/11/2023	7/11/2023
Schematic Design Phase	28 Days	7/11/2023	8/8/2023
Schematic Design 98% Submission	1 Day	8/8/2023	8/8/2023
Owner Review of SD Phase	7 Days	8/8/2023	8/15/2023
Final Schematic Design Deliverables Due	7 Days	8/15/2023	8/22/2023
Design & Development Phase	28 Days	8/22/2023	9/19/2023
Design & Development 98% Submission	1 Day	9/19/2023	9/19/2023
Owner Review of DD Phase	7 Days	9/19/2023	9/26/2023
Final Design Development Deliverables Due	7 Days	9/26/2023	10/3/2023
Construction Document Phase	28 Days	10/3/2023	10/31/2023
Construction Document 98% Submission	1 Day	10/31/2023	10/31/2023
Owner Review of CD Phase	7 Days	10/31/2023	11/7/2023
Owner's Construction Documents' Comments Incorporated	7 Days	11/7/2023	11/14/2023
100% Construction Documents Ready to Advertise Submission	1 Day	11/14/2023	11/14/2023
Advertisement & Award	49 Days	TBD	TBD
Compile Bid Documents	7 Days	TBD	TBD
Advertise for Bids	28 Days	TBD	TBD
Pre-Bid Meeting	1 Day	TBD	TBD
Bids Due	1 Day	TBD	TBD
Bid Review & Selection	7 Days	TBD	TBD
Approved in Legistar Date	1 Days	TBD	TBD
Council WS	1 Day	TBD	TBD
Council 1st Reading	1 Day	TBD	TBD
Council 2nd Reading	1 Day	TBD	TBD
Construction Contract Execution/ P.O.	7 Days	TBD	TBD
Anticipated Construction	330 Days	TBD	TBD
Pre-Construction Meeting	1 Day	TBD	TBD
Construction to SC	300 Days	TBD	TBD
Substantial Completion (SC)	1 Day	TBD	TBD
Close Out- Construction to FC	30 Days	TBD	TBD
Final Completion (FC)	1 Day	TBD	TBD

RFP ATTACHMENT: D



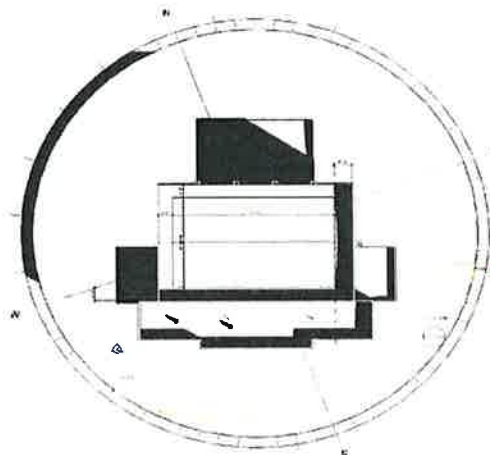
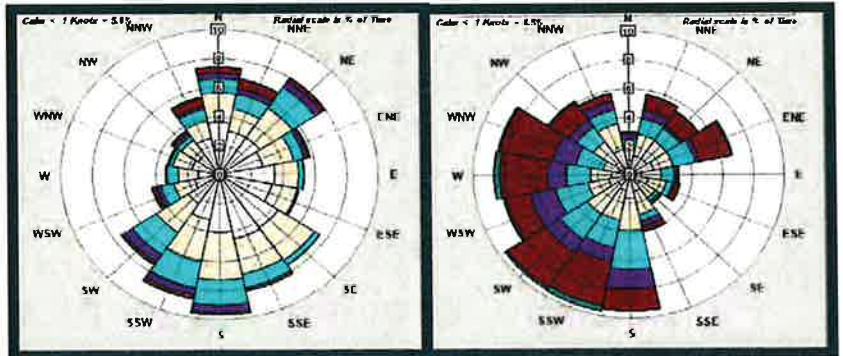
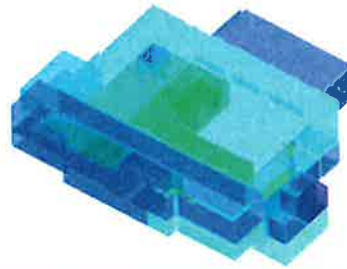
White | Pollard architects

Facilities Capital Construction, General Services

FEASIBILITY STUDY FOR ENVELOPE IMPROVEMENTS AT POLICE WEST & TRAINING CENTER

Old Frankfort Pike, Lexington, Kentucky

PO# LF00158161



Feasibility Study for Envelope Improvements at Police West & Training Center



Lexington Police Training Center Envelope Improvements Study

1795 & 1799 Old Frankfort Pike, Lexington, KY

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Summary

Appendix A – Example Systems and Materials

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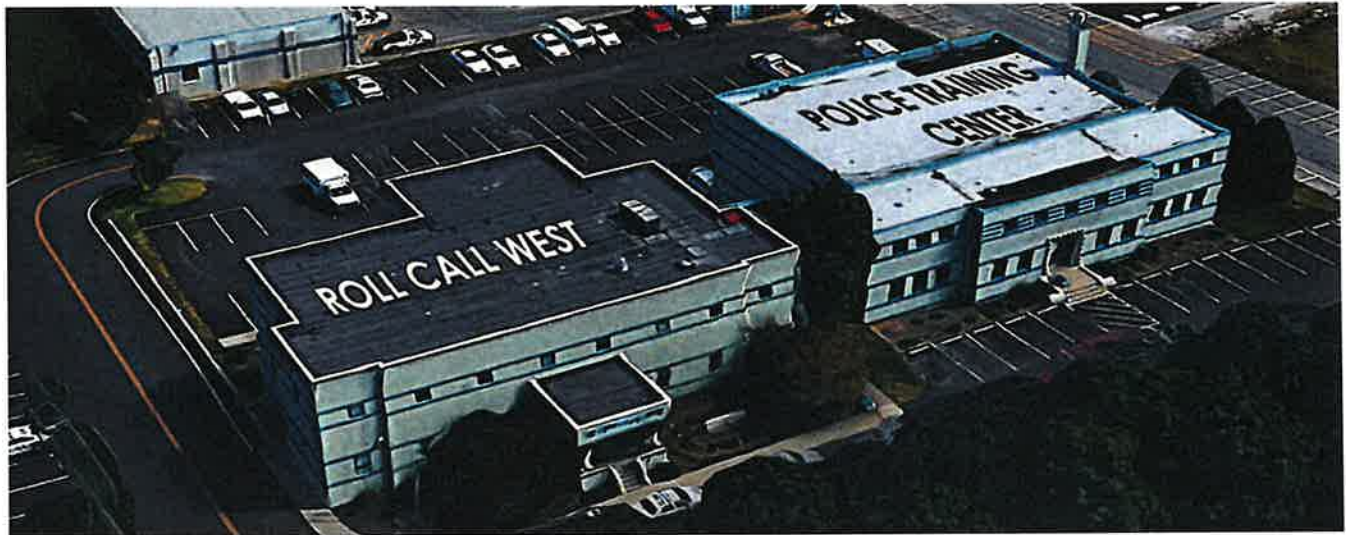
Feasibility Study for Envelope Improvements at Police West & Training Center



Lexington Police West Envelope Improvements Study

1795 & 1799 Old Frankfort Pike, Lexington, KY

06 July 2018



WHITE | POLLARD architects was tasked with assessing the West Role Call Building at 1795 Old Frankfort Pike and the Lexington Police Training Center at 1799 Old Frankfort Pike to determine various strategies for improving the performance and aesthetics of the building facades. According to the provided documents, the Existing Training Center Building is an approximately 70-year-old, concrete-block building with a one-story garage addition on the North side of the building (added later.) The exterior walls were finished with an exterior insulation and finish system (EIFS) in 2008 by the City of Lexington. The existing West Role Call building, designed by Johnson/Romanowitz Architects & Planners was built in 1991 and designed with an EIFS assembly over a 5/8" sheathing on 6" metal studs at 24" on-center with nominal, R-19 batt insulation in the stud cavity. The lowest level – which is partially below grade – has concrete exterior walls up to the main entry level. These walls are finished with the same 5/8" sheathing and EIFS assembly. Both buildings' EIFS assemblies are showing some signs of deterioration due to water infiltration and the unavoidable embrittlement of the synthetic stucco over time. However, the West Roll Call building is in considerably worse condition.

Feasibility Study for Envelope Improvements at Police West & Training Center



This study will examine the following issues relating to the existing building envelopes and potential replacement options:

- Condition of existing building envelopes
- Construction and performance of the existing exterior envelopes
- Challenges and benefits associated with the removal of the existing EIFS systems
- Additional exterior challenges related to building envelope design
- Envelope Performance Analysis
- Potential strategies and systems for improving, or replacing, the building envelopes
- Performance Issues and Proposed Design Modifications to building envelope
- Estimated costs of various approaches to envelope improvements

WHITE | POLLARD architects made several trips to the site to survey and document both buildings' exterior envelopes. To assess envelope performance issues, Building Information Models of each building were created in Revit 2018 using Construction Documents and CAD files provided by the City of Lexington. The resulting building information models were analyzed using Green Building Studio and Autodesk Insight for various performance properties related to solar orientation, prevailing weather and envelope design. WHITE | POLLARD architects investigated various envelope replacement solutions to address current deficiencies and improve overall envelope performance and appearance. Through this process two likely strategies emerged. Each strategy incorporates the design and performance suggestions included in this report and arrive at comparable performance standards. The primary difference between the two approaches is the level of design flexibility and aesthetic impact possible, and the – directly proportional – cost. WHITE | POLLARD architects consulted with various manufacturers to develop two estimates of probable cost using area quantities from the Building Information Models.

Feasibility Study for Envelope Improvements at Police West & Training Center



Existing Conditions

The orientation of the buildings is such that both main facades face approximately South. Both buildings are three stories tall with two stories (approximately 26'-0" to 29'-0" in height) above grade on the South Side and three stories above grade on the North side. Both buildings are finished with a beige EIFS with 3/4" thick, raised, blue, horizontal bands at various intervals.

West Roll Call Building

In general, the EIFS is failing below the main entry floor where the system is adhered to the concrete walls. The EIFS on the West Roll Call building, installed in 1991, appears to be a face-sealed assembly. Evidence that the system is failing can be seen to the right of the main entry on the South façade where the surface is deformed and appears to sag and bulge out from the plane of the façade. Cracks in the EIFS are pronounced and frequent below the main entry floor line. In many locations the tops of the raised, horizontal bands have been caulked – presumably where cracks have opened up in the EIFS surface. The EIFS extends all the way to the grade rather than being held 8" above as is currently recommended by EIFS manufacturers. Where this occurs, the EIFS is degrading – either from prolonged contact with the ground or from moisture accumulated behind the assembly.



Caulking on horizontal bands to repair cracks in EIFS



Deformations in EIFS at bottom of wall – Terminates at grade

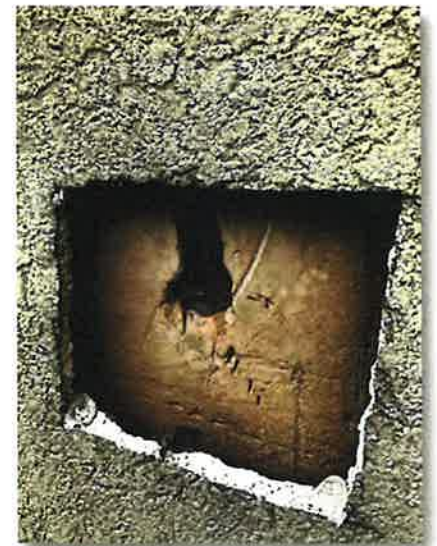
Feasibility Study for Envelope Improvements at Police West & Training Center



On the West façade, where the grade slopes down to the North, the building is adjoined to a concrete walk and stair. The joint between the EIFS and the concrete walks is not transitioned at these areas and the bottom edge of the EIFS is deteriorating. The worst deterioration is adjacent to the concrete stair. The EIFS system is separated from the concrete walls with gaps up to 4" between the surface of the EIFS and the surface of the concrete. Behind these gaps, where holes had previously been cut, the polystyrene has separated from the 5/8" sheathing as well. The walls are deformed to the point that they bulge out to touch the ground-mounted handrails along the concrete stairs which are mounted several inches from the wall surface. Where water is clearly penetrating the EIFS system and accumulating at the bottom of the wall, pronounced degradation of the EIFS is apparent. The gypsum sheathing is falling apart where it has gotten wet and can be crushed with fingers.



West Roll Call building – West Façade



Section of EIFS Assembly showing Insulation and Sheathing



Deterioration of EIFS at bottom of West Façade



Deformation of Wall at Handrail

Feasibility Study for Envelope Improvements at Police West & Training Center



The North façade is a full three stories tall. The concrete walk from the stairs on the West side continues against the building and connects to the asphalt parking lot. The Northwest corner gets very little sunlight throughout the year and there is considerable mold and mildew on the EIFS surfaces in this area. Adjacent to doors, the EIFS has taken considerable damage – cracking the synthetic stucco surface and exposing the polystyrene in several places. The joint between the concrete walks and the EIFS is open and approximately 3/4" in width. The tops of the raised, horizontal bands in the EIFS have been caulked in many places to seal cracks. Where the horizontal band becomes the window sill, the bottom edge of the window framing has also been caulked. The bottom edges of the EIFS are deteriorating and the reinforcing mesh is exposed in many places where the EIFS touches the concrete walks.



Joint at bottom of EIFS and Sidewalk & Caulk at Window Sill



Water Damage at North Stair



Exposed Reinforcing Mesh at bottom of EIFS

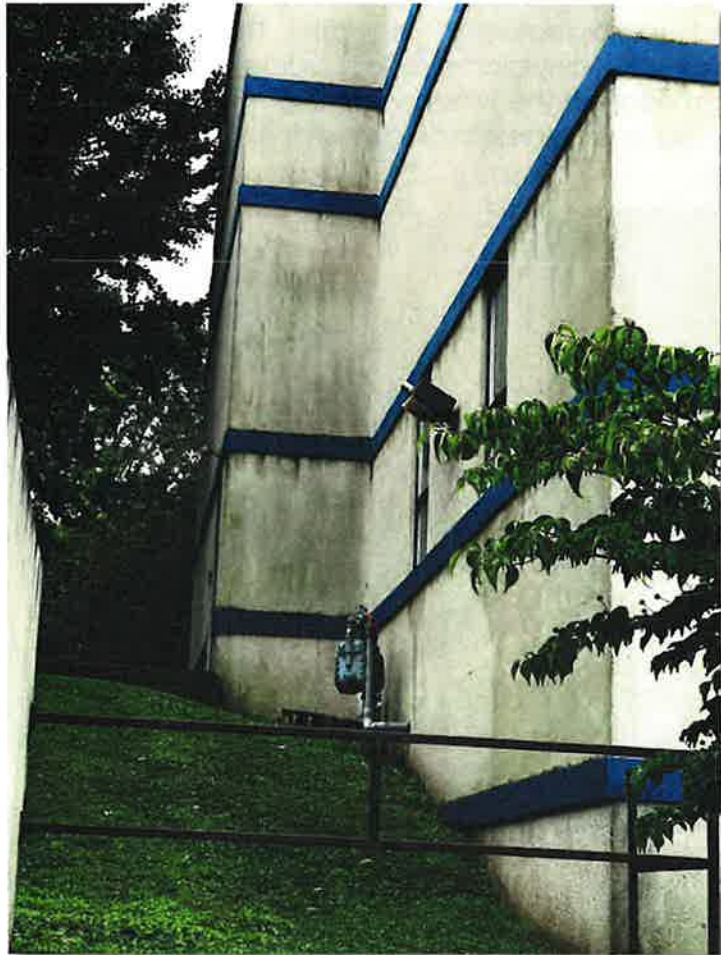


Crushed EIFS at Stair Door

Feasibility Study for Envelope Improvements at Police West & Training Center



With the exception of the bottom edges of the EIFS assembly, the condition of the envelope on the East façade is considerably better than the other facades. This is likely due to the relatively protected nature of the façade – as it faces the Police Training Center and has little exposure to the elements.



East Façade with Gas Meter – Relatively Good Condition

Feasibility Study for Envelope Improvements at Police West & Training Center



Police Training Center Building

Generally, the EIFS appears to be in good condition compared to the West Roll Call building. There is considerably less separation of the system from the substrate, if any. However, the proximity of the bottom edge of the EIFS to the grade has resulted in to some degradation. Using an existing hole in the EIFS to the right of the main entry, WHITE | POLLARD architects was able to verify the thickness of the polystyrene insulation to be $\frac{3}{4}$ ". In many places the tops of the horizontal bands are either cracked and open or caulked. Locations where this occurs appears to be primarily related to poorly functioning scuppers and downspouts. At the interior face of spaces in the two-story portion of the building on the South side, walls have been furred out with studs and gypsum board and presumably insulated with batt insulation between the studs. The building envelope is covered with exposed, surface mounted conduits, vent pipes, and other elements that have been addressed in a number of ways.



Relatively Good Condition of EIFS



Example of EIFS details at surface mounted elements



Interior walls of the two story portion of the Police Training Center have been furred out with additional stud construction and gypsum board. This likely contains some additional insulation over the concrete block walls for the occupied spaces associated with the gymnasium.

Feasibility Study for Envelope Improvements at Police West & Training Center



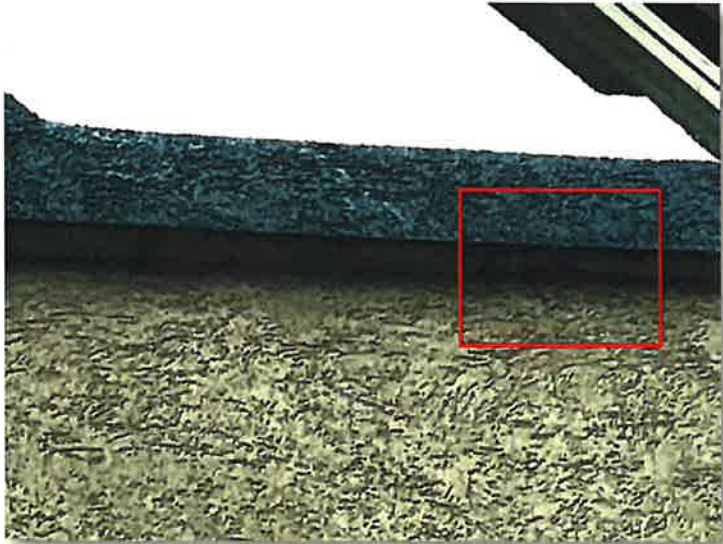
The South façade extends to the grade (and below in some places where mulch in the planting beds covers the bottom of the EIFS.) The lowest, raised, horizontal band is frequently accompanied by mold and mildew on the EIFS surface below it. At the scupper and conductor head in the inside corner of the South façade at the East end of the building there is considerable mold and mildew.



South Façade Condition



EIFS terminates at or below grade



Gaps in EIFS assembly beneath window sills and horizontal bands



Water damage at poorly functioning scuppers.

Feasibility Study for Envelope Improvements at Police West & Training Center



The West façade faces the West Roll Call building and is protected from exposure to the elements. While this façade does not receive a great deal of direct sunlight, it is not showing the same pronounced mold and mildew issues seen on the West Roll Call building's Northwest façade. This is likely due to the drainable EIFS assembly installed on this building. There has been some effort to hold the bottom edge of the EIFS above the grade on this side. However, the transition is rough and unfinished. While this would allow water trapped behind the EIFS to drain out properly it could allow water to wick up from the bottom and allow the unprotected polystyrene to deteriorate where it touches the ground. The South side of this façade terminates at a concrete walk connecting the Police Training Center to the West Roll Call building. The grade slopes down to the North and ends at a retaining wall on the North side of the façade where a mechanical enclosure sits away from the building.



West Façade – Protected from elements



Access Control Device – EIFS at grade



EIFS detail at sloping grade



Surface-mounted junction box

Feasibility Study for Envelope Improvements at Police West & Training Center



The North façade is dominated by the one-story garage addition at the lowest level and the North façade of the gymnasium space. The one-story garage has three large overhead garage doors on the North face and several recessed windows with steel bars on the sides. The North façade of the gymnasium has two large windows that appear to have been recently replaced with new, aluminum, insulated-glass windows. (The previous windows were single-pane steel windows original to the building.) This façade is burdened with numerous penetrations and surface mounted pipes, conduits and downspouts. This condition continues on to the East façade where three electrical service entrance masts are located. There are four small condensing units located in this area. One is mounted, on a steel shelf, to the building. On the Northeast corner of the one-story bump-out there is a downspout from a conductor head that does not terminate at a splash-block or drainage system and is dumping large amounts of water into a hole against the foundation/basement wall.



North Façade – Garage Doors



New Windows at Gymnasium



Steel egress stairs from gymnasium



Data, Mechanical & Electrical

Feasibility Study for Envelope Improvements at Police West & Training Center



Wood egress stairs over gas service



EMS antenna



Condensing units and disconnects

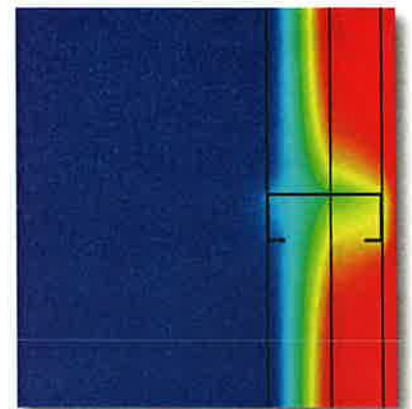
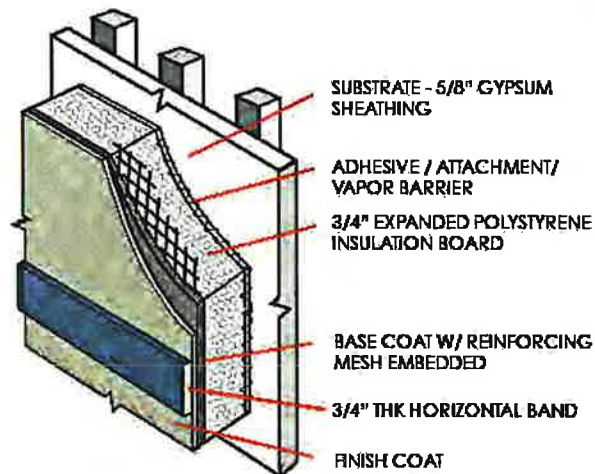


Downspout with no splash block

Feasibility Study for Envelope Improvements at Police West & Training Center



Exterior Insulating and Finish Systems



Thermal bridging in stud walls lowers effectiveness of batt insulation

Existing Wall Construction and Thermal Performance

The Exterior Insulating and Finish System (EIFS) assemblies for both the West Roll Call building and the Police Training Center consist of 3/4" of expanded polystyrene over 5/8" sheathing and covered with a reinforcing mesh and a synthetic stucco finish. According to the U.S. Department of Energy, DOE Handbook 2010 - Table 5.1.3, expanded polystyrene has an R value of 3.9 to 4.4 BTU/ft²·°F·h per inch of thickness. With a 3/4" thickness of expanded polystyrene, the EIFS assembly is providing, at best, an R value of 3.3 for each building. Together with the 5/8" gypsum substrate the R value of the assembly is 3.8625 (R-3.3 EIFS + R-0.5624 gyp.)

The West Roll Call building is constructed with the EIFS assembly over exterior, concrete basement walls (R-3.8625 EIFS assembly + R-0.52 concrete) for a total R value of 4.3825. The exterior walls at the upper floors consist of the EIFS assembly over 6" metal studs at 24" with R-19 Batts between the studs. Due to thermal bridging through the metal studs, the R value of the batts is actually 8.55 according to the [ASHRAE Handbook of Fundamentals](#), or approximately 50% of the nominal value. The whole exterior wall assembly (R-3.8625 EIFS assembly + R-8.55 metal studs and batts) gives a total R value of 12.4125.

The Police Training Center envelope consists of the EIFS assembly over 8" thick concrete block masonry (R-3.8625 EIFS assembly + R-1.11 CMU) resulting in an R-4.9725 assembly. The interior faces of the exterior walls of the two-story portion of the building have been furred out with stud walls that appear to be 2x4 or 3 5/8' studs – likely with R-11 batt insulation between the studs. This would add an additional R-5.5 (reduced due to thermal bridging) to the exterior walls of the two-story portion of the building resulting in an R-10.4725 assembly. The exterior walls of the gymnasium and other areas are not furred out.

The International Energy Conservation Code (IECC) requires R-9.5ci (continuous insulation) on mass walls (concrete and masonry) above grade and R-13 + R13ci on metal framed walls above grade (Table C402.2.) The existing EIFS and wall assemblies fall well below this threshold.

Feasibility Study for Envelope Improvements at Police West & Training Center



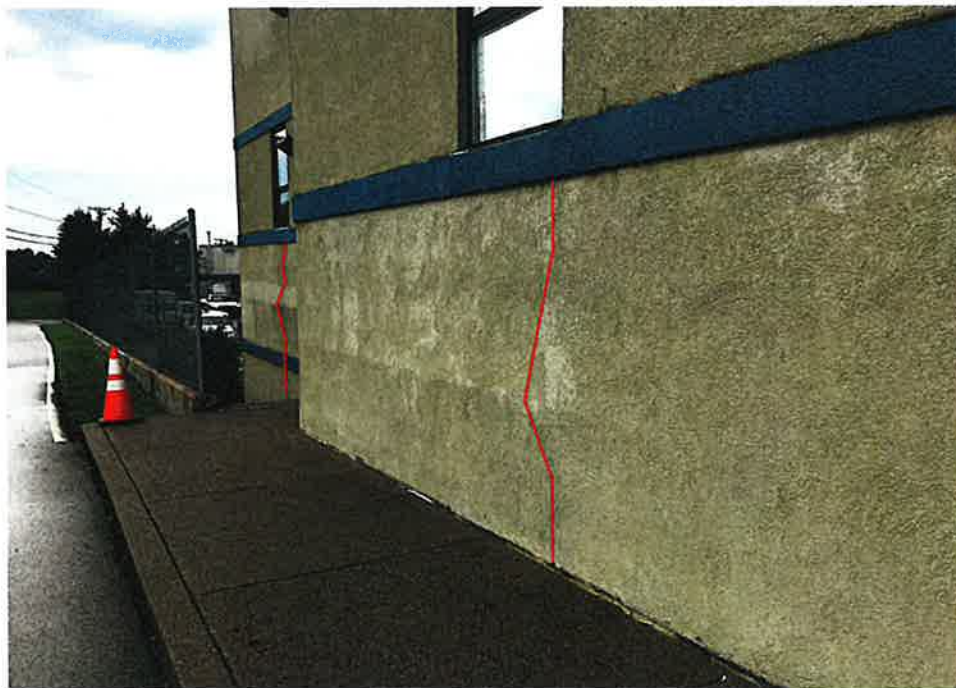
Existing EIFS and New Envelope Systems

While there are many companies providing systems to, essentially, re-skin existing buildings, none of the investigated systems were willing to warranty an installation using an existing EIFS as a substrate. This results in two general options:

- Install a new substrate over the existing EIFS as a platform for a new envelope system.
- Remove the existing EIFS to existing substrate or structure and attach a new envelope system to it.

Each approach has its drawbacks. Installing a new substrate over the existing EIFS and adding a new envelope seals the new substrate between impervious surfaces within the wall. While a new envelope system would add continuous insulation to the exterior side of the new substrate and prevent most moisture from accumulating on the interior surface of the new substrate during cold weather, walls can take on moisture from other sources. Encapsulating a substrate between two impervious layers of a wall assembly would prevent any water that does accumulate on the substrate from easily escaping.

Additionally, the condition of the EIFS on the West Roll Call building is such that installing a new substrate over the existing walls would be difficult where the EIFS has separated from the substrate or degraded. The EIFS on the Police Training Center is in much better condition however the condition of the surfaces behind the EIFS are unknown and the building has a history of taking on water from various sources – this calls the condition of the existing substrate into question.



Where the EIFS laminas have separated from the expanded polystyrene and the gypsum substrate, the wall is visibly deformed – bulging out – making the assembly unsuitable for installation of any additional substrates to support new cladding systems.

Feasibility Study for Envelope Improvements at Police West & Training Center



Removing the existing EIFS eliminates concerns about trapped water and the ability to suitably attach new substrates to the existing material. However, removal can be labor-intensive, and the expanded polystyrene tends to break apart during removal and be hard to clean up. Removal may also damage the existing substrates. In the case of the West Roll Call building, the substrate for the EIFS appears to be the building sheathing. The EIFS on the Police Training Center was designed with a drainage strip placed behind the expanded polystyrene at the bottom of the wall. However, the condition of the existing substrate and the existing concrete block is questionable due to the water issues in this building over the years. The original exterior wall condition can be seen in photos taken prior to the EIFS installation project in 2008 (see below.)

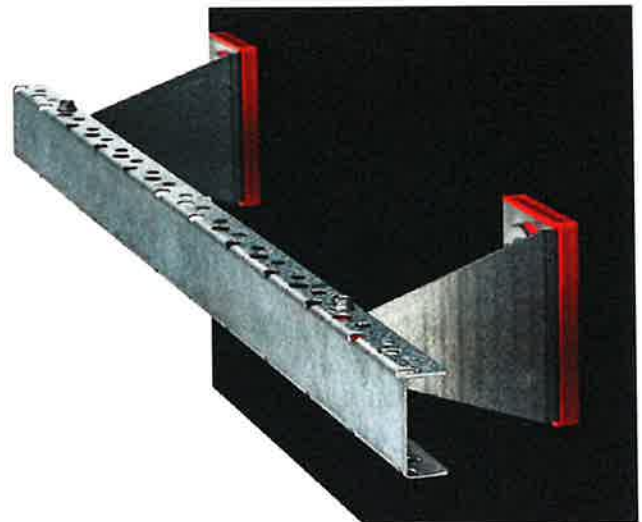


Feasibility Study for Envelope Improvements at Police West & Training Center



A third, hybrid, option is to use a bracket system that attaches to the existing substrate through holes cut into the EIFS and expanded polystyrene. This would allow the existing EIFS to remain in place without covering it with a new anchoring substrate. These systems are significantly more expensive than the other two options but are designed with integral thermal isolators to eliminate thermal bridging and can be adjusted to accommodate additional exterior rigid insulation for rainscreen systems and provide much more flexibility in façade design. They typically support a very wide selection of rainscreen cladding systems. An example of such a system is the [Knight Wall MFI® Rainscreen Attachment System](#) which is compatible with over 120 different claddings.

Knight Wall Systems MFI® Rainscreen Attachment System can be installed to the existing block or framing through holes cut into the existing EIFS assembly.



WHITE | POLLARD architects recommends the full removal of the existing EIFS assemblies. Both buildings are showing signs that water has penetrated the wall assemblies at various times through roof conditions or window openings. The West Roll Call building has the older, and face-sealed, of the two assemblies and the synthetic stucco finish is clearly degrading in many places due to hygric and thermal stresses, and UV exposure (which weakens and embrittles the synthetic stucco as well as the fiberglass mesh.) This process is essentially unavoidable and will continue.

While the superficial appearance of the EIFS on the Police Training Center building is considerably better than the West Roll Call building, it is also 17 years younger. Water has made its way into the exterior walls and there is no guarantee that the degradation process won't worsen after the material is encapsulated behind a new substrate. It is our opinion that the existing assembly should not be left in place. The materials should be removed from both buildings and new systems installed on the existing concrete block or metal studs.

Feasibility Study for Envelope Improvements at Police West & Training Center



Additional Related Work

The replacement, or modification, of the building envelopes affects a variety of elements and systems related to the exterior of the buildings. Any new work being done to the exterior envelopes will need to address these additional items:

West Roll Call Building

The West Roll Call building has a few elements that need to be coordinated or modified in relation to an envelope modification. There are exterior lights attached to the existing walls on each side of the building that will need to be removed and replaced. Exterior doors have access-control systems that would need to be adjusted and integrated into a new envelope. The existing entry on the South side of the building consists of a concrete stoop and stairs with a concrete guard rail around the perimeter and an EIFS covered canopy supported by two columns over the whole entry. This entry canopy should be reworked to integrate into any new envelope construction. On the West side of the building, there are ground-mounted, tube steel handrails that will need to be removed and replaced in order to install a new envelope cladding. On the North side of the building, there are a number of junction boxes, pipe penetrations and recessed wall hydrants that will need to be removed and replaced, modified, or accounted for in the design of a new envelope. The gas service entrance and meter are on the East side of the building. Any increase in wall thickness will need to be addressed at the roof parapet and new copings will be required to close off the top of the modified wall assembly – ensuring that there are no infiltration points for water to easily enter the new envelope. If the roof appears to be the primary source of water penetration, the owner may want to consider replacing the roof at the same time that the envelope is updated. This would improve the thermal performance of the roof assembly, increasing the benefit of other recommended modifications. The electrical service appears to enter the building underground from poles on the Southwest corner and should not come into play.

Police Training Center

The Police Training Center has a significant number of elements that are surface mounted to the existing exterior envelope and which will need to be addressed when removing EIFS or installing new envelope systems. There are a number of exterior, wall-mounted, light fixtures around the building that will need to be removed and replaced. Only one exterior door on the West side of the building appears to have access control hardware installed at this time. The North and East sides of the building have a number of elements to be addressed:

- Overhead power lines and guy wires attach to the one story garage addition on the North side of the building.
- Numerous vent pipes, conduits and junction boxes penetrate the facades in various places.
- Piping and disconnects for three pad-mounted condensing units and one wall-mounted unit on a steel shelf are surface mounted on the East side of the North façade of the Gymnasium.
- An antenna for the Emergency Broadcast and 911 Systems is situated on the Northeast corner of the gymnasium and will need to be relocated before work begins – this building is labeled as an Emergency Operations Center.
- On the East and West sides of the building there are egress doors with stairs leading down to grade level. The stairs on the East side are wood and the stairs on the West side are steel stairs attached to a wood landing. These two stairs will need to be replaced.

Feasibility Study for Envelope Improvements at Police West & Training Center



- The electrical service entrance is on the East façade of the one-story bump-out on the East side of the building. There are three mast heads at this location.
- A roof access ladder is located on the South face of the East bump-out and provides access to the large mechanical unit on the roof. The gas lines for this unit run on the surface of the North façade from the gas service entrance and meter located under the wood stairs.
- A majority of data conduits extending to the roof are currently abandoned and may only need to be removed as the rooftop equipment related to them has been removed.
- The Police Training Center roof is drained via through-wall scuppers and conductor heads attached to downspouts. The new thickness of the building envelope will need to be coordinated with work scheduled to begin on a roof replacement for this building in the near future. The size of scupper flashing and parapet coping need to accommodate any additional wall thickness to maintain a warranty on the new roof installation and parapet copings.

Due to the age of the building, a close inspection of the surface mounted items should be performed to determine which elements are in use and which can be removed entirely to simplify the design of the new envelope. Some elements, such as the electrical service entrances, could also be simplified as part of the envelope improvement since the mast heads and support wires would need to be removed and replaced during the demolition of the existing EIFS and installation of the new envelope system.

Feasibility Study for Envelope Improvements at Police West & Training Center



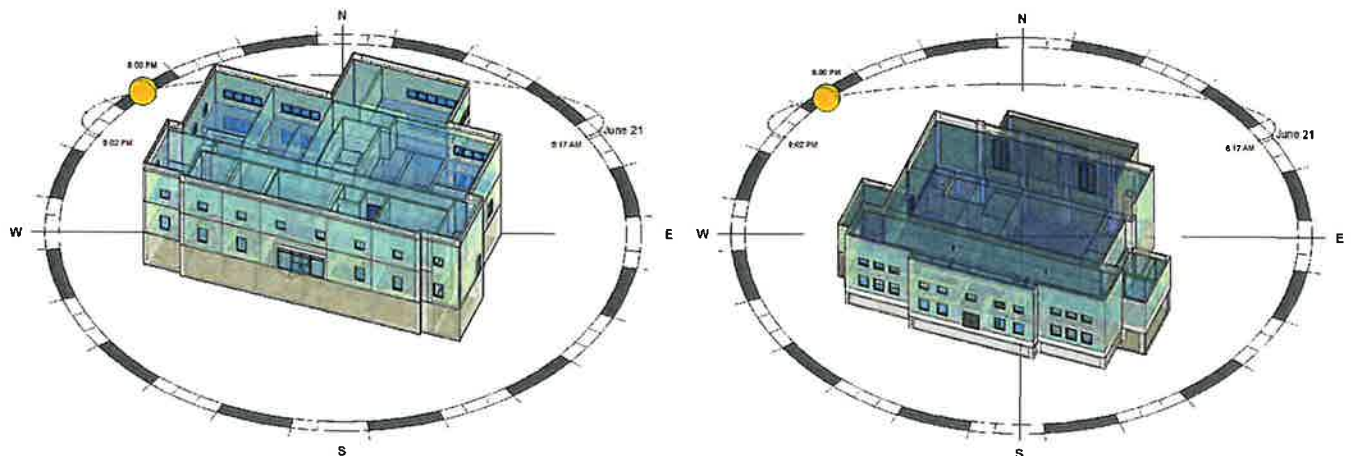
Existing Envelopes Analysis

The primary function of a building envelope is to prevent water from entering the building. Both buildings appear to have had some failures in this regard. Water typically enters a wall through window frames or roof parapet joints – though other elements can provide easy infiltration if poorly designed or maintained. Proper design of these details and systems will minimize the potential for water infiltration however, water can enter a wall under certain weather conditions and that possibility should be addressed in the final envelope design.

The secondary function of a building envelope is thermal insulation. A number of elements influence the thermal envelope design of the two buildings. WHITE | POLLARD architects has constructed and analyzed Building Information Models (BIM) of the existing buildings with particular attention to several factors affecting envelope design. These factors include: general building dimensions, construction and thermal properties of roofs and exterior walls, window sizes and locations, glazing materials, latitude and longitude of the site, angle from true North, location of the nearest weather station, and the occupancy classifications of internal spaces. Energy Analysis Models are generated from the Building Information Models and analyses are performed using Autodesk Insight and Autodesk Green Building Studio to get a picture of the factors affecting the performance of the buildings.

Building Orientation and Location

The Building Information Models are geo-located in order to analyze solar exposures and the effect of typical weather patterns. The buildings on Old Frankfort Pike are located at roughly 38°03'42.0"N and 84°32'25.3"W. The buildings' North-South axes are rotated approximately 20° - 22° East from true North.



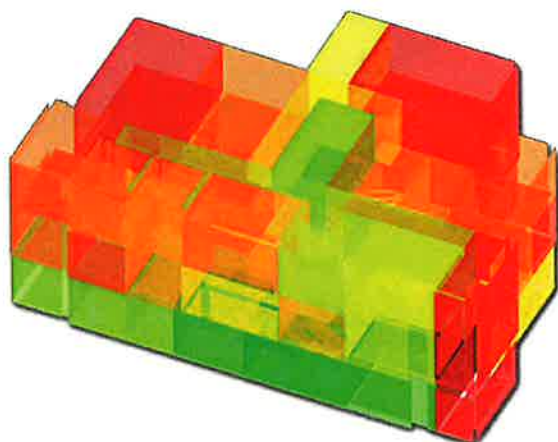
Feasibility Study for Envelope Improvements at Police West & Training Center



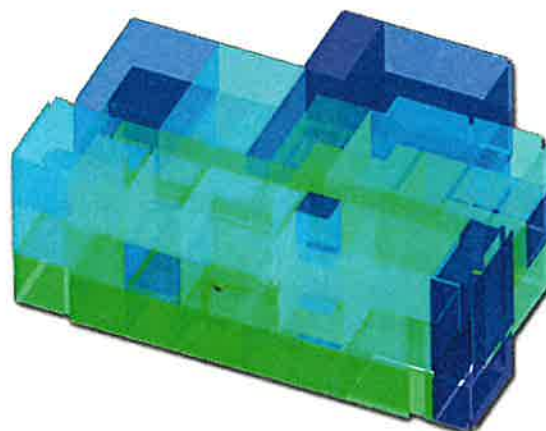
Heating and Cooling Loads

Each building was modeled according to existing construction documents or CAD files provided by the city. Interior spaces were classified according to the indicated occupancy on the provided drawings. Some assumptions were made regarding glazing materials and the thermal properties of the concrete block used in the construction of the Police Training Center. The resulting energy models were analyzed using Green Building Studio and Autodesk Insight.

West Roll Call Building Analysis



West Roll Call - Cooling Loads Visualization



West Roll Call - Heating Loads Visualization

The Energy Analysis Models for the West Role Call and Police Training Center buildings use spaces, surfaces and zones to determine how energy is used in the buildings. With regard to cooling and heating loads, the analysis software looks at the occupancy of the internal spaces, their relation to the exterior of each building and the elements as well as the thermal properties of the walls and openings.

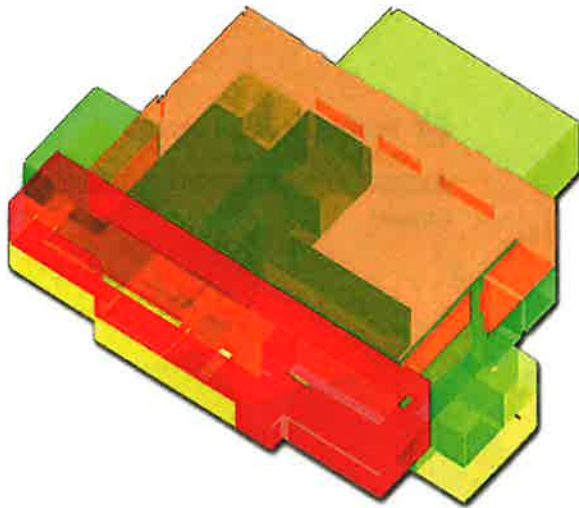
For example, the stair well on the North side of the building shows that it is a cold space (purple) for heating but not a very hot space (yellow) for cooling. This is due to the fact that the surfaces of that space get little direct sunlight in the winter to warm it, has one face exposed to prevailing winter winds and is adjacent to a space with many windows. In the summer, the West wall stays cool because even at a maximum, only half the West facing wall gets 3 hours of sunlight per day. The same affect can be seen on the South-facing spaces with windows which are warmer in the winter but very hot in the summer due to the angle of the sun and the Southern exposure. While

Feasibility Study for Envelope Improvements at Police West & Training Center

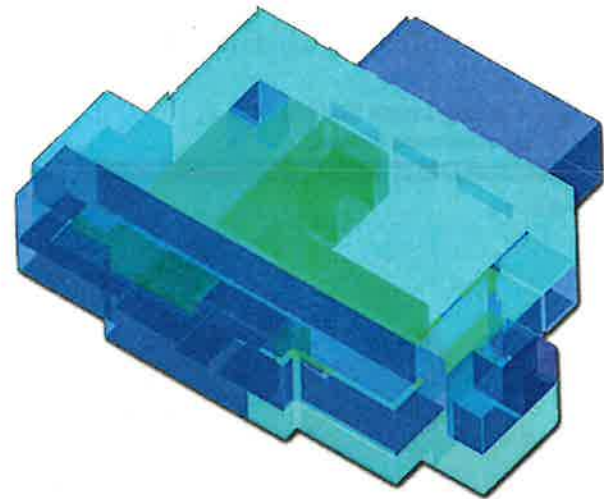


increased thermal insulation is a benefit to the building, merely increasing the R value of the exterior walls will result in limited improvements to thermal performance. Further analysis reveals modifications that can be made to the existing envelope to improve the thermal performance and also provides hints as to the causes of the existing EIFS's failures.

Police Training Center Analysis



Police Training Center - Cooling Loads Visualization



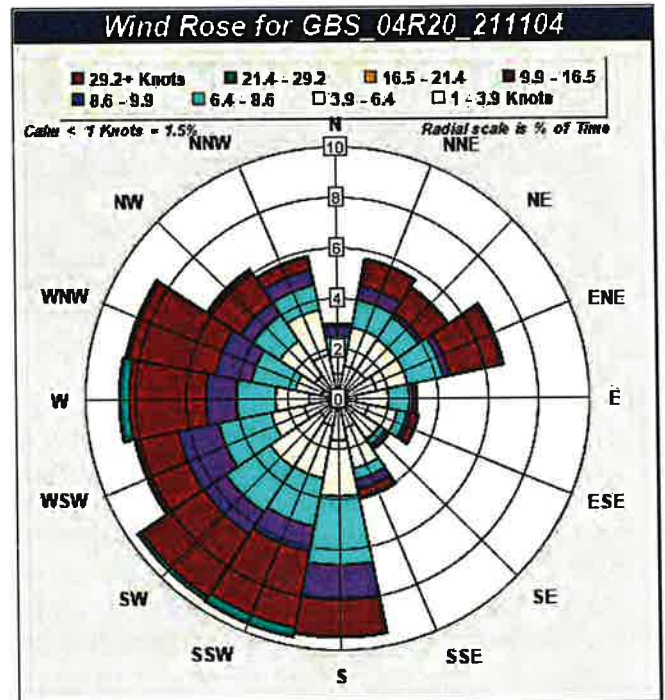
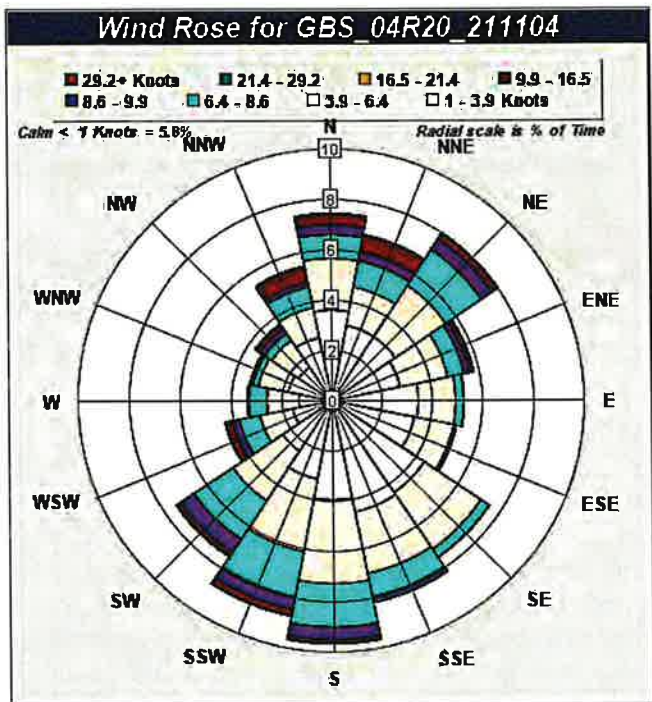
Police Training Center - Heating Loads Visualization

The Energy Analysis Model of the Police Training Center again shows increased heating and cooling loads present on the South-facing side of the building. These spaces have South-facing windows that allow solar heat gain in the summer – increasing cooling needs. The same spaces with concrete block exterior walls and multiple window openings provide limited thermal insulation and many opportunities for air infiltration. The same effect can be seen in the garage addition on the North side of the building where the North façade is dominated by three large overhead garage doors.

Weather Data

The Energy Analysis Model is also analyzed using average weather data for the location of the buildings. The weather data used for energy analysis comes from weather station GBS_04R20_211104 located 3.5 miles from the site. Of primary interest, relative to the building envelopes, are the prevailing winds and average relative humidity for the site. The prevailing wind data shows differences between the summer months and winter months that affect the heating and cooling of the buildings. Relative humidity data (combined with the solar study) helps demonstrate the challenges associated with the existing EIFS assembly on the West Roll Call building – particularly on the Northwest surfaces.

Feasibility Study for Envelope Improvements at Police West & Training Center



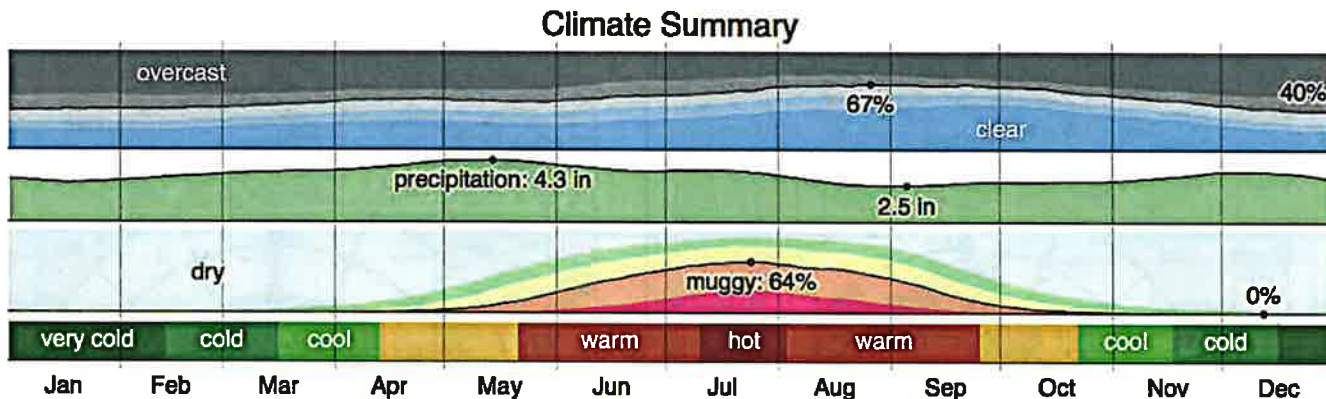
Prevailing Winds - Summer Months

Prevailing Winds - Winter Months

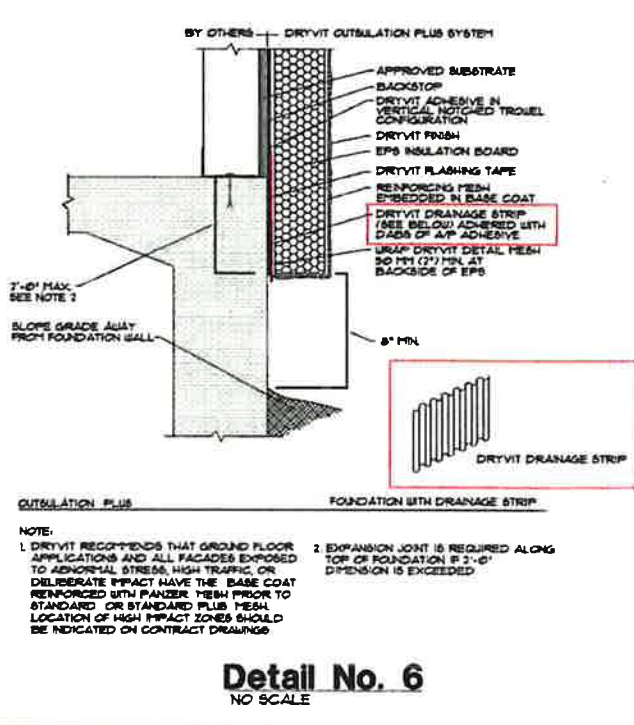
The wind roses reveal that the prevailing winds during cold, winter months are generally stronger and more often from the South and West. The result is that the South and West facades are more likely to be exposed to fast-moving, cold air. This impacts the air infiltration properties and water-tightness of the facades and openings on these surfaces. Both the Energy Analysis Models for the West Roll Call and Police Training Center buildings reveal the impact of these winds relative to openings on the South facades.

Where infiltration does occur, the West Roll Call building is at a disadvantage due to the type of EIFS assembly most likely in place. The EIFS assembly on the West Roll Call building was placed in 1991 during the early use of Exterior Insulating and Finish Systems. EIFS installed during this time was often referred to as face-sealed EIFS. This type of EIFS assembly relied heavily on design and workmanship to ensure that the finish was impervious to water. These systems had no mechanisms in place to address the possibility of water penetration. The results of water penetration with no drainage system in place can be seen in the degradation of the EIFS on the Northwestern facades on the West Roll Call building. Water has clearly entered the walls at some point – either through various cracks in the EIFS or through the parapets at the roof.

Feasibility Study for Envelope Improvements at Police West & Training Center

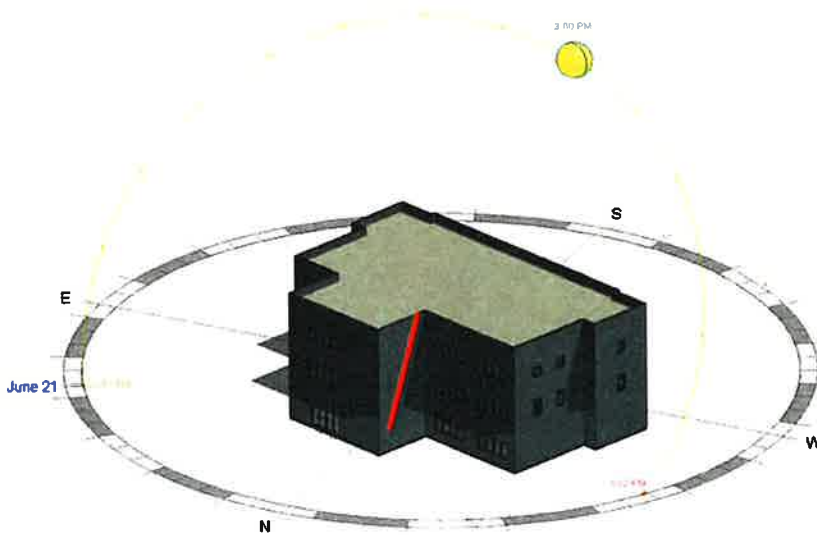


Once water has entered the walls there is very little opportunity for it to dry out. Lexington's heaviest precipitation months are followed by months of high humidity (60% relative humidity or more.) Facades with little sun exposure are even less likely to dry out once water has entered the assembly. The continued wetness of the assembly has led to degradation of the adhesives and gypsum sheathing behind the expanded polystyrene and synthetic stucco causing the assembly to pull apart in many places. The EIFS assembly on the Police Training Center building was designed with a "Dryvit® drainage strip" placed at the bottom of the assembly. This change to a drainable EIFS assembly has prevented the EIFS installation on the Police Training Center from deteriorating over the ten years since it was installed – even with the water penetration issues the building has suffered.



Deterioration of EIFS at the West façade of the West Roll Call Building due to lack of drainage.

Feasibility Study for Envelope Improvements at Police West & Training Center



West Roll Call - Solar Study
Maximum direct sun on North Stair



West Roll Call – North Stair Exterior Wall
Red line coincides with Maximum Sun

The above solar study reveals the cause of the discoloration on the EIFS by showing the shadow line cast by the building. The view of the solar study shows the building on the summer solstice when the sun is at its highest angle. This view shows the maximum possible sun exposure on this wall at any time of the year. At the time shown (3:00 PM) the shadow of the building recedes as far as possible. By 5:00 PM the wall is in shadow once again. This particular condition is independent from water penetration as the wetness is on the exterior of the building. However, it illustrates the role of solar exposure in Kentucky when it comes to drying out buildings. Had the moisture penetrated the interior of the wall, the mold growth seen above would be affecting the interior environment instead of discoloring the façade.

Feasibility Study for Envelope Improvements at Police West & Training Center



Envelope Improvement Strategies

There are two candidate systems for providing new envelope skins to the West Roll Call and Police Training Center buildings assuming the EIFS assemblies are removed as recommended. The first option is an assembly with continuous, exterior rated rigid insulation and a rainscreen cladding system. The primary benefit of this approach is the design flexibility offered by the wide variety of cladding options available to install over the insulation layer. The second option is to install insulated metal panels that combine the insulation and cladding into one layer. This type of system is quicker and easier to install but has fewer options for the designer with regard to exterior appearance.

Each system would result in a much improved and better performing envelope for the two buildings and the performance would be comparable between the two systems. The decision to choose one over the other is a factor of cost and ease of installation. This section is meant to set recommended performance standards for building envelope improvements and new cladding systems as well as explain the caveats of each approach. The cost of the systems is detailed in the Estimates of Probable Cost section.

Rainscreen Systems

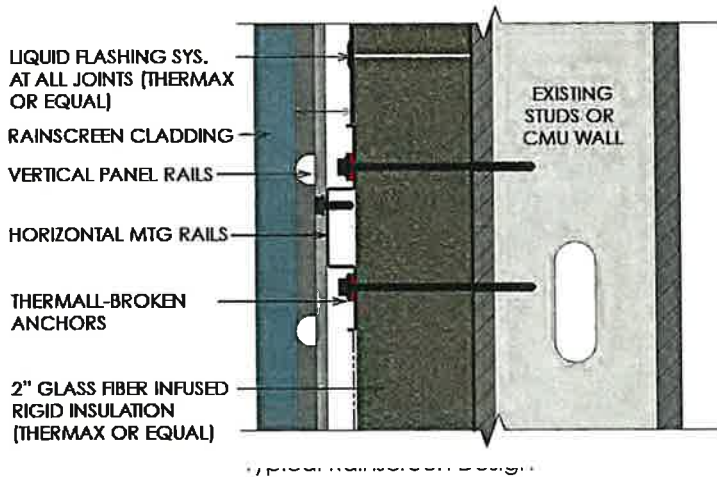
Rainscreen cladding systems are installed over continuous insulation. The 2012 International Energy Conservation Code requires mass walls to have continuous insulation of a minimum 9.5 R value and requires metal framed walls to have a minimum R-7.5ci value combined with additional insulation of at least R-13. Due to the use of the insulation layer as a primary water and air barrier WHITE | POLLARD architects recommends a glass fiber infused, polyisocyanurate rigid insulation such as THERMAX™ by DOW Chemical (refer to Appendix A for materials.) This type of rigid insulation provides better dimensional stability – resulting in fewer joint issues over time as temperature cycles challenge the ability of sealed joints to stay tight. It also provides better fire performance (necessary for rigid insulation installed in exterior wall cavities) than typical extruded polyisocyanurate. Joints should be sealed with LIQUIDARMOR-CM™ sealant and flashing system, as opposed to taping the joints, to provide the seamless barrier required for continuous insulation to perform as intended. Glass fiber infused polyisocyanurate provides an R value of 13 at 2" thick – in both warm and cold weather (R-6.5/in) compared with the typical R-5.8 per inch of standard, extruded polyisocyanurate. These values would exceed the minimum insulation requirements indicated in the 2012 IECC Table C402.2 for Kentucky (Climate Zone 4.)

Glass fiber infused polyisocyanurate also has a compressive strength of 25psi (ASTM E96) providing a firm substrate for the installation of mounting rails to carry the rainscreen cladding system with little thermal bridging from the cladding to the interior of the stud walls or concrete block.

Feasibility Study for Envelope Improvements at Police West & Training Center



The exterior rainscreen cladding should be positioned to bypass any horizontal projections in the substrates. For example, the Police Training Center's original masonry exterior has a number of projections as part of the masonry design. The minimum thickness of continuous insulation should be measured from the face of such projections to provide the most uniform water repelling surface possible.



Police Training Center – Original Façade



Rainscreen assemblies will support a wide variety of cladding options from metal panels to terra cotta blocks and even wood veneers. The cladding protects the vented air space in front of the drainage plane and thermal insulation.

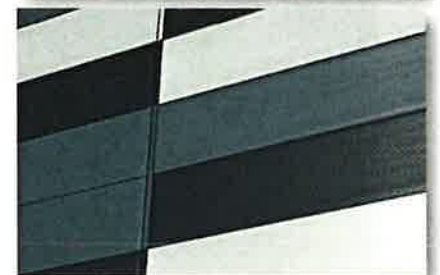
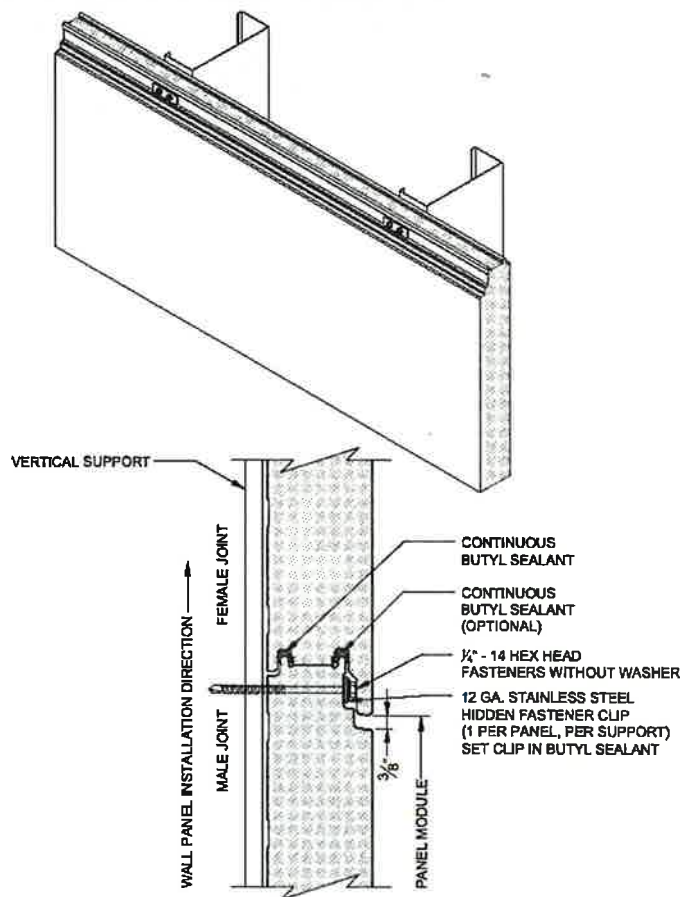


Feasibility Study for Envelope Improvements at Police West & Training Center



Insulated Metal Panels

The second option for improving the performance of the building envelopes is the use of insulated metal panels which combine the insulation, water and vapor penetration barrier and exterior finish into one product. By encasing the rigid insulation in a metal skin, the panels can achieve the same dimensional stability and fire performance of the glass fiber infused polyisocyanurate panels. The designed connections between panels seal to achieve the same continuous insulation barrier as a liquid-sealed rigid insulation assembly. Typical R values for insulated panels are R-7.2/inch at 75°F and R-8.25 at 35°F (polyisocyanurate insulation generally performs better in cold environments.) A 2" thick panel can be expected to provide a reliable R-14 which is well above the continuous insulation values required by the 2012 IECC for Climate Zone 4 (See Appendix C.) Panels can be installed vertically or horizontally depending on the desired appearance or geometry of the building. Because of the number of corners on the Police Training Center, we recommend a vertical orientation on that building. The West Roll Call building has more windows which would make a horizontal attachment more economical.



Feasibility Study for Envelope Improvements at Police West & Training Center



Additional Recommendations and Metrics

Analysis of the existing building envelopes was based on the physical geometry of the buildings, the occupancy of the interior spaces and the thermal properties of the existing exterior envelope. General assumptions were made regarding the HVAC systems, lighting, utility costs and window glazing materials. Autodesk Insight, in conjunction with Green Building Studio and Ecotect, provides information on the probable savings associated with various modifications based on the building information provided. WHITE | POLLARD architects includes these numbers for reference to quantify the impact of various modifications. They should not be considered actual, projected cost savings without more detailed information about the systems mentioned. However, the numbers are useful when comparing the impact of one modification to the impact of another. For example, a change that was projected to save \$0.01 per square foot per year would be less effective than a change projected to save \$0.11 per square foot per year. To that effect, WHITE | POLLARD architects has included only recommendations that are projected to make significant changes in energy use for the two buildings.

Thermal Insulation

The West Roll Call building currently has exterior wall assemblies with a calculated 13.36 R value. Existing exterior walls are 6" metal studs at 24" O.C. insulated with R-19 fiberglass batts. However, metal stud construction allows significant thermal bridging between the interior and exterior faces of the wall assembly – effectively reducing the R value of the batts to 50% of the nominal value. The ¾" expanded polystyrene in the EIFS assembly adds an average of R-4 to the wall. Improving the thermal insulation to current IECC minimums (R13+Rci) is projected to save \$0.10 /SF/year in energy expenses. This can be accomplished with the addition of 2" glass fiber infused polyisocyanurate in a rainscreen assembly or 2" thick insulated metal panels.

The Police Training Center building has concrete block mass walls with a calculated 5.31 R value. Where the exterior walls have been furred out on the inside of various spaces, the best-case R value is approximately 10.81, depending on the insulation used. The IECC minimum required insulation for mass walls is R-9.5 continuous insulation. Bringing the Police Training Center up to IECC minimum requirements is projected to save \$0.03 /SF/year according to the Energy Analysis Model. This can easily be accomplished with the same 2" glass fiber infused polyisocyanurate behind rainscreen cladding or 2" insulated metal panels as recommended for the West Roll Call building. The operational cost savings are slightly less significant due to the nature of the mass wall construction of the Police Training Center and the inconsistency of the existing wall insulation currently in place. WHITE | POLLARD architects recommends improving the thermal insulation to 2012 IECC required values at a minimum.

Feasibility Study for Envelope Improvements at Police West & Training Center



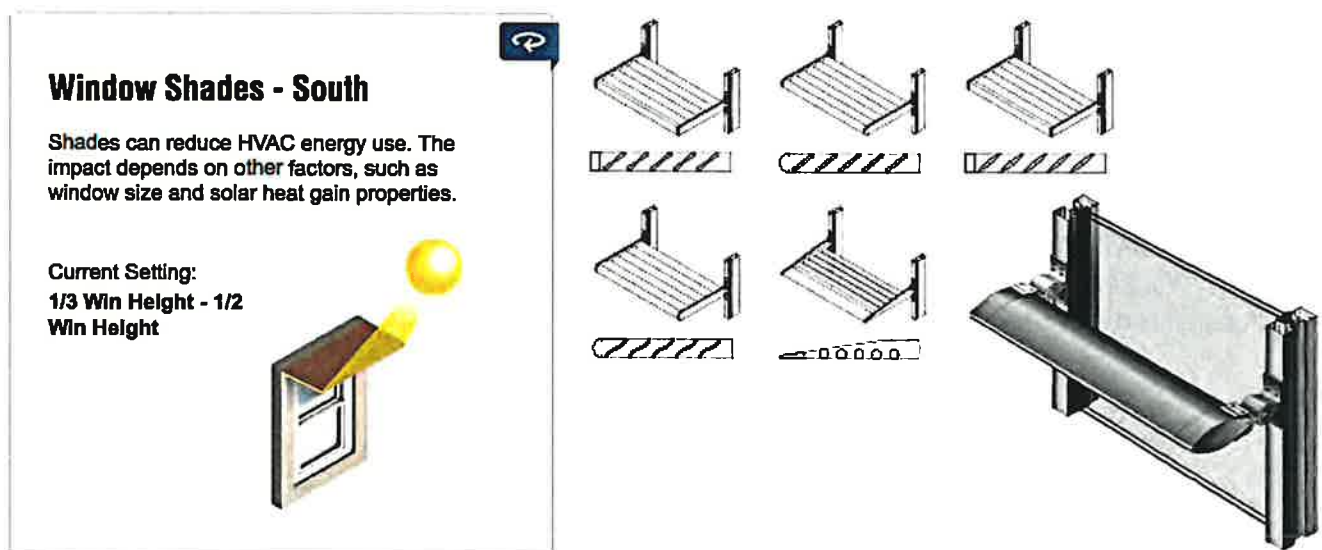
Air Infiltration

Regardless of the selected envelope system there will be a significant improvement in the rate of air infiltration in both buildings. The condition of the West Roll Call building's EIFS assembly indicates that the building is likely losing a great deal of energy through infiltration. Cracks in the EIFS assembly are essentially exposing the wall cavity to the exterior air making the interior gypsum board surface the only air barrier in many places. Rigid polyisocyanurate and insulated metal panels both boast air infiltration test results (ASTM E283) better than 0.003 CFM/SF of panel area at 6.24psf of pressure. Properly installed, both systems qualify as an air barrier or continuous insulation for the 2012 IECC. Calculating an estimated cost savings associated with this improvement is difficult to accomplish with the current information available. However, it is an added benefit to the significant cost savings associated with the thermal insulation.

Window Shading

The Energy Analysis Models indicated an increase in heating and cooling loads in spaces on the South side of both buildings. The cooling loads on both buildings can be reduced by adding shading devices to the windows on the South facades of each building. A 2'-0" deep shading device (roughly 1/2 to 1/3 the height of the windows) is likely to save approximately \$0.03 to \$0.05 per square foot per year on the Police Training Center and \$0.09 per square foot per year on the West Roll Call building. The primary difference in saving between the two buildings is attributable to differences in the occupancy of the spaces in each building. The Police Training Center has exercise rooms, changing rooms, and corridors along the South façade where the West Roll Call building has offices and conference rooms. Other facades would not benefit from shading devices to the same degree.

WHITE | POLLARD architects recommends adding 2'-0" deep shading devices over all windows on the South facades of the West Roll Call and Police Training Center buildings to reduce cooling loads in spaces along those facades.



Feasibility Study for Envelope Improvements at Police West & Training Center



Cost Estimates

The cost estimates were approached looking at two systems for each building. The first estimate for each building is based on installing a rainscreen assembly and the second is based on the use of insulated metal panels. The estimated cost of the new envelope system for each cost estimate is described in section [1.0 New Façade Replacement System](#) on each Cost Estimate – Worksheet (See Appendix B.) While the components and cost of these systems are different, there are a number of tasks that need to (or should) be accomplished for each building regardless of the envelope system used. These items are described in section [2.0 Miscellaneous Items](#).

1.0 New Façade Replacement System

For each cost estimate, the first item (Item a) is the demolition of the existing EIFS and gypsum substrates. The unit price for this demolition is the same on both buildings. The balance of Section 1.0 is the cost of the new envelope system to be installed. The cost of rainscreen cladding systems and insulated metal panels (Item f) can vary significantly depending on the materials and manufacturer. For each system estimated an economical product that met the performance criteria was the basis of cost. In the case of the rainscreen system, the continuous insulation and attachment system represents the architect's recommended materials. All quantities are derived from the Building Information Models.

2.0 Miscellaneous Items

The Miscellaneous Items section covers additional work needed as a consequence of envelope replacement. These items are specific to the individual buildings and are mostly tied to existing conditions. The exception to this rule are the Architectural Sun Shades (Item a) which are recommended to reduce the heating loads associated with windows on the South façade serving offices and exercise rooms.

Cost Assessment

While both the rainscreen system and the insulated metal panels will achieve the same performance levels as outlined, the insulated metal panels are by far more cost effective in each case. We estimate that the insulated metal panel approach will be approximately \$100,000.00 less expensive than the comparable rainscreen system for both buildings. Unless the new envelope is meant to make an aesthetic statement, there is little value in pursuing the rainscreen option. WHITE | POLLARD architects recommends that both buildings have insulated metal envelopes installed – a horizontal system on the West Roll Call building to take advantage of the metal stud structure and to accommodate the horizontal groupings of windows, and a vertical system on the Police Training Center in response to the number of corners present in the existing building and the concrete block structure.

Feasibility Study for Envelope Improvements at Police West & Training Center



Summary

After extensive review, WHITE | POLLARD architects recommends that the existing EIFS assemblies present on the two buildings at 1795 and 1799 Old Frankfort Pike be completely removed and replaced with new 2" thick, insulated metal panel envelopes. This would substantially improve the thermal insulation of both buildings and meet current, 2012 IECC standards. Additionally, the South facing windows on each building should be fitted with new 2'-0" deep architectural sun shades to reduce the solar heat gain on the Southern façades and related spaces while continuing to help the heating loads in these areas.

On the West Roll Call Building, any substrates or batt insulation damaged by water infiltration should be removed and replaced. Steps should be taken to ensure that the joints in the roof assembly are water tight to prevent future water damage. At a minimum, new prefinished parapet copings should be installed to integrate the new envelope with the existing roof. The existing canopy over the front entry should be demolished to roof structure and a new PVC roof system installed and flashed to the new envelope.

On the Police Training Center Building, a survey of mechanical and electrical elements surface mounted to the existing facades should be performed and all abandoned elements removed. The existing egress stairs on each side need to be removed and replaced with new steel stairs. Because the new envelope will impact the existing utility entrances, it may be a great opportunity to simplify the current elements. This building is already scheduled to have a new roof installed, therefore the existing parapet copings and other roof elements will be replaced to accommodate the future insulated metal panel envelope.

Estimated Costs of Recommended Improvements

West Roll Call Building (1795 Old Frankfort Pike) –	\$253, 806.29
Police Training Center (1799 Old Frankfort Pike) –	\$236, 363.12

Total Cost of Recommended Improvements – \$490, 169.41

(Detailed Cost Estimate Worksheets for each building are included in Appendix B)

Respectfully Submitted,

Handwritten signature of Kell D Pollard in black ink.

Kell D Pollard, Assoc. AIA, LEED AP

Handwritten signature of Steven M White in black ink.

Steven M White, AIA, LEED AP

Feasibility Study for Envelope
Improvements at Police West &
Training Center



Appendix A

Example Systems and Materials



THERMAX XARMOR™ (ci) Exterior Insulation

1. PRODUCT NAME

THERMAX XARMOR™ (ci) Exterior Insulation

2. MANUFACTURER

The Dow Chemical Company
Dow Building Solutions
200 Larkin Midland, MI 48674
1-866-583-BLUE (2583)
Fax 1-989-832-1465

www.thermaxwallsystem.com

3. PRODUCT DESCRIPTION

THERMAX XARMOR™ (ci) Exterior Insulation is the toughest insulation for the patented THERMAX™ Wall System. Boasting a strong 4.0 mil embossed exterior foil facer, this solution provides builders with more durability for long-term performance. THERMAX XARMOR™ (ci) is also the only THERMAX™ insulation with a dark exterior facer optimized to go behind rain screen exteriors. It is engineered with unique fiberglass reinforced core for enhanced fire performance and a stronger, straighter board. When used as part of the THERMAX™ Wall System, the integral, durable thermoset-coated aluminum facer provides a drainage plane, water-resistive barrier and exterior sheathing; eliminating the extra steps of installing a membrane, building wrap and exterior gypsum. The foam core provides one of the highest R-values⁽²⁾ available (R-6.5 at 1") for immediate insulation and weather protection on the job site, as well as long-term thermal performance and water resistance. As a UV stable material, THERMAX XARMOR™ (ci) Exterior Insulation can remain uncovered up to six months. With its low perm rating and high insulating value, THERMAX XARMOR™ (ci) Exterior Insulation reduces the potential for condensation within the wall assembly resulting in long lasting performance.

TABLE 1: Sizes⁽¹⁾, R-Values And Edge Treatments For THERMAX XARMOR™ (ci) Exterior Insulation

Nominal Board Thickness (in.)	R-Value	Board Size (ft.)	Edge Treatment
0.625	4.1	4 × 8/4 × 12	Square Edge
1.0	6.5	4 × 8/4 × 12	Square Edge
1.55	10.1	4 × 8/4 × 12	Shiplap
2.0	13.0	4 × 8/4 × 12	Shiplap

⁽¹⁾ Contact your Dow seller for information at different R-values and other sizes and lead time requirements. Not all product sizes are available in all regions.

⁽²⁾ Aged R-value at 1" of cured foam @ 75°F mean temperature. R-value expressed in ft² • h • °F / Btu. R-value determined by ASTM C518 using the aging process in ASTM C1289 (90 days @ 140°F).

With more than 30 years of proven performance, THERMAX™ products feature a distinct free-rise technology for better product consistency, durability and fire performance than generic polyisocyanurate insulations.

Basic Use

THERMAX XARMOR™ (ci) Exterior Insulation is the core component of the THERMAX™ Wall System, which easily meets or exceeds ASHRAE 90.1-2013 prescriptive requirements for continuous insulation on exterior walls, as governed by building codes.

Sizes

See Table 1 for sizes, R-values and edge treatment options.

4. TECHNICAL DATA

Applicable Standards

THERMAX XARMOR™ (ci) Exterior Insulation meets ASTM C1289 – Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board, Type I, Class 2. Applicable standards include:

- C203 – Standard Test Methods for Breaking Load and Flexural Properties of Block-Type Thermal Insulation
- C209 – Standard Test Methods for Cellulosic Fiber Insulating Board

- C518 – Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
- D1621 – Standard Test Method for Compressive Properties of Rigid Cellular Plastics
- D2126 – Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging
- E96 – Standard Test Methods for Water Vapor Transmission of Materials
- D1623 – Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics

Physical Properties

Exterior Insulation exhibits the properties and characteristics indicated in Table 2 when tested as represented.

