

DATE: February 2, 2023

DEPARTMENT OF GENERAL SERVICES  
BUREAU OF CAPITAL PROJECT DESIGN MANAGEMENT  
1800 HERR STREETS  
HARRISBURG, PENNSYLVANIA

**ADDENDUM NO. 1**

**on**

**PROJECT NO. DGS C-0404-0034 PHASE 001**

**PROJECT TITLE - McKeever Environmental Center Demolition Project**

**PROFESSIONAL:**

KCI Assoc. of Ohio  
441 Wolf Ledges Pkwy  
Akron, HI, 44311

**If you submitted a bid prior to this Addendum being issued, your bid has been discarded and you must re-submit your bid(s) prior to the bid opening date and time.**

**GENERAL CHANGES – ALL CONTRACTS**

Item 1 - Proposal Due Date is February 28, 2023.

Item 2 - BDISBO Presentation attached.

Item 3 - Salvageable bunk beds that are located in dormitories will be removed by DCNR prior to February 28, 2023.

Item 4 - Correct contact information for Jake Scheib (DCNR) is:

jscheib@pa.gov cell: (814) 221-0435

Item 5 - See attached page for answers to questions submitted in eBuilder through February 1, 2023.

**SPECIFICATION CHANGES – ALL CONTRACTS**

Item 1 - See attachment for section 010400 1.22 for DGS Manager Office.

**DRAWING CHANGES – ALL CONTRACTS**

Item 1 - See attachment for full set of 30% drawings.



SECTION 014000QUALITY CONTROL TESTING SERVICES

***[The text portion of Section 014000 is to be included verbatim in the Project Manual. The List of Tests and Inspections in Paragraph 3.3 must be edited to suit the Project. All Tests and Inspections to be required by the Contractor's Quality Control Agency shall be listed in the Table in Paragraph 3.3. Where the List of Tests and Inspections in Paragraph 3.3 does not contain adequate description(s) of your requirements, use the technical specifications for detailed instructions. Quality Control tests in this section are limited to those of a structural nature. Other tests are to be included in the appropriate technical specifications. Refer to the Division 1 Instructions for editing guidelines.]***

PART 1 – GENERAL

## 1.1 STIPULATIONS

- A. The specifications sections, "General Conditions of the Construction Contract", "Special Conditions", and "Division 1 - General Requirements" form a part of this Section by this reference thereto, and shall have the same force and effect as if printed herewith in full.

## 1.2 GENERAL

- A. The Contractor is responsible for verifying and enforcing compliance with all requirements of the Contract Documents. Contractor's responsibility includes, but is not limited to, the following:
  - 1. Supervision of field work to enforce contract compliance of all construction activity.
  - 2. Verification of compliance with plans and specifications of all manufactured materials or equipment. Provide certificates of compliance, or other approved proof of compliance, by the manufacturers and submit to the Professional.
  - 3. Performance of all necessary field measurements and/or inspections to verify compliance with requirements of the plans or specifications requiring adherence to measurable standards of field performance.
  - 4. Engaging an independent testing laboratory to perform tests and inspections as required by this specification section, hereafter referred to as Quality Control Testing and Inspection Services or Quality Control Testing Services.
  - 5. Providing support services for all Quality Control Services, including cutting and patching and repair or replacement as required.
- B. Work not included: Quality Assurance Services by the Department are specified in Section 014010. The Department reserves the right to perform tests under the Quality Assurance Testing program and to use those as the basis for approval or rejection at its sole discretion.

## 1.3 DESCRIPTION OF QUALITY CONTROL TESTING

- A. Quality Control Services include inspections, tests and reports by an independent testing laboratory or other approved agency, hereafter referred to as the Quality Control Agency. All Quality Control Services shall be at the Contractor's cost, which shall be included proportionally in all items of payment or contained in any Base Bid or Unit Price on the Proposal. Tests and Inspections are to include those specifically required by this section and within technical sections of the Project Manual.
- B. The Quality Control Agent shall submit a Testing and Inspection Plan to the Professional for its approval, and the approval of the Quality Assurance agent for all tests and inspections required by this section and within technical sections of the Project Manual.
- C. Quality Control Services by a Quality Control Agency or Agencies is intended to assist in the determination of probable compliance of the work with requirements specified or indicated and do not relieve the Contractor of the responsibility for compliance with Contract Document requirements.

- D. Specific testing or inspections of a structural nature required to be performed by independent Quality Control Agencies for individual construction activities are specified in this Section only. If testing or inspection requirements appear in this section and a technical section, the most stringent requirements shall prevail. If Quality Control Testing or Inspection is specified in a technical section and not in this section, it shall be required as if specified in this section. Non-structural tests and inspections are in the technical specifications.
- E. Inspections, tests and related actions specified are not intended to limit the Contractor's quality control procedures that facilitate compliance with Contract Documents requirements.
- F. Quality Control Services required by the local municipality or other governing authorities are the responsibility of the Contractor, regardless of whether or not specified hereinafter or in the applicable specification section.
- G. Each prime Contractor will pay for all costs in connection with its Quality Control Services. Whenever the word "Contractor" is used it shall be interpreted to mean Prime Contractor or Contractors as applicable. All Contractors performing work for which testing or inspection is required by this section are required to perform said tests/inspections appropriate for the quantity of work performed as indicated by this specification section and as required by all Contract Documents.

## PART 2 – PRODUCTS (Not Used)

## PART 3 – EXECUTION

### 3.1 RESPONSIBILITIES AND DUTIES OF CONTRACTOR

- A. The Contractor shall engage Quality Control Agencies to provide all Quality Control Services required to comply with the Contract Documents. These services shall be at no cost to the Department.
- B. The Contractor is responsible for retesting where results of required inspections, tests or similar services prove unsatisfactory and indicate non-compliance with Contract Document requirements. Likewise, the Contractor is responsible for retesting when the Department's Quality Assurance Test results prove unsatisfactory. If Quality Assurance Tests were in error, the Contractor shall be reimbursed for his retesting costs.
- C. Cost of retesting construction revised or replaced by the Contractor is the Contractor's responsibility.
- D. Provide the Quality Control Agency with preliminary representative samples of materials to be tested in quantities requested. If the source, quality or characteristics of an approved material changes or indicates lack of compliance with Contract requirements, submit additional samples of materials to the Quality Control Agency.
- E. When requested by the Professional, the Department, or the Quality Control Agency, the Contractor shall immediately provide reports, cutting lists, material bills, shipping bills, time and place of shipment of materials to shop and field and any relevant data on previous testing and investigations of materials.
- F. Provide casual labor and facilities:
  - 1. To provide access to the work inspected or tested by any authorized party.
  - 2. To obtain and handle samples at the site.
  - 3. To facilitate inspections and tests by the Quality Control Agency or Quality Assurance Agency.

4. For security and protection of samples and test equipment at the project site.
- G. To facilitate the timely sequence of inspection and testing, the Contractor shall give advanced notification to the Quality Control Agency and the Department that work has progressed to a point where inspection and testing may proceed.
- H. Contractor shall pay for additional cost of Quality Control Agency services which, in the opinion of the Professional and the Department, are required because of the following:
1. Failure of materials or workmanship to meet Contract requirements.
  2. Materials or practices not complying with the technical specifications which could possibly result in defective and unacceptable work.
  3. Changes in source, quality or characteristics of materials.
  4. Site cured concrete cylinders requested by the Contractor.
- I. The Quality Control Agency shall submit a certified written report of each inspection, test or similar service to the Design Professional, the Quality Assurance Agent, the Bureau of Construction Regional Director, Project Manager and Assistant Project Manager, and the Contractor, with additional copies directly to any governing authority when that authority so directs. All reports shall be uploaded to e-Builder within 24 hours of when the inspection occurs, test is conducted, test results obtained or similar service was conducted.
- J. Report Data: Written reports of each inspection, test or similar service shall include, but not be limited to:
1. Date of issue.
  2. Project title and number.
  3. Name, address and telephone number of testing agency.
  4. Dates and location of samples and tests or inspections.
  5. Names of individuals making the inspection or test.
  6. Designation of the Work and test method.
  7. Identification of product and specification section.
  8. Complete inspection or test data.
  9. Test results and an interpretation of test results.
  10. Ambient conditions at the time of sample taking and testing.
  11. Comments or professional opinion as to whether inspected or tested work complies with Contract Document requirements.
  12. Name and signature of Quality Control Agency inspector.
- K. The QC Agent shall cooperate in using standard forms/procedures developed by the Department that assist in accomplishing the tasks required.
- L. Engage independent testing laboratories, whose employees assigned to the Project and tests performed comply with ASTM E 329, Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction. The testing laboratory must be accredited and audited by a qualified national authority. The Contractor is to submit the name and credentials of the proposed QC Agent to the Design Professional and the Department for acceptance.
- M. Upon completion of inspection, testing, sample taking and similar activities, repair the damaged work and restore substrates and finishes to eliminate deficiencies, including deficiencies in the visual qualities of exposed finishes. Comply with the Contract Document requirements for "Cutting and Patching". Protect work exposed by or for Quality Control Testing activities, and protect repaired work.
- N. All required testing/inspection, including that stated in the body of the technical specification sections (be it referenced in the technical specifications as "Quality Control", "Quality Assurance", or any other referenced testing and/or inspection) shall be performed by the Contractor, unless it explicitly states it shall be performed by the Department. If stated to be

performed by the Department, the Contractor shall still be required to perform all necessary testing/inspection in advance of the Department to assure the work meets all the requirement of the contract documents.

- O. Contractor shall coordinate closely with the Department, the Professional and the Professional's QA Agencies and Consultants so that any required or desired QA testing can be performed concurrently or immediately after the Contractor's QC testing.

### 3.2 RESPONSIBILITIES AND DUTIES OF QUALITY CONTROL AGENCIES

- A. Quality Control Agencies engaged to perform inspections, sampling and testing of materials and construction shall cooperate with the Professional, the Quality Assurance Agent, the Department, the Department of Labor and Industry, and the Contractor in performance of its duties, and shall provide qualified personnel to perform required inspections and tests. If it is determined by the Department that the personnel provided are not qualified or are not working in the best interests of the Project for the tests performed, the Contractor, through their Quality Control Agent, shall immediately replace or supplement the subject personnel.
- B. Quality Control Agencies shall notify the Department, the Quality Assurance Agent, the Professional, and the Contractor immediately of irregularities or deficiencies observed in the Work during performance of its services.

### 3.3 QUALITY CONTROL SERVICES TO BE PERFORMED

- A. Testing and inspections by the Quality Control Agency or Agencies shall include, but are not limited to, the following list.

**LIST OF TESTS AND INSPECTIONS**

DESCRIPTION OF TEST OR INSPECTION	REFERENCED STANDARD	QUANTITY OR FREQUENCY
<b>BITUMINOUS PAVEMENT</b>		
Bulk Specific Gravity...of Compacted Bituminous Mixtures...	ASTM D1188 or D 2726	1 test
Density of Bituminous Concrete in Place by Nuclear Method	ASTM D2950	6 tests/1000sy paving
Thickness or Height of Compacted Bituminous Paving Mixture Specimens	ASTM D3549	3 tests/1000sy paving
<b>EARTHWORK<sup>1</sup></b>		
Laboratory Compaction Characteristics of Soil Using Modified Effort	ASTM D1557	One for each type and variation of cohesive soil to be compacted
Laboratory Compaction Characteristics of Soil Using Standard Effort	ASTM D698	One for each type and variation of cohesive soil to be compacted
Density of Soil and Soil-Aggregate In Place by Nuclear Methods	ASTM D6938	As often as required to ensure contract compliance
Inspect and comment on suitability of subgrades. Test footing excavations and paving subgrades regardless if it is native material or fill and record resultant foundation bearing capacity or compaction results as applicable.	N/A	As often as required to ensure the minimum required bearing capacity is present. Bearing Capacity tests must be witnessed and/or reviewed by the Department, Professional, Professional's Geotechnical Engineer or QA Agent.
Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	ASTM D6938	Continuous
<b>CONCRETE</b>		
Practice for Sampling Freshly Mixed Concrete. (5 cylinders/test) Perform air tests when sampling concrete. Perform slump tests and record temperature for all concrete deliveries.	ASTM C143, C1064, C231 or C173 or C138, C172, C31	For each mix, 1 test for each day of concreting or for each 50cy, whichever is greater. For non-structural concrete, 1 test for each 100cy is adequate.
Compressive Strength of Cylindrical Concrete Specimens	C39	
Inspection of bolts to be installed in concrete prior to and during placement of concrete, where allowable loads have been increased or where strength design is used	AWS D1.4; ACI 318: 3.5.2	
Inspection of concrete placement for proper application techniques	ACI 318: 5.9, 5.10	Continuous

DESCRIPTION OF TEST OR INSPECTION	REFERENCED STANDARD	QUANTITY OR FREQUENCY
<b>CONCRETE CONTINUED</b>		
Verification of slump flow and VSI as delivered to the site for self-consolidating grout	ACI 530	Continuous
<b>CAST STONE</b>		
Absorption of Architectural Cast Stone	ASTM C1195	1 Test
<b>MASONRY</b>		
Constructing and Testing Masonry Prisms Used to Determine Compliance with Specified Compressive Strength of Masonry (3 prisms/test)	ASTM C1314	1 Test
Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry, Annex A7 Compressive Strength (3 cylinders/test) (Contractor makes cylinders.)	ASTM C 780	1 Test/5000 units of masonry for each mortar type.
Sampling and Testing Grout (3 cubes/test) (Contractor makes cubes)	ASTM C1019	1 Test/25 CY grout.
Observation of any grout specimens and/or prisms	ACI 30.1/ASCE 6/TMS 602 Art 1.4	Continuous
<b>STRUCTURAL STEEL</b>		
High Strength Bolting	AISC ASD or LRFD M2.5	Comply with current requirements of RCSC
Liquid Penetrant Examination	ASTM E165	Test 15% of critical field welds using _____ method <b>[to be specified by structural engineer herein]</b>
Guide for Magnetic Particle Examination	ASTM E709	
Practice for Ultrasonic Contact Examination of Weldments	ASTM E164	
Guide for Radiographic Examination	ASTM E94	

**Footnotes:**

1. Refer to Earthwork Section for additional details.

END OF SECTION

SECTION 014010QUALITY ASSURANCE TESTING AND INSPECTION SERVICES

***[The text portion of Section 014010 is to be included verbatim in the Project Manual. The List of Tests and Inspections in Paragraph 3.4 must be edited to suit the Project. Tests and inspections are to be performed by the Quality Assurance Agent(s) engaged under Work Orders(s) to the Professional's Agreement, as directed by the Professional and the Department and as deemed necessary due to field conditions and Contractor performance. General reference to Quality Assurance tests to be taken should appear in the specific Sections without elaboration. The tests and inspections required are to be listed in paragraph 3.4 of this Section.***

***Refer to the Division 1 Instructions for editing guidelines.]***

PART 1 – GENERAL

## 1.1 STIPULATIONS

- A. The specifications sections "General Conditions of the Construction Contract", "Special Conditions", and "Division 1 - General Requirements" form a part of this Section by this reference thereto, and shall have the same force and effect as if printed herewith in full.

## 1.2 GENERAL

- A. All testing and inspecting specifically called for and/or described in this section of the specifications are referred to as Quality Assurance Services and are the responsibility of the Quality Assurance Agency. Except as hereinafter specified, Quality Assurance Services will be performed without expense to the Contractor. The Quality Assurance Agency is an independent testing and inspecting agency engaged by the Department through the Professional. Testing required because of changes in materials or proportions at the request of the Contractor shall be at the Contractor's expense. The Professional may engage more than one Quality Assurance Agency to perform services. Whenever the word "Contractor" is used it shall be interpreted to mean Prime Contractor or Contractors as applicable.
- B. Work Not Included: Quality Control Testing to be performed by the Contractor is specified in Section 014000.

PART 2 – PRODUCTS (Not Used)PART 3 – EXECUTION

## 3.1 RESPONSIBILITIES AND DUTIES OF THE CONTRACTOR

- A. The use of Quality Assurance Services shall in no way relieve the Contractor of its responsibility to furnish materials and construction in full compliance with the plans and specifications or to perform Quality Control Testing where specified.
- B. To facilitate Quality Assurance Inspection or Testing, the Contractor shall:
  1. Secure and deliver to the project site, without cost, representative samples of materials it proposes to use and which are required to be tested under Paragraph 3.4, 'Tests and Inspections'.
  2. Furnish such casual labor as is necessary to obtain and handle samples at the project or at other sources of material.
  3. Provide means of safe access to work areas, provide conditions that allow testing and inspection to take place, provide materials for testing as requested, patch test sites when completed and furnish incidental labor and assistance necessary for inspectors of the Quality Assurance Agency to perform their tests and inspections.

### 3.2 AUTHORITY AND LIMITATIONS OF QUALITY ASSURANCE AGENCY

- A. Personnel representing the Quality Assurance Agency will not act as foremen nor perform other duties for the Contractor.
- B. Work will be checked as it progresses, but failure to detect any defective work or materials shall not in any way prevent later rejection when such defect is discovered, nor shall it obligate the Department or the Professional for final acceptance.
- C. The Quality Assurance Agency is not authorized to revoke, alter, relax, enlarge, or release any requirements of the specifications, nor to approve or accept any portion of the work.
- D. The Quality Assurance Agency shall report all test and inspection results to the Professional, the Department and the Contractor immediately after they are performed. Selection and frequency of tests shall be at the discretion of the Professional and the Department. All reports shall be uploaded to e-Builder within 24 hours of when the inspection occurs, test is conducted, test results obtained or similar service was conducted.
- E. Written reports of each inspection, test or similar service shall include but not be limited to:
  - 1. Date of issue.
  - 2. Project title and number.
  - 3. Name, address and telephone number of testing agency.
  - 4. Dates and location of samples and tests or inspections.
  - 5. Names of individuals making the inspection or test.
  - 6. Designation of the Work and test method.
  - 7. Identification of product and specification section.
  - 8. Complete inspection or test data.
  - 9. Test results and an interpretation of test results.
  - 10. Ambient conditions at the time of sample taking and testing.
  - 11. Comments or professional opinion as to whether inspected or tested work complies with Contract Document requirements.
  - 12. Name and signature of Quality Control Agency inspector.
- F. When it appears that any material furnished or work performed by the Contractor fails to fulfill contract requirements, the Quality Assurance Agency shall report such deficiency to the Professional, the Department and the Contractor.

### 3.3 CONTRACTOR'S FAILURE TO MEET CONTRACT REQUIREMENTS

- A. The Department and the Professional reserve the right to reject any items which do not meet the requirements of the plans and specifications and will require the contractor to replace these items and bear all expenses in connection with such replacements.
- B. The Contractor shall pay all costs incurred in providing additional testing and/or analysis (including engineering fees) required because of deficient test results or construction not in compliance with requirements of the Contract Documents.

### 3.4 TESTS AND INSPECTIONS

- A. Tests and inspections listed below may, at the discretion of the Professional and the Department, be performed by an independent Quality Assurance Agency engaged by the Department through the Professional, without expense to the Contractor. The Department reserves the right to change this list at any time.

***[The Professional must furnish here a list of tests which is coordinated with the Consultant's contract for Quality Assurance Services. Earthwork Quality Assurance Services may be provided by the Professional's Geotechnical Engineer or the Quality Assurance Agent as determined by the Department on a project by project basis.]***



***The number of tests is not to be shown here. Special Inspection items required by IBC Chapter 17 are listed as one item only per trade with reference to the IBC paragraph where it is required.***

***QA is required by DGS to verify tests by the Contractor's QC Agent and to provide the Special Inspections required by Chapter 17 of the IBC. The Professional should use his full understanding of the Project in determining what testing and inspections should be required.]***

### **SECTION 1**

<u><b>REQ'D BY<sup>1</sup></b></u>	<u><b>DESCRIPTION OF TEST OR INSPECTION</b></u>	<u><b>REFERENCED STANDARD</b></u>	<u><b>IBC REFER- ENCE<sup>2</sup></b></u>
	<b>BITUMINOUS PAVING</b>		
DGS	Field inspection of construction procedures		
DGS	Bulk Specific Gravity...of Compacted Bituminous Mixtures...	ASTM D1188 or D 2726	
DGS	Density of Bituminous Concrete in Place by Nuclear Method	ASTM D 2950	
DGS	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	ASTM D 3549	
	<b>CONCRETE</b>		
IBC	1. Inspection of reinforcing steel, including prestressing tendons, and placement	ACI 318: 3.5, 7.1-7.7	1913.4
IBC	2. Inspection of reinforcing steel welding, in accordance with Table 1704.3, Item 5b	AWS D1.4; ACI 318: 3.5.2	
IBC	3. Inspection of bolts to be installed in concrete prior to and during placement of concrete, where allowable loads have been increased or where strength design is used	ACI 318: 8.1.3, 21.2.8	1911.5 1912.1
IBC	4. Inspection of anchors installed in hardened concrete	ACI 318: 3.8.6, 8.1.3, 21.2.8	1912.1
IBC	5. Verifying use of required design mix	ACI 318: Ch. 4, 5.2-5.4	1904.22, 1913.2, 1913.3
IBC	6. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, determine the temperature of the concrete	ASTM C172, C31; ACI 318: 5.6, 5.8	
IBC	7. Inspection of concrete and shotcrete placement for proper application techniques	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
IBC	8. Inspection for maintenance of specified curing temperature and techniques	ACI 318; 5.11-5.13	1913.9
IBC	9. Inspection of prestressed concrete: a. Application of prestressing forces b. Grouting of bonded prestressing tendons in the seismic-force-resisting system	ACI 318: 18.20 ACI 318: 8.18.4	

<b>REQ'D BY<sup>1</sup></b>	<b><u>DESCRIPTION OF TEST OR INSPECTION</u></b>	<b><u>REFERENCED STANDARD</u></b>	<b><u>IBC REFER- ENCE<sup>2</sup></u></b>
IBC	10. Erection of precast concrete members	ACI 318: Ch.16	
IBC	11. Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	ACI 318: 6.2	
IBC	12. Inspect formwork for shape, location and dimensions of the concrete member being formed.	ACI 318: 6.1.1	
DGS	Review Contractors' design mixes, Certificates of Compliance and material test reports		
DGS	Compressive Strength of Cylindrical Concrete Specimens <sup>2</sup>	ASTM C39	
	<b>CAST STONE</b>		
DGS	Absorption of Architectural Cast Stone	ASTM C1195	
	<b>MASONRY</b>		
DGS	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry, Annex A7 Compressive Strength <sup>6</sup>	ASTM C780	
DGS	Method of Sampling and Testing Grout <sup>6</sup>	ASTM C1019	
	<b>Level 1 Special Inspection</b>		
IBC	1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	Art. 1.5 <sup>5</sup>	
IBC	2. Verification of $f'_m$ and $f'_{AAC}$ prior to construction except where specifically exempted by this code.	Art. 1.4B <sup>5</sup>	
IBC	3. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.	Art. 1.5B.1.b.3 <sup>5</sup>	
IBC	4. As masonry construction begins, the following shall be verified to ensure compliance: a. Proportions of site-prepared mortar b. Construction of mortar joint c. Location of reinforcement connectors, prestressing tendons and anchorages d. Prestressing technique e. Grade and size of prestressing tendons and anchorages	Art 2.6A <sup>5</sup> Art 3.3B <sup>5</sup> Art 3.4, 3.6A <sup>5</sup>  Art 3.6B <sup>5</sup> Art 2.4B, 2.4H <sup>5</sup>	

<b><u>REQ'D BY<sup>1</sup></u></b>	<b><u>DESCRIPTION OF TEST OR INSPECTION</u></b>	<b><u>REFERENCED STANDARD</u></b>	<b><u>IBC REFER- ENCE<sup>2</sup></u></b>
IBC	5. The inspection program shall verify: <ul style="list-style-type: none"> <li>a. Size and location of structural elements</li> <li>b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.</li> <li>c. Specified size, grade and type of reinforcement, anchor bolts, prestressing tendons and anchorages.</li> <li>d. Welding of reinforcing bars</li> <li>e. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F)</li> <li>f. Application and measurement of prestressing force</li> </ul>	Art 3.3F <sup>5</sup> Sec 1.2.2(e) <sup>4</sup> , 1.16.1 <sup>4</sup>  Sec 1.15 <sup>4</sup> , Art 2.4, 3.4 <sup>5</sup> Sec 2.1.9.7.2, 3.3.3.4(b) <sup>4</sup> Art 1.8C, 1.8D <sup>5</sup>  Art 3.6B <sup>5</sup>	Sec 2104.3, 2104.4
IBC	6. Prior to grouting, the following shall be verified to ensure compliance: <ul style="list-style-type: none"> <li>a. Grout space is clean</li> <li>b. Placement of reinforcement and connectors and prestressing tendons and anchorages</li> <li>c. Proportions of site-prepared grout and prestressing grout for bonded tendons</li> <li>d. Construction of mortar joints</li> </ul>	Art 3.2D <sup>5</sup> Sec 1.13 <sup>4</sup> , Art 3.4 <sup>5</sup>  Art 2.6B <sup>5</sup>  Art 3.3B <sup>5</sup>	
IBC	7. Grout placement shall be verified to ensure compliance with code and construction document provisions <ul style="list-style-type: none"> <li>a. Grouting of prestressing bonded tendons</li> </ul>	Art 3.5 <sup>5</sup>  Art 3.6C <sup>5</sup>	
IBC	8. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed	Art 1.4 <sup>5</sup>	Sec 2105.2.2, 2105.3
	<b>Level 2 Special Inspection</b>		
IBC	1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified	Art 1.5 <sup>5</sup>	
IBC	2. Verification of $f'_m$ and $f'_{AAC}$ prior to construction and for every 5000 square feet during construction	Art. 1.4B <sup>5</sup>	
IBC	3. Verification of proportions of materials in premixed or preblended mortar and grout as delivered to the site	Art. 1.5B <sup>5</sup>	
IBC	4. Verification of slump flow and VSI as delivered to the site for self-consolidating grout	Art. 1.5B.1.b.3 <sup>5</sup>	

<b>REQ'D BY<sup>1</sup></b>	<b>DESCRIPTION OF TEST OR INSPECTION</b>	<b>REFERENCED STANDARD</b>	<b>IBC REFER- ENCE<sup>2</sup></b>
IBC	5. The following shall be verified to ensure compliance: <ul style="list-style-type: none"> <li>a. Proportions of site-prepared mortar, grout and prestressing grout for bonded tendons</li> <li>b. Placement of masonry units and construction of mortar joints</li> <li>c. Placement of reinforcement, connectors and prestressing tendons and anchorages</li> <li>d. Grout space prior to grouting</li> <li>e. Placement of grout</li> <li>f. Placement of Prestressing grout</li> <li>g. Size and location of structural elements.</li> <li>h. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.</li> <li>i. Specified size, grade and type of reinforcement, anchor bolts, prestressing tendons and anchorages.</li> <li>j. Welding of reinforcing bars.</li> <li>k. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).</li> <li>l. Application and measurement of prestressing force.</li> </ul>	Art 2.6A <sup>5</sup>  Art 3.3B <sup>5</sup>  Sec 1.15 <sup>4</sup> , Art 3.4, 3.6A <sup>5</sup> Art 3.2D <sup>5</sup> Art 3.5 <sup>5</sup> Art 3.6C <sup>5</sup> Art 3.3F <sup>5</sup> Sec.1.2.2(e), 1.16.1 <sup>4</sup>  Sec. 1.15 <sup>4</sup> Art. 2.4, 3.4 <sup>5</sup> Sec. 2.1.9.7.2, 3.3.3.4 (b) <sup>4</sup> Art. 1.8C, 1.8 <sup>5</sup>  Art. 3.6B <sup>5</sup>	2104.3, 2104.4
IBC	6. Preparation of any required grout specimens and/or prisms shall be observed	Art 1.4 <sup>5</sup>	2105.2.2 2105.3
<b>STEEL CONSTRUCTION</b>			
IBC	1. Material verification of high-strength bolts, nuts, and washers: <ul style="list-style-type: none"> <li>a. Identification markings to conform to ASTM standards spec in the approved CDs.</li> <li>b. Manufacturer's Certificate of Compliance required</li> </ul>	AISC 360, Section A3.3 and applicable ASTM material standards	
IBC	2. Inspection of high-strength bolting: <ul style="list-style-type: none"> <li>a. Snug-tight joints</li> <li>b. Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation.</li> <li>c. Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated wrench methods of installation (N/A; DGS requires twist-off bolt or direct tension indicator)</li> </ul>	AISC 360, Section M2.5	1704.3.3
IBC	3. Material verification of structural steel and cold-formed steel deck: <ul style="list-style-type: none"> <li>a. For structural steel, identification markings to conform to AISC 360</li> <li>b. For other steel, identification markings to conform to ASTM standards specified in the approved CDs</li> <li>c. Manufacturer certified test reports</li> </ul>	AISC 360, Section M5.5 Applicable ASTM material standards	
IBC	4. Material verification of weld filler materials: <ul style="list-style-type: none"> <li>a. Identification markings to conform to AWS specification in the approved CDs</li> <li>b. Manufacturer's Certificate of Compliance required</li> </ul>	AISC 360, Sect A3.5 and applicable AWS A5 documents	

<b>REQ'D BY<sup>1</sup></b>	<b>DESCRIPTION OF TEST OR INSPECTION</b>	<b>REFERENCED STANDARD</b>	<b>IBC REFER- ENCE<sup>2</sup></b>
IBC	5. Inspection of welding: a. Structural steel 1) Complete and partial penetration groove welds 2) Multi-Pass fillet welds 3) Single-pass fillet welds > 5/16" 4) Plug and slot welds 5) Single-pass fillet welds < 5/16" 6) Floor and deck welds	AWS D1.1	1704.3.1
	b. Reinforcing steel: 1) Verification of weldability of reinforcing steel other than ASTM A 706 2) Reinforcing steel-resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special reinforced concrete shear walls, and shear reinforcement 3) Shear reinforcement 4) Other reinforcing steel	AWS D1.3 AWS D1.4 ACI 318: Section 3.5.2	1704.3.1
IBC	6. Inspection of steel frame joint details for compliance with approved CDs: a. Details such as bracing and stiffening b. Member locations c. Application of joint details at each connection		1704.3.2
DGS	Liquid Penetrant Examination	ASTM E165	
DGS	Guide for Magnetic Particle Examination	ASTM E709	
DGS	Practice for Ultrasonic Contact Examination of Weldments	ASTM E164	
DGS	Guide for Radiographic Examination	ASTM E94	
	<b>COLD-FORMED STEEL TRUSSES</b>		
IBC	Cold-formed steel trusses spanning 60 feet or greater		1704.3.4
	<b>WOOD</b>		
IBC	Professional to determine requirements.		1704.2, 1704.6
	<b>SPRAYED FIRE-RESISTANT MATERIALS</b>		
IBC	Professional to determine requirements.		1704.12
	<b>MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS</b>		
IBC	Professional to determine requirements.	AWCI 12-B.	1704.13
	<b>EXTERIOR INSULATION AND FINISH SYSTEMS</b>		
IBC	Professional to determine requirements.		1704.14

<b><u>REQ'D BY<sup>1</sup></u></b>	<b><u>DESCRIPTION OF TEST OR INSPECTION</u></b>	<b><u>REFERENCED STANDARD</u></b>	<b><u>IBC REFER- ENCE<sup>2</sup></u></b>
	<b>SEISMIC RESISTANCE</b>		
IBC	Professional to determine requirements.		1705, 1707, 1708
	<b>WIND REQUIREMENTS</b>		
IBC	Professional to determine requirements.		1706
	<b>GENERAL OVERVIEW OF QC TESTING</b>		
DGS	Review of Contractor QC Testing and Reports		

**SECTION 2**

<b><u>REQD BY<sup>1</sup></u></b>	<b><u>DESCRIPTION OF TEST OR INSPECTION</u></b>	<b><u>REFERENCED STANDARD</u></b>	<b><u>IBC REFER- ENCE<sup>2</sup></u></b>
	<b>SOILS</b>		
IBC	1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity		1704.7
IBC	2. Verify excavations are extended to proper depth and have reached proper material		1704.7
IBC	3a. Perform testing of compacted fill materials	ASTM D6938	1704.7
	3b. Perform classification of proposed compacted fill		1704.7
	3c. Perform Modified Proctor testing of proposed compacted fill	ASTM D1557	1704.7
	3d. Perform Standard Proctor testing of proposed compacted fill	ASTM D698	1704.7
IBC	4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill		1704.7
IBC	5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly		1704.7
	<b>DRIVEN DEEP FOUNDATIONS</b>		
IBC	1. Verify element materials, sizes and lengths comply with the requirements.		1704.8
IBC	2. Determine capacities of test elements and conduct additional load tests, as required.		1704.8

IBC	3. Observe driving operations and maintain complete and accurate records for each element.		1704.8
IBC	4. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element.		1704.8
IBC	5. For steel elements, perform additional inspections in accordance with Section 1704.3.		1704.8
IBC	6. For concrete elements and concrete-filled elements, perform additional inspections in accordance with Section 1704.4.		1704.8
IBC	7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.		1704.8
<b>CAST-IN-PLACE DEEP FOUNDATION ELEMENTS</b>			
IBC	1. Observe drilling operations and maintain complete and accurate records for each element.		1704.9
IBC	2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. <sup>8</sup> Record concrete or grout volumes.		1704.9
IBC	3. For concrete elements, perform additional inspections in accordance with Section 1704.4.		1704.9
<b>HELICAL PILE FOUNDATIONS</b>			
IBC	Professional to determine requirements.		1704.10
<b>VERTICAL MASONRY FOUNDATION ELEMENTS</b>			
IBC	Professional to determine requirements.		1704.11
<b>ENGINEERING SERVICES</b>			
DGS	Review of Contractor QC Test Reports.		
DGS	Review of Contractor QC Soil Bearing Test Reports.		
DGS	On-site Engineering Consultation <sup>7</sup>		
DGS	Office Engineering Consultation <sup>7</sup>		

**Footnotes:**

1. "DGS" are tests required by DGS and "IBC" are test required by Chapter 17 of the 2009 International Building Code.
2. IBC 2009.

3. Not used.
4. Refers to reference ACI 530/ASCE 5/TMS 402.
5. Refers to reference ACI 530.1/ASCE 6/TMS 602.
6. Concrete, mortar or grout molds are to be made by QA Agent under Special Inspection hours.
7. Principal(s) shall be Registered Professional Engineer(s). The Engineer making decisions and recommendations shall be a Registered Pennsylvania Professional Engineer.

END OF SECTION



# Pre-Bid Meeting BDISBO Presentation

C-0404-0034 - 001 - McKeever  
Environmental Center Demolition  
Project

---

Issuing Officer

Bryan Anthony -  
[branthony@pa.gov](mailto:branthony@pa.gov)

Susan Stanisc—  
[sstanisc@pa.gov](mailto:sstanisc@pa.gov)

**January 25, 2023, 9:00 AM**

Pennsylvania Department of General Services



# What's the Point?



Engaging Vendors that are representative of the communities served



# SDB and VBE Classification

Vendors must self-certify as a Small Business (SB) prior to SDB/VBE validation.

## SB Eligibility Requirements

- The business must be a for-profit, United States business.
- The business must be independently owned.
- The business may not be dominant in its field of operation.
- The business may not employ more than 100 full-time equivalent employees.
- The business may not exceed three-year average gross revenues of \$38.5 Million, regardless of business type (effective 11/1/2018).

## Small Diverse Business (SDB)

Goal oriented

- Woman Business Enterprise (WBE)
- Service-Disabled Veteran Business Enterprise (SDVBE)
- Minority Business Enterprise (MBE)
- LGBT Business Enterprise (LGBTBE)
- Disability-Owned Business Enterprise (DOBE)

## Veteran Business Enterprise (VBE)

Goal oriented

- Veteran Business Enterprise (VBE)
- Service-Disabled Veteran Business Enterprise (SDVBE)

**SDBs and VBEs must be certified/valid as of bid close due date and time.**



# Solicitation Specific Goals

C-0404-0034 - 001	SDB	VBE
.1 Design Build Contractor – ALL Base Bids #1, & #2	8%	3%

- Available subcontracting opportunities across the entire state for applicable services,
- Availability of DGS-verified SDB/VBEs to perform commercially useful functions, and
- Historical analysis of similar projects within the last 3 years.

**A Bidder/Offeror's failure to meet the SDB participation goal in full and the VBE participation goal in full, or their failure to receive an approved Good Faith Efforts waiver for any unmet portion of either the SDB or VBE participation goal will result in the rejection of the Bid or Proposal as nonresponsive**




# Finding SDB/VBE vendors

- <http://www.dgs.internet.state.pa.us/suppliersearch>
- Access Search Guide - <https://www.dgs.pa.gov/Small%20Diverse%20Business%20Program/Documents/Finding%20SBs%20and%20SDBs.pdf>
- Supplier Search assistance available from Issuing Officer or Bureau of Diversity Procurement Liaison



# Quick Search

**pennsylvania**  
DEPARTMENT OF GENERAL SERVICES

Supplier Search

Home PA eMarketplace Search Contracts

**Note:** The below searches (Quick Search and Advanced Search) will search suppliers who are qualified for one or more Invitation to Qualify (ITQ) Contracts AND suppliers registered with the Bureau of Diversity, Inclusion and Small Business Opportunities (BDISBO) as a small business or small diverse business. Use the Quick Search to search by Vendor Name or Vendor Number. Use the Advanced Search to search by Small, Small Diverse, ITQ Contracts, COSTARS and UNSPC codes.

Quick Search

Supplier Name or SAP Number

Search

Reset

**IMPORTANT:** Always click **Reset** prior to a new search to clear parameters from previous searches

Advanced Search

Show 10 entries

Export to Excel Reset Search Criteria

Supplier (click on name to display full record)	Contact	Address	SB Validity Dates	SDB Validity Dates	VBE Validity Dates	COSTARS
21ST CENTURY MEDIA NEWSPAPER LLC	ROBERT BUTKINS <a href="mailto:sales@nittanyvalley.com">sales@nittanyvalley.com</a>					No
22 GROUP, LLC ()	Caroline M. Harper	757 PUBLIC RD	9/23/2019-	9/23/2019-		No

<http://www.dgs.internet.state.pa.us/suppliersearch>



# Advanced Search

## Supplier Classifications

- ☐ Minority Business Enterprise
- ☐ Woman Business Enterprise
- ☐ LGBT Business Enterprise
- ☐ Disabled-Owned Business Enterprise
- ☐ Service-Disabled Veteran Business Enterprise
- ☐ Veteran Business Enterprise
- ☐ Small Business
- ☐ Stocking Supplier
- ☐ Non-Stocking Supplier
- ☐ Select all Classifications
- ☐ Select all Small Diverse Business Classifications

- ☐ Find only vendors that have all selected classifications
- ☒ Find only vendors that have at least one selected classification

← Select one or more classifications. To pull only SDBs, check "Select all Small Diverse Business Classifications" below. To Include SBs, check "Small Business".

## UNSPSC Description

Enter a brief code description (e.g. Door)

Type in any part of a UNSPSC code description to find vendors who have selected that UNSPSC code. ex: Landscaping will find vendors who have selected any UNSPSC code that has landscaping anywhere in the description. [Click here to download the entire list in Excel format.](#)

← OR ↓

## UNSPSC Codes

- ▶ ☐ 10000000 - Live Plant and Animal Material and Accessories and Supplies
- ▶ ☐ 11000000 - Mineral and Textile and Inedible Plant and Animal Materials
- ▶ ☐ 12000000 - Chemicals including Bio Chemicals and Gas Materials
- ▶ ☐ 13000000 - Resin and Rosin and Rubber and Foam and Film and Elastomeric Materials
- ▶ ☐ 14000000 - Paper Materials and Products
- ▶ ☐ 15000000 - Fuels and Fuel Additives and Lubricants and Anti corrosive Materials
- ▶ ☐ 20000000 - Mining and Well Drilling Machinery and Accessories
- ▶ ☐ 21000000 - Farming and Fishing and Forestry and Wildlife Machinery and Accessories
- ▶ ☐ 22000000 - Building and Construction Machinery and Accessories
- ▶ ☐ 23000000 - Industrial Manufacturing and Processing Machinery and Accessories
- ▶ ☐ 24000000 - Material Handling and Conditioning and Storage Machinery and their Accessories and
- ▶ ☐ 25000000 - Commercial and Military and Private Vehicles and their Accessories and Components
- ▶ ☐ 26000000 - Power Generation and Distribution Machinery and Accessories

Click arrow to expand Segment for additional codes

Browse and select one or more codes. Don't know the codes you want? Download the entire list in Excel.

See slide 13 to understand the UNSPSC code hierarchy.

- ☐ Find only vendors that have all selected UNSPSC codes
- ☒ Find only vendors that have at least one selected UNSPSC code



# UNSPSC Commodity Code Search



Find A Partner

Menu

UNv24.0301 of the UNSPSC Codeset is now available. [Access codesets.](#)

## Search the Code

Version 24.0301  
Code Number: (2-8  
digits)

Code Name:

## Welcome

The **United Nations Standard Products and Services Code® (UNSPSC®)**, managed by GS1 US® for the UN Development Programme (UNDP), is an open, global, multi-sector standard for efficient, accurate classification of products and services.

The UNSPSC offers a single global classification system that can be used for:

- Company-wide visibility of spend analysis
- Cost-effective procurement optimization
- Full exploitation of electronic commerce capabilities





# UNSPSC Commodity Code Search

Write down  
your code  
selections



[HOME](#) [FAQS](#) [SUBSCRIBE](#) [LIBRARY](#) [CODESET-DOWNLOADS](#) [INITIATIVES](#) [EDUCATION](#) [FIND A PARTNER](#)

Version 24.0301

Search Code

Search Title

Code	Title
31211900	Paint applicators and painting accessories
60121001	Paintings
60121225	Watercolor painting mediums
60124101	Multicultural painting products
72151300	Painting and paper hanging services
72151301	Residential painting service
72151302	Commercial painting service
72151303	Industrial painting service
72151304	Aircraft painting service
72151305	Bridge painting service
72151307	Ship painting service
73181104	Painting services
78181501	Vehicle body repair or painting service
78181836	Aircraft fixed wing coating and painting service
86121502	Painting



# Advanced Search

Use multiple filters to restrict your search results to exactly what and where you need.

**PA Counties**

☐ Grant County  
☐ Clearfield County  
☐ Clinton County  
☐ Columbia County  
☐ Crawford County  
☒ Cumberland County  
☒ Dauphin County  
☐ Delaware County  
☐ Elk County  
☐ Erie County  
☐ Select all Counties

☐ Find only vendors that s  
☒ Find only vendors that s

**Supplier Classifications**

☒ Minority Business En  
☒ Woman Business En  
☒ LGBT Business Ente  
☒ Disabled-Owned Bu  
☒ Service-Disabled Ve  
☒ Veteran Business En  
☒ Small Business  
☐ Stocking Supplier  
☐ Non-Stocking Supplier

**UNSPSC Codes**

☐ 30100000 - Structural components and basic shapes  
☐ 30110000 - Concrete and cement and plaster  
☐ 30120000 - Roads and landscape  
☐ 30130000 - Structural building products  
☒ 30140000 - Insulation  
☒ 30150000 - Exterior finishing materials  
☒ 30151500 - Roofing materials  
☒ 30151600 - Roofing accessories  
☒ 30151700 - Rain gutters and accessories  
☒ 30151800 - Siding and exterior wall materials  
☐ 30151900 - Finishing materials and products  
☐ 30152000 - Fencing

☐ Find only vendors that have all selected UNSPSC codes  
☒ Find only vendors that have at least one selected UNSPSC code

Search

Reset



# Search Results

Advanced Search						
Show 25 entries			Export to Excel		Reset Search Criteria	
Supplier (click on name to display full record)	Contact	Address	SB Validity Dates	SDB Validity Dates	VBE Validity Dates	COSTARS
ADVANCED AUDIO VISUAL SALES INC	JOHN GREENE DIRECTOR OF SALES <a href="mailto:John.Greene@advancedav.com">John.Greene@advancedav.com</a> (Phone) 610-719-6194 (Fax) 610-692-8421	208 CARTER DRIVE SUITE 7 WEST CHESTER, PENNSYLVANIA 19382 (Phone) 610-719-6194				No
ADVANCED BUILDING CONTROLS LLC (DBA ADVANCED BUILDING CONTROLS LLC)	Craig Connelly <a href="mailto:CCONNELLY@ADVANCEDBLDGCONTROLS.COM">CCONNELLY@ADVANCEDBLDGCONTROLS.COM</a> (Phone) 215-520-9964	PO BOX 303 HOLICONG, PENNSYLVANIA 18928 (Phone) 215-520-9964	2/11/2019-2/28/2021			No
ADVANCED BUILDING PERFORMANCE INC ()	Pei Pei Cavalier <a href="mailto:PEIPEI@ABPCX.COM">PEIPEI@ABPCX.COM</a> (Phone) 301-760-9989	11225 HURDLE HILL DR POTOMAC, MARYLAND 20854 (Phone) 301-760-9989 <a href="http://abpcx.com">abpcx.com</a>	12/20/2019-12/20/2021	12/20/2019-12/20/2021		No
ADVANCED CLEANING SOLUTIONS LLC (ADVANCED CLEANING SOLUTIONS LLC)	Nicholas Ward <a href="mailto:cleanteam@advancedsolutionsPA.com">cleanteam@advancedsolutionsPA.com</a> (Phone) 610-597-0012	PO BOX 3223 ALLENTOWN, PENNSYLVANIA 18106	2/27/2018-3/31/2020	2/27/2018-3/31/2020	2/27/2018-3/31/2020	No

## Certified Small Businesses

- Advanced Building Controls LLC
- Advanced Building Performance Inc
- Advanced Cleaning Solutions LLC

## Small Diverse Businesses

- Advanced Building Performance Inc
- Advanced Cleaning Solutions LLC

## Veteran Business Enterprise

- Advanced Cleaning Solutions LLC



# Supplier Profile

Name:	ADVANCED CLEANING SOLUTIONS LLC
SAP Number:	511377
Doing Business As:	ADVANCED CLEANING SOLUTIONS LLC
Other Names:	
Keywords:	
Web site:	
SB Validity Dates:	02/27/2018 - 03/31/2020
SDB Validity Dates:	02/27/2018 - 03/31/2020
VBE Validity Dates:	02/27/2018 - 03/31/2020
COSTARS Participant:	No

← SB, SDB & VBE Expiration Dates

## Supplier Classifications

- Small Business
- Service-Disabled Veteran Business Enterprise
- Veteran Business Enterprise

← SB, SDB & VBE Classifications

## Contact Information

### Contacts

Contact Type	Contact Details	Phone
CORPORATE	Email: <a href="mailto:CLEANTEAM@ADVANCEDSOLUTIONSPA.COM">CLEANTEAM@ADVANCEDSOLUTIONSPA.COM</a>	
SB MAIN	Nicholas Ward Title: Email: <a href="mailto:cleanteam@advancedsolutionsPA.com">cleanteam@advancedsolutionsPA.com</a>	610-597-0012