Fire Protection

THERMAX™ products should be used only in strict accordance with product application instructions. THERMAX™ products, when used in a building containing combustible materials, may contribute to the spread of fire. For more information, consult (Material) Safety Data Sheet ((M)SDS) and/or call Dow at 1-866-583-BLUE (2583). In an emergency, call 1-989-636-4400.

Code Compliances

THERMAX XARMOR™ (ci) Exterior Insulation complies with the following codes:

- 2012 International Building Code (IBC) Section 2603
 - UL Classified; Class A UL 723 (ASTM E84) Surface Burning Characteristics of Building Materials
 - Fire Performance Evaluation approvals per NFPA 285, 2006 Edition (UBC 26.9, intermediate scale – multistory testing)
- ICC-ES ESR-1659
- FM 4880 – Factory Mutual Class 1 Insulated Wall and Ceiling Panel
- THERMAX™ products are covered under Underwriters Laboratories Inc. (UL) file R5622
- The following designs are 1, 2, 3 or 4 hour wall rated assemblies as listed in the UL Fire Resistance Directory: U026, U326, U330, U354, U355, U424, U425, U460, U902, U904, U905, U906, U907, V454, V482, V499, W417
- The following designs are 1, 2, 3 or 4 hour wall rated assemblies as listed in the Intertek Fire Rating Listing: FI 60-02, FI 60-01, FI 120-01
- Meets air barrier requirements as tested by ASTM E2357 and water barrier requirements as tested by ASTM E331 when THERMAX XARMOR™ (ci) Exterior Insulation is used as part of the THERMAX™ Wall System

Contact your Dow sales representative or local authorities for state and local building code requirements and related acceptances.

TABLE 2: Physical Properties of THERMAX XARMOR™ (ci) Exterior Insulation

Property and Test Method	Value
Thermal Resistance ⁽¹⁾ , ASTM C518, R-value	6.5
Compressive Strength ⁽²⁾ , ASTM D1621, psi	25.0
Flexural Strength, ASTM C203, psi	55.0
Water Absorption, ASTM C209, % by volume, max.	0.1
Water Vapor Permeance, ASTM E96, perms	≤0.04
Maximum Use Temperature, °F	250
Surface Burning Characteristics ⁽³⁾ , ASTM E84	
Flame Spread	25
Smoke Developed	<450

⁽¹⁾ Aged R-value at 1" of cured foam @ 75°F mean temperature. R-value expressed in ft² •h•°F/Btu. R-value determined by ASTM C518 using the aging process in ASTM C1289 (90 days @ 140°F).

⁽²⁾ Vertical compressive strength is measured at 10 percent deformation or at yield, whichever occurs first.

⁽³⁾ Calculated flammability values for this or any other material are not intended to represent hazards that may be present under actual fire conditions.

5. INSTALLATION

Boards of THERMAX XARMOR™ (ci) Exterior Insulation are lightweight and can be sawed or cut with a knife. They install quickly and easily to walls with common building tools. Vertical joints should be staggered and butt joints must be installed over structural members. For optimum performance seal all joints between boards with LIQUIDARMOR-CM Sealant and Flashing.

6. AVAILABILITY

THERMAX XARMOR™ (ci) Exterior Insulation is distributed through an extensive network. For more information, call 1-800-232-2436.

7. WARRANTY

Fifteen-year limited Thermal warranty and Fifteen-year Water Resistive warranty may be applicable when used as a component in the THERMAX™ Wall System. See www.thermaxwallsystem.com for more details.

8. MAINTENANCE

Not applicable.

9. TECHNICAL SERVICES

Dow can provide technical information to help address questions when using THERMAX XARMOR™ (ci) Exterior Insulation. For technical assistance, call 1-866-583-BLUE (2583).

10. FILING SYSTEMS

www.thermaxwallsystem.com
www.dowbuildingsolutions.com



In the United States

The Dow Chemical Company
Dow Building Solutions

200 Larkin Center
Midland, MI 48674

For Technical Information:

1-866-583-BLUE (2583) (English)
1-800-363-6210 (French)

For Sales Information:

1-800-232-2436 (English)
1-800-565-1255 (French)

dowbuildingsolutions.com

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STYROFOAM™ Brand Extruded Polystyrene Foam Insulation

CAUTION: This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

WARNING: Rigid foam insulation does not constitute a working walkable surface or qualify as a full protection product.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

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Form No. 179-00029-0518 CDP
178-00806-0518 CDP



LIQUIDARMOR™ – CM Flashing and Sealant

Product Information – Commercial

1. PRODUCT NAME

LIQUIDARMOR™ -CM Flashing and Sealant

2. MANUFACTURER

The Dow Chemical Company
Dow Building Solutions
200 Larkin Center, 1605 Joseph Drive
Midland, MI 48674
1-866-583-BLUE (2583)
Fax 1-989-832-1465

3. PRODUCT DESCRIPTION

Basic Use

LIQUIDARMOR™ -CM Flashing and Sealant is an innovative, patented liquid flashing solution designed to provide commercial buildings advanced moisture and air sealing protection. An innovative alternative to flashing tape, the elastomeric spray forms a tight, seamless barrier along the rough openings of windows and doors while helping to significantly reduce labor time. The liquid flashing solution offers an excellent alternative sealant solution to conventional flashing and sealing products for installation of THERMAX™ or the Ultra Air Barrier Wall Systems.

LIQUIDARMOR™ -CM Flashing and Sealant covers and seals hard-to-reach gaps up to a quarter inch wide and offers a reliable replacement to peel and stick flashing tapes commonly used on board joints of commercial buildings. The versatile, water-based coating works on a wide range of surfaces, including foam boards, steel studs, concrete masonry units, tapes, wood buck, and wraps. With sprayable, aqueous technology, it facilitates a consistent application using commonly available airless paint sprayers.

The liquid flashing solution seals around screws, veneer anchors and penetrating fasteners, resulting in a durable and resilient barrier suited to withstand job site variations and long term building performance. Once the LIQUIDARMOR™ -CM sealant sets to the final elastomeric solid, the treated area is protected and helps provide superior air leakage and moisture control as part of a joint treatment with Dow's commercial wall assemblies.

Limitations

Surface and ambient temperatures should be 35°F and rising and below 120°F during application. LIQUIDARMOR™ -CM Flashing and tolerates rain if adequate skin forms before rain exposure. Exact time varies depending on temperature and humidity conditions. In low temperature, high humidity (> 50% R.H.) applications, allow LIQUIDARMOR™ -CM to cure for at least 24 hours. However, do not apply to surfaces with standing water or frost.

TABLE 1: LIQUID PROPERTIES

Form	Grey-blue, sprayable sealant
Volatile Organic Compounds (VOC)	2.3 wt%
Density	11.4 lbs./gal.
Total Solids	75%

Application Environment

- 35–120°F
- One step (no mesh required)
- Tolerates freeze-thaw
- Tolerates heat-age
- Rain resistant

4. TECHNICAL DATA

Applicable Standards

LIQUIDARMOR™ -CM Flashing and Sealant complies with the following standards listed in the codes:

- ASTM E331, "Water Penetration of Exterior Windows by Uniform Static Air Pressure Difference."
- ASTM E2357, "Standard Test Method for Determining Air Leakage of Air Barrier Assemblies."

Contact your Dow sales representative or local authorities for state/provincial and local building code requirements and related acceptances.

Physical Properties

LIQUIDARMOR™ -CM Flashing and Sealant exhibits typical properties and characteristics indicated in Table 1 when tested as represented.

TABLE 2: TYPICAL CURED PROPERTIES

Tensile Strength, ASTM D412	340 psi
Elongation at Break, ASTM D412	270%
Water Vapor Transmission, ASTM E96, Procedure B	4 perms
Accelerated Weathering AAMA714, Section 5.3	Passes
Nail Sealing Ability ASTM D1970/AAMA714, Section 5.2	Passes
Elevated Temperature, AAMA 714, Section 5.4	Passes

Third-Party Tested:

ASTM E331, "Water Penetration of Exterior Windows by Uniform Static Air Pressure Difference": Passed with no leakage after 2 hours at 6.24 psf as part of Dow's THERMAX™ Wall System and Ultra Air Barrier Wall system designs.

ASTM E2357, "Standard Test Method for Determining Air Leakage of Air Barrier Assemblies": Rated at 0.0810 and 0.0508 L/s-m², as part of Dow's THERMAX™ Wall System and Ultra Air Barrier Wall System designs, respectively.

* Consult label and SDS carefully before use.

5. INSTALLATION

Preparation

- Read all safety information and conditions of use before applying product.
- To facilitate best results, apply to clean surfaces free of contaminants.
- Remove and replace damaged sheathing.
- Treat any gaps that are greater than ¼" wide with acrylic caulk.

Equipment

- Recommended Airless Paint Sprayer: Titan Speedflow 1200 SF or Titan Impact 1140 or Graco GMAX II 5900 or Graco TexSpray Mark IV
 - Max GPM: 1.1
 - Max PSI: 3,300
 - Motor: 2.2 hp
- Recommended Spray Tip: TR2 tip 519/213 or Graco XHD325
 - Use 500s series for wider spray widths and 200s or 300s series for narrower gaps, such as joints, as a general guidance. Refer to sprayer manufacturer for specific sprayer and tip details. Other sprayer models matching the equipment throughput and pressure range can be used.

Application Instructions

- If necessary, just before spraying LIQUIDARMOR™ -CM Flashing and Sealant, treat any gaps that are greater than ¼" wide with GREAT STUFF PRO™ Window & Door Insulating Foam Sealant or acrylic caulk.
- Allow 10 to 20 minutes for GREAT STUFF PRO™ Window & Door Insulating Foam Sealant or acrylic caulk to skin over, then spray LIQUIDARMOR™ -CM Flashing and Sealant (50 ±5 wet mils thick) at 3 ±1" wide on board joints.

As window flashing, cover rough opening per flashing design details at 50 ±5 wet mils thick, and > 2" overlap on any sheathing surface at transitions.

- After spraying LIQUIDARMOR™ -CM Flashing and Sealant, ensure consistent film thickness of the coating and visually inspect for missed spots.
- If there are missed spots, a brush can be used to smooth the coating and fill any voids.
- Allow LIQUIDARMOR™ -CM Flashing and Sealant to "dry-to-touch." Depending on humidity, temperature, sun exposure and wind direction. Allow at least 24 hours cure before rain to avoid rain wash out. or overnight may be needed.
- Insert the window per manufacturer's instructions.

6. SAFETY AND CONDITIONS OF USE

- As with any construction site, follow basic safety practices.
- Follow all spray equipment instructions and warnings.
- Read the label and Safety Data Sheet carefully before use
- It is recommended that spray applicators and those working in the spray area wear eye protection such as safety glasses with side shields or goggles.
- Contact with exposed skin may cause skin discoloration and dryness.
- Gloves are recommended for prolonged exposures.
- Ensure adequate ventilation during spray applications.

7. AVAILABILITY

LIQUIDARMOR™ -CM Flashing and Sealant is available in 5-gallon pails at select locations. For more information, call 1-800-232-2436.

8. WARRANTY

When used per Dow's recommended installation, Dow hereby warrants that the product will be free of defects in material and perform to Dow's published physical property specifications at time of purchase so long as product is within best-use date as stated on product label, and the product is applied per product literature. All recommendations or suggestions for use are made without guarantee. Dow recommends that customers inspect ambient and substrate conditions, and test product before use to determine content and suitability for their specific use. In no event shall Dow be liable for any other costs or damages, including labor costs.

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In the U.S.

The Dow Chemical Company

Dow Building Solutions
200 Larkin Center
Midland, MI 48674

In Canada

Dow Chemical Canada ULC

Dow Building Solutions
215 – 2 Street S.W.
Suite 2400
Calgary, Alberta T2P 1M4

For Technical Information:

1-866-583-BLUE (2583) (English)

1-800-363-6210 (French)

For Sales Information:

1-800-232-2436 (English)

1-800-565-1255 (French)

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Dow Polyurethane Foam Insulation and Sealants

CAUTION: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). For more information, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada. When air sealing buildings, ensure that combustion appliances, such as furnaces, water heaters, wood burning stoves, gas stoves and gas dryers, are properly vented to the outside. See website: <http://www.epa.gov/iaq/homes/hip-ventilation.html>.

GREAT STUFF PRO™ sealant and adhesive products contain isocyanate and a flammable blowing agent. Read the label and Safety Data Sheet carefully before use. Eliminate all sources of ignition before use. Wear long sleeves, gloves and safety glasses or goggles. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier, including Dow, can give assurance that mold will not develop in any specific system.

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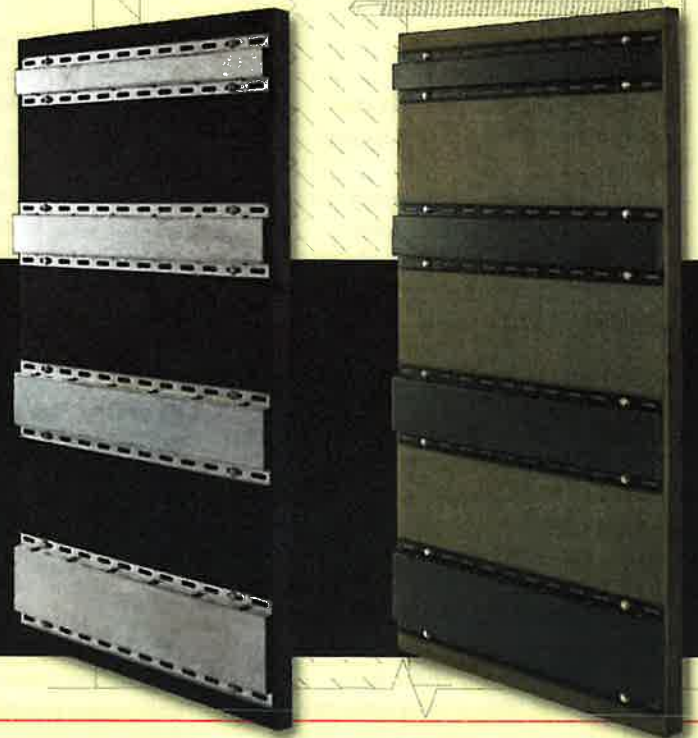
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178-00814 0116 CDP



KNIGHT
WALL SYSTEMS



KNIGHT WALL SYSTEMS

PANELRAIL™ :

Perforated Cladding Attachment Rails
for Use with Any Rainscreen.

With better drainage and ventilation, it's a rail designed with performance, durability and the installer in mind.

Knight Wall Systems offers its popular PanelRail™ attachment rails as standalone products for use with third-party and custom rainscreens—making this easy-to-install technology available to the broader construction market.

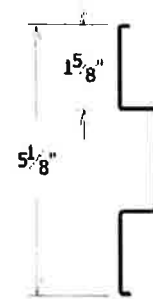
How does PanelRail work?

PanelRail can be employed as a second layer of rails to help accommodate different panel layouts and sizes to add depth, and can also be used in assemblies not requiring exterior insulation, where rails are installed directly over the substrate (steel studs with gypsum sheathing, wood studs with sheathing, CMU, etc.), enabling increased air flow behind the cladding while allowing water to drain efficiently.

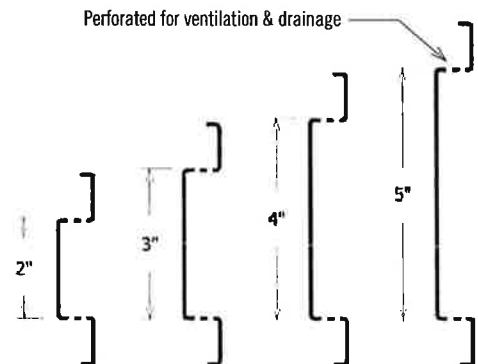


Profile Options

RevealRail™



PanelRail™



PanelRail and RevealRail advantages:

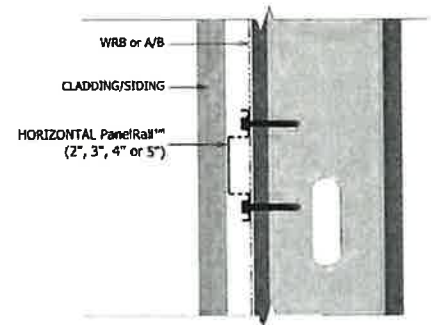
- Rails may be attached to substrate or other rails in a vertical or horizontal orientation
- Standard depth of 3/4" with face dimensions of 2", 3", 4" or 5"
- Regular perforation pattern means water won't accumulate and air is free to move
- Available in 18-gauge and 16-gauge
- High corrosive-resistant Zn-Al-Mg ZM40 coating for a long service life (vs. typical G90 galvanized steel)
- Available with a coil coated, black, PVDF finish (18-gauge)
- Project specific engineering available
- Limited 10-year warranty available
- Attach nearly any cladding with easy and efficient installation and detailing
- Wall anchors can be supplied

Where a typical furring channel would require a hole drilled in the field for the wall anchor, pre-punched holes on a PanelRail for the wall anchors make installation simple over CMU, concrete and wood studs – saving time and cutting labor costs.

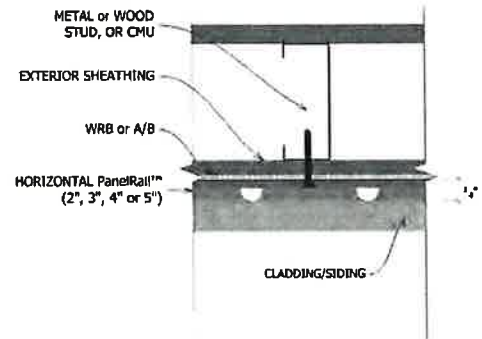
Knight Wall Systems' **PanelRail** & **RevealRail** have been typically used as a second layer of rails atop the CI® System, HCI™ System or MFI® System to help accommodate different panel layouts, sizes or add depth. Now Knight offers the same technology for rainscreens of all types!

PanelRail Direct to Substrate

Section View

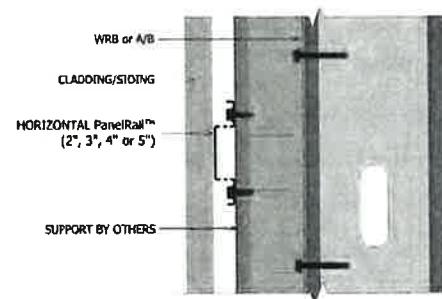


Plan View

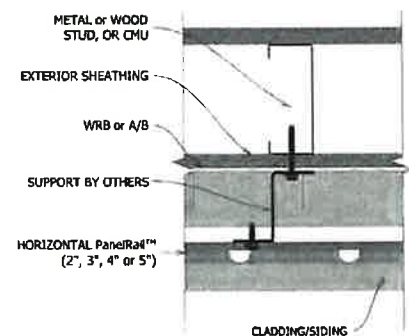


PanelRail With Other Assemblies

Section View



Plan View



KNIGHT WALL CAN CONTRIBUTE TO THE FOLLOWING USGBC LEED CREDITS:

- Energy & Atmosphere (EA) Prerequisite and Credit 1
- Materials & Resources (MR) Credits 4 and 5



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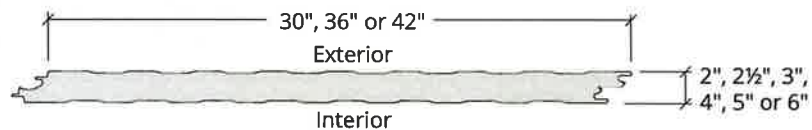
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509.262.0104

CI, CI-Girl, MFL, ThermoStop, PanelRail and RevealRail are trademarks of Knight Wall Systems, Inc. Patent 8,429,806 B2 and others pending.

INSULATED METAL PANELS

CF MESA

The CF Mesa panel is designed for interior wall partitions, interior ceilings and exterior wall applications. The appealing flat exterior and interior skins have a Light Mesa profile. The versatility of this panel allows for a uniform appearance from outside to inside and from room to room in partition applications.



Features and Benefits:

- The CF Mesa panel utilizes concealed clips and eliminates thermal short circuits.
- The standard exterior surface is 26, 24 or 22 gauge Galvalume® or Galvanized coated steel with silicone polyester or PVDF coatings.
- Insulated metal panels allow for fast assembly times and easy installation, resulting in reduced construction labor costs and earlier business starts.
- CF Mesa panel can be used for both interior and exterior applications.



Product Specifications

Applications: Wall

Coverage Widths: 30", 36", 42"

Thicknesses: 2", 2½", 3", 4", 5", 6"

Lengths: Recommended maximum is 50'

Attachment: Concealed fastening system

Insulation Material: Non-CFC foamed-in-place polyurethane foam cured to achieve a minimum density of 2.2 pounds

Accessories: Fasteners, sealants, standard and custom trim

Exterior Gauge: 26 (standard); 24, 22 (optional)

Interior Gauge: 26 (standard); 24, 22 (optional)

Exterior Finishes: Stucco-embossed, Mesa profile

Interior Finishes: Stucco-embossed, Mesa profile

Exterior Coatings: Signature® 200, Signature® 300, Applied Finishes

Interior Coating: Igloo White (standard)



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ADEL, GA | 888.514.6062
ATLANTA | 678.337.1619
ATWATER, CA | 209.445.3891

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PHOENIX | 480.630.3022

ROME, NY | 315.371.4330
SALT LAKE CITY | 385.715.2952
SAN ANTONIO | 210.888.9768

INSULATED METAL PANELS

CF MESA

CATEGORY	CHARACTERISTIC	TEST METHOD	PURPOSE	RESULT
ENVIRONMENTAL	Thermal Transmission	ASTM C518	Measure the heat transmission coefficient per unit thickness (k-factor)	0.140 BTU-in/hr-ft ² -° F (7.14/inch) at 75° F mean temperature 0.126 BTU-in/hr-ft ² -° F (7.94/inch) at 40° F mean temperature 0.118 BTU-in/hr-ft ² -° F (8.47/inch) at 20° F mean temperature
		ASTM C1363	Measures the resistance to heat flow (or R-Value) of a construction assembly in a guarded hot box	Varies up to R-8.5/inch of panel thickness at 40° F mean temperature (See Appendix A)
	Air Leakage Through Wall Panel Joints	ASTM E283	Determines the air leakage characteristics of metal wall panels under specified air pressure differences at ambient conditions	0.01 cfm/ft ² at 20 psf static pressure
	Water Penetration Through Wall Panel Joints	ASTM E331	Determines the resistance to water penetration of metal wall panels under uniform static air pressure difference	No uncontrolled water penetration through the panel joints at a static pressure of 20 psf
FOAM PROPERTIES	Foam Density	ASTM D1622	Determines the apparent density of rigid cellular plastics	2.3 pcf
	Foam Compressive Strength	ASTM D1621	Determines the behavior of cellular materials under compressive load	15 psi through-thickness 22 psi other directions
	Foam Tensile Strength	ASTM D1623	Measures the tensile strength of the foam from a cored sample	30 psi through-thickness 33 psi lowest any other direction
	Foam Shear Strength	ASTM C273	Measures the shear strength of the foam from a cored sample	16 psi lowest in any direction
FIRE RESISTANCE	Surface Burning Characteristics	ASTM E84	Provides comparative measurements of surface flame spread and smoke density measurements relative to that of select grade red oak and fiber-cement board surfaces under specific fire exposure conditions	Flame Spread index of 20, Smoke Developed index of 350
		FM 4880	Evaluates insulated roof and wall panels, interior finishes or coatings, and exterior wall systems for their performance in regard to fire	Class 1 Rating of wall and roof panels for use in unlimited height structures
	Room Fire Performance	NFPA 286	Fire tests for the flammability characteristics of wall and ceiling interior finishes	The Panels meet the criteria of the IBC Section 803.1.2.1
		CAN/ULC S101	Standard method of fire endurance tests of building construction and materials	The Panels provide 15-minute remain-in-place fire resistance rating
		CAN/ULC S102	Standard method of test for surface burning characteristics of building material and assemblies	Flame Spread index of 0 Smoke Developed Index of 45 Fuel Contributing Value of 0
	Wall Fire Performance	CAN/ULC S134	Standard method of fire test of exterior wall assemblies	The Panels meet the criteria published in the standard
		CAN/ULC S138	Standard method of test for fire growth of insulated building panels in a full-scale room configuration	The Panels meet the criteria published in the standard
STRUCTURAL	Uplift Resistance	ASTM E72 ASTM E330	Provides a standard procedure to evaluate or confirm structural performance under uniform static air pressure difference	See Load Chart Section
		ASTM E72	Tests the behavior of segments of wall construction under conditions representative of those encountered in service	See Load Chart Section
	Wall Performance – FM Global® (See Note 1 below)	FM 4881	Sets performance standards for panel walls including wind load resistance and hail resistance Requires a Class 1 rating by FM Global Standard 4880 as a prerequisite	See FM Global Approval Guide for Building Products complete listings

Notes:

1. Wall panels with textured coatings are not approved for the FM 4881 test method.



Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. In a continuing effort to refine and improve products, MBCI reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. To ensure you have the latest information available, please inquire or visit our website at www.mbc.com. Application details are for illustration purposes only and may not be appropriate for all environmental conditions, building designs or panel profiles. Projects should be designed to conform to applicable building codes, regulations and accepted industry practices. If there is a conflict between this manual and project erection drawings, the erection drawings will take precedence. MBCI's insulated metal panel product line is manufactured by Metl-Span®.

Feasibility Study for Envelope
Improvements at Police West &
Training Center



Appendix B

Cost Estimates

COST ESTIMATE - WORKSHEET



Feasibility Study for Envelope Improvements

POLICE WEST ROLL CALL BUILDING - Rainscreen

1795 Old Frankfort Pike, Lexington, Kentucky, Fayette County

lump sum = Ls

A.	General Façade Replacement Cost	Total Area:	12,762	sf
1.0	New Façade replacement system			
	a. Demo of existing EIFS, entire building to F.O. stud	\$1.25 /sf	12,762	\$15,952.50
	b. Dow Thermax poly-iso insulation board, 2"thk	\$4.89 /sf	12,762	\$62,406.18
	c. Dow Liquidarmor joint sealant	\$0.70 /sf	12,762	\$8,933.40
	d. Knight Panel Rail rainscreen system	\$4.25 /sf	12,762	\$54,238.50
	e. Technical service for Panel Rail system	\$3,400.00 Ls	1	\$3,400.00
	f. Metal Panel System, Prefin alum, uninsulated	\$8.74 /sf	12,762	\$111,539.88
	Sub-total:			\$256,470.46
2.0	Miscellaneous items			
	a. Architectural Sun Shade, fixed, prefin alum, 48"w	\$1,200.00 Ls	14	\$16,800.00
	b. Window & Door flashings	\$180.00 Ls	53	\$9,540.00
	c. Demo existing parapet coping system	\$2.25 /lf	350	\$787.50
	d. New parapet coping system, prefin alum	\$21.00 /lf	350	\$7,350.00
	e. Demo existing porch roofing system	\$2.75 /sf	324	\$891.00
	f. New PVC roofing system, front porch roof	\$18.00 /sf	324	\$5,832.00
	g. General modifications/flashings for penetrations	\$5,000.00 Ls	1	\$5,000.00
	h. Fasteners & clips	\$2,500.00 Ls	1	\$2,500.00
	Sub-total:			\$48,700.50
B.	Total Cost of Façade Replacement (1-2):			\$305,170.96
C.	Contractor General Conditions	\$10,000.00 Ls	1	\$10,000.00
	Total Contractor General Conditions:			\$10,000.00
D.	Total Contractor Overhead & Profit:		15%	\$45,775.64
E.	Total Project Cost - Façade Replacement + O&P (B+C+D)		\$ 28.28 /sf	\$360,946.60

COST ESTIMATE - WORKSHEET



Feasibility Study for Envelope Improvements POLICE WEST ROLL CALL BUILDING - IMP

1795 Old Frankfort Pike, Lexington, Kentucky, Fayette County

insulated metal panel = IMP

lump sum = Ls

A.	General Façade Replacement Cost	Total Area:	12,762	sf
1.0	New Façade replacement system			
a.	Demo of existing EIFS, entire building	\$1.25	sf	12,762 sf \$15,952.50
b.	New insulated mtl panel system, 2"thk. x 42"w, prefin alum, horiz. installation, (10) outside corners	\$6.83	/sf	12,762 sf \$87,164.46
c.	IMP installation labor	\$3.89	/sf	12,762 sf \$49,644.18
d.	Groove Sealant	\$0.22	/sf	12,762 sf \$2,743.83
e.	IMP technical service	\$5,800.00	Ls	1 ea \$5,800.00
f.	IMP delivery from factory	\$1,000.00	Ls	2 ea \$2,000.00
	Sub-total:			\$163,304.97
2.0	Miscellaneous items			
a.	Architectural Sun Shade, fixed, prefin alum, 48"w	\$1,200.00	Ls	14 ea \$16,800.00
b.	Window & Door flashings	\$180.00	Ls	53 ea \$9,540.00
c.	Demo existing parapet coping system	\$2.25	/lf	350 lf \$787.50
d.	New parapet coping system, prefin alum	\$21.00	/lf	350 lf \$7,350.00
e.	Demo existing porch roofing system	\$2.75	/sf	324 sf \$891.00
f.	New PVC roofing system, front porch roof	\$18.00	/sf	324 sf \$5,832.00
g.	General modifications/flashings for penetrations	\$5,000.00	Ls	1 ea \$5,000.00
h.	Fasteners & clips	\$2,500.00	Ls	1 ea \$2,500.00
	Sub-total:			\$48,700.50
B.	Total Cost of Façade Replacement (1-2):			\$212,005.47
C.	Contractor General Conditions	\$10,000.00	Ls	1 ea \$10,000.00
	Total Contractor General Conditions:			\$10,000.00
D.	Total Contractor Overhead & Profit:		15%	\$31,800.82
E.	Total Project Cost - Façade Replacement + O&P (B+C+D)		\$ 19.89 /sf	\$253,806.29

COST ESTIMATE - WORKSHEET



Feasibility Study for Envelope Improvements POLICE TRAINING CENTER - Rainscreen

1799 Old Frankfort Pike, Lexington, Kentucky, Fayette County

lump sum = Ls

A.	General Façade Replacement Cost	Total Area:	14,127 sf	
1.0	New Façade replacement system			
a.	Demo of existing EIFS, entire building to F.O. stud	\$1.25 /sf	14,127 sf	\$17,658.75
b.	Dow Thermax poly-iso insulation board, 2"thk	\$4.89 /sf	14,127 sf	\$69,081.03
c.	Dow Liquidarmor joint sealant	\$0.70 /sf	14,127 sf	\$9,888.90
d.	Knight Panel Rail rainscreen system	\$4.25 /sf	14,127 sf	\$60,039.75
e.	Technical service for Panel Rail system	\$3,400.00 Ls	1 ea	\$3,400.00
f.	Metal Panel System, Prefin alum, uninsulated	\$8.74 /sf	14,127 sf	\$123,469.98
	Sub-total:			\$283,538.41
2.0	Miscellaneous items			
a.	Architectural Sun Shade, fixed, prefin alum, 48"w	\$1,200.00 Ls	21 ea	\$25,200.00
b.	Window & Door flashings	\$180.00 Ls	43 ea	\$7,740.00
c.	Demo existing exterior egress stairs	\$500.00 Ls	2 ea	\$1,000.00
d.	New exterior egress stairs, steel, HDG	\$2,700.00 Ls	2 ea	\$5,400.00
e.	General modifications/flashings for penetrations	\$7,500.00 Ls	1 ea	\$7,500.00
f.	Fasteners & clips	\$3,000.00 Ls	1 ea	\$3,000.00
	Sub-total:			\$16,900.00
B.	Total Cost of Façade Replacement (1-2):			\$300,438.41
C.	Contractor General Conditions	\$10,000.00 Ls	1 ea	\$10,000.00
	Total Contractor General Conditions:			\$10,000.00
D.	Total Contractor Overhead & Profit:		15%	\$45,065.76
E.	Total Project Cost - Façade Replacement + O&P (B+C+D)		\$ 25.16 /sf	\$355,504.17

COST ESTIMATE - WORKSHEET



Feasibility Study for Envelope Improvements POLICE TRAINING CENTER - IMP

1799 Old Frankfort Pike, Lexington, Kentucky, Fayette County

insulated metal panel = IMP

lump sum = Ls

A.	General Façade Replacement Cost		Total Area:	14,127	sf	
1.0	New Façade replacement system					
	a. Demo of existing EIFS, entire building	\$1.25	sf	14,127	sf	\$17,658.75
	b. New insulated mtl panel system, 2"thk. x 42"w, prefin alum, vert. installation, (14) outside corners	\$6.83	/sf	14,127	sf	\$96,487.41
	c. IMP installation labor	\$3.89	/sf	14,127	sf	\$54,954.03
	d. Groove Sealant	\$0.22	/sf	14,127	sf	\$3,037.31
	e. IMP technical service	\$5,800.00	Ls	1	ea	\$5,800.00
	f. IMP delivery from factory	\$1,000.00	Ls	2	ea	\$2,000.00
	Sub-total:					\$179,937.50
2.0	Miscellaneous items					
	a. Architectural Sun Shade, fixed, prefin alum, 48"w	\$1,200.00	Ls	21	ea	\$25,200.00
	b. Window & Door flashings	\$180.00	Ls	43	ea	\$7,740.00
	c. Demo existing exterior egress stairs	\$500.00	Ls	2	ea	\$1,000.00
	d. New exterior egress stairs, steel, HDG	\$2,700.00	Ls	2	ea	\$5,400.00
	e. General modifications/flashings for penetrations	\$7,500.00	Ls	1	ea	\$7,500.00
	f. Fasteners & clips	\$3,000.00	Ls	1	ea	\$3,000.00
	Sub-total:					\$16,900.00
B.	Total Cost of Façade Replacement (1-2):					\$196,837.50
C.	Contractor General Conditions	\$10,000.00	Ls	1	ea	\$10,000.00
	Total Contractor General Conditions:					\$10,000.00
D.	Total Contractor Overhead & Profit:			15%		\$29,525.62
E.	Total Project Cost - Façade Replacement + O&P (B+C+D)			\$ 16.73	/sf	\$236,363.12

Feasibility Study for Envelope Improvements at Police West & Training Center



Appendix C

International Energy Conservation Code
Table C402.2

TABLE C402.2 OPAQUE THERMAL ENVELOPE REQUIREMENTS^a

CLIMATE ZONE	1		2		3		4 EXCEPT MARINE		5 AND MARINE 4		6		7		8	
	All Other	Group R	All Other	Group R	All Other	Group R	All Other	Group R	All Other	Group R	All Other	Group R	All Other	Group R	All Other	Group R
Insulation entirely above deck	R-20ci	R-20ci	R-20ci	R-20ci	R-20ci	R-20ci	R-25ci	R-25ci	R-25ci	R-30ci	R-35ci	R-35ci	R-35ci	R-35ci	R-35ci	R-35ci
Metal buildings (with R-5 thermal blocks) ^{b,c}	R-19 + R-11 LS	R-19 + R-11 LS	R-19 + R-11 LS	R-19 + R-11 LS	R-19 + R-11 LS	R-19 + R-11 LS	R-19 + R-11 LS	R-19 + R-11 LS	R-19 + R-11 LS	R-25 + R-11 LS	R-30 + R-11 LS	R-30 + R-11 LS	R-30 + R-11 LS	R-30 + R-11 LS	R-30 + R-11 LS	R-30 + R-11 LS
Attic and other	R-38	R-38	R-38	R-38	R-38	R-38	R-38	R-38	R-38	R-49	R-49	R-49	R-49	R-49	R-49	R-49
Roofs																
Walls, Above Grade																
Mass	R-5.7ci ^f	R-5.7ci ^f	R-5.7ci ^f	R-7.6ci	R-9.5ci	R-9.5ci	R-11.4ci	R-11.4ci	R-13.3ci	R-13.3ci	R-13.3ci	R-15.2ci	R-15.2ci	R-15.2ci	R-25ci	R-25ci
Metal building	R-13 + R-6.5ci	R-13 + R-6.5ci	R-13 + R-6.5ci	R-13ci	R-13ci	R-13ci	R-13ci	R-13ci	R-13ci	R-13ci	R-13ci	R-13ci	R-13ci	R-13ci	R-13 + R-19.5ci	R-13 + R-19.5ci
Metal framed	R-13 + R-5ci	R-13 + R-5ci	R-13 + R-5ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-13 + R-17.5ci	R-13 + R-17.5ci
Wood framed and other	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-3.8ci or R-20	R-13 + R-15.6ci or R-20 + R-10ci	R-13 + R-15.6ci or R-20 + R-10ci
Below-grade wall ^d	NR	NR	NR	NR	NR	NR	R-7.5ci	R-7.5ci	R-7.5ci	R-7.5ci	R-7.5ci	R-7.5ci	R-7.5ci	R-10ci	R-10ci	R-12.5ci
Floors																
Mass	NR	NR	R-6.3ci	R-10ci	R-10ci	R-10ci	R-10.4ci	R-10ci	R-12.5ci	R-12.5ci	R-12.5ci	R-12.5ci	R-12.5ci	R-15ci	R-15ci	R-16.7ci
Joist/framing	NR	NR	R-30	R-30	R-30	R-30	R-30	R-30	R-30	R-30	R-30	R-30	R-30	R-30 ^f	R-30 ^f	R-30 ^f
Slab-on-Grade Floors																
Unheated slabs	NR	NR	NR	NR	NR	NR	R-10 for 24" below	R-10 for 24" below	R-10 for 24" below	R-10 for 24" below	R-10 for 24" below	R-15 for 24" below	R-15 for 24" below	R-15 for 24" below	R-20 for 24" below	R-20 for 24" below
Heated slabs ^d	R-7.5 for 12" below	R-7.5 for 12" below	R-7.5 for 12" below	R-10 for 24" below	R-10 for 24" below	R-10 for 24" below	R-15 for 24" below	R-15 for 24" below	R-15 for 36" below	R-15 for 36" below	R-15 for 36" below	R-20 for 48" below	R-20 for 48" below	R-20 for 48" below	R-20 for 48" below	R-20 for 48" below
Opaque Doors																
Swinging	U-0.61	U-0.61	U-0.61	U-0.61	U-0.61	U-0.61	U-0.61	U-0.61	U-0.37	U-0.37	U-0.37	U-0.37	U-0.37	U-0.37	U-0.37	U-0.37
Roll-up or sliding	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75	R-4.75

For SI: 1 inch = 25.4 mm. ci = Continuous insulation. NR = No requirement.
 LS = Liner System—A continuous membrane installed below the purlins and uninterrupted by framing members. Uncompressed, unfaced insulation rests on top of the membrane between the purlins.
 a. Assembly descriptions can be found in ANSI/ASHRAE/IESNA Appendix A.
 b. Where using R-value compliance method, a thermal spacer block shall be provided, otherwise use the U-factor compliance method in Table C402.1.2.
 c. R-5.7ci is allowed to be substituted with concrete block walls complying with ASTM C 90, ungrouted or partially grouted at 32 inches or less on center vertically and 48 inches or less on center horizontally, with ungrouted cores filled with materials having a maximum thermal conductivity of 0.44 Btu-in/h-ft² °F.
 d. Where heated slabs are below grade, below-grade walls shall comply with the exterior insulation requirements for heated slabs.
 e. Steel floor joist systems shall be insulated to R-38.

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staying small
performing large

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Kell D. Pollard Assoc. AIA, LEED AP, Partner
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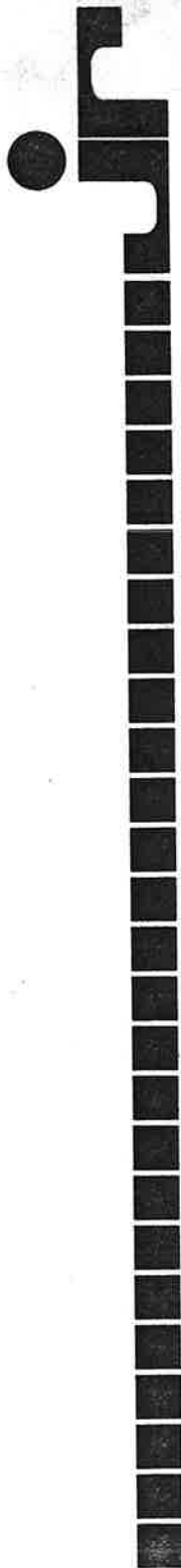


RFP ATTACHMENT: E
Existing Plans - Record Documents

ROLL CALL CENTER

FOR THE

LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
LEXINGTON, KENTUCKY



JOHNSON / ROMANOWITZ / ARCHITECTS + PLANNERS
LEXINGTON, KENTUCKY
LOUISVILLE, KENTUCKY

JERRY A. TAYLOR AND ASSOCIATES, INC.
STRUCTURAL ENGINEERS
LEXINGTON, KENTUCKY

CONGLETON - MORRIS - THORUP + ASSOCIATES, INC.
CONSULTING ENGINEERS
LEXINGTON, KENTUCKY

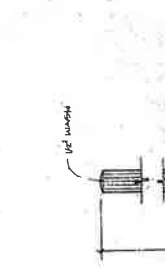
Not a contract. This is a roll call of firms that have been invited to submit proposals for the project. It is not intended to be a contract. It is for informational purposes only. The roll call is subject to change without notice.

ROLL CALL CENTER
FOR THE
OLD FARMPORT PIKE
LEXINGTON, KENTUCKY

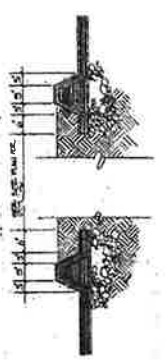


JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 800 EAST FIVE CENTER
 LEXINGTON, KY 40502
 (606) 253-7888

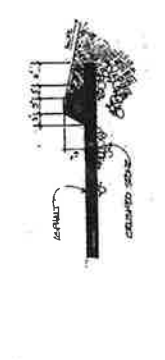
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DATE	2/14/01
SCALE	AS SHOWN
DRAWING A1.2	



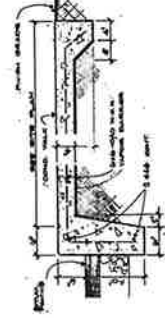
A DETAIL
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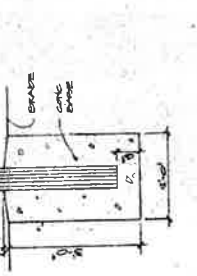
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SCALE 1/4" = 1'-0"



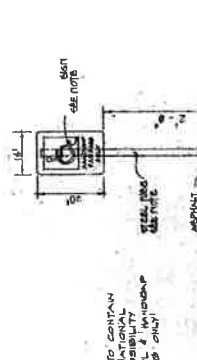
C DETAIL
SCALE 1/4" = 1'-0"



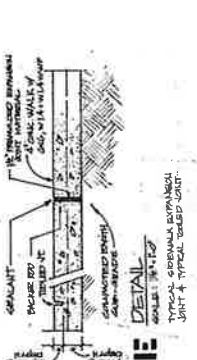
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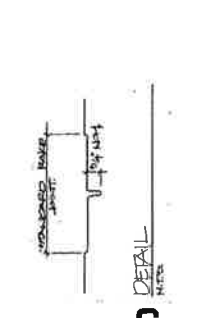
E DETAIL
SCALE 1/4" = 1'-0"



F DETAIL
SCALE 1/4" = 1'-0"



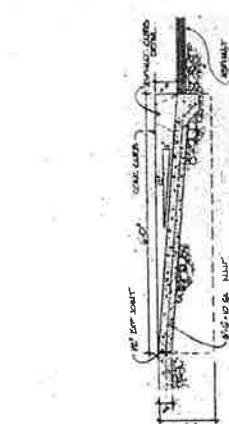
G DETAIL
SCALE 1/4" = 1'-0"



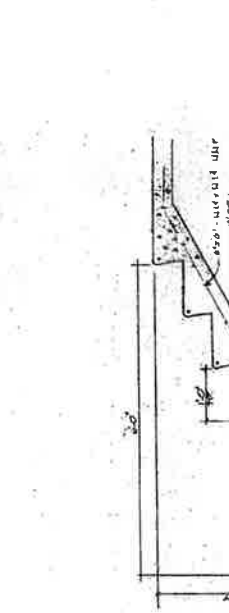
H DETAIL
SCALE 1/4" = 1'-0"

PIPE COLLARD
SCALE 1/4" = 1'-0"

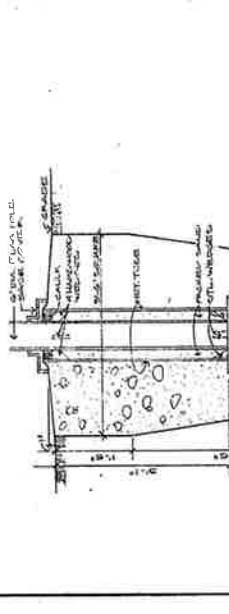
HANDICAPPED EXTERIOR RAMPING SIGHT
SCALE 1/4" = 1'-0"



I SECTION
SCALE 1/4" = 1'-0"



J SECTION
SCALE 1/4" = 1'-0"



K SECTION
SCALE 1/4" = 1'-0"

FLAGPOLE BASE
SCALE 1/4" = 1'-0"

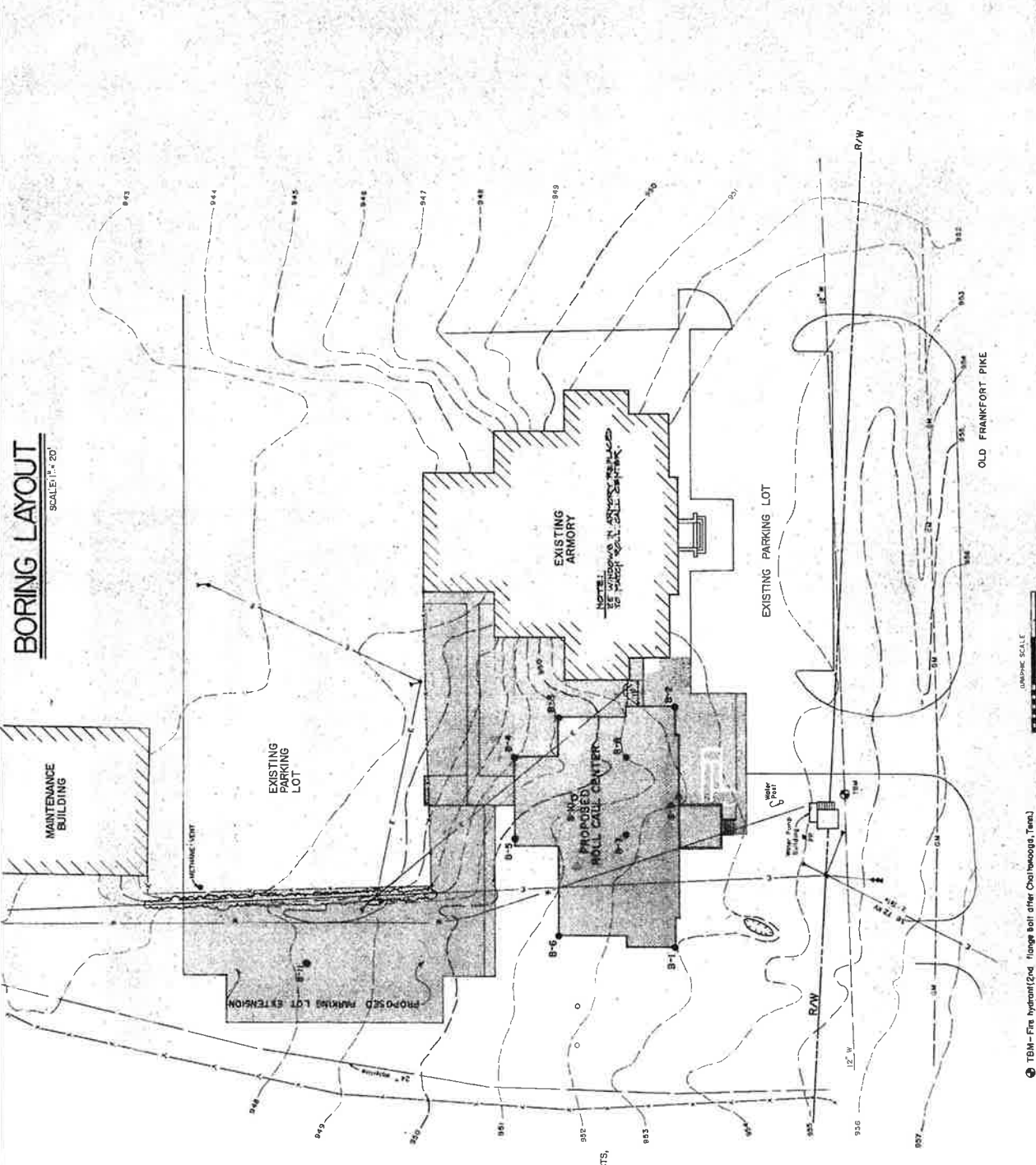
NOTES:
1. ALL DIMENSIONS UNLESS OTHERWISE NOTED.
2. ALL MATERIALS SHALL BE AS SHOWN OR APPROVED BY THE ARCHITECT.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
4. ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ARCHITECT.

NOTES:
1. ALL DIMENSIONS UNLESS OTHERWISE NOTED.
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4. ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ARCHITECT.

NOTES:
1. ALL DIMENSIONS UNLESS OTHERWISE NOTED.
2. ALL MATERIALS SHALL BE AS SHOWN OR APPROVED BY THE ARCHITECT.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
4. ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ARCHITECT.

NOTES:
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3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
4. ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ARCHITECT.



BORING LAYOUT
 SCALE 1" = 20'



NOTE: TBM, TOPOGRAPHY, AND UTILITY LOCATIONS
 SUPPLIED BY JOHNSON-RODMANOWITZ ARCHITECTS,
 INC.

- LEGEND**
- Soundings Location
 - Borings Location
 - ▭ Proposed Area
 - GM Gas Main
 - E Electricity
 - W Water
 - UTILITY POLE
 - FENCE



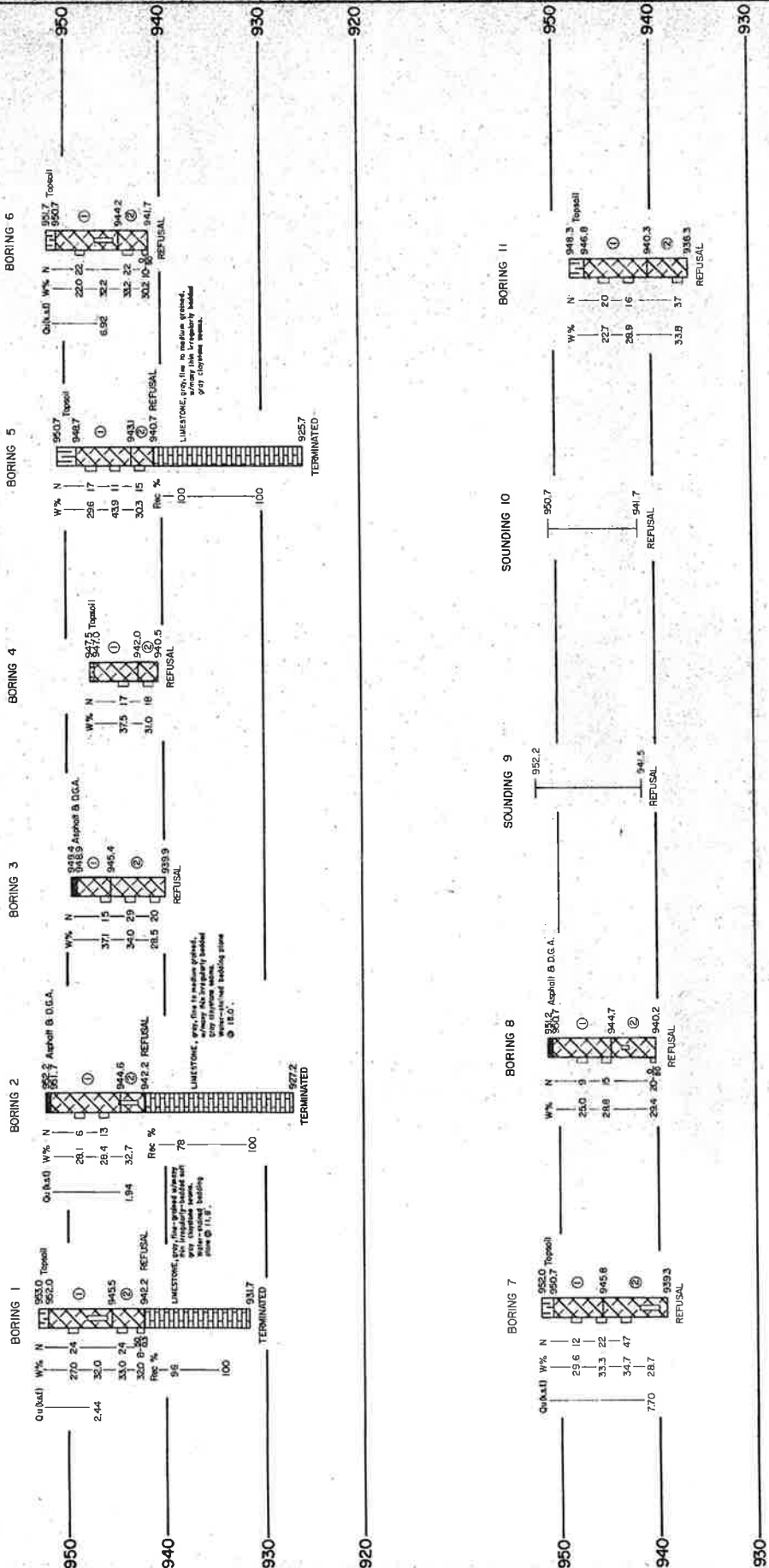
● TBM - Fire Hydrant (see change list after Chubbwong, Tenn.)
 ELEV. 957.57'

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LOGS OF BORINGS

SCALE: 1" = 5'



- LEGEND**
- Standard Penetration Test Location
 - Thin Wall Test Tube
 - N Standard Penetration Resistance
 - W % Moisture Content
 - Q_u Unconfined Compressive Strength (k.s.f.)
 - Rec % Rock Recovery

- DESCRIPTIONS**
- ① SILTY CLAY, REDDISH BROWN, DAMP TO MOIST, MEDIUM TO STIFF, MODERATE PLASTICITY, WITH PHOSPHATE NODULES.
 - ② SILTY CLAY, BROWN AND TAN, MOIST, STIFF TO VERY STIFF, MODERATE PLASTICITY, WITH NUMEROUS HIGHLY WEATHERED LIMESTONE FRAGMENTS.

THIS DRAWING SHOWS THE LOCATION OF THE BORINGS AND THE TEST RESULTS. THE BORINGS WERE MADE BY THE CONSULTING ENGINEER.

ROLL CALL CENTER
for the
LEADTON - FAYETTE URBAN COUNTY GOVERNMENT
OLD FARMPORT PKE
LEADTON, KENTUCKY



JOHNSON/ROMANOWITZ ARCHITECTS & PLANNERS
10000
LEADTON, KY 40323
PH: 502-233-1111

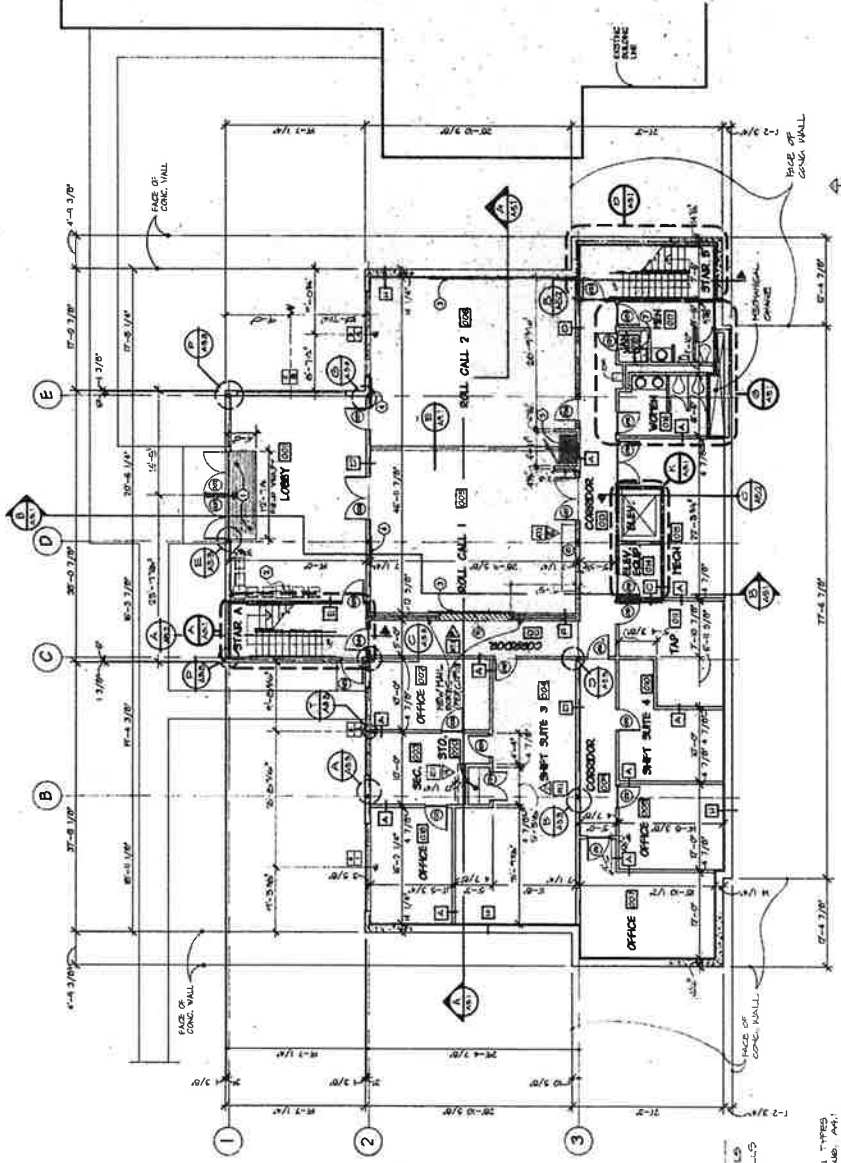
DATE	1/27/81
BY	JRM
CHECKED	JRM
DATE	2/2/81
BY	JRM
CHECKED	JRM

AMONG ALIEN WORK
PRACTICE TYPES

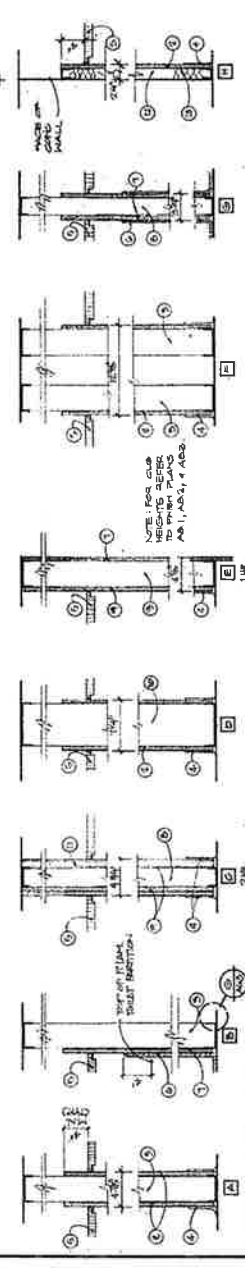
DRAWING

O KEYED NOTES

1. RECESSED ENTRY MAT - SEE DETAIL #A-2
2. FINISH FLOORING LOCATION
3. 1/2" DEEP FINGER BOARD
4. 1/2" DEEP FINGER BOARD
5. FINISH PANEL WALL - SEE DETAIL #A-3
6. 2" DEEP PLASTIC LAMINATE CHAIRS
7. 1/2" DEEP PLASTIC LAMINATE CHAIRS
8. 1/2" DEEP PLASTIC LAMINATE CHAIRS
9. 1/2" DEEP PLASTIC LAMINATE CHAIRS
10. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
11. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
12. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
13. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
14. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
15. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
16. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
17. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
18. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
19. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
20. PLASTIC LAMINATE RECEPTION DESK - SEE
SCHEDULE PLAN 11/11
21. LIGHT WEIGHT CONCRETE ON RETAIL DECK (TYP)
22. STAIR AND LIFT - FOR STAIRS REFER TO
SCHEDULE PLAN 11/11
23. STAIR AND LIFT - FOR STAIRS REFER TO
SCHEDULE PLAN 11/11
24. STAIR AND LIFT - FOR STAIRS REFER TO
SCHEDULE PLAN 11/11
25. STAIR AND LIFT - FOR STAIRS REFER TO
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40. STAIR AND LIFT - FOR STAIRS REFER TO
SCHEDULE PLAN 11/11
41. STAIR AND LIFT - FOR STAIRS REFER TO
SCHEDULE PLAN 11/11
42. STAIR AND LIFT - FOR STAIRS REFER TO
SCHEDULE PLAN 11/11
43. STAIR AND LIFT - FOR STAIRS REFER TO
SCHEDULE PLAN 11/11



A GROUND FLOOR PLAN



PARTITION TYPES

- 1. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 2. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 3. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 4. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 5. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 6. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 7. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 8. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 9. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 10. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 11. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 12. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 13. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 14. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 15. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 16. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 17. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 18. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 19. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 20. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 21. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 22. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 23. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 24. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 25. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 26. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 27. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 28. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 29. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 30. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 31. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 32. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 33. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 34. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 35. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 36. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 37. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 38. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 39. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 40. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 41. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 42. 1/2" DEEP PLASTIC LAMINATE CHAIRS
- 43. 1/2" DEEP PLASTIC LAMINATE CHAIRS

LEGEND

1. 1/2" DEEP PLASTIC LAMINATE CHAIRS

2. 1/2" DEEP PLASTIC LAMINATE CHAIRS

NOTE: FOR A VERTICAL SECTION REFER TO PLAN 11/11

DATE: 1/27/81
BY: JRM
CHECKED: JRM
DATE: 2/2/81
BY: JRM
CHECKED: JRM

LEXINGTON - FAYETTE COUNTY GOVERNMENT
 OLD FAYETTE PLE
 ROLL CALL CENTER
 FOR THE



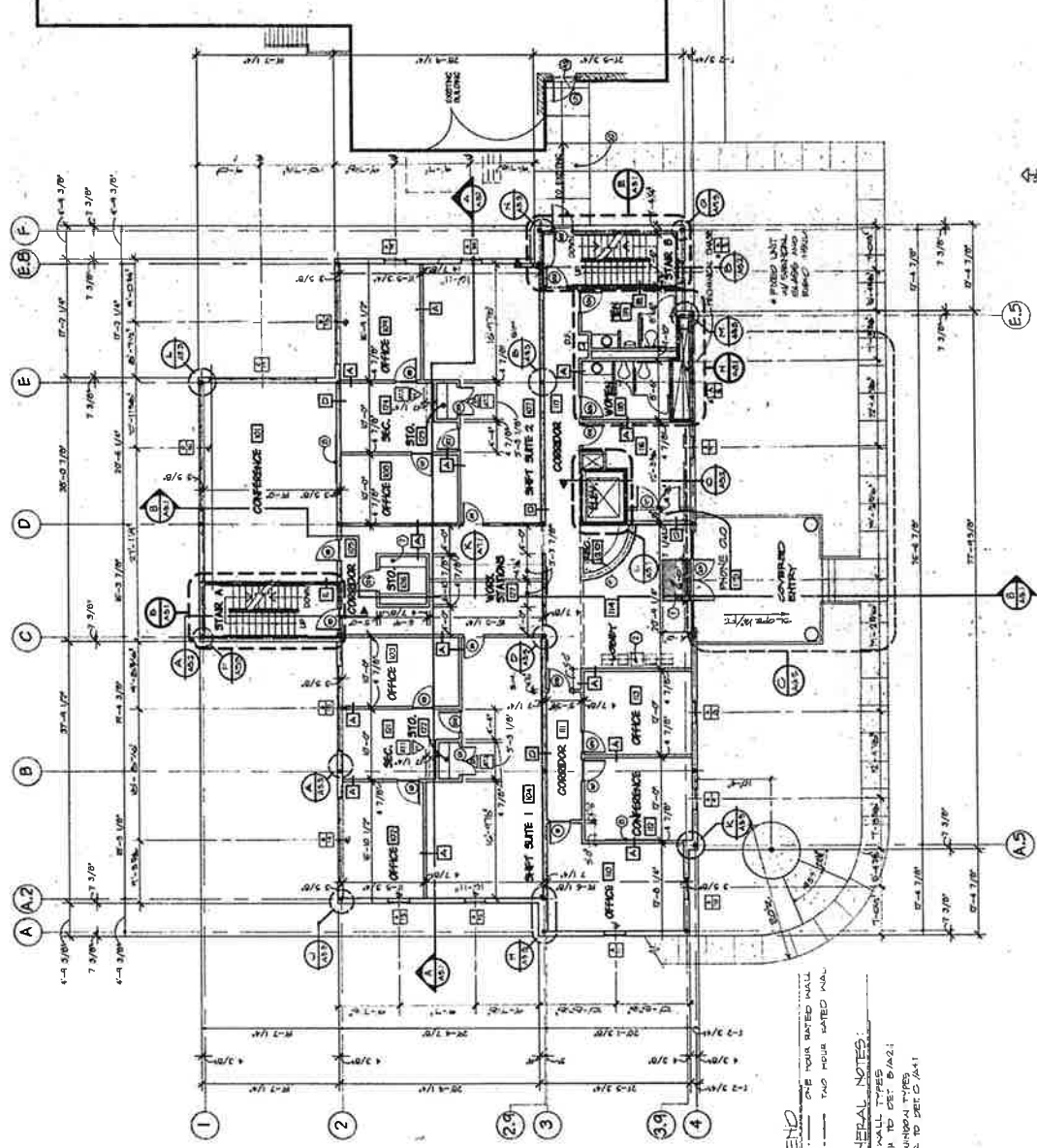
JOHNSON ROMNOWITZ ARCHITECTS & PLANNERS
 1000 EAST LEXINGTON AVENUE
 LEXINGTON, KY 40502
 (606) 253-1111

DATE	PROJECT
NO. REV.	NAME
CHECKED	DATE
BY	BY
SCALE	SCALE
FIRST FLOOR PLAN	

DRAWING
 100

KEYED NOTES

1. DECORATED BRICK UNIT - SEE DETAIL 1/10.5
2. "MURPHY" GRANITE LOCATION
3. 2" x 4" FINGER BOARD
4. 4" x 4" FINGER BOARD
5. FLOORING PANEL WALL - SEE DETAIL
6. 2" x 4" PLASTIC LAMINATE CASING WITH 1/2" RADIUS CORNER AND 1/2" RADIUS MITER
7. 8" DEEP BEILING - SEE DETAIL 2/11.1
8. 8" x 8" FINGER BOARD
9. 8" x 8" FINGER BOARD
10. MORTAR ALTERNATE NO. 4 - NEW CONCREDE VALUITY TO EXISTING MASONRY BEARING.
11. MASON FINISHES LOCATION - N.C.
12. FLOOR FINISH LOCATION
13. 8" x 8" TRIM BOARD
14. 1/2" x 1/2" x 1/2" BRICK WITH POINT OF GRADING TO BE 3" OF A.S.T. SEE DETAIL 1/10.5
15. HALL BOX LOCATION - SEE ELEVATION 1/10.1
16. EXTERIOR INSULATION & FINISH STARTER ON 1/2" EXTERIOR FINISHING
17. FINISHES WALL (SEE STRUCTURAL DRAWINGS)
18. 4" x 8" METAL STUDS @ 16" O.C.
19. 4" CONCRETE SLAB ON VAPOR BARRIER AND 4" OF CORDED STONE (TYP)
20. ADDITIONAL CRACK FILL 2" x 2" JOINT FROM FLOOR FINISH TO 1/2" AND A.S.T. STRUCTURAL FINISHES TO
21. 1/2" EXTERIOR FINISHES TO
22. 6" METAL STUDS @ 16" O.C. (TYP)
23. 6" METAL STUDS @ 16" O.C. (TYP)
24. 5/8" CIP. BOARD (TYP)
25. ALUMINUM WINDOW - REFER TO WINDOW TYPES ON DRAWING 1/10.1
26. 4" VAPOR BARRIER - FOR LOCATIONS REFER TO WINDOW TYPES ON DRAWING 1/10.1
27. 5/8" PLASTIC LAMINATE SL. - SEE DETAIL 1/10.5
28. 2" x 4" WOOD BLOCK (TYP)
29. 3" x 6" METAL STUDS @ 16" O.C.
30. 1/2" EXPANDED JOINT INSULATION (TYP)
31. VAPOR BARRIER (TYP)
32. CONT. 4" DIA. POLYURETHANE DRAIN (TYP)
33. 1" x 1" BRICK INSULATION (TYP)
34. 2" x 4" METAL STUDS @ 16" O.C.
35. STAIR BALUST - REFER TO STRUCTURAL DRAWINGS
36. 1/2" INSULATED BRICK ON 1/2" OF CONCRETE (TYP)
37. 6" CONCRETE VERTICAL WALL - REFER TO STRUCTURAL DRAWINGS
38. 4" THICK CONCRETE SLAB ON VAPOR BARRIER AND 4" OF CORDED STONE (TYP) - REFER TO DRAWING 1/10.5
39. 4" THICK CONCRETE SLAB ON VAPOR BARRIER AND 4" OF CORDED STONE (TYP) - REFER TO DRAWING 1/10.5
40. 4" THICK CONCRETE SLAB ON VAPOR BARRIER AND 4" OF CORDED STONE (TYP) - REFER TO DRAWING 1/10.5
41. 5/8" x 5/8" CYPHER BRICK ON 4" OF CORDED STONE
42. 4" CONCRETE SLAB ON 4" OF CORDED STONE
43. 4" x 4" VAPOR BARRIER - REFER TO DRAWING 1/10.5
44. WALL - REFER TO CORRESPONDING DRAWING 1/10.5



LEGEND
 ONE HOUR RATED WALL
 TWO HOUR RATED WALL

GENERAL NOTES
 1. FOR WALL TYPES REFER TO DET. 1/10.1
 2. FOR WINDOW TYPES REFER TO DET. 1/10.1

A FIRST FLOOR PLAN
 1/10.1-1/10.2

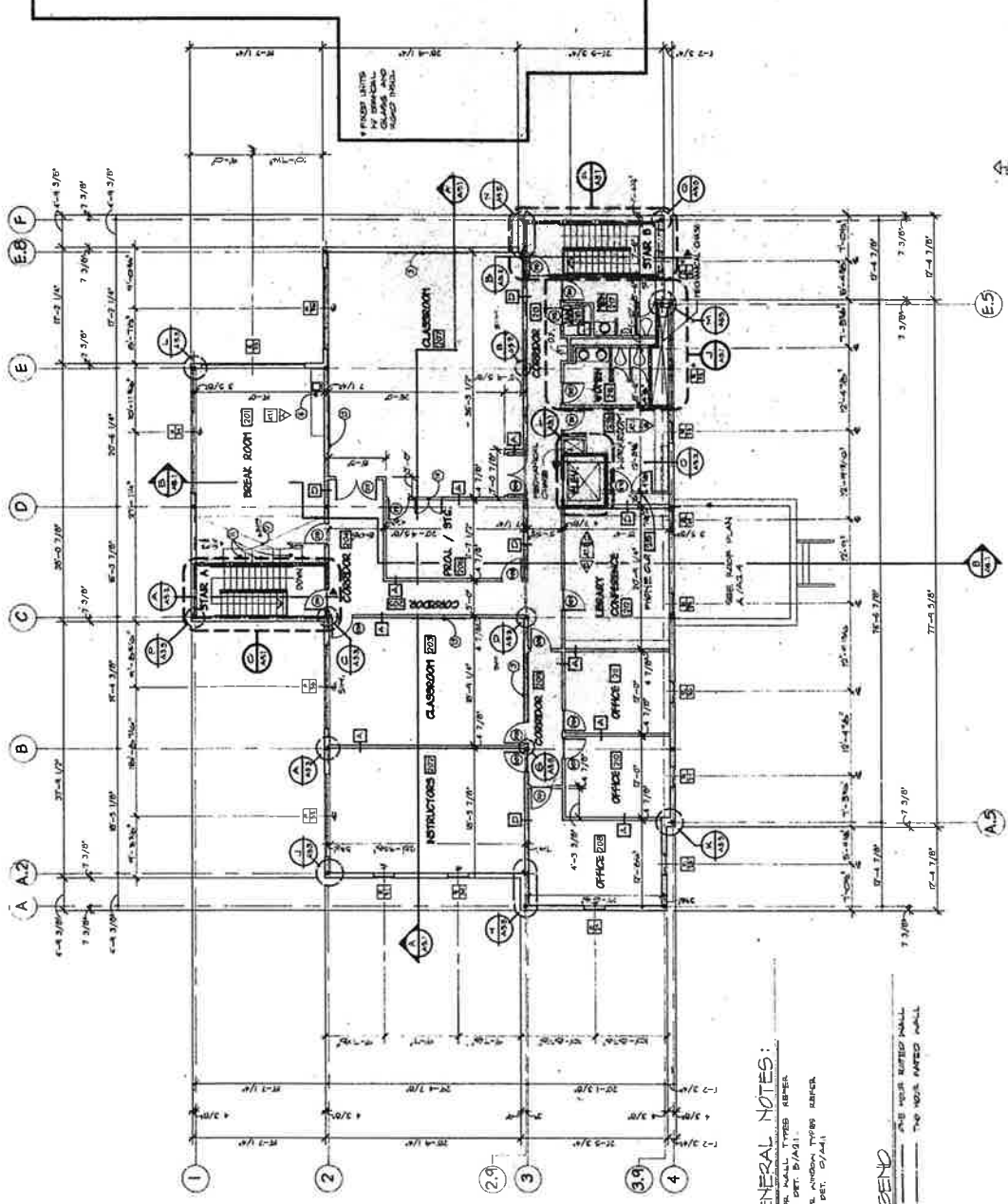
DRAWING
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DATE	REVISION

KEYED NOTES

1. RECESSED ENTRY UNIT - SEE DETAIL F/10.1
2. TRANSOM - SEE DETAIL F/10.1
3. 4'-0" FACE BOARD
4. 4'-0" FACE BOARD
5. FLOORING PANEL WALL - SEE DETAIL B/1.1
6. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
7. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
8. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
9. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
10. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
11. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
12. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
13. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
14. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
15. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
16. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
17. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
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22. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
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24. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
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40. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
41. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
42. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
43. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
44. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
45. 2x4 DEEP SHELVE - SEE DETAIL B/1.1



A SECOND FLOOR PLAN
 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO DETAIL B/1.1 FOR WINDOW SCHEDULE
2. REFER TO DET. B/1.1 FOR WINDOW SCHEDULE
3. REFER TO DET. B/1.1 FOR WINDOW SCHEDULE

LEGEND

- 1. 2x4 DEEP SHELVE - SEE DETAIL B/1.1
- 2. 2x4 DEEP SHELVE - SEE DETAIL B/1.1

DATE: 9/28/07
 DRAWING NO.: A2-3

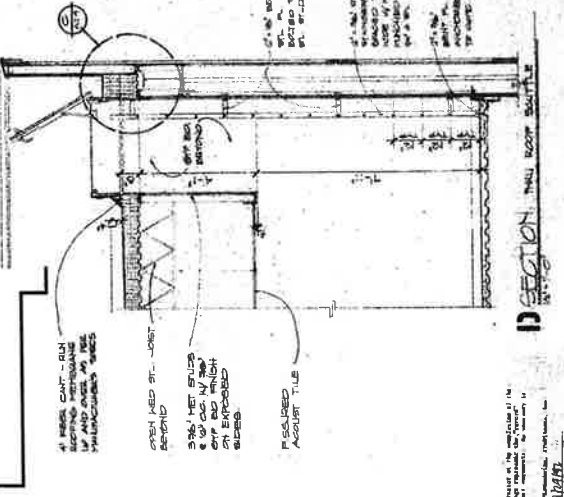
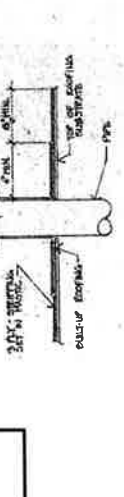
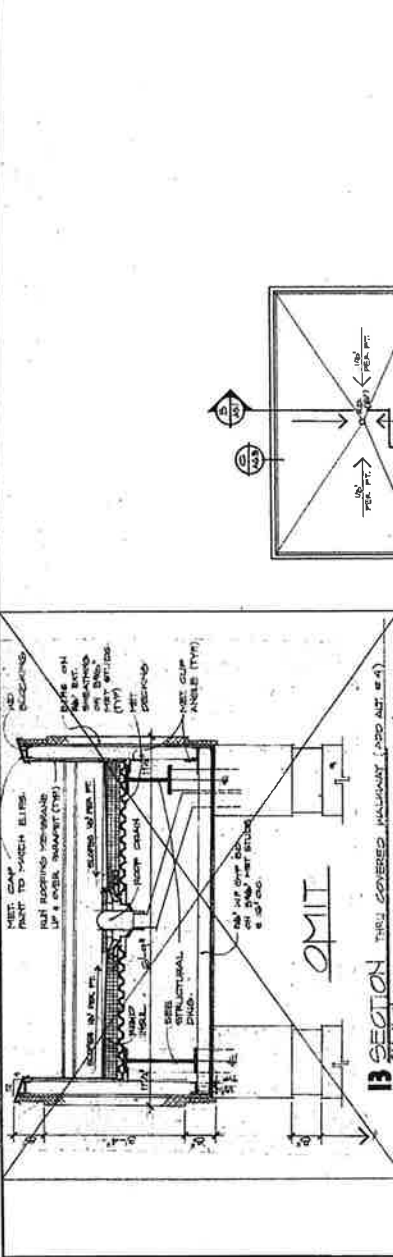
LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 OLD FRANKFORT PIKE
 LEXINGTON, KENTUCKY



JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 10000 STATE STREET
 LEXINGTON, KY 40503
 502-261-1111

DATE	PROJECT
DESIGNED BY	NO. 10000
CHECKED BY	2/1/74
DRAWING	
DETAILS	
DESCRIPTION	

ROLL CALL CENTER
 For the



A ROOF PLAN
 16'-0" x 12'-0"

THIS DRAWING IS A PRELIMINARY DESIGN AND IS SUBJECT TO CHANGE WITHOUT NOTICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT.