# Search Results

Advanced Search						
Show <input type="text" value="25"/> entries			<a href="#">Export to Excel</a> <a href="#">Reset Search Criteria</a>			
Supplier (click on name to display full record)	Contact	Address	SB Validity Dates	DB Validity Dates	VBE Validity Dates	COSTARS
<a href="#">ADVANCED AUDIO VISUAL SALES INC</a>	JOHN GREENE DIRECTOR OF SALES <a href="mailto:John.Green@advancedav.com">John.Green@advancedav.com</a> (Phone) 610-719-6194 (Fax) 610-692-8421	208 CARTER DRIVE SUITE 7 WEST CHESTER, PENNSYLVANIA 19382 (Phone) 610-719-6194				No
<a href="#">ADVANCED BUILDING CONTROLS LLC (DBA ADVANCED BUILDING CONTROLS LLC)</a>	Craig Connelly  <a href="mailto:CCONNELLY@ADVANCEDBLDGCONTOLS.COM">CCONNELLY@ADVANCEDBLDGCONTOLS.COM</a> (Phone) 215-520-9964	PO BOX 303  HOLICONG, PENNSYLVANIA 18928 (Phone) 215-520-9964	2/11/2019-2/28/2021			No
<a href="#">ADVANCED BUILDING PERFORMANCE INC ()</a>	Pei Pei Cavalier  <a href="mailto:PEIPEI@ABPCX.COM">PEIPEI@ABPCX.COM</a> (Phone) 301-760-9989	11225 HURDLE HILL DR  POTOMAC, MARYLAND 20854 (Phone) 301-760-9989 <a href="http://abpcx.com">abpcx.com</a>	12/20/2019-12/20/2021	12/20/2019-12/20/2021		No
<a href="#">ADVANCED CLEANING SOLUTIONS LLC (ADVANCED CLEANING SOLUTIONS LLC)</a>	Nicholas Ward  <a href="mailto:cleanteam@advancedsolutionsPA.com">cleanteam@advancedsolutionsPA.com</a> (Phone) 610-597-0012	PO BOX 3223  ALLENTOWN, PENNSYLVANIA 18106	2/27/2018-3/31/2020	2/27/2018-3/31/2020	2/27/2018-3/31/2020	No

## Certified Small Businesses

- Advanced Building Controls LLC
- Advanced Building Performance Inc
- Advanced Cleaning Solutions LLC

## Small Diverse Businesses

- Advanced Building Performance Inc
- Advanced Cleaning Solutions LLC

## Veteran Business Enterprise

- Advanced Cleaning Solutions LLC



# Excel Export Results – Supplier Contacts

Excel Export Results includes Vendor ID, Supplier Name, Contact Name, Email, Phone, Fax

	A	B	C	D	E	F	G	H	I	J	K
1	SAP Number	Supplier Name	Contact Name	Name	Title	Email	PhoneAreaCode	PhoneNumber	PhoneEx	FaxAreaCo	FaxNumber
2	104279	CA WEISS SALES LLC	CORPORATE			caweiss@comcast.net					
3	104279	CA WEISS SALES LLC	SB MAIN	KRISTY ZARICHNIAK		kristyz@comcast.net	610	4588864		610	4588875
4	119565	DUFF SUPPLY COMPANY	CORPORATE	ALEX DUFFINE	VP	DFRANK@DUFFCOMPANY.COM	610	2754453	147	610	2796299
5	119565	DUFF SUPPLY COMPANY	REMITTO	BARB COHEN		bcohen@duffco.com	610	2754453	149	610	2756761
6	119565	DUFF SUPPLY COMPANY	SB MAIN	ALEX DUFFINE		aduffine@duffco.com	610	2754453			
7	119565	DUFF SUPPLY COMPANY	SB SECONDARY			info@duffco.com					
8	122594	HOUCK SERVICES INC	CORPORATE			jherrold@houcks.com					
9	122594	HOUCK SERVICES INC	SB MAIN	JARROD HERROLD		jherrold@houcks.com	717	6573302		717	6579805
10	122594	HOUCK SERVICES INC	SB SECONDARY			kgussler@houcks.com					
11	134717	PENN STATE ELECTRIC MECHANICAL	CORPORATE			razmataz33@aol.com					
12	134717	PENN STATE ELECTRIC MECHANICAL	SB MAIN	RAZ SUGARWALA		razmataz33@aol.com	717	2992090		717	2992297
13	134717	PENN STATE ELECTRIC MECHANICAL	SB SECONDARY			ksing6027@yahoo.com					
14	135270	BARBARA J SALES ASSOC INC	CORPORATE			barb@barbarajsles.com					
15	135270	BARBARA J SALES ASSOC INC	SB MAIN	BARBARA SMITH		barb@barbarajsales.com	412	5233398		800	8137122
16	135270	BARBARA J SALES ASSOC INC	SB SECONDARY			willsmith@willjservices.com					
17	137893	IDA YEAGER SALES INC	CORPORATE			idayeagersales@zoominternet.net					
18	137893	IDA YEAGER SALES INC	SB MAIN	IDA LAQUATRAYEAGER		idayeagersales@zoominternet.net	724	4525260		724	4521072
19	144061	CONSTRUCTION TOOL SERVICE INC	CORPORATE			ehuss@constructiontoolservice.com					
20	144061	CONSTRUCTION TOOL SERVICE INC	SB MAIN	BETTY CONNELLY		bconnelly@constructiontoolservice.com	412	6816673		412	6819185
21	144061	CONSTRUCTION TOOL SERVICE INC	SB SECONDARY			bcgoodwork@aol.com					
22	145576	BURKE & MICHAEL INC	CORPORATE			MARYFRANCES@BURKEANDMICHAEL.COM					
23	145576	BURKE & MICHAEL INC	SB MAIN	MARY FRANCES HOGAN		maryfrances@burkeandmichael.com	412	3212301		412	3214582
24	153927	COOPER TRADING INC	CORPORATE			cti@ctipa.com					
25	153927	COOPER TRADING INC	SB MAIN	PETER COOPER		pete@ctipa.com	724	8618830		724	8618832
26	153927	COOPER TRADING INC	SB SECONDARY			debbie@ctipa.com					
27	157009	CONTRACT HARDWARE AND SUPPLY	CORPORATE			cristil@chsupplyinc.com					
28	157009	CONTRACT HARDWARE AND SUPPLY	SB MAIN	BRAD BOTTEICHER		bradb@chsupplyinc.com	814	9412340		814	9412342

Suppliers	Supplier Addresses	Supplier Contacts	Counties	Supplier Classifications	ITQs	ITQ Contracts	UNSPSC Codes
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# Upcoming Supplier Search Training

The training will focus on the basics of the supplier search process including recognizing the UNSPSC Codes Structure, accessing the DGS Supplier Search Database and Searching for Small, Small Diverse and Small Veteran Owned Businesses to gain a better understanding of supplier search results.

The 30-minute sessions will be offered via Teams on-line presentations on the following dates in 2022: **(No RSVP Required)**

**Targeted Audience (External):** Potential prime contractors that conduct business with the commonwealth who want to learn the basics of finding DGS certified small diverse and veteran owned businesses.

- Thursday, January 5th, 10:00 am - 10:30am
- Thursday, January 26th, 10:00 am - 10:30am
- Thursday, February 2nd, 10:00 am - 10:30am
- Thursday, February 23rd, 10:00 am - 10:30am
- Thursday, March 2nd, 10:00 am - 10:30am
- Thursday, March 30th, 10:00 am - 10:30am

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Microsoft Teams meeting

**Join on your computer or mobile app**

[Click here to join the meeting](#)

Meeting ID: 293 754 842 172

Passcode: Uhqm2D

[Download Teams](#) | [Join on the web](#)

**Or call in (audio only)**

[+1 267-332-8737](#), [690952530#](#) United States, Philadelphia

Phone Conference ID: 690 952 530#

[Find a local number](#) | [Reset PIN](#)

Recording or transcription of this meeting may not occur without consent of all participants, as required by law, and must adhere to Commonwealth policies. For more information click the legal link.

[Learn More](#) | [Meeting options](#) | [Legal](#)

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[BDISBO Events Page](#)





# New Forms and Processes

- SDB/VBE Instructions – *SDB-1/VBE-1 **READ***
- SDB/VBE Participation Submittal – *SDB-2/VBE-2*
- SDB/VBE Utilization Schedule – *SDB-3/VBE-3*
- Letter of Commitment – *SDB 3.1/VBE-3.1*
- Guidance for Good Faith Effort (GFE) Waiver – *SDB-4/VBE-4 **READ***
- GFE Waiver – *SDB-5/VBE-5*

**Bid packages available in e-Builder in the  
Package Invitation/Bid Info in the Invitation Documents folder**





# SDB/VBE Forms in e-Builder

Pennsylvania Department of General Services / McKeever Environmental Center Demolition Project  
↳ DGS C-0404-0034 DBC Phase 1.1

**Status**

Bid Package	Open
Bidding	Pending
Response Submitted	No

**35 Days 23 Hours 49 Minutes Left**

Due on 02.28.2023 at 2:00 PM  
(GMT-05:00) Eastern Time (US & Canada)

**Summary**

Base Bid Total	0.00
Base Bid 2 Total	0.00


**Package Invitation**  
Accept Decline




Response Form

Q&A Board

**Bid Info** | **Invitation Documents (23)** | Addenda

Hide All | Show All

Click this icon  to download files. Clicking the icon next to a folder will download all files and subfolders within it.

File / Folder Name	Uploaded on	File Size
  01 Bid Documents (4)	05.13.2021 1:41 PM	
 Public Works Employment Verification Form.pdf Version 1	01.17.2023 2:38 PM	71.36 KB

Scroll down to  
find SDB and  
VBE  
Participation  
Packets



# Solicitation-Specific Goals

## SDB-1 INSTRUCTIONS FOR COMPLETING THE SMALL DIVERSE BUSINESS (SDB) PARTICIPATION SUBMITTAL AND SDB UTILIZATION SCHEDULE.

*PLEASE READ BEFORE COMPLETING THESE DOCUMENTS*  
*Bidders/Offerors do not need to return SDB-1 with their SDB Participation Submittal*

The following instructions include details for completing the SDB Participation Submittal (SDB-2) which Bidders or Offerors must submit in order to be considered responsive.

The following instructions also include details for completing the SDB Utilization Schedule (SDB-3) which Bidders or Offerors must submit for any portion of the SDB participation goal the Bidder or Offeror commits to meeting.

A Bidder/Offeror's failure to meet the SDB participation goal in full or their failure to receive an approved Good Faith Efforts waiver for any unmet portion of the SDB participation goal will result in the rejection of the Bid or Proposal as nonresponsive.

I. **SDB Participation Goal:** The SDB participation goal is set forth in the Solicitation. The Bidder/Offeror is encouraged to use a diverse group of subcontractors and suppliers from the SDB classifications to meet the SDB participation goal.

### II. SDB Eligibility:

1. Finding SDB firms: Offerors can access the directory of DGS-verified SDB firms from the DGS Supplier Search directory at: <http://www.dgs.internet.state.pa.us/suppliersearch>.

Only SDBs verified by DGS and as defined herein may be counted for purposes of achieving the SDB participation goal. In order to be counted for purposes of achieving the SDB participation goal, the SDB firm, including an SDB prime, must be DGS-verified for the services, materials or supplies that it has committed to perform.

- a. SDB prime bidders or offerors. An SDB prime firm whose SDB verification is pending or incomplete as of the bid or proposal due date and time may not satisfy the SDB participation goal through its own performance. A self-certified SB prime that does

Pennsylvania Department of General Services



# SDB Submittal – SDB-2

**CRITICAL**  
✓ Check One, and  
Only One, Box

## SDB-2 SDB PARTICIPATION SUBMITTAL

(.1 GC, .2 HVAC, .3 Plumbing, or .4 Electrical)

Base Bid: (identify the corresponding Base Bid for this SDB Participation Submittal)

**CHECK ONE, AND ONLY ONE, BOX. FAILURE TO COMPLY WILL RESULT IN REJECTION OF YOUR BID/PROPOSAL.**

*Click on bold titles to navigate to that specific page.*

<input type="checkbox"/> <b>I agree to meet</b> the SDB participation goal in full.  I have completed and am submitting with my bid or proposal an SDB Utilization Schedule (SDB- 3), which is required in order to be considered for award.	<input type="checkbox"/> <b>I am requesting a partial</b> waiver of the SDB participation goal.  After making good faith outreach efforts as more fully described in the <b>Guidance for Documenting Good Faith Efforts to Meet the SDB Participation Goal</b> , I am unable to achieve the total SDB participation goal for this solicitation and am requesting a partial waiver of the SDB participation goal.  I have completed and am submitting with my bid or proposal both of the following, which are required in order to be	<input type="checkbox"/> <b>I am requesting a full</b> waiver of the SDB participation goal.  After making good faith outreach efforts as more fully described in the <b>Guidance for Documenting Good Faith Efforts to Meet the SDB Participation Goal</b> , I am unable to achieve any part of the SDB participation goal for this solicitation and am requesting a full waiver of the SDB participation goal.
---	---	---



# SDB Utilization Schedule – SDB-3

## SDB-3 SDB UTILIZATION SCHEDULE

### Bidder/Offeree to complete the following:

**Amount of SDB participation goal to be met through the use of SDB subcontractors, suppliers, or manufacturers:** Bidders/offerees are not required to identify the specific SDB subcontractors, suppliers, or manufacturers within this SDB Utilization Schedule, but must identify the total percentage (%) of work to be performed by SDB subcontractors, suppliers, or manufacturers. However, the selected bidder/offeree must submit Utilization Reports identifying the SDB subcontractors, suppliers, or manufacturers used to meet the portion of the SDB participation goal listed below. To receive credit toward meeting the SDB participation goal, the SDB subcontractor, manufacturer, or supplier must be a DGS-verified SDB as of the date the work to be completed by the SDB commences.

Percentage of work to be performed by SDB subcontractors, suppliers, or manufacturers:  
\_\_\_\_\_ %

### If the Prime Bidder/Offeree is a DGS-verified SDB, complete the following:

SAP Vendor Number (6-digit number): \_\_\_\_\_

SDB Verification Number (located on DGS SDB verification):  
\_\_\_\_\_

Type of SDB: ☐ MBE  
☐ WBE  
☐ LGBTBE  
☐ DOBE  
☐ SDVBE

Description of Work to be Performed (Statement of Work/Specification reference):

Percentage of work to be self-performed by SDB bidder/offeree: \_\_\_\_\_ %



# Guidance to Document GFE SDB-4

## READ, READ, READ

- The ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the Offeror of the responsibility to make Good Faith Efforts to meet the stated participation goal.
- Prime must complete all components of the GFE paperwork. Details/Evidence are important, proof is required.
- Carefully review SDB and VBE submittal Instructions, specifically Section VI of SDB/VBE-1 which lists pertinent items as Fatal errors.



# Good Faith Efforts Packet SDB-5

## Good Faith Efforts (GFE) Partial or Full Waiver

- ☐ Identified Items of Work Applicant Made Available to SDBs (Part 1)
- ☐ Identified SDBs and Record of Solicitations (Part 2)
- ☐ SDB Outreach Compliance Statement (Part 3)
- ☐ Additional Information Regarding Rejected SDB Quotes (Part 4)
- ☐ SDB Subcontractor Unavailability Certificate (Part 5)



# SDB GFE Documentation – SDB-5

## SDB-5

### GOOD FAITH EFFORTS DOCUMENTATION TO SUPPORT WAIVER REQUEST OF SDB PARTICIPATION GOAL

<b>Project Description:</b>	
<b>Commonwealth Agency Name:</b>	
<b>Solicitation #:</b>	
<b>Solicitation Due Date and Time:</b>	
<b>Bidder/Offeree Company Name:</b>	
<b>Bidder/Offeree Contact Name:</b>	
<b>Bidder/Offeree Contact Email:</b>	
<b>Bidder/Offeree Contact Phone Number:</b>	

Complete all five parts

#### Part 1 – Identified Items of Work Offeror Made Available to SDBs

Identify those items of work that the Offeror made available to SDBs. This includes, where appropriate, those items the Offeror identified and subdivided into economically feasible units to facilitate the SDB participation. For each item listed, show the anticipated percentage of the total contract amount. It is the Offeror's responsibility to demonstrate that enough work to meet the SDB participation goal was made available to SDBs, and the total percentage of the items of work identified for SDB participation met or exceeded the SDB participation goal set for the procurement.

Identified Items of Work	Was this work listed in the solicitation?	Does Offeror normally self-perform this work?	Was this work made available to SDB Firms? If not, explain why.
	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no





# GFE Waiver – Part 1

## Identified Items of Work Offeror Made Available to SDBs

Identify those items of work that the Offeror made available to SDBs. This includes, where appropriate, those items the Offeror identified and subdivided into feasible units to facilitate the SDB participation. For each item listed, show the anticipated percentage of the total contract cost that will be made available to SDBs, and the total percentage of the contract cost that will be made available to SDBs, and the total percentage of the contract cost that will be made available to SDBs.

**CRITICAL**

✓ List all components of work offered for subcontracting.

	Was this work listed in the solicitation?	Does Offeror normally self-perform this work?	Was this work made available to SDB Firms? If not, explain why.
	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no

Attach additional sheets if necessary.





# GFE Waiver – Part 2

## Identified SDBs and Record of Solicitations

**CRITICAL**  
✓ Specifics and Details  
are important

Provide quotes for the Identified Items of Work made available for SDB participation. Include the name of the SDB which quotes were solicited, date and manner of initial and follow-up solicitations, whether the SDB provided a quote, and whether the quote was used toward meeting the SDB participation goal. SDBs used to meet the SDB participation goal must be listed on (SDB-2).

Initial solicitations and documentation of follow-up calls to SDBs must be attached to this form. For each Identified SDB, the Offeror should submit an SDB Subcontractor Unavailability Certificate signed by the SDB or a statement from the Offeror that the Offeror will sign the SDB Subcontractor Unavailability Certificate.

Name of Identified SDB and Classification	Describe Item of Work Solicited	Initial Solicitation Date & Method	Follow-up Solicitation Date & Method	Details for Follow-up Calls	Quote Received?	Quote Used?	Reason Quote Rejected
SDB Name:  <input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> LGBTBE <input type="checkbox"/> DOBE <input type="checkbox"/> SDVBE		Date:  <input type="checkbox"/> mail <input type="checkbox"/> email <input type="checkbox"/> fax	Date:  <input type="checkbox"/> mail <input type="checkbox"/> email <input type="checkbox"/> fax	Date and Time of Call:  Spoke with:  Left Message:	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> Used other SDB <input type="checkbox"/> Used non-SDB <input type="checkbox"/> Self performing
SDB Name:  <input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> LGBTBE <input type="checkbox"/> DOBE <input type="checkbox"/> SDVBE		Date:  <input type="checkbox"/> mail <input type="checkbox"/> email <input type="checkbox"/> fax	Date:  <input type="checkbox"/> mail <input type="checkbox"/> email <input type="checkbox"/> fax	Date and Time of Call:  Spoke with:  Left Message:	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> Used other SDB <input type="checkbox"/> Used non-SDB <input type="checkbox"/> Self performing

Attach additional sheets as necessary.



# GFE Waiver – Part 3

## SDB Outreach Compliance Statement



1. List the Identified Items of Work for subcontracting opportunities for the solicitation along with specific work categories:

2. Attach to this form copies of written solicitations (with Bid or Proposal instructions) used to solicit Identified SDBs for these subcontract opportunities.

3. Offeror made the following attempts to contact the Identified SDBs:

4. Bonding Requirements (Please Check One):

☐

This project does not involve bonding requirements.

☐

Offeror assisted Identified SDBs to fulfill or seek waiver of bonding requirements.  
(DESCRIBE EFFORTS):

5. Pre-Bid/Proposal Conference or Supplier Forum (Please Check One):

☐

# GFE Waiver – Part 4

## Additional Information Regarding Rejected SDB Quotes

This form is to be completed if Part 2 indicates that an SDB quote was rejected because the Offeror is using a non-SDB or is self-performing the Identified Items of Work, state whether the work will be self-performed or performed by a non-SDB, and if performed by a non-SDB firm. Also include the names of all SDBs and non-SDB firms that provided a quote and the amount of

**CRITICAL**  
✓ Documentation for  
Part 2

Self-performing or using non-SDB (provide name of non-SDB if applicable)	Amount of non-SDB quote \$	Name of other firms that provided quotes and whether they are SDB	Amount quoted \$	Reason why SDB quote was rejected along with brief explanation
<input type="checkbox"/> self-performing <input type="checkbox"/> using Non-SDB Name:		<input type="checkbox"/> SDB <input type="checkbox"/> Non-SDB Name:		<input type="checkbox"/> price <input type="checkbox"/> capabilities <input type="checkbox"/> other
<input type="checkbox"/> self-performing <input type="checkbox"/> using Non-SDB Name:		<input type="checkbox"/> SDB <input type="checkbox"/> Non-SDB Name:		<input type="checkbox"/> price <input type="checkbox"/> capabilities <input type="checkbox"/> other
<input type="checkbox"/> self-performing <input type="checkbox"/> using Non-SDB Name:		<input type="checkbox"/> SDB <input type="checkbox"/> Non-SDB Name:		<input type="checkbox"/> price <input type="checkbox"/> capabilities <input type="checkbox"/> other
<input type="checkbox"/> self-performing <input type="checkbox"/> using Non-SDB Name:		<input type="checkbox"/> SDB <input type="checkbox"/> Non-SDB Name:		<input type="checkbox"/> price <input type="checkbox"/> capabilities <input type="checkbox"/> other



# GFE Waiver – Part 5

## SDB Subcontractor Unavailability Certificate

**CRITICAL**  
✓ Required for each  
vendor listed in Part 1

It is hereby certified that the firm of \_\_\_\_\_  
(Name of SDB)

located at \_\_\_\_\_  
(Number) (Street)

\_\_\_\_\_  
(City) (State) (Zip)

was offered an opportunity to bid on Solicitation No. \_\_\_\_\_

by \_\_\_\_\_  
(Name of Prime Contractor's Firm)

\*\*\*\*\*

2. \_\_\_\_\_ (SDB), is either unavailable for the work/service or  
unable to prepare a Proposal for this project for the following reason(s):

\_\_\_\_\_

\_\_\_\_\_  
(Signature of SDB's Representative) (Title) (Date)



# SDB/VBE Response Submittal

Mailed proposals must be received by the Department of General Services in the Lobby of the Arsenal Building, 1800 Herr Street, Harrisburg, PA, prior to the Proposal Submission Deadline Date and Time regardless of method of delivery used. No proposal shall be considered if it arrives after the Proposal Submission Deadline, regardless of reason for the late arrival. All envelopes containing proposals must be clearly marked "PROPOSAL" and must include the address of the Proposal Submission location, the assigned contract, the proposer's name, address, project name, project number and the Proposal Submission Deadline Date and Time. Mailed proposals include proposals submitted through the United States Postal Service or through an express mail service. If the prospective proposer chooses the USPS as the method of delivery, please note that the USPS does not deliver directly to the Department of General Services, it is delivered to a processing area. Therefore, please allow an additional seven (7) calendar days for delivery. Proposals delivered in person by the proposer or through an authorized representative will be received by the Department of General Services, in the Lobby of the Arsenal Building, 1800 Herr Street, Harrisburg, PA from individuals presenting picture identification and providing evidence of his/her authorization from the proposer to deliver the proposal on behalf of the proposer, no later than the Proposal Submission Deadline.



# Best Practices

## **Do's**

- Read the solicitation and all instructions completely.
- Submit SEPARATE SDB and VBE submittal forms.
- Validate subcontractor SDB/VBE status in DGS Supplier Database.
- Ensure that all appropriate forms are completed and signed correctly.
- Submit questions early per the solicitation requirements.

## **Don'ts**

- Make any assumptions.
- Copy SDB submittal paperwork. Download and complete the VBE submittal separately, titles and accuracy matter.
- Skip any portion of the GFE request documentation.
- Forget to verify subcontractor status as current SDB/VBE in DGS Supplier Database.






# REMINDER



**SEPARATE SDB/VBE  
SUBMITTALS WITH  
EACH DISCIPLINE  
AND BASE BID!**



# REMINDER



**Failure to submit  
fully completed SDB  
and VBE submittal  
packets or GFE  
waiver request  
documentation will  
result in removal of  
your bid for award  
consideration**





# Questions?



# BDISBO Contact Info

## **Bureau of Diversity, Inclusion and Small Business Opportunities**

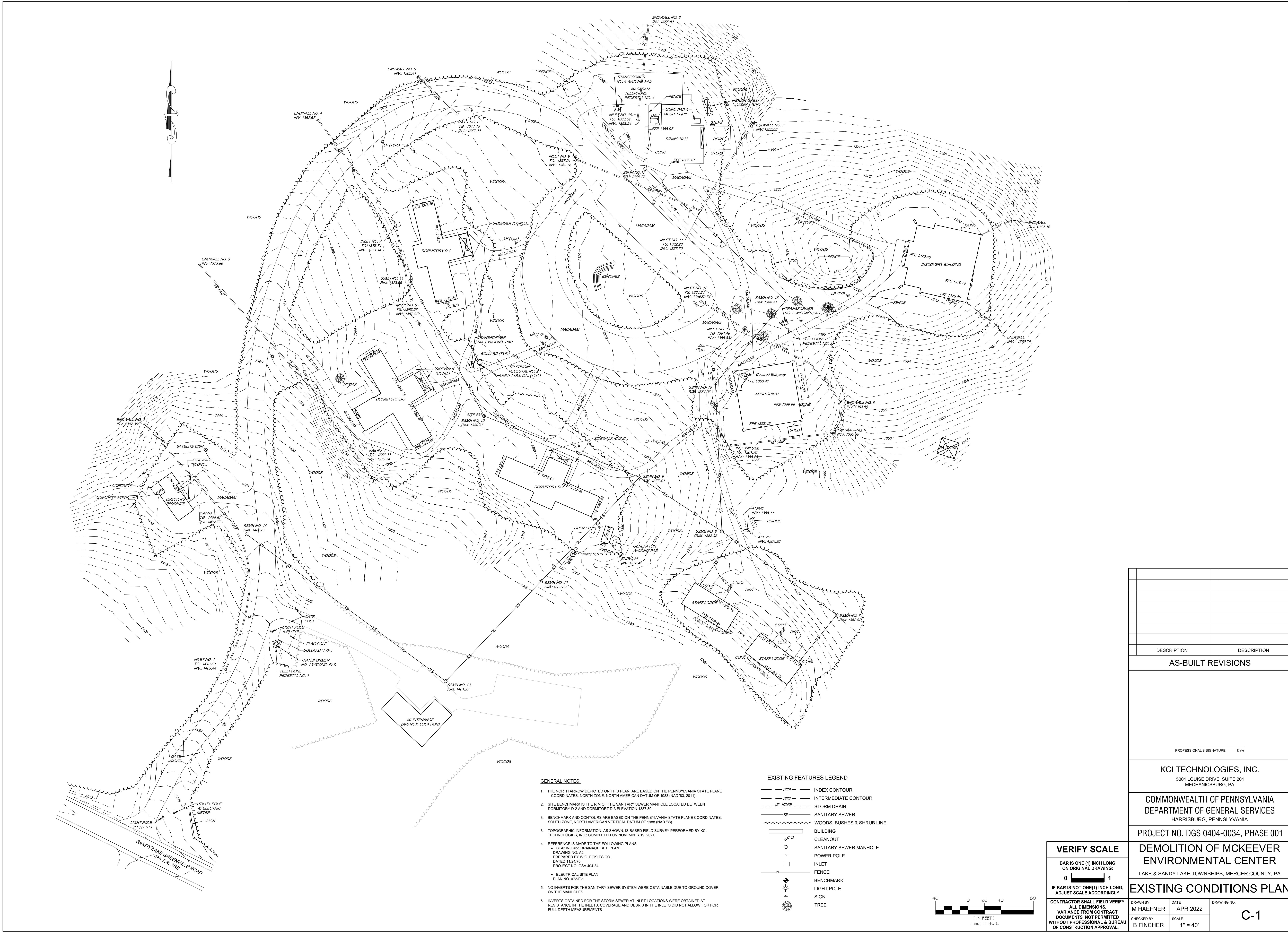
North Office Building  
401 North Street, Room 611  
Harrisburg, PA 17120-0500  
717.783.3119

[GS-BDISBO@pa.gov](mailto:GS-BDISBO@pa.gov)









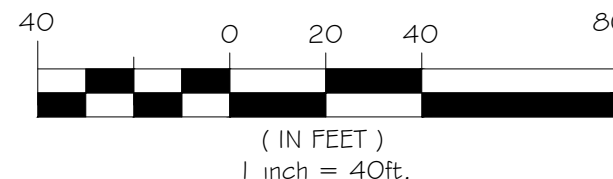
- GENERAL NOTES:**
- THE NORTH ARROW DEPICTED ON THIS PLAN, ARE BASED ON THE PENNSYLVANIA STATE PLANE COORDINATES, NORTH ZONE, NORTH AMERICAN DATUM OF 1983 (NAD '83, 2011).
  - SITE BENCHMARK IS THE RIM OF THE SANITARY SEWER MANHOLE LOCATED BETWEEN DORMITORY D-2 AND DORMITORY D-3 ELEVATION 1387.30.
  - TOPOGRAPHIC INFORMATION, AS SHOWN, IS BASED FIELD SURVEY PERFORMED BY KCI TECHNOLOGIES, INC., COMPLETED ON NOVEMBER 16, 2021.
  - REFERENCE IS MADE TO THE FOLLOWING PLANS:
    - STAKING AND DRAINAGE SITE PLAN DRAWING NO. A2 PREPARED BY W.G. ECKLES CO. DATED 11/24/70 PROJECT NO. GSA 404.34
    - ELECTRICAL SITE PLAN PLAN NO. 072-E-1
  - NO INVERTS FOR THE SANITARY SEWER SYSTEM WERE OBTAINABLE DUE TO GROUND COVER ON THE MANHOLES.
  - INVERTS OBTAINED FOR THE STORM SEWER AT INLET LOCATIONS WERE OBTAINED AT RESISTANCE IN THE INLETS. COVERAGE AND DEBRIS IN THE INLETS DID NOT ALLOW FOR FULL DEPTH MEASUREMENTS.

- EXISTING FEATURES LEGEND**
- INDEX CONTOUR
  - INTERMEDIATE CONTOUR
  - STORM DRAIN
  - SANITARY SEWER
  - WOODS, BUSHES & SHRUB LINE
  - BUILDING
  - CLEANOUT
  - SANITARY SEWER MANHOLE
  - POWER POLE
  - INLET
  - FENCE
  - BENCHMARK
  - LIGHT POLE
  - SIGN
  - TREE



DESCRIPTION	DESCRIPTION
<b>AS-BUILT REVISIONS</b>	
PROFESSIONAL'S SIGNATURE _____ DATE _____	
<b>KCI TECHNOLOGIES, INC.</b> 5001 LOUISE DRIVE, SUITE 201 MECHANICSBURG, PA	
<b>COMMONWEALTH OF PENNSYLVANIA</b> DEPARTMENT OF GENERAL SERVICES HARRISBURG, PENNSYLVANIA	
PROJECT NO. DGS 0404-0034, PHASE 001	
<b>DEMOLITION OF MCKEEVER ENVIRONMENTAL CENTER</b> LAKE & SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA	
<b>EXISTING CONDITIONS PLAN</b>	
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.	
DRAWN BY M HAEFNER	DATE APR 2022
CHECKED BY B FINCHER	SCALE 1" = 40'
DRAWING NO. <b>C-1</b>	

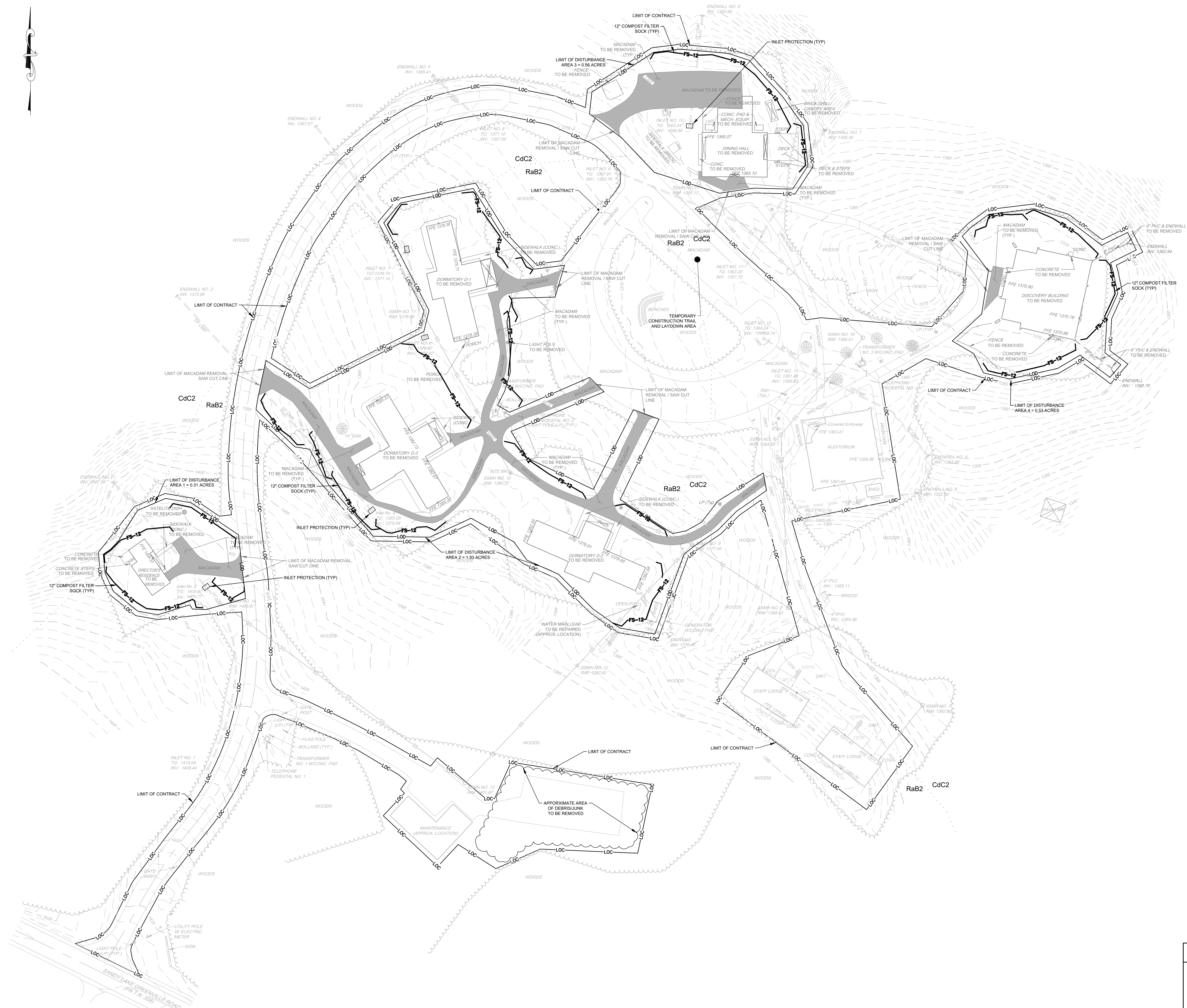


[illegible]









**EROSION & SEDIMENT CONTROL FEATURES LEGEND**

———— LOD ————	LIMIT OF DISTURBANCE
———— <b>FS-12</b> ————	COMPOST FILTER SOCK
.....	SOILS LINE
CdC2	SOIL SYMBOL
□	INLET PROTECTION

SOIL TABLE		
SOIL SYMBOL	SOIL NAME	SLOPE
CdC2	CANFIELD SILT LOAM	8 - 15%
RaB2	RAVENNA SILT LOAM	3 - 8%

DESCRIPTION		DESCRIPTION

## PROFESSIONAL'S SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF GENERAL SERVICES  
HARRISBURG, PENNSYLVANIA

# DEMOLITION OF MCKEEVER

## VERIFY SCALE

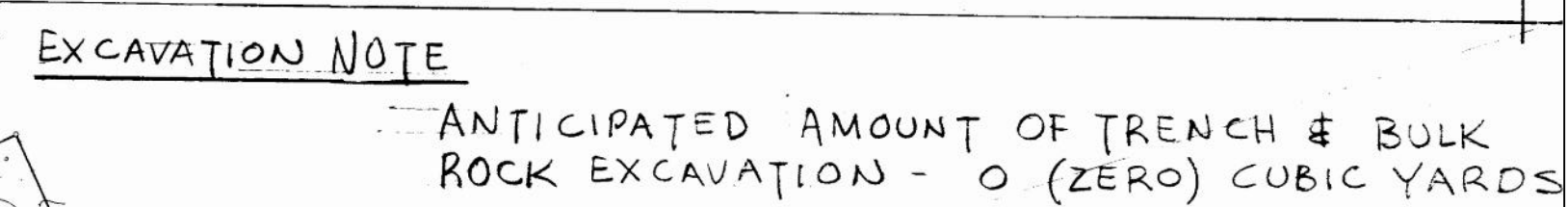
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.  
VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BURGLER OF CONSTRUCTION APPROVAL.

DRAWN BY  
M HAEFNER  
CHECKED BY  
B FINCHER

DRAWING NO.

C-4





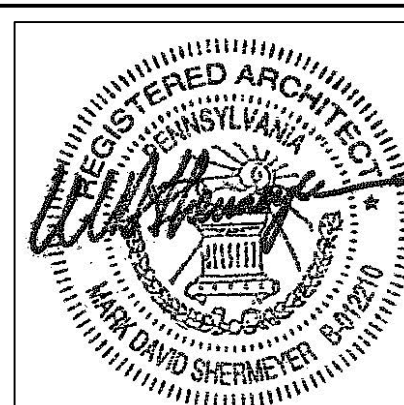
**SECTION 3304. SLOPES FOR PERMANENT FILL SHALL NOT BE STEEPER THAN 50%. ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.**

REVISED  
"AS BUILT" 3-28-'74

CONSTRUCTION DOCUMENTS 2/ 28/ 2022

[illegible]

## AS-BUILT REVISIONS



PROFESSIONAL'S SIGNATURE \_\_\_\_\_ Date 2/28/20  
CONSULTANT'S SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

KCI TECHNOLOGIES, INC.  
5001 LOUISE DRIVE, SUITE 201  
MECHANICSBURG, PA

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF GENERAL SERVICES  
HARRISBURG, PENNSYLVANIA

PROJECT NO. DGS 0404-0034, PHASE 00

DEMOLITION OF MCKEEVER  
ENVIRONMENTAL CENTER

LAKE &amp; SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA

LOCATION PLAT

AR-1

**VERIFY SCALE**

BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING:

IF BAR IS NOT ONE(1) INCH LONG

**CONTRACTOR SHALL FIELD VE**

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS

ALL DIMENSIONS.  
VARIANCE FROM CONTRACT  
DOCUMENTS NOT PERMITTED

DOCUMENTS NOT PERMITTED  
WITHOUT PROFESSIONAL & BUILDING  
OFFICIALS' CONSTRUCTION APPROVAL

DRAWN BY

---

DRAWING NO.

AD

CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION





- |             |  |  |  |
|-------------|--|--|--|
| READ<br>IL. |  |  |  |
|-------------|--|--|--|

DOCUMENTS NOT PERMITTED  
WITHOUT PROFESSIONAL & BURGLAR  
OF CONSTRUCTION APPROVAL.

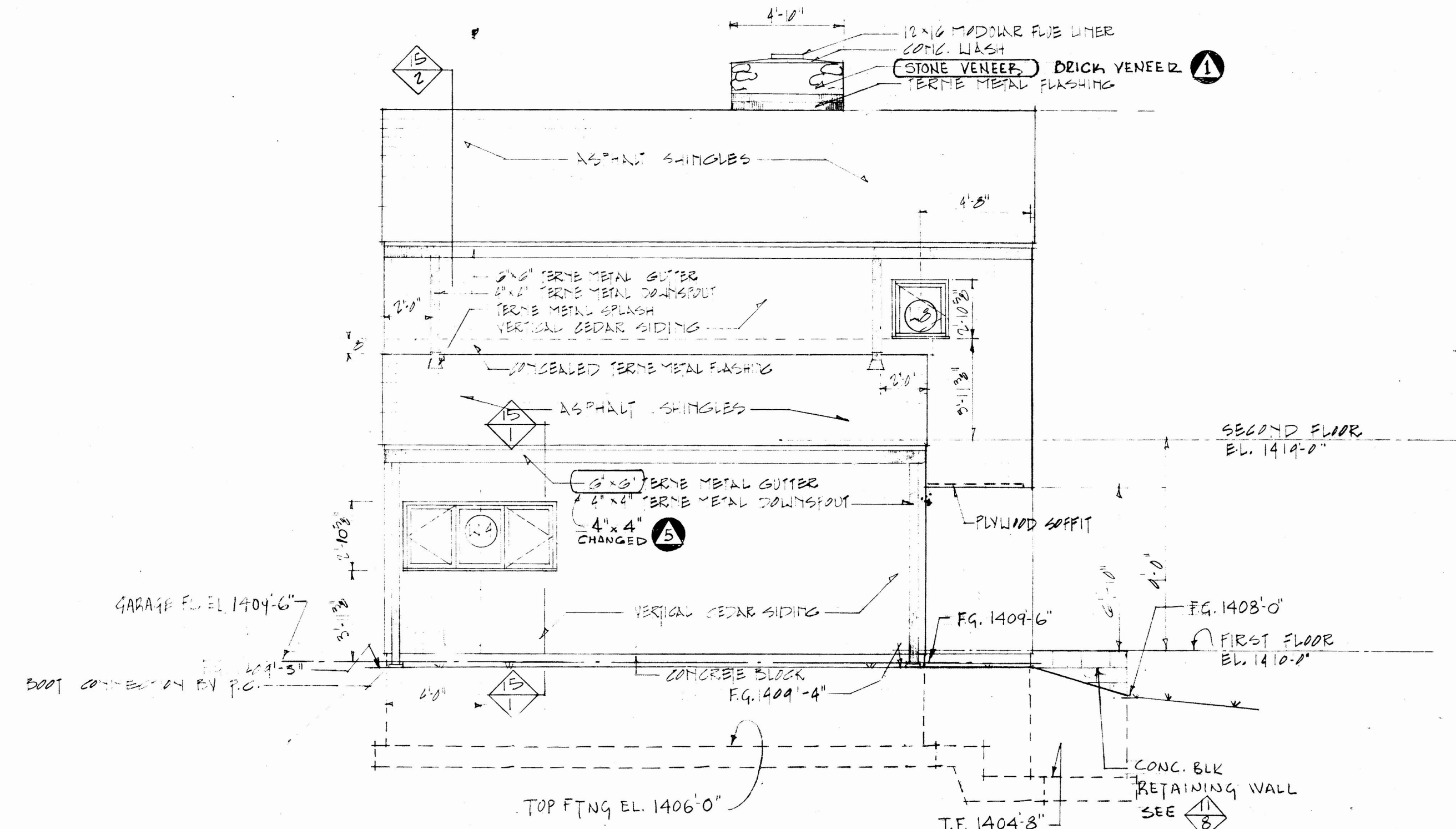
CHECKED BY	SCALE
------------	-------

AR-2

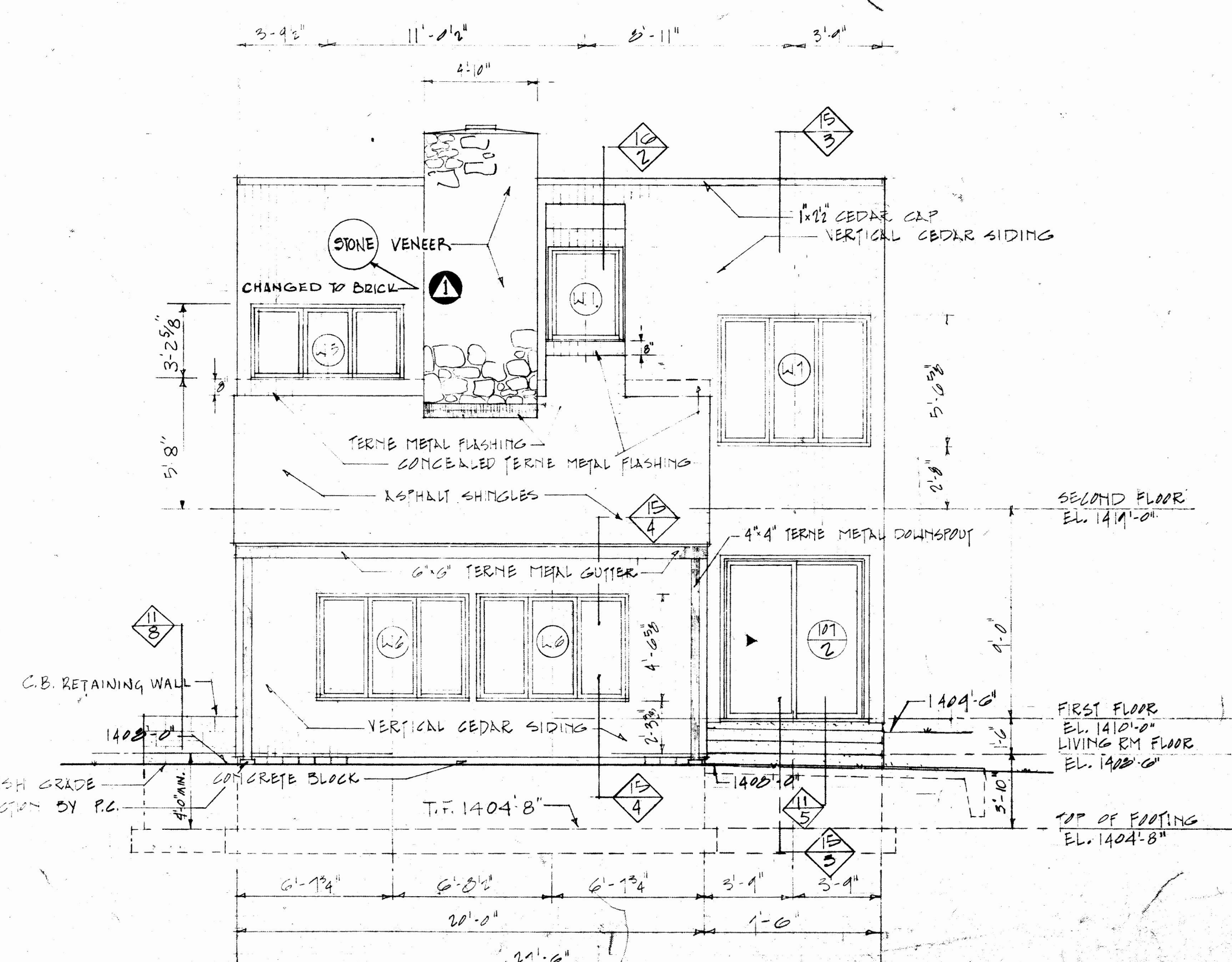




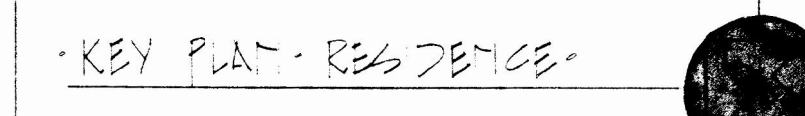




12 EAST ELEVATION. RESIDENCE. SCALE. 1" = 1'-0"



12 • WEST ELEVATION • RESIDENCE •



## GENERAL NOTES

2. CEDAR SIDING SHALL BE VERTICAL TYPE  
1-4 ROUGH SAWN, TONGUE & GROOVE, NO V  
GROOVES BLIND MINILED & FINISHED  
WITH CLEAR PRESERVATIVE.
3. ALL EXPOSED NAILS SHALL BE OF  
A NON-CORROSIVE TYPE.