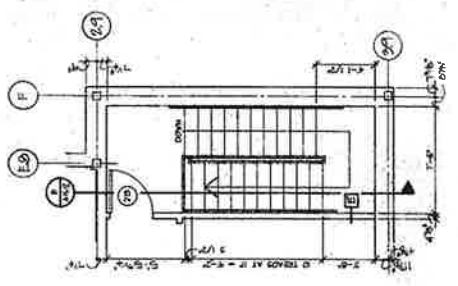
ROLL CALL CENTER
 FOR THE
 LEXINGTON - FAYETTE COUNTY GOVERNMENT
 600 FRANKFORT PIKE
 LEXINGTON, KENTUCKY



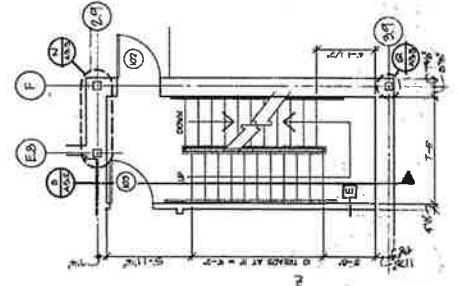
JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 1400 COMMONWEALTH BLVD., SUITE 200
 LEXINGTON, KY 40502
 (606) 253-1234

DATE	DESCRIPTION
10/15/24	ISSUED FOR PERMIT
08/15/24	ISSUED FOR CONSTRUCTION
05/15/24	ISSUED FOR REVIEW
02/15/24	ISSUED FOR DESIGN

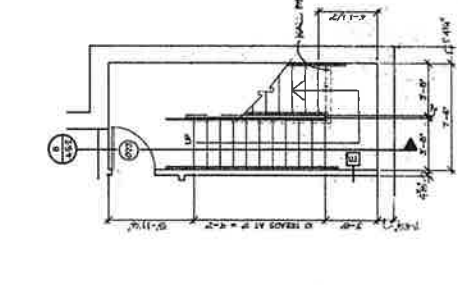
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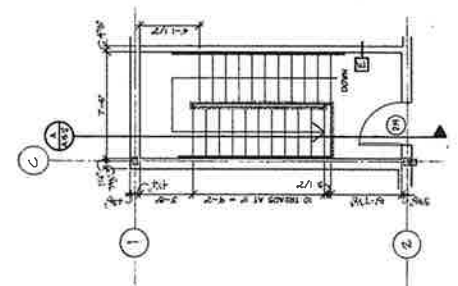
A SECOND FLOOR
 1/4" = 1'-0"



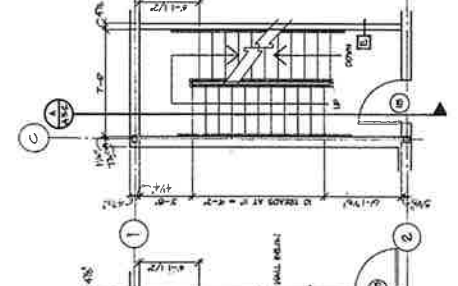
B FIRST FLOOR
 1/4" = 1'-0"



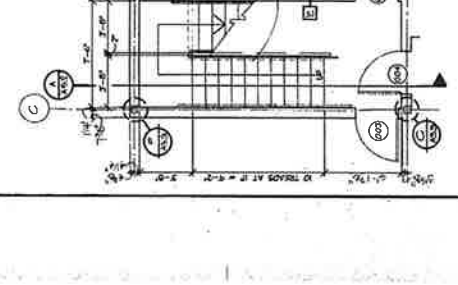
C GROUND FLOOR
 1/4" = 1'-0"



D SECOND FLOOR
 1/4" = 1'-0"

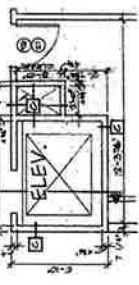


E FIRST FLOOR
 1/4" = 1'-0"

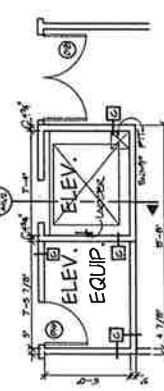


F SECOND FLOOR
 1/4" = 1'-0"

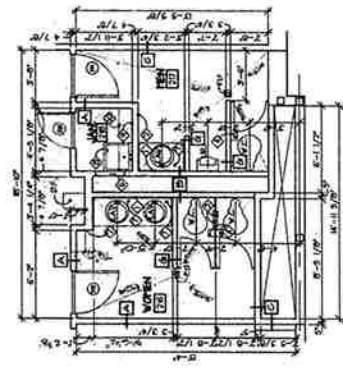
ENLARGED STAIR PLAN (STAIR B)



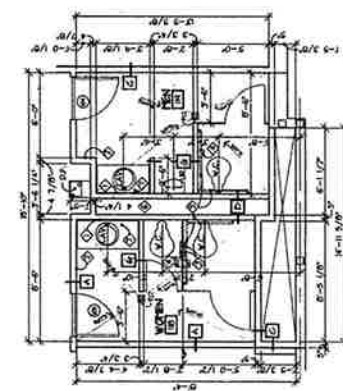
L SECOND FLOOR STAIR
 1/4" = 1'-0"



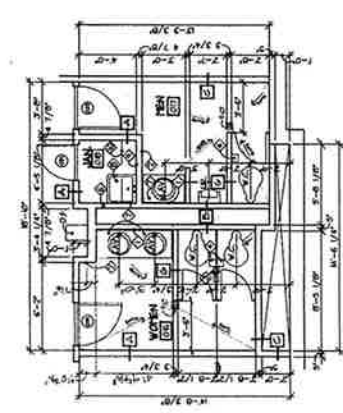
K GROUND FLOOR
 1/4" = 1'-0"



J SECOND FLOOR
 1/4" = 1'-0"



H FIRST FLOOR
 1/4" = 1'-0"



G GROUND FLOOR
 1/4" = 1'-0"

ENLARGED TOILET PLANS

- TOILET ROOM ACCESSORIES**
- 1. REBAR
 - 2. 7' ACCESS DOOR
 - 3. 5/8" REBAR
 - 4. 5/8" REBAR
 - 5. 5/8" REBAR
 - 6. 5/8" REBAR
 - 7. 5/8" REBAR
 - 8. 5/8" REBAR
 - 9. 5/8" REBAR
 - 10. 5/8" REBAR

LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 OLD FAYETTE PIKE
 LEXINGTON, KENTUCKY

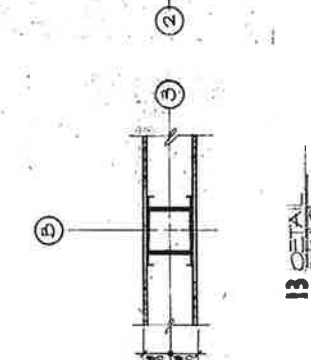
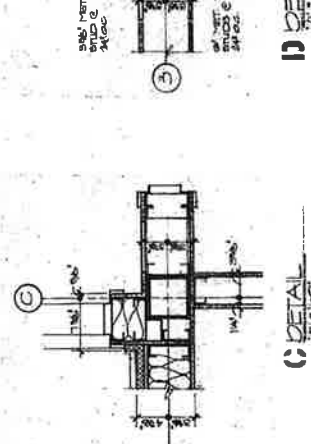
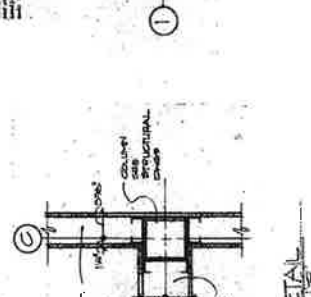
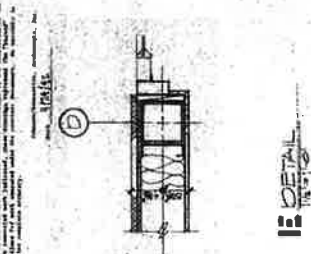
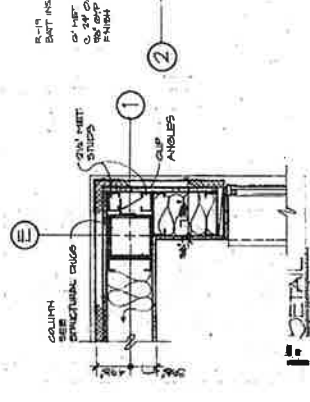
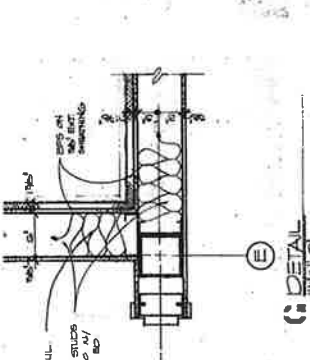
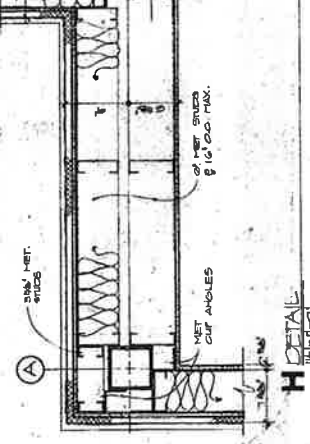
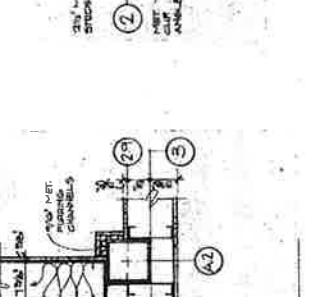
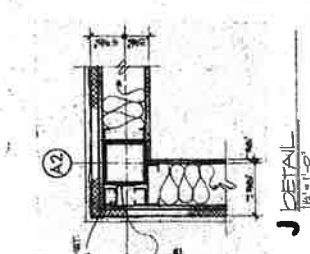
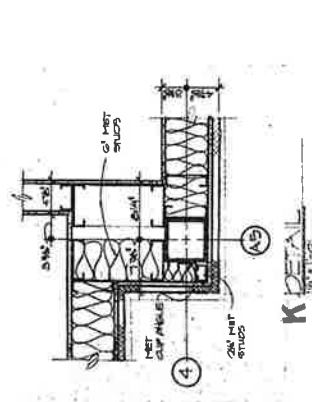
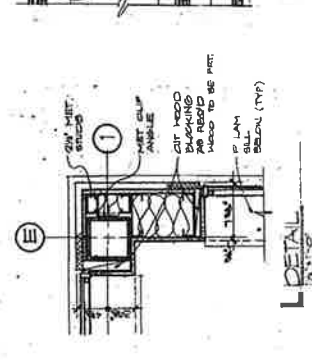
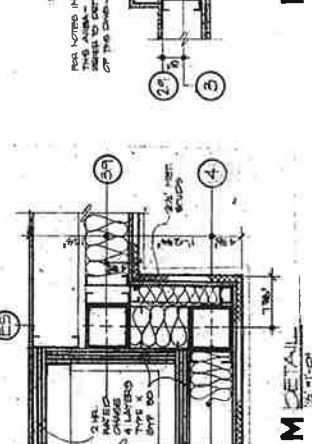
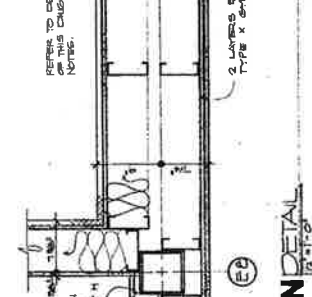
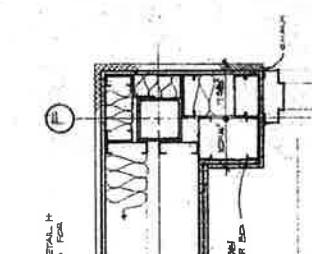
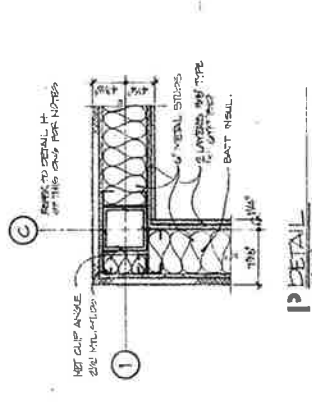
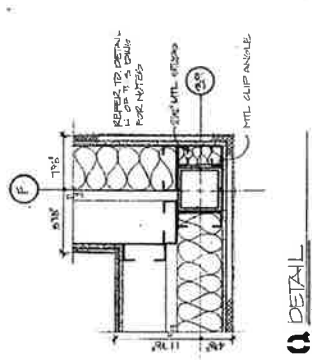
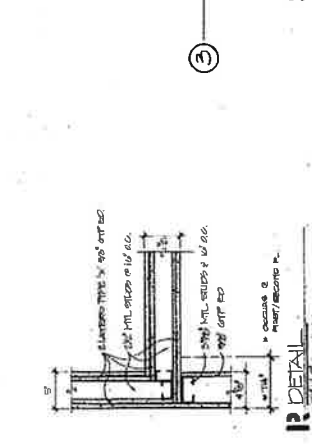
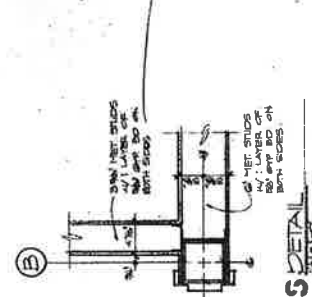
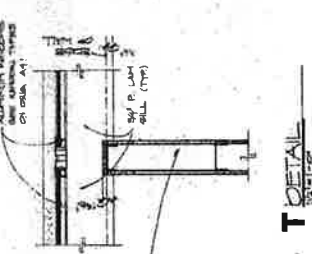
ROLL CALL CENTER
 For the



JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 1200 W. KENTUCKY ST. SUITE 200
 COVINGTON, KY 40303
 (502) 581-4444

DATE	PROJECT
DESIGNED	BY
CHECKED	DATE
SCALE	BY
COLUMN DETAILS	
WALL DETAILS	

DRAWING
A33



I DETAIL
 1/2" MET. STRIPS

J DETAIL
 1/2" MET. STRIPS

K DETAIL
 1/2" MET. STRIPS

L DETAIL
 1/2" MET. STRIPS

M DETAIL
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N DETAIL
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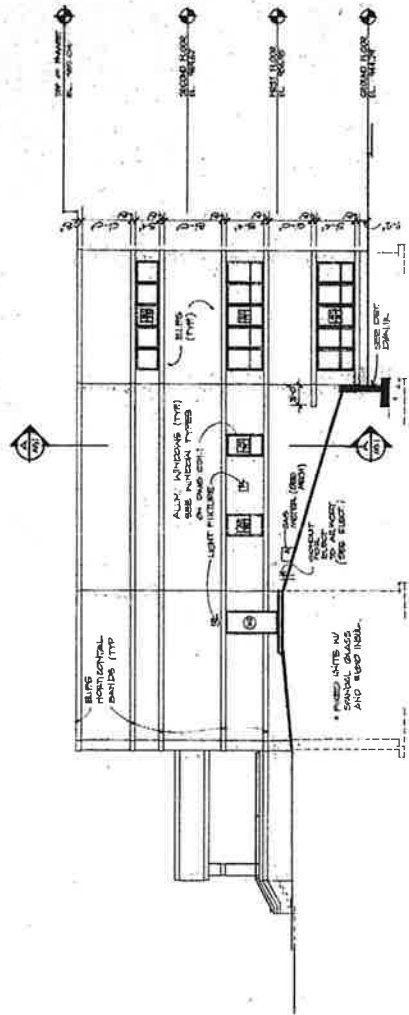
T DETAIL
 1/2" MET. STRIPS

ROLL GALL CENTER
 FOR THE
 LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 OLD FRANKFORT PKE
 LEXINGTON, KENTUCKY

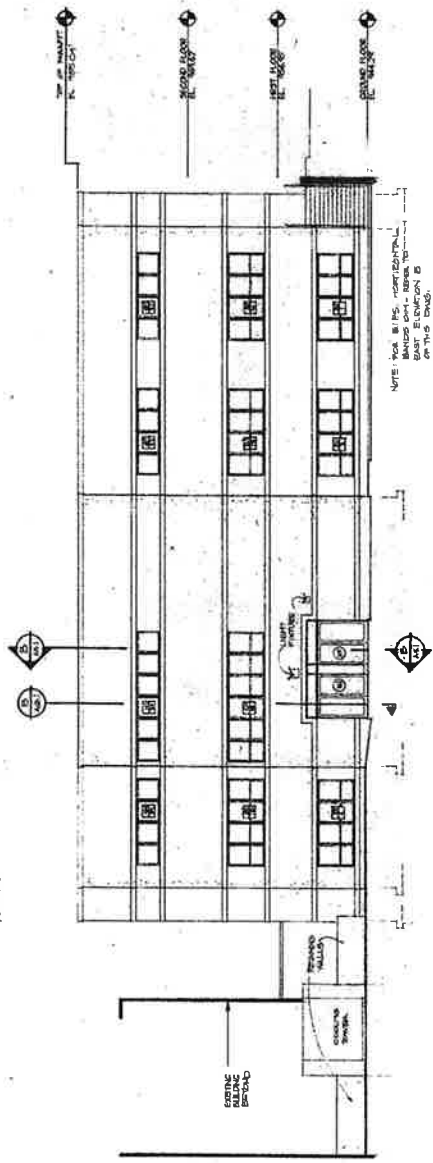


JOHNSON ROMANOWITZ ARCHITECTS & PLANNERS
 1000 WEST MAIN STREET
 LEWISTOWN, KY 40301
 502-885-1234

PROJECT:	ROLL GALL CENTER
DATE:	12/15/11
SCALE:	AS SHOWN
DRAWN BY:	JL/ML
CHECKED BY:	JL/ML



B EAST ELEVATION
 1/8" = 1'-0"



A NORTH ELEVATION
 1/8" = 1'-0"

DATE: 12/15/11
 PROJECT: ROLL GALL CENTER
 DRAWING NO.: 11-001
 SHEET NO.: 1 OF 1

LENGTON - FAYETTE URBAN COUNTY GOVERNMENT
 OLD FRANKFORT PIKE
 LENGTON, KENTUCKY



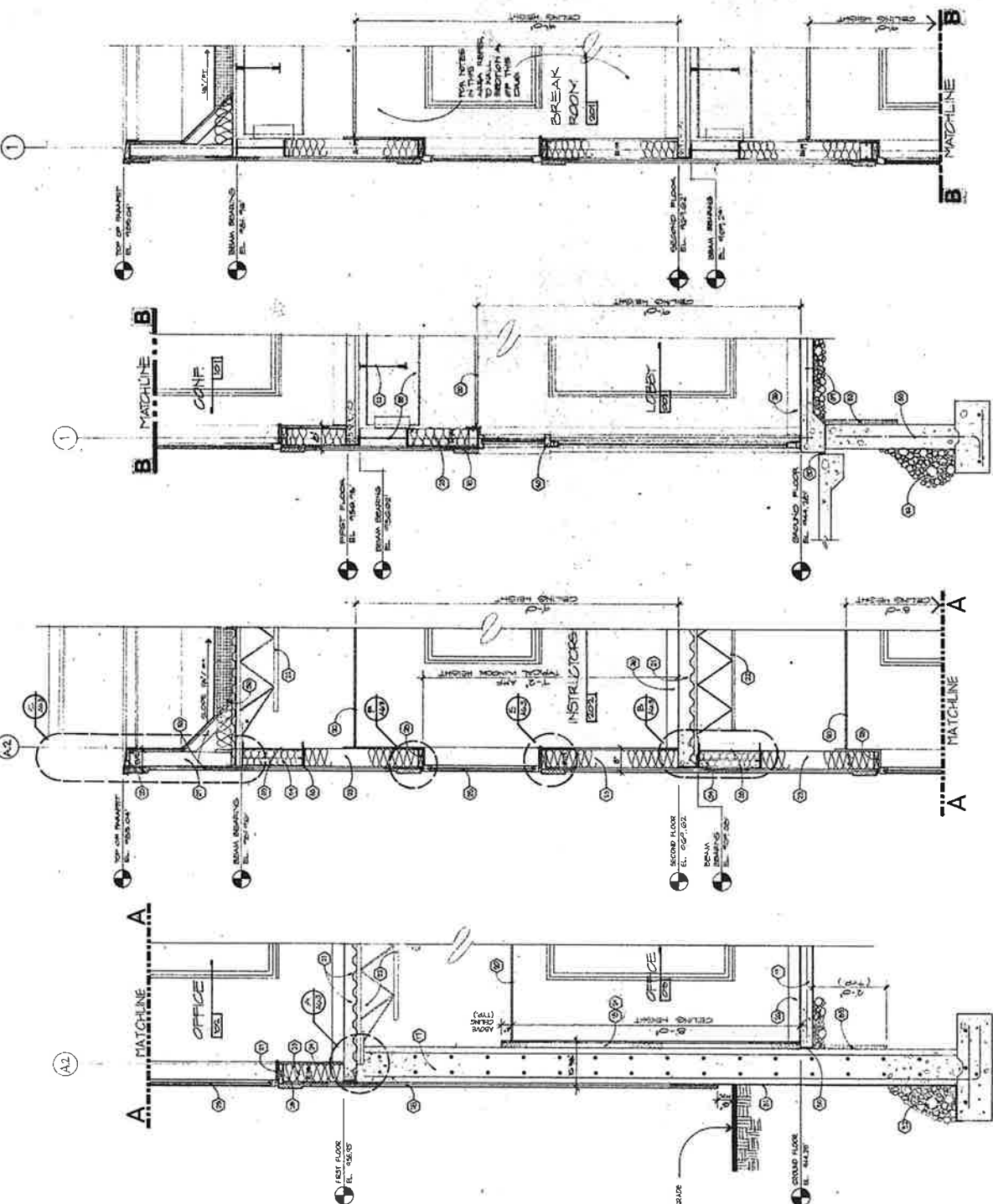
JOHNSON/ROMANOWITZ ARCHITECTS & PLANNERS
 1000 WEST LANE SUITE 100
 LEWISTOWN, KY 40301
 (606) 884-4888

DATE	DESCRIPTION
12/14/11	ISSUED FOR PERMITS
1/14/12	REVISED PER PERMITS
5/14/12	REVISED PER PERMITS

FOR THE
ROLL CALL CENTER

KEYED NOTES

1. EXPOSED BRICK VENT - SEE DETAIL
2. "X" MARKS SIGNIFY LOCATION
3. 4'-0" FACE BOARD
4. FINISH PANEL WALL (CARPETED) - SEE DETAIL
5. 2X10 PLASTIC LAMINATE CASING - SEE DETAIL WITH 3/16" THICK STAINLESS STEEL STRIP
6. 1/2" DRY BRICK - SEE DETAIL
7. 1/2" DRY BRICK - SEE DETAIL
8. PLASTIC LAMINATE RECEPTION DESK - SEE EXHIBIT PLAN
9. 1/2" DRY BRICK - SEE DETAIL
10. 1/2" DRY BRICK - SEE DETAIL
11. FINISH PANEL WALL - SEE DETAIL
12. FINISH PANEL WALL - SEE DETAIL
13. FINISH PANEL WALL - SEE DETAIL
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99. FINISH PANEL WALL - SEE DETAIL
100. FINISH PANEL WALL - SEE DETAIL



A WALL SECTION
 3/8" = 1'-0"

B WALL SECTION
 3/8" = 1'-0"

A WALL SECTION
 3/8" = 1'-0"

B WALL SECTION
 3/8" = 1'-0"

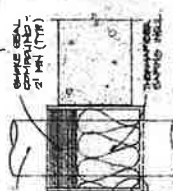
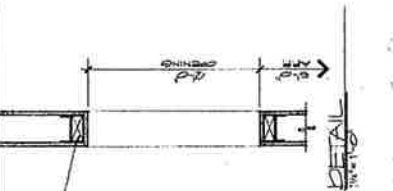
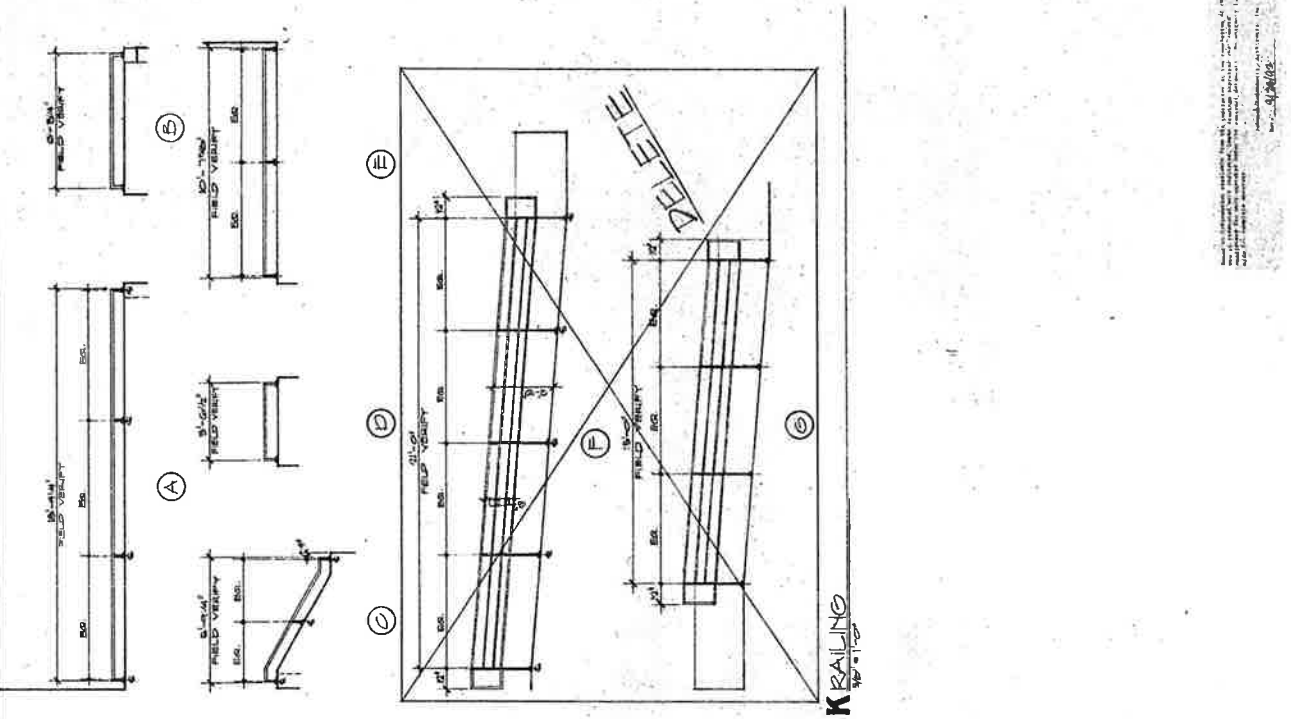
ROLL CALL CENTER
for the

LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
OLD FRANKFORT PIKE
LEXINGTON, KENTUCKY

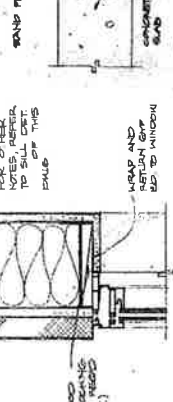
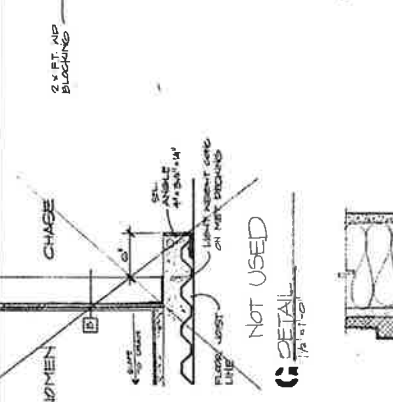


JOHNSON/ROMANOWITZ ARCHITECTS & PLANNERS
150 EAST 10TH STREET
LEXINGTON, KY 40502
502-273-4333

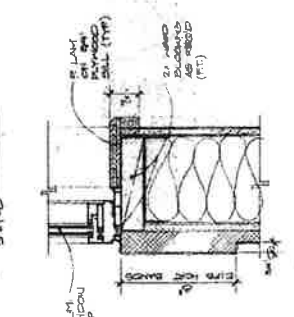
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DRAWING			



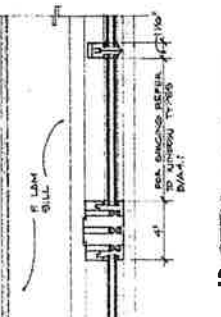
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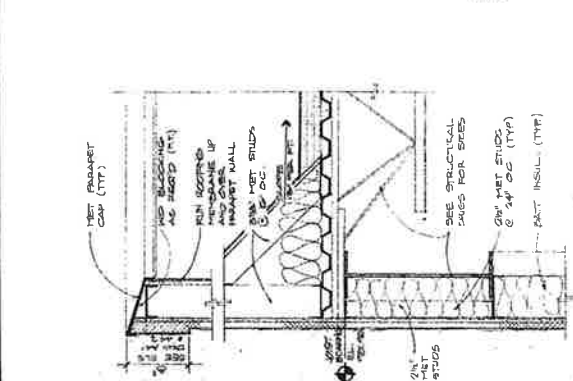
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1/2 SECTION



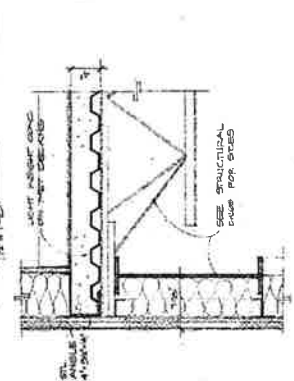
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3/4 SECTION



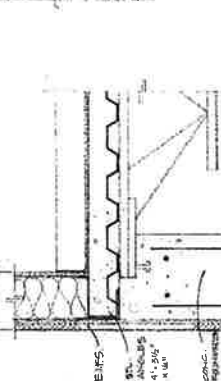
E DETAIL
3/4 SECTION



C DETAIL
1/2 SECTION



G DETAIL
1/2 SECTION



D DETAIL
1/2 SECTION

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LEXINGTON - FAYETTE COUNTY GOVERNMENT
 OLD FRAANKFORT PKE
 LEXINGTON, KENTUCKY

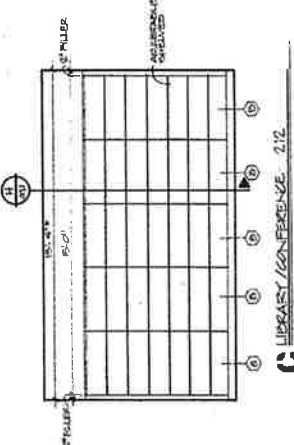


JOHNSON/ROMANOWICZ ARCHITECTS & PLANNERS
 18887-EXP-0002
 LEXINGTON, KY 40502
 606 EAST TOWN SQUARE

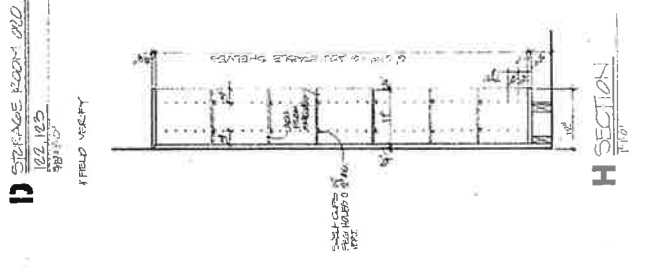
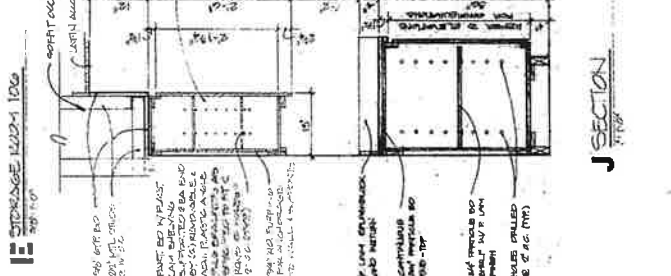
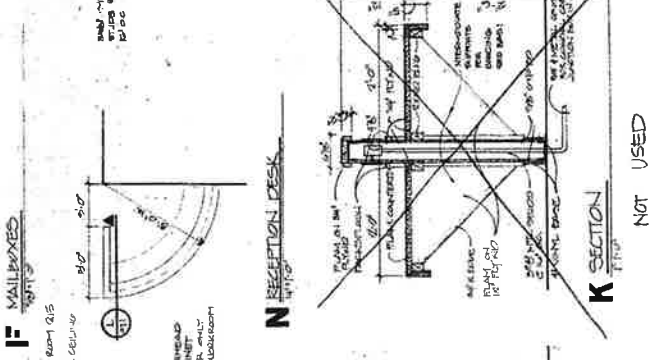
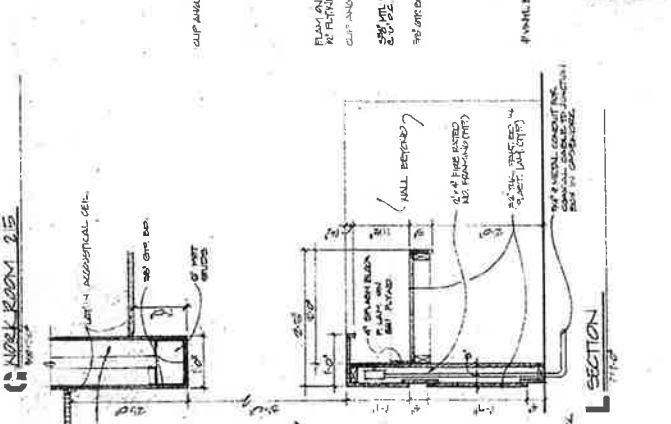
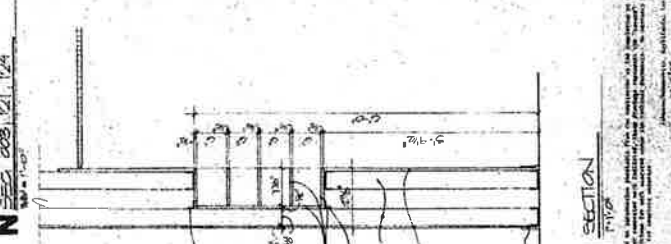
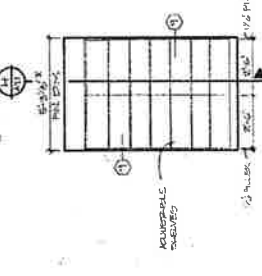
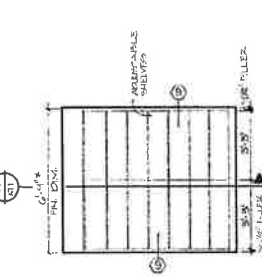
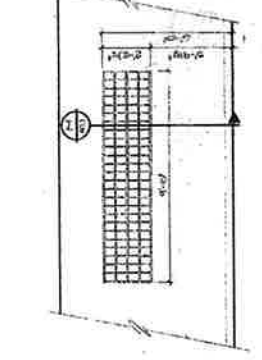
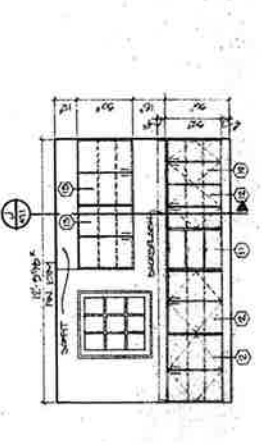
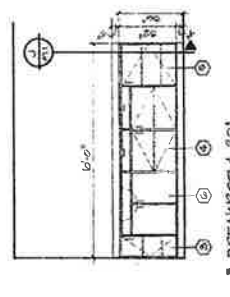
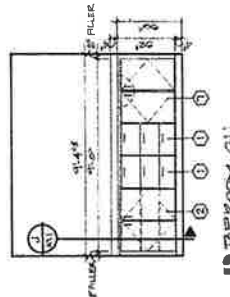
DESIGNER	DATE	SCALE
PROJECT NO.	DATE	SCALE
GENERAL CONTRACTOR		
CONTRACT NO.		

DRAWING
A 7.3

For the
ROLL CALL CENTER



- 1 TELEPHONE UNIT 1000 30" x 24" x 12"
- 2 TELEPHONE UNIT 1002 30" x 24" x 12"
- 3 TELEPHONE UNIT 1004 30" x 24" x 12"
- 4 TELEPHONE UNIT 1001 30" x 24" x 12"
- 5 TELEPHONE UNIT 1003 30" x 24" x 12"
- 6 TELEPHONE UNIT 1005 30" x 24" x 12"
- 7 TELEPHONE UNIT 1006 30" x 24" x 12"
- 8 TELEPHONE UNIT 1008 30" x 24" x 12"
- 9 TELEPHONE UNIT 1009 30" x 24" x 12"
- 10 TELEPHONE UNIT 1010 30" x 24" x 12"
- 11 TELEPHONE UNIT 1011 30" x 24" x 12"
- 12 TELEPHONE UNIT 1012 30" x 24" x 12"
- 13 TELEPHONE UNIT 1013 30" x 24" x 12"
- 14 TELEPHONE UNIT 1014 30" x 24" x 12"
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- 16 TELEPHONE UNIT 1016 30" x 24" x 12"
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- 18 TELEPHONE UNIT 1018 30" x 24" x 12"
- 19 TELEPHONE UNIT 1019 30" x 24" x 12"
- 20 TELEPHONE UNIT 1020 30" x 24" x 12"



M SECTION
 1/4" = 1'-0"

L SECTION
 1/4" = 1'-0"

N SECTION DESK
 1/4" = 1'-0"

J SECTION
 1/4" = 1'-0"

H SECTION
 1/4" = 1'-0"

NOT USED

NOT USED

LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 OLD FRANKFORT PIKE
 LEXINGTON, KENTUCKY



JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 100 SOUTH LANE SUITE 100
 LEXINGTON, KY 40502
 (606) 253-1000

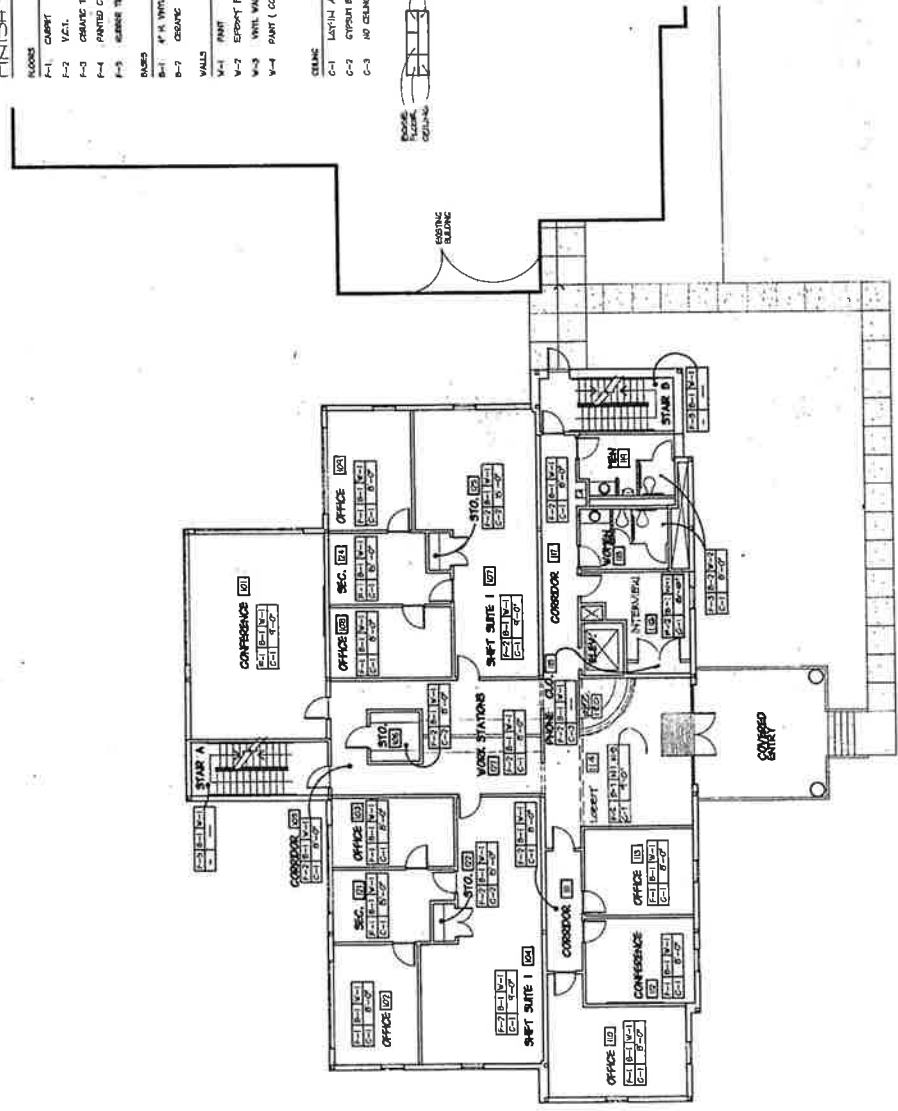
PROJECT	NO. 1000
DATE	1/27/01
CLIENT	UCG
DRAWN	WJ
CHECKED	WJ

PROJECT NAME:
 ROLL CALL CENTER

DRAWING
A8.2

FINISH SCHEDULE

- FLOORS**
- F-1 CHERRY
 - F-2 V.C.T.
 - F-3 CERAMIC TILE
 - F-4 PAINTED CONCRETE
 - F-5 CERAMIC TILE AND TERRAZO
- BASES**
- B-1 1/2" H. WNV.
 - B-2 CERAMIC TILE
- WALLS**
- W-1 PAINT
 - W-2 EXPOSED BRICK
 - W-3 VINYL WALL COVERING
 - W-4 PAINT (CONCRETE)
- CEILING**
- C-1 LAY-IN ACoustICAL
 - C-2 GYPSUM BOARD
 - C-3 AP CEILING (EXPOSED STRUCTURE)



A FIRST FLOOR FINISH PLAN
 1/28-1-01

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LEXINGTON - PATETTE LEBLAN COUNTY GOVERNMENT
 OLD FRANKFORT PIKE
 LEXINGTON, KENTUCKY



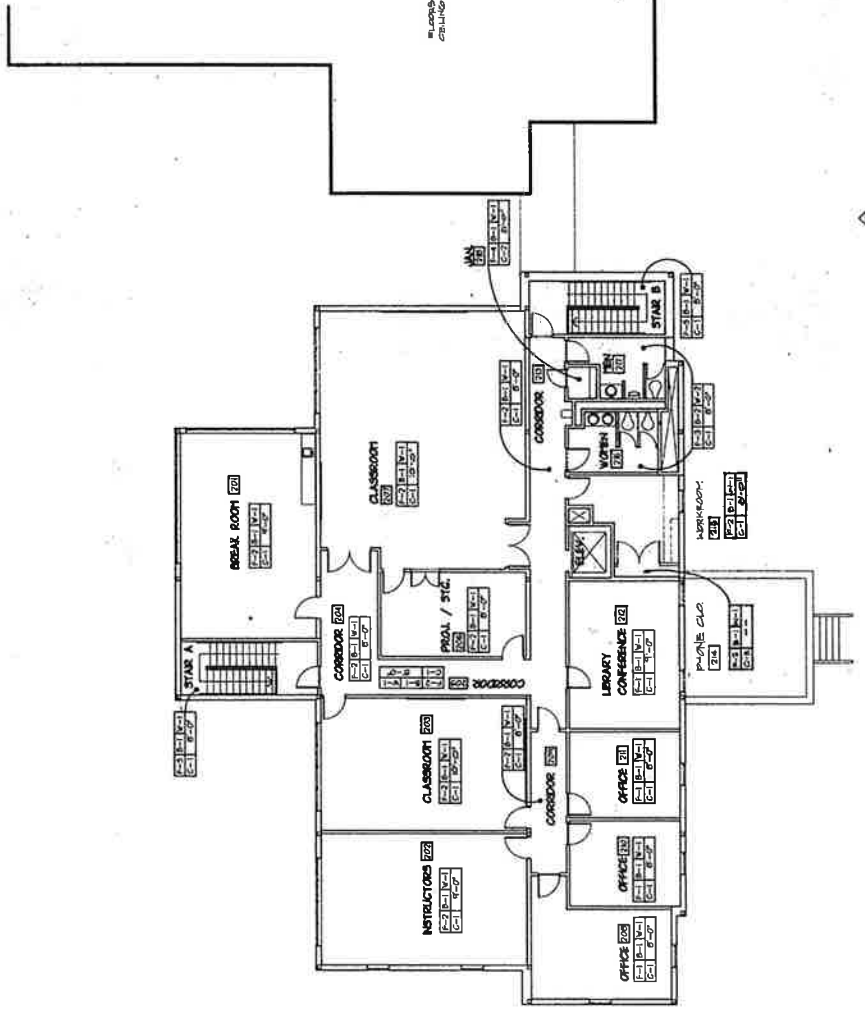
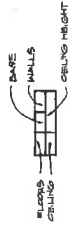
JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 100 EAST VINE STREET
 LEXINGTON, KY 40502
 (606) 259-1234

DATE	NO.	DESCRIPTION
01/15/12	1	ISSUED FOR PERMITS
02/01/12	2	REVISED PER COMMENTS
02/15/12	3	REVISED PER COMMENTS
03/01/12	4	REVISED PER COMMENTS

PROJECT: PATETTE LEBLAN COUNTY GOVERNMENT
 DRAWING: A 83

FINISH SCHEDULE

- FLOORS
 - F-1 GRABIT
 - F-2 V.C.T.
 - F-3 GRABIT TILE
 - F-4 PAINTED CONCRETE
 - F-5 RUBBER TILE AND TERMO
- WALLS
 - W-1 4" X 8" VINYL
 - W-2 GRABIT TILE
- CEILING
 - C-1 1/2" X 4" VINYL
 - C-2 GRABIT BOARD
 - C-3 NO GRABIT (EXPOSED STRUCTURE)
- PAINT
 - PAINT
 - EMERALD PAINT
 - WHITE WALL COORDING
 - PAINT (CONCRETE)



A SECOND FLOOR FINISH PLAN

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ROLL CALL CENTER
for the
LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
OLD FRANKFORT PIKE
LEXINGTON, KENTUCKY



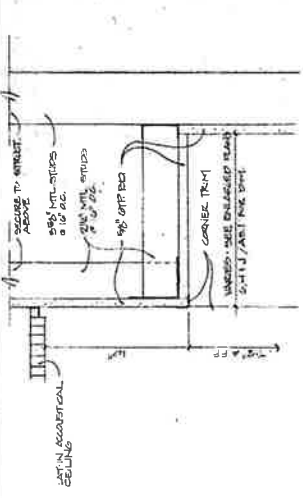
JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
LEXINGTON, KY 40507
405 EAST VINE STREET
FAYETTEVILLE, KY 40424
TEL: 453-4444

DATE	PROJECT
DESIGN	ROLL CALL CENTER
CONTRACT	NO. 10000
SCALE	AS SHOWN

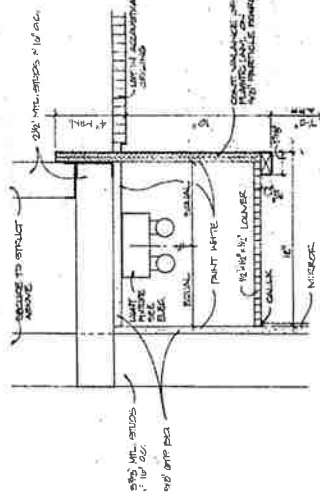
DESIGNED BY: JHR
CHECKED BY: JHR
DATE: 11/11/00

REVISED PLAN
CEILING PLAN
DETAILS

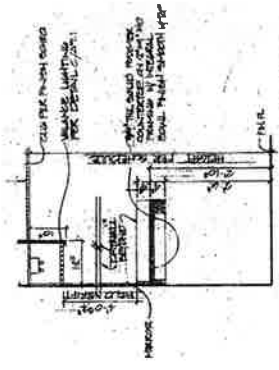
DRAWING
A9.1



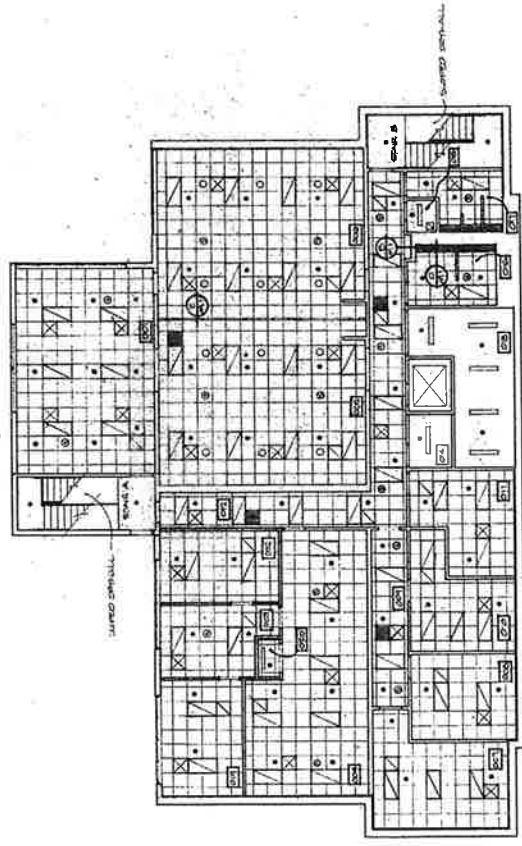
12 DETAIL OF CEILING



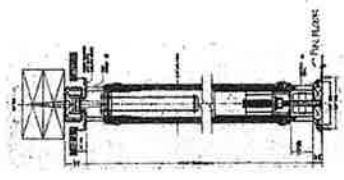
13 DETAIL OF SOFFIT



14 DETAIL FIRE RATED VANITY COUNTER



A REFLECTED CEILING PLAN - GROUND FLOOR



15 FOLDING PARTITION - DETAIL

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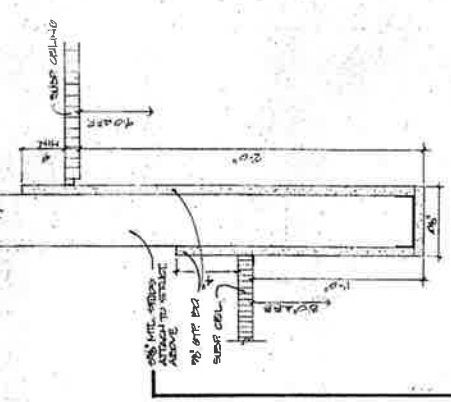
LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 OLD FRANKFORT PIKE
 LEXINGTON, KENTUCKY



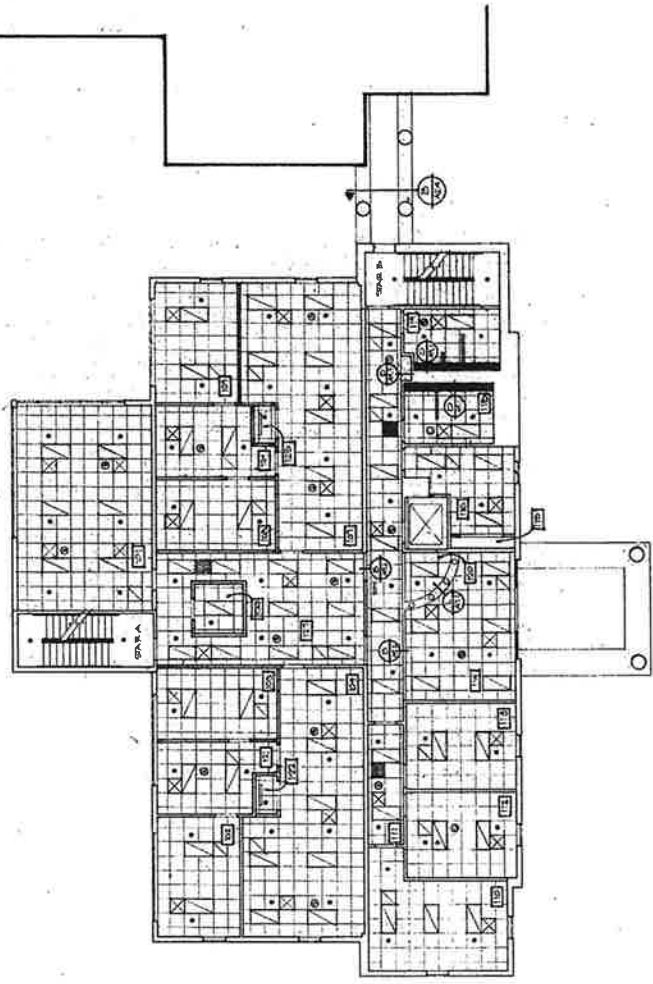
JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 1000 WEST STREET
 LEWISTON, KY 40327
 (502) 253-1212

DATE	REVISION
NOV 1990	1
DESIGNED	CW
DATE	2/1/91
PROJECT: FAYETTE URBAN COUNTY GOVERNMENT OLD FRANKFORT PIKE DETAIL: B	

DRAWING
A9.2



B SOFFIT DETAIL



A1 REFLECTED CEILING PLAN - FIRST FLOOR

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LEAFINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 OLD LEAFINGTON PIKE
 LEAFINGTON, KENTUCKY

ROLL CALL CENTER
 FOR THE

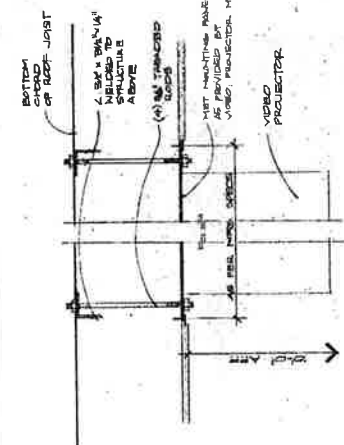


JOHNSON/ROMANOWITZ ARCHITECTS & PLANNERS
 ARCHITECTS & PLANNERS
 1000 EAST PARK DRIVE, SUITE 100
 LEAFINGTON, KY 40347
 (606) 439-4511

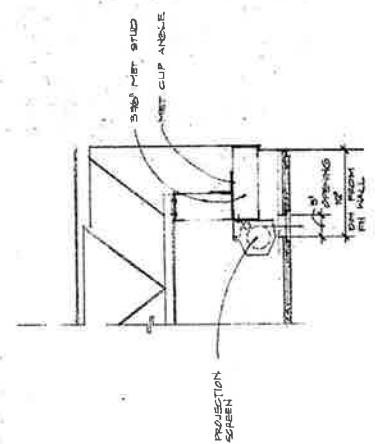
DATE	PROJECT
DRAWN BY	NO. & DATE
CHECKED BY	DATE
SCALE	BY

DESIGNED BY: []
 DRAWN BY: []
 CHECKED BY: []

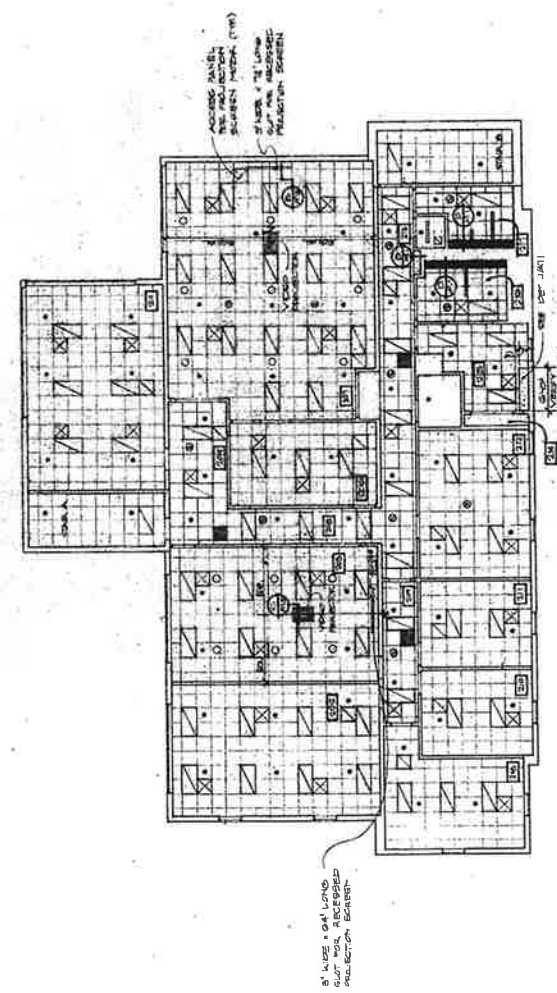
DRAWING
A-33



DETAIL PROJECTOR MOUNTING



13 DETAIL PROJECTOR SCREEN



A REFLECTED CEILING PLAN - SECOND FLOOR PLAN

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LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 679 FRANKFORT PIKE
 LEXINGTON, KENTUCKY



JOHNSON/ROMANOWICZ ARCHITECTS & PLANNERS
 1000 COMMONWEALTH AVENUE
 LEXINGTON, KY 40502
 (606) 253-1100

PROJECT	PROJECT NO.	DATE
GROUND FLOOR LIGHTING	1000-02	11/1/81
DESIGNED BY	PROJECT NO.	DATE
J.R.	1000-02	11/1/81
CHECKED BY	PROJECT NO.	DATE
J.R.	1000-02	11/1/81
SCALE	AS SHOWN	

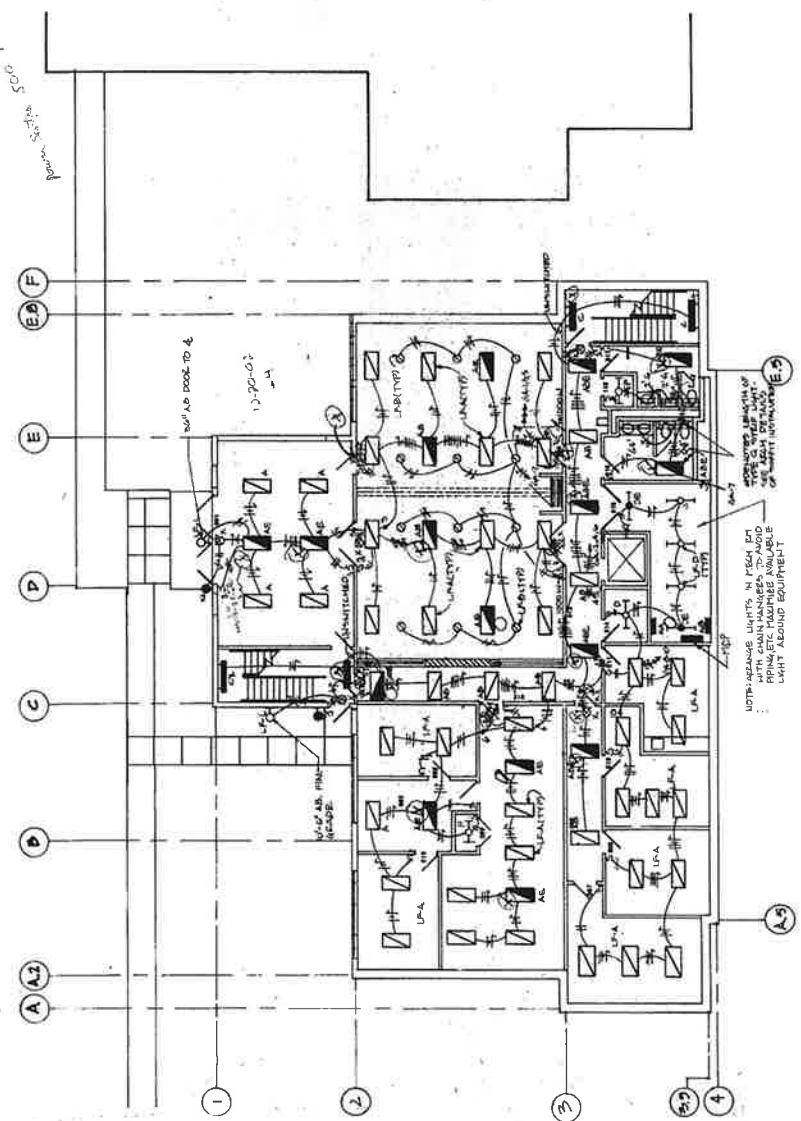


These record documents have been prepared by the Engineer and are to be used only for the project and site indicated. The Engineer will not be responsible for any errors or omissions in this document or for any consequences that may result from its use.

- 001 LAYOUT
- 002 OFFICE
- 003 OFFICE
- 004 OFFICE
- 005 OFFICE
- 006 OFFICE
- 007 OFFICE
- 008 OFFICE
- 009 OFFICE
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- 096 OFFICE
- 097 OFFICE
- 098 OFFICE
- 099 OFFICE
- 100 OFFICE

NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
2	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
3	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
4	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
5	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
6	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
7	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
8	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
9	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
10	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
11	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
12	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
13	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
14	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
15	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
16	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
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19	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
20	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
21	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
22	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
23	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
24	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
25	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
26	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
27	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
28	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
29	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
30	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
31	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
32	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
33	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
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37	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
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40	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
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44	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
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46	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
47	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
48	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
49	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00
50	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	100	EA	1.00	100.00

EAST SIDE - S
 500 PMS ROAD - H
 12-20-02



GROUND FLOOR - LIGHTING
 SCALE: 1/8" = 1'-0"

1	2	3	4
5	6	7	8
9	10	11	12

LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 1779 FRANKFORT PIKE
 LEXINGTON, KENTUCKY

ROLL CALL CENTER for the



JOHNSON ROMANOWITZ ARCHITECTS & PLANNERS
 219 EAST VINE STREET
 LEXINGTON, KY 40502
 (606) 253-8800

DATE	2-14-91
BY	
PROJECT NO.	
ELECTRICAL	
FIRST FLOOR PLAN	
DRAWING	
E-2	

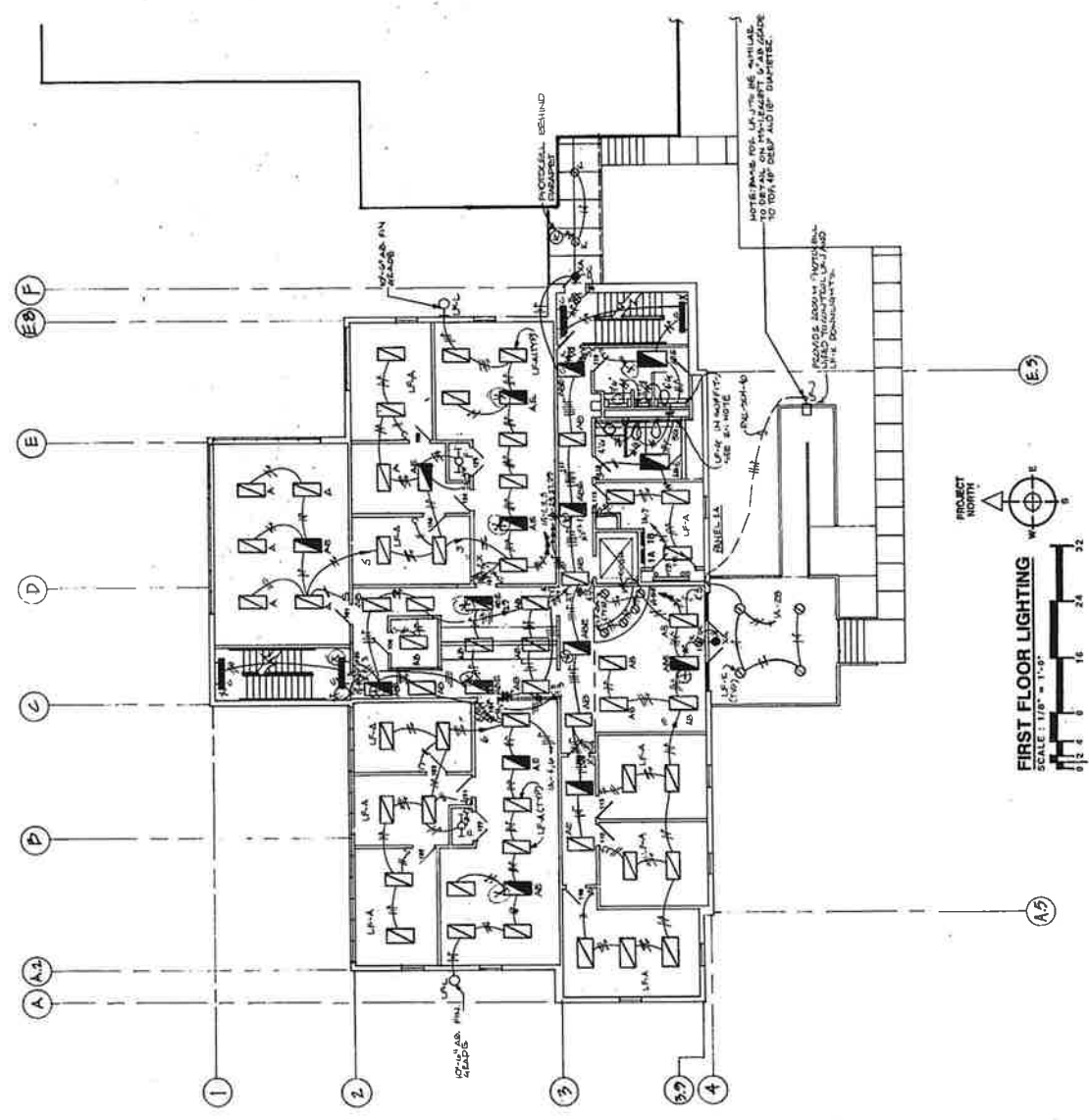


These revised documents have been prepared in accordance with the provisions of the Kentucky Engineering Act of 1956, which requires that the documents be prepared by a duly licensed professional engineer. The documents are hereby approved for the project shown on the drawings.

- SYMBOLOGY**
- X - See FIRST FLOOR
 (X) - REPAIR/REPLACED
- NOTES**
- Remove Bond with existing new... (faded)

NO.	DESCRIPTION	DATE	BY
1	18' X 24' 0" NORTH	11/13	JW
2	18' X 24' 0" SOUTH	11/13	JW
3	18' X 24' 0" EAST	11/13	JW
4	18' X 24' 0" WEST	11/13	JW
5	18' X 24' 0" NORTH	11/13	JW
6	18' X 24' 0" SOUTH	11/13	JW
7	18' X 24' 0" EAST	11/13	JW
8	18' X 24' 0" WEST	11/13	JW
9	18' X 24' 0" NORTH	11/13	JW
10	18' X 24' 0" SOUTH	11/13	JW
11	18' X 24' 0" EAST	11/13	JW
12	18' X 24' 0" WEST	11/13	JW

EXIT - 3
 3101 - 13
 6201 - 13



61	62
63	64
65	66

- 215 7244
- 301 RECEPTION
 - 302 INSTRUCTOR
 - 303 CLASSROOM
 - 305 CLASSROOM
 - 307 CLASSROOM
 - 309 CLASSROOM
 - 310 OFFICE
 - 311 OFFICE
 - 312 OFFICE
 - 313 LIBRARY CONFERENCE
 - 314 OFFICE
 - 315 STORAGE
 - 316 RESTROOM
 - 317 MEN RESTROOM
 - 318 W.C.

ROLL CALL CENTER for the

LEXINGTON - FAYETTE COUNTY GOVERNMENT
 179 FRANKFORT PIKE
 LEXINGTON, KENTUCKY

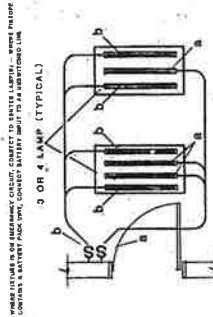


JOHNSON/ROMANOVITZ/ARCHITECTS & PLANNERS
 1800 EAST 10TH STREET
 LEXINGTON, KY 40502
 (606) 253-8888

DATE	PROJECT
PHS/ALP	ASSIGNING
DATE	BY
DATE	BY
ELECTRICAL	
SECOND FLOOR	
DRAWING E-3	

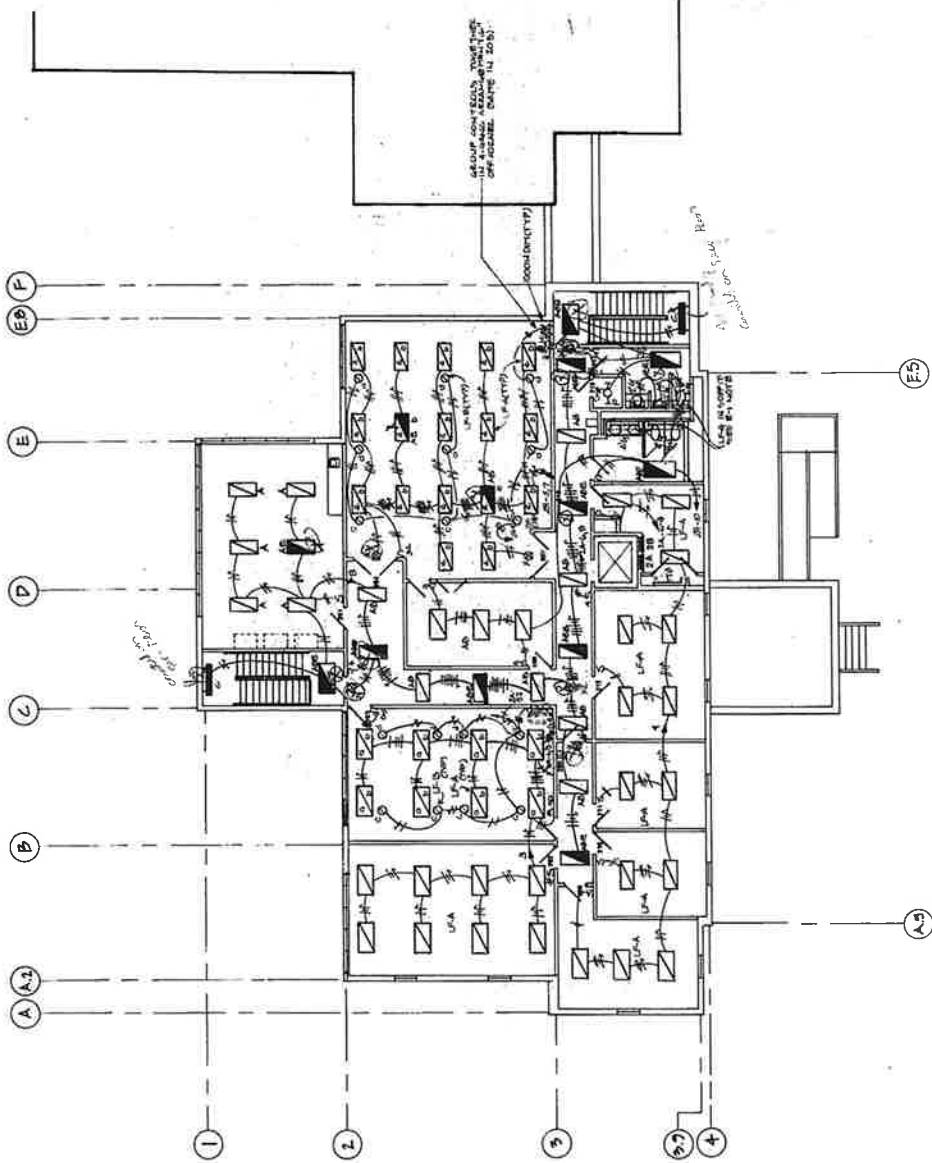


These record documents have been prepared primarily on the basis of the information furnished by the client. The engineer will not be responsible for any errors or omissions which have been incorporated herein. The drawings are final.



Wiring Diagram for Bi-Level Lighting Control
 NO SCALE

100-10	100-11	100-12	100-13	100-14
100-15	100-16	100-17	100-18	100-19
100-20	100-21	100-22	100-23	100-24
100-25	100-26	100-27	100-28	100-29
100-30	100-31	100-32	100-33	100-34
100-35	100-36	100-37	100-38	100-39
100-40	100-41	100-42	100-43	100-44
100-45	100-46	100-47	100-48	100-49
100-50	100-51	100-52	100-53	100-54



SECOND FLOOR - LIGHTING
 SCALE: 1/8" = 1'-0"



E-3	E-3	E-3	E-3
E-3	E-3	E-3	E-3
E-3	E-3	E-3	E-3
E-3	E-3	E-3	E-3

LENGTON - FAYETTE COUNTY GOVERNMENT
179 FRANKFORT PIKE
LENGTON, KENTUCKY

Roll Call Center for the



JOHNSON/ROMANOWICZ/ARCHITECTS & PLANNERS
LENGTON, KY 40322
1-606-283-4374

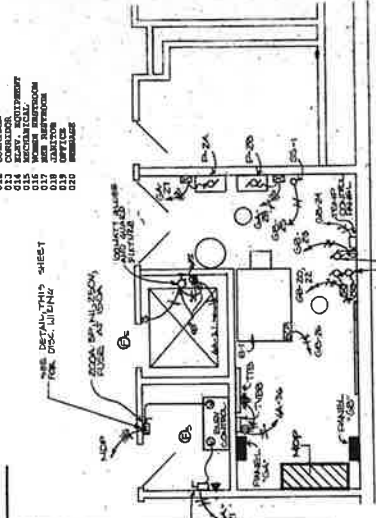


PROJECT	179-27-31
DATE	11-1-11
DESIGNED BY	W. J. L. L.
CHECKED BY	
APPROVED BY	
SCALE	
ELECTRICAL	
GROUND FLOOR	
DRAWING	
E-4	

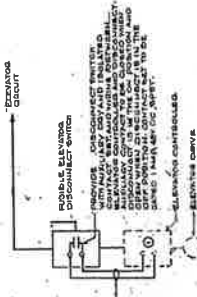


These electrical drawings have been prepared primarily on the basis of the information supplied and furnished by others. The Engineer shall not be responsible for any errors or omissions which have been made by others in the information furnished.