**GENERAL NOTES:**

1. SUFFIX "R" SERIES DRAWINGS ARE FOR REFERENCE ONLY. THEY ARE COPIES OF ORIGINAL CONSTRUCTION DRAWINGS FOR MCKEEVE ENVIRONMENTAL CENTER. DIMENSIONS ON THESE DRAWINGS ARE NOT TO BE USED. INSTRUCTIONS BEFORE DEMOLITION TO VERIFY THE ACTUAL CONSTRUCTION MATERIALS AND EQUIPMENT TYPES.
2. ASSUME THAT WALLS WITH SOIL EMBANKMENT ON ONE SIDE ARE RETAINING WALLS AND, IF REMOVED, THE EMBANKMENT MUST BE STABILIZED BY SOME MEANS TO PREVENT COMPROMISING EXISTING STRUCTURES.
3. DO NOT STORE MATERIALS OUTSIDE OF FENCED AREA.
4. SUBSURFACE INVESTIGATION FOR UTILITIES HAS NOT BEEN PERFORMED. MCKEEVE ENVIRONMENTAL CENTER FACILITIES STAFF ARE UNAWARE OF UTILITIES OTHER THAN THOSE SHOWN ON DRAWINGS.
5. DEMOLITION INCLUDES REMOVAL OF ALL FIXED AND LOOSE ITEMS WITHIN THE L.O.C. AREA. PROPER DISPOSAL OF ANY GASES LIQUIDS DISCOVERED WITHIN THE BUILDING AND REMOVAL OF ALL UTILITIES BACK TO MANHOLE. SHUT-OFF VALVE LOCATION NOT ON DRAWINGS.
6. DAMAGES TO ANY SITE STRUCTURES THAT ARE NOT PART OF DEMOLITION MUST BE RESTORED TO SAME OR BETTER CONDITION.

**GENERAL DEMOLITION PERMIT NOTES:**

**PA-UCC, 2015 IBC: CHAPTER 33, SAFEGUARDS**  
**DURING CONSTRUCTION**

-T 3306.1 PROTECTION OF PEDESTRIANS: HEIGHT MORE THAN 8 FEET.  
-DISTANCE FROM CONSTRUCTION TO LOT LINE: ... EXCEEDING  $\frac{1}{2}$  THE HEIGHT OF CONSTRUCTION.  
-TYPE OF PROTECTION REQUIRED: NONE.

**SECTION 3303, DEMOLITION.**

-BUILDINGS, PAVEMENT, AND UTILITIES WILL BE REMOVED AND CAPPED.

-LOT WILL BE FILLED AND GRADED TO THE LEVEL OF THE SURROUNDING SITE.

-FOUNDATIONS WILL BE REMOVED DOWN TO FOUR FEET (MINIMUM) BELOW GRADED LEVEL.

-ALL DEMOLITION IS FOR MCKEEVER ENVIRONMENTAL CENTER PROPERTY- APPLICABLE GOVERNING AUTHORITY IS M.E.C. FOR ALL UTILITY DISCONNECTIONS AND TERMINATIONS.

**SECTION 3304. SLOPES FOR PERMANENT FILL SHALL NOT BE STEEPER THAN 50%. ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.**

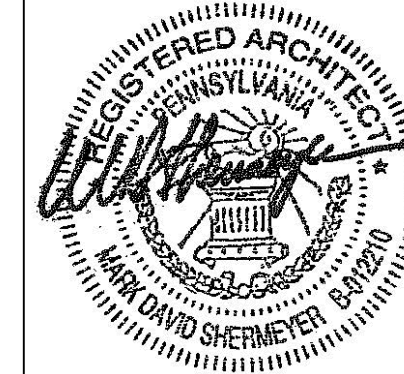
CONSTRUCTION DOCUMENTS 2/ 28/ 2022

NOTE:  
DIMENSIONS INDICATED ARE FOR REFERENCE ONLY.

REVISED	
① 'AS BUILT' 3-28-'74	⑤ 'AS BUILT' 3-28-'74
② 'AS BUILT' 3-28-'74	
③ 'AS BUILT' 3-28-'74	
④ 'AS BUILT' 3-28-'74	

[illegible]

AS-BUILT REVISIONS



PROFESSIONAL'S SIGNATURE \_\_\_\_\_ Date 2/28/2022 CONSULTANT'S SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

KCI TECHNOLOGIES, INC.

5001 LOUISE DRIVE, SUITE 201  
MECHANICSBURG, PA

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF GENERAL SERVICES

DEPARTMENT OF GENERAL SERVICES  
HARRISBURG, PENNSYLVANIA

PROJECT NO. DGS 0404-0034, PHASE 001

DEMOLITION OF MCKEEVER  
ENVIRONMENTAL CENTER

LAKE &amp; SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA

### DIRECTOR'S HOME - FLOOR PLANS + EXTERIOR ELEVATION

**VERIFY SCALE**

BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING:

IF BAR IS NOT ONE(1) INCH LONG

ADJUST SCALE ACCORDINGLY

**CONTRACTOR SHALL FIELD VER  
ALL DIMENSIONS.**

VARIANCE FROM CONTRACT  
DOCUMENTS NOT PERMITTED

WITHOUT PROFESSIONAL & BUR  
OF CONSTRUCTION APPROVAL

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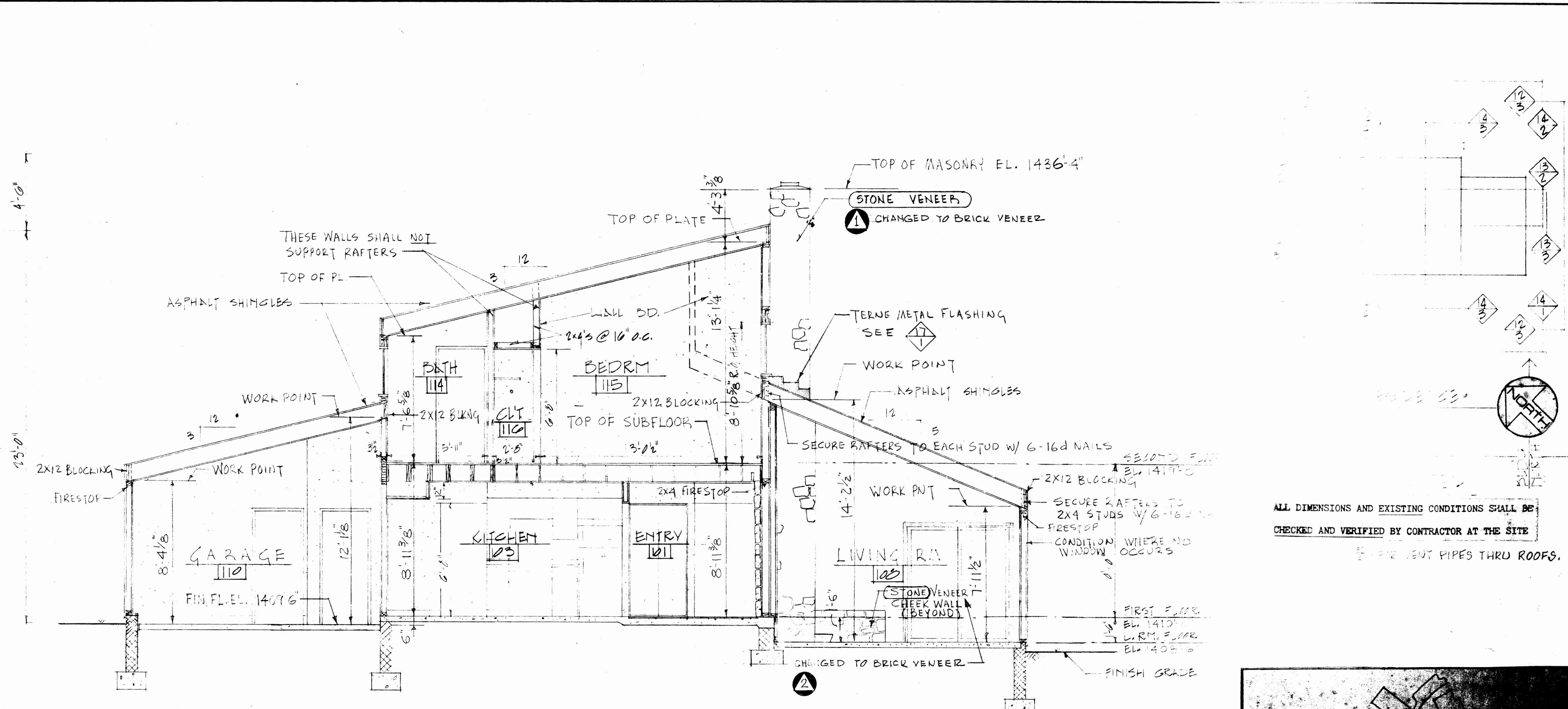
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AR-4

CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION

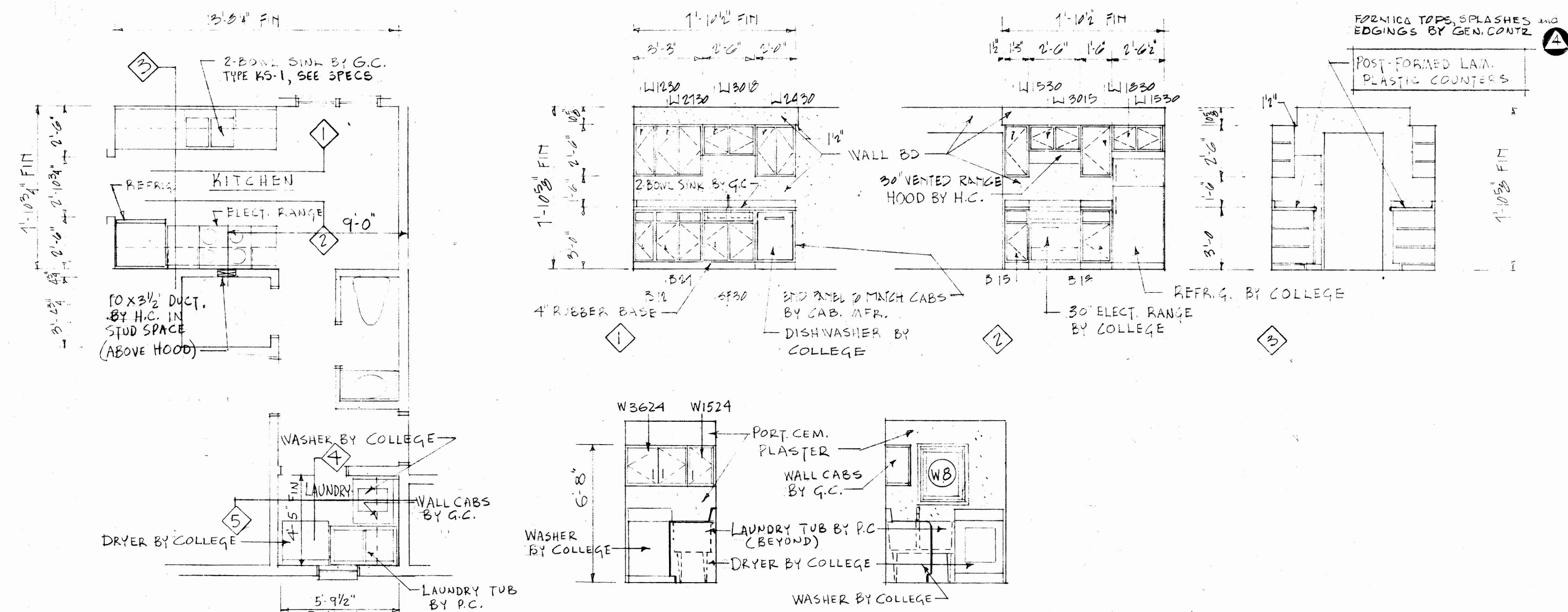




13  
3

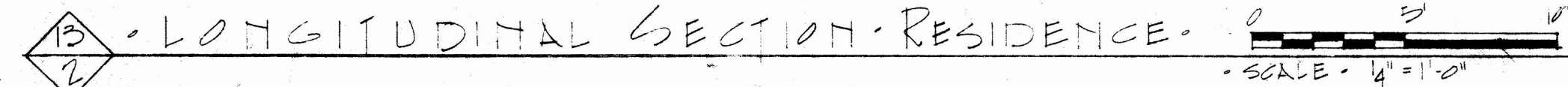
LONGITUDINAL SECTION. RESIDENCE.

0 5 10  
- 50' 10" 1' 0"

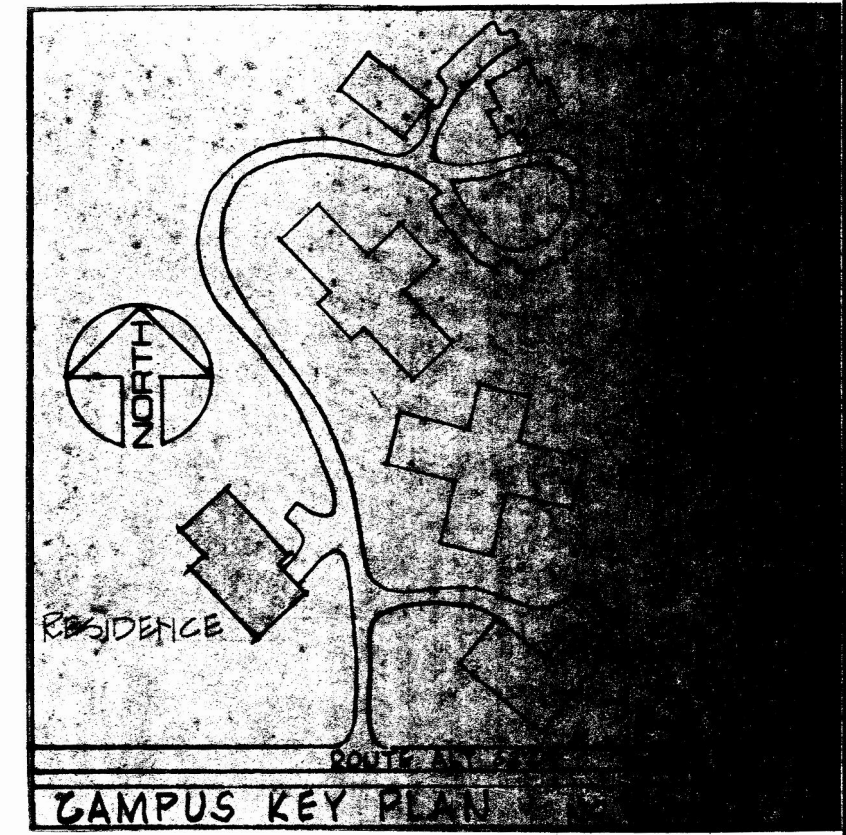


3 • KITCHEN & LAUNDRY • PLAN & ELEVATIONS • RESIDENCE • 0 5' 10'

4 ALL DIMENSIONS ARE FINISHED DIMENSIONS • SCALE: 1/4" = 1'-0"



**SECTION 3304. SLOPES FOR PERMANENT FILL SHALL NOT BE STEEPER THAN 50%. ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.**



NOTE:  
DIMENSIONS INDICATED ARE FOR REFERENCE ONLY.

[illegible]

## A circular professional seal for a Registered Architect in Pennsylvania. The outer ring contains the text "REGISTERED ARCHITECT" at the top and "PAENSYLVANIA" at the bottom. Inside the ring is a smaller circle containing a stylized building facade. Below the building, the name "MARK DAVID SHETMEYER" is written. To the right of the name is the number "8-012710". A signature is scrawled across the center of the seal.

PROFESSIONAL'S SIGNATURE \_\_\_\_\_ Date 2/28/2022 CONSULTANT'S SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

KCI TECHNOLOGIES, INC  
5001 LOUISE DRIVE, SUITE 201  
MECHANICSBURG, PA

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF GENERAL SERVICES  
HARRISBURG, PENNSYLVANIA

PROJECT NO. DGS 0404-0034, PHASE 001

# DEMOLITION OF MCKEEVER ENVIRONMENTAL CENTER

LAKE &amp; SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA

g. DIRECTOR'S HOME - ROOF PLAN, BLDG. SECTIONS, INT. DET.

FY     AU	DRAWN BY	DATE	DRAWING NO.  AR-5
	CHECKED BY	SCALE	

CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION

WITHOUT PROFESSIONAL & BUREAU  
OF CONSTRUCTION APPROVAL.

AR-5







- GENERAL DEMOLITION PERMIT NOTES:**

PA-UCC, 2015 IBC: CHAPTER 33, SAFEGUARDS  
DURING CONSTRUCTION.

-T 3306.1 PROTECTION OF PEDESTRIANS: HEIGHT MORE THAN 8 FEET.  
-DISTANCE FROM CONSTRUCTION TO LOT LINE: .. EXCEEDING  $\frac{1}{2}$  THE HEIGHT OF CONSTRUCTION.  
-TYPE OF PROTECTION REQUIRED: NONE.

### SECTION 3303, DEMOLITION

- BUILDINGS, PAVEMENT, AND UTILITIES WILL BE REMOVED AND CAPPED.
- LOT WILL BE FILLED AND GRADED TO THE LEVEL OF THE SURROUNDING SITE.
- FOUNDATIONS WILL BE REMOVED DOWN TO FOUR FEET (MINIMUM) BELOW GRADED LEVEL.
- ALL DEMOLITION IS FOR MCKEEVER ENVIRONMENTAL CENTER PROPERTY- APPLICABLE GOVERNING AUTHORITY IS M.E.C. FOR ALL UTILITY DISCONNECTIONS AND TERMINATIONS.

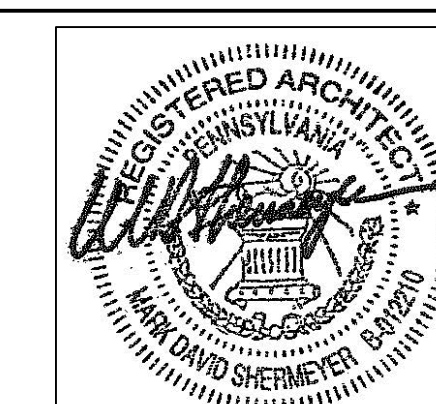
**SECTION 3304. SLOPES FOR PERMANENT FILL SHALL NOT BE STEEPER THAN 50%. ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.**

CONSTRUCTION DOCUMENTS 2/28/2022

NOTE:  
DIMENSIONS INDICATED ARE FOR REFERENCE ONLY

[illegible]

AS-BUILT REVISIONS



PROFESSIONAL'S SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_ CONSULTANT'S SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

KCI TECHNOLOGIES, INC.

5001 LOUISE DRIVE, SUITE 201  
MECHANICSBURG, PA

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF GENERAL SERVICES  
HARRISBURG, PENNSYLVANIA

PROJECT NO. DGS 0404-0034, PHASE 001

DEMOLITION OF MCKEEVER ENVIRONMENTAL CENTER
--

DIRECTOR'S HOME - WALL SECTIONS

VERIFY 5	DRAWN BY	DATE	DRAWING NO.  AR-7
	CHECKED BY	SCALE	

**VERIFY SCALE**

BAR IS ONE (1) INCH LONG

ON ORIGINAL DRAWING:

0 1

IF BAR IS NOT ONE(1) INCH LONG  
ADJUST SCALE ACCORDINGLY

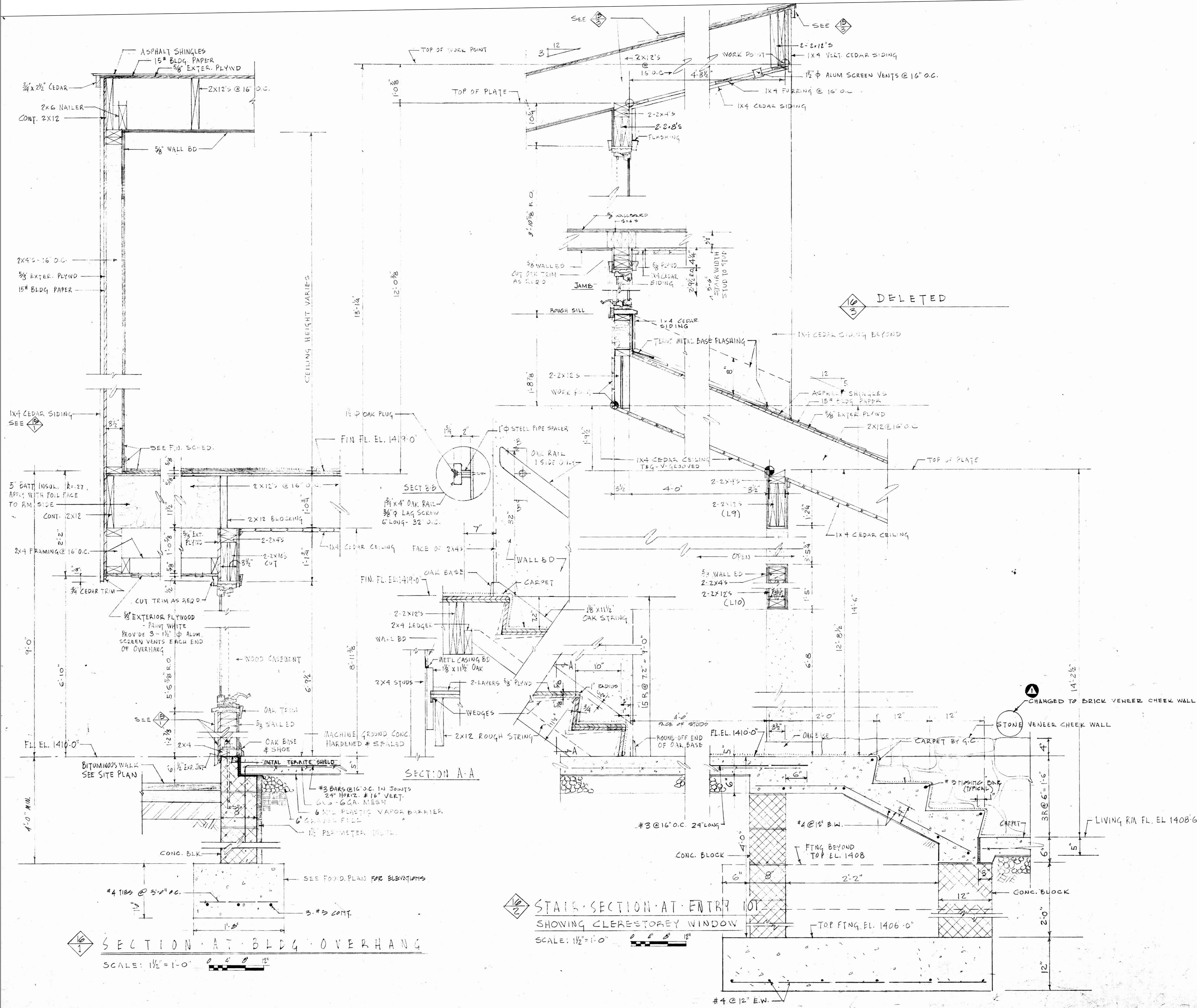
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS

**VARIANCE FROM CONTRACT  
DOCUMENTS NOT PERMITTED**

WITHOUT PROFESSIONAL & BUREAU  
OF CONSTRUCTION APPROVAL.

CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION





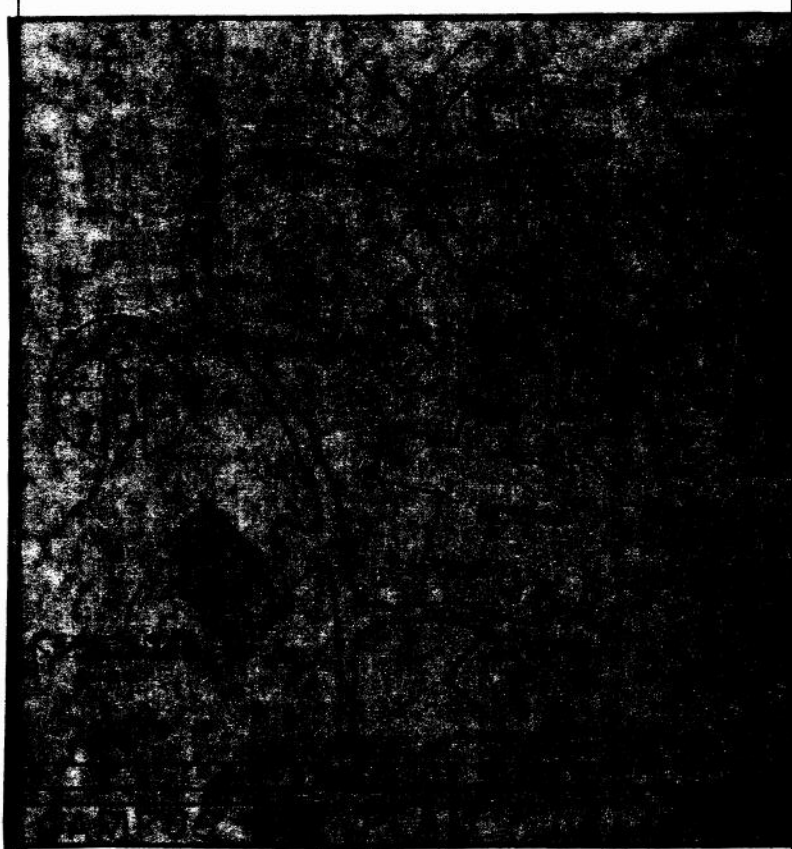
### GENERAL NOTES

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY CONTRACTOR AT THE SITE.

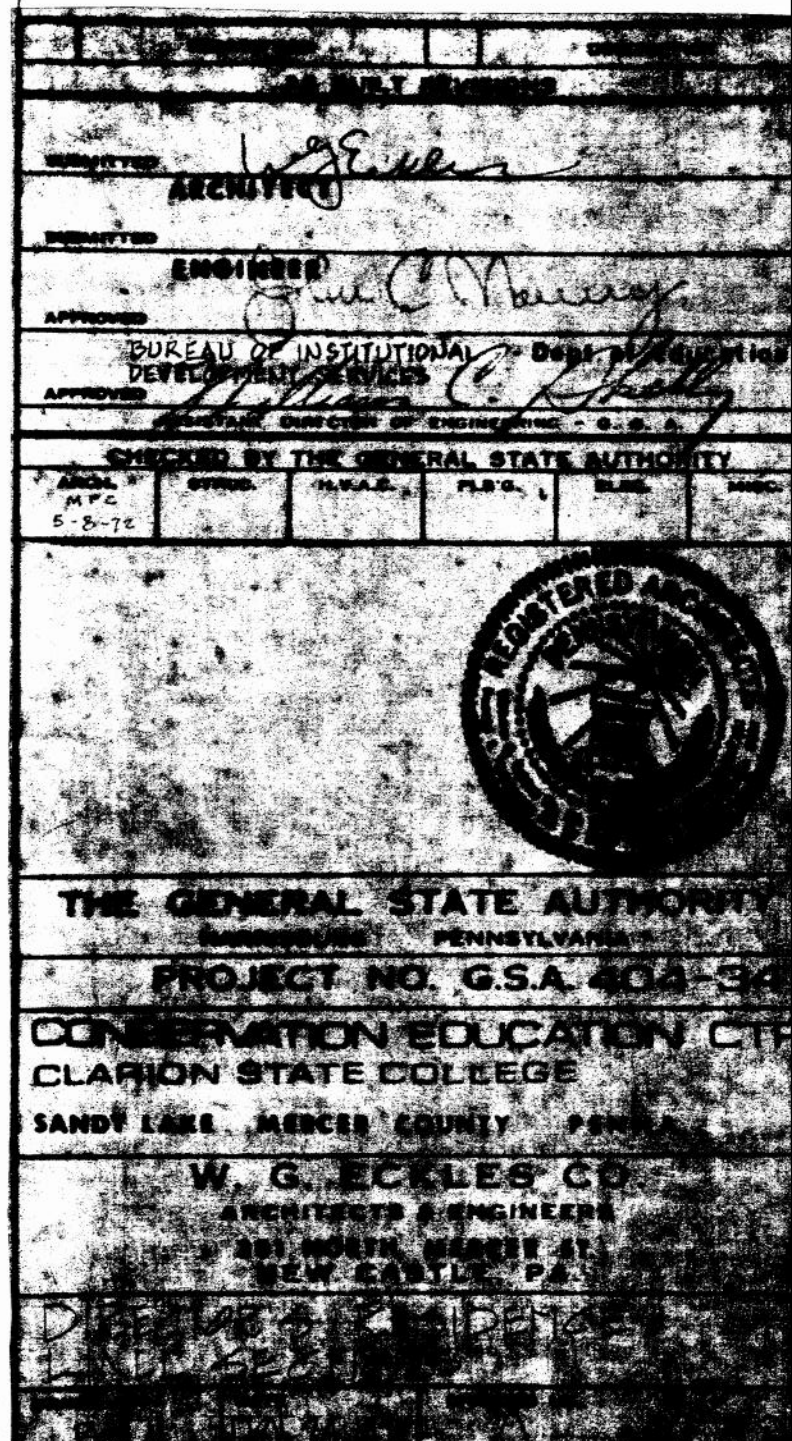
- GENERAL NOTES:**
- SUFFIX "R" SERIES DRAWINGS ARE FOR REFERENCE ONLY. THEY ARE COPIES OF ORIGINAL CONSTRUCTION DRAWINGS FOR MCKEEVER ENVIRONMENTAL CENTER. DIMENSIONS ON THESE DRAWINGS ARE NOT VERIFIED. INVESTIGATE AREAS BEFORE DEMOLITION TO VERIFY THE ACTUAL CONSTRUCTION MATERIALS AND EQUIPMENT TYPES.
  - ASSUME THAT WALLS WITH SOIL EMBANKMENT ON ONE SIDE ARE RETAINING WALLS AND, IF REMOVED, THE EMBANKMENT MUST BE STABILIZED BY SOME MEANS TO PREVENT COMPROMISING EXISTING STRUCTURES. DO NOT STORE MATERIALS OUTSIDE OF FENCED AREA.
  - SUBSURFACE INVESTIGATION FOR UTILITIES HAS NOT BEEN PERFORMED. MCKEEVER ENVIRONMENTAL CENTER FACILITIES STAFF ARE UNAWARE OF UTILITIES OTHER THAN THOSE SHOWN ON DRAWINGS.
  - DEMOLITION INCLUDES REMOVAL OF ALL FIXED AND LOOSE ITEMS WITHIN THE L.O.C. AREA. PROPER DISPOSAL OF ANY GASES OR LIQUIDS DISCOVERED WITHIN THE BUILDING AND REMOVAL OF ALL UTILITIES BACK TO MANHOLE, SHUT-OFF VALVE OR LOCATION NAMED ON DRAWINGS.
  - DAMAGES TO ANY SITE STRUCTURES THAT ARE NOT PART OF DEMOLITION MUST BE RESTORED TO SAME OR BETTER CONDITION.

### GENERAL DEMOLITION PERMIT NOTES:

- PA.UCC. 2015 IBC: CHAPTER 33, SAFEGUARDS DURING CONSTRUCTION.**
- 3306.1 PROTECTION OF PEDESTRIANS:** HEIGHT MORE THAN 8 FEET  
-DISTANCE FROM CONSTRUCTION TO LOT LINE: ... EXCEEDING THE HEIGHT OF CONSTRUCTION.  
-TYPE OF PROTECTION REQUIRED: NONE.
- SECTION 3303, DEMOLITION.**
- BUILDINGS, PAVEMENT, AND UTILITIES WILL BE REMOVED AND CAPPED.  
-LOT WILL BE FILLED AND GRADED TO THE LEVEL OF THE SURROUNDING SITE.  
-FOUNDATIONS WILL BE REMOVED DOWN TO FOUR FEET (MINIMUM) BELOW GRADED LEVEL.  
-ALL DEMOLITION IS FOR MCKEEVER ENVIRONMENTAL CENTER PROPERTY.  
-APPLICABLE GOVERNING AUTHORITY IS M.E.C. FOR ALL UTILITY DISCONNECTIONS AND TERMINATIONS.
- SECTION 3304, SLOPES FOR PERMANENT FILL**  
SHALL NOT BE STEEPER THAN 50%.  
ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.



REVISED  
AS BUILT 3-28-14



### CONSTRUCTION DOCUMENTS 2/28/2022

NOTE: DIMENSIONS INDICATED ARE FOR REFERENCE ONLY.

DESCRIPTION	DESCRIPTION

### AS-BUILT REVISIONS

PROFESSIONAL'S SIGNATURE		CONSULTANT'S SIGNATURE	
DATE		DATE	

### KCI TECHNOLOGIES, INC.

5001 LOUISE DRIVE, SUITE 201  
MECHANICSBURG, PA

### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES

PROJECT NO. DGS 0404-0034, PHASE 001

### DEMOLITION OF MCKEEVER ENVIRONMENTAL CENTER

LAKE & SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA

DIRECTOR'S HOME - DETAILS

DRAWN BY	DATE	DRAWING NO.
CHECKED BY	SCALE	AR-8

### VERIFY SCALE

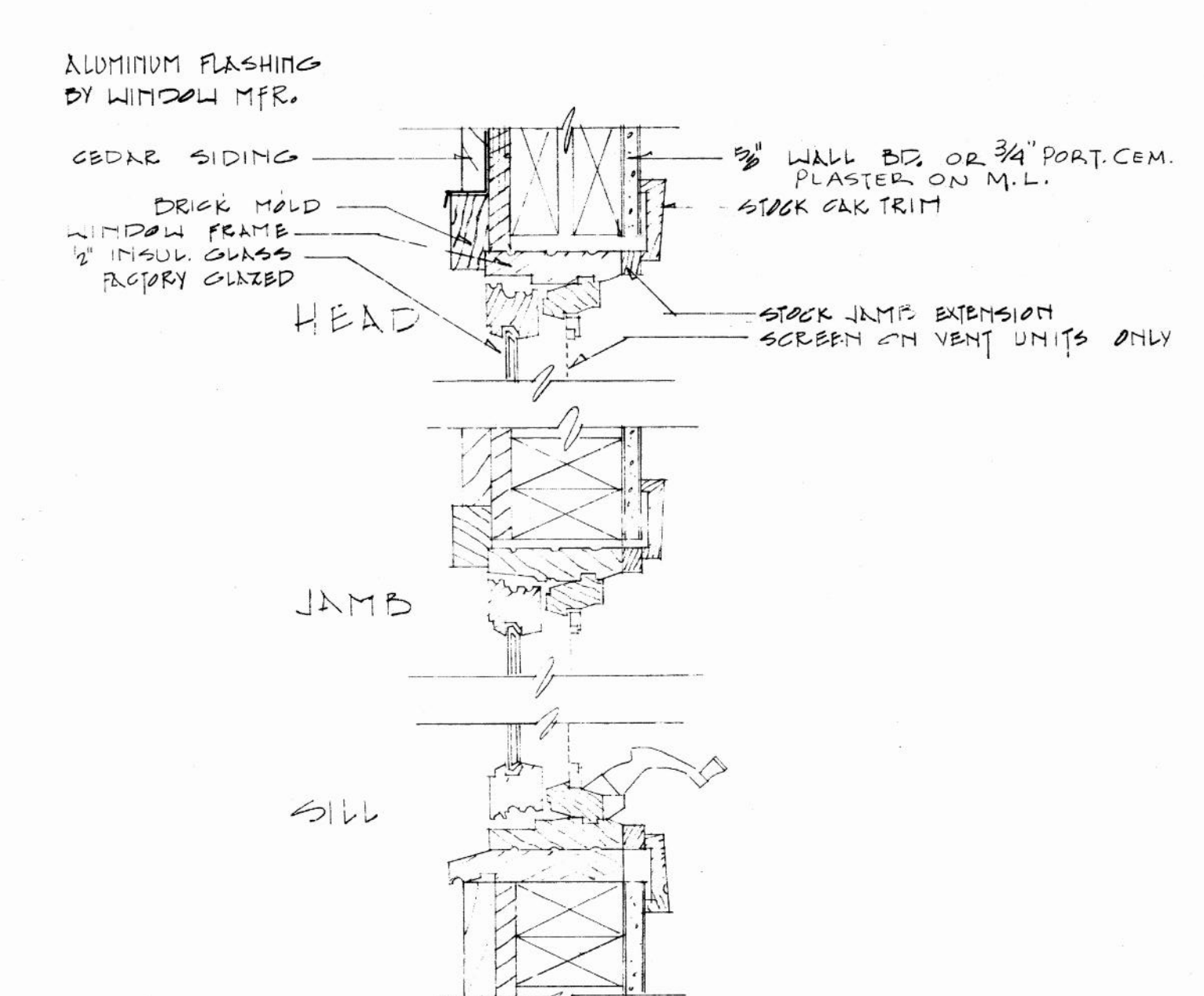
BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING:

0 1

IF BAR IS NOT ONE (1) INCH LONG,  
ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY  
ALL DIMENSIONS.  
VARIANCE FROM CONTRACT  
DOCUMENTS NOT PERMITTED  
WITHOUT PROFESSIONAL & BUREAU  
OF CONSTRUCTION APPROVAL.

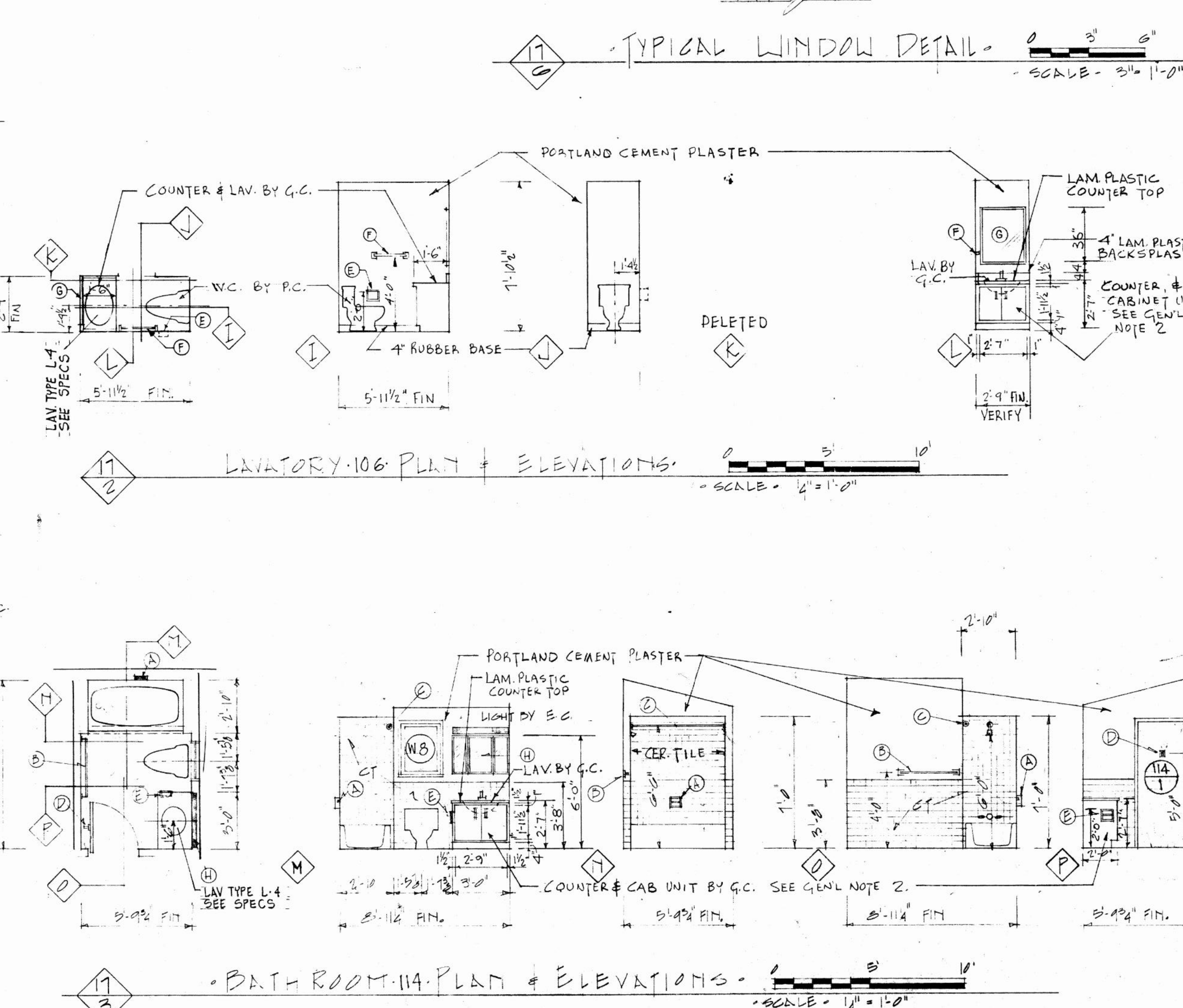




**GENERAL NOTES:**

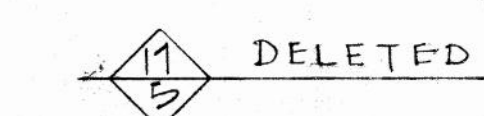
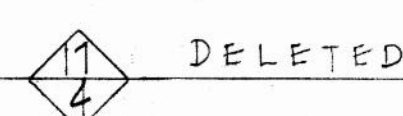
1. SUFFIX " R " SERIES DRAWINGS ARE FOR REFERENCE ONLY. THEY ARE COPIES OF ORIGINAL CONSTRUCTION DRAWINGS FOR MCKEEVER ENVIRONMENTAL CENTER. DIMENSIONS ON THESE DRAWINGS ARE NOT VERIFIED. INVESTIGATE AREAS BEFORE DEMOLITION TO VERIFY THE ACTUAL CONSTRUCTION MATERIALS AND EQUIPMENT TYPES.
2. ASSUME THAT WALLS WITH SOIL EMBANKMENT ON ONE SIDE ARE RETAINING WALLS. AFTER REMOVED, THE EMBANKMENT MUST BE STABILIZED BY SOME MEANS TO PREVENT COMPROMISING EXISTING STRUCTURES.
3. DO NOT STORE MATERIALS OUTSIDE OF FENCED AREA.
4. SUBSURFACE INVESTIGATION FOR UTILITIES HAS NOT BEEN PERFORMED. MCKEEVER ENVIRONMENTAL CENTER FACILITIES STAFF ARE UNAWARE OF UTILITIES OTHER THAN THOSE SHOWN ON DRAWINGS.
5. DEMOLITION INCLUDES REMOVAL OF ALL FIXED AND LOOSE ITEMS WITHIN THE L.O.C AREA, PROPER DISPOSAL OF ANY GASES OR LIQUIDS DISCOVERED WITHIN THE BUILDING AND THE REMOVAL OF UTILITIES BACK TO MANHOLE, SHUT-OFF VALVE OR LOCATION NAMED ON DRAWINGS.
6. DAMAGES TO ANY SITE STRUCTURES THAT ARE NOT PART OF DEMOLITION MUST BE RESTORED TO SAME OR BETTER CONDITION.

CONSTRUCTION DOCUMENTS 2/ 28/ 2022



PRECEDENCE	ITEM	SIZE	REMARKS
(A)	409	SOAP & GLASS DNR	50" DIA X 60"
(A)	449T	TUBEL SHD	30" LONG
(C)		1" POLYURETHANE CORDING RND	
(C)	482T	BRIDLE HORN	
(A)	415	PIST PRSE HANDLE	34" LONG
(A)	449T	TUBEL SHD	34" LONG
(C)		MIRROR	30" DIA X 18"
(A)	043A	MEDICINE GRINDER	30" DIA"

HALLMARK: CANN. OHIO CATALOG NOS SHOWN - EXCEPT FOR ITEM (H)  
SEE NOTE 4 - GENERAL NOTES



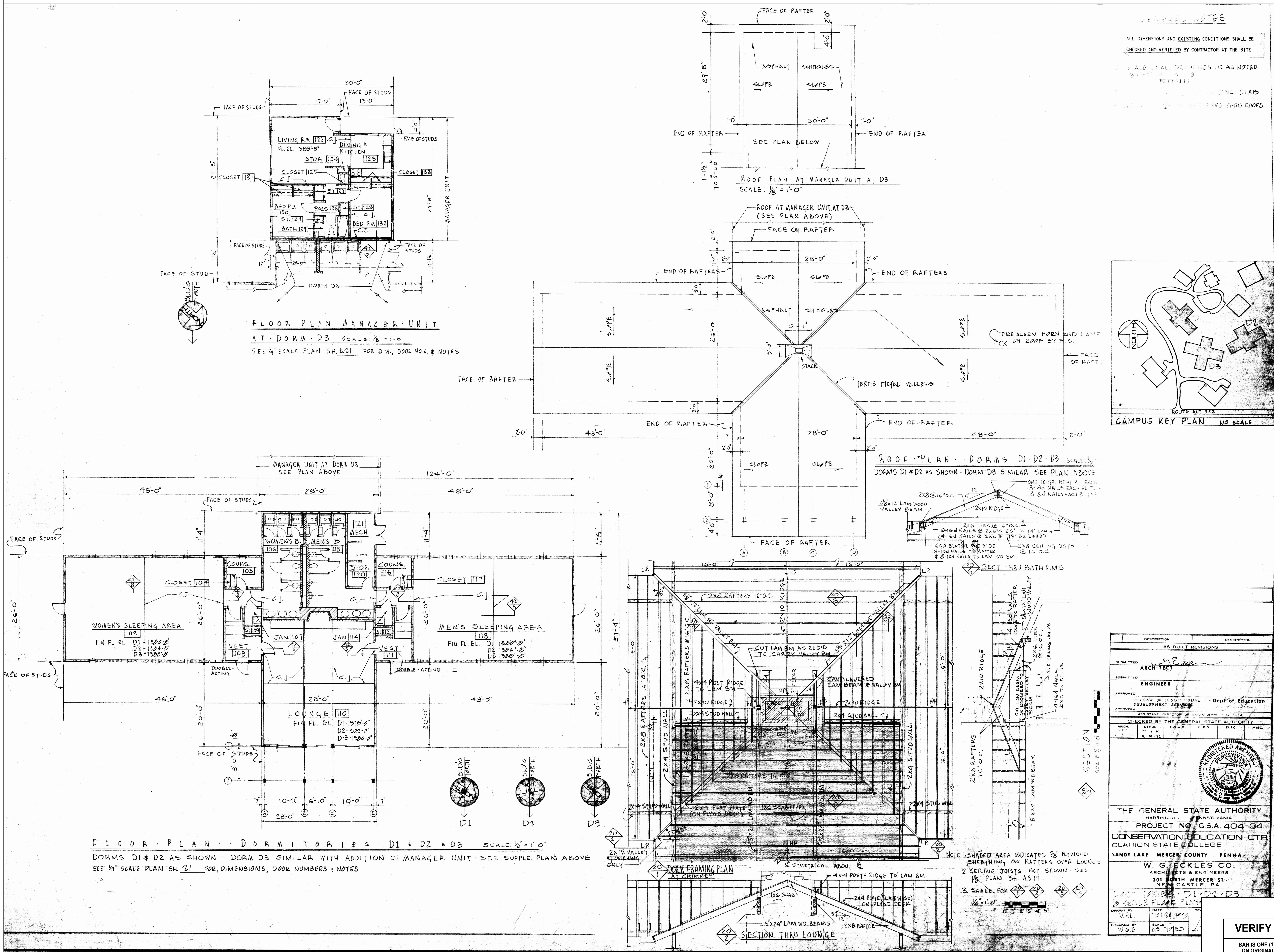
<p align="center"><b>KCI TECHNOLOGIES, INC.</b>  5001 LOUISE DRIVE, SUITE 201  MECHANICSBURG, PA</p>		
<p align="center"><b>COMMONWEALTH OF PENNSYLVANIA  DEPARTMENT OF GENERAL SERVICES  HARRISBURG, PENNSYLVANIA</b></p>		
<p align="center"><b>PROJECT NO. DGS 0404-0034, PHASE 001</b></p>		
<p align="center"><b>DEMOLITION OF MCKEEVER  ENVIRONMENTAL CENTER</b></p>		
<p align="center"><b>LAKE &amp; SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA</b></p>		
<p align="center"><b>DIRECTOR'S HOME – MISC. DETAILS + WINDOW SCHEDULE</b></p>		
DRAWN BY	DATE	DRAWING NO.
CHECKED BY	SCALE	