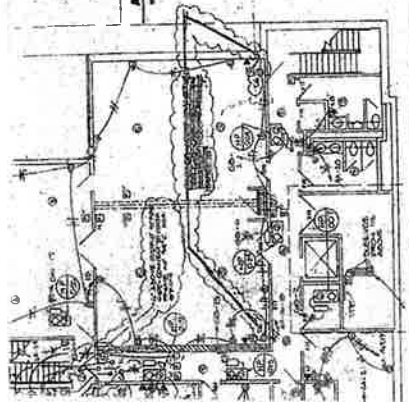
- 001 SITE
- 002 OFFICE
- 003 REVISIONS
- 004 REVISIONS
- 005 REVISIONS
- 006 REVISIONS
- 007 OFFICE
- 008 OFFICE
- 009 OFFICE
- 010 STAFF SUITE 4
- 011 OFFICE
- 012 CONFERENCE
- 013 CORRIDOR
- 014 MECHANICAL ROOM
- 015 MECHANICAL ROOM
- 016 MECHANICAL ROOM
- 017 MECHANICAL ROOM
- 018 MECHANICAL ROOM
- 019 MECHANICAL ROOM
- 020 MECHANICAL ROOM



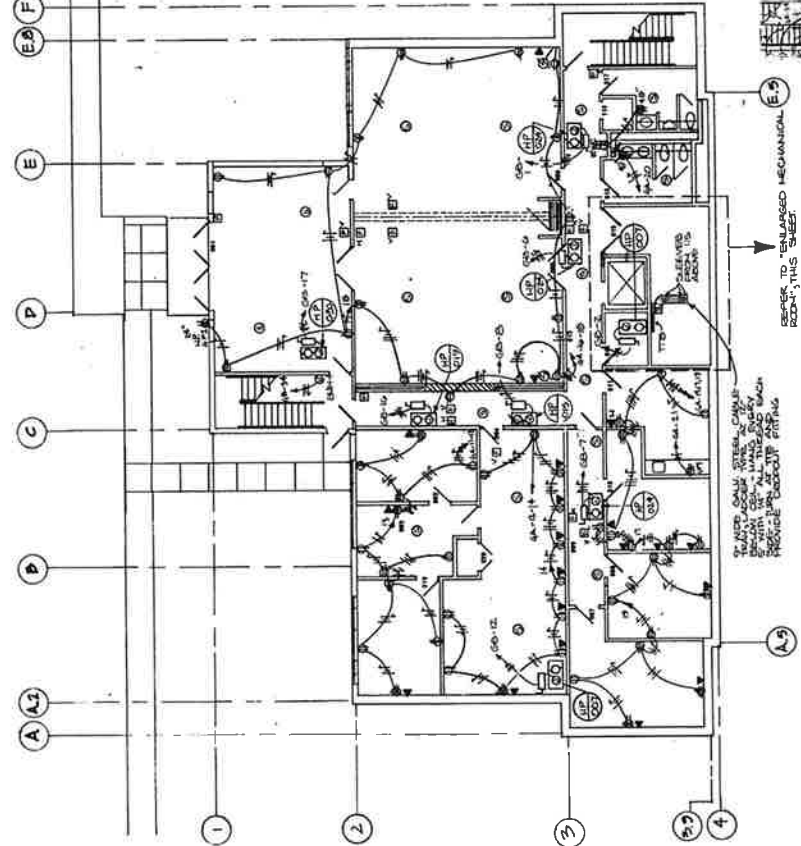
Enlarged Mechanical Room
Scale: 1/4" = 1'-0"



ELEVATOR DISCONNECT SWITCH
AUXILIARY CONTACT WIRING DIAGRAM
Scale: 1/4" = 1'-0"



GROUND FLOOR POWER & SYSTEMS
SCALE: 1/8" = 1'-0"



TO USE ONLY STEEL-CANALS
NEARLY COVERED WIRING
WITH ALL WIRING EACH
REPLACE "ELECTRICAL" WITH
"ELECTRICAL" WITH

REFER TO ENLARGED MECHANICAL
ROOM, THIS SHEET

E-4	0/4	T
-----	-----	---

LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 179 FRANKFORT PLE
 LEXINGTON, KENTUCKY

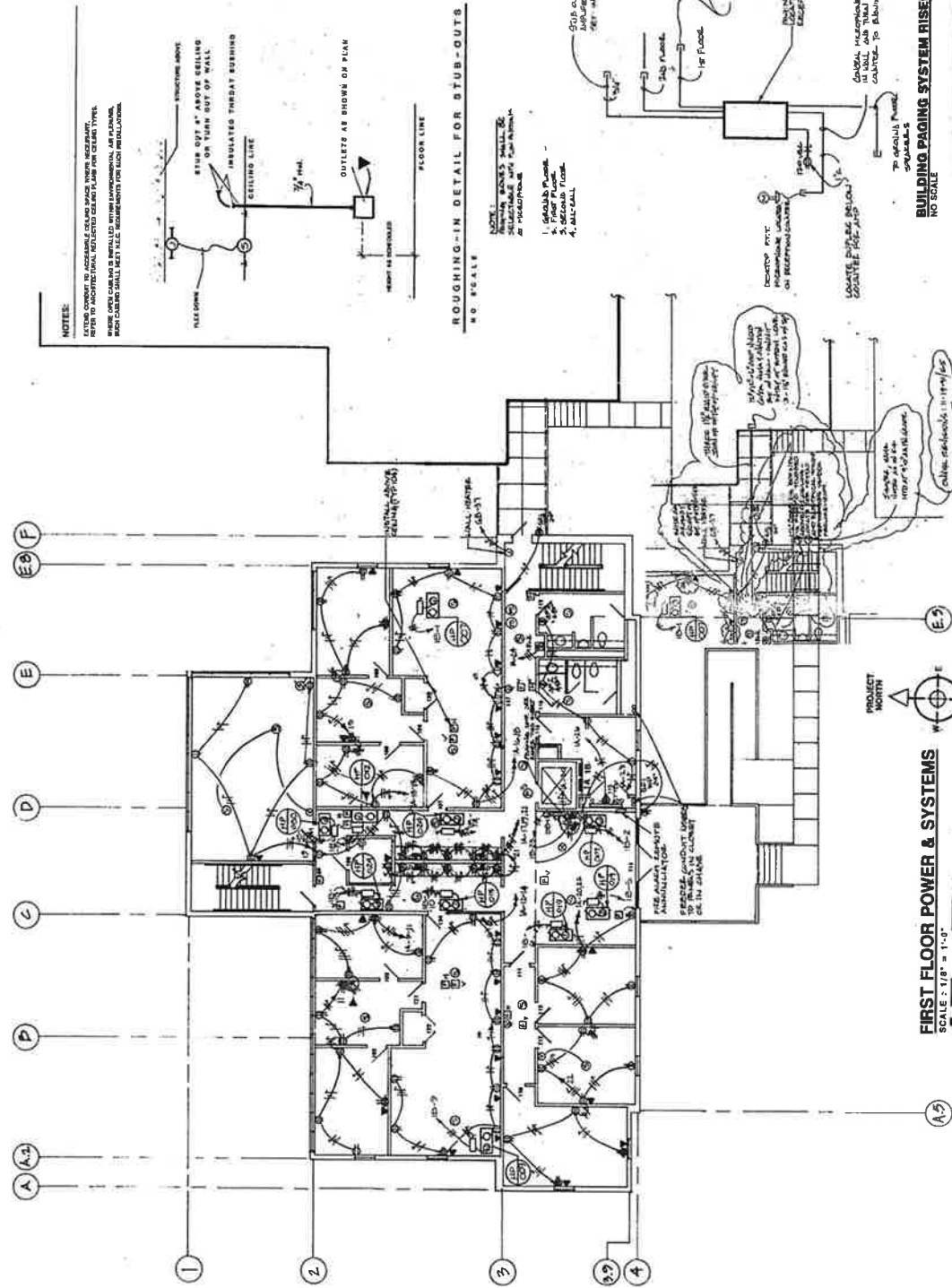
ROLL CALL CENTER for the



JOHNSON/ROMANOWICZ/ARCHITECTS & PLANNERS
 1100 WEST 10TH STREET
 LEXINGTON, KY 40502
 (606) 253-1111

PROJECT NO.	179-001
DATE	10-1-87
DESIGNER	JR
CHECKED	JR
DATE	10-1-87
PROJECT NAME	LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
PROJECT NO.	179-001
DATE	10-1-87
DESIGNER	JR
CHECKED	JR
DATE	10-1-87
PROJECT NAME	LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
PROJECT NO.	179-001
DATE	10-1-87
DESIGNER	JR
CHECKED	JR
DATE	10-1-87
PROJECT NAME	LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT

- SEE FLOOR PLAN**
- 101 OFFICE
 - 102 OFFICE
 - 103 OFFICE
 - 104 OFFICE
 - 105 OFFICE
 - 106 OFFICE
 - 107 OFFICE
 - 108 OFFICE
 - 109 OFFICE
 - 110 OFFICE
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 - 137 OFFICE



These record documents have been prepared primarily on the basis of the information contained in the contract documents. The engineer assumes no responsibility for any errors or omissions which may have been made in the preparation of these documents.



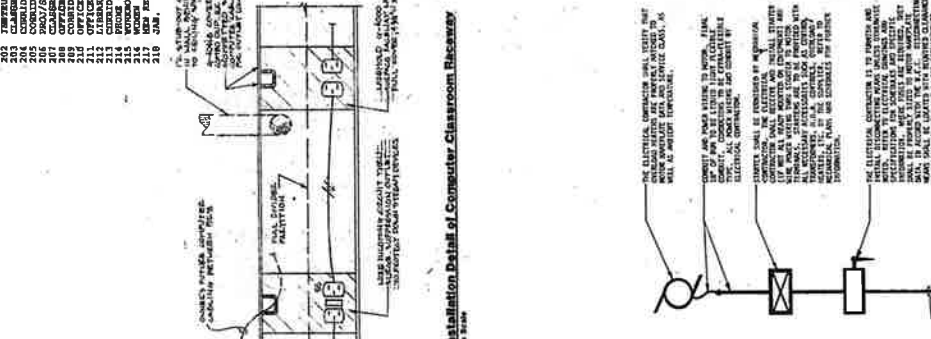
FIRST FLOOR POWER & SYSTEMS
 SCALE: 1/8" = 1'-0"



E-5	E-6	E-7	E-8
E-9	E-10	E-11	E-12
E-13	E-14	E-15	E-16
E-17	E-18	E-19	E-20



- GENERAL SYMBOLS**
- 101 HUB AND SPINE
 - 102 HUB AND SPINE
 - 103 HUB AND SPINE
 - 104 HUB AND SPINE
 - 105 HUB AND SPINE
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- GENERAL SYMBOLS**
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 - 149 HUB AND SPINE
 - 150 HUB AND SPINE



DETAIL OF TYPICAL MOTOR/STARTER INSTALLATION
 NO SCALE

SECOND FLOOR - POWER & SYSTEMS
 SCALE: 1/8" = 1'-0"



PROJECT NORTH

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REVISIONS:

- 1. REVISED TO SHOW THE REVISIONS TO THE SECOND FLOOR POWER AND SYSTEMS PLAN AS SHOWN ON SHEET E-5.
- 2. REVISED TO SHOW THE REVISIONS TO THE SECOND FLOOR POWER AND SYSTEMS PLAN AS SHOWN ON SHEET E-5.
- 3. REVISED TO SHOW THE REVISIONS TO THE SECOND FLOOR POWER AND SYSTEMS PLAN AS SHOWN ON SHEET E-5.
- 4. REVISED TO SHOW THE REVISIONS TO THE SECOND FLOOR POWER AND SYSTEMS PLAN AS SHOWN ON SHEET E-5.

NOTES:

- 1. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE INSTALLATION AND MAKE NECESSARY ADJUSTMENTS TO THE FIXTURES TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 2. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE INSTALLATION AND MAKE NECESSARY ADJUSTMENTS TO THE MOTOR AND STARTER TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 3. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE INSTALLATION AND MAKE NECESSARY ADJUSTMENTS TO THE MOTOR AND STARTER TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 4. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE INSTALLATION AND MAKE NECESSARY ADJUSTMENTS TO THE MOTOR AND STARTER TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

GENERAL NOTES:

- 1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL CODES.
- 2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 3. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 4. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

GENERAL NOTES:

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- 4. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

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- 4. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
1779 FRANKFORT PIKE
LEXINGTON, KENTUCKY

ROLL CALL CENTER for the



JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
191 QUALITY LAKE DRIVE 100
LEXINGTON, KY 40503
(606) 253-4371

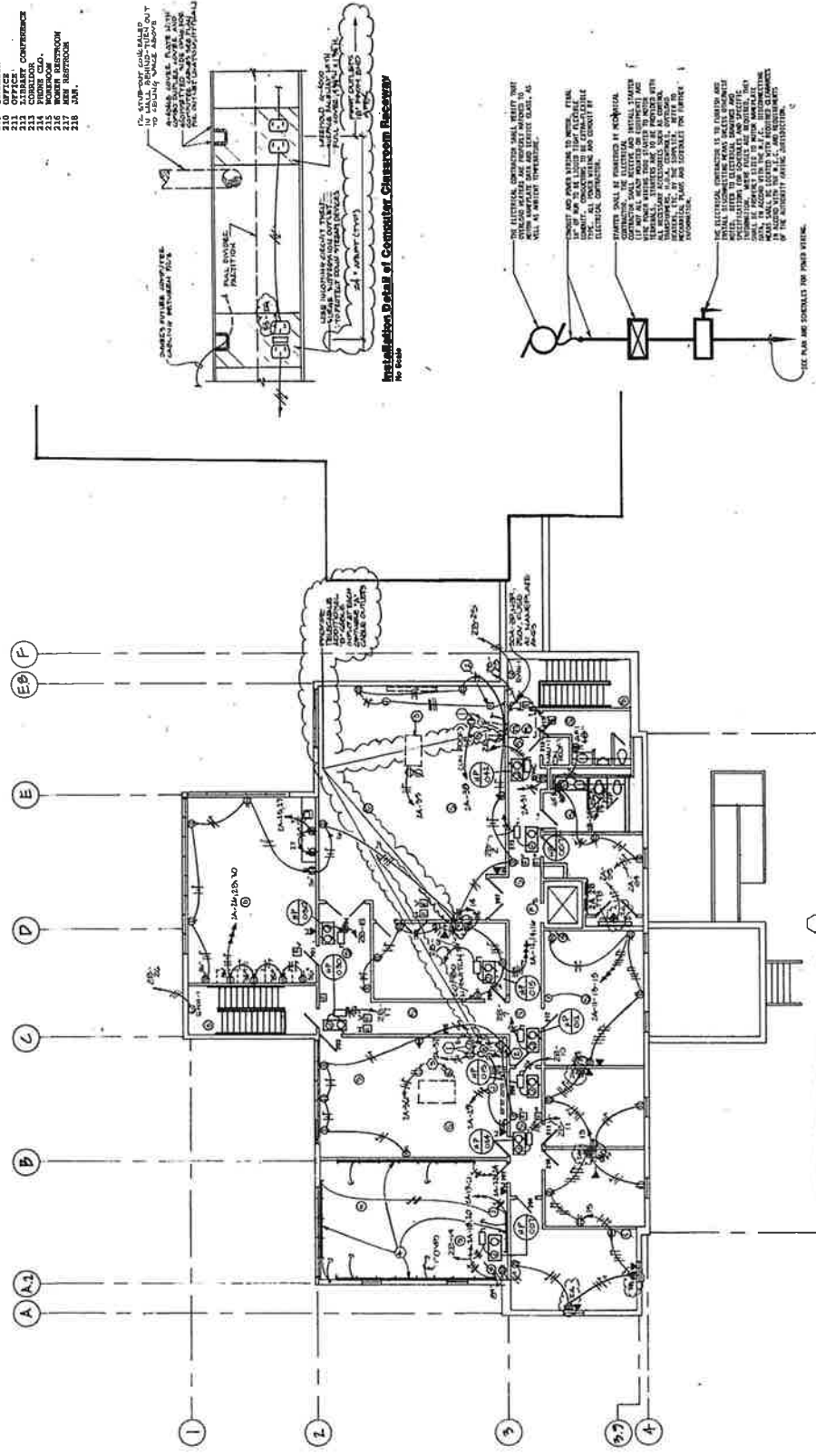
PROJECT NO.	1779-01
DATE	08/27/82
DESIGNER	JR/AP
CHECKED BY	JR
DATE	08/27/82
PROJECT	ROLL CALL CENTER
NO.	1779-01

SECOND FLOOR
DRAWING
E-6



- SECOND FLOOR PLAN**
- 201 BOARDROOM
 - 202 CLASSROOM
 - 203 CLASSROOM
 - 204 CLASSROOM
 - 205 CLASSROOM
 - 206 PRAD/PRC
 - 207 PRAD/PRC
 - 208 OFFICE
 - 209 OFFICE
 - 210 OFFICE
 - 211 OFFICE
 - 212 CONFERENCE
 - 213 CORRIDOR
 - 214 HALLWAY
 - 215 HALLWAY
 - 216 HALLWAY
 - 217 HALLWAY
 - 218 JRM.

REMARKS:
- 2 PHONES LINES FOR COMPUTERS



Detail of Typical Motor/Starter Installation
NO SCALE



SECOND FLOOR - POWER & SYSTEMS
SCALE: 1/8" = 1'-0"

- GENERAL NOTES - SECOND FLOOR POWER SYSTEM**
1. PROVIDE SERVICE FROM MAIN FLOOR FOR 120 VOLT SINGLE PHASE POWER. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA). ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA). ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
 2. CONDUCTORS TO BE INSTALLED AND WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
 3. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
 4. SEE DETAIL OF COMPUTER ROOM (ROOM 201), THIS DETAIL, LOCATED AT THE END OF THE DRAWING. SEE DETAIL OF COMPUTER ROOM (ROOM 201), THIS DETAIL, LOCATED AT THE END OF THE DRAWING. SEE DETAIL OF COMPUTER ROOM (ROOM 201), THIS DETAIL, LOCATED AT THE END OF THE DRAWING.

These revised documents have been prepared primarily on the basis of the information supplied and furnished to the architect. The architect assumes no responsibility for any errors or omissions which have been incorporated into this document as revised.

LENGTON - FAYETTE URBAN COUNTY GOVERNMENT
 779 FRANKFORT PIKE
 LENGTON, KENTUCKY



JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 100 SOUTH LANE SUITE 100
 100 SOUTH LANE SUITE 100
 LEONOVILLE, KY 40324
 (502) 483-4300

DATE	DESCRIPTION
12-17-71	PLANS
12-17-71	REVISED
12-17-71	REVISED
12-17-71	REVISED

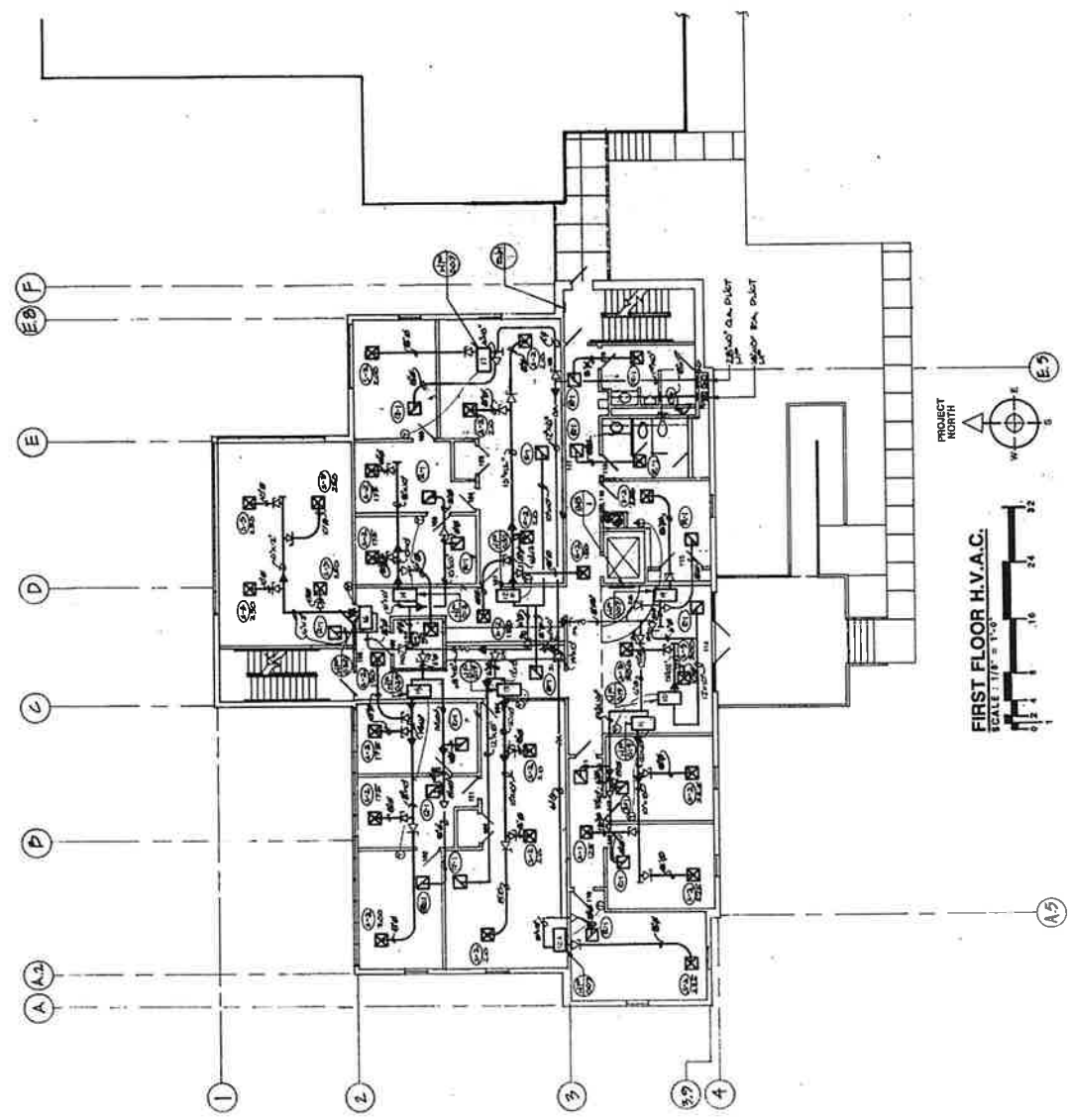
HVAC
 FIRST FLOOR PLAN
 DRAWING M-2

- MR. JAMES EARL
- 101 CONFERENCE
 - 102 OFFICE
 - 103 OFFICE
 - 104 RECEPTION
 - 105 RECEPTION
 - 106 WORK STATION
 - 107 RECEPTION
 - 108 OFFICE
 - 109 OFFICE
 - 110 OFFICE
 - 111 OPERATIONS
 - 112 OPERATIONS
 - 113 OPERATIONS
 - 114 ADMIN. CLERK
 - 115 INTERVIEW
 - 116 WORK STATION
 - 117 WORK STATION
 - 118 WORK STATION
 - 119 WORK STATION
 - 120 WORK STATION
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 - 124 WORK STATION
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 - 126 COPY
 - 127 COPY

ROLL CALL CENTER for the



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NO.	REV.	DATE	BY	CHK.
1				
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4				

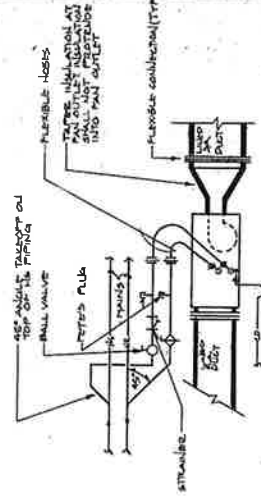
ROLL CALL CENTER for the
 LEANING - FAYETTE URBAN COUNTY GOVERNMENT
 779 FRANKFORT PIKE
 LEANING, KENTUCKY



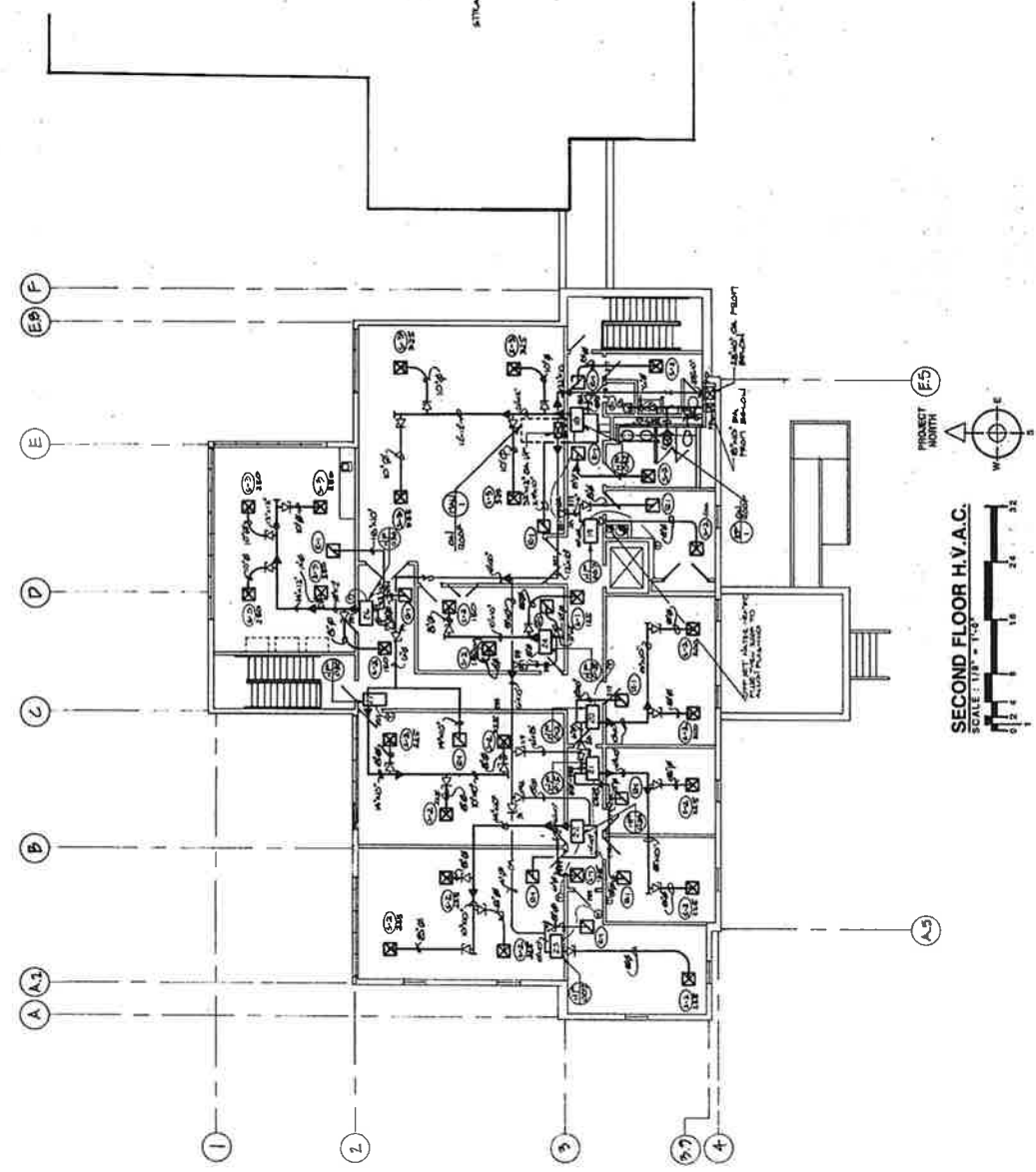
JOHNSON/KOMANOWICZ ARCHITECTS & PLANNERS
 480 SOUTH MAIN STREET, SUITE 100
 LEANING, KY 40341
 (502) 261-1111

PROJECT NO.	218
DATE	11/13/03
PROJECT	ROLL CALL CENTER
SCALE	AS SHOWN
HVAC	
SECOND FLOOR	
DRAWING M-3	

- GENERAL NOTES:**
- 201 MECHANICAL
 - 202 ELECTRICAL
 - 203 PLUMBING
 - 204 COORDINATION
 - 205 MECHANICAL
 - 206 PUMP/REC.
 - 207 MECHANICAL
 - 208 OFFICES
 - 209 CONDITON
 - 210 OFFICE
 - 211 CONFERENCE
 - 212 COORDINATION
 - 213 MECHANICAL
 - 214 MECHANICAL
 - 215 MECHANICAL
 - 216 MECHANICAL
 - 217 MECHANICAL
 - 218 MECHANICAL
 - 219 MECHANICAL



HORIZONTAL HEAT PUMP UNIT DETAIL



These record drawings have been prepared by the undersigned professional engineer and are hereby certified that they conform to the requirements of the Kentucky Statutes. The Engineer shall not be responsible for any errors or omissions which may be incorporated into this document as a result.

DATE	11/13/03
BY	D.L.J.
CHK	
APP	

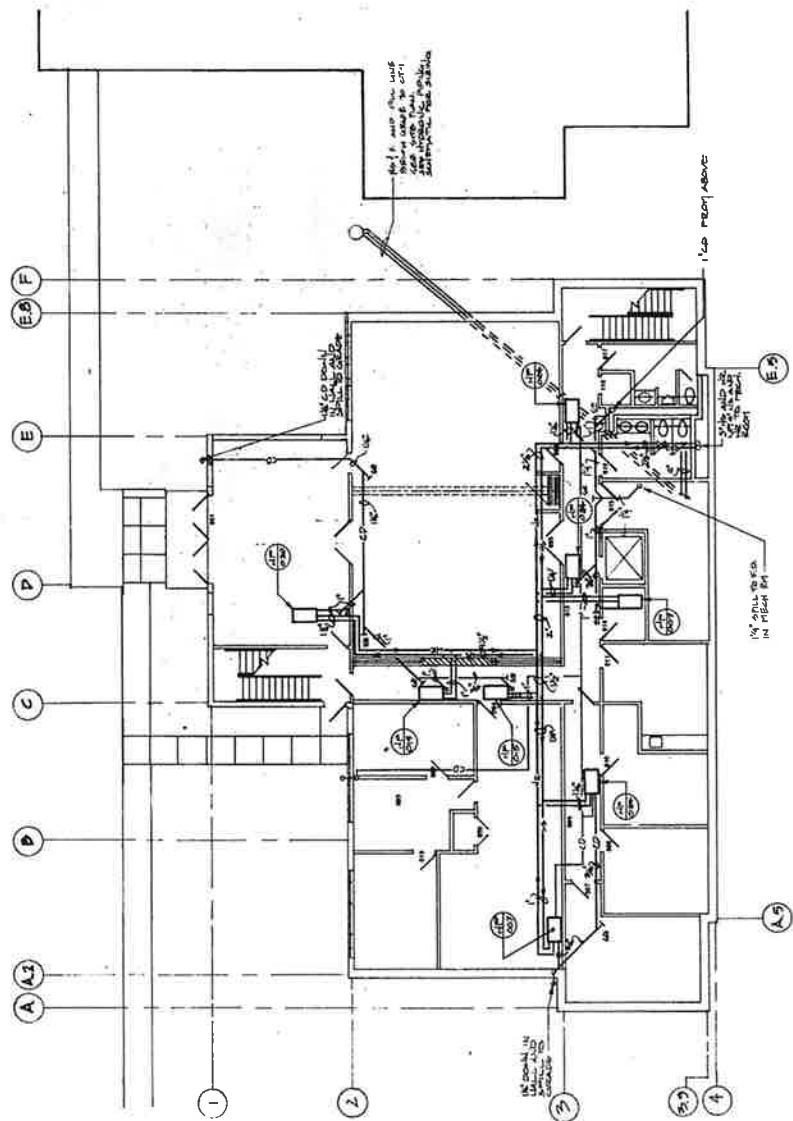
LEXINGTON - FAYETTE COUNTY GOVERNMENT
 179 FRANKFORT PIKE
 LEXINGTON, KENTUCKY



JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 1287 9th Street
 LEWISVILLE, KY 40301
 (606) 258-8222

PROJECT HYDRONICS	DATE 2-14-79
DRAWN P.M.	CHECKED P.M.
HYDRONICS	
GROUND FLOOR	
DRAWING M-4	

- GENERAL ROOMS:**
- 001 LOBBY
 - 002 RECEPTION
 - 003 SECRETARIAT
 - 004 OFFICE
 - 005 ROLL CALL 1
 - 006 ROLL CALL 2
 - 007 ROLL CALL 3
 - 008 OFFICE
 - 009 OFFICE
 - 010 SWITCH SUITE 4
 - 011 CORRIDOR
 - 012 CORRIDOR
 - 013 CORRIDOR
 - 014 MECHANICAL
 - 015 MECHANICAL
 - 016 MECHANICAL
 - 017 MECHANICAL
 - 018 JANITON
 - 019 MECHANICAL
 - 020 STORAGE



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LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 179 FRANKFORT PIKE
 LEXINGTON, KENTUCKY



JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 1801 EAST VINE STREET
 LEXINGTON, KY 40507
 (502) 251-1000

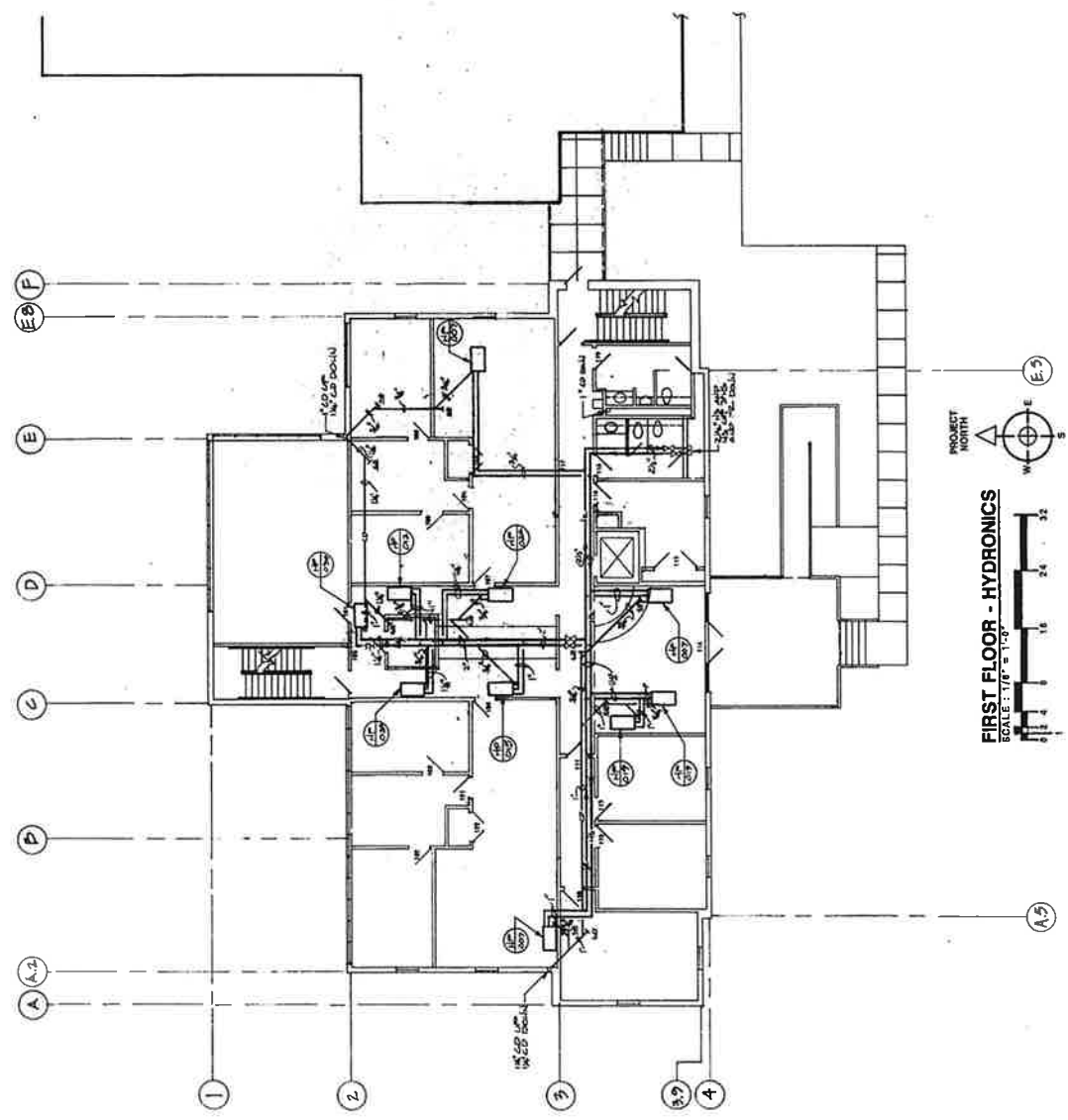
PROJECT	NO. 100
DATE	12/14/77
SCALE	1/4" = 1'-0"
DRAWN	J.M.C.
CHECKED	J.M.C.



This project is complete. These plans were prepared by the Engineer and the information contained herein is the property of the Engineer. The Engineer will not be responsible for any errors or omissions on these plans unless the Engineer is specifically named on the contract as such.

- SEE FLOOR PLANS
- 101 CONFERENCE
 - 102 OFFICE
 - 103 OFFICE
 - 104 OFFICE
 - 105 OFFICE
 - 106 OFFICE
 - 107 OFFICE
 - 108 OFFICE
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ROLL CALL CENTER for the



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

MANHATTAN HYDRONICS

LEXINGTON - FAYETTE COUNTY GOVERNMENT
 1779 FRANKFORT PIKE
 LEXINGTON, KENTUCKY

ROLL CALL CENTER for the



JOHNSON/ROMANOWICZ/ARCHITECTS & PLANNERS
 1801 2ND FLOOR
 LEXINGTON, KY 40502
 502-251-1000

PROJECT	DATE
DRYER	2.17.97
Δ CDR	
CHECKER	
SCALE	

HYDRONICS

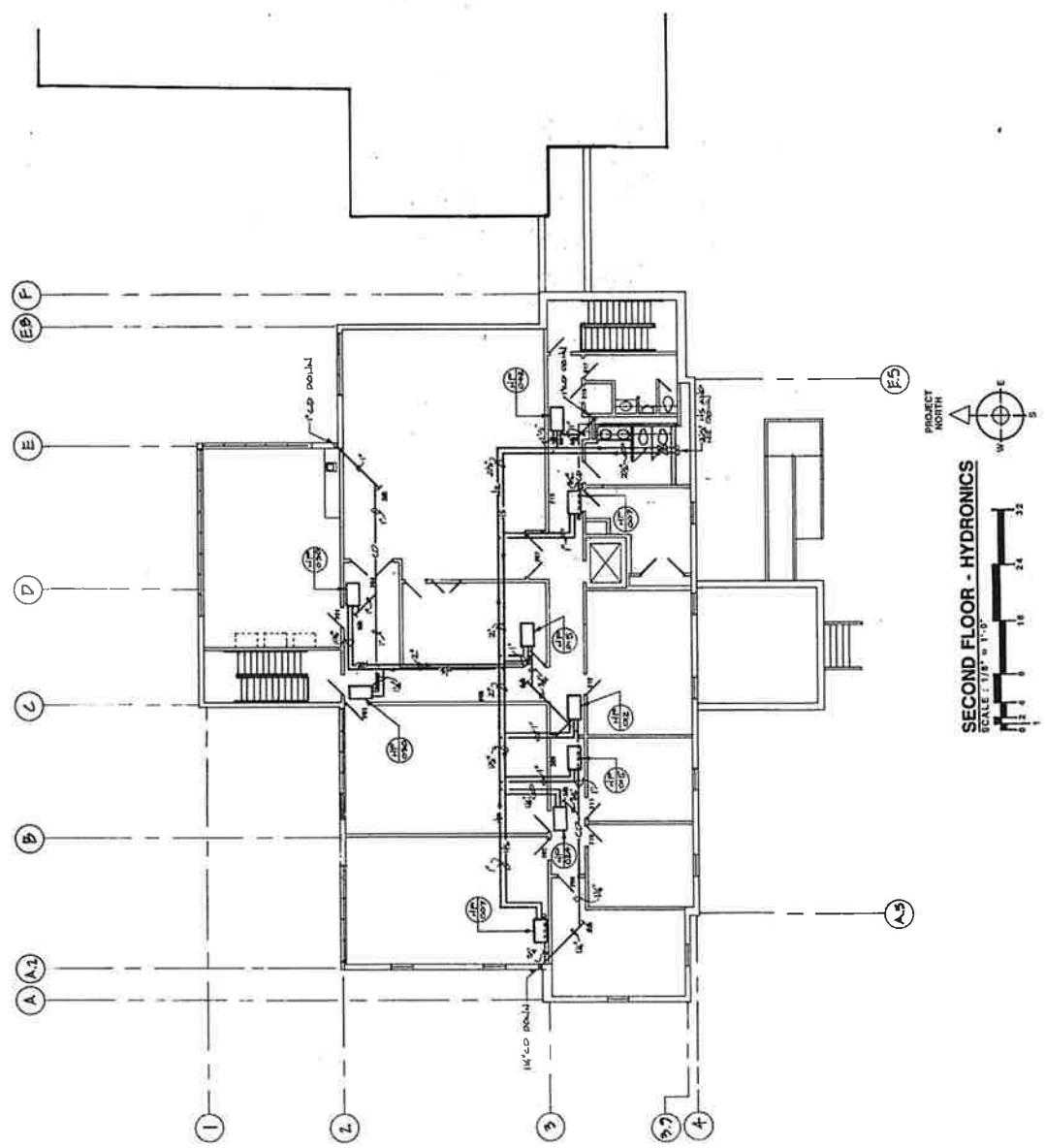
SECOND FLOOR

DRAWING
M-6

- SECOND FLOOR ROOMS
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LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
1779 FRANKFORT PIKE
LEXINGTON, KENTUCKY

ROLL CALL CENTER for the



JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
MEMBER OF THE
AMERICAN INSTITUTE OF ARCHITECTS
1000 EAST WALKER STREET
LEXINGTON, KY 40503
PH: 502-261-1111
FAX: 502-261-1112

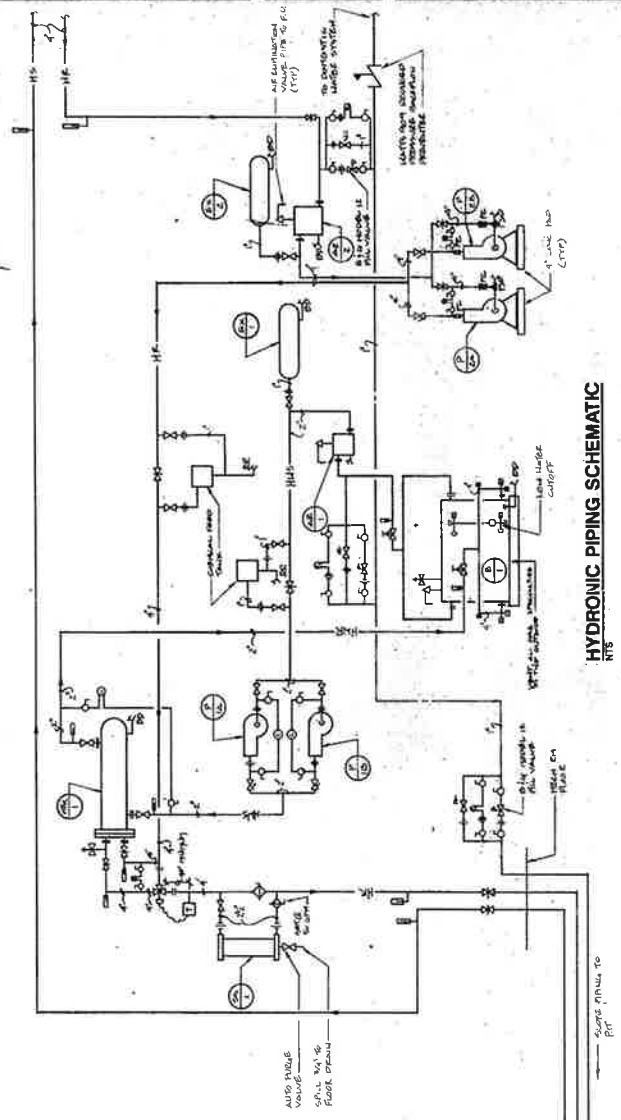
PROJECT NO.	1779-001
DATE	11/1/91
DESIGNER	PL-2
SCALE	AS SHOWN

HYDRONIC PIPING SCHEMATIC

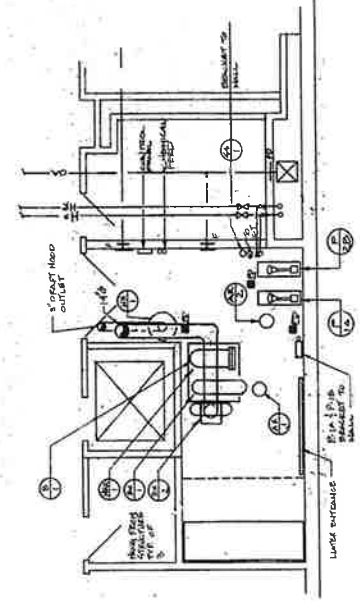
DRAWING M-7



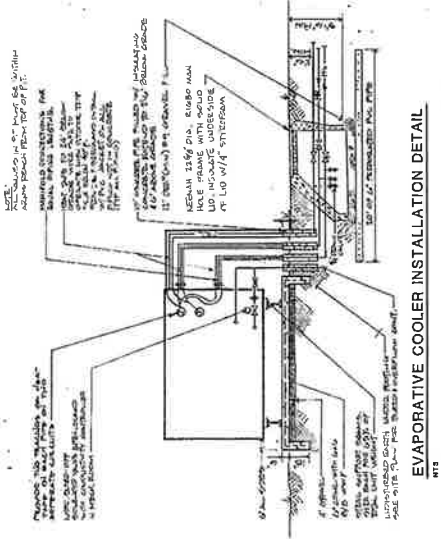
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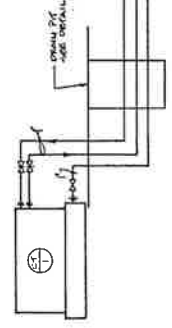
HYDRONIC PIPING SCHEMATIC
NTS



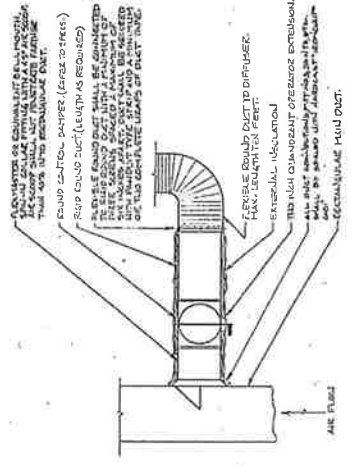
ENLARGED MECHANICAL ROOM PLAN
SCALE: 1/4" = 1'-0"



EVAPORATIVE COOLER INSTALLATION DETAIL
NTS



TYPICAL ROUND SUPPLY AIR BRANCH DUCT TAKE-OFF DETAIL
NTS



EXISTING BUILDINGS, LAYOUT

- EXISTING GARAGE BUILDING
- EXISTING ARMORY BUILDING
- EXISTING ROLL CALL CENTER
- EXISTING RADIO TOWER
- EXISTING OLD FRANKFORT PRE

- EXISTING SERVICE PIPES
- EXISTING ELECTRICAL SERVICE
- EXISTING MECHANICAL SERVICE

- EXISTING FOUNDATIONS
- EXISTING FOUNDATIONS
- EXISTING FOUNDATIONS

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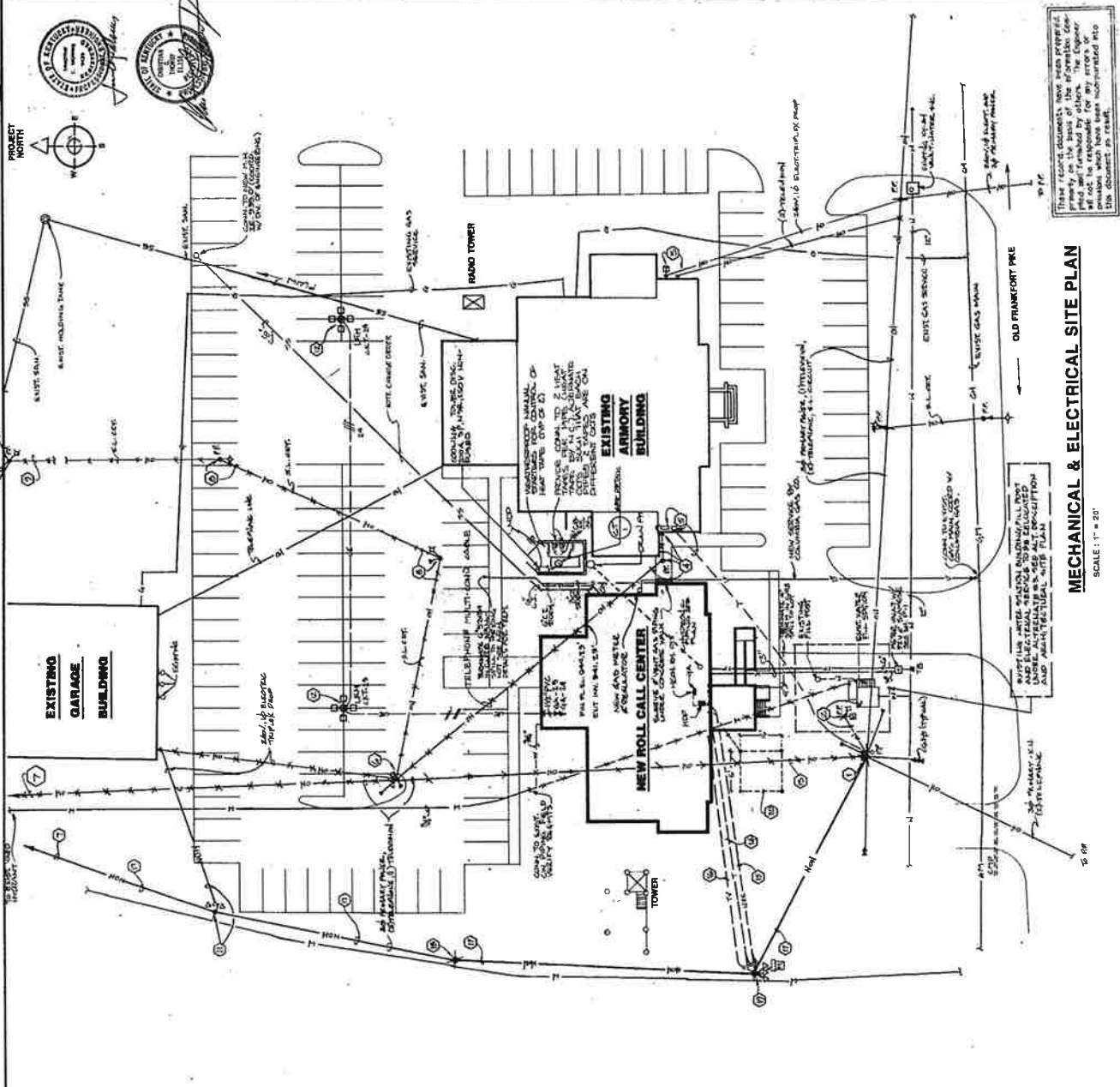
- EXISTING FOUNDATIONS
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- EXISTING FOUNDATIONS
- EXISTING FOUNDATIONS



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LEWISBURG - FAYETTE COUNTY GOVERNMENT
179 FRANKFORT PIKE
LEWISBURG, KENTUCKY

JOHNSON ROMANOWITZ ARCHITECTS & PLANNERS
 100 SOUTH MAIN STREET
 LEWISBURG, KY 40361
 (606) 942-0020

SITE UTILITIES
MECH & ELECT

MECHANICAL & ELECTRICAL SITE PLAN
 SCALE: 1" = 20'

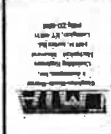
REVISIONS: ALL AMENDMENTS TO THIS PLAN MUST BE MADE ON A SEPARATE SHEET AND IDENTIFIED WITH THE PLAN SHEET NUMBER.

- 1. PROVIDE ELECTRICAL SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 2. PROVIDE MECHANICAL SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 3. PROVIDE WATER SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 4. PROVIDE SEWER SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 5. PROVIDE GAS SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 6. PROVIDE RAINWATER DRAINAGE SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 7. PROVIDE LANDSCAPING SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 8. PROVIDE PAVEMENT SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 9. PROVIDE FENCE SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 10. PROVIDE UTILITY SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 11. PROVIDE SECURITY SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 12. PROVIDE TELECOMMUNICATIONS SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 13. PROVIDE FIRE PROTECTION SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 14. PROVIDE PEST CONTROL SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 15. PROVIDE MAINTENANCE SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 16. PROVIDE WASTE MANAGEMENT SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 17. PROVIDE ENERGY EFFICIENCY SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 18. PROVIDE SUSTAINABLE DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 19. PROVIDE ACCESSIBILITY SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 20. PROVIDE ARCHITECTURAL SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 21. PROVIDE INTERIOR DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 22. PROVIDE EXTERIOR DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 23. PROVIDE LIGHTING DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 24. PROVIDE SOUND DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 25. PROVIDE VIBRATION DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 26. PROVIDE AIR QUALITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 27. PROVIDE THERMAL COMFORT DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 28. PROVIDE ILLUMINATION DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 29. PROVIDE VISUAL QUALITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 30. PROVIDE CULTURAL RESOURCE DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 31. PROVIDE HISTORIC PRESERVATION DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 32. PROVIDE MONUMENTAL DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 33. PROVIDE PARK DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 34. PROVIDE TRANSPORTATION DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 35. PROVIDE UTILITIES DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 36. PROVIDE WATER SUPPLY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 37. PROVIDE WASTEWATER TREATMENT DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 38. PROVIDE SOLID WASTE DISPOSAL DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 39. PROVIDE AIR POLLUTION CONTROL DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 40. PROVIDE NOISE CONTROL DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 41. PROVIDE CLIMATE CONTROL DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 42. PROVIDE ENERGY CONSERVATION DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 43. PROVIDE GREEN BUILDING DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 44. PROVIDE LEED CERTIFICATION DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 45. PROVIDE WELL-BEING DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 46. PROVIDE SOCIAL EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 47. PROVIDE COMMUNITY DEVELOPMENT DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 48. PROVIDE ECONOMIC DEVELOPMENT DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 49. PROVIDE ENVIRONMENTAL JUSTICE DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 50. PROVIDE RACIAL EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 51. PROVIDE GENDER EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 52. PROVIDE LINGUISTIC EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 53. PROVIDE AGE EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 54. PROVIDE DISABILITY EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 55. PROVIDE EDUCATIONAL EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 56. PROVIDE EMPLOYMENT EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 57. PROVIDE HOUSING EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 58. PROVIDE INTERCULTURAL EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 59. PROVIDE LABOR EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 60. PROVIDE LEADERSHIP EQUITY DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 61. PROVIDE LIVING WAGES DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 62. PROVIDE LOCAL ECONOMIC DEVELOPMENT DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 63. PROVIDE LOCAL FOOD SYSTEMS DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 64. PROVIDE LOCAL INDUSTRIAL DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 65. PROVIDE LOCAL INFRASTRUCTURE DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 66. PROVIDE LOCAL INFRASTRUCTURE DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 67. PROVIDE LOCAL INFRASTRUCTURE DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 68. PROVIDE LOCAL INFRASTRUCTURE DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 69. PROVIDE LOCAL INFRASTRUCTURE DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.
- 70. PROVIDE LOCAL INFRASTRUCTURE DESIGN SERVICE TO ALL BUILDINGS AND EQUIPMENT AS SHOWN ON THESE PLANS.

Based on Pylon Lighting Standard Base
 30/100
 30/100
 30/100
 30/100

LEONATON - FAYETTE URBAN COUNTY GOVERNMENT
 679 FRANKFORT PIKE
 LEONATON, KENTUCKY

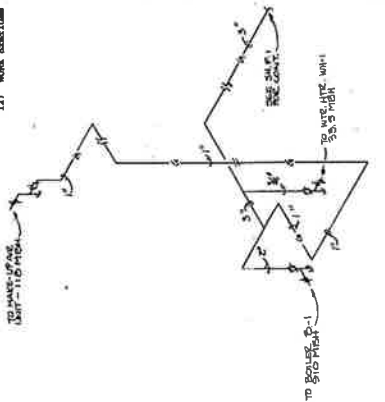
ROLL CALL CENTER for the



JOHNSON/ROMANOWICZ/ARCHITECTS & PLANNERS
 405 EAST FIVE STREET
 LEONATON, KY 40328
 (606) 252-2222
 (606) 252-2022

PLAN	PROJECT	SHEET	DATE
PLUMBING	ROLL CALL CENTER	100	5-14-77
FIRST FLOOR PLAN			
DRAWING P-2			

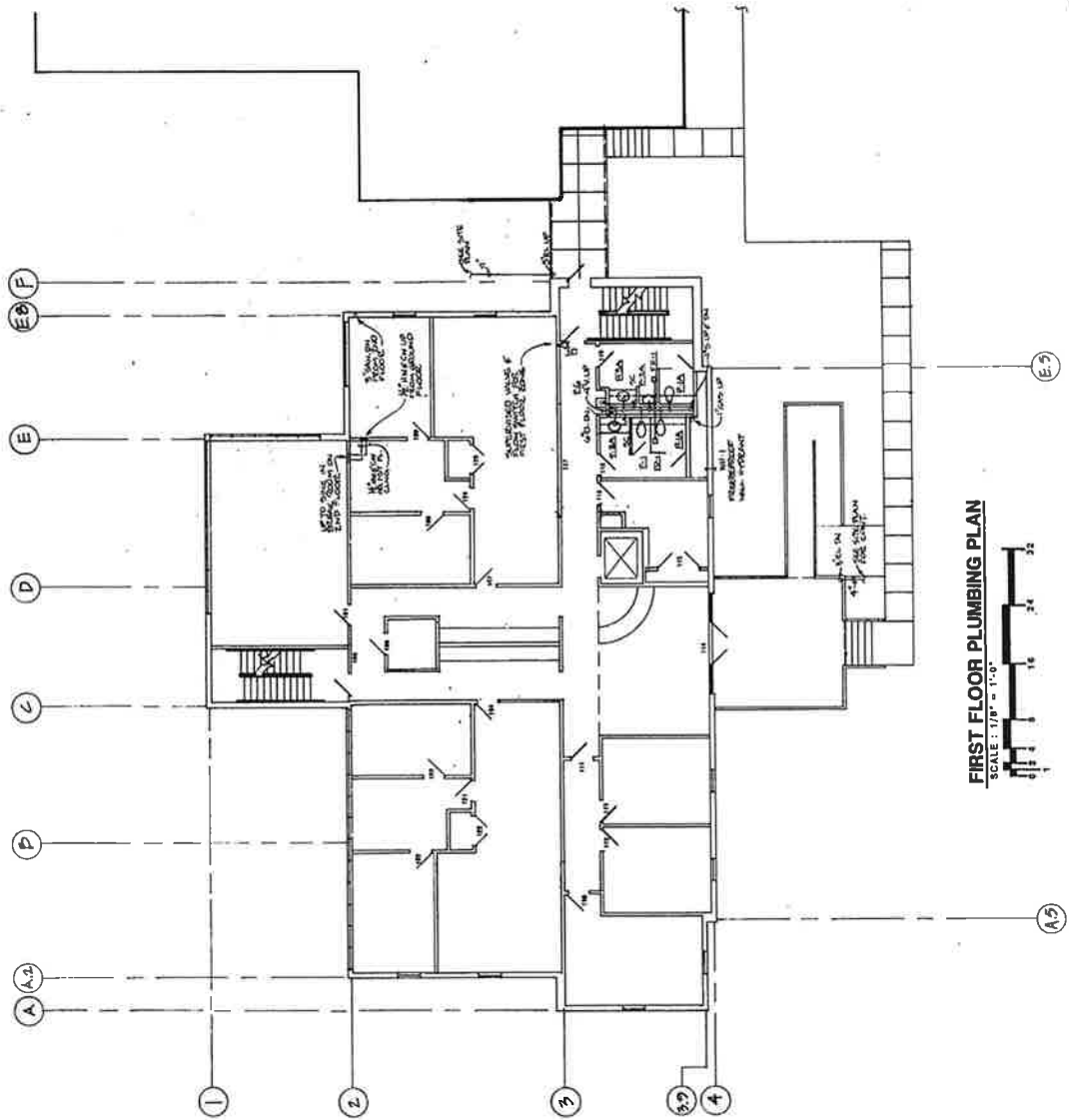
- REV. REVISIONS
- 101 CONFERENCE
 - 102 OFFICE
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GAS PIPING DIAGRAM
NO SCALE



These record documents have been inspected. Their compliance with the applicable codes and standards has been verified. The Engineer is not responsible for any errors or omissions that may appear hereafter incorporated into this document, as noted.



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

1	2	3	4

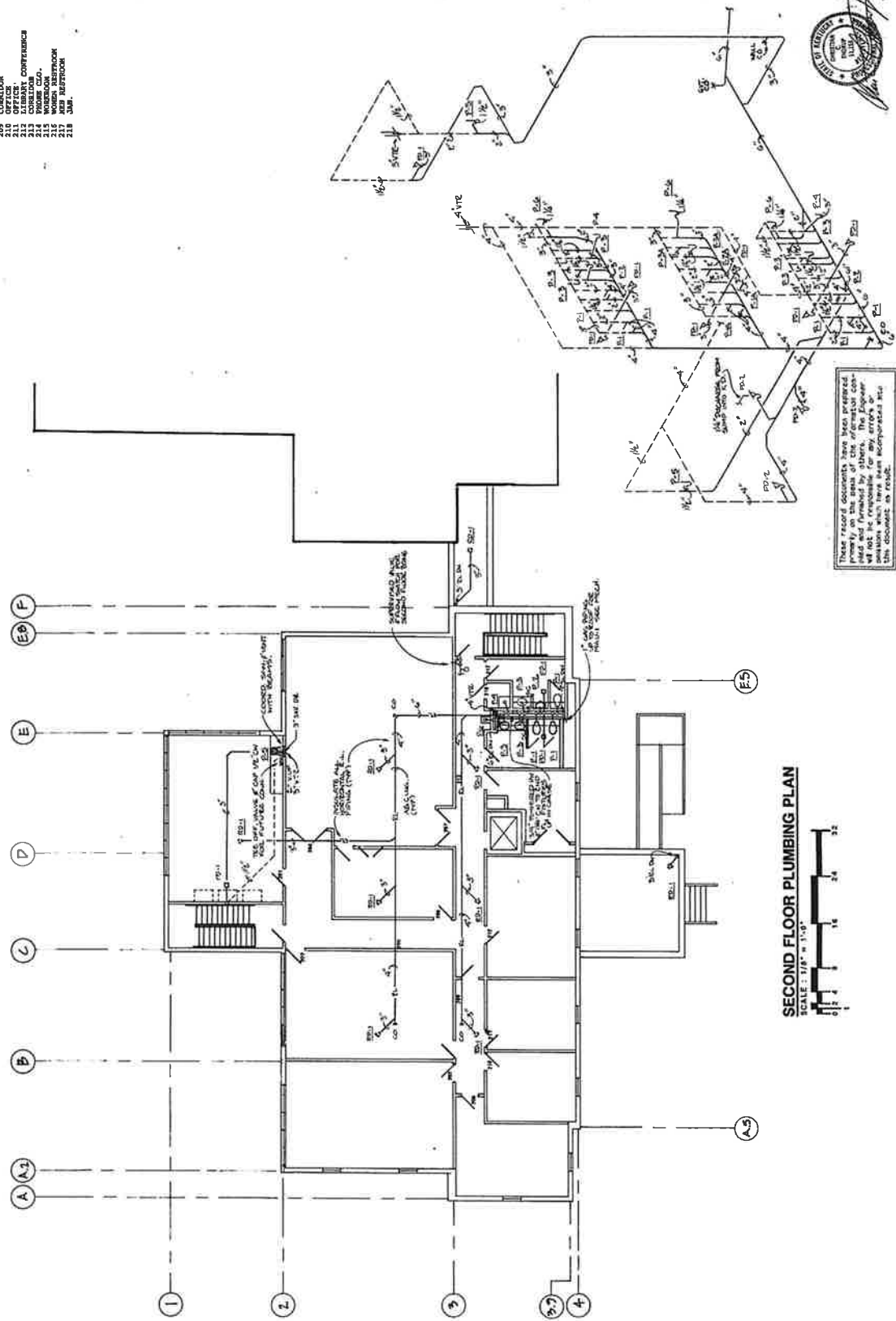
LENGTON - FAYETTE COUNTY GOVERNMENT
 779 FRANKFORT PIKE
 LENGTON, KENTUCKY



JOHNSON/ROMANOWICZ/ARCHITECTS & PLANNERS
 1001 EAST 10TH STREET
 COVINGTON, KY 40303
 (502) 244-4400

PROJECT NO.	200
DATE	12-17-91
PLUMBING	
SECOND FLOOR	
DRAWING	P-3

- SECOND FLOOR PLAN**
- 201 BREAKROOM
 - 202 OFFICE
 - 203 CONFERENCE
 - 204 CORRIDOR
 - 205 CORRIDOR
 - 206 PRINT/STORAGE
 - 207 OFFICE
 - 208 CORRIDOR
 - 209 CORRIDOR
 - 210 OFFICE
 - 211 OFFICE
 - 212 CONFERENCE
 - 213 CORRIDOR
 - 214 MEN'S ROOM
 - 215 WOMEN RESTROOM
 - 216 JAN



These record documents have been prepared and furnished by others. The Engineer will not be responsible for any errors or omissions in the work incorporated in this document as made.

SOIL, WASTE & VENT RISER DIAGRAM
 AS SCALE

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

1	2	3	4
5	6	7	8

JERRY A. TAYLOR & ASSOCIATES
CONSULTING ENGINEERS
249 EAST MAIN ST. LEXINGTON, KY. 40507

ROLL CALL CENTER
for the
LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
OLD FRAKFORT PKE
LEXINGTON, KENTUCKY

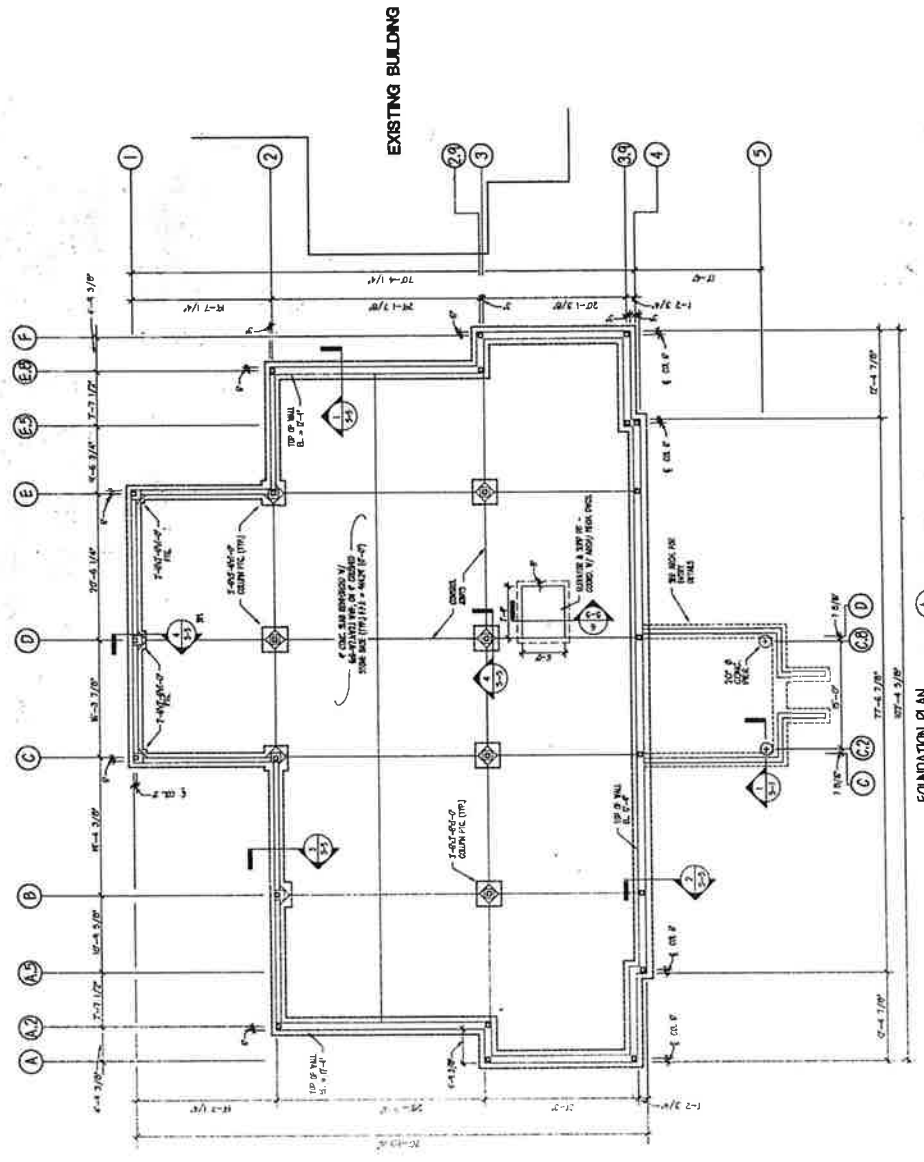
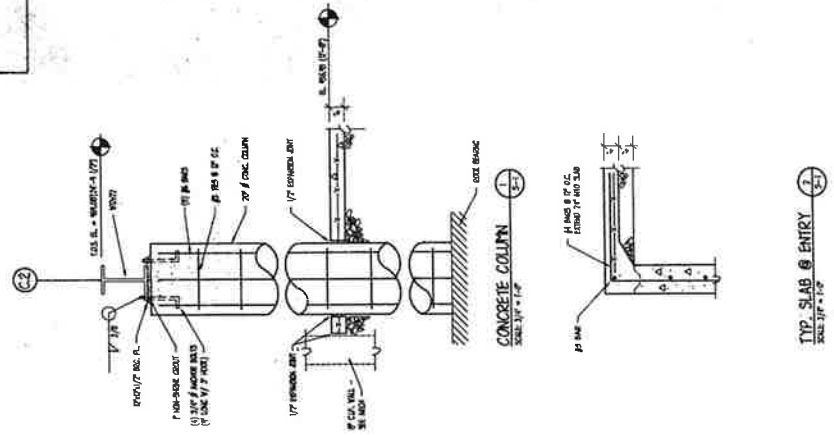
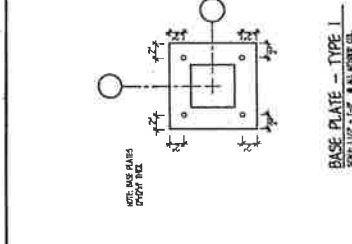
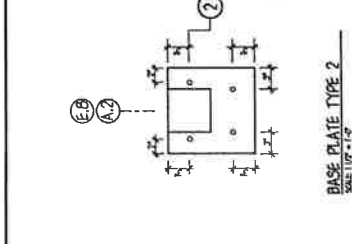
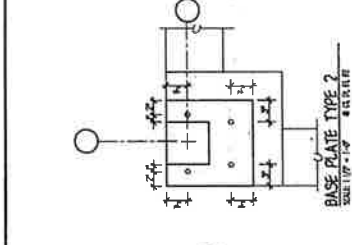
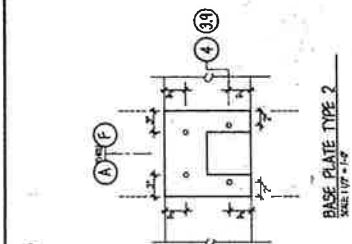
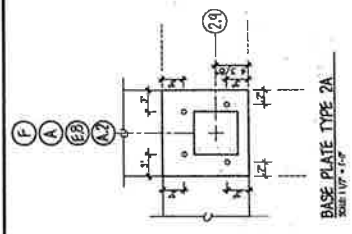
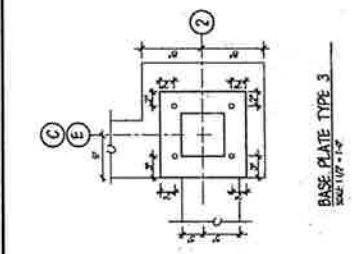


JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
10000 WOODBURN AVENUE
LEXINGTON, KY 40502
502-278-1111

PROJECT	NO. 10000
DATE	NOV. 78
DESIGNED BY	J.A.T.
CHECKED BY	J.A.T.
DATE	NOV. 78
SCALE	AS SHOWN

DRAWING
S-1

RECORD DRAWINGS
JULY 8, 1982



LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
 OLD FRAUNKFORD PKE
 LEXINGTON, KENTUCKY

for the
 ROLL CALL CENTER

249 EAST MAIN ST. LEXINGTON KY. 40507
 JERRY A. TAYLOR & ASSOCIATES
 CONSULTING ENGINEERS



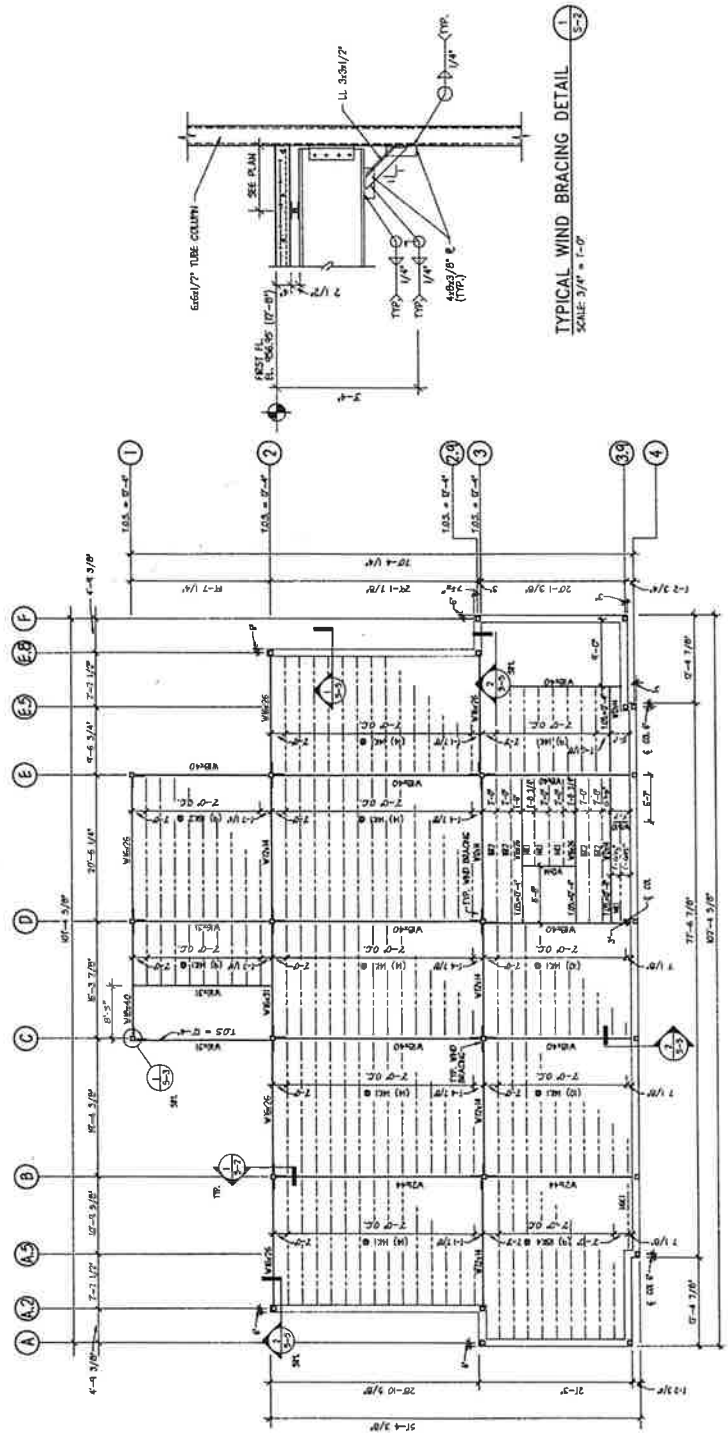
JOHNSON/ROMANOWITZ/ARCHITECTS & PLANNERS
 1000 WEST MAIN ST.
 LEXINGTON, KY. 40502
 (502) 258-0000

DESIGNED	PROJECT
CHECKED	DATE
DATE	BY
BY	REV.