AR-9





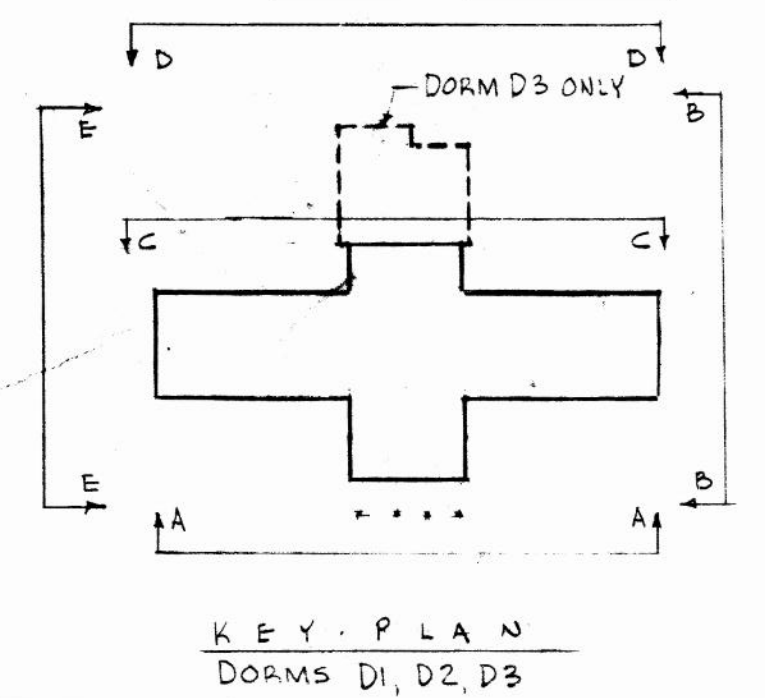








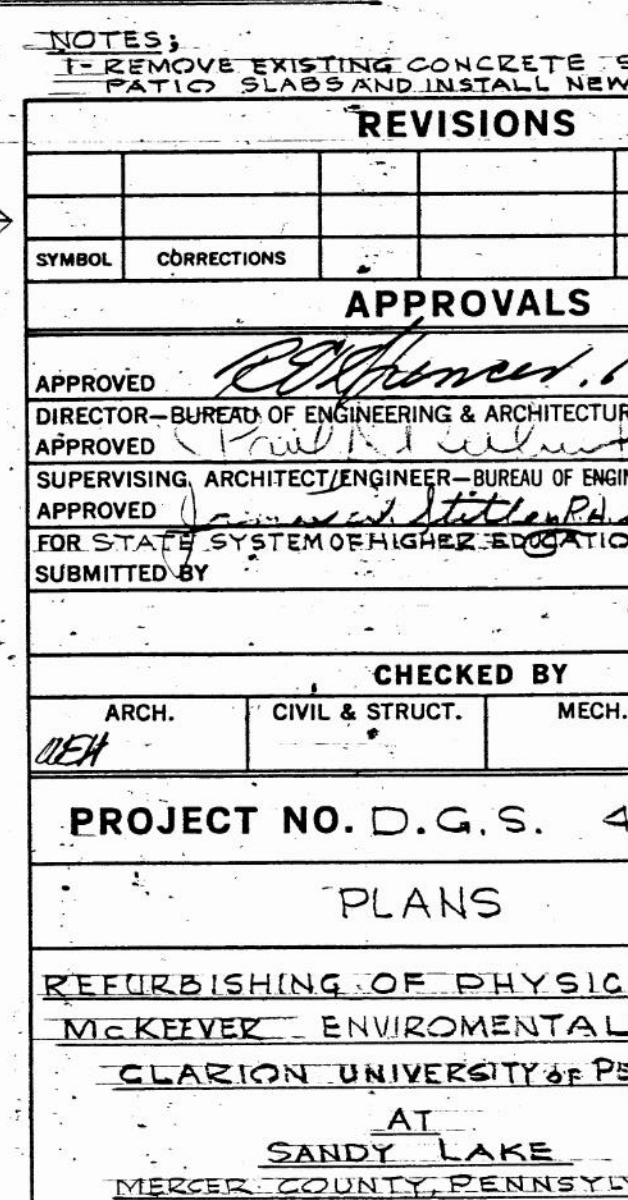
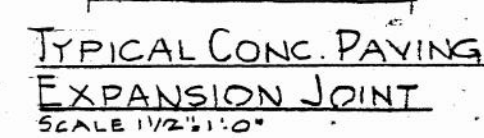
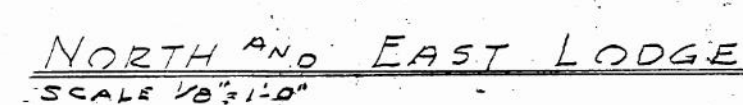
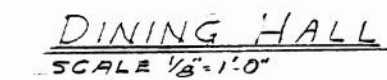
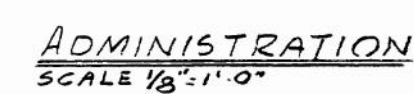












**GENERAL DEMOLITION PERMIT NOTES:**

**PA-UCC, 215 IBC: CHAPTER 33, SAFEGUARDS  
DURING CONSTRUCTION.**

**T 3306.1. PROTECTION OF PEDESTRIANS: HEIGHT  
MORE THAN 8 FEET.**  
DISTANCE FROM CONSTRUCTION TO LOT LINE: \_\_\_\_\_  
EXCEEDING J THE HEIGHT OF CONSTRUCTION.  
-TYPE OF PROTECTION REQUIRED: NONE.

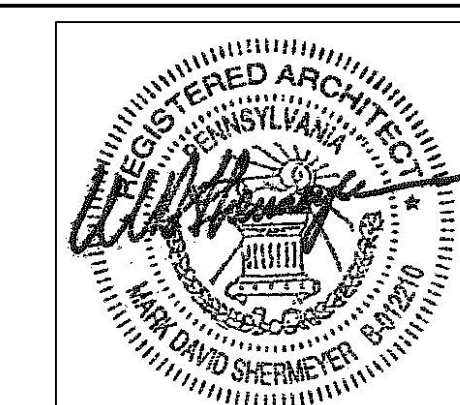
**SECTION 3303. DEMOLITION.**

BUILDINGS, PAVEMENT, AND UTILITIES WILL BE  
REMOVED AND CAPPED.  
-LOT WILL BE FILLED AND GRADED TO THE LEVEL  
OF THE SURROUNDING SITE.  
FOUNDATIONS WILL BE REMOVED DOWN TO  
FOUR FEET (MINIMUM) BELOW GRADED LEVEL.  
ALL DEMOLITION IS FOR MCKEEVER  
ENVIRONMENTAL CENTER PROPERTY.  
-APPROPRIATE GOVERNING AUTHORITY IS M.E.C.  
FOR ALL UTILITY DISCONNECTIONS AND  
TERMINATIONS.

**SECTION 3304. SLOPES FOR PERMANENT FILL  
SHALL NOT BE STEEPER THAN 50%.**  
ALL SITES SHALL BE SURROUNDED BY 8' CHAIN  
LINK FENCE. MINIMUM DISTANCE TO A BUILDING  
SHALL BE 20 FEET.

[illegible][illegible]

### AS-BUILT REVISIONS



PROFESSIONAL'S SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_ CONSULTANT'S SIGNATURE \_\_\_\_\_ Date 2/28/2022

KCI TECHNOLOGIES, INC.  
5001 LOUISE DRIVE, SUITE 201  
MECHANICSBURG, PA

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF GENERAL SERVICES  
HARRISBURG, PENNSYLVANIA

PROJECT NO. DGS 0404-0034, PHASE 001

DEMOLITION OF MCKEEVER  
ENVIRONMENTAL CENTER

DORMITORIES ROOF PLANS

VERIFY	DRAWN BY	DATE	DRAWING NO.
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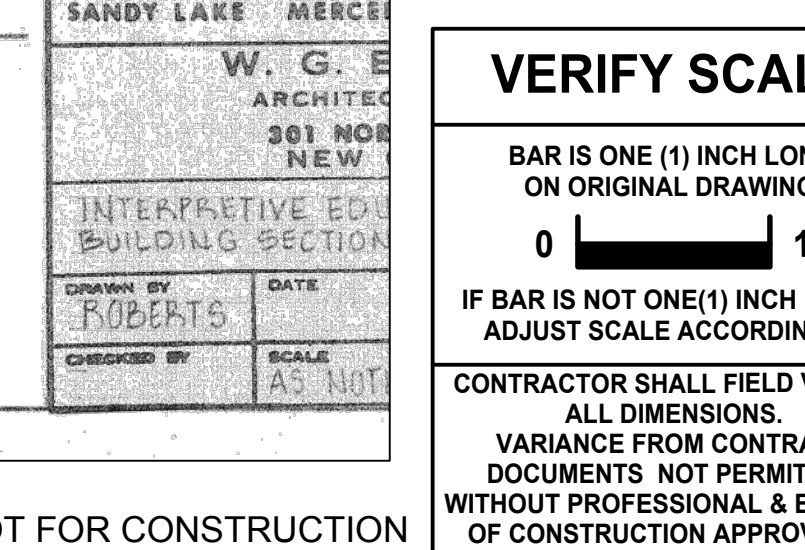
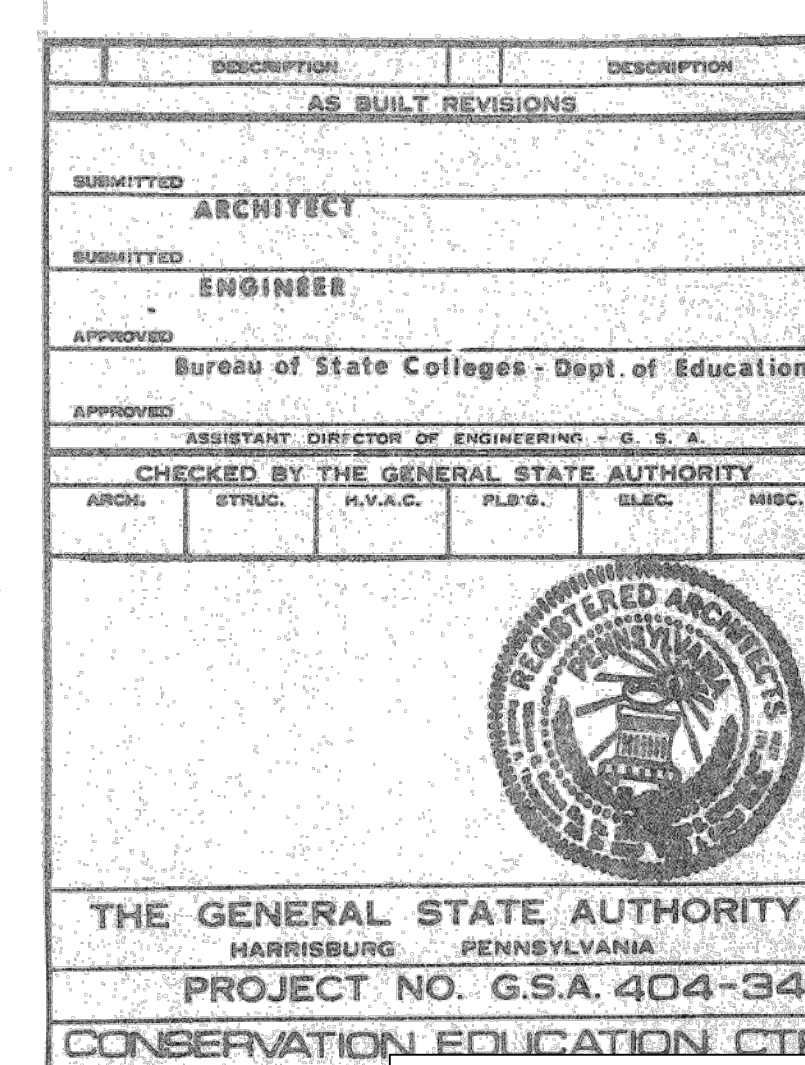
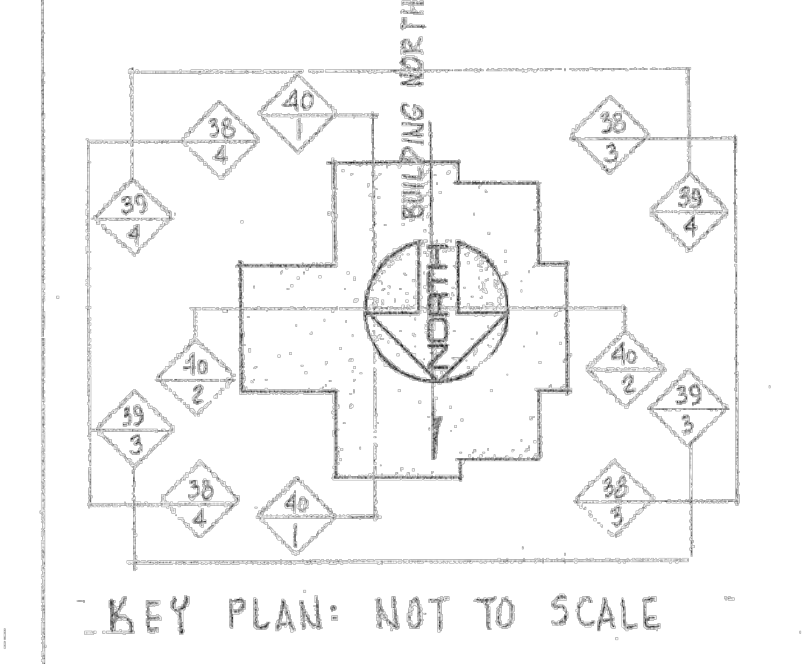
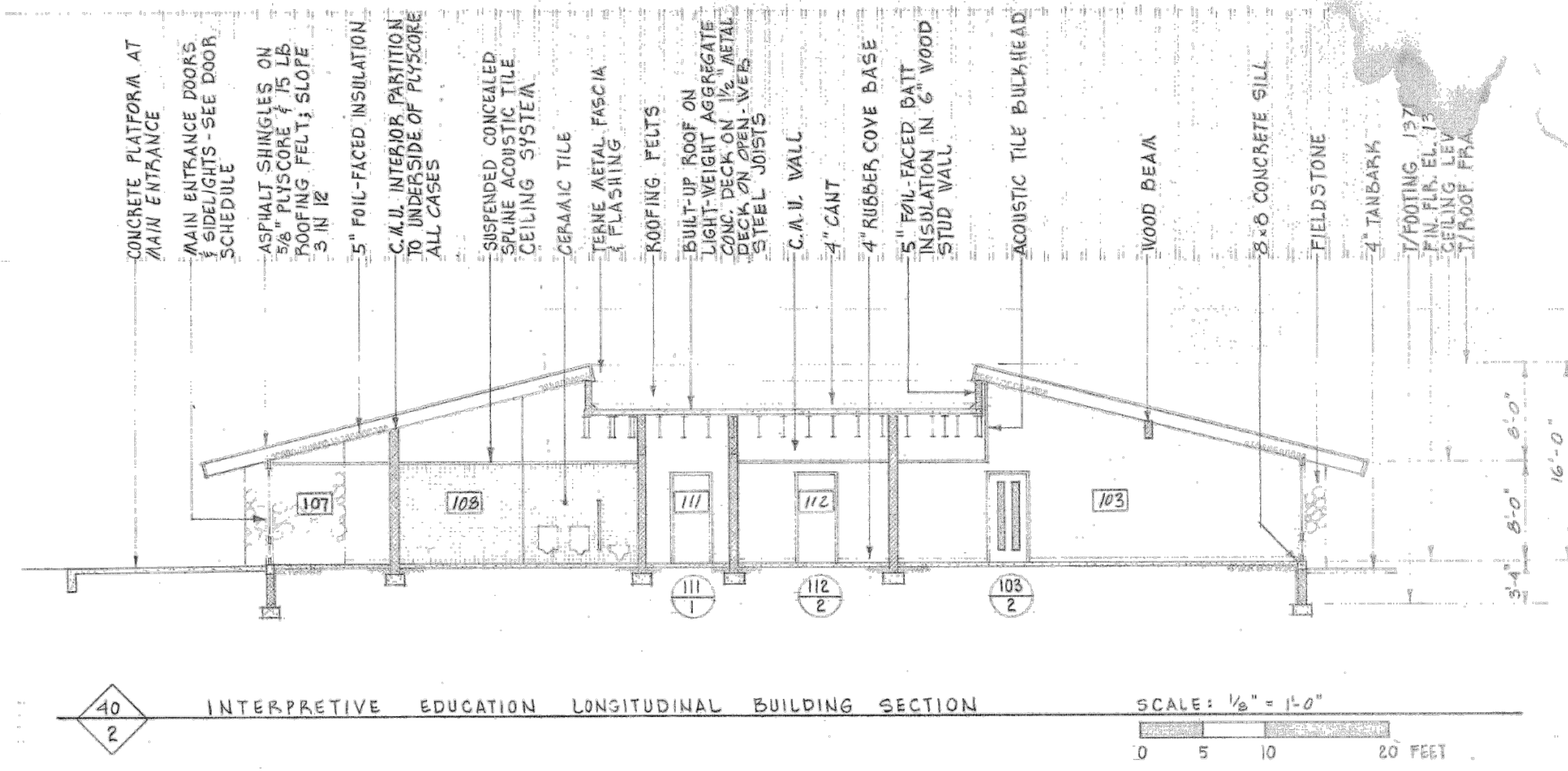
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11.			
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AR-15

CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION





**GENERAL DEMOLITION PERMIT NOTES:**

**PA-UCG, 2015 IBC: CHAPTER 33, SAFEGUARDS DURING CONSTRUCTION.**

**-T 3306.1 PROTECTION OF PEDESTRIANS: HEIGHT MORE THAN 8 FEET.**

**-DISTANCE FROM CONSTRUCTION TO LOT LINE : EXCEEDING 3' THE HEIGHT OF CONSTRUCTION.**

**-TYPE OF PROTECTION REQUIRED: NONE.**

**SECTION 3303, DEMOLITION.**

**-BUILDINGS, PAVEMENT, AND UTILITIES WILL BE REMOVED AND CAPPED.**

**-LOT WILL BE FILLED AND GRADED TO THE LEVEL OF THE SURROUNDING SITE.**

**-FOUNDATIONS WILL BE REMOVED DOWN TO FOUR FEET (MINIMUM) BELOW GRADED LEVEL.**

**-ALL DEMOLITION IS FOR MCKEEVER ENVIRONMENTAL CUSTODY PROPERTY.**

**-APPLICABLE GOVERNING AUTHORITY IS M.E.C. FOR ALL UTILITY DISCONNECTIONS AND TERMINATIONS.**

**SECTION 3304. SLOPES FOR PERMANENT FILL**

**SITE SHALL NOT BE STEEPER THAN 50%.**

**-FILL SHALL BE SUBSTANTIALLY BUILT BY 8" CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.**

NOTE:  
DIMENSIONS INDICATED ARE FOR REFERENCE ONLY

[illegible]

## The seal is circular with "REGISTERED ARCHITECT" at the top and "PENNSYLVANIA" below it. In the center is a classical building facade. A signature is written across the seal. At the bottom, it reads "DAVID DAVID SHERMAN P.E." and "000008679".

5001 LOUISE DRIVE, SUITE 201  
MECHANICSBURG, PA

PROJECT NO. DGS 0404-0034, PHASE 001

EDUCATION CENTER BUILDING + WALL SECTIONS

BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING:

0  1

IF BAR IS NOT ONE(1) INCH LONG

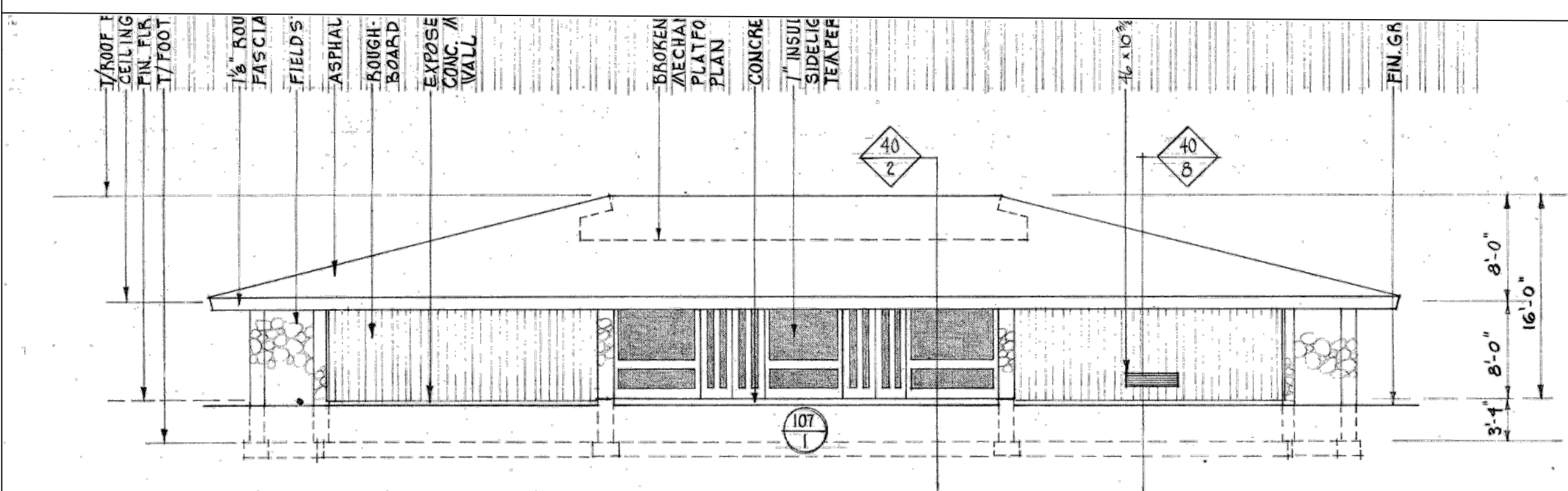
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.  
VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUILDING DEPARTMENT OF CONSTRUCTION APPROVAL.