FIRST FLOOR FRAMING PLAN

DRAWING
S-2

RECORD DRAWINGS
 JULY 8, 1992



TYPICAL WIND BRACING DETAIL
 SCALE: 3/4" = 1'-0"

NOTES:
 1. SEE ALL OTHER DRAWINGS FOR DETAILS.
 2. SEE ALL OTHER DRAWINGS FOR DETAILS.
 3. SEE ALL OTHER DRAWINGS FOR DETAILS.

JERRY A. TAYLOR & ASSOCIATES
CONSULTING ENGINEERS
249 EAST MAIN ST. LEXINGTON KY. 40507

LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
OLD FRAKNOY PKE
LEXINGTON, KENTUCKY

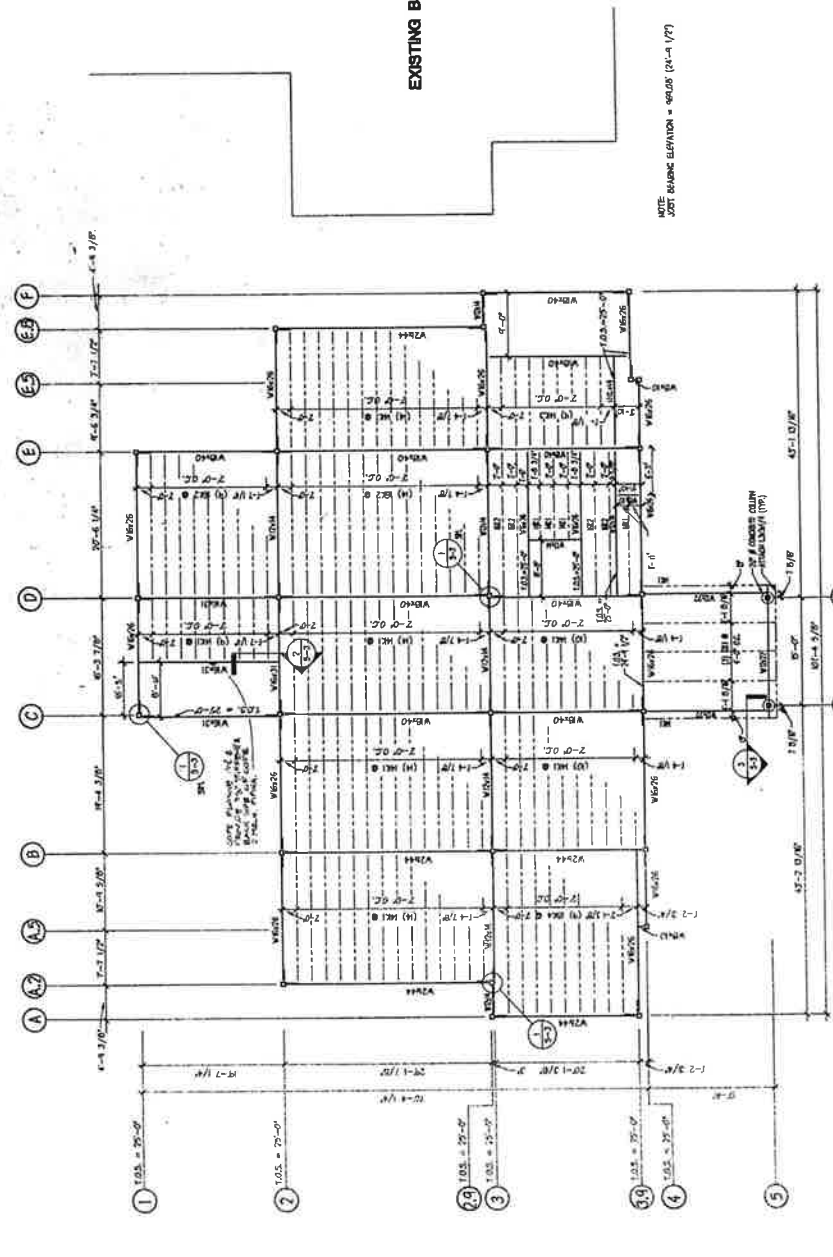
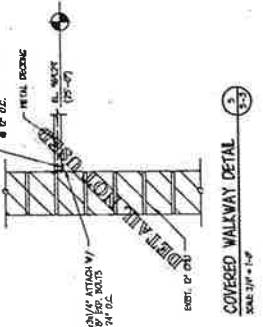
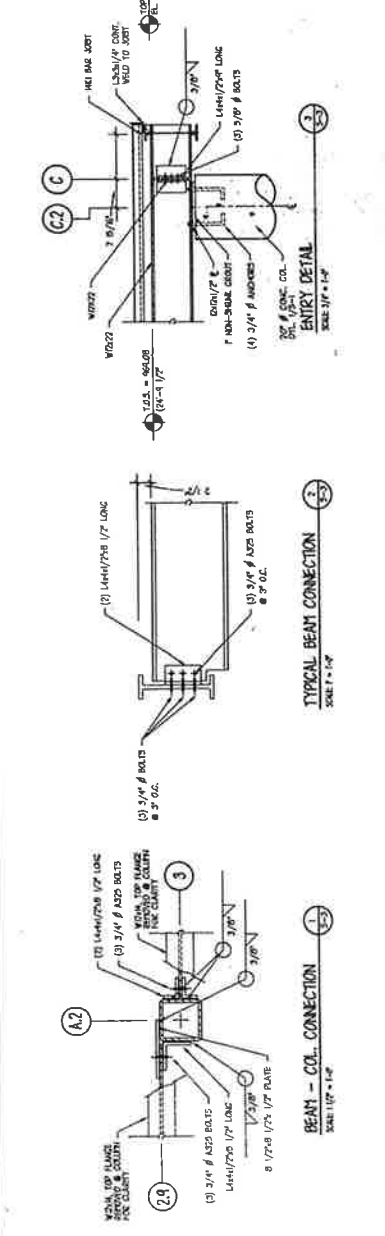


JOHNSON/ROMANOWITZ ARCHITECTS & PLANNERS
1000 EAST MAIN STREET
LEXINGTON, KY 40502
PH: 502-261-1111
FAX: 502-261-1112

PROJECT	NO. 10000
DATE	NOV. 77
DESIGNED BY	JAT
CHECKED BY	JAT
SCALE	AS SHOWN

RECORD DRAWINGS
JULY 8, 1992

DRAWING
S-3



RECORD DRAWINGS
JULY 8, 1992

DRAWING
S-3



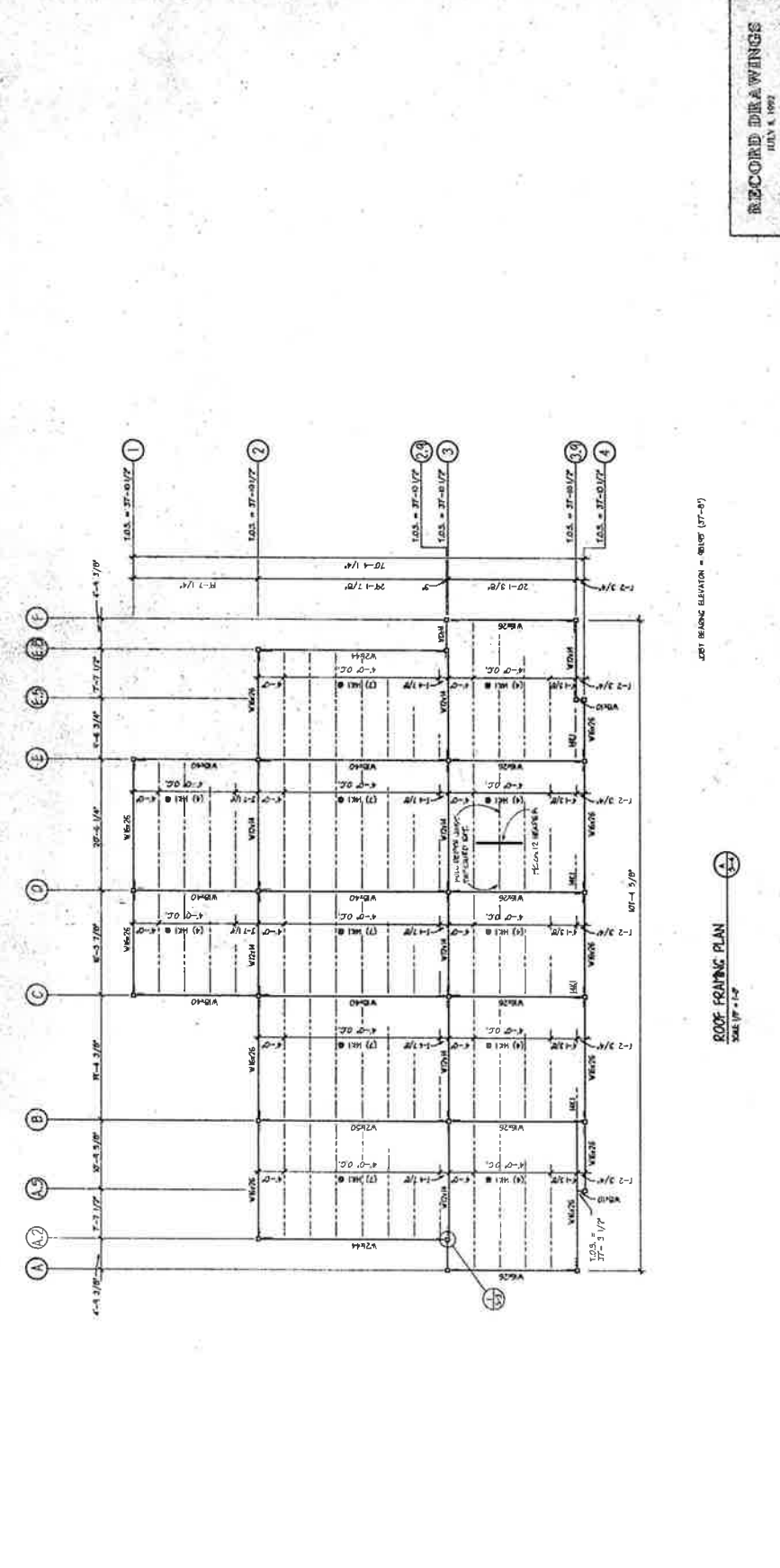
ROLL CALL CENTER
 For the
 JERRY A. TAYLOR & ASSOCIATES
 CONSULTING ENGINEERS
 240 EAST MAIN ST. LEXINGTON KY, 40507

F. STEEL JOIST
 1. STEEL JOIST SHALL BE CONSIDERED TO BE SUPPORTED BY CONCRETE OR OTHER SUPPORTS AT ALL POINTS OF SUPPORT.
 2. JOIST CHORDS AND DIAPHRAGMS SHALL BE PROVIDED WITH A MINIMUM OF 1/4" THICKNESS. JOIST CHORDS SHALL BE PROVIDED WITH A MINIMUM OF 1/4" THICKNESS. JOIST CHORDS SHALL BE PROVIDED WITH A MINIMUM OF 1/4" THICKNESS.
 3. JOIST CHORDS SHALL BE PROVIDED WITH A MINIMUM OF 1/4" THICKNESS. JOIST CHORDS SHALL BE PROVIDED WITH A MINIMUM OF 1/4" THICKNESS. JOIST CHORDS SHALL BE PROVIDED WITH A MINIMUM OF 1/4" THICKNESS.

G. CONCRETE
 1. ALL CONCRETE SHALL BE PROVIDED WITH A MINIMUM OF 4000 PSI STRENGTH.
 2. ALL CONCRETE SHALL BE PROVIDED WITH A MINIMUM OF 4000 PSI STRENGTH.
 3. ALL CONCRETE SHALL BE PROVIDED WITH A MINIMUM OF 4000 PSI STRENGTH.

H. CAST IN PLACE CONCRETE
 1. ALL CONCRETE SHALL BE PROVIDED WITH A MINIMUM OF 4000 PSI STRENGTH.
 2. ALL CONCRETE SHALL BE PROVIDED WITH A MINIMUM OF 4000 PSI STRENGTH.
 3. ALL CONCRETE SHALL BE PROVIDED WITH A MINIMUM OF 4000 PSI STRENGTH.

I. ROOF FRAMING
 1. ALL ROOF FRAMING SHALL BE PROVIDED WITH A MINIMUM OF 4000 PSI STRENGTH.
 2. ALL ROOF FRAMING SHALL BE PROVIDED WITH A MINIMUM OF 4000 PSI STRENGTH.
 3. ALL ROOF FRAMING SHALL BE PROVIDED WITH A MINIMUM OF 4000 PSI STRENGTH.



JOIST BEAM ELEVATION = 60'0" (37'-0")

ROOF FRAMING PLAN
 SCALE 1/8" = 1'-0"

LEXINGTON - PAYETTE URBAN COUNTY GOVERNMENT
 OLD FRANKFORT PIKE
 LEXINGTON, KENTUCKY

JERRY A. TAYLOR & ASSOCIATES
 CONSULTING ENGINEERS
 249 EAST MAIN ST. LEXINGTON KY. 40507

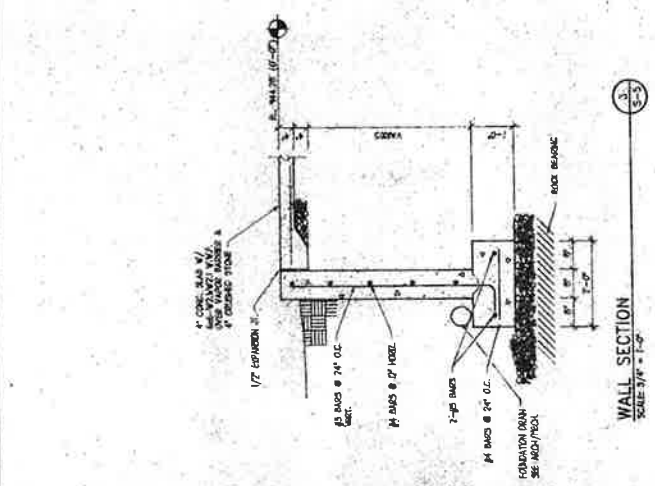


JOHNSON/ROMANOWITZ ARCHITECTS & PLANNERS
 1000 COMMONWEALTH BLVD., SUITE 200
 LEXINGTON, KY 40502
 (606) 253-1111

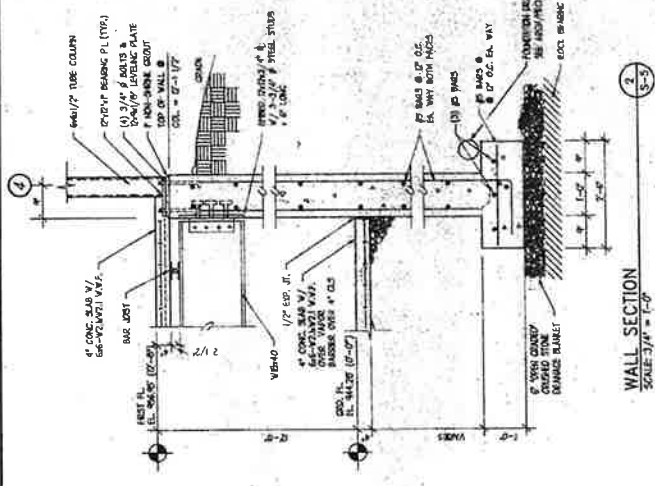
DATE	NO.	DESCRIPTION

FOUNDATION DETAIL
 DRAWING
S-5

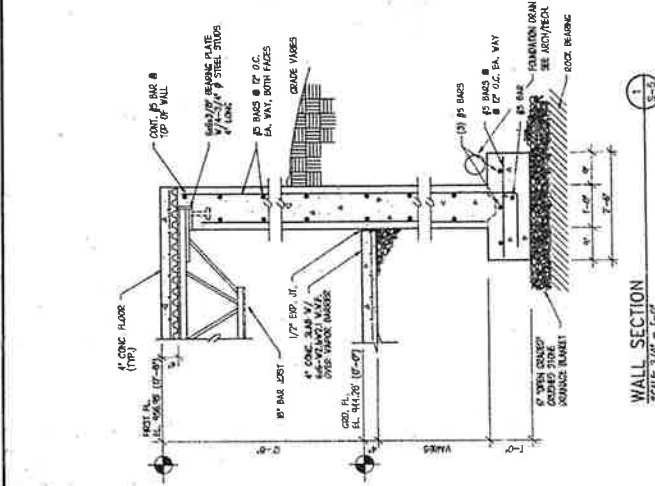
RECORD DRAWINGS
 JULY 3, 1992



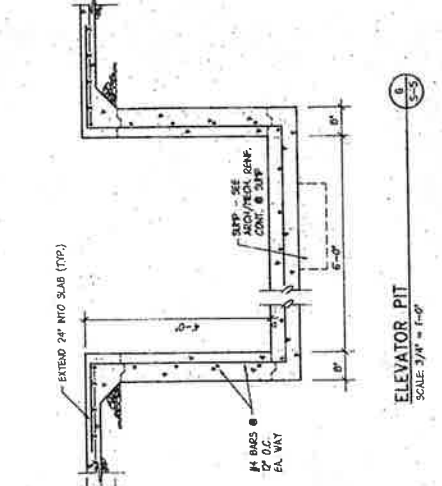
WALL SECTION
 SCALE 3/4" = 1'-0"



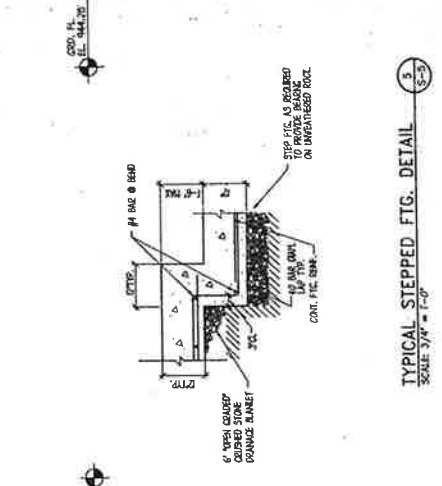
WALL SECTION
 SCALE 3/4" = 1'-0"



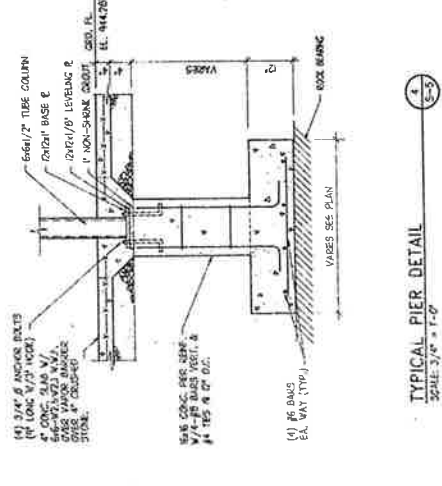
WALL SECTION
 SCALE 3/4" = 1'-0"



ELEVATOR PIT
 SCALE 3/4" = 1'-0"



TYPICAL STEPPED FTG. DETAIL
 SCALE 3/4" = 1'-0"



TYPICAL PIER DETAIL
 SCALE 3/4" = 1'-0"

RFP ATTACHMENT: F
Preliminary Plans for Reference
Only (Not For Construction)

Renovations For:

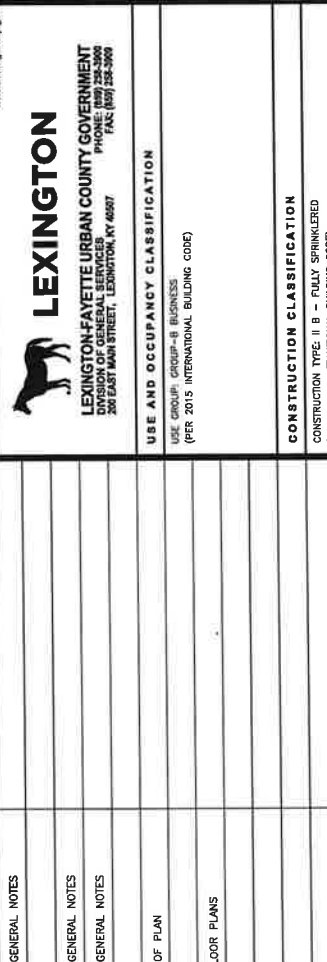
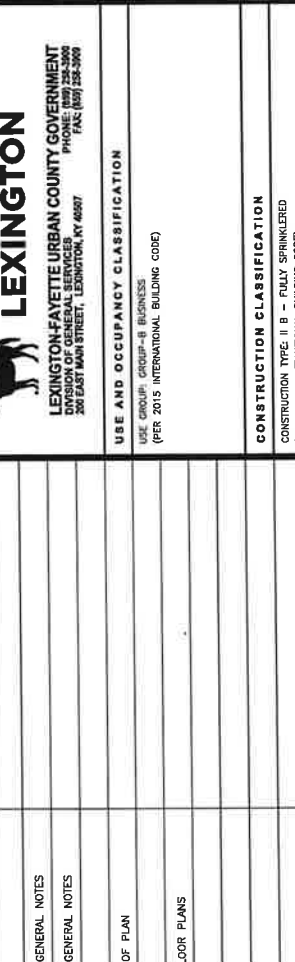
Police West Roll Call

1795 Old Frankfort Pike, Lexington, KY 40504

Envelope Improvements

April, 2023

PRELIMINARY - NOT FOR CONSTRUCTION

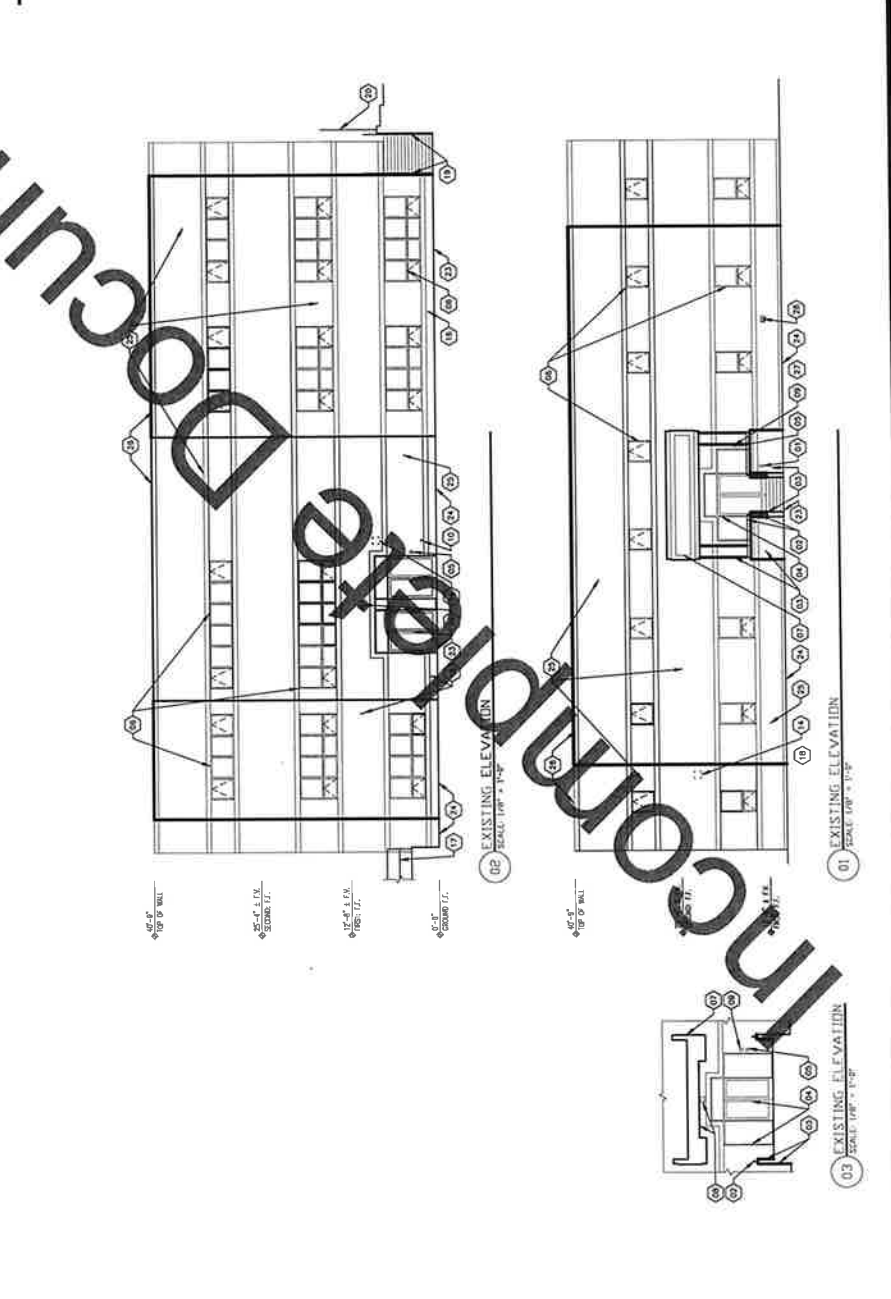
SITE LOCATION	FOR REFERENCE ONLY	BUILDING INFORMATION
<p>VICINITY MAP</p> 		<p>OWNER</p> <p>LEXINGTON LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT DIVISION OF GENERAL SERVICES 201 EAST MAIN STREET, LEXINGTON, KY 40507 PHONE: (606) 258-3000 FAX: (606) 258-3000 www.lexingtonky.gov</p>
<p>KEY PLAN</p> 		<p>USE AND OCCUPANCY CLASSIFICATION</p> <p>USE GROUP: GROUP-B BUSINESS (PER 2015 INTERNATIONAL BUILDING CODE)</p>
		<p>CONSTRUCTION CLASSIFICATION</p> <p>CONSTRUCTION TYPE: II B - FULLY SPRINKLERED (PER 2015 INTERNATIONAL BUILDING CODE)</p>
		<p>BUILDING AREA</p> <p>GROUND FLOOR: 5,700 SF FIRST FLOOR: 5,700 SF GROUND FLOOR: 5,700 SF TOTAL AREA: 17,100 SF</p>

NOT TO SCALE

GENERAL NOTES - EXISTING ELEVATIONS

1. SET NOTES IN THIS DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS WHICH ARE REFERENCED HEREIN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
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10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

- KEY NOTES - EXISTING ELEVATIONS**
01. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 02. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 03. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 04. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 05. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 06. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 07. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 08. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 09. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 10. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 11. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 12. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
 13. EXISTING ROOF - FELD VERIFY, REMOVE, REPAIR, AND REINSTALL.
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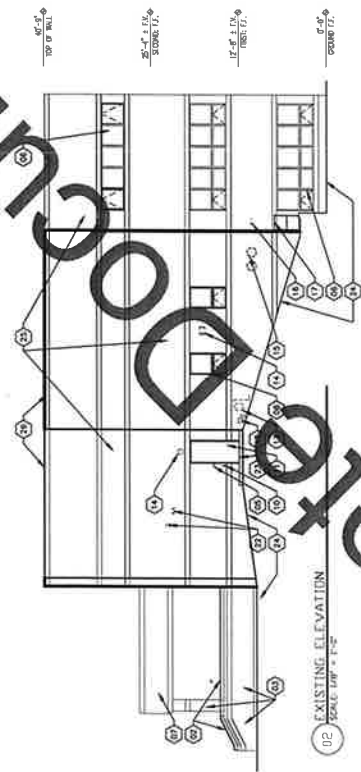
PRELIMINARY
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GENERAL NOTES - EXISTING ELEVATIONS

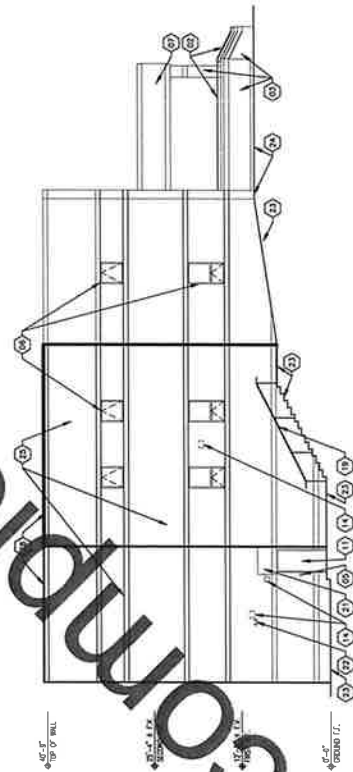
1. ALL EXISTING WALLS SHALL BE REPAIRED AND FINISHED TO MATCH ADJACENT WALLS.
2. ALL EXISTING WALLS SHALL BE REPAIRED AND FINISHED TO MATCH ADJACENT WALLS.
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11. ALL EXISTING WALLS SHALL BE REPAIRED AND FINISHED TO MATCH ADJACENT WALLS.

KEY-NOTES - EXISTING ELEVATIONS

01. EXISTING WALL - FIELD VENT, SERVICE, FINISH, AND TRIM.
02. EXISTING WALL - FIELD VENT, SERVICE, FINISH, AND TRIM.
03. EXISTING WALL - FIELD VENT, SERVICE, FINISH, AND TRIM.
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30. EXISTING WALL - FIELD VENT, SERVICE, FINISH, AND TRIM.



02 EXISTING ELEVATION
SCALE: 1/8" = 1'-0"



01 EXISTING ELEVATION
SCALE: 1/8" = 1'-0"

LEXINGTON
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
200 EAST MAIN STREET, LEXINGTON, KY 40507
PHONE: (606) 258-3000
FAX: (606) 258-3000
WWW.LEXINGTONKY.GOV

FOR REFERENCE ONLY

RENOVATIONS FOR:
LEXINGTON POLICE DEPARTMENT
POLICE WEST ROLL CALL
LEXINGTON, KY

DATE: 04/12/2021
DRAWN BY:
CHECKED BY:
APPROVED BY:
SHEET NO: **A5-1**

EXISTING BUILDING ELEVATIONS

NOT FOR CONSTRUCTION

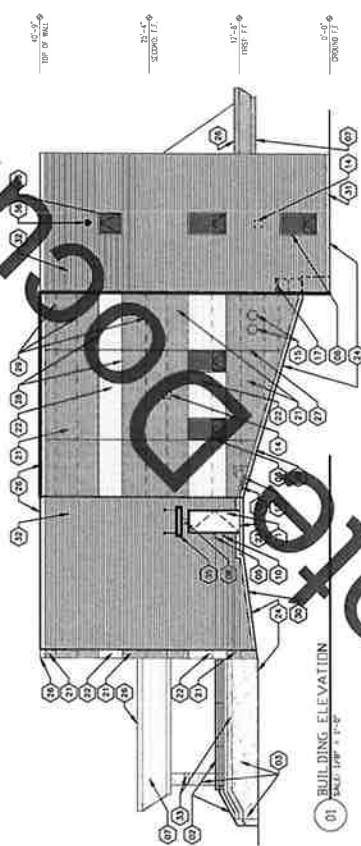
PRELIMINARY

GENERAL NOTES - BUILDING ELEVATIONS

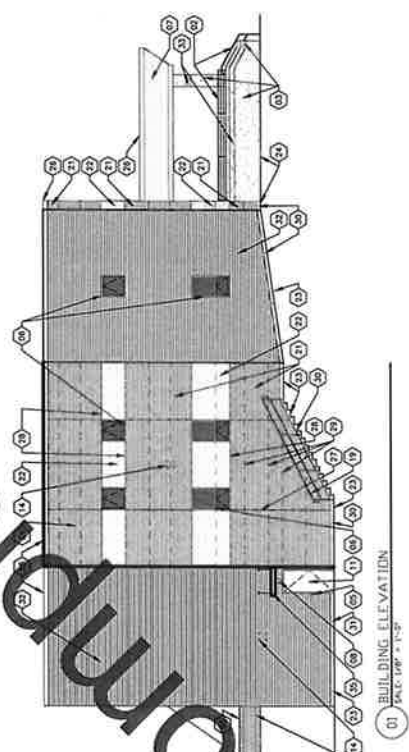
1. SEE ARCHITECT'S GENERAL NOTES AND SPECIFICATIONS FOR MATERIALS AND FINISHES.
2. FURNISH ALL BUILDING MATERIALS AS SPECIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
3. EXISTING CONDITIONS ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AS NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AS NECESSARY TO COMPLETE THE WORK.
4. PROTECT ALL BUILDINGS AND BUILDING PARTS TO REMAIN - PROTECT ALL WORK TO BE PERFORMED WITHIN THE EXISTING FOOTPRINT OF THE BUILDING.
5. PROTECT ALL EXISTING UTILITIES AND SERVICES TO REMAIN - PROTECT ALL WORK TO BE PERFORMED WITHIN THE EXISTING FOOTPRINT OF THE BUILDING.
6. PROVIDE PROPER BRACING FOR WALLS AND/OR CEILING AS NECESSARY.
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15. PROVIDE PROPER BRACING FOR WALLS AND/OR CEILING AS NECESSARY.

KEY NOTES - BUILDING ELEVATIONS

1. EXISTING WORK TO BE REPRODUCED BY CONTRACTOR.
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100. NEW CONCRETE SHALL BE CAST IN PLACE.



01 BUILDING ELEVATION
SCALE: 1/8" = 1'-0"



01 BUILDING ELEVATION
SCALE: 1/8" = 1'-0"

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LEXINGTON
 LEXINGTON-FAVETTE URBAN COUNTY GOVERNMENT
 DIVISION OF CAPITAL SERVICES
 200 EAST MAIN STREET, LEXINGTON, KY 40507
 PHONE: 606-258-2800
 FAX: 606-258-2808
 www.lexingtonky.gov

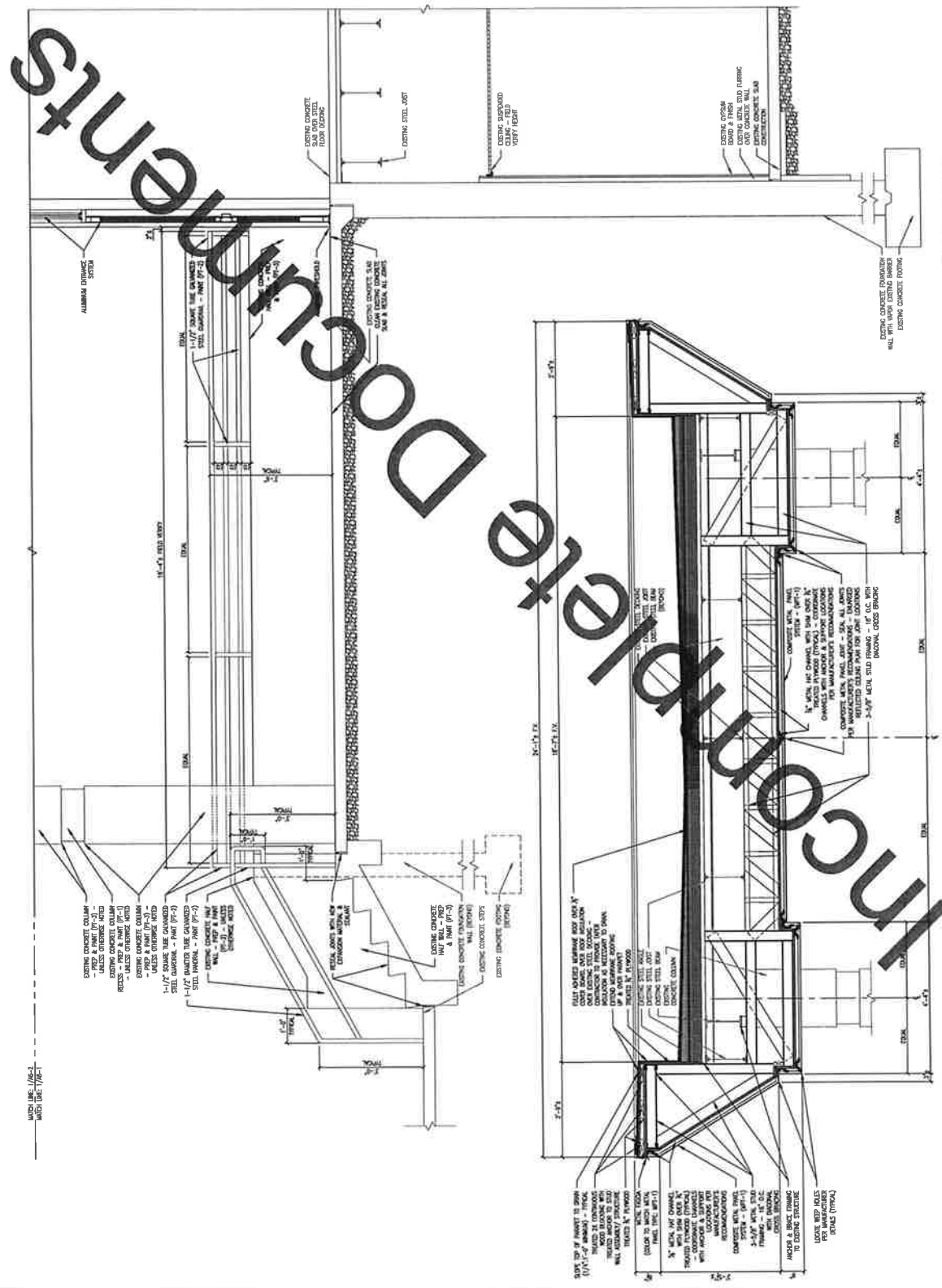
FOR REFERENCE ONLY

RENOVATIONS FOR:
 LEXINGTON POLICE DEPARTMENT
 LEXINGTON WEST ROLL CALL
 LEXINGTON, KY

WALL SECTIONS

DATE: 11/17/2011
 DRAWN BY: JCD
 CHECKED BY: JCD
 APPROVED BY: [Signature]
 SHEET NO. A6-1

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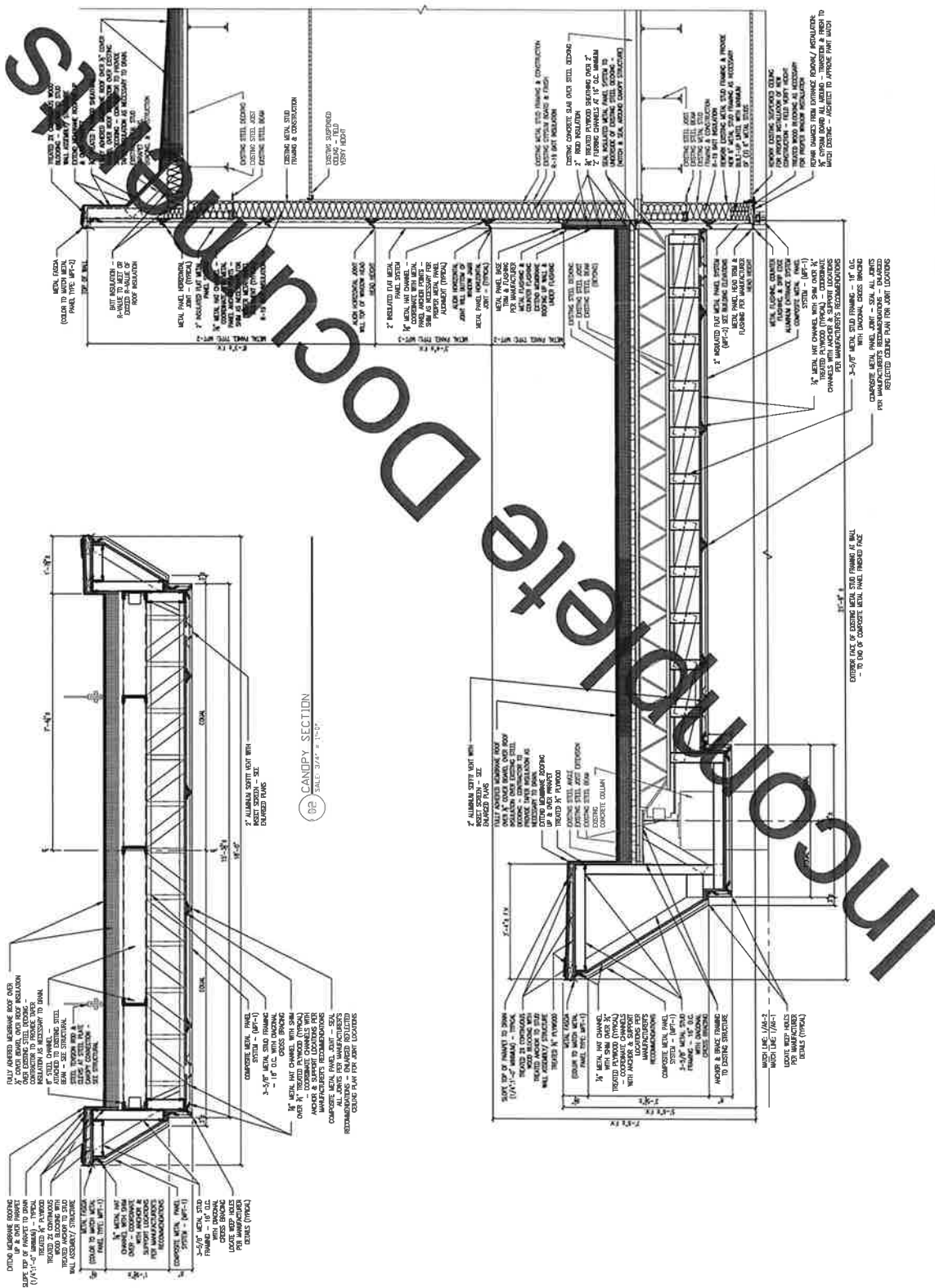
Documents

01 WALL SECTION
 SCALE: 1/8" = 1'-0"

02 CANTILEY SECTION
 SCALE: 1/8" = 1'-0"

WALL LINE 1/8" = 1'-0"
 WALL LINE 1/8" = 1'-0"

PRELIMINARY
 NOT FOR CONSTRUCTION



01 WALL SECTION
 SCALE: 3/4" = 1'-0"

02 CANOPY SECTION
 SCALE: 3/4" = 1'-0"

FOR REFERENCE ONLY

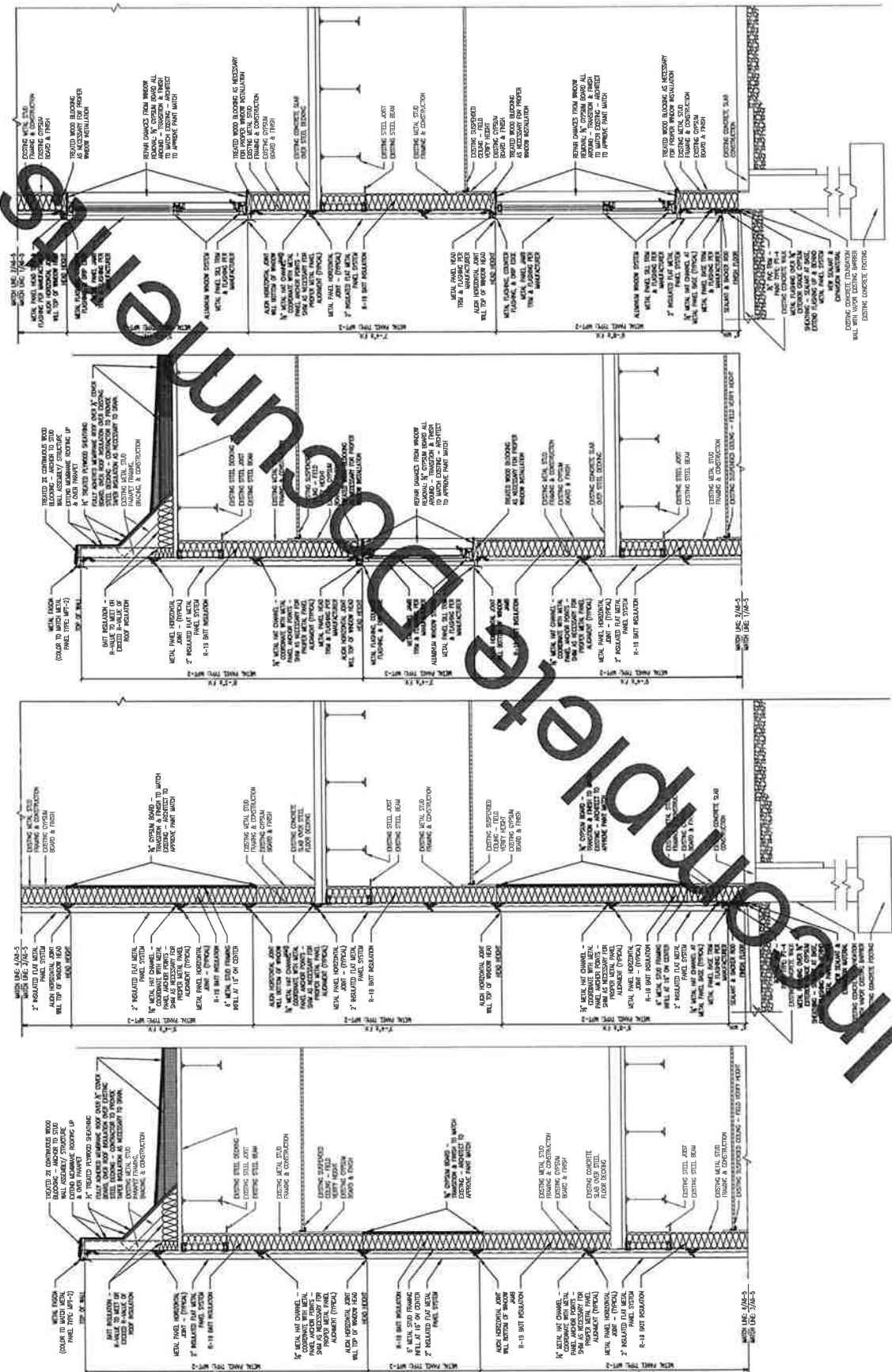
RENOVATIONS FOR:
LEXINGTON POLICE DEPARTMENT
POLICE WEST ROLL CALL
LEXINGTON, KY

WALL SECTIONS

LEXINGTON
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
500 EAST MAIN STREET, LEXINGTON KY 40507
PHONE: 606.259.5000
FAX: 606.259.5009

FOR REFERENCE ONLY

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01 WALL SECTION
SCALE: 3/4" = 1'-0"

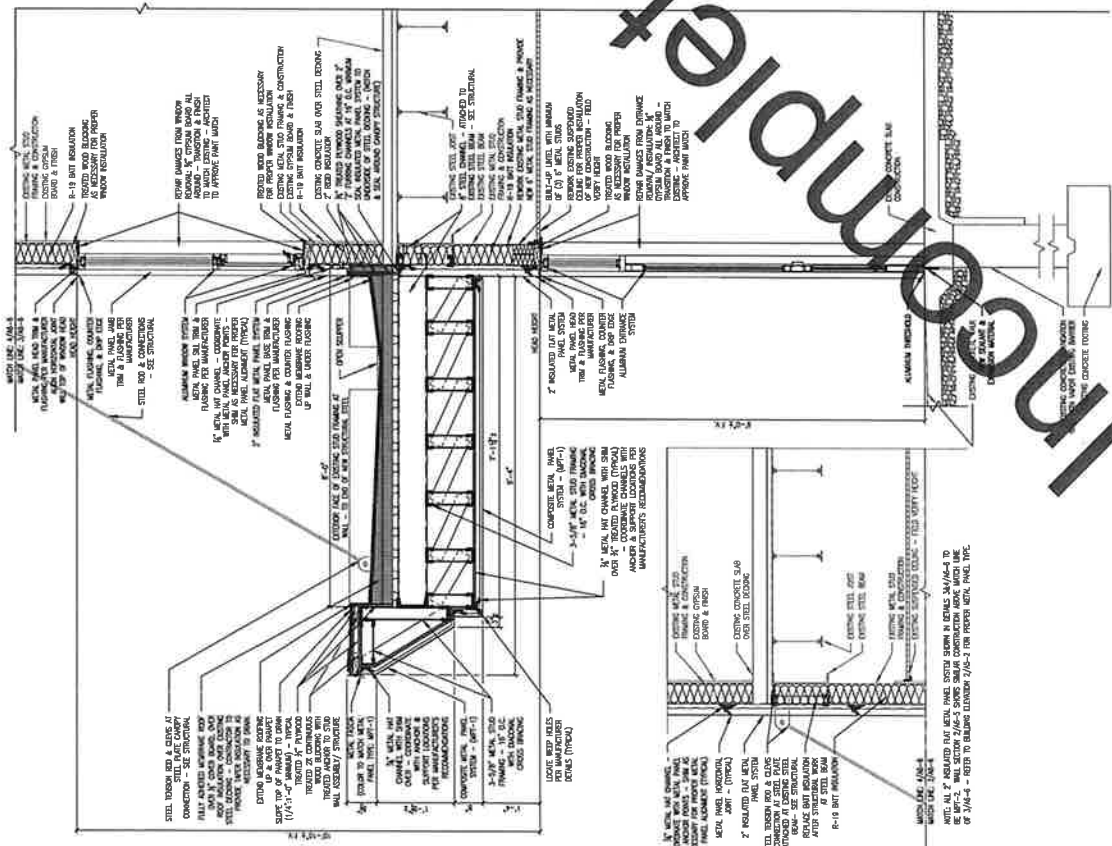
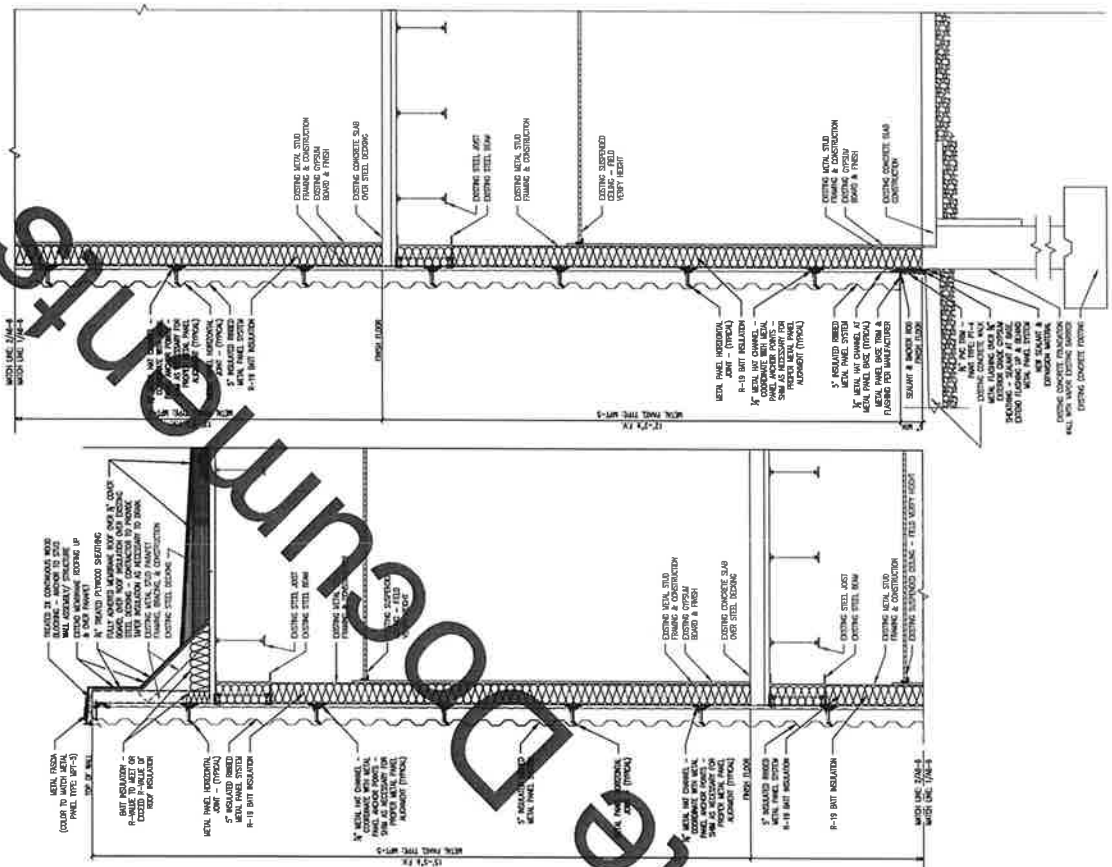
02 WALL SECTION
SCALE: 3/4" = 1'-0"

03 WALL SECTION
SCALE: 3/4" = 1'-0"

04 WALL SECTION
SCALE: 3/4" = 1'-0"

Watermark: "Submitted" written diagonally across the center of the page.

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01 WALL SECTION 1'-0" WALL TYPE 3 1/2" x 6" x 12"

02 WALL SECTION 1'-0" WALL TYPE 3 1/2" x 6" x 12"

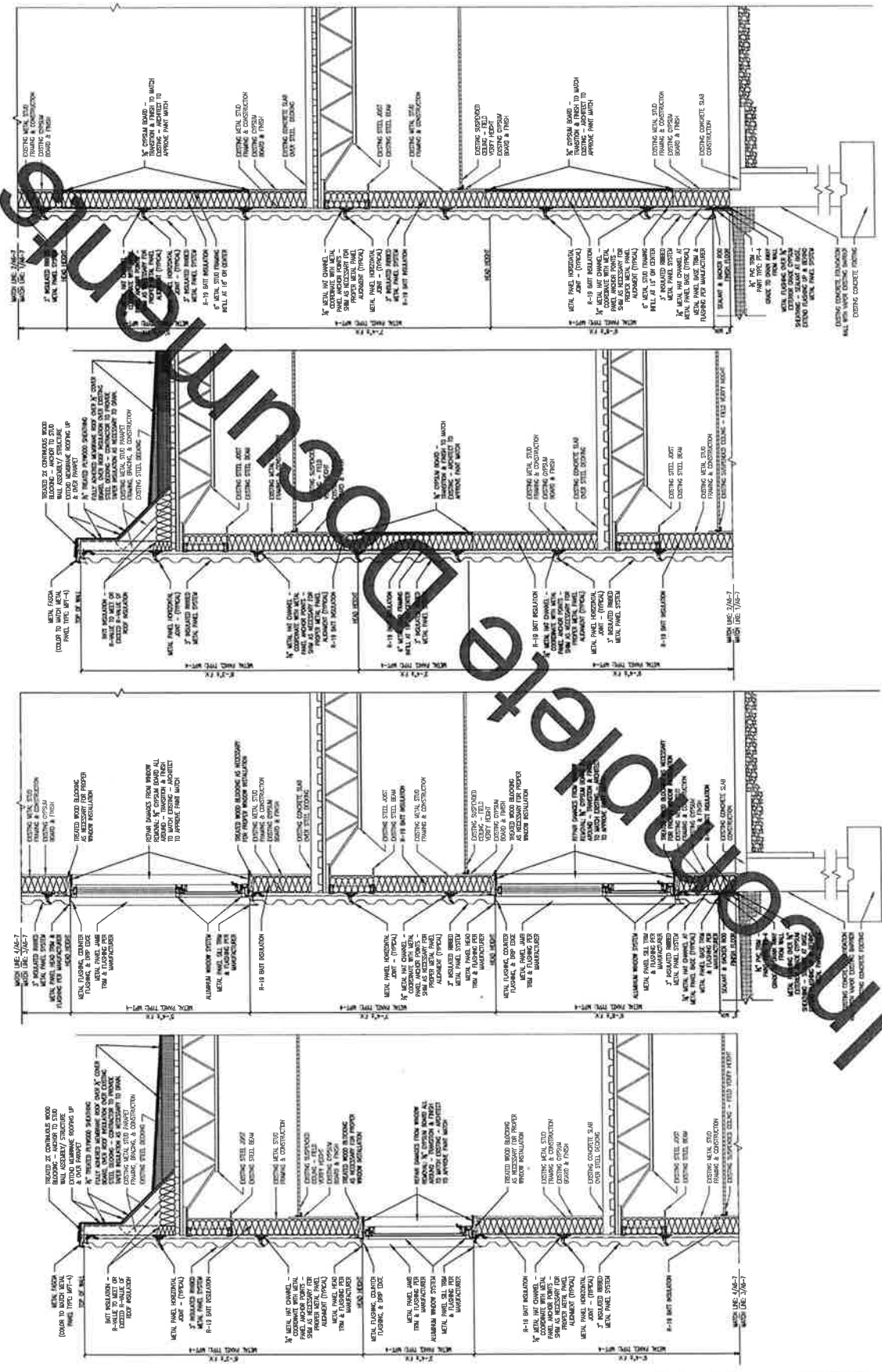
03 WALL SECTION DETAIL 1'-0" WALL TYPE 3 1/2" x 6" x 12"

NOTE: ALL 2" INSULATED METAL PANEL SYSTEMS SHOWN IN DETAILS 01/02/03/04/05 TO 03/04-05 - REFER TO DRAWING LEXINGTON 7/06-2 FOR PROPER METAL PANEL TYPE.

DATE: 04/12/2021
DRAWN BY: [Name]
CHECKED BY: [Name]
APPROVED BY: [Name]
SHEET NO:

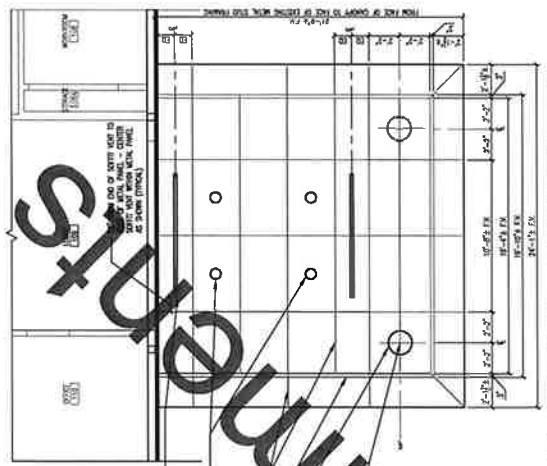
RENOVATIONS FOR:
LEXINGTON POLICE DEPARTMENT
POLICE WEST ROLL CALL
LEXINGTON, KY

LEXINGTON-FAVETTE URBAN COUNTY GOVERNMENT
200 EAST MAIN STREET, LEXINGTON, KY 40507
PROJECT NO. 18B-2000
FOR REFERENCE ONLY

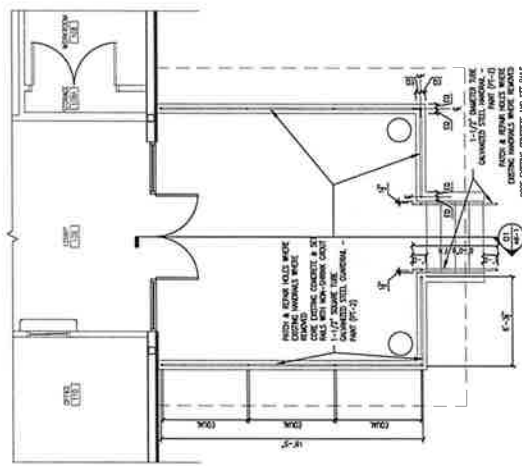


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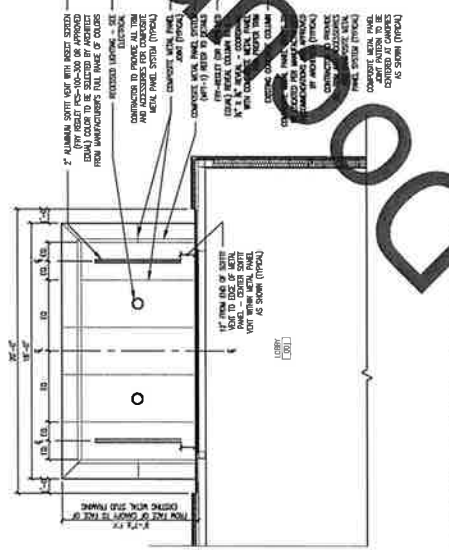
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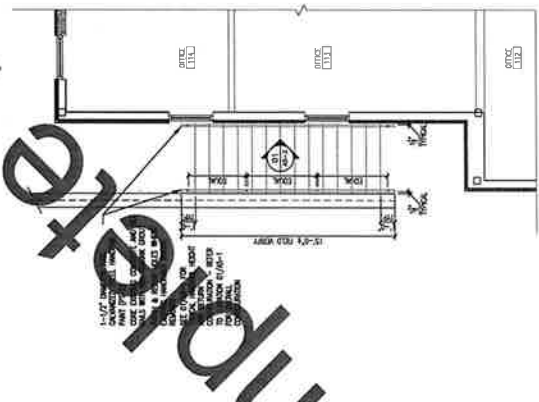
03 ENLARGED CANOPY - REFLECTED CEILING PLAN
 SCALE 1/4" = 1'-0"



01 ENLARGED FLOOR PLAN - RAILING
 SCALE 1/4" = 1'-0"



04 ENLARGED CANOPY - REFLECTED CEILING PLAN
 SCALE 1/4" = 1'-0"



02 ENLARGED FLOOR PLAN - RAILING
 SCALE 1/4" = 1'-0"

Incomplete

LEXINGTON
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
200 EAST MAIN STREET, LEONINGTON, KY 40027
PH: (606) 256-2800
WWW.LEXINGTONKY.GOV



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RENOVATIONS FOR:
LEXINGTON POLICE DEPARTMENT
LEXINGTON, KY
POLICE WEST ROLL CALL

PRELIMINARY
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SHEET NO:
A8-1

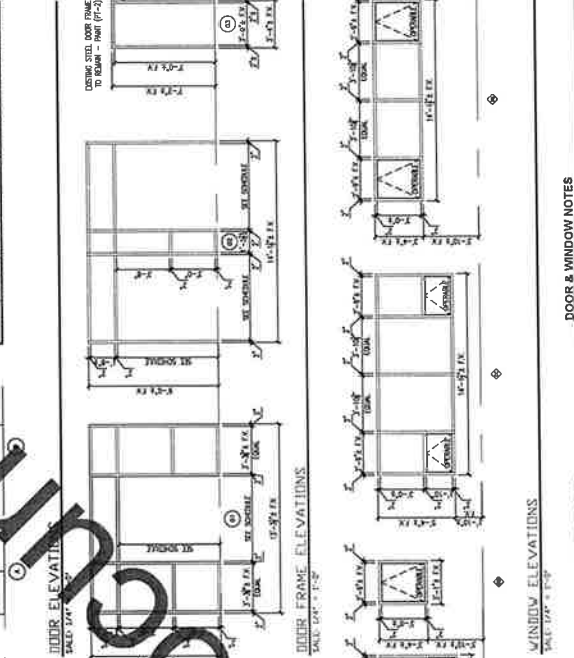
DATE: 11/14/2024
DRAWN BY: JCD
CHECKED BY: JCD
APPROVED BY: [Signature]

DOOR SCHEDULE

DOOR NO.	SIZE	DOOR MATERIAL	CLAS	GLASS	FINISH	TYPE	GLASS	DOOR	TYPE	GLASS	FINISH
01	03.00 W x 7.00 H x 1.375 D	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	EXTERIOR	EXTERIOR
02	01.00 W x 2.00 H x 1.375 D	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	EXTERIOR	EXTERIOR
03	03.00 W x 7.00 H x 1.375 D	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	EXTERIOR	EXTERIOR
04	03.00 W x 7.00 H x 1.375 D	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	EXTERIOR	EXTERIOR

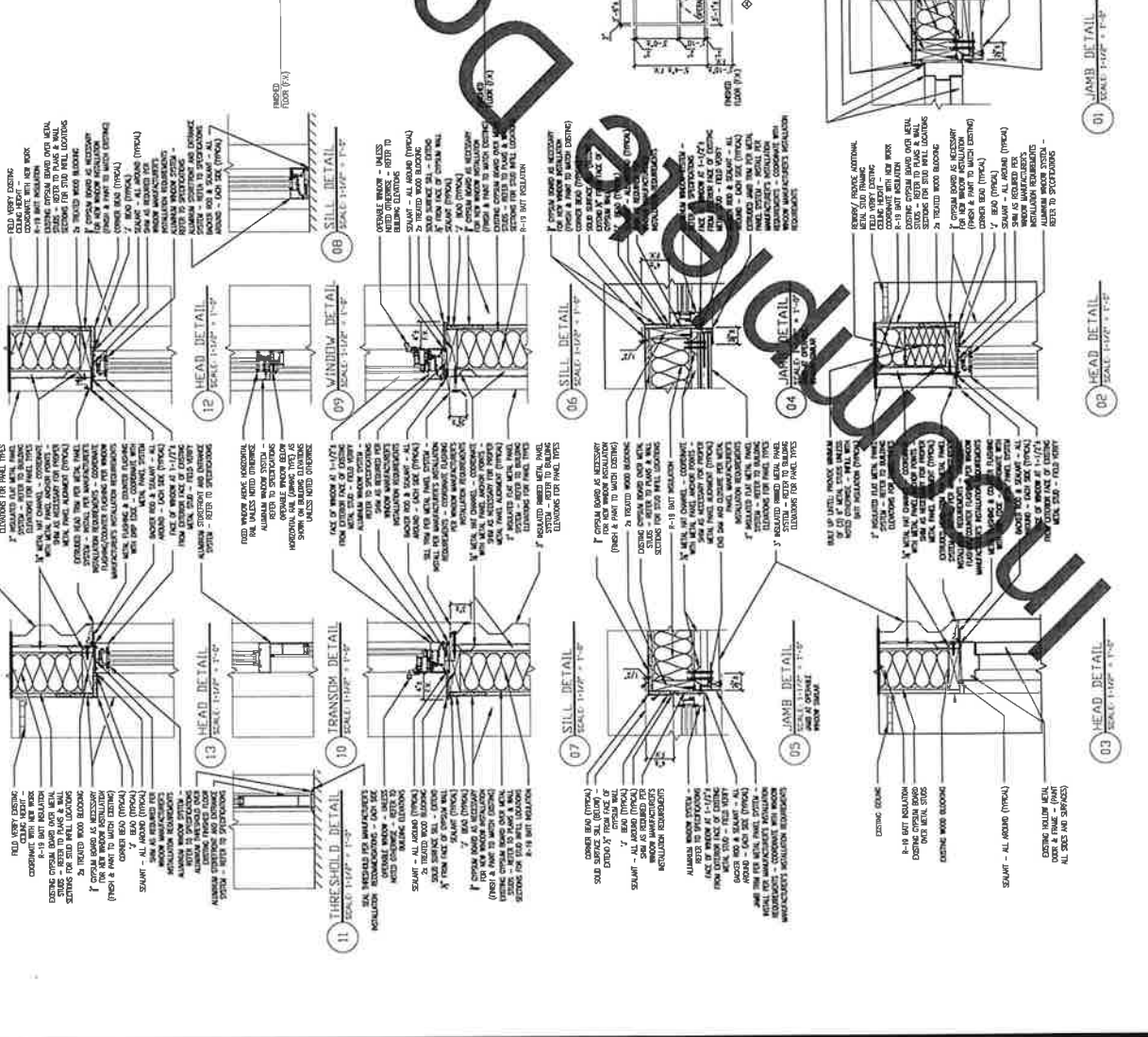
WINDOW SCHEDULE

WINDOW NO.	TYPE	MATERIAL	GLASS	FINISH	TYPE	GLASS	FINISH	TYPE	GLASS	FINISH	TYPE	GLASS	FINISH
01	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR
02	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR
03	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR
04	ALUMINUM	EXTERIOR	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR	ALUMINUM	EXTERIOR	EXTERIOR



DOOR & WINDOW NOTES

- 01. ALL WINDOWS SHALL BE OPERABLE AS SHOWN PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED. WINDOWS TO BE MADE OPERABLE PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED. UNLESS OTHERWISE NOTED, WINDOWS SHALL BE MADE OPERABLE AS SHOWN PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED.
- 02. UNLESS OTHERWISE NOTED, WINDOWS SHALL BE MADE OPERABLE AS SHOWN PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED. UNLESS OTHERWISE NOTED, WINDOWS SHALL BE MADE OPERABLE AS SHOWN PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED.
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- 06. UNLESS OTHERWISE NOTED, WINDOWS SHALL BE MADE OPERABLE AS SHOWN PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED. UNLESS OTHERWISE NOTED, WINDOWS SHALL BE MADE OPERABLE AS SHOWN PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED.
- 07. UNLESS OTHERWISE NOTED, WINDOWS SHALL BE MADE OPERABLE AS SHOWN PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED. UNLESS OTHERWISE NOTED, WINDOWS SHALL BE MADE OPERABLE AS SHOWN PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED.
- 08. UNLESS OTHERWISE NOTED, WINDOWS SHALL BE MADE OPERABLE AS SHOWN PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED. UNLESS OTHERWISE NOTED, WINDOWS SHALL BE MADE OPERABLE AS SHOWN PER THE WINDOW ELEVATIONS UNLESS OTHERWISE NOTED.



FOR REFERENCE ONLY

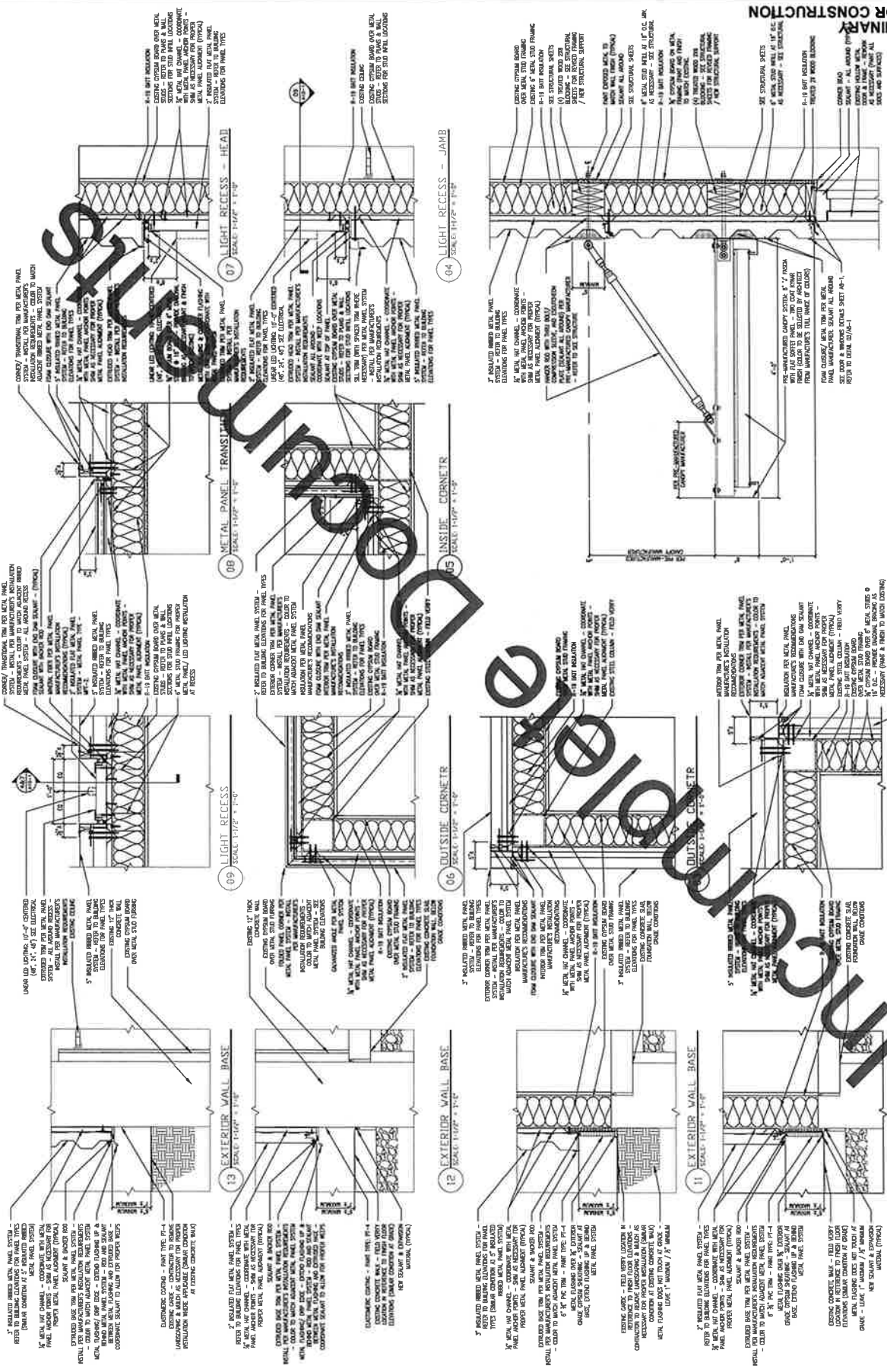
LEXINGTON
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
200 EAST MAIN STREET, LEONINGTON, KY 40026
PH: (606) 251-2000
FAX: (606) 251-2008
www.lexingtonky.gov

RENOVATIONS FOR:
LEXINGTON POLICE DEPARTMENT
POLICE WEST ROLL CALL
LEXINGTON, KY

DATE: 04/12/2021
DRAWN BY:
C.D.
CHECKED BY:
C.D.
APPROVED BY:

SHEET NO:
A10-1

PRELIMINARY
NOT FOR CONSTRUCTION



1. ISOLATED INSULATED METAL PANEL SYSTEM - COORDINATE WITH MANUFACTURER'S RECOMMENDATIONS FOR WALL SYSTEMS. COLOR TO MATCH EXISTING METAL PANELS. INSULATE WITH POLYURETHANE INSULATION. USE GYPSUM BOARD FOR INSULATION SUPPORT.

2. INSULATED METAL PANEL SYSTEM - COORDINATE WITH MANUFACTURER'S RECOMMENDATIONS FOR WALL SYSTEMS. COLOR TO MATCH EXISTING METAL PANELS. INSULATE WITH POLYURETHANE INSULATION. USE GYPSUM BOARD FOR INSULATION SUPPORT.

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4. METAL INSULATION CHANNEL - COORDINATE WITH MANUFACTURER'S RECOMMENDATIONS FOR WALL SYSTEMS. COLOR TO MATCH EXISTING METAL PANELS. USE GYPSUM BOARD FOR INSULATION SUPPORT.

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MARK	DESCRIPTION	DATE

REVISIONS

SECTIONS & DETAILS

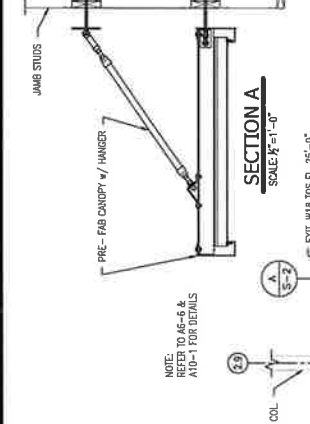
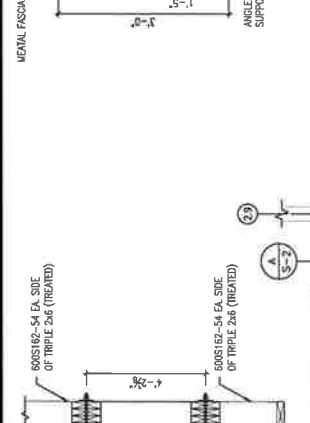
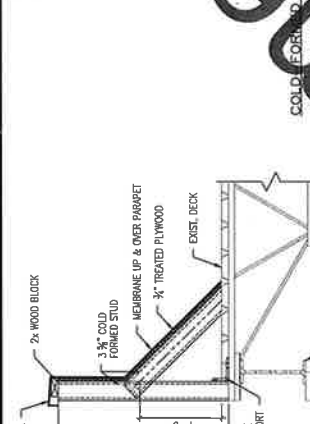
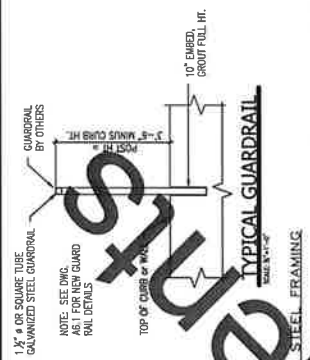
R.E. JACKSON ENGINEERS, PLLC
 11 CORPORATE DRIVE, SUITE 100
 LEXINGTON, KENTUCKY 40503
 PHONE: 606-259-1100
 FAX: 606-259-1100

SHEET NUMBER
S-2

RENOVATIONS FOR
 LEXINGTON POLICE DEPARTMENT
 POLICE WEST ROLL CALL
 LEXINGTON, KY

11 CORPORATE DRIVE, SUITE 100
 LEXINGTON, KENTUCKY 40503
 PHONE: 606-259-1100
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REVISIONS



1. ALL WELDED CONNECTIONS SHALL BE IN ACCORDANCE WITH THE 1988 AWS/AWS D1.3 STRUCTURAL STEEL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST AWS SPECIFICATIONS AND CODE OF STANDARD PRACTICE AND THE AWS STRUCTURAL WELDING CODE.
2. WELDING ELECTRODES SHALL BE E70XX EXCEPT WHERE OTHER ELECTRODES ARE REQUIRED FOR COMPATIBILITY WITH MATERIAL BEING WELDED.
3. ALL SHOP AND FIELD WELDING SHALL BE DONE BY A CERTIFIED WELDER.
4. MISCELLANEOUS HANGING LOADS (SUCH AS STAIR STRINGERS, PIPES, MECHANICAL UNITS ETC., SUPPORTED BY STEEL MEMBERS) SHALL BE POSITIONED IN SUCH A MANNER THAT NO TORSIONAL FORCES ARE INDUCED IN THEIR SUPPORTING MEMBERS (I.E. LOADS SHALL PASS THROUGH THE CENTERLINE OF WIDE FLANGE SECTIONS AND THROUGH THE SHEAR CENTER OF CHANNELS).

STEEL MEMBER DESIGNATION	NOMINAL STRENGTH (KIP)	MINIMUM CENTER-TO-CENTER SPACING	MINIMUM EDGE DISTANCE	MINIMUM THICKNESS OF STEEL TO STEEL
1	0.060	3/16"	3/16"	---
2	0.073	1/4"	1/4"	---
3	0.086	5/16"	5/16"	---
4	0.099	3/8"	3/8"	0.08 MAXIMUM
5	0.112	7/16"	7/16"	0.08 MAXIMUM
6	0.125	1/2"	1/2"	0.10 MAXIMUM
7	0.138	5/8"	5/8"	0.12 MAXIMUM
8	0.151	3/4"	3/4"	0.14 MAXIMUM
9	0.164	7/8"	7/8"	0.16 MAXIMUM
10	0.190	1"	1"	0.18 MAXIMUM
11	0.216	1 1/8"	1 1/8"	0.21 MAXIMUM
12	0.250	1 1/4"	1 1/4"	0.22 MAXIMUM

13. ALL WELDED CONNECTIONS SHALL BE IN ACCORDANCE WITH THE 1988 AWS/AWS D1.3 STRUCTURAL STEEL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST AWS SPECIFICATIONS AND CODE OF STANDARD PRACTICE AND THE AWS STRUCTURAL WELDING CODE.
14. STUDS SHALL BE SAW CUT TO FIT SQUARELY AND EVENLY ALONG THE CONNECTING MEMBER.
15. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND GUNNING OF COLD-FORMED STEEL FRAMING AS REQUIRED FOR SAFETY.
16. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE PROJECT PER APPROVAL BY AN ENGINEER OF RECORD.

COLD-FORMED STEEL FRAMING

1. THE FOLLOWING NOTES APPLY ONLY TO LOAD-BEARING WALLS. STUD WALLS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE CONSIDERED BEARING WALLS. NON-BEARING WALLS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS ONLY.

2. BRACING SHALL BE PROVIDED FOR ALL COLD-FORMED STEEL FRAMING IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE CONTRACT DOCUMENTS.

3. ALL COLD-FORMED STEEL CONSTRUCTION AND DESIGN SHALL BE IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE "COLD-FORMED STEEL DESIGN MANUAL" (AISI 2002 EDITION).

4. SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR APPROVAL, SHOWING ALL COLD-FORMED MEMBER CONNECTIONS, ANCHORS, OPENINGS AND OTHER COLD-FORMED STEEL RELATED ITEMS.

5. BEARING WALL STUDS SHALL BE 8" DEEP, 2-1/2" FLANGED SECTIONS WITH 5/8" UP MINIMUM, 16 GAUGE GALVANIZED STEEL.

6. STRIPS OR CUTOUTS IN THE FLANGES OF WALL STUDS ARE PROHIBITED. WALL STUDS SHALL RUN FULL HEIGHT WITHOUT SPLICE.

7. CONSTRUCT CORNERS AND INTERSECTIONS WITH NOT LESS THAN THREE STUDS.

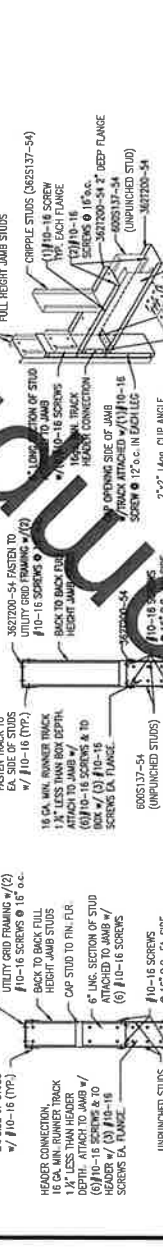
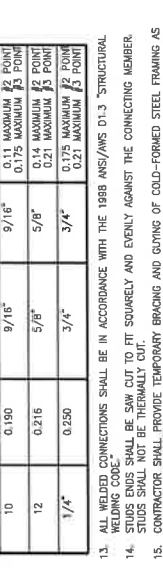
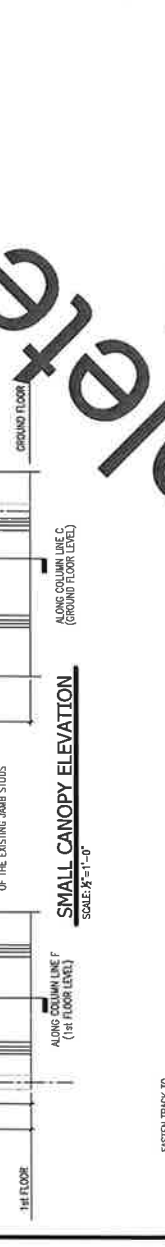
8. ALL MATERIAL SHALL BE COLOR-CODED TO INDICATE DIFFERENT COLD-FORMED STEEL THICKNESSES.

9. ALL STUD AND JOIST MATERIAL SHALL BE PRE-PANCHED WITH 9/16" x 4" WEB PUNCHOUTS SPACED AT 16" O.C. IN ALL DIRECTIONS. STUD PUNCHOUTS SHALL ALIGN FROM STUD TO STUD FOR EASE IN INSTALLING CONDUIT OR LATERAL BRACING. LATERAL BRACING OF STUDS REQUIRED @ 48" O.C.

10. ALL MATERIAL LESS THAN 43 MILS IN THICKNESS SHALL CONFORM TO ASTM A653 WITH G60 GALVANIZED COATING AND MINIMUM YIELD STRENGTH OF 40 KSI.

11. ALL MATERIAL 54 MILS OR GREATER IN THICKNESS SHALL CONFORM TO ASTM A653 WITH G60 GALVANIZED COATING AND MINIMUM YIELD STRENGTH OF 40 KSI.

12. ALL SCREWS SHALL BE ZINC COATED AND MAXIMUM MINIMUM CLEARANCE AS TABLE BELOW INDICATES. CATALOG DATA ON SCREW HEAD, POINT AND THREADS PER INCH SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR APPROVAL.



NOT FOR CONSTRUCTION
 PRELIMINARY

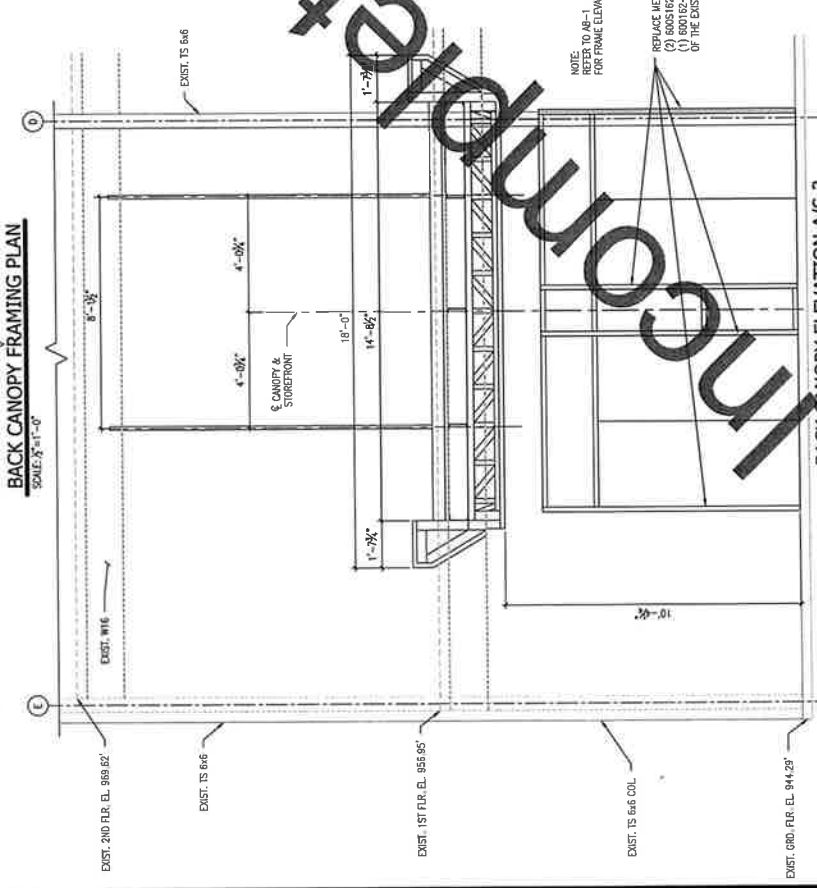
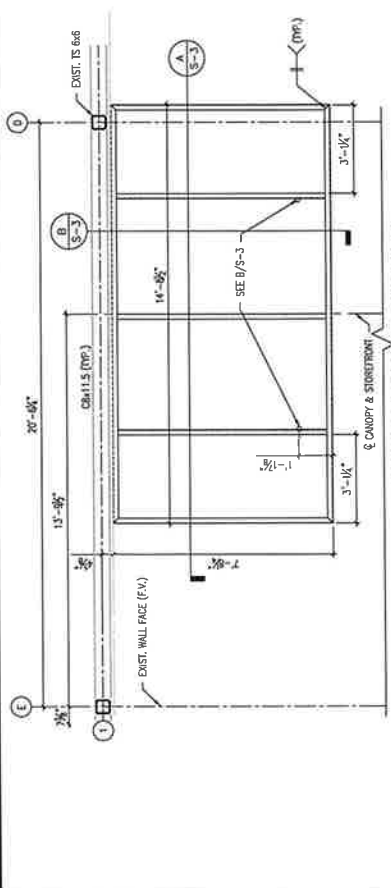
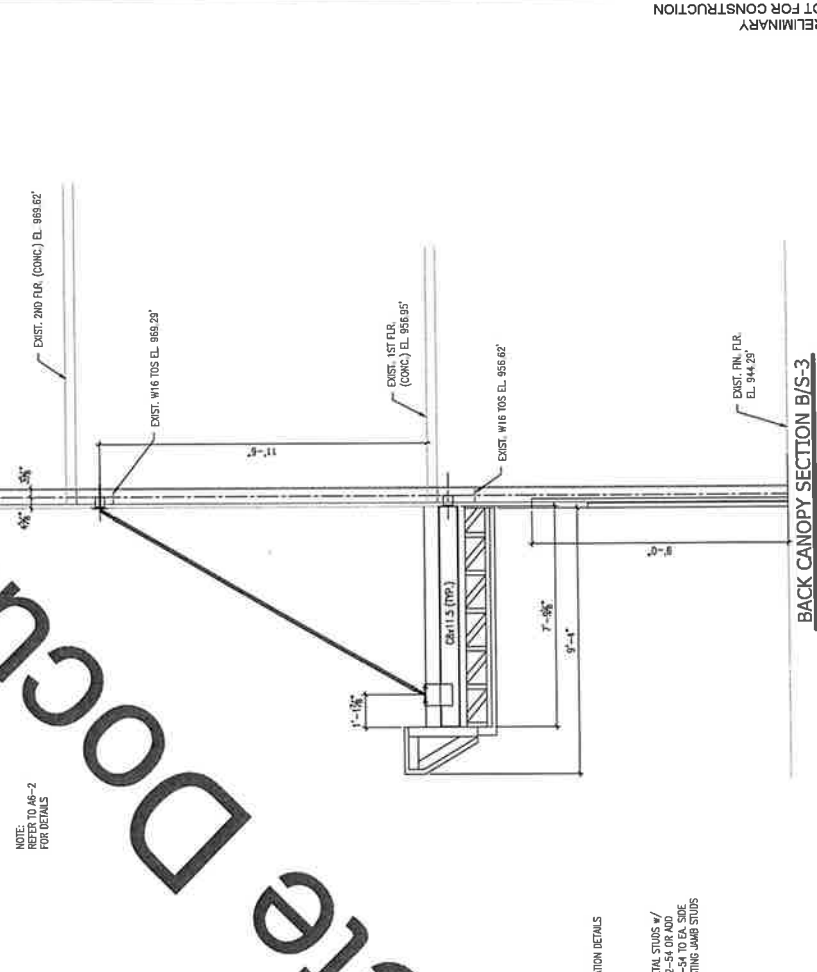
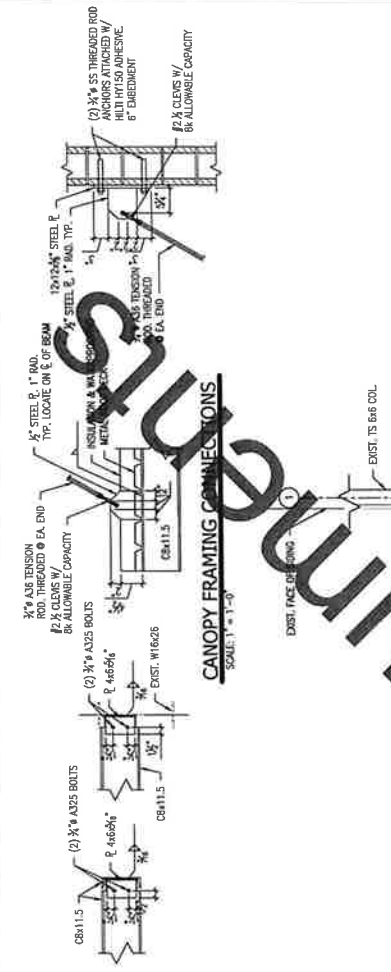
REVISIONS	MARK	DESCRIPTION	DATE

PLANS, ELEVATIONS, & GEN. NOTES
 R.E. JACKSON ENGINEERS, PLLC
 STRUCTURAL CONSULTING ENGINEERS
 111 COMMONWEALTH BLVD., SUITE 1100
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REVISIONS FOR
 LEXINGTON POLICE DEPARTMENT
 POLICE WEST ROLL CALL
 LEXINGTON, KY

SHEET NUMBER
S-3

PRELIMINARY
 NOT FOR CONSTRUCTION



NOTE:
 REFER TO AS-2
 FOR DETAILS

NOTE:
 REFER TO AS-1
 FOR FRAME ELEVATION DETAILS

REPLACE METAL STUDS /
 CROSS MEMBERS FOR RUD
 (1) 600152-54 TO EA. SIDE
 OF THE EXISTING JAMB STUDS

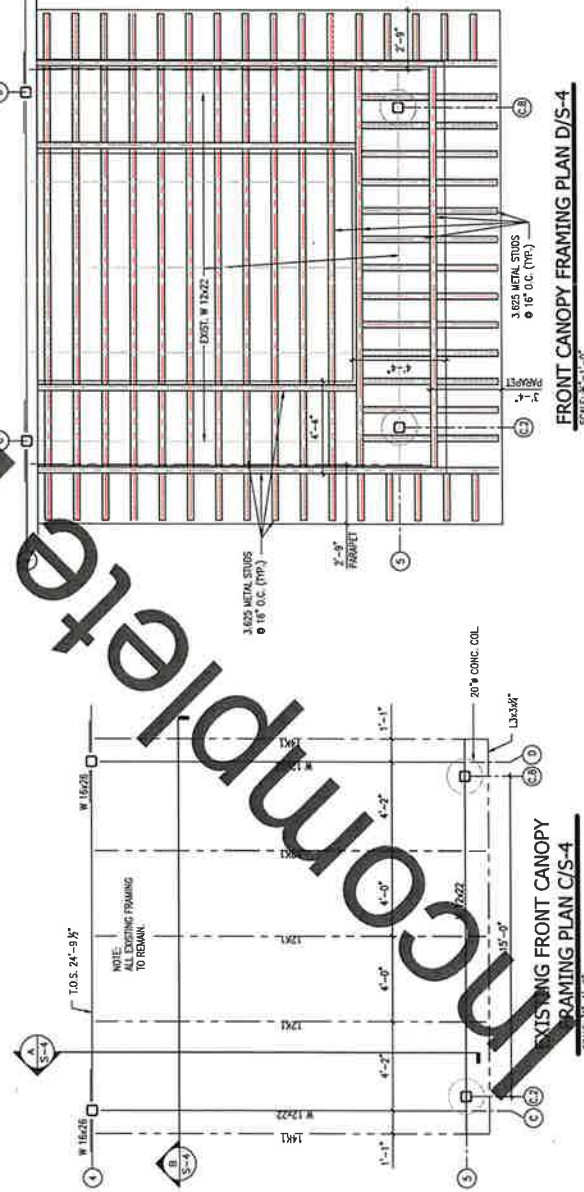
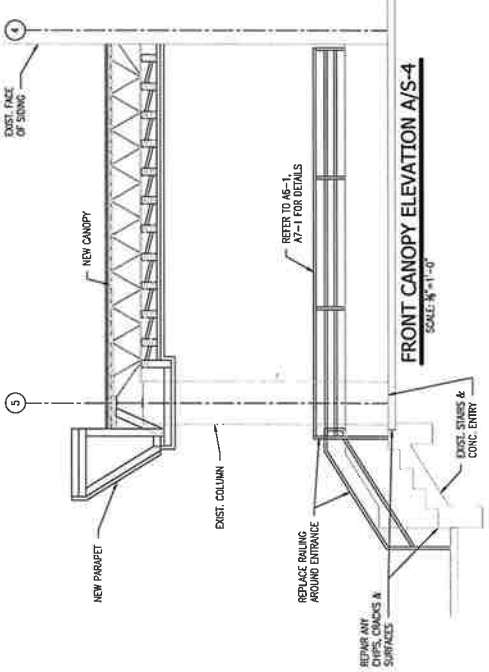
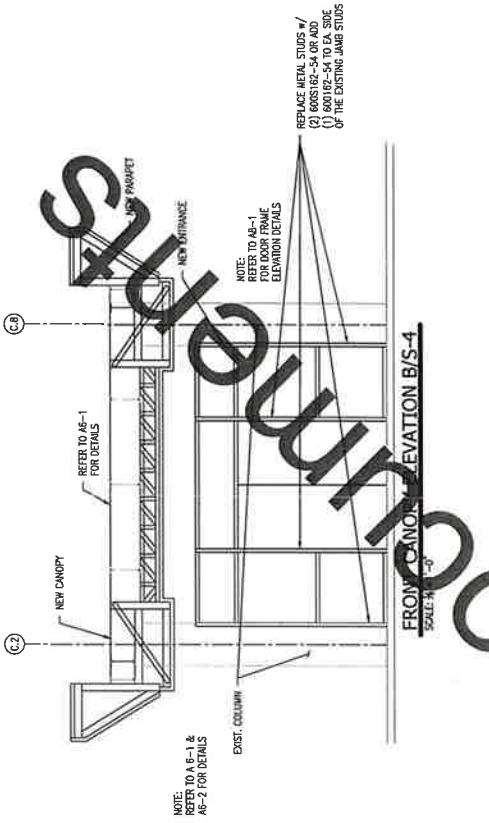
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RENOVATIONS FOR
LEXINGTON POLICE DEPARTMENT
POLICE WEST ROLL CALL
LEXINGTON, KY

PLANS, ELEVATIONS, & GEN. NOTES
R.E. JACKSON ENGINEERS, PLLC
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161 COMMONWEALTH CENTER SUITE 101
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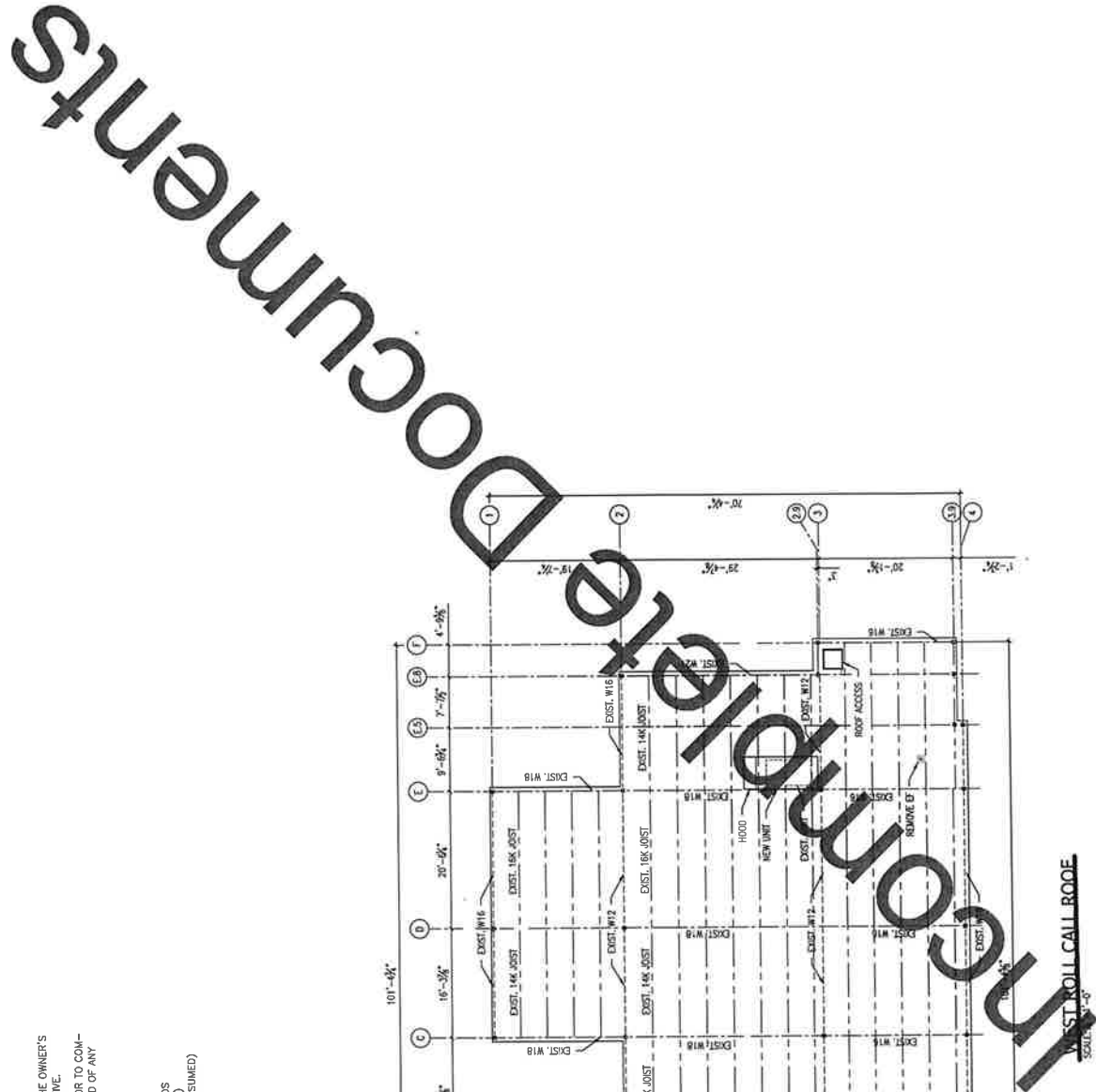
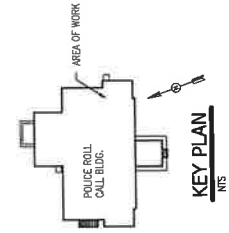
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GENERAL NOTES

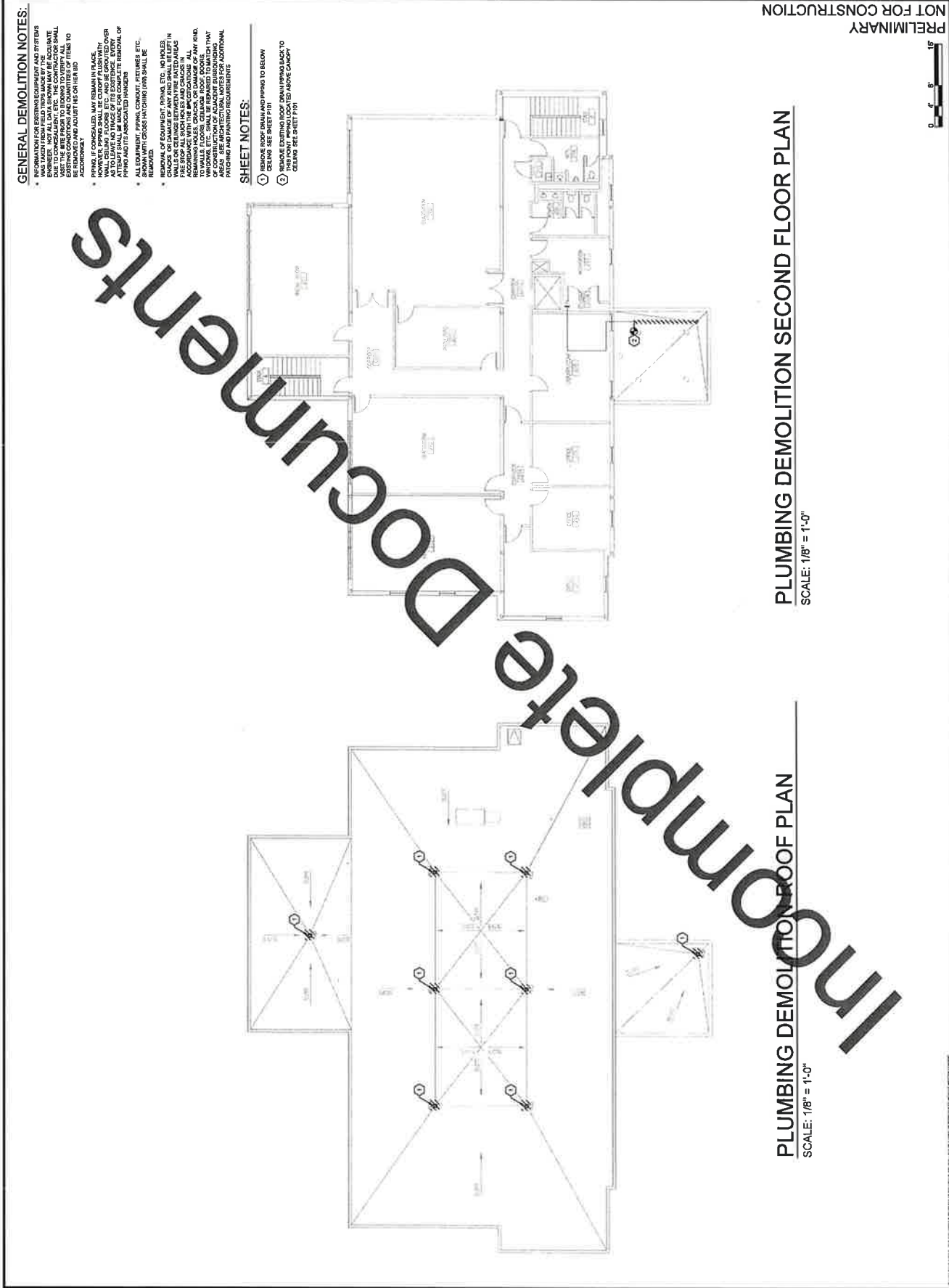
1. THE CONTRACTOR IS TO COORDINATE HIS/HER OPERATIONS WITH THE OWNER'S (LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT) REPRESENTATIVE.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES WHICH MAY EXIST.

DESIGN LOADS

ROOF TOP UNIT, MODEL D44A07A, OPERATING WEIGHT 1,659 POUNDS
WIND LOAD: 115 MPH, EXP. B (RISK CAT. II, ASCE7-16 CHAP 23.4)
SEISMIC LOAD: $S_{DS} = 0.21$, $S_{D1} = 0.15$, SITE CLASSIFICATION D (ASSUMED)

SUBMITTALS:

ROOF TOP UNIT SELECTED INCLUDING WEIGHTS & DIMENSIONS



GENERAL DEMOLITION NOTES:

- INFORMATION FOR EXISTING EQUIPMENT AND SYSTEMS IS PROVIDED FOR YOUR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. NOT ALL UTILITIES SHOWN MAY BE ACCURATE DUE TO CONSTRUCTION, ETC. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. EXISTING CONDITIONS AND QUANTITIES OF ITEMS TO BE DEMOLISHED SHALL BE AS SHOWN ON THESE PLANS UNLESS OTHERWISE INDICATED.
- SPRING, IF CONCEALED, MAY REMAIN IN PLACE. REMOVE SPRING FROM EXISTING CONCRETE. REMOVE WALLS ON CEILING BETWEEN FIRE RATED AREAS IN ACCORDANCE WITH THE SPECIFICATIONS. ALL REMAINING HOLES, CRACKS, OR DAMAGE OF ANY KIND SHALL BE REPAIRED TO MATCH THE ORIGINAL FINISH. ALL REPAIRS SHALL BE MATCHED TO ORIGINAL AREAS. SEE ARCHITECTURAL NOTES FOR ADDITIONAL PATCHING AND PAINTING REQUIREMENTS.

SHEET NOTES:

- ① REMOVE ROOF BRACKETS SPRING TO BELOW CEILING. SEE SHEET P101.
- ② REMOVE EXISTING ROOF DRAIN SPRING BACK TO PREVIOUS POINT POINT LOCATED ABOVE CANOPY. SEE SHEET P101.

PLUMBING DEMOLITION SECOND FLOOR PLAN

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

PLUMBING DEMOLITION ROOF PLAN

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



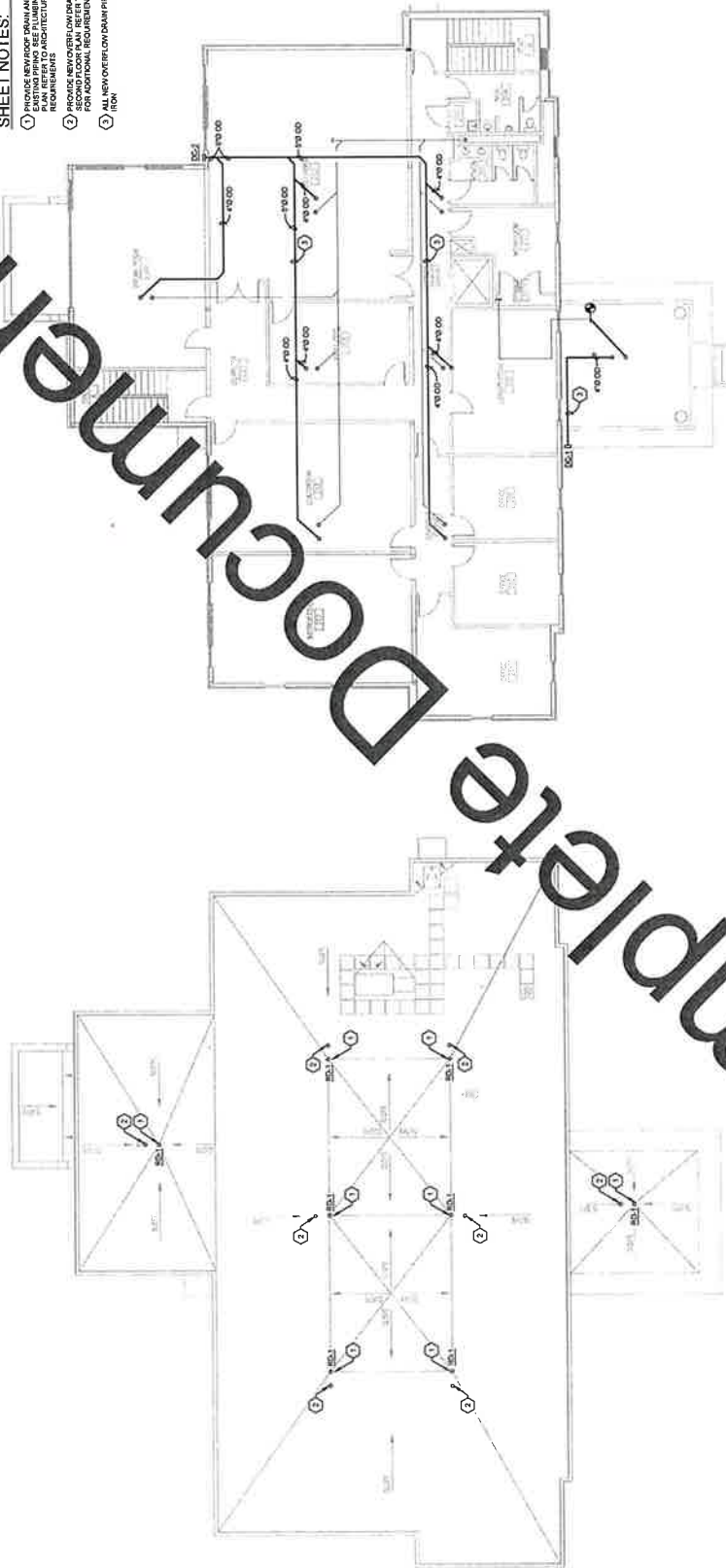
GENERAL NOTES:

- GENERAL NOTES, WHENEVER THEY ARE FOUND, SHALL BE READ AND UNDERSTOOD IN CONNECTION WITH THE PROJECT. UNLESS OTHERWISE INDICATED.
- PROVIDE ALL MISCELLANEOUS STEEL, AS SHOWN ON THE DRAWINGS, TO BE FABRICATED AND WELDED TO SUPPORT ANYTHING FROM MECHANICAL OR ELECTRICAL ITEMS.
- DO NOT CHANGE PATH OF PIPING UNLESS NECESSARY. ANY CHANGES MUST BE APPROVED BY THE ENGINEER WITHOUT FIRST CONSULTING THE ENGINEER.
- SEE ARCHITECTURAL FOR ALL PLUMBING AND MECHANICAL ITEMS SHOWN ON THE PLUMBING FIXTURE SCHEDULE.

SHEET NOTES:

- ① PROVIDE NEW ROOF DRAIN AND CONNECT TO EXISTING DRAINAGE SYSTEM. SEE ARCHITECTURAL FOR ADDITIONAL REQUIREMENTS.
- ② PROVIDE NEW OVERFLOW DRAIN. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- ③ ALL NEW OVERFLOW DRAIN PIPING SHALL BE CAST IRON.

Incomplete Documents



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

PLUMBING ROOF PLAN
SCALE: 1/8" = 1'-0"

PLUMBING FIXTURE SCHEDULE

Item	Description	HW size	CW size	Branch Valve Size	Min. Vent Size	Manufacturer	Model	Notes
RD-1	Roof Drain	-	4"	-	-	Zim	Z100	Galvanized Cast Iron body with cast iron cone
DC-1	Down Cover	-	4"	-	-	Zim	Z189	Downspout Cover. Round galvanized stainless steel frame with horizontal secured perforated stainless steel tapered cone
DC-2	Down Cover	-	6"	-	-	Zim	Z189	Downspout Cover. Round galvanized stainless steel frame with horizontal secured perforated stainless steel tapered cone

See Specifications for Detailed Descriptions and Requirements.



PRELIMINARY
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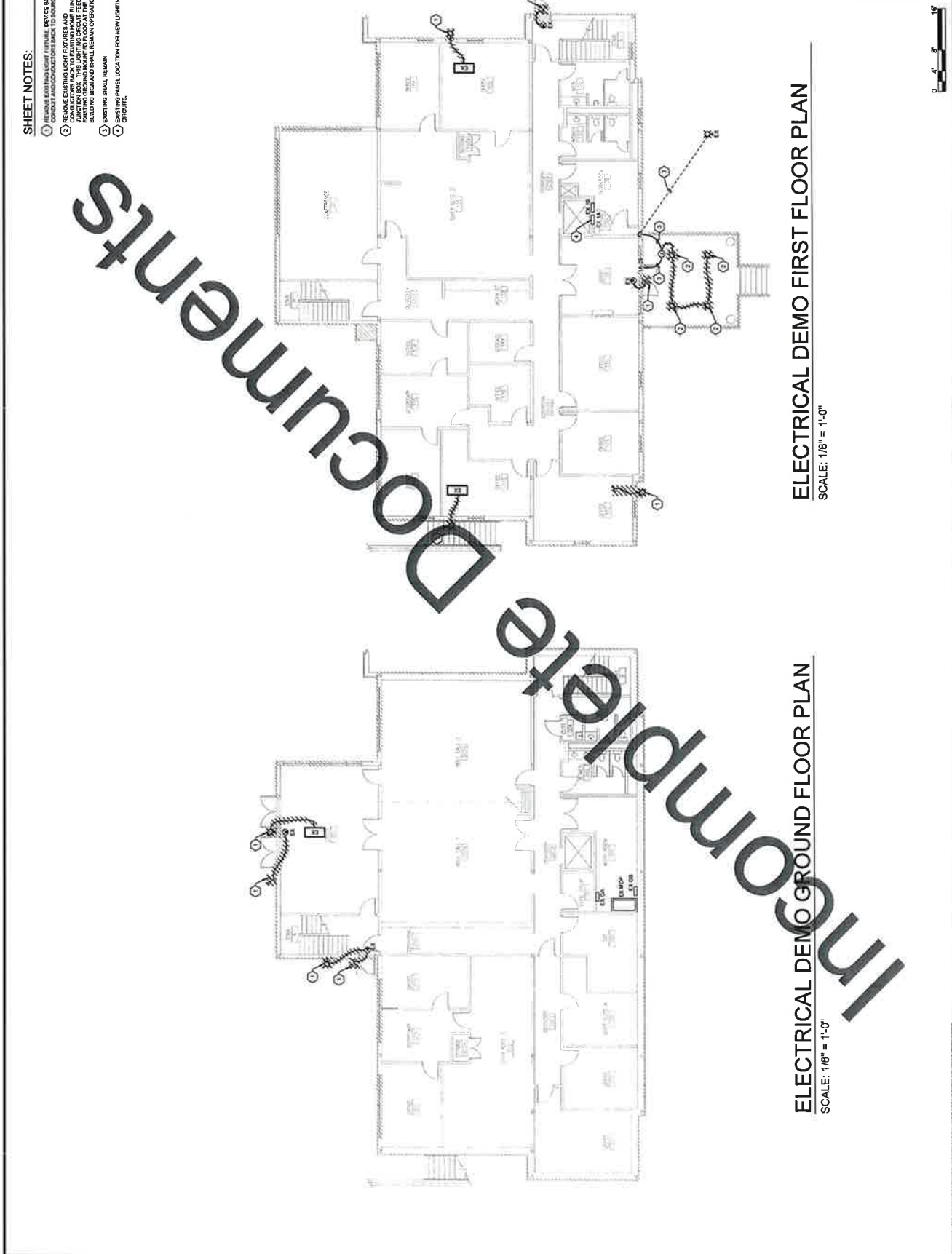
DATE: 05/12/2021
STAFF: STAFF
PROJECT NO.: 2104
SHEET NO.: P101

RENOVATIONS FOR:
LEXINGTON POLICE DEPARTMENT
POLICE WEST ROLL CALL
LEXINGTON, KY
PLUMBING PLANS



LEXINGTON-FAVETTE URBAN COUNTY GOVERNMENT
DIVISION OF GENERAL SERVICES
200 EAST MAIN STREET, LEXINGTON, KY 40502
PHONE: (606) 258-2000
FAX: (606) 258-3000
www.lexingtonky.gov

FOR REFERENCE ONLY



- SHEET NOTES:**
- 1 REMOVE EXISTING LIGHT FIXTURE, DEVICE BOX, CONDUIT AND SCHEDULE BACK TO SOURCE
 - 2 REMOVE EXISTING LIGHT FIXTURE, DEVICE BOX, CONDUIT AND SCHEDULE BACK TO EXISTING HOME RUN
 - 3 REMOVE EXISTING LIGHT FIXTURE, DEVICE BOX, CONDUIT AND SCHEDULE BACK TO EXISTING HOME RUN AND SCHEDULE TO EXISTING PANEL
 - 4 EXISTING SHALL REMAIN
 - 5 EXISTING PANEL LOCATION FOR NEW LIGHTING CIRCUIT.

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

ELECTRICAL DEMO GROUND FLOOR PLAN
 SCALE: 1/8" = 1'-0"



Renovations for Lexington Police
Department Police West Roll Call

**SECTION 030130 - MAINTENANCE OF CAST-IN-PLACE CONCRETE – NOT FOR
CONSTRUCTION**

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. Removal of deteriorated concrete and subsequent replacement and patching.
- 2. Floor joint repair.
- 3. Epoxy crack injection.
- 4. Corrosion-inhibiting treatment.

1.3 ALLOWANCES

- A. Allowances for maintenance of cast-in-place concrete are specified in Section 012100 "Allowances."

1.4 UNIT PRICES

- A. Work of this Section is affected by unit prices specified in Section 012200 "Unit Prices."
 - 1. Unit prices apply to authorized additions to and deletions from the Work as authorized by Change Orders.
- B. General: Unit prices include the cost of preparing existing construction to receive the work indicated.

1.5 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review methods and procedures related to concrete maintenance including, but not limited to, the following:
 - a. Verify concrete-maintenance specialist's personnel, equipment, and facilities needed to make progress and avoid delays.
 - b. Materials, material application, sequencing, tolerances, and required clearances.
 - c. Coordination with building occupants.

Renovations for Lexington Police
Department Police West Roll Call

1.6 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, chemical composition, physical properties, test data, and mixing, preparation, and application instructions.

1.7 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each cementitious patching mortar and crack-injection adhesive, for tests performed by manufacturer and witnessed by a qualified testing agency.

1.8 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Each packaged patching-mortar and crack-injection-adhesive manufacturer shall employ factory-authorized service representatives who are available for consultation.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturer's written instructions for minimum and maximum temperature requirements and other conditions for storage.
- B. Store cementitious materials off the ground, under cover, and in a dry location.

1.10 FIELD CONDITIONS

- A. Environmental Limitations for Epoxies: Do not apply when air and substrate temperatures are outside limits permitted by manufacturer. During hot weather, cool epoxy components before mixing, store mixed products in shade, and cool unused mixed products to retard setting. Do not apply to wet substrates unless approved by manufacturer.
 - 1. Use only Class A epoxies when substrate temperatures are below or are expected to go below 40 deg F (5 deg C) within eight hours.
 - 2. Use only Class A or B epoxies when substrate temperatures are below or are expected to go below 60 deg F (16 deg C) within eight hours.
 - 3. Use only Class C epoxies when substrate temperatures are above and are expected to stay above 60 deg F (16 deg C) for eight hours.
- B. Cold-Weather Requirements for Cementitious Materials: Do not apply unless concrete-surface and air temperatures are above 40 deg F (5 deg C) and will remain so for at least 48 hours after completion of work.
- C. Cold-Weather Requirements for Cementitious Materials: Comply with the following procedures:
 - 1. When air temperature is below 40 deg F (5 deg C), heat patching-material ingredients and existing concrete to produce temperatures between 40 and 90 deg F (5 and 32 deg C).

Renovations for Lexington Police
Department Police West Roll Call

2. When mean daily air temperature is between 25 and 40 deg F (minus 4 and plus 5 deg C), cover completed Work with weather-resistant insulating blankets for 48 hours after repair or provide enclosure and heat to maintain temperatures above 32 deg F (0 deg C) within the enclosure for 48 hours after repair.
 3. When mean daily air temperature is below 25 deg F (minus 4 deg C), provide enclosure and heat to maintain temperatures above 32 deg F (0 deg C) within the enclosure for 48 hours after repair.
- D. Hot-Weather Requirements for Cementitious Materials: Protect repair work when temperature and humidity conditions produce excessive evaporation of water from patching materials. Provide artificial shade and wind breaks, and use cooled materials as required. Do not apply to substrates with temperatures of 90 deg F (32 deg C) and above.
- E. Environmental Limitations for High-Molecular-Weight Methacrylate Sealers: Do not apply when concrete surface temperature is below 55 deg F (13 deg C) or above 75 deg F (24 deg C).

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: For repair products, obtain each color, grade, finish, type, and variety of product from single source and from single manufacturer with resources to provide products of consistent quality in appearance and physical properties.

2.2 PATCHING MORTAR

- A. Patching Mortar Requirements:
1. Only use patching mortars that are recommended by manufacturer for each applicable horizontal, vertical, or overhead use orientation.
 2. Color and Aggregate Texture: Provide patching mortar and aggregates of colors and sizes necessary to produce patching mortar that matches existing, adjacent, exposed concrete. Blend several aggregates if necessary to achieve suitable matches.
 3. Coarse Aggregate for Patching Mortar: ASTM C 33/C 33M, washed aggregate, Size No. 8, Class 5S. Add to patching mortar mix only as permitted by patching-mortar manufacturer.

2.3 EPOXY CRACK-INJECTION MATERIALS

- A. Epoxy Crack-Injection Adhesive: ASTM C 881/C 881M, bonding system Type I free of VOCs.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. BASF Corp. - Construction Chemicals.
 - b. ChemCo Systems.
 - c. Dayton Superior.
 - d. Euclid Chemical Company (The); an RPM company.

Renovations for Lexington Police
Department Police West Roll Call

- e. Fyfe Co. LLC.
- f. Kaufman Products, Inc.
- g. MAPEI Corporation.
- h. Sika Corporation.
- i. Sto Corp.
- j. US SPEC. Division of US MIX Company.
- k. W. R. Meadows, Inc.

2. Capping Adhesive: Product manufactured for use with crack injection adhesive by same manufacturer.
3. Color: Provide epoxy crack-injection adhesive and capping adhesive as indicated by manufacturer's designations.

2.4 CORROSION-INHIBITING MATERIALS

- A. Corrosion-Inhibiting Treatment: Waterborne solution of alkaline corrosion-inhibiting chemicals for concrete-surface application that penetrates concrete by diffusion and forms a protective film on steel reinforcement.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. BASF Corp. - Construction Chemicals
 - b. Cortec Corporation.
 - c. Euclid Chemical Company (The); an RPM company.
 - d. Sika Corporation

2.5 MISCELLANEOUS MATERIALS

- A. Portland Cement: ASTM C 150/C 150M, Type I unless otherwise indicated.
- B. Water: Potable.

2.6 MIXES

- A. General Mix products, in clean containers, according to manufacturer's written instructions.
1. Do not add water, thinners, or additives unless recommended by manufacturer.
 2. When practical, use manufacturer's premeasured packages to ensure that materials are mixed in proper proportions. When premeasured packages are not used, measure ingredients using graduated measuring containers; do not estimate quantities or use shovel or trowel as unit of measure.
 3. Do not mix more materials than can be used within time limits recommended by manufacturer. Discard materials that have begun to set.
- B. Dry-Pack Mortar: Mix required type(s) of patching-mortar dry ingredients with just enough liquid to form damp cohesive mixture that can be squeezed by hand into a ball but is not plastic.
- C. Concrete: Comply with Section 033000 "Cast-in-Place Concrete."

PART 3 - EXECUTION

3.1 CONCRETE MAINTENANCE

- A. Comply with manufacturers' written instructions for surface preparation and product application.

3.2 EXAMINATION

- A. Notify LFUCG repetitive seven days in advance of dates when areas of deteriorated or delaminated concrete and deteriorated reinforcing bars will be located.
- B. Locate areas of deteriorated or delaminated concrete using hammer and mark boundaries. Mark areas for removal by simplifying and squaring off boundaries.

3.3 PREPARATION

- A. Ensure that supervisory personnel are on site and on duty when concrete maintenance work begins and during its progress.
- B. Protect persons, motor vehicles, surrounding surfaces of building being repaired, building site, plants, and surrounding buildings from harm resulting from concrete maintenance work.
- C. Existing Drains: Prior to the start of work in an area, test drainage system to ensure that it is functioning properly. Notify Architect immediately of inadequate drainage or blockage. Do not begin work in an area until the drainage system is in working order.
 - 1. Prevent solids such as aggregate or mortar residue from entering the drainage system. Clean out drains and drain lines that become sluggish or blocked by sand or other materials resulting from concrete maintenance work.
- D. Preparation for Concrete Removal: Examine construction to be repaired to determine best methods to safely and effectively perform concrete maintenance work. Examine adjacent work to determine what protective measures will be necessary. Make explorations, probes, and inquiries as necessary to determine condition of construction to be removed in the course of repair.
 - 1. Verify that affected utilities have been disconnected and capped.

3.4 CONCRETE REMOVAL

- A. Saw-cut perimeter of areas indicated for removal to a depth of at least 3/4 inch (19 mm). Make cuts perpendicular to concrete surfaces and no deeper than cover on reinforcement.
- B. Remove deteriorated and delaminated concrete by breaking up and dislodging from reinforcement.

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- C. Remove additional concrete if necessary to provide a depth of removal of at least 1/2 inch (13 mm) over entire removal area.
- D. Test areas where concrete has been removed by tapping with hammer, and remove additional concrete until unsound and disbonded concrete is completely removed.
- E. Provide surfaces with a fractured profile of at least 1/8 inch (3 mm) that are approximately perpendicular or parallel to original concrete surfaces. Thoroughly clean removal areas of loose concrete, dust, and debris.

3.5 BONDING AGENT APPLICATION

- A. Epoxy-Modified, Cementitious Bonding and Anticorrosion Agent: Apply to reinforcing bars and concrete by stiff brush or hopper spray according to manufacturer's written instructions. Apply to reinforcing bars in two coats, allowing first coat to dry two to three hours before applying second coat. Allow to dry before placing patching mortar or concrete.

3.6 PATCHING MORTAR APPLICATION

- A. Place patching mortar as specified in this article unless otherwise recommended in writing by manufacturer.
- B. Pretreatment: Apply specified bonding agent.
- C. General Placement: Place patching mortar by troweling toward edges of patch to force intimate contact with edge surfaces. For large patches, fill edges first and then work toward center, always troweling toward edges of patch. At fully exposed reinforcing bars, force patching mortar to fill space behind bars by compacting with trowel from sides of bars.
- D. Consolidation: After each lift is placed, consolidate material and screed surface.
- E. Multiple Lifts: Where multiple lifts are used, score surface of lifts to provide a rough surface for placing subsequent lifts. Allow each lift to reach final set before placing subsequent lifts.
- F. Curing: Wet-cure cementitious patching materials, including polymer-modified cementitious patching materials, for not less than seven days by water-fog spray or water-saturated absorptive cover.

3.7 DRY-PACK-MORTAR APPLICATION

- A. Use dry-pack mortar for deep cavities. Place as specified in this article unless otherwise recommended in writing by manufacturer.
 - 1. Provide forms where necessary to confine patch to required shape.
 - 2. Wet substrate and forms thoroughly and then remove standing water.
- B. Pretreatment: Apply specified bonding agent. Place dry-pack mortar into cavity by hand, and compact tightly into place. Do not place more material at a time than can be properly

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compacted. Continue placing and compacting until patch is approximately level with surrounding surface.

- C. After cavity is filled and patch is compacted, trowel surface to match profile and finish of surrounding concrete. A thin coat of patching mortar may be troweled into the surface of patch to help obtain required finish.
- D. Wet-cure patch for not less than seven days by water-fog spray or water-saturated absorptive cover.

3.8 CONCRETE PLACEMENT

- A. Place concrete according to Section 033000 "Cast-in-Place Concrete" and as specified in this article.
- B. Pretreatment: Apply epoxy bonding agent to reinforcement and concrete substrate.
- C. Standard Placement: Place concrete by form-and-pump method unless otherwise indicated.
 - 1. Use vibrators to consolidate concrete as it is placed.
 - 2. At unformed surfaces, screed concrete to produce a surface that when finished with patching mortar will match required profile and surrounding concrete.
- D. Wet-cure concrete for not less than seven days by leaving forms in place or keeping surfaces continuously wet by water-fog spray or water-saturated absorptive cover.
- E. Fill placement cavities with dry-pack mortar and repair voids with patching mortar. Finish to match surrounding concrete.

3.9 FLOOR JOINT REPAIR

- A. Cut out deteriorated concrete and reconstruct sides of joint with patching mortar as indicated on Drawings. Install joint filler in nonmoving floor joints where indicated and as specified in this article.
- B. Depth: Install joint filler to a depth of at least 3/4 inch (19 mm). Use fine silica sand no more than 1/4 inch (6 mm) deep to close base of joint. Do not use sealant backer rods or compressible fillers below joint filler.
- C. Top Surface: Install joint filler so that when cured, it is flush at top surface of adjacent concrete. If necessary, overfill joint and remove excess when filler has cured.

3.10 EPOXY CRACK INJECTION

- A. Clean cracks with oil-free compressed air or low-pressure water to remove loose particles.
- B. Clean areas to receive capping adhesive of oil, dirt, and other substances that would interfere with bond.

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- C. Place injection ports as recommended by epoxy manufacturer, spacing no farther apart than thickness of member being injected. Seal injection ports in place with capping adhesive.
- D. Seal cracks at exposed surfaces with a ribbon of capping adhesive at least 1/4 inch (6 mm) thick by 1 inch (25 mm) wider than crack.
- E. Inject cracks wider than 0.003 inch (0.075 mm) to a depth of 6 inches (152 mm).
- F. Inject epoxy adhesive, beginning at widest part of crack and working toward narrower parts. Inject adhesive into ports to refusal, capping adjacent ports when they extrude epoxy. Cap injected ports and inject through adjacent ports until crack is filled.
- G. After epoxy adhesive has set, remove injection ports and grind surfaces smooth.

3.11 CORROSION-INHIBITING-TREATMENT APPLICATION

- A. Apply by brush, roller, or airless spray in two coats at manufacturer's recommended application rate. Remove film of excess treatment by high-pressure washing before patching treated concrete.

3.12 POLYMER SEALER APPLICATION

- A. Apply polymer sealer by brush, roller, or airless spray at manufacturer's recommended application rate.
- B. Apply to traffic-bearing surfaces, including parking areas and walks.

END OF SECTION 030130

SECTION 05 12 00 - STRUCTURAL STEEL FRAMING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Structural Steel

1.2 DEFINITIONS

- A. Structural Steel: Elements of the structural frame indicated on Drawings and as described in AISC 303, "Code of Standard Practice for Steel Buildings and Bridges."

1.3 INFORMATIONAL SUBMITTALS

- A. Welding certificates.

1.4 QUALITY ASSURANCE

- A. Welding Qualifications: Qualify procedures and personnel according to AWS D1.1/D1.1M, "Structural Welding Code - Steel."
- B. Comply with applicable provisions of the following specifications and documents:
 - 1. AISC 303.
 - 2. AISC 360.
 - 3. RCSC's "Specification for Structural Joints Using ASTM A 325 or A 490 Bolts."

PART 2 - PRODUCTS

2.1 STRUCTURAL-STEEL MATERIALS

- A. Angles: ASTM A 36/A 36M.
- B. Welding Electrodes: Comply with AWS requirements.

2.2 BOLTS, CONNECTORS, AND ANCHORS

- A. High-Strength Bolts, Nuts, and Washers: ASTM A 325 (ASTM A 325M), Type 1, heavy-hex steel structural bolts.

2.3 PRIMER

- A. Primer: SSPC-Paint 25, Type I, zinc oxide, alkyd, linseed oil primer.

2.4 FABRICATION

- A. Structural Steel: Fabricate and assemble in shop to greatest extent possible. Fabricate according to AISC 303, "Code of Standard Practice for Steel Buildings and Bridges," and to AISC 360.
- B. High-Strength Bolts: Shop install high-strength bolts according to RCSC's "Specification for Structural Joints Using ASTM A 325 for type of bolt and type of joint specified."

1. Joint Type: Snug tightened
 - C. Weld Connections: Comply with AWS D1.1/D1.1M for tolerances, appearances, welding procedure specifications, weld quality, and methods used in correcting welding work.
- 2.5 SHOP PRIMING
- A. Shop prime steel surfaces except the following:
 1. Surfaces to be field welded.
 2. Surfaces enclosed in interior construction.
 - B. Surface Preparation: Clean surfaces to be painted. Remove loose rust and mill scale and spatter, slag, or flux deposits. Prepare surfaces according to the following specifications and standards:
 1. SSPC-SP 2, "Hand Tool Cleaning"
 - C. Priming: Immediately after surface preparation, apply primer according to manufacturer's written instructions and at rate recommended by SSPC to provide a minimum dry film thickness of 1.5 mils (0.038 mm). Use priming methods that result in full coverage of joints, corners, edges, and exposed surfaces.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify, with certified steel erector present, elevations of concrete and masonry-bearing surfaces and locations of anchor rods, bearing plates, and other embedments for compliance with requirements.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 ERECTION

- A. Set structural steel accurately in locations and to elevations indicated and according to AISC 303 and AISC 360.
- B. Maintain erection tolerances on structural steel within AISC 303, "Code of Standard Practice for Steel Buildings and Bridges."

3.3 FIELD CONNECTIONS

- A. High-Strength Bolts: Install high-strength bolts according to RCSC's "Specification for Structural Joints Using ASTM A 325 for type of bolt and type of joint specified."
 1. Joint Type: Snug tightened.
- B. Weld Connections: Comply with AWS D1.1/D1.1M for tolerances, appearances, welding procedure specifications, weld quality, and methods used in correcting welding work.
 1. Comply with AISC 303 and AISC 360 for bearing, alignment, adequacy of temporary connections, and removal of paint on surfaces adjacent to field welds.

END OF SECTION 05 12 00

Incomplete Document
Reference Only
Not For Construction

SECTION 054000 - COLD-FORMED METAL FRAMING – NOT FOR CONSTRUCTION

TIPS:

To view non-printing **Editor's Notes** that provide guidance for editing, click on MasterWorks/Single-File Formatting/Toggle/Editor's Notes.

To read **detailed research, technical information about products and materials, and coordination checklists**, click on MasterWorks/Supporting Information.

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. Exterior non-load-bearing wall framing.
2. Interior non-load-bearing wall framing exceeding height limitations of standard, nonstructural metal framing.
3. Ceiling joist framing.
4. Parapet framing.

B. Related Requirements:

1. Section 055000 "Metal Fabrications" for miscellaneous steel shapes, masonry shelf angles, and connections used with cold-formed metal framing.
2. Section 092116 "Gypsum Board Shaft Wall Assemblies" for interior non-load-bearing, metal-stud-framed, shaft-wall assemblies, with height limitations.
3. Section 092216 "Non-Structural Metal Framing" for standard, interior non-load-bearing, metal-stud framing, with height limitations and ceiling-suspension assemblies.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

B. Shop Drawings:

1. Include layout, spacings, sizes, thicknesses, and types of cold-formed steel framing; fabrication; and fastening and anchorage details, including mechanical fasteners.
2. Indicate reinforcing channels, opening framing, supplemental framing, strapping, bracing, bridging, splices, accessories, connection details, and attachment to adjoining work.

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- C. Delegated-Design Submittal: For cold-formed steel framing.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For testing agency.
- B. Welding certificates.
- C. Product Certificates: For each type of code-compliance certification for studs and tracks.
- D. Product Test Reports: For each listed product, for tests performed by **[manufacturer and witnessed by a qualified testing agency]** **[a qualified testing agency]**.
 - 1. Steel sheet.
 - 2. Expansion anchors.
 - 3. Power-actuated anchors.
 - 4. Mechanical fasteners.
 - 5. Vertical deflection clips.
 - 6. Horizontal drift deflection clips
 - 7. Miscellaneous structural clips and accessories.
- E. Evaluation Reports: For nonstandard cold-formed steel framing **[post-installed anchors]** **[and]** **[power-actuated fasteners]** from ICC-ES or other qualified testing agency acceptable to authorities having jurisdiction.

1.5 QUALITY ASSURANCE

- A. Testing Agency Qualifications: Qualified according to ASTM E 329 for testing indicated.
- B. Product Tests: Mill certificates or data from a qualified independent testing agency **[, or in-house testing with calibrated test equipment]** indicating steel sheet complies with requirements, including base metal thickness, yield strength, tensile strength, total elongation, chemical requirements, and metallic-coating thickness.
- C. Code-Compliance Certification of Studs and Tracks: Provide documentation that framing members are certified according to the product-certification program of **[the Certified Steel Stud Association]** **[the Steel Framing Industry Association]** **[or]** **[the Steel Stud Manufacturers Association]**.
- D. Welding Qualifications: Qualify procedures and personnel according to the following:
 - 1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."
 - 2. AWS D1.3/D1.3M, "Structural Welding Code - Sheet Steel."
- E. Comply with AISI S230 "Standard for Cold-Formed Steel Framing - Prescriptive Method for One and Two Family Dwellings."

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. [<Double click here to find, evaluate, and insert list of manufacturers and products.>](#)

2.2 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design cold-formed steel framing.
- B. Structural Performance: Provide cold-formed steel framing capable of withstanding design loads within limits and under conditions indicated.
1. Design Loads: **[As indicated on Drawings]** **<Insert design loads>**.
 2. Deflection Limits: Design framing systems to withstand **[design loads]** without deflections greater than the following:
 - a. Exterior Load-Bearing Wall Framing: Horizontal deflection of **[1/240]** **[1/360]** **[1/600]** **[1/720]** of the wall height.
 - b. Interior Load-Bearing Wall Framing: Horizontal deflection of **[1/240]** **[1/360]** of the wall height under a horizontal load of **5 lbf/sq. ft. (239 Pa)**.
 - c. Exterior Non-Load-Bearing Framing: Horizontal deflection of **[1/240]** **[1/360]** **[1/600]** **[1/720]** **<Insert ratio>** of the wall height.
 - d. Interior Non-Load-Bearing Framing: Horizontal deflection of **[1/240]** **[1/360]** of the wall height under a horizontal load of **5 lbf/sq. ft. (239 Pa)**.
 - e. Floor Joist Framing: Vertical deflection of **[1/360]** **[1/480]** for live loads and 1/240 for total loads of the span.
 - f. Roof Rafter Framing: Vertical deflection of **[1/120]** **[1/240]** **[1/360]** of the horizontally projected span for live loads.
 - g. Ceiling Joist Framing: Vertical deflection of **[1/120]** **[1/240]** **[1/360]** of the span for live loads and 1/240 for total loads of the span.
 3. Design framing systems to provide for movement of framing members located outside the insulated building envelope without damage or overstressing, sheathing failure, connection failure, undue strain on fasteners and anchors, or other detrimental effects when subject to a maximum ambient temperature change of **120 deg F (67 deg C)**.
 4. Design framing system to maintain clearances at openings, to allow for construction tolerances, and to accommodate live load deflection of primary building structure as follows:
 - a. Upward and downward movement of **[1/2 inch (13 mm)]** **[3/4 inch (19 mm)]** **[1 inch (25 mm)]** **[1-1/2 inches (38 mm)]**.
 5. Design exterior non-load-bearing wall framing to accommodate horizontal deflection without regard for contribution of sheathing materials.
- C. Cold-Formed Steel Framing Standards: Unless more stringent requirements are indicated, framing shall comply with AISI S100, AISI S200, and the following:

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1. Floor and Roof Systems: AISI S210.
2. Wall Studs: AISI S211.
3. Headers: AISI S212.
4. Lateral Design: AISI S213.

D. Fire-Resistance Ratings: Comply with ASTM E 119; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency

1. Indicate design designations from UL's "Fire Resistance Directory" or from the listings of another qualified testing agency acceptable to authorities having jurisdiction.

2.3 COLD-FORMED STEEL FRAMING MATERIALS

A. [<Double click to insert sustainable design text for recycled content.>](#)

B. Steel Sheet: ASTM A 1003/A 1003M, Structural Grade, Type H, metallic coated, of grade and coating designation as follows:

1. Grade: [ST33H (ST230H)] [ST50H (ST340H)] [As required by structural performance] <Insert grade>.
2. Coating: [G60 (Z180), A60 (ZF180), AZ50 (AZM150), or GF30 (ZGF90)] [G90 (Z275) or equivalent] <Insert coating designation>.

C. Steel Sheet for [Vertical Deflection] [Drift] Clips: ASTM A 653/A 653M, structural steel, zinc coated, of grade and coating as follows:

1. Grade: [33 (230)] [50 (340), Class 1] [As required by structural performance] <Insert grade>.
2. Coating: [G60 (Z180)] [G90 (Z275)] <Insert coating designation>.

2.4 LOAD-BEARING WALL FRAMING

A. Steel Studs: Manufacturer's standard C-shaped steel studs, of web depths indicated, punched, with stiffened flanges, and as follows:

1. Minimum Base-Metal Thickness: [0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)] <Insert dimension>.
2. Flange Width: [1-3/8 inches (35 mm)] [1-5/8 inches (41 mm)] [2 inches (51 mm)] [2-1/2 inches (63 mm)] <Insert dimension>.
3. Section Properties: <Insert minimum allowable calculated section modulus, moment of inertia, and allowable moment>.

B. Steel Track: Manufacturer's standard U-shaped steel track, of web depths indicated, unpunched, with straight flanges, and as follows:

1. Minimum Base-Metal Thickness: [0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)] [Matching steel studs] <Insert dimension>.

2. Flange Width: **[1-1/4 inches (32 mm)]** <Insert dimension if manufacturer's standard width is insufficient>.
- C. Steel Box or Back-to-Back Headers: Manufacturer's standard C-shapes used to form header beams, of web depths indicated, unpunched, with stiffened flanges, and as follows:
1. Minimum Base-Metal Thickness: **[0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)]** <Insert dimension>.
 2. Flange Width: **[1-3/8 inches (35 mm)] [1-5/8 inches (41 mm)] [2 inches (51 mm)] [2-1/2 inches (63 mm)]** <Insert dimension>.
 3. Section Properties: <Insert minimum allowable calculated section modulus, moment of inertia, and allowable moment>.
- D. Steel Single- or Double-L Headers: Manufacturer's standard L-shapes used to form header beams, of web depths indicated, and as follows:
1. Minimum Base-Metal Thickness: **[0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)]** <Insert dimension>.
 2. Top Flange Width: **[1-1/2 inches (38 mm)] [1-5/8 inches (41 mm)] [2 inches (51 mm)] [2-1/2 inches (63 mm)]** <Insert dimension>.
 3. Section Properties: <Insert minimum allowable calculated section modulus, moment of inertia, and allowable moment>.

2.5 EXTERIOR NON-LOAD-BEARING WALL FRAMING

- A. Steel Studs: Manufacturer's standard C-shaped steel studs, of web depths indicated, punched, with stiffened flanges, and as follows:
1. Minimum Base-Metal Thickness: **[0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)]** <Insert dimension>.
 2. Flange Width: **[1-3/8 inches (35 mm)] [1-5/8 inches (41 mm)] [2 inches (51 mm)] [2-1/2 inches (63 mm)]** <Insert dimension>.
 3. Section Properties: <Insert minimum allowable calculated section modulus, moment of inertia, and allowable moment>.
- B. Steel Track: Manufacturer's standard U-shaped steel track, of web depths indicated, unpunched, with unstiffened flanges, and as follows:
1. Minimum Base-Metal Thickness: **[0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)]** [Matching steel stud] <Insert dimension>.
 2. Flange Width: **[1-1/4 inches (32 mm)]** <Insert dimension if manufacturer's standard width is insufficient>.
- C. Vertical Deflection Clips: Manufacturer's standard [bypass] [head] clips, capable of accommodating upward and downward vertical displacement of primary structure through positive mechanical attachment to stud web.

1. [<Double click here to find, evaluate, and insert list of manufacturers and products.>](#)
- D. Single Deflection Track: Manufacturer's single, deep-leg, U-shaped steel track; unpunched, with unstiffened flanges, of web depth to contain studs while allowing free vertical movement, with flanges designed to support horizontal loads and transfer them to the primary structure, and as follows:
 1. Minimum Base-Metal Thickness: [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)] <Insert dimension>.
 2. Flange Width: [1 inch (25 mm) plus the design gap for one-story structures] [and] [1 inch (25 mm) plus twice the design gap for other applications] <Insert dimension>.
- E. Double Deflection Tracks: Manufacturer's double, deep-leg, U-shaped steel tracks, consisting of nested inner and outer tracks; unpunched, with unstiffened flanges.
 1. Outer Track: Of web depth to allow free vertical movement of inner track, with flanges designed to support horizontal loads and transfer them to the primary structure, and as follows:
 - a. Minimum Base-Metal Thickness: [0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)] <Insert dimension>.
 - b. Flange Width: [1 inch (25 mm) plus the design gap for one-story structures] [and] [1 inch (25 mm) plus twice the design gap for other applications] <Insert dimension>.
 2. Inner Track: Of web depth indicated, and as follows:
 - a. Minimum Base-Metal Thickness: [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)] <Insert dimension>.
 - b. Flange Width: <Insert dimension equal to sum of outer deflection track flange width plus 1 inch (25 mm)>.
- F. Drift Clips: Manufacturer's standard bypass or head clips, capable of isolating wall stud from upward and downward vertical displacement and lateral drift of primary structure through positive mechanical attachment to stud web and structure.

2.6 INTERIOR NON-LOAD-BEARING WALL FRAMING

- A. Steel Studs: Manufacturer's standard C-shaped steel studs, of web depths indicated, punched, with stiffened flanges, and as follows:
 1. Minimum Base-Metal Thickness: [0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)] <Insert dimension>.
 2. Flange width: [1-3/8 inches (35 mm)] [1-5/8 inches (41 mm)] [2 inches (51 mm)] [2-1/2 inches (63 mm)] <Insert dimension>.
 3. Section Properties: <Insert minimum allowable calculated section modulus, moment of inertia, and allowable moment>.

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- B. Steel Track: Manufacturer's standard U-shaped steel track, of web depths indicated, unpunched, with unstiffened flanges, and as follows:
1. Minimum Base-Metal Thickness: [0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)] [Matching steel studs] <Insert dimension>.
 2. Flange Width: [1-1/4 inches (32 mm)] <Insert dimension if manufacturer's standard width is insufficient>.
- C. Vertical Deflection Clips: Manufacturer's standard [bypass] [head] clips, capable of accommodating upward and downward vertical displacement of primary structure through positive mechanical attachment to stud web.
1. <Double click here to find, evaluate, and insert list of manufacturers and products.>
- D. Single Deflection Track: Manufacturer's single, deep-leg, U-shaped steel track; unpunched, with unstiffened flanges, of web depth to contain studs while allowing free vertical movement, with flanges designed to support horizontal loads and transfer them to the primary structure, and as follows:
1. Minimum Base-Metal Thickness: [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)] <Insert dimension>.
 2. Flange Width: [1 inch (25 mm) plus the design gap for one-story structures] [and] [1 inch (25 mm) plus twice the design gap for other applications] <Insert dimension>.
- E. Double Deflection Tracks: Manufacturer's double, deep-leg, U-shaped steel tracks, consisting of nested inner and outer tracks; unpunched, with unstiffened flanges.
1. Outer Track: Of web depth to allow free vertical movement of inner track, with flanges designed to support horizontal loads and transfer them to the primary structure, and as follows:
 - a. Minimum Base-Metal Thickness: [0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)] <Insert dimension>.
 - b. Flange Width: [1 inch (25 mm) plus the design gap for one-story structures] [and] [1 inch (25 mm) plus twice the design gap for other applications] <Insert dimension>.
 2. Inner Track: Of web depth indicated, and as follows:
 - a. Minimum Base-Metal Thickness: [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)] <Insert dimension>.
 - b. Flange Width: <Insert dimension equal to sum of outer deflection track flange width plus 1 inch (25 mm)>.
- F. Drift Clips: Manufacturer's standard bypass or head clips, capable of isolating wall stud from upward and downward vertical displacement and lateral drift of primary structure through positive mechanical attachment to stud web and structure.

2.7 CEILING JOIST FRAMING

- A. Steel Ceiling Joists: Manufacturer's standard C-shaped steel sections, of web depths indicated, **[unpunched,] [punched with standard holes,] [punched with enlarged service holes,]** with stiffened flanges, and as follows:

1. Minimum Base-Metal Thickness: **[0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)]** <Insert dimension>.
2. Flange Width: **[1-5/8 inches (41 mm)] [2 inches (51 mm)] [2-1/2 inches (63 mm)]** <Insert dimension>, minimum.
3. Section Properties: <Insert minimum allowable calculated section modulus, moment of inertia, and allowable moment>.

2.8 PARAPET FRAMING

- A. Parapet Frame: Manufacturer's standard C-shaped steel sections, of web depths indicated, with stiffened flanges, and as follows:

1. Minimum Base-Metal Thickness: **[0.0329 inch (0.84 mm)] [0.0428 inch (1.09 mm)] [0.0538 inch (1.37 mm)] [0.0677 inch (1.72 mm)] [0.0966 inch (2.45 mm)]** <Insert dimension>.
2. Flange Width: **[1-5/8 inches (41 mm)] [2 inches (51 mm)] [2-1/2 inches (63 mm)]** <Insert dimension>, minimum.
3. Section Properties: <Insert minimum allowable calculated section modulus, moment of inertia, and allowable moment>.

2.9 FRAMING ACCESSORIES

- A. Fabricate steel-framing accessories from ASTM A 1003/A 1003M, Structural Grade, Type H, metallic coated steel sheet, of same grade and coating designation used for framing members.

- B. Provide accessories of manufacturer's standard thickness and configuration, unless otherwise indicated, as follows:

1. Supplementary framing.
2. Bracing, bridging, and solid blocking.
3. Web stiffeners.
4. Anchor clips.
5. End clips.
6. Foundation clips.
7. Gusset plates.
8. Stud hangers and knee braces.
9. Joist hangers and end closures.
10. Hole-reinforcing plates.
11. Backer plates.

2.10 ANCHORS, CLIPS, AND FASTENERS

- A. Steel Shapes and Clips: ASTM A 36/A 36M, zinc coated by hot-dip process according to ASTM A 123/A 123M.
- B. Anchor Bolts: ASTM F 1554, [Grade 36] [Grade 55], threaded carbon-steel [hex-headed bolts,] [headless, hooked bolts,] [headless bolts, with encased end threaded,] carbon-steel nuts, and flat, hardened-steel washers; zinc coated by [hot-dip process according to ASTM A 153/A 153M, Class C] [mechanically deposition according to ASTM B 695, Class 50].
- C. Post-Installed Anchors: Fastener systems with bolts of same basic metal as fastened metal, if visible, unless otherwise indicated; with working capacity greater than or equal to the design load, according to an evaluation report acceptable to authorities having jurisdiction, based on [ICC-ES AC01] [ICC-ES AC193] [ICC-ES AC58] [or] [ICC-ES AC308] as appropriate for the substrate.
 1. Uses: Securing cold-formed steel framing to structure.
 2. Type: [Torque-controlled expansion anchor] [Torque-controlled adhesive anchor] [or] [adhesive anchor].
 3. Material for Interior Locations: Carbon-steel components zinc plated to comply with ASTM B 633 or ASTM F 194 (ASTM F 1941M), Class Fe/Zn 5, unless otherwise indicated.
 4. Material for Exterior or Interior Locations and Where Stainless Steel is Indicated: Alloy [Group 1 (A1)] [Group 2 (A4)] stainless-steel bolts, ASTM F 93 (ASTM F 738M), and nuts, ASTM F 594 (ASTM F 836M).
- D. Power-Actuated Anchors: Fastener systems with working capacity greater than or equal to the design load, according to an evaluation report acceptable to authorities having jurisdiction, based on ICC-ES AC70.
- E. Mechanical Fasteners: ASTM C 1513, corrosion-resistant-coated, self-drilling, self-tapping, steel drill screws.
 1. Head Type: Low-profile head beneath sheathing; manufacturer's standard elsewhere.
- F. Welding Electrodes: Comply with AWS standards.

2.11 MISCELLANEOUS MATERIALS

- A. Galvanizing Repair Paint: [ASTM A 780/A 780M] [MIL-P-21035B] [or] [SSPC-Paint 20].
- B. Cement Grout: Portland cement, ASTM C 150/C 150M, Type I; and clean, natural sand, ASTM C 404. Mix at ratio of 1 part cement to 2-1/2 parts sand, by volume, with minimum water required for placement and hydration.
- C. Nonmetallic Nonshrink Grout: Factory-packaged, nonmetallic, noncorrosive, nonstaining grout, complying with ASTM C 1107/C 1107M, and with a fluid consistency and 30-minute working time.

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- D. Shims: Load-bearing, high-density, multimonomer, nonleaching plastic; or cold-formed steel of same grade and metallic coating as framing members supported by shims.
- E. Sealer Gaskets: Closed-cell neoprene foam, **1/4 inch** (6 mm) thick, selected from manufacturer's standard widths to match width of bottom track or rim track members as required.

2.12 FABRICATION

- A. Fabricate cold-formed steel framing and accessories plumb, square, and true to line, and with connections securely fastened, according to referenced AISI's specifications and standards, manufacturer's written instructions, and requirements in this Section.
 - 1. Fabricate framing assemblies using jigs or templates.
 - 2. Cut framing members by sawing or shearing; do not torch cut.
 - 3. Fasten cold-formed steel framing members by welding, screw fastening, clinch fastening, pneumatic pin fastening, or riveting as standard with fabricator. Wire tying of framing members is not permitted.
 - a. Comply with AWS D1.3/D1.3M requirements and procedures for welding, appearance and quality of welds, and methods used in correcting welding work.
 - b. Locate mechanical fasteners and install according to Shop Drawings, with screws penetrating joined members by no fewer than three exposed screw threads.
 - 4. Fasten other materials to cold-formed steel framing by welding, bolting, pneumatic pin fastening, or screw fastening, according to Shop Drawings.
- B. Reinforce, stiffen, and brace framing assemblies to withstand handling, delivery, and erection stresses. Lift fabricated assemblies by means that prevent damage or permanent distortion.
- C. Tolerances: Fabricate assemblies level, plumb, and true to line to a maximum allowable variation of **1/8 inch in 10 feet** (1:960) and as follows:
 - 1. Spacing: Space individual framing members no more than plus or minus **1/8 inch** (3 mm) from plan location. Cumulative error shall not exceed minimum fastening requirements of sheathing or other finishing materials.
 - 2. Squariness: Fabricate each cold-formed steel framing assembly to a maximum out-of-square tolerance of **1/8 inch** (3 mm).

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, conditions, and abutting structural framing for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Before sprayed fire-resistive materials are applied, attach continuous angles, supplementary framing, or tracks to structural members indicated to receive sprayed fire-resistive materials.
- B. After applying sprayed fire-resistive materials, remove only as much of these materials as needed to complete installation of cold-formed framing without reducing thickness of fire-resistive materials below that required to obtain fire-resistance ratings indicated. Protect remaining fire-resistive materials from damage.
- C. Install load-bearing shims or grout between the underside of load-bearing wall bottom track and the top of foundation wall or slab at locations with a gap larger than **1/4 inch** (6 mm) to ensure a uniform bearing surface on supporting concrete or masonry construction.
- D. Install sealer gaskets at the underside of wall bottom track or rim track and at the top of foundation wall or slab at stud or joist locations.

3.3 INSTALLATION, GENERAL

- A. Cold-formed steel framing may be shop or field fabricated for installation, or it may be field assembled.
- B. Install cold-formed steel framing according to AISI S200, AISI S202, and manufacturer's written instructions unless more stringent requirements are indicated.
- C. Install shop- or field-fabricated, cold-formed framing and securely anchor to supporting structure.
 - 1. Screw, bolt, or weld wall panels at horizontal and vertical junctures to produce flush, even, true-to-line joints with maximum variation in plane and true position between fabricated panels not exceeding **1/16 inch** (1.6 mm).
- D. Install cold-formed steel framing and accessories plumb, square, and true to line, and with connections securely fastened.
 - 1. Cut framing members by sawing or shearing; do not torch cut.
 - 2. Fasten cold-formed steel framing members by welding, screw fastening, clinch fastening, or riveting. Wire tying of framing members is not permitted.
 - a. Comply with AWS D1.3/D1.3M requirements and procedures for welding, appearance and quality of welds, and methods used in correcting welding work.
 - b. Locate mechanical fasteners, install according to Shop Drawings, and comply with requirements for spacing, edge distances, and screw penetration.
- E. Install framing members in one-piece lengths unless splice connections are indicated for track or tension members.
- F. Install temporary bracing and supports to secure framing and support loads equal to those for which structure was designed. Maintain braces and supports in place, undisturbed, until entire

integrated supporting structure has been completed and permanent connections to framing are secured.

- G. Do not bridge building expansion joints with cold-formed steel framing. Independently frame both sides of joints.
- H. Install insulation, specified in Section 072100 "Thermal Insulation," in framing-assembly members, such as headers, sills, boxed joists, and multiple studs at openings, that are inaccessible on completion of framing work.
- I. Fasten hole-reinforcing plate over web penetrations that exceed size of manufacturer's approved or standard punched openings.

3.4 LOAD-BEARING WALL INSTALLATION

- A. Install continuous top and bottom tracks sized to match studs. Align tracks accurately and securely anchor at corners and ends, and at spacings as follows:
 - 1. Anchor Spacing: [24 inches (610 mm)] [32 inches (813 mm)] [To match stud spacing] [As shown on Shop Drawings] <Insert dimension>.
- B. Squarely seat studs against top and bottom tracks, with gap not exceeding 1/8 inch (3 mm) between the end of wall-framing member and the web of track. Fasten both flanges of studs to top and bottom tracks. Space studs as follows:
 - 1. Stud Spacing: 16 inches (406 mm).
- C. Set studs plumb, except as needed for diagonal bracing or required for nonplumb walls or warped surfaces and similar configurations.
- D. Align studs vertically where floor framing interrupts wall-framing continuity. Where studs cannot be aligned, continuously reinforce track to transfer loads.
- E. Align floor and roof framing over studs according to AISI S200, Section C1. Where framing cannot be aligned, continuously reinforce track to transfer loads.
- F. Anchor studs abutting structural columns or walls, including masonry walls, to supporting structure.
- G. Install headers over wall openings wider than stud spacing. Locate headers above openings. Fabricate headers of compound shapes indicated or required to transfer load to supporting studs, complete with clip-angle connectors, web stiffeners, or gusset plates.
 - 1. Frame wall openings with not less than a double stud at each jamb of frame. Fasten jamb members together to uniformly distribute loads.
 - 2. Install tracks and jack studs above and below wall openings. Anchor tracks to jamb studs with clip angles or by welding, and space jack studs same as full-height wall studs.
- H. Install supplementary framing, blocking, and bracing in stud framing indicated to support fixtures, equipment, services, casework, heavy trim, furnishings, and similar work requiring attachment to framing.

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1. If type of supplementary support is not indicated, comply with stud manufacturer's written recommendations and industry standards in each case, considering weight or load resulting from item supported.
 - I. Install horizontal bridging in stud system, spaced vertically [**48 inches (1220 mm)**] [**as indicated on Drawings**] [**as indicated on Shop Drawings**] <Insert dimension>. Fasten at each stud intersection.
 1. Channel Bridging: Cold-rolled steel channel, welded or mechanically fastened to webs of punched studs with a minimum of two screws into each flange of the clip angle for framing members up to **6 inches (150 mm)** deep.
 2. Strap Bridging: Combination of flat, taut, steel sheet straps of width and thickness indicated and stud-track solid blocking of width and thickness to match studs. Fasten flat straps to stud flanges, and secure solid blocking to stud webs or flanges.
 3. Bar Bridging: Proprietary bridging bars installed according to manufacturer's written instructions.
 - J. Install steel sheet diagonal bracing straps to both stud flanges; terminate at and fasten to reinforced top and bottom tracks. Fasten clip-angle connectors to multiple studs at ends of bracing and anchor to structure.
 - K. Install miscellaneous framing and connections, including supplementary framing, web stiffeners, clip angles, continuous angles, anchors and fasteners, to provide a complete and stable wall-framing system.
- 3.5 EXTERIOR NON-LOAD-BEARING WALL INSTALLATION
- A. Install continuous tracks sized to match studs. Align tracks accurately and securely anchor to supporting structure.
 - B. Fasten both flanges of studs to [top and] bottom track unless otherwise indicated. Space studs as follows:
 1. Stud Spacing: [**2 inches (305 mm)**] [**16 inches (406 mm)**] [**19.2 inches (488 mm)**] [**24 inches (610 mm)**] [**As indicated on Drawings**] <Insert dimension>.
 2. Stud Spacing: [300 mm] [400 mm] [480 mm] [600 mm] [**As indicated on Drawings**] <Insert dimension>.
 - C. Set studs plumb, except as needed for diagonal bracing or required for nonplumb walls or warped surfaces and similar requirements.
 - D. Isolate non-load-bearing steel framing from building structure to prevent transfer of vertical loads while providing lateral support.
 1. Install single deep-leg deflection tracks and anchor to building structure.
 2. Install double deep-leg deflection tracks and anchor outer track to building structure.
 3. Connect vertical deflection clips to [**bypassing**] [**infill**] studs and anchor to building structure.
 4. Connect drift clips to cold-formed steel framing and anchor to building structure.

- E. Install horizontal bridging in wall studs, spaced vertically in rows indicated[**on Shop Drawings**] but not more than **48 inches** (1220 mm) apart. Fasten at each stud intersection.
 - 1. Channel Bridging: Cold-rolled steel channel, welded or mechanically fastened to webs of punched studs.
 - 2. Strap Bridging: Combination of flat, taut, steel sheet straps of width and thickness indicated and stud-track solid blocking of width and thickness to match studs. Fasten flat straps to stud flanges and secure solid blocking to stud webs or flanges.
 - 3. Bar Bridging: Proprietary bridging bars installed according to manufacturer's written instructions.
- F. Top Bridging for Single Deflection Track: Install row of horizontal bridging within [**12 inches (305 mm)**] [**18 inches (450 mm)**] of single deflection track. Install a combination of bridging and stud or stud-track solid blocking of width and thickness matching studs, secured to stud webs or flanges.
 - 1. Install solid blocking at [**96-inch (2440 mm) centers**] [**centers indicated**] [**centers indicated on Shop Drawings**].
- G. Install miscellaneous framing and connections, including stud kickers, web stiffeners, clip angles, continuous angles, anchors, and fasteners, to provide a complete and stable wall-framing system.

3.6 INTERIOR NON-LOAD BEARING WALL INSTALLATION

- A. Install continuous tracks sized to match studs. Align tracks accurately and securely anchor to supporting structure.
- B. Fasten both flanges of studs to [top and] bottom track unless otherwise indicated. Space studs as follows:
 - 1. Stud Spacing: [**12 inches (305 mm)**] [**16 inches (406 mm)**] [**19.2 inches (488 mm)**] [**24 inches (610 mm)**] [**As indicated on Drawings**] <Insert dimension>.
 - 2. Stud Spacing: [300 mm] [400 mm] [480 mm] [600 mm] [**As indicated on Drawings**] <Insert dimension>.
- C. Set studs plumb, except as needed for diagonal bracing or required for nonplumb walls or warped surfaces and similar requirements.
- D. Isolate non-load-bearing steel framing from building structure to prevent transfer of vertical loads while providing lateral support.
 - 1. Install single deep-leg deflection tracks and anchor to building structure.
 - 2. Install double deep-leg deflection tracks and anchor outer track to building structure.
 - 3. Connect vertical deflection clips to studs and anchor to building structure.
 - 4. Connect drift clips to cold-formed steel metal framing and anchor to building structure.
- E. Install horizontal bridging in wall studs, spaced vertically in rows indicated[**on Shop Drawings**] but not more than **48 inches** (1220 mm) apart. Fasten at each stud intersection.

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1. Channel Bridging: Cold-rolled steel channel, welded or mechanically fastened to webs of punched studs.
 2. Strap Bridging: Combination of flat, taut, steel sheet straps of width and thickness indicated and stud-track solid blocking of width and thickness to match studs. Fasten flat straps to stud flanges and secure solid blocking to stud webs or flanges.
 3. Bar Bridging: Proprietary bridging bars installed according to manufacturer's written instructions.
- F. Top Bridging for Single Deflection Track: Install row of horizontal bridging within [**12 inches (305 mm)**] [**18 inches (450 mm)**] of single deflection track. Install a combination of bridging and stud or stud-track solid blocking of width and thickness matching studs, secured to stud webs or flanges.
1. Install solid blocking at [**96-inch (2440-mm) centers**] [**centers indicated**] [**centers indicated on Shop Drawings**].
- G. Install miscellaneous framing and connections, including stud kickers, web stiffeners, clip angles, continuous angles, anchors, and fasteners, to provide a complete and stable wall-framing system.

3.7 JOIST INSTALLATION

- A. Install perimeter joist track sized to match joists. Align and securely anchor or fasten track to supporting structure at corners, ends, and spacings indicated [**on Shop Drawings**].
- B. Install joists bearing on supporting frame, level, straight, and plumb; adjust to final position, brace, and reinforce. Fasten joists to both flanges of joist track.
1. Install joists over supporting frame with a minimum end bearing of **1-1/2 inches (38 mm)**.
 2. Reinforce ends and bearing points of joists with web stiffeners, end clips, joist hangers, steel clip angles, or steel-stud sections.
- C. Space joists not more than **2 inches (51 mm)** from abutting walls, and as follows:
1. Joist Spacing: [**12 inches (305 mm)**] [**16 inches (406 mm)**] [**19.2 inches (488 mm)**] [**24 inches (610 mm)**] [**As indicated on Drawings**] <Insert dimension>.
 2. Joist Spacing: [**300 mm**] [**400 mm**] [**480 mm**] [**600 mm**] [**As indicated on Drawings**] <Insert dimension>.
- D. Frame openings with built-up joist headers, consisting of joist and joist track or another combination of connected joists if indicated.
- E. Install joist reinforcement at interior supports with single, short length of joist section located directly over interior support, with lapped joists of equal length to joist reinforcement.
1. Install web stiffeners to transfer axial loads of walls above.
- F. Install bridging at intervals indicated [**on Shop Drawings**]. Fasten bridging at each joist intersection as follows:

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1. Joist-Track Solid Bridging: Joist-track solid blocking of width and thickness indicated, secured to joist webs.
 2. Combination Bridging: Combination of flat, taut, steel sheet straps of width and thickness indicated and joist-track solid blocking of width and thickness indicated. Fasten flat straps to bottom flange of joists and secure solid blocking to joist webs.
- G. Secure joists to load-bearing interior walls to prevent lateral movement of bottom flange.
- H. Install miscellaneous joist framing and connections, including web stiffeners, closure pieces, clip angles, continuous angles, hold-down angles, anchors, and fasteners to provide a complete and stable joist-framing assembly.

3.8 ERECTION TOLERANCES

- A. Install cold-formed steel framing level, plumb, and true to line to a maximum allowable tolerance variation of **1/8 inch in 10 feet** (1:960) and as follows:
1. Space individual framing members no more than plus or minus **1/8 inch** (3 mm) from plan location. Cumulative error shall not exceed minimum fastening requirements of sheathing or other finishing materials.

3.9 FIELD QUALITY CONTROL

- A. Testing: Owner will engage a qualified independent testing and inspecting agency to perform field tests and inspections and prepare test reports.
- B. Field and shop welds will be subject to testing and inspecting.
- C. Testing agency will report test results promptly and in writing to Contractor and Architect.
- D. Cold-formed steel framing will be considered defective if it does not pass tests and inspections.
- E. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

3.10 REPAIRS AND PROTECTION

- A. Galvanizing Repairs: Prepare and repair damaged galvanized coatings on fabricated and installed cold-formed steel framing with galvanized repair paint according to ASTM A 780/A 780M and manufacturer's written instructions.
- B. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure that cold-formed steel framing is without damage or deterioration at time of Substantial Completion.

END OF SECTION 054000

SECTION 22 00 10 - GENERAL PLUMBING REQUIREMENTS

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. Furnish all labor, materials, equipment, and incidentals necessary to provide a complete and operational plumbing system as shown on the Drawings and as specified herein.
- B. Installation of equipment that has not been specifically detailed in the Drawings shall be installed per that equipment manufacturer's recommended installation instructions or industry Standard Methods. All hardware and materials required for said equipment installation shall be included in the bid price.
- C. Demolition shall be as shown on the drawings and shall be in accordance with the requirements of Division 2.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Drawings and general provisions of the Contract, including General Supplementary Conditions and Divisions - 1 Specification sections, apply to work of this section. The following work incidental to the Mechanical System work shall be done under other Sections of the Specifications.

1.03 PROTECTION OF MATERIALS, WORKS, AND GROUNDS

- A. Materials, fixtures, and equipment shall be properly protected and all pipe openings shall be temporarily closed so as to prevent obstruction and damage.
- B. Protect and preserve all materials, supplies, and equipment of every description and all work performed. Damages shall be repaired or replaced promptly at no additional cost to the Owner.

1.04 CLEANING

- A. During the progress of the work, clean up and remove all debris. At completion, clean all equipment, piping, remove all stickers, non-permanent tags, and leave work in perfect operating condition. Provide non-shrink caulk around all fixtures and walls.

1.05 DRAWINGS

- A. All work shown on the Drawings is intended to be approximately correct to scale, but figures, dimensions, and detailed drawings are to be followed in every case. The Drawings shall be taken in a sense as diagrammatic. Size of pipes and methods of running them are shown, but it is not intended to show every offset and fitting, nor every structural difficulty that may be encountered. To carry out the true intent and purpose of the Drawings, all necessary parts to make complete working systems ready for use shall be furnished without extra charge. All work shall be installed in such a manner to avoid being unsightly.
- B. Locations shown on the Drawings are approximate, and it is intended that all equipment shall be located in accordance with the general and detail Drawings of the construction proper. All measurements shall be taken at the site.

1.06 REFERENCES

- A. Kentucky Building Code.
- B. Kentucky State Plumbing Law, Regulations, and Code.
- D. Kentucky Regulation, 803 KAR 2:200, Confined Space Entry.

1.07 CODES, ORDINANCES

- A. The minimum standard for all work shall be the latest revision of the Kentucky Plumbing Code. Whenever and wherever state laws and/or regulations and/or the Engineer's design requires a higher standard than the current Code, then these laws and/or regulations and/or the design shall be followed.

1.08 FEES/PERMITS

- A. Obtain all required permits, pay all fees for the same, and in general, take complete charge and responsibility for all legal requirements pertaining to this Section of the work.

1.10 COOPERATION WITH OTHER TRADES

- A. The work will be so performed that the progress of the entire building construction including all other trades, shall not be delayed nor interfered with. Materials and apparatus shall be installed promptly when and as desired.
- B. Confer with all other trades relative to location of all apparatus and equipment to be installed and select locations so as not to conflict with work of other Sections. Refer to the General Conditions for Dispute Resolution Requirements. All work and materials placed in violation of this shall be readjusted to the Engineer's satisfaction at no expense to the Owner.

- C. Where work of this Section will be installed in close proximity to work of other Sections or where there is evidence that the work of this Section will interfere with work of other Sections, assist in working out space conditions to make satisfactory adjustment. If so directed, prepare and submit for approval 1/4-inch scale or larger working drawings and sections, clearly showing how this work is to be installed in relation to the work of other Sections. If the work of this Section is installed before coordinating with other trades or so as to cause interference with work of other trades, make changes necessary to correct conditions without extra charge.

1.11 REVIEW OF MATERIALS

- A. Submit to the Engineer for review within 14 days after award of contract a complete list of materials and equipment to be incorporated in the work, together with the name and addresses of the manufacturer's and their catalog numbers and trade names.
- B. The Contractor is not allowed to substitute manufacturers listed in the Form of Proposal after the bid is accepted.
- C. The Engineer shall be notified by letter one week after the preconstruction meeting of any materials that have a delivery lead time of over six weeks.

1.14 SITE VISIT

- A. It shall be the responsibility of the bidder to visit the site before submitting his bid, and thoroughly note the conditions under which the work will be installed. No extra compensation will be later allowed for necessary work not figured that should have been foreseen.

1.18 CUTTING AND PATCHING

- A. Cutting and patching shall be held to an absolute minimum, and such work shall be done only under the direction of the Engineer or Owner. The Contractor shall be responsible for and pay for all openings that may be required in the walls, floors, and roofs, and shall be conducted at the project site by qualified representative of the manufacturer.
- B. Contractor must first locate concealed concrete steel prior to core drilling. Cutting of concrete reinforcing steel is not allowed.

1.20 RECORD DRAWINGS

- A. The Contractor shall maintain 1 set of the Contract Drawings on the job in good condition for examination at all times. The Contractor's qualified representative shall enter upon these drawings, from day to day, the actual "as built" record of construction and/or alteration progress. Entries and notes shall be made in a neat and legible manner and these drawings

delivered to the Engineer after completion of the construction, for use in preparation of Record Drawings.

1.21 WARRANTY

- A. The Contractor shall guarantee all work including equipment, materials, and workmanship. This guarantee shall be against all defects of any of the above and shall start from the date of project substantial completion and continue for a minimum of 1 year. Other items listed throughout Division 222 may have longer warranty requirements - see individual equipment specifications.
- B. See General Conditions for additional requirements.

1.23 ENVIRONMENTAL

- A. Contractor shall not use any materials that contain asbestos or lead.
- B. Contractor shall remove all refrigerants in existing refrigerant containing equipment in accordance with State and Local Laws and EPA Requirements. Fully recovered refrigerant over to the Owner.

1.24 COOPERATION

- A. Cooperate with other trades to obtain the most practical arrangement of work. Become familiar with drawings before starting work.
- B. Make known to other trades intended positioning of materials and intended order of work. Coordinate work with other trades and proceed with the installation to assure no delays to other trades. Determine intended positions of work of other trades and intended order of installation.

1.25 WORKMANSHIP

- A. Work shall be performed only by mechanics and tradesman skilled and working within their respective trades and shall present appearance typical of the best trade practices. Work not installed in this manner shall be repaired, removed or replaced, or otherwise remedied at Contractor's expense as directed by Engineer.

1.26 ORDER OF WORK

- A. Contractor shall organize work to cause least disturbance possible to operation of any building, service or system on site. When necessary to interrupt services, time of interruption shall be

approved by Owner. Work shall be scheduled to coincide with and cause the least possible disturbances to other contractor's work and schedules.

1.28 MATERIALS

- A. All materials used shall be new and at least meet the minimum standards as established by ANSI or ASTM. All pipe shall be manufactured in the United States of America.
- B. All salvaged or abandoned materials shall become the property of the Contractor and shall be removed from the job site upon completion of the project unless otherwise noted on the Contract Drawings.

1.30 SUBMISSION OF LIMITED AREA FIRE SUPPRESSION DRAWINGS TO CODE AUTHORITIES

- A. Contractor shall complete and submit all necessary forms, checks, and Shop Drawings to Kentucky Building Code Enforcement to gain their approval prior to performing any work. Shop Drawings shall be first submitted to the A/E prior to submission for review and acceptance. After receipt of accepted shop drawings from the A/E, then the Contractor shall make the code submittal to the State Building Code Review.

1.31 CONTRACTOR LICENSING

- A. Contractor shall be licensed in the State of Kentucky.

1.32 PLUMBING INSPECTIONS

- A. Contractor shall contact local health department or Division of Plumbing have installation reviewed by plumbing inspector. All costs for inspections shall be included in the project bid.

1.33 DEFINITIONS

- A. Furnish – Procure equipment/materials and deliver and unload at the project site.
- B. Install – Enter the equipment/materials permanently into the project and make operational.
- C. Provide – Furnish and Install.
- D. NEC – National Electrical Code

PART 2 - PRODUCTS

(Not Applicable)

PART 3 - EXECUTION

(Not Applicable)

END OF SECTION

Incomplete Document
Reference Only
Not For Construction

SECTION 22 13 16 - SANITARY WASTE AND VENT PIPING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Pipe, tube, and fittings.
 - 2. Specialty pipe fittings.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.

1.3 INFORMATIONAL SUBMITTALS

- A. Seismic Qualification Certificates: For waste and vent piping, accessories, and components, from manufacturer.
 - 1. Basis for Certification: Indicate whether withstand certification is based on actual test of assembled components or on calculation.
 - 2. Detailed description of piping anchorage devices on which the certification is based and their installation requirements.
- B. Field quality-control reports.

1.4 QUALITY ASSURANCE

- A. Piping materials shall bear label, stamp, or other markings of specified testing agency.
- B. Comply with NSF/ANSI 14, "Plastics Piping Systems Components and Related
- C. Kentucky Building Code compliance:
 - 1. All work shall be in accordance with the latest edition of the Kentucky Plumbing Code 815 KAR Chapter 20.

PART 2 - PRODUCTS

2.1 PIPING MATERIALS

- A. Comply with requirements in "Piping Schedule" Article for applications of pipe, tube, fitting materials, and joining methods for specific services, service locations, and pipe sizes.

2.2 HUBLESS CAST IRON

- A. Hubless Cast Iron pipe and fittings shall be manufactured from gray cast iron and shall conform to ASTM A 888 and CISPI Standard 301. All pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute ® and listed by NSF® International. Hubless Couplings shall conform to CISPI Standard 310 and be certified by NSF® International. Heavy Duty Couplings shall conform to ASTM C 1540 and shall be used if indicated. Gaskets shall conform to ASTM C 564. All pipe and fittings to be produced by a single manufacturer and are to be installed in accordance with manufacturer's recommendations and applicable code requirements. Couplings shall be installed in accordance with the manufacturer's band tightening sequence and torque recommendations. Tighten bands with a properly calibrated torque limiting device. The system shall be hydrostatically tested after installation to 10 ft. of head (4.3 psi maximum)

2.3 SPECIALTY PIPE FITTINGS

- A. Transition Couplings:

1. General Requirements: Fitting or device for joining piping with small differences in OD's or of different materials. Include end connections same size as and compatible with pipes to be joined.
2. Fitting-Type Transition Couplings: Manufactured piping coupling or specified piping system fitting.

Standard: ASTM C 1113.

- b. Description: Elastomeric, sleeve-type, reducing or transition pattern. Include shear ring and corrosion-resistant-metal tension band and tightening mechanism on each end.

- c. Sleeve Materials:

1. For Cast-Iron Soil Pipes: ASTM C 564, rubber.

PART 3 - EXECUTION

3.1 PIPING INSTALLATION

- A. Drawing plans, schematics, and diagrams indicate general location and arrangement of piping systems. Indicated locations and arrangements were used to size pipe and calculate friction loss, expansion, pump sizing, and other design considerations. Install piping as indicated unless deviations to layout are approved on coordination drawings.
- B. Install piping in concealed locations unless otherwise indicated and except in equipment rooms and service areas.
- C. Install piping indicated to be exposed and piping in equipment rooms and service areas at right angles or parallel to building walls. Diagonal runs are prohibited unless specifically indicated otherwise.
- D. Install piping above accessible ceilings to allow sufficient space for ceiling panel removal.
- E. Install piping at indicated slopes.
- F. Install piping free of tees and bends.
- G. Install fittings for changes in direction and branch connections.
- H. Make changes in direction for soil and waste drainage and vent piping using appropriate branches, bends, and long-sweep bends. Sanitary tees and short-sweep 1/4 bends may be used on vertical stacks if change in direction of flow is from horizontal to vertical. Use long-turn, double Y, branch and 1/8-bend fittings if two fixtures are installed back to back or side by side with common drain pipe. Straight tees, elbows, and crosses may be used on vent lines. Do not change direction of flow more than 90 degrees. Use proper size of standard increasers and reducers if pipes of different sizes are connected. Reducing size of drainage piping in direction of flow is prohibited.
- I. Do not enclose, cover, or put piping into operation until it is inspected and approved by authorities having jurisdiction.
- J. Install escutcheons for piping penetrations of walls, ceilings, and floors.

3.2 HANGER AND SUPPORT INSTALLATION

- A. Comply with requirements for seismic-restraint devices specified in Section 220548 "Vibration and Seismic Controls for Plumbing Piping and Equipment."
- B. Comply with requirements for pipe hanger and support devices and installation:

1. Install galvanized **carbon-steel** pipe hangers for horizontal piping in noncorrosive environments.
2. Install individual, straight, horizontal piping runs:
 - a. 100 Feet (30 m) and Less: MSS Type 1, adjustable, steel clevis hangers.
- C. Rod diameter may be reduced one size for double-rod hangers, with 3/8-inch (10-mm) minimum rods.
- D. Support piping and tubing not listed above according to MSS SP-99 and manufacturer's written instructions.

3.3 CONNECTIONS

- A. Drawings indicate general arrangement of piping, fittings, and specialties.
 1. Plumbing Fixtures and Equipment: Connect atmospheric vent piping in sizes indicated, but not smaller than required by authorities having jurisdiction.
 2. Plumbing Specialties: Connect drainage and vent piping in sizes indicated, but not smaller than required by plumbing code.

3.4 FIELD QUALITY CONTROL

- A. During installation, notify authorities having jurisdiction at least 24 hours before inspection must be made. Perform tests specified below in presence of authorities having jurisdiction.
 1. Roughing-in Inspection: Arrange for inspection of piping before concealing or closing-in after roughing-in and before setting fixtures.
 2. Final Inspection: Arrange for final inspection by authorities having jurisdiction to observe tests specified below and to ensure compliance with requirements.
- B. Reinspection: If authorities having jurisdiction find that piping will not pass test or inspection, make required corrections and arrange for reinspection.
- C. Reports: Prepare inspection reports and have them signed by authorities having jurisdiction.

3.5 CLEANING AND PROTECTION

- A. Clean interior of piping. Remove dirt and debris as work progresses.
- B. Protect drains during remainder of construction period to avoid clogging with dirt and debris and to prevent damage from traffic and construction work.
- C. Place plugs in ends of uncompleted piping at end of day and when work stops.

3.6 PIPING SCHEDULE

- A. Aboveground, drain piping shall be the following:
 - 1. Cast Iron pipe, cast iron socket fittings, gasketed.

- B. Above Ceiling used as Return Air Plenum, waste and vent piping shall be the following:
 - 1. Cast Iron pipe, cast iron socket fittings, gasketed.

END OF SECTION

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SECTION 26 00 00 – GENERAL ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

1.1 CONTRACTOR'S UNDERSTANDING

- A. Contractors bidding work under this Contract shall read and understand Division Zero and Division 1 - General Requirements. If any discrepancies are discovered between the Basic Electrical Materials and Methods and General Requirements, the above-mentioned documents shall overrule this section. The Basic Electrical Materials and Methods are intended as a supplement to the above-mentioned documents.
- B. The Contractor shall bid as outlined in the above-mentioned Specifications and shall be governed by any alternates or unit prices called for in the form of proposal.
- C. Each Contractor bidding on the work included in these Specifications shall view the building site and carefully examine the contract Drawings and Specifications, so that he/she may fully understand what is to be done, and to document existing conditions.

1.2 SCOPE OF WORK

- A. Work included in this section of the Specifications includes the furnishing of all labor, material, tools, approvals, utility connection fees, excavation, backfill, and other equipment and services necessary to install the electrical system as shown on the Contract Drawings and as specified herein.
- B. It also includes the connection of all equipment included in this Contract but furnished by other contractors or suppliers.
- C. The Contractor shall furnish and install all conduit, wire, safety switches and miscellaneous material to make all electrical connections to all items of equipment or wiring devices except as otherwise specified.
- D. Equipment connections shall be made with flexible or rigid conduit as required. Controllers for motors, safety switches, and all control, protective and signal devices for motor circuits, except where such apparatus is furnished mounted and connected integrally with the motor driven equipment, shall be installed, connected and left in operating condition. The number and size of conductors between motors and control or protective apparatus shall be as required to obtain the operation described in these Specifications, and/or by the Contract Documents, and/or as shown in manufacturer furnished Engineer reviewed Shop Drawings.
- E. All devices and items of electrical equipment, including those shown on the Contract Drawings but not specifically mentioned in the Specifications or those mentioned in the

Specifications but not shown on the Contract Drawings, are to be furnished under this section of the Specifications. Any such device or item of equipment, if not defined in quality, shall be equal to similar equipment and/or devices specified herein.

- F. All devices and items of equipment mentioned in this section of the Specifications whether electrical or not or whether furnished under this or other Division of the Specifications, shall be installed under this Division of the Specifications, unless specifically indicated otherwise.
- G. Where wiring diagrams are not shown on the Contract Drawings, they are to be provided by the supplier of the equipment served and such diagrams shall be adhered to except as herein modified.
- H. All raceways and wiring shall be firestopped where required by code, as indicated in the Contract Drawings, and as specified in Division 07.

1.3 SHOP DRAWINGS, DESCRIPTIVE LITERATURE, INSTALLATION, OPERATION AND MAINTENANCE INFORMATION

- A. Shop Drawings including descriptive literature and/or installation, operation and maintenance instructions shall be submitted in the amount of copies indicated in the General Conditions.
- B. Shop Drawings shall be clearly marked and highlighted as to which product, type, option, etc. is being submitted. Non-applicable catalog data shall be marked out. Product literature with one or more styles / configurations for a single product shall have a written description of use for each of the styles / configurations represented on the literature. For example: Device boxes – Styles shall be listed as: For masonry walls, for electrical devices, for ceiling mounted light fixtures, etc.
- C. Shop Drawings shall be submitted on the materials listed in individual sections.
- D. The Engineer reserves the right to make modifications to motor control and power distribution equipment ratings after Shop Drawing review if the motor control and power distribution Shop Drawings are submitted prematurely (prematurely meaning submitted before all utilization equipment has been reviewed and accepted). Cost of modifications shall be the Contractor's responsibility.
- E. Submit for each Section individually. No combined files will be accepted.
- F. Incomplete submittals will be rejected. For example, if a section calls for layout drawings and product data, these items shall be submitted together and at the same time, or they will be rejected.
- G. Three sets of O&M instructions and manuals shall be submitted in loose-leaf 3-ring cardboard reinforced vinyl binders to the Engineer in accordance with the General Conditions.

- H. Contained in each binder shall also be vendors, warranty information, vendor phone numbers, list of materials, and materials parts list.
- I. O & M Manuals shall be available to the Owner prior to equipment training.
- J. General and Supplemental General Conditions shall supersede this paragraph where conflicts occur.
- K. O & M manuals shall be submitted on CD disk in PDF format along with the required paper copies.

1.4 SYMBOLS AND ABBREVIATIONS

- A. The symbols and abbreviations generally follow standard electrical and architectural practice; however, exceptions to this shall be as shown on the Contract Drawings.

1.5 COORDINATION WITH OTHER TRADES

- A. The Contractor shall coordinate the electrical work with that of other trades to ensure proper final location of all electrical equipment and/or connections. The Contractor shall verify door swings to see that light switches are located properly.

1.6 CODES

- A. The minimum standard for all work shall be the latest revision of the Kentucky Building Code (KBC) and the National Electrical Code (NEC). Whenever and wherever state and/or local laws or ordinances and/or regulations and/or the Engineer's design require a higher standard than the current NEC or KBC, then these laws and/or regulations and/or the design shall be followed.

1.7 INSPECTIONS AND PERMITS

- A. Inspection of the electrical system on all construction projects is required. If the local government has appointed a state-licensed inspector, the Contractor shall be required to use that person to perform the inspections. If a locally mandated inspector does not exist, the Contractor shall select and hire a state licensed inspector, who has jurisdiction before any work is concealed. The Contractor shall notify the electrical inspector in writing, immediately upon notice to proceed, and a copy of the notice shall be submitted to the Engineer. All costs incurred by the Contractor to execute the above-mentioned requirements shall be paid by the Contractor at no extra cost to the Owner. All permits necessary for the complete electrical system shall be obtained by the Contractor from the authorities governing such work.

- B. At the time of completion of the project, there shall be furnished to the Owner a certificate of compliance, from the agency having jurisdiction pursuant to all electrical work performed. The Engineer shall also receive a photostatic copy.

1.8 STORAGE

- A. All work, equipment, and materials shall be protected against dirt, water, or other injury during the period of construction.
- B. Sensitive electrical equipment such as light fixtures, motor starters, control panels, and panelboards, delivered to the job site, shall be protected against injury or corrosion due to atmospheric conditions or physical damage by other means. Protection is interpreted to mean that equipment shall be stored under roof in a structure properly heated in cold weather and ventilated in hot weather. Provision shall be made to control the humidity in the storage area to 50 percent relative. The stored equipment shall be inspected periodically, and if it is found that the protection is inadequate, further protective measures shall be employed. Electrical equipment other than boxes and conduit shall not be installed until the structure is under roof with doors and windows installed.
- C. No light fixtures or device plates shall be hung or installed until after painting is completed; however, temporary lighting shall be provided by the Contractor.

1.9 MATERIALS

- A. All materials used shall be new and at least meet the minimum standards as established by the NEC and/or National Electrical Manufacturers Association (NEMA). All materials shall be UL listed for the application, where a listing exists. All equipment shall meet applicable FCC requirements and restrictions.
- B. The reuse of salvaged electrical equipment and/or wiring will not be permitted unless specified herein or indicated on the Contract Drawings.
- C. All salvaged or abandoned electrical materials shall become the property of the Contractor and shall be removed from the job site upon completion of the project, unless otherwise noted on the Contract Drawings or specified herein.
- D. Existing fluorescent light fixtures to be abandoned and removed this Contract, shall be assumed to be equipped with PCB filled ballasts. Light fixtures shall be disassembled and the ballast removed prior to salvage and/or disposal. Ballasts containing PCB's shall be disposed per requirements of the Toxic Substances Control Act (TSCA). Manifests shall be submitted to the Owner documenting proper transportation and disposal of PCB contaminated ballasts.

1.10 ERRORS, CORRECTIONS, AND/OR OMISSIONS

- A. Should a piece of equipment be supplied of a different size or horsepower than shown on the Contract Drawings, the Contractor shall be responsible for installing the proper size wiring, conduit, starters, circuit breakers, etc., for proper operation of that unit and the complete electrical system at no extra cost to the Owner.
- B. It is the intent of these Specifications to provide for an electrical system installation complete in every respect, to operate in the manner and under conditions as shown in these Specifications and on the Contract Drawings. The Contractor shall notify the Engineer, in writing, of any omission or error at least 8 days prior to opening of bids. In the event of the Contractor's failure to give such notice, he/she may be required to correct work and/or furnish items omitted without additional cost. Further requirements on this subject may be found in the General Requirements.
- C. Necessary changes or revisions in electrical work to meet any code or power company requirement shall be made by the Contractor without additional charge.

1.11 GUARANTEES AND WARRANTIES

- A. The Contractor shall guarantee all work including equipment, materials, and workmanship. This guarantee shall be against all defects of any of the above and shall run for a period of 1 year from the date of acceptance of the work, concurrent with the one-year guarantee period designated for the general construction contract under which electrical work is performed. Date of acceptance shall be considered to be the date on which all "punch list" items are completed ("punch list" is defined to be the written listing of work that is incomplete or deficient that must be finished or replaced/repared before the Contractor receives final payment).
- B. Repair and maintenance for the guarantee period is the responsibility of the Contractor and shall include all repairs and maintenance other than that which is considered as routine. (That is oiling, greasing, etc.) The Engineer shall be the judge of what shall be considered as routine maintenance.
- C. See General Conditions and individual equipment's specification sections for additional warranty requirements.

1.12 TESTING

- A. After the wiring system is complete, and at such time as the Engineer may direct, the Contractor shall conduct an operating test for acceptance. The equipment shall be demonstrated to operate in accordance with the requirements of these Specifications and the Contract Drawings. The test shall be performed in the presence of the Engineer or his authorized representative. The Contractor shall furnish all instruments and personnel required for the tests, as well as the necessary electrical power.
- B. Before energizing the system, the Contractor shall check all connections and set all relays for proper operation. He/she shall obtain all necessary clearances, approvals, and

instructions from the serving utility company and/or equipment manufacturers prior to placing power on the equipment.

- C. Tests may be performed by the Engineer to determine integrity of insulation on wiring circuits selected by the Engineer at random.
- D. Cost of utilities for testing done prior to beneficial occupancy by the Owner shall be borne by the Contractor.

1.13 CLEANUP

- A. Cleanup shall be completed as soon as possible after the electrical installation is complete. All light fixtures, outlets, switches, starters, motor control centers, disconnect switches and other electrical equipment shall be free of shipping tags, stickers, etc. All painted equipment shall be left free of scratches or other blemishes, such as splattered or blistered paint, etc. All light fixture diffusers shall be clean and the interior of all motor controls, etc., shall be free of dust, dirt, wire strippings, etc. Surplus material, rubbish and equipment resulting from the work shall be removed from the job site by the Contractor upon completion of the work.
- B. During construction, cover all Owner equipment and furnishings subject to damage or contamination in any way.

1.14 CUTTING AND PATCHING

- A. Cutting and patching shall be held to an absolute minimum and such work shall be done only under the direction of the Owner's representative. The Contractor shall be responsible for and shall pay for all openings that may be required in the floors or walls, and he shall be responsible for putting said surfaces back in their original condition. Every attempt shall be made to avoid cutting reinforcing steel bars when an opening is required in a reinforced concrete wall or floor slab.
- B. Prior to cutting of any floors or walls, all conduits must be located prior to the cutting through the use of sounding test equipment. Such equipment is readily available through local electrical companies and other sources. If a pipe or electrical circuit is damaged during cutting/demolition the Contractor shall repair the damaged item back to original condition. Absolutely no extras will be allowed for the replacement of damaged electrical conduits, pipes, etc. in floors walls, and ceilings that are to remain.

1.15 DEMOLITION

- A. Demolition notes on the Drawings shall be followed. All device boxes that are abandoned shall be covered with smooth device cover plates. All holes and openings left in all walls shall be patched back to match adjacent surrounding surfaces.

1.16 EXCAVATION AND BACKFILL

A. Excavation

1. Excavation for conduits shall be of sufficient width to allow for proper jointing and alignment of the type conduit used. Conduit shall be bedded on original ground. Where conduit is in solid rock, a 6-inch earth cushion must be provided. Conduit shall be laid in straight lines between pull boxes and/or structures unless otherwise noted on the Contract Drawings. The cost of solid rock excavation shall be included in the lump sum bid with no extra pay allowed (unclassified).

B. Backfill

1. Backfill shall be hand placed, loose granular earth for a height of 6 inches above the top of the largest conduit. This material shall be free of rocks over ½ inches in diameter. Above this, large rocks may be included but must be mixed with sufficient earth to fill all voids.

1.17 SLEEVES, CHASES AND OPENINGS

- A. Sleeves shall be required at all points where exposed conduits pass through new concrete walls, slabs, or masonry walls. Sleeves that must be installed below grade or where subject to high water conditions must be installed watertight.
- B. Wiring chases shall be provided where shown on the Contract Drawings. The Contractor shall have the option of installing chases below surface mounted panelboards provided all structural requirements are met.
- C. It is the Contractor's responsibility to leave openings to allow installation of the complete, operational electrical system. Openings required but not left shall be cut as outlined under cutting and patching. The Contractor shall coordinate all holes and other openings with necessary diameters for proper firestopping.

1.18 POWER COMPANY COORDINATION

- A. The Contractor is responsible for coordinating all activities onsite by the power company.
- B. All power company metering equipment shall be electrically located "upstream" of any manual/automatic transfer equipment on projects requiring onsite emergency power generation equipment.
- C. Any special provisions required by the serving electrical utility shall be as outlined on the Contract Drawings or as advised by the utility at the time of construction, and work required by these special provisions shall be executed with no extra cost to the Owner.

1.19 TEMPORARY ELECTRICAL POWER

- A. The Contractor shall be responsible for providing temporary electrical power as required during the course of construction and shall remove the temporary service equipment when no longer required. Temporary power is also addressed in general and special requirements.

1.20 OVERCURRENT PROTECTION

- A. Circuit breakers or fused switches shall be the size and type as written herein and shown on the Contract Drawings. Any additional overcurrent protection required to maintain an equipment listing by an authority having jurisdiction shall be installed by the Contractor at no extra cost to the Owner.

1.21 TRAINING

- A. All manufacturers supplying equipment for this division shall provide the Owner's operations staff with training in the operation and maintenance on the equipment being furnished. The training shall be conducted at the project site by a qualified representative of the manufacturer. Refer to individual equipment specifications for training requirements.

1.22 RECORD DRAWINGS

- A. The Contractor shall maintain one (1) set of the Contract Drawings on the job in good condition for examination at all times. The Contractor's qualified representative shall enter upon these drawings, from day to day, the actual record of construction and/or alteration progress. Entries and notes shall be made in a neat and legible manner and these drawings delivered to the Engineer after completion of the construction, for use in preparation of Record Drawings.
- B. Specific attention shall be given to the exact location of any underground lines installed under this Contract. These lines shall be dimensioned to easily identifiable points on permanent structures.

1.23 MAINTAINING CONTINUOUS ELECTRICAL SYSTEM AND SERVICE

- A. Existing service(s) continuity shall be maintained at all times. In no way shall the installation and/or alteration of the electrical work interfere with or stop the normal operation of the existing facilities, except where prior arrangements have been made.

1.24 GROUNDING AND BONDING

- A. All metallic conduit, cabinets, equipment, and service shall be grounded in accordance with the latest issue of the National Electrical Code. All supporting framework and other metal or metal clad equipment or materials which are in contact with electrical conduit, cable and/or enclosures, shall be properly grounded to meet the code requirements.

1.25 CONTRACTOR LICENSING

- A. The Contractor performing the electrical work on this project shall be a licensed electrical contractor in the state of Kentucky.

1.26 ANCHORING/MOUNTING

- A. Electrical conduits and/or equipment shall be rigidly supported. Anchors used shall be metallic expansion type, or if appropriate to prevent spalling concrete, epoxy set type. Plastic or explosive type anchors are prohibited.
- B. Contractor shall provide all necessary supports in accordance with KBC Seismic requirements.

1.27 ELECTRICAL COMPONENT MOUNTING HEIGHTS

- A. Unless otherwise indicated, mounting height for components shall be as defined on the Drawings.

1.28 RECEIPTS

- A. Some sections of the Specifications call for equipment, materials, accessories, etc. to be provided and "turned over to the Owner" or like requirements. The Contractor shall obtain a receipt for each item turned over, signed by the Owner or his representative. A copy of this receipt shall be transmitted to the Engineer.
- B. When a question arises concerning whether items have been turned over to the Owner, and there is no signed receipt, it may be assumed that the items were not provided.

1.29 DEFINITIONS

- A. Furnish – Procure equipment/materials and deliver and unload at the project site.
- B. Install – Enter the equipment/materials permanently into the project and make operational.
- C. Remove – Completely remove from site and dispose of properly. Owner assumes no future liability of the item.

- D. Provide – Furnish and Install subject to discussion.
- E. NEC – National Electrical Code

1.30 HAZARDOUS LOCATIONS

- A. Electrical materials and equipment for installation in hazardous locations, as defined in the NEC and as indicated on the Drawings, shall be specifically approved by UL or FM for the particular Class, Division and Group of the location involved.

PART 2 - PRODUCTS

Not Applicable.

PART 3 - EXECUTION

Not Applicable.

END OF SECTION

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SECTION 26 05 19 – CONDUCTORS, CABLES, AND CIRCUITS

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. All wire and cable shall conform to the latest requirements of the NEC and shall meet all ASTM/UL specifications. Wire and cable shall be new; shall have size, grade of insulation, voltage rating and manufacturer's name permanently marked on the outer covering at regular intervals. Complete descriptive literature shall be submitted to the Engineer for review and acceptance prior to installation.
- B. Building wire #12 - #1 shall be applied based on a 60-degree Celsius temperature rise.

1.2 SUBMITTALS

- A. Submit product data on all conductors and cables.
- B. See Section 26 00 00 for additional instructions for submittals.

1.3 DELIVERY, STORAGE AND HANDLING

- A. Wire and cable shall be suitably protected from weather and damage during storage and handling and shall be in first class condition when installed.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Building Wire (types "THWN" and "THW"-cu.) - "Southwire," "Cerrowire," "American," "Okonite," or equal.
- B. Flexible Cords and Cables (Types "SO" (600V) "SJO" - 300V) "Collyer," "American," "Carol," or equal.
- C. Control Cable (Shielded or unshielded) 600V max. - "Belden," "Eaton-Dekoron," "Okonite," or equal.

2.2 GENERAL

- A. General Building Wire

1. In general, all conductors shall be 98 percent conductive, annealed copper unless otherwise noted on the Contract Drawings.
2. Conductors shall be type THW or THWN insulation. Conductor size shall be AWG (American Wire Gauge) Standard. Minimum conductor size shall be AWG number 12 except branch circuits in excess of 75 feet from panel to first outlet not smaller than no. 10 AWG. Minimum voltage rating shall be 600 volts. Conductors for #12 and #10 may be solid or stranded. All conductors larger than #10 shall be stranded.
3. Conductors with high temperature rated insulation and special construction shall be used where required in connecting to light fixtures or appliances that have special requirements.

PART 3 - EXECUTION

3.1 INSTALLATION/APPLICATION/ERECTION

A. General

1. Conductors shall be continuous from outlet to outlet and no splices shall be made except accessible in junction or outlet boxes. Wire connectors of insulating material or solderless pressure connectors, properly taped, shall be used for all splices in wiring wherever possible.
2. Torque all circuit connections to NEC requirements.
3. Feeder conductors shall be color coded in accordance with the following schedule:

	480/227V 3 Phase	208/240V 3 Phase	120/240 Single Phase
Phase A	Brown	Black	Black
Phase B	Orange	Red	Red
Phase C	Yellow	Blue	
Neutral (Grounded)	White or Light Gray	White or Light Gray	White or Light Gray
3-Way Tracers			Blue
Grounding	Green	Green	Green

4. Conductors shall be pulled into raceways in strict accordance with manufacturer's recommendations. Use manufacturer approved pulling compound or lubricant where necessary. Do not exceed manufacturer's recommended maximum pulling tensions and sidewall pressure values.
5. Use pulling means, including fish tape, cable, rope, and basket-weave/cable grips, that will not damage cables or raceway.
6. Ample slack conductors shall be allowed at each terminal point, and pull or junction box, to permit installation with ease and without crowding.
7. All conductors terminating at terminal blocks shall be identified with numbers and/or letters identical to circuit or control identification.
8. No conductors shall be drawn into conduits until all work which may cause wire or cable damage is completed. Wire pulling shall be accomplished utilizing machinery and accessories intended for the purpose.
9. All connections and splices shall be made in accordance with conductor manufacturer's recommendations, and as written herein.
10. If the size and number of conductors in a conduit on the Drawings is not shown, then it shall be assumed to be 4 #12-3/4" C.
11. Sharing of neutral conductors is prohibited.
12. An equipment grounding conductor, sized per NEC, shall be installed in each power, signaling, or instrumentation circuit whether indicated or not.

B. Feeders

1. Wire shall be factory color coded for each phase and neutral, with green used for the ground conductor. As far as practical, all feeders shall be continuous from origin to panel termination without running splices in intermediate pull boxes.

C. Metal-Clad (MC) Cable Installation

1. The use of MC cable in walls, slabs, or to jump between rooms is prohibited.
2. MC Cable shall not be installed in the wall cavity between face brick and block.

END OF SECTION

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SECTION 26 05 29 - HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Hangers and supports for electrical equipment and systems.

1.2 PERFORMANCE REQUIREMENTS

- A. Design supports for multiple raceways capable of supporting combined weight of supported systems and its contents.
- B. Design equipment supports capable of supporting combined operating weight of supported equipment and connected systems and components.

1.3 ACTION SUBMITTALS

- A. Product Data. For steel slotted support systems.

1.4 QUALITY ASSURANCE

- A. Comply with NFPA 70.

PART 2 - PRODUCTS

2.1 SUPPORT, ANCHORAGE, AND ATTACHMENT COMPONENTS

- A. Steel Slotted Support systems: Comply with MFMA-4, factory-fabricated components for field assembly.

1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

- a. Allied Tube & Conduit.
- b. Cooper B-Line, Inc.; a division of Cooper Industries.
- c. ERICO International Corporation.
- d. GS Metals Corp.
- e. Thomas & Betts Corporation.

f. Unistrut; Tyco International, Ltd.

2. Metallic Coatings: Hot-dip galvanized after fabrication and applied according to MFMA-4.
 3. Nonmetallic Coatings: Manufacturer's standard PVC, polyurethane, or polyester coating applied according to MFMA-4.
 4. Painted Coatings: Manufacturer's standard painted coating applied according to MFMA-4.
 5. Channel Dimensions: Selected for applicable load criteria.
- B. Raceway and Cable Supports: As described in NECA and NECA 101.
- C. Conduit and Cable Support Devices: Steel hangers, clamps, and associated fittings, designed for types and sizes of raceway or cable to be supported.
- D. Support for Conductors in Vertical Conduit: Factory-fabricated assembly consisting of threaded body and insulating wedging plug or plugs for non-armored electrical conductors or cables in riser conduits. Plugs shall have number, size, and shape of conductor gripping pieces as required to suit individual conductors or cables supported. Body shall be malleable iron.
- E. Structural Steel for Fabricated Supports and Restraints: ASTM A 36/A 36M, steel plates, shapes, and bars black and galvanized.
- F. Mounting, Anchoring, and Attachment Components: Items for fastening electrical items or their supports to building surfaces include the following:
1. Do not use drilled or powder-actuated fasteners for attaching accessory items to precast, prestressed units. Attachment to the precast plank shall be located around tendon layout and shall incorporate fasteners designed for use in hollow concrete and that do not penetrate the concrete more than 3/4" (such as drop-in anchors).
 2. Mechanical-Expansion Anchors: Insert-wedge-type, zinc-coated steel, for use in hardened Portland cement concrete with tension, shear, and pullout capacities appropriate for supported loads and building materials in which used.
 - a. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - b. Subject to compliance with requirements, provide products by one of the following:
 - 1) Cooper B-Line, Inc.; a division of Cooper Industries.
 - 2) Empire Tool and Manufacturing Co., Inc.
 - 3) Hilti Inc.
 - 4) ITW Ramset/Red Head; a division of Illinois Tool Works, Inc.

3. Concrete Inserts: Steel or malleable-iron, slotted support system units similar to MSS Type 18; complying with MFMA-4 or MSS SP-58.
4. Clamps for Attachment to Steel Structural Elements: MSS SP-58, type suitable for attached structural element.
5. Through Bolts: Structural type, hex head, and high strength. Comply with ASTM A 325.
6. Toggle Bolts: All-steel springhead type.
7. Hanger Rods: Threaded steel.

2.2 FABRICATED METAL EQUIPMENT SUPPORT ASSEMBLIES

- A. Description: Welded or bolted, structural-steel shapes, shop or field fabricated to fit dimensions of supported equipment.
- B. Materials: Comply with requirements in Section 055000 "Metal Fabrications" for steel shapes and plates.

2.3 PENETRATIONS THROUGH FLOORS

- A. Contractor shall coordinate penetration requirements with structural engineer and structural manufacturers. Trade contractors shall coordinate and mark all penetrations larger than 12 inches in diameter/square through precast concrete plank during the structural submittal process. Reinforcement of subsequent field cut opening of 12" or larger shall be the responsibility of the trade contractor requiring such opening.
- B. No penetrations larger than 12" in diameter / square shall be field cut in any structural member without approval of the engineer of record for that element. Cutting / coring of adjacent penetrations through precast plank or metal deck, perpendicular to span, shall be avoided. Adjacent penetrations which remove more than 20% of such structural element, in any given 7-foot length, are prohibited.
- C. Field cutting/coring of penetrations of any size through structural steel beams and columns, or steel bar joists is prohibited.

PART 3 - EXECUTION

3.1 APPLICATION

- A. Comply with NECA 1 and NECA 101 for application of hangers and supports for electrical equipment and systems except if requirements in this Section are stricter.
- B. Maximum Support Spacing and Minimum Hanger Rod Size for Raceway: Space supports for EMT, required by NFPA 70. Minimum rod size shall be 1/4 inch (6 mm) in diameter.

- C. Multiple Raceways or Cables: Install trapeze-type supports fabricated with steel slotted support system, sized so capacity can be increased by at least 25percent in future without exceeding specified design load limits.
 - 1. Secure raceways and cables to these supports with two-bolt conduit clamps.
- D. Spring-steel clamps designed for supporting single conduits without bolts may be used for 1-1/2-inch (38-mm) and smaller raceways serving branch circuits and communication systems above suspended ceilings and for fastening raceways to trapeze supports.

3.2 SUPPORT INSTALLATION

- A. Comply with NECA 1 and NECA 101 for installation requirements except as specified in this Article.
- B. Raceway Support Methods: In addition to methods described in NECA 1, RMT may be supported by openings through structure members, as permitted in NFPA 70.
- C. Strength of Support Assemblies: Where not indicated, select sizes of components so strength will be adequate to carry present and future static loads within specified loading limits. Minimum static design load used for strength determination shall be weight of supported components plus 200 lb (90 kg).

3.3 INSTALLATION OF FABRICATED METAL SUPPORTS

- A. Cut, fit, and place miscellaneous metal supports accurately in location, alignment, and elevation to support and anchor electrical materials and equipment.
- B. Field Welding: Comply with AWS D1.1/D1.1M.

3.4 PAINTING

- A. Touchup: Clean field welds and abraded areas of shop paint. Paint exposed areas immediately after erecting hangers and supports. Use same materials as used for shop painting. Comply with SSPC-PA 1 requirements for touching up field-painted surfaces.
 - 1. Apply paint by brush or spray to provide minimum dry film thickness of 2.0 mils (0.05 mm).
- B. Galvanized Surfaces: Clean welds, bolted connections, and abraded areas and apply galvanizing-repair paint to comply with ASTM A 780.

END OF SECTION

SECTION 26 05 33 - RACEWAYS

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. This section of the Technical Specifications includes all raceways for accommodation of electrical conductors, communications conductors, sleeves for underground electrical installations, conduit stubs for future installations, fittings and accessories.
- B. All raceways and fittings shall be painted to match existing or surrounding surfaces except in mechanical spaces.

1.2 RELATED WORK

- A. Division 9 – Finishes

1.3 SUBMITTALS

- A. Submit product data on all raceways and accessories.
- B. See Section 26 00 00 for additional instructions for submittals.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

A. Tubular Raceways

- 1. Steel, Galvanized, Electric-Metallic-Tubing (EMT)
 - a. VAW
 - b. Triangle
 - c. Allied Tube & Conduit Corp
 - d. Wheatland Tube Co.
 - e. or equal

B. Surface Metal Raceways

- 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- a. Iso-duct
- b. Wiremold
- c. Walker
- d. MonoSystems
- e. Hubbell
- f. or equal.

C. Wireways

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- a. Square-D
- b. Hoffman
- c. or equal.

D. Raceway Fittings

1. Conduit fittings

- a. Crouse-Hinds
- b. Appleton
- c. OZ Gedney
- d. or equal.

2. Surface metal raceway fittings and fasteners shall be provided by the manufacturer of the raceway.

- E. All raceways shall be marked with the manufacturer's name or trademark as well as type of raceway and size. This marking shall appear at least once every 10 feet and shall be of sufficient durability to withstand the environment involved. All raceways shall be furnished and installed as outlined under Part 3 of this Specification.

2.2 MATERIALS

A. Electrical Metallic Tubing (EMT)

1. EMT shall be high grade steel with an exterior galvanized coating of zinc applied uniformly by the electro-galvanized process. The interior surface shall be uniformly coated with aluminum lacquer or enamel. After galvanizing, it shall be dipped in a chromic acid bath to chemically form a protective coating of zinc chromate. The conduit shall conform to UL standards and be listed as well as labeled by UL.

B. Surface Metal Raceway

1. Surface metal raceway shall be 2-piece type, base mounted with snap-on cover. Raceway installation shall be in accordance with manufacturer's instruction, using adapters and fittings specifically designed and manufactured for the raceway used. Raceway shall be painted to match surrounding wall.

C. Conduit Fittings

1. Electrical Metallic Tubing Fittings
 - a. Only material of steel or malleable iron is acceptable.
 - b. Couplings and connectors: Concrete tight and rain tight, with connectors having insulated throats. Use gland and ring compression type couplings and connectors for all conduit sizes.
 - c. Set screw indent type connectors or couplings are prohibited.
 - d. Die-cast or pressure-cast zinc-alloy fittings or fittings made of "pot metal" are prohibited.

PART 3 - EXECUTION

3.1 PREPARATION

3.2 INSTALLATION

A. Conduit

1. Surface metal raceways (SMR) shall be employed in all existing structures for wiring which must be exposed in the finished space.
2. Conduit shall not be installed in wall cavities between face brick and block. The only time this will be allowed is for serving an exterior receptacle or light fixture.
3. All conduits shall have an insulated ground wire pulled to all equipment and receptacles.
4. All raceway runs are shown diagrammatically to outline the general routing of the raceway. The installation shall be made to avoid interference with pipes, ducts, structural members or other equipment. Should structural or other interference prevent the installation of the raceways, or setting of boxes, cabinets, or the electrical equipment, as indicated in the Drawings, deviations must be approved by the Engineer, and after approval, shall be made without additional charges and shown on the Record Drawings.

5. Fire Stop: Where conduits, wireways, and other electrical raceways pass through fire partitions, fire walls, smoke partitions, or floors, install a fire stop that provides an effective barrier against the spread of fire, smoke and gases, with UL listed sealants only. Completely fill and seal clearances between raceways and openings with the fire stop material. See [Section 21 00 00] for complete fire stop requirements.
6. Assure conduit installation does not encroach into the ceiling height head room, walkways, or doorways.
7. No conduit shall be run exposed across roofs without first obtaining permission from the Engineer.
8. Conduit may be run inside concrete slabs as long as the slab is at least 6-inches thick and conduit will have at least 1 1/2-inches of cover on both sides.
9. No conduit shall be run exposed across floors.
10. Electrical conduits and/or equipment shall be rigidly supported. Anchors used shall be metallic expansion type or if appropriate to prevent spalling concrete, epoxy set type.
11. Contractor shall provide all necessary supports in accordance with KBC Seismic requirements.
12. All conduit shall be installed in a first class workmanship manner. It shall be installed in horizontal and vertical runs in such a manner as to ensure against trouble from the collection of trapped condensation and shall be arranged so as to be devoid of traps wherever possible. Special care shall be used in assuring that exposed conduit runs are parallel or perpendicular to walls, structural members, or intersections of vertical planes and ceilings. No open wiring is allowed.
13. Fittings on symmetrical bends shall be required wherever right angle turns are made in exposed work. Bends and offsets shall be avoided wherever possible, but when necessary, they shall be made with an approved conduit bending machine. All conduit joints shall be cut square, reamed smooth and drawn up tight, using couplings intended for the purpose.
14. Conduits shall be securely fastened to all sheet metal outlets, junction and pull boxes with double galvanized locknuts and insulating-grounding bushings as required by the NEC. Conduit crossings in insulating roof fill will require both conduits to be secured to the roof deck, and these crossings can only be made where the insulating fill is a minimum of 3 inches deep. Runs of exposed conduit shall be supported in accordance with the NEC using cast aluminum or malleable iron one-hole pipe straps with spacers to provide an air space behind the conduit. Stainless steel minerallaac, one-piece conduit clamps shall be acceptable where located such that building occupants are not in danger of inadvertent contact, since this type fitting has several sharp edges. In general terms, they may be

considered in areas such as on or above ceilings, or high on walls. All conduit in walls and slabs shall be securely braced, capped (wooden plugs are prohibited), and fastened to the forms to prevent dislodgement during vibration and pouring of concrete.

15. During construction, all conduit work shall be protected to prevent lodgment of dirt, plaster or trash in conduits, fittings or boxes. Conduits which have been plugged shall be entirely freed of accumulations or be replaced. All conduits in floors or below grade shall be swabbed free of debris and moisture before wires are pulled. Crushed or deformed conduit shall not be permitted.
16. All open conduit work through floor slabs shall be made watertight by grouting around conduit. Provide coating where conduit comes in contact with all concrete.
17. In certain situations, conduit expansion joints shall be required to ensure against conduit and/or cable damage due to swelling or thermal expansion and contraction. These expansion joints shall be required where required by the manufacturer or the Contract Drawings and shall be installed per manufacturer's instructions.
18. All conduit work in the finished space of each new structure shall be concealed except for conduits to lighting fixtures in buildings with precast floor slabs, or excepted as noted on the Contract Drawings.
19. All metal raceway systems shall be grounding conductive, solidly bonded throughout and grounded in accordance with NEC requirements and/or as noted on the Contract Drawings. In addition, all raceway systems shall be provided with separate grounding conductors.
20. Minimum conduit size shall be 3/4 inch.
21. Wire pulling shall be facilitated by the use of a UL approved pulling compound in pulls over 50 feet in length or where there are 2 or more 90 degree bends. Only polypropylene, nylon, or manila pulling ropes will be permitted. Standard industry recognized wire pulling equipment shall be used.

END OF SECTION

Incomplete Document
Reference Only
Not For Construction

SECTION 26 05 34 - BOXES

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. Outlet and junction boxes shall be furnished and installed where indicated on the Contract Drawings, and/or as required by the work in accordance with the NEC.

1.2 SUBMITTALS

- A. Submit product data on all boxes.
- B. See Section 26 00 00 for additional instructions for submittals.

PART 2 - PRODUCT

2.1 ACCEPTABLE MANUFACTURERS

- A. Boxes - "Queen," "Wiegmann," "Appleton," "Raco," "Bauer," "Crouse-Hinds," "Hoffman," "Rebroy Industries," "Cloud Concrete Products," "Steel City," "Carlson," "Sedco," or equal.

2.2 GENERAL

- A. All junction and/or pull boxes for dry (non-corrosive) areas shall be of code gauge sheet metal construction, of the inside dimensions as required by code, with covers.

2.3 Wall Boxes

- A. Wall Box
 - 1. Available in 2-gang or 4-gang
 - 2. Suitable for new and old work applications.
 - 3. Stamped steel back box with minimum 3 1/2" inches behind devices.
 - 4. Removable modules, storage module for active AV equipment.
 - 5. Include low profile cover and trim flange.
 - 6. Built-in tunnel and feed through capability
 - 7. Accepts standard size wall plates.
 - 8. Finished interior
 - 9. UL Listed
 - 10. Box shall be Legrand Evolution Series Wall Box, or equivalent

PART 3 - EXECUTION

3.1 INSTALLATION, APPLICATION, AND ERECTION

A. General

1. Boxes shall be installed in the locations shown on the Contract Drawings. The Contractor shall study the general building plans in relation to the space surrounding each outlet, in order that his work may fit the other work required by these Specifications. When necessary, the Contractor shall relocate devices so that when fixtures or other fittings are installed they will be symmetrically located according to room layout and will not interfere with other work or equipment.
2. All supports for outlet boxes shall be furnished and installed by the electrical trades.

B. Concealed Work

1. All outlet boxes shall be 4" x 4" standard galvanized steel type at least 1 1/2 inches deep. Exceptions shall be noted on the Contract Drawings. Provide two inch single plaster ring for single devices in all CMU walls.
2. Standard deep type outlet boxes (concrete rings with appropriate covers) shall be used in floor slab construction so concealed conduits entering sides of boxes can clear reinforcing rods.

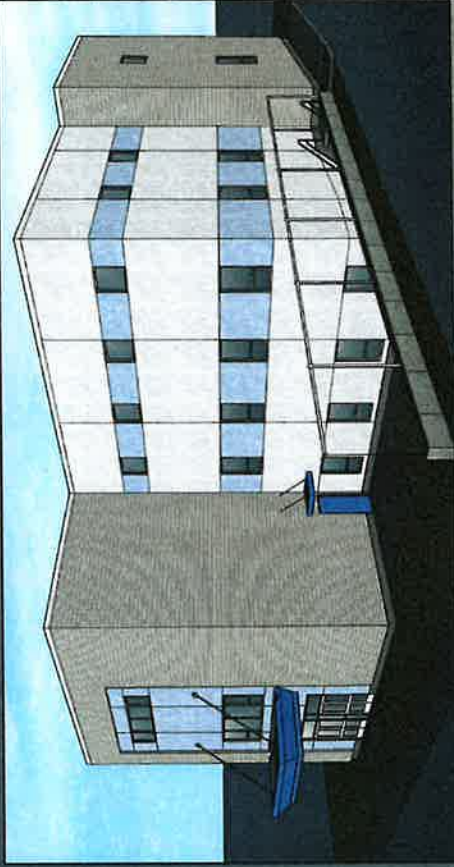
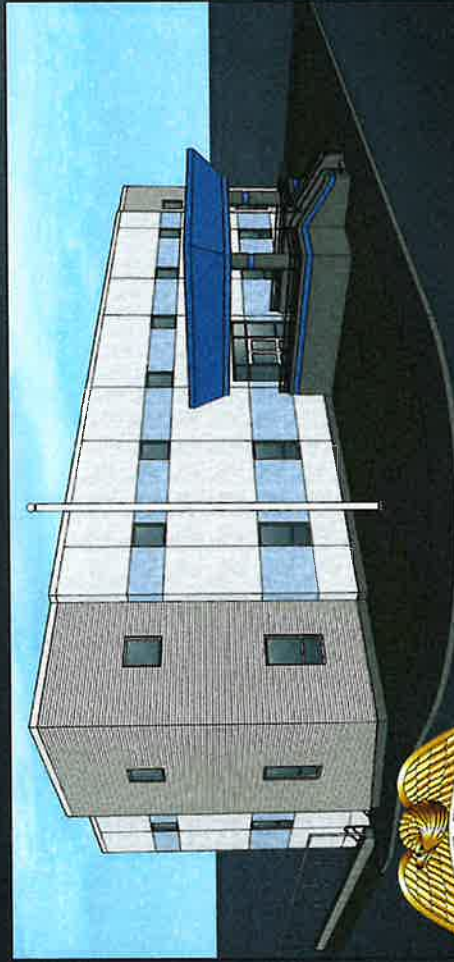
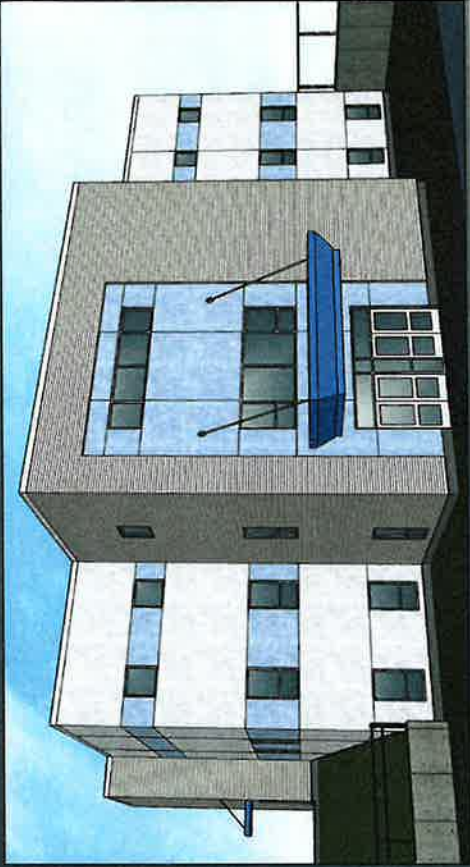
C. Interior Pull Boxes

1. Interior pull boxes are not shown but shall be used as needed. Pull box types are as follows:
 - a. Interior pull boxes in dry areas shall be of code gauge steel of not less than the minimum required by the NEC and shall be provided with hinged covers.

D. Openings in Electrical Boxes

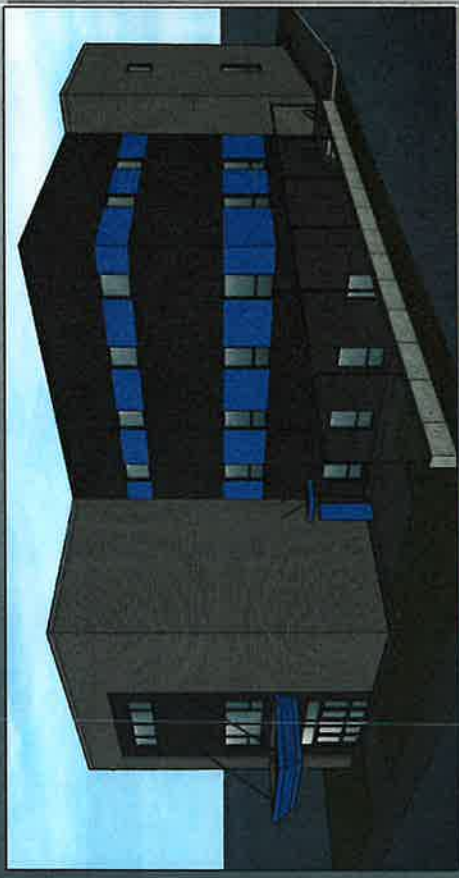
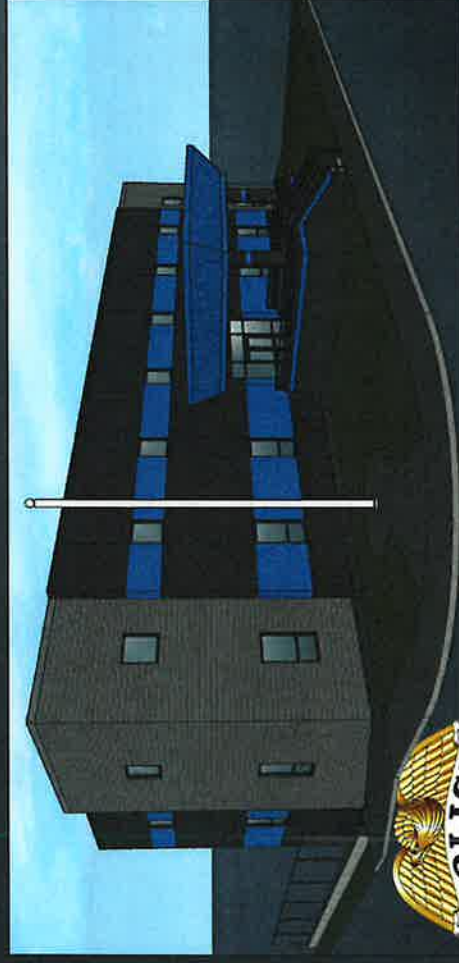
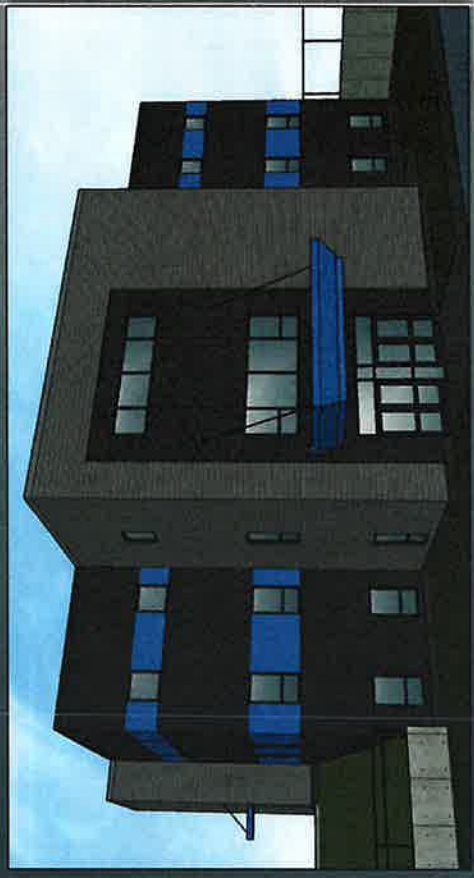
1. All openings in electrical equipment, enclosures, cabinets, outlet and junction boxes shall be by means of welded bosses, standard knockouts, or shall be sawed, drilled, or punched with tools specially made for the purpose. The use of a cutting torch is prohibited. Unused openings shall be plugged per the NEC.

END OF SECTION

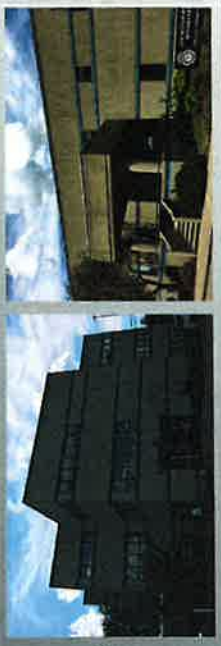


Police West Roll Call Envelope Improvements





Police West Roll Call Envelope Improvements



Police Roll Call West

RFP 27-2023 | LFUCG | 200 East Main Street | Lexington, KY 40507



TATE HILL JACOBS
architects

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TATE HILL JACOBS *architects*

Tate Hill Jacobs Architects would like to express our interest in providing architectural and engineering design services to the Lexington-Fayette Urban County Government for the Police Roll Call West envelope improvements (RFP #27-2023). We are WBE-Certified, one of the first women-owned architectural firms in Kentucky, and a small business in operation for almost 50 years specializing in collaborative, owner-focused project delivery.

For your project, we are teaming with N3D, an MEP firm involved in the feasibility study for this building and currently teaming with us on a project for the KY Department of Justice at Blackburn Correctional Complex. We value collaboration and expert input from a select team of vendors (windows, hardware + metal panel systems), engineers (Poage + SDG), and consultants (3rd party estimating). As a local firm with a deep history of projects with LFUCG, we are familiar with LFUCG requirements and procedures and are very familiar with the building at Police Roll Call West.

In that regard, "I just want to say one word - Plastics. There's a great future in plastics" ...just not as an exterior building material. In the early 90s (when a Dozen Eggs cost 85 cents) polystyrene-based Exterior Insulation and Finishing Systems (EFIS) seemed to hold so much promise. Fast forward 30 years and a few lawsuits later, and EFIS has fallen out of favor as the surface is easily penetrable but not drainable, allowing moisture that gained access to the wall cavity to remain trapped inside the wall cavity.

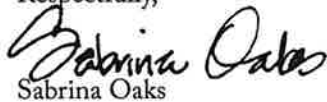
Tate Hill Jacobs follows advances in building envelope technology carefully, electing to design structures with hardy and energy efficient envelopes that provide clients with buildings that are robust, energy efficient and easy to maintain. One such structure is Frederick Douglass High School (FDHS), the most energy efficient high school in the United States (2017). This project was so successful for Fayette County Public Schools (FCPS) that the cost savings lead them to award our firm the construction of the new Tates Creek High School, expected soon to bump Frederick Douglass from national prominence for its energy efficiency.

Like your project, FDHS was designed to be solar ready. Site orientation, structure, roof design and slope and proposed locations for power conversion were carefully examined and woven into the base design of the school. When photovoltaic costs are within reach, FDHS will be ready.

At Tate Hill Jacobs, exceptional building performance, achieved through cost-effective approaches, is fundamental to each and every one of our designs. We pride ourselves on well-integrated building systems and efficient building envelopes so that money typically spent on energy consumption may be retained in your operating budget. As an example, we assisted Berea Independent Schools with building envelope improvements which, along with culture changes within the school, allowed them to enjoy a 21% decrease in utility costs the year following project completion, resulting in a savings of \$71k dollars. Similarly, Renovation work for Southside Elementary School, with an energy use reduction of nearly 25%, netted serious savings for the school district and the tax payers of Woodford County.

As a firm dedicated to client satisfaction and robust high-performance buildings, we would love the opportunity to bring our propensity for project success to the service of your project.

Respectfully,



Sabrina Oaks

Principal, AIA, NCARB, LEED AP

Tate Hill Jacobs Architects, Inc.

446 East Main Street - Suite 250 - Lexington, Ky 40507

PH: 859.252.5994

TATE HILL JACOBS
architects

446 E. High Street, Suite 250, Lexington, KY 40507
(This is the location where work will be performed.)



AIA
Distinguished Firm &
Honor Award Recipient

Key Management:

Sabrina Oaks, Principal; Katrina Littrell, Principal; and Margaret Jacobs, Principal Emeritus. Overall, THJA employs three registered architects, two graduate interns, one architectural technician, and one office support staff.

Overview

Rich in History

Tate Hill Jacobs Architects, Inc. (THJA) is a full-service architectural design firm located in the heart of downtown Lexington, KY. We have completed projects in multiple states and numerous counties across the Commonwealth of Kentucky.

Over almost 50 years of continuous service, Tate Hill Jacobs Architects, a WBE Certified firm, has served clients with projects in educational, correctional, public, commercial, and residential sectors.

Dedicated to Design Excellence

Tate Hill Jacobs Architects places emphasis on the investment of good design with solutions that integrate building design with site-specific program requirements.

Although our designs are philosophically rooted in this century, we are also distinguished for design excellence in renovation of historic and adaptive reuse properties with major new 21st-century additions. This design philosophy allows us to understand the importance of context for new buildings, to integrate within a “community of buildings” while honoring the history and the future.

As a firm we have received awards for excellence in architectural and interior design, including the AIA Distinguished Firm Award, an AIA Honor Award and the Brick in Architecture Award.

Committed to Careful Contract Administration

Our core personnel includes three registered architects, two graduate interns and one architectural

technician, as well as support staff. We are committed to design excellence, thorough production of construction documents and careful administration of the construction contract.

One or more of the firm principals is associated with every project in order to enhance the skills and resources available to each client. Project management is supervised by one of the principals, a policy that has resulted in a history of completed projects free from arbitration or litigation.

Collaboration

We are strong facilitators of the collaborative process. We believe that providing opportunities for many voices to be involved gives greater assurance that the design work will be responsive to the presently understood program as well as to future evolutions. New design should be compatible with the existing context while inventively expressing new ideas and opportunities.

Community-Building

THJA characterizes our work as Community-Building. The integration of community and the built environment are at the core of our approach to architecture design. Sustainability of our natural resources, energy efficiency and positive environmental and social impacts on the user’s community inform our design work.

Focusing on Sustainability

The natural environment provides a superb model of systems integration showing sustainability at its



fullest. By looking at each project within its unique geographical context and working in collaboration with owner, end users, and full design team, the site and building can develop richly in response to natural elements and human requirements. Sustainability is not a separate consideration, but is core to design considerations and process.

Uniquely Challenging

We approach each project as a distinct challenge. It is intentional that as a firm we do not have a signature design style. Instead, we gather the myriad considerations for the individual project in order to identify and define the best design responses for that project, client, and site. Our clients work closely with us to discover the best opportunities and design options – program / spatial relationships, appropriate materials, building “teaching tools”, and the visual dynamics of expressing the building volumes themselves.

Lasting Partnerships

Tate Hill Jacobs Architects builds long-lasting relationships through our emphasis on collaboration, innovation, sustainability, and cost-effective and constructible design solutions. We believe our firm policy requiring that one or more principals is associated with each project contributes to the success of our strong, continuous relationships with all members of the project team, including the owner representative(s), design professionals, and contractors.

Tracking Client Satisfaction

We schedule end of Phase meetings to review progress during the project and Post Construction meetings to review the overall project successes and lessons learned. We review previous change orders to understand where we can improve our documents for future projects. We encourage open, on-going communication so our clients may voice concerns direct to the Principal-in-charge as we progress through their projects. We are interested in establishing long-term relationships with our clients, not just being present for their high-profile projects. Repeat clients over many years and numerous projects confirm that we are doing much right on their projects. Fayette County Public Schools has selected our firm for more than 35 projects over 27 years, the most of any design firm with which they have worked.

Training Program*

The crux of the quest for continual evaluation and improvement is the ability to expand knowledge and apply it effectively. At Tate Hill Jacobs, **Continuing Education** programs follow not only the typical in-house vendor lunch-and-learn format, but also encompass attendance at seminars ranging from structural design to building maintenance to the legislative process of architecture. Staff attendance is supported and encouraged via an employee reimbursement program and has resulted in a composite body of knowledge with staff sitting on a number of boards and participating in a variety of speaking engagements ranging from the American Society of Heating and Air Conditioning Engineers conferences to historic preservation.

Quality Control Program*

Refer to WORK PLAN description on page 18 for a summary.

* Full Training & Quality Control Programs available upon request.



Main Office
1204 Winchester Road
Lexington, KY 40515
Ph. 859-303-5708
www.n3dgroup.com

Somerset Office
3150 HW 2227
Somerset, KY 42503
Ph. 859-219-6369
KY Permit # 3799



Firm Description:

Founded in 2013, N3D Group is a consulting engineering design firm with headquarters in Lexington, KY. Our firm was created with experienced professionals offering disciplines in Electrical Engineering, Mechanical Engineering, Plumbing Design, and Fire Protection Engineering. Specific areas of experience include classroom buildings for collegiate and K-12 facilities, sports facility design, theatrical sound and dimming systems, data communications systems, video surveillance systems, fire alarm and electrical systems design. HVAC systems for buildings include geothermal, VRF, variable primary flow and heat recovery chillers, boilers, hybrid energy efficient systems. Fire Protection Engineering offers code review life safety evaluations, fire suppression systems including wet, dry, fire pump and water storage. We have licenses in multiple states – KY, WV, OH, TN, SC, NC, AL, NV, PA, IN. N3D currently has three licensed mechanical engineers and two licensed electrical engineers.

In 2022 N3D Group opened an office in Somerset, KY that is staffed by full time electrical and mechanical engineers.

John A. Newman, P.E., Founder – jnewman@n3dgroup.com, cell 859.806.7070, PE # 16925 KY
John A. Newman is responsible for managing the firm's operations and has 34 years' experience designing electrical and mechanical systems. John will be the Engineering point of contact for this project. He will perform electrical and fire alarm engineering on this project.

Megan Nieman, P.E., Member – mnieman@n3dgroup.com, cell 859.338.4722, PE # 25351 KY
Megan Nieman is Chief Mechanical Engineer for the firm. Megan designs HVAC systems consisting of geothermal, central boiler/chiller plant, VRF, energy recover systems. Megan also serves as Project Manager for MEP projects both as prime and sub consultant to Architects.

David Daukas, Principal – ddaukas@n3dgroup.com, cell 859.948.3395
David Daukas is an electrical designer with an emphasis on lighting design. David performed sports lighting, site lighting, and models interior lighting layouts using custom modeling of actual fixtures being specified. David serves at lead project manager for many electrical renovation projects. David will design all exterior lighting on this project.

Aaron Hall, P.E., Electrical, Director of Somerset KY Office – ahall@n3dgroup.com, cell 859.291.6369
Aaron Hall is electrical engineer and engineer of responsible charge for the Somerset KY Office. Aaron designs power distribution systems, AV and data systems, and fire alarm systems. Aaron also serves as project manager for design build and design bid projects.

Project Team



TATE HILL JACOBS
architects

Sabrina Oaks, AIA, NCARB, LEED AP
Principal-in-Charge, Project Manager

EDUCATION

University of Kentucky
B.A. in Architecture, 1999

PROFESSIONAL REGISTRATIONS

- Architecture – KY #6228, NC #13905
- NCARB [National Council of Architectural Registration Boards]
- LEED AP [Leadership in Energy & Environmental Design Accredited Professional]

PROFESSIONAL EXPERIENCE

- **THJA**
Lexington, KY
Principal
2016-Current
Architect / Project Manager
2013-2015
- **Gray Construction**
Lexington, KY
Design Manager / Project Architect
2008-2013
Asst. Design Manager/
Associate Architect
2003-2008
- **Mason Hanger Group**
Lexington, KY
2001-2003

PROFESSIONAL AFFILIATION

- AIA [American Institute of Architects]
- USGBC [US Green Building Council]

A native of Jackson, Kentucky, Sabrina received her professional degree in Architecture from the University of Kentucky in 1999. Sabrina joined THJA in 2013, becoming Principal in January of 2016. Prior to this, Sabrina distinguished herself as a valuable design manager and project architect at Gray in Lexington, KY.

During her tenure at Gray, Ms. Oaks worked on a variety of industrial and manufacturing projects in various locations across the continental United States. These projects often involved unique design and building code requirements related to complex owner programming, process analysis, and equipment requirements.

Since joining THJA ten years ago, Sabrina's breadth of experience has only grown. She has worked on a wide range of projects at Tate Hill Jacobs, from feasibility studies for the University of Kentucky to renovation projects for Big Ass Solutions to both renovation and new construction projects for Fayette County Public Schools (Jessie Clark Middle School, Frederick Douglass High School, and Tates Creek High School) and Breathitt County Schools (Sebastian Elementary and their New Elementary School).

These varied projects and the design-build experience have molded Sabrina into a design professional who is an excellent communicator, as comfortable leading a conversation with a client as she is working with a contractor in the field. She takes a hands-on approach throughout all phases of design, believing this is the secret ingredient to the recipe for success that has become a trademark of Tate Hill Jacobs Architects.

RELATED EXPERIENCE:

- Tates Creek High School | Fayette County Public Schools | Lexington, KY
- Jessie Clark Middle School | Fayette County Public Schools | Lexington, KY
- Berea HVAC + Addition | Berea Independent Schools | Berea, KY
- Fairce O. Woods Coliseum | Breathitt County Schools | Jackson, KY



John A. Newman, P.E., F.P.E., Founder

Role for this project – Mechanical Engineer



John A. Newman, P.E., founder of the company and serves as project manager and design engineer on projects. John is licensed in Electrical and Mechanical Engineering and was the first Professional Fire Protection Engineer in the state of Kentucky.

Many of John’s clients include State of Kentucky agencies consisting of; KCTCS, Workforce Development, Military Affairs, Department of Parks, Secretary of State, and many state universities. Mr. Newman has served on teams for United States Corps of Engineers, GSA, National Guard, United States Department of Corrections, Air Force, and was a team member of the Air Force Academy’s General Plan Team. Mr. Newman’s combined military, fire protection, and DECA design experience makes him an ideal Engineering Project Manager for this project. In the past 36 years Mr. Newman has designed over 500 projects.

Education:

Bachelor of Science in Electrical Engineering – University of Kentucky
Value Engineering Training

Registrations:

P.E. Electrical, Mechanical, Fire Protection – KY #16925
P.E. Licenses – SC, OH, TN, NV, PA, WV

Professional Affiliations:

ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers) Past Chapter President 2002-2003
NSPE (National Society of Professional Engineers)
NFPA (National Fire Protection Association)
SFPE (Society of Fire Protection Engineers)

Relative Project Experience:

Big Sandy CTC Advanced Technology Center

Mr. Newman served as electrical engineer for this building whose primary purpose is to train personnel on fiber optic technologies. This was the first fiber to desk building constructed in the eastern United States and is located in downtown Pikeville, KY.

Ashland Community & Technical College – Main Campus

MEP Project Manager – Designed major renovation / replacement of existing HVAC System, Lighting, Technology Systems and Fire Protection. This 125,000 Square foot facility contains teaching classrooms, college administration, bookstore, restaurant area, and college presidential suite, financial services, nursing programs, science labs and testing labs. Project had phased construction over 18 months.

Logan County Area Technology Center, Russellville KY

John designed electrical systems that included CNC and machine tool training facilities. Nursing center with operational nurse call and headboard systems. Project includes enhanced video and sound systems for large flexible auditorium that includes monitors on walls including a video wall.

Emergency Operations Center, Frankfort, KY

Designed electrical and HVAC system replacement for this phased construction project. One floor at a time was renovated with new HVAC, ceilings, lighting, data, and fire alarm systems.



David D. Daukas *Principal*

Project Assignment – Lighting Design, Electrical Design



David is a Principal for N3D Group and serves as electrical and lighting designer. He specializes in lighting systems for building systems sports, theatrical and dimming lighting systems. David also plays an instrumental role for providing lighting coordination with interior designers and visualization artists by providing the benefits of photometric and rendering software to achieve efficient lighting levels.

David has designed also numerous fire alarm systems, power distribution systems, security systems, access control, communication wiring systems to provide a detailed facility electrical system.

David is also efficient with facility planning and facility system lifecycle costs and evaluations.

David's work for a cutting-edge lighting project can be viewed via U Tube <https://youtu.be/tNbEWCQpE2w>

Education:

AS, Architectural Technology –
University of Kentucky

Continuing Education:

AutoCAD / Revit

Dimming and Lighting Control
Systems

Sports Lighting

Architectural and Theatrical Lighting
Systems

Professional Affiliations:

Illuminating Engineering Society
(IES)

Relative Project Experience:

Ashland Community & Technical College – Main Campus

Designed lighting and electrical systems for this large renovation of existing multiuse building. David photometrically calculates every lighting application and works closely with interior designers to arrive at a custom lighting layout for every space. We were teamed with Alt 32 for this project.

Magoffin County CTE

Designed custom lighting layouts for this building that has exposed high bay lighting in shop spaces. Existing campus lighting has to be redesigned for this addition that included lighting of exterior egress pathways and teaching areas.

Sports Field Lighting Projects

- Pulaski County High School Football and Baseball Fields
- Somerset High School Soccer Field
- Robertson County Baseball Field and Softball Fields
- Bremen Baseball and Softball Fields
- Lexington Catholic Athletic Facilities

Theatrical Lighting Projects

- The Virginia Professional Venue Theatre – Somerset KY
- Goodnight Auditorium. Franklin KY

Recent Experience

Tates Creek High School

THJA | FAYETTE COUNTY PUBLIC SCHOOLS | LEXINGTON, KY



The new Tate's Creek High School of approximately 350,000 SF showcases the small learning communities of the school's career academies along with incorporating community-based programs.

The school models sustainability and energy efficiency with natural daylighting, all LED lighting, geo-thermal HVAC and ICF building envelope. The siting of the building presented the opportunity for overall campus improvements to benefit the high, middle, and elementary schools.

All indications point to this school surpassing the energy targets achieved by our prior project with FCPS, Frederick Douglass High School, which in 2017 was the most energy efficient high school in the United States.

Construction Cost: \$73.0 million

Status: Complete [2022]

Owner's Representative:

Melinda Joseph-Dezarn, District Architect
Fayette County Public Schools
120 Walton Avenue, Lexington, KY 40508
t 859 381 3829

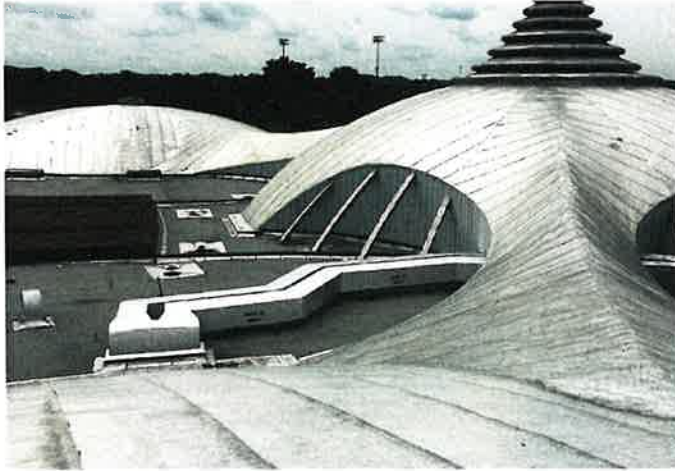
Sub-Consultants:

CMTA, Poage, & CARMAN

TATE HILL JACOBS
architects

Berea Independent HVAC + Addition

THJA | BERA INDEPENDENT SCHOOLS | BERA, KY



Tate Hill Jacobs Architects has worked with Berea Independent Schools for over two decades. This project involved work at the elementary, middle, and high schools.

At the elementary school, the HVAC system was replaced with a new chiller/boiler and new make-up air system. The old rooftop HVAC equipment was demolished and the roof repaired.

The new system required that existing ceilings in a portion of the rooms be removed and reinstalled or replaced. Thermal and acoustical controls with new lighting and sprinkler renovations were installed in classrooms with extremely tall ceilings.

At the middle/high school, an infill of existing area between the middle and high school building now provides three standard classrooms as well as one Tech Ed classroom with related circulation.

Construction Cost: \$3.1 million

Status: Complete [2017]

Owner's Representative:

Dr. Diane Hatchett, Superintendent
Berea Community Schools
3 Pirate Parkway, Berea, KY 40403
t 859 986 8446

Sub-Consultants:

Shrout Tate Wilson, Poage, & CARMAN

TATE HILL JACOBS
architects

Jessie Clark Middle School

THJA | FAYETTE COUNTY PUBLIC SCHOOLS | LEXINGTON, KENTUCKY



NEW ENTRANCE



ORIGINAL ENTRANCE

Construction Cost: \$18.6 million

Status: Complete [2015]

Owner's Representative:

Melinda Joseph-Dezarn, District Architect

Fayette County Public Schools

120 Walton Avenue

Lexington, KY 40508

t 859 381 3829

Sub-Consultants:

CMTA, Poage, & CARMAN

This upgrade of the aging Jessie Clark Middle School completely renovated the facility to serve Fayette County students. Approximately 30,000 sf of new construction was added to the existing 97,000 sf school. The addition included a 21st century administration suite as well as band, chorus and art room areas.

The very nature of the design approach with its extensive phasing incorporated HVAC, power upgrades, and service entrance strategies to allow the extensive infrastructure upgrades to occur in a sequenced manner while not disrupting the ongoing classroom work. The same was true for telecommunications systems as well as the essential building-wide communications systems such that safety and education were not compromised.

The existing school had interior classrooms with no views or daylight. The remodeled section of the building now takes advantage of the sun and views by utilizing new clerestories in the interior classroom areas.

The building was originally served by a gas-fired two-pipe boiler, air cooled chiller system. With some strategic phas-

ing and consolidating, the team was able to recapture almost 800 square feet of mechanical space that is now being used as teacher support space.

Each classroom is heated and cooled by a ceiling mounted Variable Refrigerant Flow cassette allowing individual temperature control in each space. The bottom of the roof structure is at 9'-2" so the low profile units are uniquely designed to fit in this limited space. Multiple indoor units are served by a single condensing unit that allows simultaneous heating and cooling for classrooms. Having multiple indoor units on a single outdoor unit allows a complete system to be installed to suit the intricate phasing required to keep the school in session during the renovation.

TATE HILL JACOBS
architects

Fairce O. Woods Coliseum

BREATHITT COUNTY SCHOOLS | JACKSON, KY



On Sunday, May 3, 2020 a fire broke out at the rear of the Fairce O. Woods Coliseum in Jackson, Kentucky. Superintendent Watts helped fire fighters gain access to the building and reported seeing flames spreading quickly around the lower interior edge of the dome. Fortunately, the fire was extinguished quickly, but the water used to stop the spread also caused extensive damage.

Tate Hill Jacobs was hired to conduct an investigation into the extent of the damage to the Coliseum. Working with structural and mechanical engineers, the building was assessed and a Building Emergency Observation Report prepared outlining the required scope of work for the restoration of the facility. Construction Documents for the repairs and a budget of estimated costs assisted with the resolution of the settlement as well as the negotiation of the scope of work with the contractor.

The building, built in the late 1960s, is a free-span wood truss structure with structural wood tongue and groove roof deck. The structure is well loved by the community not only for its architectural beauty, but also the generations of

Construction Cost: \$1.8 million

Status: Complete [2021]

Owner's Representative:

Phillip Watts, Superintendent
Breathitt County Schools
420 Court Street, P.O. Box 750
Jackson, KY 41339
t 606 666 2491

Sub-Consultants:

Shrout Tate Wilson, Poage, & CARMAN

students who have studied, attended social or athletic functions, or graduated under its majestic dome.

THJA continues our work at Breathitt Coliseum with additional projects upgrading HVAC systems, replacing the exterior windows, and providing emergency repair services for the balcony.

TATE HILL JACOBS
architects

Manufacturing Plant & Sales Facility

THJA | CONSULTANT TO GRAY CONSTRUCTION FOR PRIVATE CLIENT | HIGH POINT, NC



Budget: Undisclosed

Status: Complete [2020]

Owner's Representative:

Chris Crovo, Gray Construction
10 Quality Street | Lexington, KY 40507
t 859 244 9836

Recently completed for a private client in North Carolina is a 86,000 sf facility dedicated to the design, sales and manufacturing of specialized equipment to serve manufacturing clients. Clients are invited to the facility to express their needs for process equipment while process engineers design and manufacture a small prototype while the client is on site.

A large exhibition area show case the latest in stamping, laser cutting and CNC equipment so that the client can watch while his prototype is being produced. Systems such as compressed air, laser cutting, welding, and stamping allow the fabrication of proto-



types. Areas dedicated to computer drafting, 3-printing and model production aid in the materialization of the proposed prototype.

This facility boasts a 2-story office area dedicated to catering to prospective clients and features a 2-story atrium, sunken lobby, 2-story interior water wall and reflecting pond, monumental stair, Japanese-influenced precision of detailing, luxurious materials including granite, marble, and wood veneers, an on-site kitchen, auditorium, and several themed meeting and dining areas.

TATE HILL JACOBS
architects

Blackburn Correctional Facility Gym

THJA | COMMONWEALTH OF KENTUCKY | DEPARTMENT OF CORRECTIONS | LEXINGTON, KY



THJA is teamed with N3D for work on this proposed 6,420 sf pre-engineered metal building currently in the design stages for the Kentucky Department of Corrections.

The building will be fully conditioned and sprinkled and will feature a half-court basketball court and ceiling hung goal. The remainder of the facility will feature library space, an arts and crafts room, a music and game room, exercise and billiard area, and a barbershop to serve inmates.

Est. Construction Cost: \$1.4 million

Status: Phase B

Owner's Representative:

Greg Schenck, Project Manager
Kentucky Finance & Admin. Cabinet
Division of Engineering
403 Wapping Street, Frankfort, KY 40601
t 502 234 0519
e greg.schenck@ky.gov

Sub-Consultants:

N3D, Yeiser Structural, and LJB Civil

TATE HILL JACOBS
architects





Police West Roll Call – Cooling Tower Replacement and HVAC Evaluation

Owner: LFUCG

Contacts: Jamshid Baradaran, Director of Facilities and Fleet Management

Phone: 859.258.3905

Email: jbaradaran.lexingky.gov

Building Area: 17,000 SF

Construction Cost: \$ 155,000.00

Project Status: Ready for Bid

Project Description:

Project includes the replacement of an existing evaporative cooler for the HVAC system. N3D Group also provided an HVAC evaluation report in 2021 and design for exterior lighting and MAU replacement.



Engineering Highlights:

Cooling Tower Replacement:

Design was for the replacement of an existing cooling tower for HVAC system. Existing electrical and building pumping systems were evaluated to make sure all components were properly sized. Design also included the upgrade of tower materials and replaced tradition chemical treatment with non-chemical treatment system.

HVAC Evaluation Report:

IN 2021 N3D Group performed a review of the existing building's HVAC system to create a priority of repairs needed to the system. The report recommended replacement of all heat pumps, add/delete in some areas, and add complete controls to the building. This building has been experiencing problematic HVAC for many years.

Roof and Building Exterior Renovation:

In 2021 N3D Group teamed with LFUCG in the design of new exterior envelope. N3D Group designed exterior lighting systems and roof drain system for this building. Additionally N3D Group was planning on replacing the existing 100% makeup air unit so it would have energy recovery wheel for energy savings. This project was not completed.



Emergency Operations Center HVAC

Boone Center – Frankfort, KY

Owner: Kentucky Finance Cabinet - DECA
User Agency: Military Affairs
Contacts: David Marshall
Phone: 502.782.0311
Email: david.marshall@ky.gov
Building Area: 20,000 SF
Construction Cost: \$ 1,400,000
Project Status: Completed 2020



Project Description:

Replacement of existing ductwork and reheat boxes serving two 10,000 SF stories area with new system, lighting, ceilings. Facility is listed on National Historical Register and houses Kentucky's Adjutant General and staff for the Kentucky National Guard.

Engineering Highlights:

Project Approach:

Project was completed in two phases. The occupants on the upper floor were moved out completely and all ceilings and HVAC systems will be replaced, commissioned, and set into operation. Then the occupants returned to the upper floor allowing the lower floor to be renovated in the same manner. All existing ceilings were replaced with new dimension grid ceilings. During the course of construction many room finishes and walls were upgraded.

HVAC:

Each floor is served by an individual constant speed air handler. Each air handler was renovated with the addition of air blenders, access doors, and controls. Existing fans were converted to variable air volume (VAV) operation. Fans motors were modified to meet new static pressures of the new VAV system. Existing spaces were served by constant volume reheat boxes that were replaced by 77 new VAV boxes with hot water reheat. All existing hot water piping was replaced and new variable speed-controlled pumping is included in this project.

Electrical:

All lighting in building was replaced with new LED lightings and automatic lighting controls. The existing data communication system was replaced with all new MDF and IDF rooms creating an entire new data infrastructure.



Renovate Main Building

ACTC Main Campus – Ashland, KY

Owner: Kentucky Finance Cabinet - DECA

User Agency: KCTCS

Contact: David Boggess

Phone: 502.782.0313

Email: david.boggess@ky.gov

Building Area: 149,400 s.f.

Construction Cost: \$9.5 Million

Project Status: Completed 2018

Project Description:

Major renovation/replacement of existing HVAC System, Lighting, Technology Systems and Fire Protection. Facility contains teaching classrooms, college administration, bookstore, restaurant area, college presidential suite, financial services, nursing programs, science labs and testing labs.



Engineering Highlights:

Electrical / Systems:

All new data systems and equipment was installed throughout the entire building. One MDF room serving five IDF rooms were created with standalone air conditioning systems. 50% of all IT systems are served by a new 250 KW natural gas generator that will also serve elevators and perimeter heating pumps and boilers.

HVAC:

75% of this building was served by electrical reheat VAV boxes and electrical resistance perimeter heating. Converting the electrical based heating to natural gas hot water will save the Owner an estimated \$ 100,000 per year in utility bills. Project includes a phased replacement of five air handlers that serve multiple floors with new air handlers and all new HVAC ductwork, VAV boxes and Controls. The existing penthouse serving two of the air handlers will have the roof removed for new air handler installation. The new roof will be four feet higher to accommodate the new equipment. The Central HVAC plant pumps will be replaced. The existing chiller and water tower will remain and be integrated into the new control system.

UPDATE – Project is saving over \$ 100,000 per month in electric bills.

Fire Suppression:

This project will complete a fire suppression project that started 19 years ago by the same Engineer. A new fire pump and new sprinkler system for four floors will be provided to complete the building for a 100% coverage sprinkler system.

Conflict of Interest Statement

Tate Hill Jacobs Architects, Inc. has no conflicts of interest, personal or professional, in providing Design Services for the Lexington Police Roll Call West.

Approach to Project

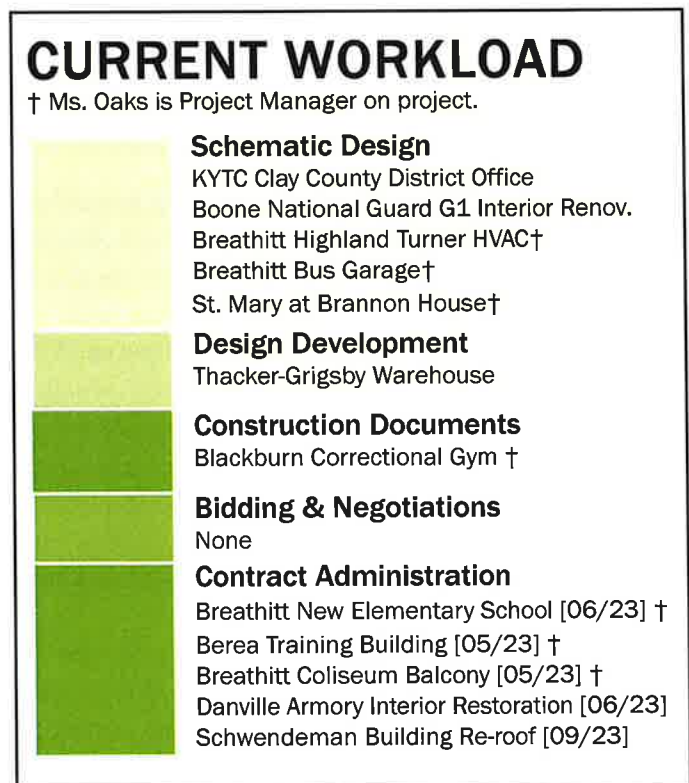
Tate Hill Jacobs approaches design projects with a focus and tenacity suitable to the task at hand. Our firm is set apart from the others by our level of collaboration and ability to document issues and communicate clearly and concisely to the team. This allows for an environment of trust and encourages input of ideas, analysis and solutions.

A building project can be stressful and is a lot of work. We want to provide the team (owner, contractor and consultants) the environment and tools required for success. Our firms' biggest proponents are contractors, who know that not only do we provide sound design and thorough construction documents, but we are the firm that will expertly manage the process. Like an iceberg, the most dangerous aspect of a design project isn't the design, but the complexity below the surface.

Ability to Meet Deadlines

We take deadlines seriously. Project schedules set the structure for project success. They allow both owner and design team the framework by which to evaluate expectations, confirm performance, and ensure the project is on track.

As shown in the attendant Current Workload Graphic, Tate Hill Jacobs has ample capacity to dedicate firm resources to the success of this project. The schedule proposed in the RFP fits well with our firm's current workload.



Work Plan

Design Schedule	JUNE				JULY					AUGUST				SEPTEMBER				OCTOBER				NOVEMBER				
	5	12	19	26	3	10	17	24	31	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27
Schematic Design - 30 days					7.11					8.8																
Kick-Off meeting + Site Investigation					7.11																					
Schematic Design																										
Design Coordination Mtg																										
Owner Review Meeting																										
Incorporate comments																										
Submit Draft of Schematic Documents																										
Owner Review Meeting (virtual?)																										
Submit Schematic Design Documents										8.8																
Owner Review and Comment										8.15																
Final Schematic Documents										8.22																
Design Development - 28 days										8.22				9.19												
Consultant design kickoff																										
System Review Mtg																										
Prelim Cost Opinion																										
Draft submission of DD Documents																										
Owner Review Mtg																										
Incorporate comments																										
Submit DD Documents														9.18												
Owner Review and Comment																										
Final Documents																										
Construction Documents - 28 days																		10.3								
Design team kickoff mtg																		10.3								
Coordination period																										
Design Coordination Mtg																										
Submittal for Plan Review																										
Final Design Work																										
Submit CD Documents																										
Owner Review and Comment																										
Final Bid Document Submittal																										

THJA has several software programs to create spreadsheets, charts, and schedules appropriate to a specific project based on scope of work, size of design team, length of schedule, specific goals to be met, agency/client guidelines, and other identified issues that can be tracked for project communications and accountability.

Explanation of Communication/Documentation and Collaboration Plan. Communication is critical to the success of any project. THJA believes the power of collective group thinking is exponentially greater than that of the individual and that communication is the key to tapping into this power. As a design team, we excel in communication facilitation through a multi-faceted approach that encompasses accurate and timely distribution of meeting minutes and a flat, non-hierarchical approach to communications, all combined with fastidious record keeping. We employ a variety of logs, checklists, and Actions Items lists that chart submittals, decisions, and outstanding tasks, assigning responsibility to individuals and fostering accountability.

Explanation of Approach That Will Be Used to Assure Quality & Well-Coordinated Documents Between All Disciplines. It has been said that the road to hell is paved with good intentions. Quality, and subsequently exposure for change orders, cannot be sacrificed in service of the well-meaning. Tate Hill Jacobs currently is collaborating with N3D on the Blackburn Correctional Gym. Team members are within close proximity, fostering and ease of collaboration and problem solving while weekly design meetings allow for fast resolution of pending issues. Full team drawing reviews are performed in anticipation of project milestone dates, with drawing review comments tracked to ensure incorporation.

Explanation of Team Quality Control Program from Design Through Construction Administration: Quality Management. At Tate Hill Jacobs Architects, this program is a two-part system designed to foster the continual evaluation of office standards and procedures. Consisting of the 1-2 punch of Continual Eval-

uation + Continuing Education, this method allows for rational and systematic analysis of opportunities for improvement and standards control, allowing the firm to respond to owner needs in an efficient and effective manner.

Sabrina Oaks, principal and registered architect with 24 years of experience, serves as our project Quality Control Coordinator. She assembles each project team, taking care to ensure that each team is suited to each project; and in the process, chooses a team whose member strengths represent the best fit to satisfy the unique needs of our clients. In her role as Quality Control Coordinator, she orients the in-house design team to the needs of the project as well as oversees cross-coordination and communication between the design professions and owner's consultants. She reviews all aspects of each project, eliminating the commonality of documents prepared by less experienced employees* and providing the highest level of project coordination.

To maintain budget and eradicate schedule delays, the Quality Control Coordinator plays a crucial role in engendering communication and understanding between all parties, during design as well as construction administration, insuring that all project issues are dealt with in a clear, concise, and timely manner.

Explanation of Team Quality Control Program from Design Through Construction Administration: Document Quality Audit Program. Beginning with peer review by management and staff whereby project documents are cross checked for compliance, coordination, and completeness, the results from these audits are then compiled in a checklist distributed to project team members for integration into the documents, the resolution of which is then reviewed with the project Quality Control Coordinator. Results from these audits are tabulated and categorized, providing a quantifiable measure by which the continual improvement of the project documents, and the firm as a whole, is achieved. These audits serve not only to highlight areas for improvement, but are used to guide the development of programs to further educate staff on changing industry standards and practices.

One such program is the 'Good Catch' program whereby team members are encouraged to document opportunities for improvement, both in the office as well as on the job site. Information is maintained in an online database available to all, discussed at each Monday morning staff meeting, and re-reviewed at 'First-Friday' gatherings whereby 'Good Catch of the Month' honors are awarded, rewarding staff for their participation in the quest for continual improvement as well as sharpening their eye for issues of concern. Recurring issues become part of 'Lessons Learned', a living document intended to highlight ongoing items of concern with topics ranging from technical drawing issues to construction administration concerns such as job site maintenance of compliance reports.

**All interns work under direct supervision of a principal, including review of all documents prior to being issued to client.*



References

Berea Independent Schools

Most Recent Completed Project: HVAC Replacement

Current Project: New Training Building

Dr. Diane Hatchett, Superintendent

3 Pirate Parkway

Berea, KY 40403

t 859 986 8446

e diane.hatchett@bera.kyschools.us



Breathitt County Schools

Most Recent Completed Project: Sebastian Elementary Re-Roof

Current Projects: New Elementary School, Coliseum Balcony +

HVAC, Highland Turner HVAC, and Bus Garage

Phillip Watts, Superintendent

420 Court Street, P.O. Box 750

Jackson, KY 41339

t 606 266 2491

e phillip.watts@breathitt.kyschools.us



Commonwealth of Kentucky

Current Project: Blackburn Correctional Gym

Greg Schenck, Project Manager

Kentucky Finance & Admin. Cabinet

Division of Engineering

403 Wapping Street, Frankfort, KY 40601

t 502 234 0519

e greg.schenck@ky.gov

Fayette County Public Schools

Most Recent Completed Project: Tates Creek High School

Melinda Joseph-Dezarn, District Architect

120 Walton Street

Lexington, KY 40502

t 859 381 3824

e melinda.josephdezarn@fayette.kyschools.us



Gray Construction

Most Recent Completed Project: Undisclosed Corporate Client

Chris Crovo

10 Quality Street

Lexington, KY 40507

t 859 244 9836

e ccrovo@grayae.com

ATTACHMENT: A
FORM OF PROPOSAL

Design Services for the West Roll Call Building Envelope and HVAC Improvements
Request for Proposal # 27-2023
Form of Proposal

Consultant: Tate Hill Jacobs Architects, Inc.

Address: 446 E. High Street, Suite 250, Lexington, KY 40507

1. General:

- a. The undersigned Consultant, having read and examined the specifications and associated documents for the above designated work, affirms agreement to complete all work in accordance with the contract documents.
- b. The selected Successful Consultant (SC) shall verify all mentioned requirements in these contract documents. The SC shall confirm in writing any discrepancies found within one week of being informed of successful proposal.
- c. The undersigned agrees that this proposal constitutes a firm offer to the LFUCG which cannot be withdrawn for one hundred twenty (120) calendar days from and after the stated closing time, or until a contract is fully executed by the LFUCG and a third party, whichever occurs earlier.
- d. The Consultant shall include Technical Information as required herein.

2. Submittal Requirements: Interested firms are encouraged to submit their qualifications, which will include the information below. Failure to comply with this requirement may lead in disqualification of the Consultant's proposal:

- a. Signed cover letter stating interest in the project. The cover letter should indicate the proposer's willingness to enter into an agreement with the LFUCG (see Sample Contract **Attachment B**). An officer of the company who has authority to commit their firm to the proposed project must sign the letter.
- b. Additional company information to be provided shall include company history, key management members, major accomplishments, inter-company or third party alliances or partnerships, and any major pending litigation and facts of the case(s).
- c. Narrative on how customer satisfaction is tracked.
- d. Copies of written continuing education/professional training program and quality control/quality assurance program.
- e. Provide the current number of employees and employee types.
- f. Statement of general firm qualifications and capacity that should include firm location, where the work will be performed, and the firm's background and demonstrated ability to perform the required services for this project.
- g. Project Team list including sub consultants indicating key professionals that will be specifically assigned to work on each discipline and phase of the project. Identify project manager. Detailed resumes for the key professionals and project manager should be included with the proposal. Describe team members' educational background, related experience, experience in providing like services to governmental entities, and individual references within such entities. Describe how the team has worked together on similar projects in the past.
- h. Summary of firm's recent (5 year) experience in similar/representative projects including

- i. Physical project size
 - ii. Estimated and Actual Cost of the resulting construction and/or renovation work
 - iii. Identification of any involved sub-consultants and/or joint-venture partners
 - i. Conflict of Interest Statement clearly stating the proposer has no conflicts of interest in providing professional services on the project.
 - j. A narrative of design approach, preliminary design concepts, approach to project inclusive of proposed work scope, and related considerations.
 - k. Ability to meet required deadlines (See Project Schedule **Attachment C**). Demonstrate integration of this project into the firm's present workload through current and projected staff workload data.
 - l. References: names and contact information of previous clients on similar projects within the past five (5) years with a description of the type of project completed on schedule and on budget. A minimum of three references is required.
3. **Proposal Format:** Proposals are limited to 20 single-sided pages not including the required LFUCG documents as outlined in the RFP. Proposals in excess of these requirements may not be considered. The twenty (20) page limitation includes any written, photographic or graphic material contained in the body of the statement and any appendices. The limitation does not include:
- i. The cover (although narrative on the reverse side of the front cover or front of the back cover will be counted)
 - ii. A title page
 - iii. A table of contents and/or index; or blank tab pages
4. Respondents are responsible for all costs associated with the preparation of materials in response to this RFP. The LFUCG assumes no responsibility for such costs. The LFUCG reserves the right to waive any formality in the submitted statements of qualifications, to reject any and all statements of qualifications or to re-advertise for additional statements of qualifications.
5. **Work Plan:** Consultant shall provide a plan to complete the work described herein in submitted proposal within the submittal limit. Included in work plan shall be:
- a. A checklist of what specific deliverables will be provided at each design phase and/or milestone and the team member that will provide the deliverable.
 - b. A specific budget and schedule (See Project Schedule **Attachment C**) to complete services described herein.
 - c. An explanation of the communication/documentation and collaboration plan.
 - d. An explanation of the approach that will be used to assure quality and well coordinated documents between all disciplines through the design process.
 - e. An explanation of the team Quality Control Program throughout all phases of design, and through construction administration.
6. **Lump Sum Pricing:**
- a. All Lump Sum Pricing shall include all direct labor and supervision necessary to complete the item in a manner that meets or exceeds the customer's satisfaction. It shall also include the labor payroll costs, overhead (such as unemployment taxes, general liability insurance, rent, utilities, phones, supplies, administrative salaries, F.I.C.A. sick and vacations, etc. disposal fees tool allowance, equipment, materials, profit and all other costs used on the job.)
 - b. Provide Firm Lump Sum Cost for providing the LFUCG with services as noted in these specifications.

<u>Design Stage (Total Services Below)*</u>	\$ 230,400
Schematic Design Phase: (percentage of total services)	\$ 43,200 15 %
Design Development Phase: (percentage of total services)	\$ 57,600 20 %
Construction Documents Phase: (percentage of total services)	\$ 115,200 40 %
Bid Phase: (percentage of total services)	\$ 14,400 5 %
<u>Construction Administration Stage</u>	\$ 57,600
(percentage of total services)	20 %
<u>Total Architectural/ Engineering Services</u>	\$ 288,000

*** See attached Lump Sum Pricing/Budget Detail**

7. **Payment for Additional Services:** Additional Services, as permitted under Section 2 of the Contract, shall be compensated at the unit rates listed below. The LFUCG reserves the right to increase or decrease frequencies of unit cost. If Additional Services are requested, the base contract may be increased or decreased on the basis of the unit rates. No price adjustments will be made unless mutually agreed to in advance through the Change Order process to the contract. All Unit Pricing Hourly Rates shall include all direct labor, any supervision required, labor payroll costs, overhead (such as unemployment taxes, general liability insurance, rent, utilities, phones, supplies, administrative salaries, F.I.C.A., sick and vacations, etc.) disposal fees, tool allowance, equipment, materials, profit, and all other costs used on the job.

<u>Title/Skill Level</u>	<u>Hourly Rate</u>
<u>Principal</u>	<u>125</u> \$/HR
<u>Architect</u>	<u>100</u> \$/HR
<u>Sr. Project Manager</u>	<u>75</u> \$/HR
<u>Graduate Architect</u>	<u>60</u> \$/HR
<u>CAD Technician</u>	<u>60</u> \$/HR
<u>_____</u>	<u>_____</u> \$/HR
<u>_____</u>	<u>_____</u> \$/HR

- a. Additional Services may require procurement beyond the base contract. Procurement shall comply with the specifications set forth herein. The Consultant markup over the invoiced price shall be zero percent (0%).
- b. Approved reimbursables will be based on actual costs and shall be mutually agreed to in advance through the Change Order process to the contract.



Sabrina Oaks

Signature

Sabrina Oaks

Name

Principal

Title

05/26/2023

Date

Lump Sum Pricing/Budget

Without a program meeting with the owner and a fixed budget, the design fee listed below is approximate. We are providing tentative cost approximations and a fee breakout as follows based on a hypothetical appraisal of what we understand about the facility in addition to current market cost data. We reserve the right to revise our fee once a final budget is approved, using **15%** of the construction costs as the basis for the design.

Construction Costs

Website listed appropriation (21-22 budget) = \$935,000
60% inflation costs = \$467,500
= \$1,496,000 +/-

We believe this may cover the building envelope (utilizing the single ply roof option), and may roughly correspond to a 60% increase over the preliminary budget numbers provided in the feasibility study dated 2018 (3% inflation per year pre-pandemic + 50% post pandemic for material shortages and inflation).

We believe that another \$850,000 would be needed for the HVAC components, pushing the project total to \$2.4 mil. +/-

If construction costs are assumed to be 20% of the total project, then costs may look like:

\$2.4 x 20% soft costs = \$480,000.00 soft cost
\$2,400,000 - \$480,000 = \$1,920,000 construction cost
\$1,920,000 construction cost x 15% design fee = \$288,000.

Assuming the hypothetical \$288,000, the fee schedule would look like:

Schematic Design (15%)	= \$43,200
Design Development (20%)	= \$57,600
Construction Doc Phase (40%)	= \$115,200
Bid Phase (5%)	= \$14,400
Contract Administration (20%)	= <u>\$57,600</u>
	\$288,000

- * This excludes any additional scope resulting from structural or MEP analysis, or outside specialty consultants, and is based on possible cost information listed above. We reserve the right to raise or lower the fee accordingly based on any increases in scope and will utilize the 15% x construction costs as an objective method for fee evaluation, utilizing the contractor-provided Schedule of Values to determine the fees as well as the allocation of fee amongst the team members.

AFFIDAVIT

Comes the Affiant, Tate Hill Jacobs Architects, Inc., and after being first duly sworn, states under penalty of perjury as follows:

1. His/her name is Sabrina Oaks and he/she is the individual submitting the proposal or is the authorized representative of Tate Hill Jacobs Architects, Inc., the entity submitting the proposal (hereinafter referred to as "Proposer").
2. Proposer will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the proposal is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Proposer will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
4. Proposer has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Proposer has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Proposer will not violate any provision of the campaign finance laws of the Commonwealth.
6. Proposer has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."

Continued on next page

7. Proposer acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

Sabrina Oaks

STATE OF Kentucky

COUNTY OF Fayette

The foregoing instrument was subscribed, sworn to and acknowledged before me

by Sabrina Oaks on this the 26th day

of May, 2023.

My Commission expires: 11/06/2025

Lori Faberson
NOTARY PUBLIC, STATE AT LARGE



GENERAL PROVISIONS

1. Each Respondent shall comply with all Federal, State & Local regulations concerning this type of service or good.

The Respondent agrees to comply with all statutes, rules, and regulations governing safe and healthful working conditions, including the Occupational Health and Safety Act of 1970, *29 U.S.C. 650 et. seq.*, as amended, and KRS Chapter 338. The Respondent also agrees to notify the LFUCG in writing immediately upon detection of any unsafe and/or unhealthful working conditions at the job site. The Respondent agrees to indemnify, defend and hold the LFUCG harmless from all penalties, fines or other expenses arising out of the alleged violation of said laws.

2. Failure to submit ALL forms and information required in this RFP may be grounds for disqualification.
3. Addenda: All addenda and IonWave Q&A, if any, shall be considered in making the proposal, and such addenda shall be made a part of this RFP. Before submitting a proposal, it is incumbent upon each proposer to be informed as to whether any addenda have been issued, and the failure to cover in the bid any such addenda may result in disqualification of that proposal.
4. Proposal Reservations: LFUCG reserves the right to reject any or all proposals, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by a Respondent in the preparation of proposals.
6. Changes/Alterations: Respondent may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the proposal, and received by LFUCG prior to the scheduled closing time for receipt of proposals, will be accepted. The proposal, when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of proposal".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from a Respondent.
8. Bribery Clause: By his/her signature on the bid, Respondent certifies that no employee of his/hers, any affiliate or Subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.

9. **Additional Information:** While not necessary, the Respondent may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the Respondent's response. Additional documentation shall not serve as a substitute for other documentation which is required by this RFP to be submitted with the proposal,
10. **Ambiguity, Conflict or other Errors in RFP:** If a Respondent discovers any ambiguity, conflict, discrepancy, omission or other error in the RFP, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. **Agreement to Bid Terms:** In submitting this proposal, the Respondent agrees that it has carefully examined the specifications and all provisions relating to the work to be done attached hereto and made part of this proposal. By acceptance of a Contract under this RFP, proposer states that it understands the meaning, intent and requirements of the RFP and agrees to the same. The successful Respondent shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to Respondent shall be authorized for services or expenses reasonably covered under these provisions that the proposer omits from its Proposal.
12. **Cancellation:** If the services to be performed hereunder by the Respondent are not performed in an acceptable manner to the LFUCG, the LFUCG may cancel this contract for cause by providing written notice to the proposer, giving at least thirty (30) days notice of the proposed cancellation and the reasons for same. During that time period, the proposer may seek to bring the performance of services hereunder to a level that is acceptable to the LFUCG, and the LFUCG may rescind the cancellation if such action is in its best interest.

A. Termination for Cause

- (1) LFUCG may terminate a contract because of the contractor's failure to perform its contractual duties
- (2) If a contractor is determined to be in default, LFUCG shall notify the contractor of the determination in writing, and may include a specified date by which the contractor shall cure the identified deficiencies. LFUCG may proceed with termination if the contractor fails to cure the deficiencies within the specified time.
- (3) A default in performance by a contractor for which a contract may be terminated shall include, but shall not necessarily be limited to:
 - (a) Failure to perform the contract according to its terms, conditions and specifications;
 - (b) Failure to make delivery within the time specified or according

- to a delivery schedule fixed by the contract;
- (c) Late payment or nonpayment of bills for labor, materials, supplies, or equipment furnished in connection with a contract for construction services as evidenced by mechanics' liens filed pursuant to the provisions of KRS Chapter 376, or letters of indebtedness received from creditors by the purchasing agency;
 - (d) Failure to diligently advance the work under a contract for construction services;
 - (e) The filing of a bankruptcy petition by or against the contractor; or
 - (f) Actions that endanger the health, safety or welfare of the LFUCG or its citizens.

B. At Will Termination

Notwithstanding the above provisions, the LFUCG may terminate this contract at will in accordance with the law upon providing thirty (30) days written notice of that intent, Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. **Assignment of Contract:** The contractor shall not assign or subcontract any portion of the Contract without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. **No Waiver:** No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this Contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
15. **Authority to do Business:** The Respondent must be a duly organized and authorized to do business under the laws of Kentucky. Respondent must be in good standing and have full legal capacity to provide the services specified under this Contract. The Respondent must have all necessary right and lawful authority to enter into this Contract for the full term hereof and that proper corporate or other action has been duly taken authorizing the Respondent to enter into this Contract. The Respondent will provide LFUCG with a copy of a corporate resolution authorizing this action and a letter from an attorney confirming that the proposer is authorized to do business in the State of Kentucky if requested. All proposals must

be signed by a duly authorized officer, agent or employee of the Respondent.

16. **Governing Law:** This Contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this Contract, the Parties agree that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division. All parties expressly consent to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to this Contract or any rights or obligations arising thereunder. Service of process may be accomplished by following the procedures prescribed by law.
17. **Ability to Meet Obligations:** Respondent affirmatively states that there are no actions, suits or proceedings of any kind pending against Respondent or, to the knowledge of the Respondent, threatened against the Respondent before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of Respondent to perform its obligations under this Contract, or which question the legality, validity or enforceability hereof or thereof.
18. Contractor understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Contractor is an independent contractor at all times during the performance of the services specified.
19. If any term or provision of this Contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.
20. Contractor [or Vendor or Vendor's Employees] will not appropriate or make use of the Lexington-Fayette Urban County Government (LFUCG) name or any of its trade or service marks or property (including but not limited to any logo or seal), in any promotion, endorsement, advertisement, testimonial or similar use without the prior written consent of the government. If such consent is granted LFUCG reserves the unilateral right, in its sole discretion, to immediately terminate and revoke such use for any reason whatsoever. Contractor agrees that it shall cease and desist from any unauthorized use immediately upon being notified by LFUCG.


Signature

05/26/2023

Date



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/26/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER MANN SUTTON and MCGEE 1353 Leestown Rd. Lexington KY 40508		CONTACT NAME: Keeley Young PHONE (A/C, No, Ext): (859) 225-3661 E-MAIL ADDRESS: Keeley@msmltdins.com FAX (A/C, No): (859) 225-8351	
		INSURER(S) AFFORDING COVERAGE	
		INSURER A : Motorist Insurance	
		INSURER B : Brickstreet Mutual Insurance Comapny	
		INSURER C : CNA Insurance Companies	
		INSURER D :	
		INSURER E :	
		INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** CL2292702893 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			5000135919	09/29/2022	09/29/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			5000135919	09/29/2022	09/29/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			5000136063	09/29/2022	09/29/2023	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N <input type="checkbox"/> N/A	WCB1032859	09/29/2022	09/29/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liability			AEH004313946	09/29/2022	09/29/2023	Aggregate 2,000,000 Occurence 1,000,000 Deductible 10,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

LFUCG Police Roll Call West

CERTIFICATE HOLDER

LFCUG
200 E Main Street

Lexington KY 40507

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

**DIRECTOR, DIVISION OF CENTRAL PURCHASING
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
200 EAST MAIN STREET
LEXINGTON, KENTUCKY 40507**

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITIES AND DBE CONTRACT PARTICIPATION

Notice of requirement for Affirmative Action to ensure Equal Employment Opportunities and Disadvantaged Business Enterprises (DBE) Contract participation. Disadvantaged Business Enterprises (DBE) consists of Minority-Owned Business Enterprises (MBE) and Woman-Owned Business Enterprises (WBE).

The Lexington-Fayette Urban County Government has set a goal that not less than ten percent (10%) of the total value of this Contract be subcontracted to Disadvantaged Business Enterprises, which is made up of MBEs and WBEs. The Lexington Fayette Urban County Government also has set a goal that not less than three percent (3%) of the total value of this Contract be subcontracted to Veteran-owned Small Businesses. The goal for the utilization of Disadvantaged Business Enterprises as well Veteran –owned Small Businesses as subcontractors is a recommended goal. Contractor(s) who fail to meet such goal will be expected to provide written explanations to the Director of the Division of Purchasing of efforts they have made to accomplish the recommended goal, and the extent to which they are successful in accomplishing the recommended goal will be a consideration in the procurement process. Depending on the funding source, other DBE goals may apply.

For assistance in locating Disadvantaged Business Enterprises Subcontractors contact:

Sherita Miller, MPA, Division of Central Purchasing
Lexington-Fayette Urban County Government
200 East Main Street, 3rd Floor, Room 338
Lexington, Kentucky 40507
smiller@lexingtonky.gov

Firm Submitting Proposal: Tate Hill Jacobs Architects. Inc.

Complete Address: 446 E. High Street, Suite 250 Lexington 40507
Street City Zip

Contact Name: Sabrina Oaks Title: Principal

Telephone Number: (859) 252-5994 Fax Number: (859) 253-1607

Email address: sabrina@thjarch.com

AFFIRMATIVE ACTION / EQUAL EMPLOYMENT OPPORTUNITY POLICY STATEMENT

Tate Hill Jacobs Architects, Inc.

It is the policy and practice of Tate Hill Jacobs Architects, Inc. to assure that no person will be discriminated against or be denied the benefit of any activity, program, or employment process in the areas of recruitment, advertising, hiring, upgrading, promotion, transfer, demotion, lay off, termination, rehiring, employment, rates of pay, and/or other compensation.

Tate Hill Jacobs Architects is an Affirmative Action / Equal Employment Opportunity employer and is strongly committed to all policies which will afford equal opportunity employment to all qualified persons without regard to race, color, religious creed, age, marital status, national origin, ancestry, sex, sexual orientation, gender identity, mental retardation, learning disability, present or past history of mental disorder, or physical disability including, but not limited to, blindness unless it is shown that such disability prevents performance of the work involved.

This policy and practice applies to all persons, particularly those who are members of protected classes. Tate Hill Jacobs Architects will implement, monitor, and enforce this Affirmative Action Policy Statement and Program in conjunction with all applicable federal and state laws, regulations, and executive orders.

Managers and supervisory staff will be advised of their responsibilities to ensure the success of this program. Each manager, supervisor, and employee of Tate Hill Jacobs Architects is expected to aid in the implementation of this program and be accountable for complying with the objectives of this Affirmative Action Plan.

Ultimate responsibility for this Affirmative Action Program will be with the Firm Principals. The day-to-day duties for the plan will be coordinated by the Office Manager who is hereby designated the Affirmative Action / Equal Employment Opportunity Officer for Tate Hill Jacobs Architects.



Firm Principal

5/26/2023
Date

EQUAL OPPORTUNITY AGREEMENT

Standard Title VI Assurance

The Lexington Fayette-Urban County Government, (hereinafter referred to as the "Recipient") hereby agrees that as a condition to receiving any Federal financial assistance from the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78Stat.252, 42 U.S.C. 2000d-4 (hereinafter referred to as the "Act"), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, (49 CFR, Part 21) Nondiscrimination in Federally Assisted Program of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the "Regulations") and other pertinent directives, no person in the United States shall, on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the U.S. Department of Transportation, including the Federal Highway Administration, and hereby gives assurance that will promptly take any necessary measures to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:
The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.
- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:
The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.



Signature

Tate Hill Jacobs Architects, Inc.

Name of Business

EQUAL OPPORTUNITY AGREEMENT

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Bidders

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Signature

N3D Group

Name of Business

WORKFORCE ANALYSIS FORM

Name of Organization: Tate Hill Jacobs Architects, Inc.

Categories	Total	White (Not Hispanic or Latino)		Hispanic or Latino		Black or African- American (Not Hispanic or Latino)		Native Hawaiian and Other Pacific Islander (Not Hispanic or Latino)		Asian (Not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (Not Hispanic or Latino)		Total		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Administrators																		
Professionals	5	1	4														1	4
Superintendents																		
Supervisors																		
Foremen																		
Technicians	1	1															1	
Protective																		
Para-																		
Office/Clerical	1		1															
Skilled Craft																		1
Service/Maintena																		
Total:	7	2	5														2	5

Prepared by: Lori Faberson Date: 05 / 26 / 2023

(Name and Title)

Revised 2015-Dec-15

WORKFORCE ANALYSIS FORM

Name of Organization: John A. Newman Consulting Engineers dba N3D Group

Categories	Total	White (Not Hispanic or Latino)		Hispanic or Latino		Black or African- American (Not Hispanic or Latino)		Native Hawaiian and Other Pacific Islander (Not Hispanic or Latino)		Asian (Not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (Not Hispanic or Latino)		Total		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Administrators																		
Professionals	7	6	1														6	1
Superintendents																		
Supervisors																		
Foremen																		
Technicians																		
Protective																		
Para-																		
Office/Clerical																		
Skilled Craft																		
Service/Maintena																		
Total:	7	6	1														6	1

Prepared by: John A. Newman, P.E. Member Date: 5 / 19 / 2023

(Name and Title)

Revised 2015-Dec-15

LFUCG STATEMENT OF GOOD FAITH EFFORTS
Bid/RFP/Quote #27-2023

By the signature below of an authorized company representative, we certify that we have utilized the following Good Faith Efforts to obtain the maximum participation by MWDBE and Veteran-Owned business enterprises on the project and can supply the appropriate documentation.

NA Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.

NA Included documentation of advertising in the above publications with the bidders good faith efforts package

X Attended LFUCG Central Purchasing Economic Inclusion Outreach event

X Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned Businesses of subcontracting opportunities

NA Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses

X Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).

NA Contacted organizations that work with MWDBE companies for assistance in finding certified MWBDE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.

X Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.

X Followed up initial solicitations by contacting MWDBEs and Veteran-Owned businesses to determine their level of interest.

X Provided the interested MWBDE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.

X Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items

into economically feasible units to facilitate MWDBE and Veteran participation, even when the prime contractor may otherwise perform these work items with its own workforce

X Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.

NA Included documentation of quotations received from interested MWDBE firms and Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.

NA Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.

NA Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal

X Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

NA Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE and Veteran participation.

NOTE: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to approval by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.

The undersigned acknowledges that all information is accurate. Any misrepresentations may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Tate Hill Jacobs Architects, Inc.

Company
05/26/2023

Date

Sabrina Oaks

Company Representative
Principal

Title



LFUCG MWDBE PARTICIPATION FORM
Bid/RFP/Quote Reference # 27-2023

The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately. **Failure to submit a completed form may cause rejection of the bid.**

MWDBE Company, Name, Address, Phone, Email	MBE WBE or DBE	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1. Tate Hill Jacobs Architects 446 E. High Street, #250 Lexington, KY 40507 (859) 252-5994 sabrina@thjarch.com	WBE	Architectural Services	\$144,000	50%
2.				
3.				
4.				

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Tate Hill Jacobs Architects, Inc.

Company

05/26/2023

Date

Sabrina Oaks

Company Representative

Principal

Title



MWDBE QUOTE SUMMARY FORM
 Bid/RFP/Quote Reference # 27-2023

The undersigned acknowledges that the minority and/or veteran subcontractors listed on this form did submit a quote to participate on this project. Failure to submit this form may cause rejection of the bid.

Company Name Tate Hill Jacobs Architects, Inc.	Contact Person Sabrina Oaks
Address/Phone/Email 446 E. High Street, Suite 250, Lexington, KY 40507 (859) 252-5994; sabrina@thjarch.com	Bid Package / Bid Date

MWDBE Company Address	Contact Person	Contact Information (work phone, Email, cell)	Date Contacted	Services to be performed	Method of Communication (email, phone meeting, ad, event etc)	Total dollars \$\$ Do Not Leave Blank (Attach Documentation)	MBE * AA HA AS NA Female	Veteran
446 E. High Street, #250 Lexington, KY 40507	Sabrina Oaks	(859) 252-5994 sabrina@thjarch.com	N/A	Architectural	N/A	\$144,000	Female	No

(MBE designation / AA=African American / HA= Hispanic American/AS = Asian American/Pacific Islander/ NA= Native American)

The undersigned acknowledges that all information is accurate. Any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Tate Hill Jacobs Architects, Inc.
 Company

Sabrina Oaks
 Company Representative

05/26/2023
 Date

Principal
 Title

MBE Participation Statement
Request for Proposal
For
Lexington Police Department West Roll Call
Building Envelope & HVAC Improvements
RFP # 27-2023

N3D Group reviewed various website listings for MBE participants for this project. Given the scope of this project we did not find a firm that, in our opinion, could offer assistance to this project, that is not already being performed by the prime design firm. Although we do not qualify as an WBE, N3D Group is 20% women owned.

John A. Newman, P.E. Founder

May 19, 2023



WWW.NWBOC.ORG

RNW23051

CERTIFICATION NUMBER

01/14/24

EXPIRATION DATE

Certifies that:

Tate Hill Jacobs Architects, Inc.

has successfully met the requirements of the NWBOC national certification program for certification as a woman-owned and woman-controlled business.

The identified business has qualified as an eligible Woman Business Enterprise (WBE) as set forth in NWBOC standards and procedures.

PHYLLIS HILL SLATER
Board Chair, NWBOC

541310

NAICS Code(s)

01/15/23

Date

WWW.NWBOC.ORG

INFO@NWBOC.ORG | 800-794-6140 | 1101 East Cumberland Ave, Suite #301, Tampa, Florida 33602

TAMPERING OR ALTERING THIS CERTIFICATE IS, IN THE DISCRETION OF NWBOC, GROUNDS FOR TERMINATION OF CERTIFICATION.

AMERICAN RESCUE PLAN ACT

AMENDMENT 1 — CERTIFICATION OF COMPLIANCE FOR EXPENDITURES USING FEDERAL FUNDS, INCLUDING THE AMERICAN RESCUE PLAN ACT

The Lexington-Fayette Urban County Government (“LFUCG”) may use Federal funding to pay for the goods and/or services that are the subject matter of this bid. That Federal funding may include funds received by LFUCG under the American Rescue Plan Act of 2021. Expenditures using Federal funds require evidence of the contractor’s compliance with Federal law. Therefore, by the signature below of an authorized company representative, you certify that the information below is understood, agreed, and correct. Any misrepresentations may result in the termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

The bidder (hereafter “bidder,” or “contractor”) agrees and understands that in addition to all conditions stated within the attached bid documents, the following conditions will also apply to any Agreement entered between bidder and LFUCG, if LFUCG uses Federal funds, including but not limited to funding received by LFUCG under the American Rescue Plan Act (“ARPA”), toward payment of goods and/or services referenced in this bid. The bidder also agrees and understands that if there is a conflict between the terms included elsewhere in this Request for Proposal and the terms of this Amendment 1, then the terms of Amendment 1 shall control. The bidder further certifies that it can and will comply with these conditions, if this bid is accepted and an Agreement is executed:

1. Any Agreement executed as a result of acceptance of this bid may be governed in accordance with 2 CFR Part 200 and all other applicable Federal law and regulations and guidance issued by the U.S. Department of the Treasury.
2. Pursuant to 24 CFR § 85.43, any Agreement executed as a result of acceptance of this bid can be terminated if the contractor fails to comply with any term of the award. This Agreement may be terminated for convenience in accordance with 24 CFR § 85.44 upon written notice by LFUCG. Either party may terminate this Agreement with thirty (30) days written notice to the other party, in which case the Agreement shall terminate on the thirtieth day. In the event of termination, the contractor shall be entitled to that portion of total compensation due under this Agreement as the services rendered bears to the services required. However, if LFUCG suspects a breach of the terms of the Agreement and/or that the contractor is violating the terms of any applicable law governing the use of Federal funds, LFUCG may suspend the contractor’s ability to receive payment by giving thirty (30) days’ advance written notice. Further, either party may terminate this Agreement for cause shown with thirty (30) days written notice, which shall explain the party’s cause for the termination. If the parties do not reach a settlement before the end of the 30 days, then the Agreement shall terminate on the thirtieth day. In the event of a breach, LFUCG reserves the right to pursue any and all applicable legal, equitable, and/or administrative remedies against the contractor.
3. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

- (1) Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- (3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- (4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part, and the contractor may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

Provided, however, that in the event a contractor becomes involved in or is threatened with litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

4. If fulfillment of the contract requires the contractor to employ mechanic's or laborers, the contractor further agrees that it can and will comply with the following:

- (1) *Overtime requirements: No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such a workweek unless such laborer or mechanic receives compensation at a rate not less*

than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such a workweek.

- (2) Violation: liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.*
- (3) Withholding for unpaid wages and liquidated damages. LFUCG shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.*
- (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower-tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower-tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.*

5. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.

6. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency Regional Office.

7. The contractor shall include these requirements in numerical paragraphs 5 and 6 in each subcontract exceeding \$100,000 financed in whole or in part with Federal funding.

8. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 et seq.

9. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency Regional Office.

10. The contractor shall include these requirements in numerical paragraphs 8 and 9 in each subcontract exceeding \$100,000 financed in whole or in part with Federal funds.

11. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 et seq.

12. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency regional office.

13. The contractor shall include these requirements in numerical paragraphs 11 and 12 in each subcontract exceeding \$100,000 financed in whole or in part with American Rescue Plan Act funds.

14. The contractor shall include this language in any subcontract it executes to fulfill the terms of this bid: “the sub-grantee, contractor, subcontractor, successor, transferee, and assignee shall comply with Title VI of the Civil Rights Act of 1964, which prohibits recipients of federal financial assistance from excluding from a program or activity, denying benefits of, or otherwise discriminating against a person on the basis of race, color, or national origin (42 U.S.C. § 2000d et seq.), as implemented by the Department of the Treasury’s Title VI regulations, 31 CFR Part 22, which are herein incorporated by reference and made a part of this contract (or agreement). Title VI also includes protection to persons with ‘Limited English Proficiency’ in any program or activity receiving federal financial assistance, 42 U.S.C. § 2000d et seq., as implemented by the Department of the Treasury’s Title VI regulations, 31 CFR Part 22, and herein incorporated by reference and made a part of this contract or agreement.”

15. Contractors who apply or bid for an award of \$100,000 or more shall file the required certification that it will not and has not used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency. Each tier certifies to the tier above that it will not and has not used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier, up to the recipient. The required certification is included here:

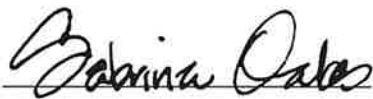
- a. The undersigned certifies, to the best of his or her knowledge and belief, that:
 - (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
 - (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions.
 - (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.
- b. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

16. The contractor acknowledges and certifies that it has not been debarred or suspended and further acknowledges and agrees that it must comply with regulations regarding debarred or suspended entities in accordance with 24 CFR § 570.489(1). Funds may not be provided to excluded or disqualified persons.

17. The contractor agrees and certifies that to the greatest extent practicable, it will prefer the purchase, acquisition, and use of all applicable goods, products or materials produced in the United States, in conformity with 2 CFR 200.322 and/or section 70914 of Public Law No. 117-58, §§ 70901-52, also known as the Infrastructure Investment and Jobs Act, whichever is applicable.

18. The contractor agrees and certifies that all activities performed pursuant to any Agreement entered as a result of the contractor's bid, and all goods and services procured under that Agreement, shall comply with 2 C.F.R. § 200.216 (Prohibition on certain telecommunications and video surveillance services and equipment) and 2 C.F.R. 200 § 200.323 (Procurement of recovered materials), to the extent either section is applicable.

19. If this bid involves construction work for a project totaling \$10 million or more, then the contractor further agrees that all laborers and mechanics, etc., employed in the construction of the public facility project assisted with funds provided under this Agreement, whether employed by contractor, or contractor's contractors, or subcontractors, shall be paid wages complying with the Davis-Bacon Act (40 U.S.C. 3141-3144). Contractor agrees that all of contractor's contractors and subcontractors will pay laborers and mechanics the prevailing wage as determined by the Secretary of Labor and that said laborers and mechanics will be paid not less than once a week. The contractor agrees to comply with the Copeland Anti- Kick Back Act (18 U.S.C. § 874) and its implementing regulations of the U.S. Department of Labor at 29 CFR part 3 and part 5. The contractor further agrees to comply with the applicable provisions of the Contract Work Hours and Safety Standards Act (40 U.S.C. Section 327-333), and the applicable provisions of the Fair Labor Standards Act of 1938, as amended (29 U.S.C. et seq.). Contractor further agrees that it will report all suspected or reported violations of any of the laws identified in this paragraph to LFUCG.



Signature

05/26/2023

Date



June 13, 2023

Mr. Chris Litton
LFUCG Project Manager
Lexington, KY

RE: LFUCG RFP 27-2023 Police Roll Call West

Dear Mr. Litton,

I am reaching out to provide clarification on the fee Tate Hill Jacobs submitted for the above reference project. Please note that we propose a Lump Sum Fee in the amount of \$288,000 for the Architectural and Engineering work for Police Roll Call West. Please strike from our proposal, any references to fees based on a percentage of construction.

Best Regards,
Sabrina

Sabrina Oaks
Principal, AIA, NCARB, LEED® BD+C Accredited Professional
TATE.HILL.JACOBS: ARCHITECTS, Inc.
446 East High Street, Suite 250 - Lexington, Ky 40507
PH: 859.252.5994
Cell: 859.492.7605
sabrina@thjarch.com
www.thjarch.com





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/26/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER MANN SUTTON and MCGEE 1353 Leestown Rd. Lexington KY 40508		CONTACT NAME: Keeley Young PHONE (A/C, No, Ext): (859) 225-3661 FAX (A/C, No): (859) 225-8351 E-MAIL ADDRESS: Keeley@msmtdins.com																						
INSURED Tate-Hill-Jacobs Architects Inc 446 East High Street Suite 250 Lexington KY 40507-1584		<table border="1"> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A :</td> <td>Motorist Insurance</td> <td>13331</td> </tr> <tr> <td>INSURER B :</td> <td>Brickstreet Mutual Insurance Comapny</td> <td>12375</td> </tr> <tr> <td>INSURER C :</td> <td>CNA Insurance Companies</td> <td>20443</td> </tr> <tr> <td>INSURER D :</td> <td></td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> <td></td> </tr> </table>		INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A :	Motorist Insurance	13331	INSURER B :	Brickstreet Mutual Insurance Comapny	12375	INSURER C :	CNA Insurance Companies	20443	INSURER D :			INSURER E :			INSURER F :		
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INSURER C :	CNA Insurance Companies	20443																						
INSURER D :																								
INSURER E :																								
INSURER F :																								

COVERAGES **CERTIFICATE NUMBER:** CL2292702893 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			5000135919	09/29/2022	09/29/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			5000135919	09/29/2022	09/29/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			5000136063	09/29/2022	09/29/2023	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WCB1032859	09/29/2022	09/29/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liability			AEH004313946	09/29/2022	09/29/2023	Aggregate 2,000,000 Occurrence 1,000,000 Deductible 10,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
LFUGG Police Roll Call West

CERTIFICATE HOLDER		CANCELLATION	
LFCUG 200 E Main Street Lexington KY 40507		SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 	