Y	DRAWN BY	DATE	DRAWING NO.
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CHECKED BY	SCALE	AR-16
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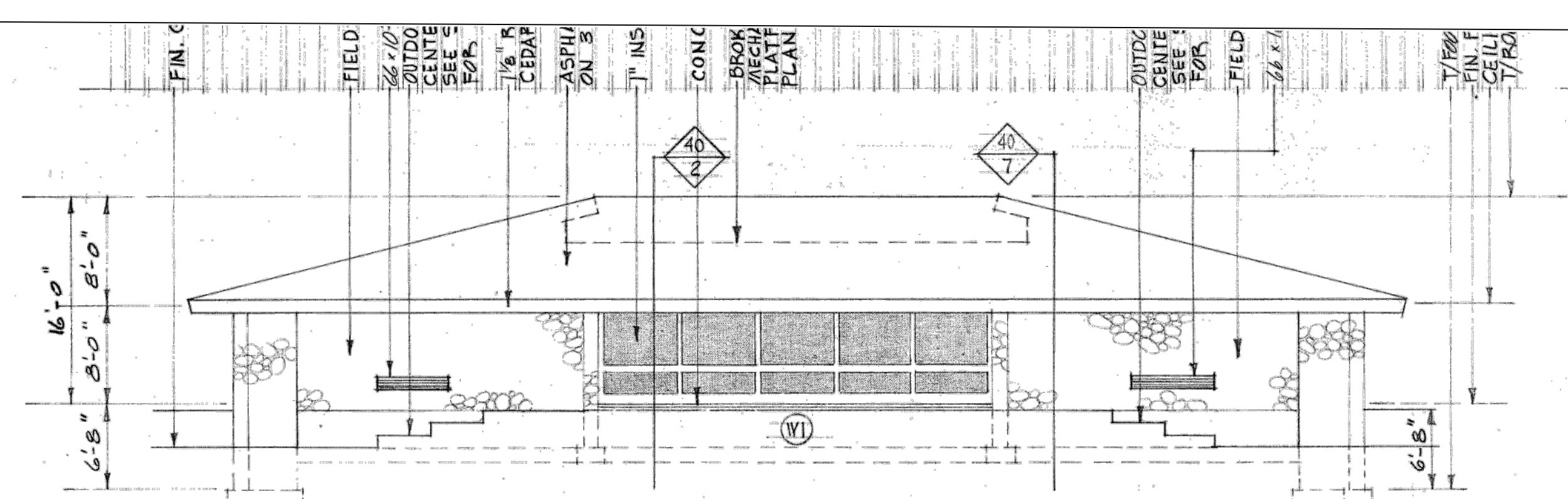
AR-16





30 3 INTERPRETIVE EDUCATION WEST ELEVATION  
(SHOWING MAIN ENTRANCE DOORS)

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

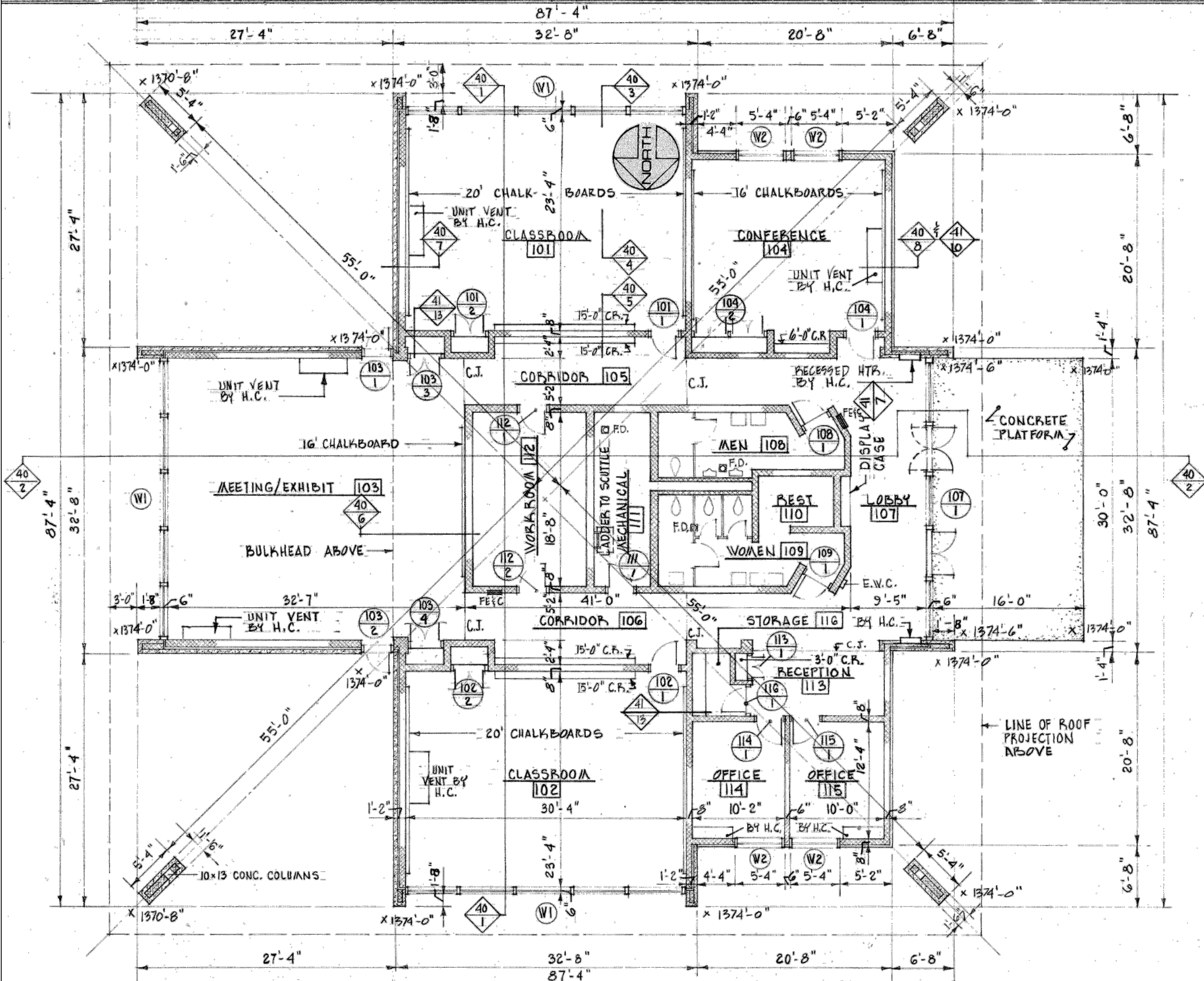


30 4 INTERPRETIVE EDUCATION EAST ELEVATION

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

SPACE NAME	NO.	FLOOR	* BASE	* MAINSCOT	* WALL	* STUOL	* CEILING	* CL. HT.	REMARKS
CLASSROOM	101	H. CONC.	RUB. 2	-	C.M.U. 3	-	WOOD 4	VARIES FROM 8'-3" TO 14'-0"	
CLASSROOM	102	H. CONC.	RUB. 2	-	C.M.U. 3	-	WOOD 4	VARIES FROM 8'-3" TO 14'-0"	
MEETING/EXHIBIT	103	H. CONC.	RUB. 2	-	C.M.U. 3	-	WOOD 4	VARIES FROM 8'-3" TO 14'-0"	
CONFERENCE	104	CARPET	RUB. 9	-	C.M.U. 3	-	AC. TILE 6	8'-0"	
CORRIDOR	105	H. CONC.	RUB. 2	-	C.M.U. 3	-	AC. TILE 6	8'-0"	
CORRIDOR	106	H. CONC.	RUB. 2	-	C.M.U. 3	-	AC. TILE 6	8'-0"	
LOBBY	107	H. CONC.	RUB. 2	-	C.M.U. 3	-	AC. TILE 6	8'-0"	
MEN	108	CER. T.	CER. T. 8	-	CER. T. 8	-	AC. TILE 6	8'-0"	RECESS SLAB TO RECEIVE CER. TILE
WOMEN	109	CER. T.	CER. T. 8	-	CER. T. 8	-	AC. TILE 6	8'-0"	RECESS SLAB TO RECEIVE CER. TILE
REST	110	CER. T.	CER. T. 8	-	CER. T. 8	-	AC. TILE 6	8'-0"	RECESS SLAB TO RECEIVE CER. TILE
MECHANICAL	111	H. CONC.	RUB. 2	-	C.M.U. 3	-	AC. TILE 6	8'-0"	EXPOSED STEEL JOISTS & DECK-PAINT WHITE
WORKROOM	112	H. CONC.	RUB. 2	-	C.M.U. 3	-	AC. TILE 6	8'-0"	
RECEPTION	113	CARPET	RUB. 9	-	C.M.U. 3	-	AC. TILE 6	8'-0"	
OFFICE	114	CARPET	RUB. 9	-	C.M.U. 3	-	AC. TILE 6	8'-0"	
OFFICE	115	CARPET	RUB. 9	-	C.M.U. 3	-	AC. TILE 6	8'-0"	
STORAGE	116	H. CONC.	RUB. 9	-	C.M.U. 3	-	AC. TILE 6	8'-0"	

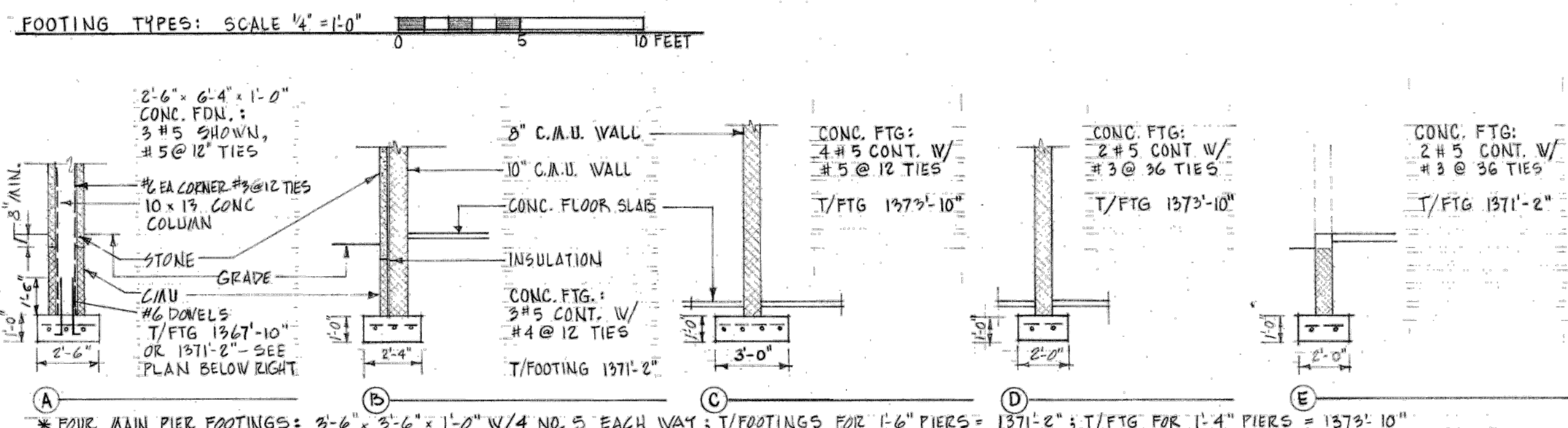
ASTERISK ON THIS SCHEDULE - REFER TO MATERIAL SCHEDULE SH. A-41



30 1 INTERPRETIVE EDUCATION PLAN

(SEE 1/4" SCALE PLAN 4 FOR EQUIPMENT & DIMENSIONS IN ROOMS 108, 109, 110, 111 & 112)

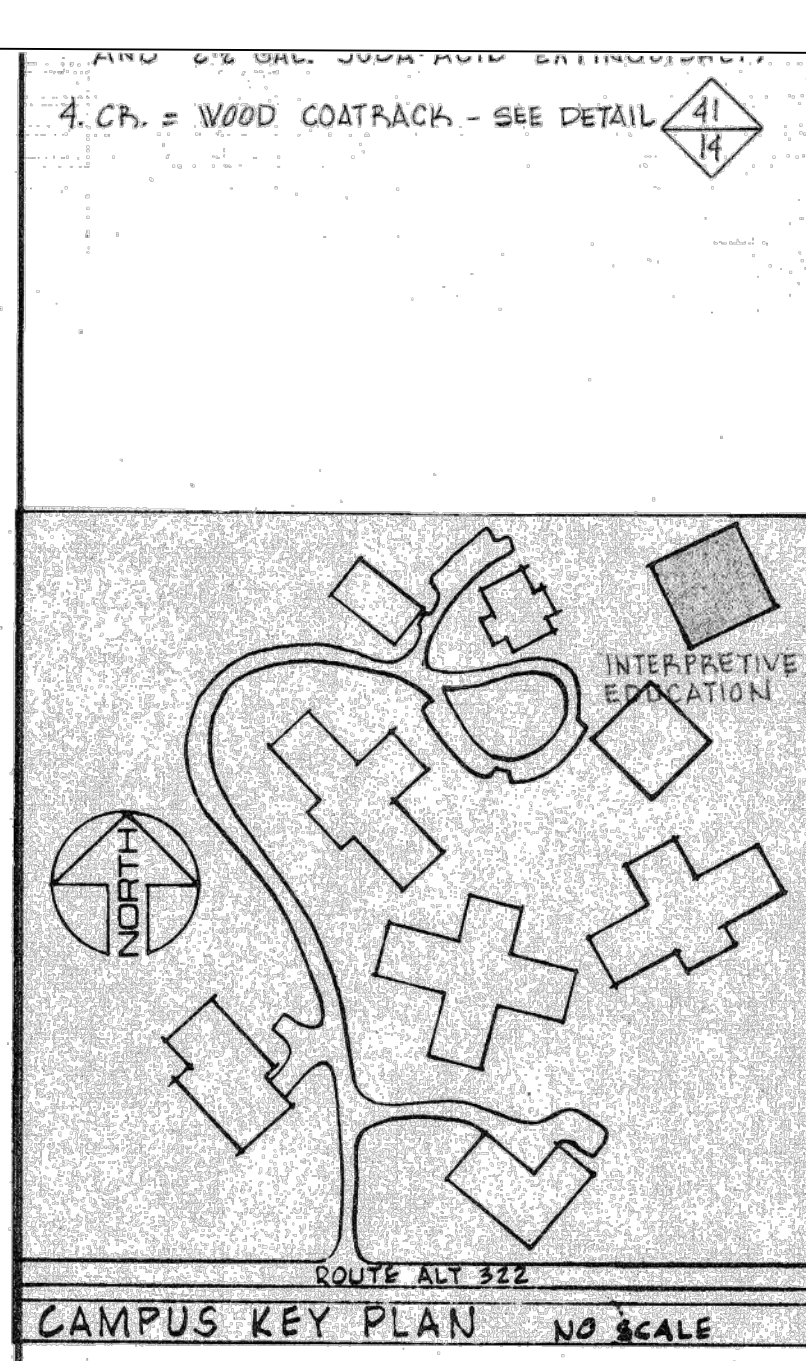
SCALE: 1/8" = 1'-0"



30 2 INTERPRETIVE EDUCATION FOUNDATION WALL PLAN

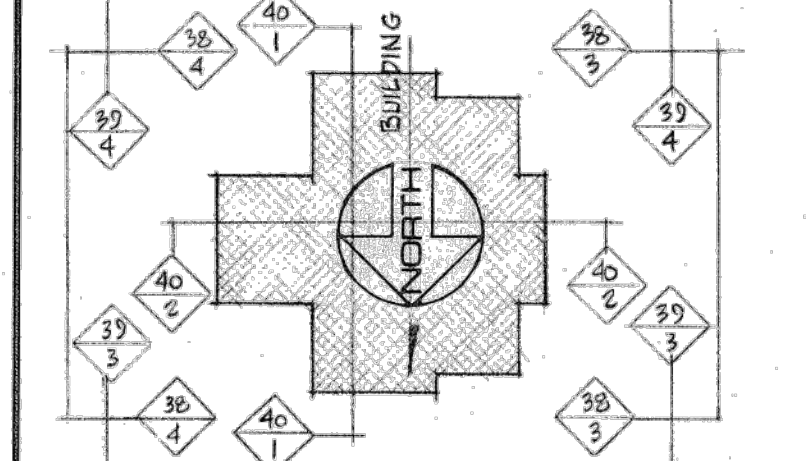
(BROKEN LINES INDICATE REINFORCED CONCRETE FOOTINGS)

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



CAMPUS KEY PLAN

NO SCALE



KEY PLAN: NOT TO SCALE

- GENERAL NOTES:**
- SUFFIX "R" SERIES DRAWINGS ARE FOR REFERENCE ONLY. THEY ARE COPIES OF ORIGINAL CONSTRUCTION DRAWINGS FOR MCKEEVER ENVIRONMENTAL CENTER. DIMENSIONS ON THESE DRAWINGS ARE NOT VERIFIED. INVESTIGATE AREAS BEFORE DEMOLITION TO VERIFY THE ACTUAL CONSTRUCTION MATERIALS AND EQUIPMENT TYPES.
  - ASSUME THAT WALLS WITH SOIL EMBANKMENT ON ONE SIDE ARE RETAINING WALLS AND, IF REMOVED, THE EMBANKMENT MUST BE STABILIZED BY SOME MEANS TO PREVENT COMPROMISING EXISTING STRUCTURES. DO NOT STORE MATERIALS OUTSIDE OF FENCED AREA.
  - SUBSURFACE INVESTIGATION FOR UTILITIES HAS NOT BEEN PERFORMED. MCKEEVER ENVIRONMENTAL CENTER FACILITIES STAFF ARE UNAWARE OF UTILITIES OTHER THAN THOSE SHOWN ON DRAWINGS.
  - DEMOLITION INCLUDES REMOVAL OF ALL FIXED AND LOOSE ITEMS WITHIN THE L.O.C. AREA. PROPER DISPOSAL OF ANY GASES OR LIQUIDS DISCOVERED WITHIN THE BUILDING AND REMOVAL OF ALL UTILITIES BACK TO MANHOLE, SHUT-OFF VALVE OR LOCATION NAMED ON DRAWINGS.
  - DAMAGES TO ANY SITE STRUCTURES THAT ARE NOT PART OF DEMOLITION MUST BE RESTORED TO SAME OR BETTER CONDITION.

**GENERAL DEMOLITION PERMIT NOTES:**

PA.UCC. 2015 IBC: CHAPTER 33, SAFEGUARDS DURING CONSTRUCTION.

T 3306.1 PROTECTION OF PEDESTRIANS: HEIGHT MORE THAN 8 FEET.

DISTANCE FROM CONSTRUCTION TO LOT LINE: EXCEEDING THE HEIGHT OF CONSTRUCTION.

TYPE OF PROTECTION REQUIRED: NONE.

**SECTION 3303, DEMOLITION.**

BUILDINGS, PAVEMENT, AND UTILITIES WILL BE REMOVED AND CAPPED.

LOT WILL BE FILLED AND GRADED TO THE LEVEL OF THE SURROUNDING SITE.

FOUNDATIONS WILL BE REMOVED DOWN TO FOUR FEET (MINIMUM) BELOW GRADED LEVEL.

ALL DEMOLITION IS FOR MCKEEVER ENVIRONMENTAL CENTER PROPERTY.

APPLICABLE GOVERNING AUTHORITY IS M.E.C. FOR ALL UTILITY DISCONNECTIONS AND TERMINATIONS.

**SECTION 3304, SLOPES FOR PERMANENT FILL.**

SHALL NOT BE STEEPER THAN 50%.

ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.

CONSTRUCTION DOCUMENTS 2/28/2022

NOTE: DIMENSIONS INDICATED ARE FOR REFERENCE ONLY.

DESCRIPTION	DATE
AS-BUILT REVISIONS	
ARCHITECT	
ENGINEER	
Bureau of State Colleges - Dept. of Education	
APPROVED	
ASSISTANT DIRECTOR OF ENGINEERING	
CHECKED BY THE GENERAL STATE AUTHORITY	
ARCH. STRUC. H.V.A.C. P.L.B. ELEC. MEC.	
<b>THE GENERAL STATE AUTHORITY</b> HARRISBURG, PENNSYLVANIA PROJECT NO. G.S.A. 404-34 CONSERVATION EDUCATION CTR. CLARION STATE COLLEGE SANDY LAKE, MERCER COUNTY, PENNA. <b>W. G. ECKLES CO.</b> ARCHITECTS & ENGINEERS 301 NORTH WEAVER ST. NEW CASTLE, PA.	
INTERPRETIVE EDUCATION FOUNDATION PLAN, PLAN, ELEVATIONS, FINISH SCHEDULE, DETAILS.	
DATE	DRAWING NO.
ROBERTS	AS NOTED

DESCRIPTION DESCRIPTION

AS-BUILT REVISIONS

PROFESSIONAL'S SIGNATURE	DATE	CONSULTANT'S SIGNATURE	DATE

KCI TECHNOLOGIES, INC.

5001 LOUISE DRIVE, SUITE 201

MECHANICSBURG, PA.

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF GENERAL SERVICES

HARRISBURG, PENNSYLVANIA

PROJECT NO. DGS 0404-0034, PHASE 001

DEMOLITION OF MCKEEVER ENVIRONMENTAL CENTER

LAKE & SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA.

EDUCATION CENTER FOUNDATION PLAN, ELEVATIONS, FINISH SCHEDULE, DETAILS

DRAWN BY DATE DRAWING NO.

CHECKED BY SCALE

AR-17

**VERIFY SCALE**

BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING:

0 1

IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.







0 3 6 12 INCHES



INTERIOR COLOR NOTES:

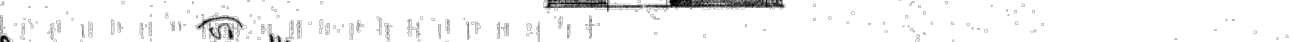
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### SECTION 0200 - DEMOLITION

TERMINATIONS.



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550 1507 110 200 150 100 50 0

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LAKE &amp; SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA

DRAWN BY	DATE	DRAWING NO.
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		7/11/19
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711X-10

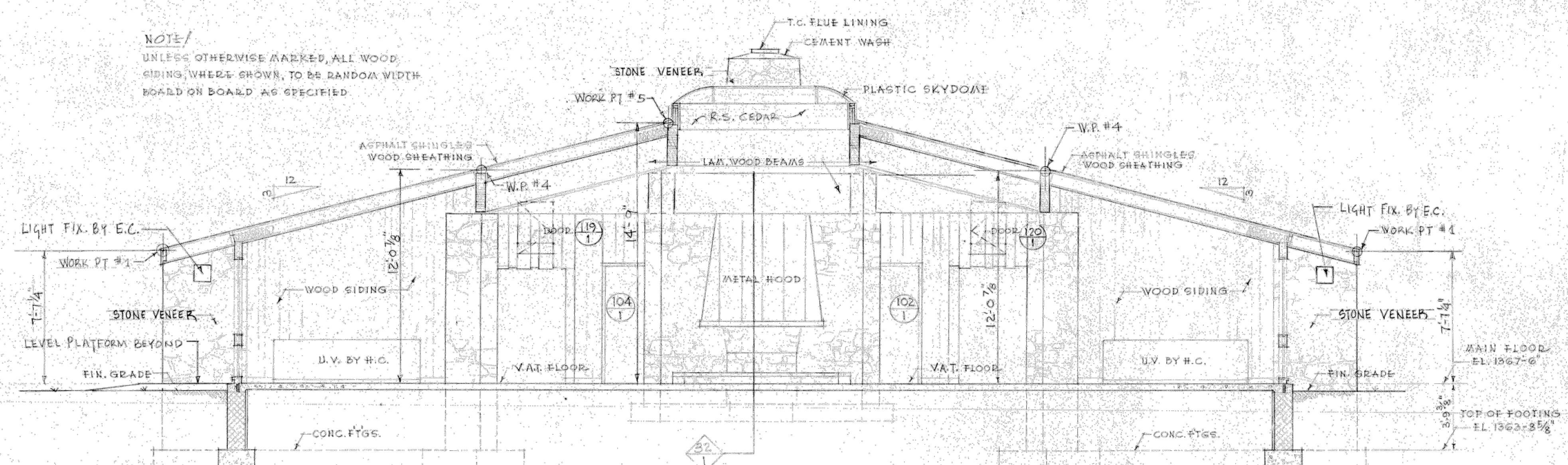
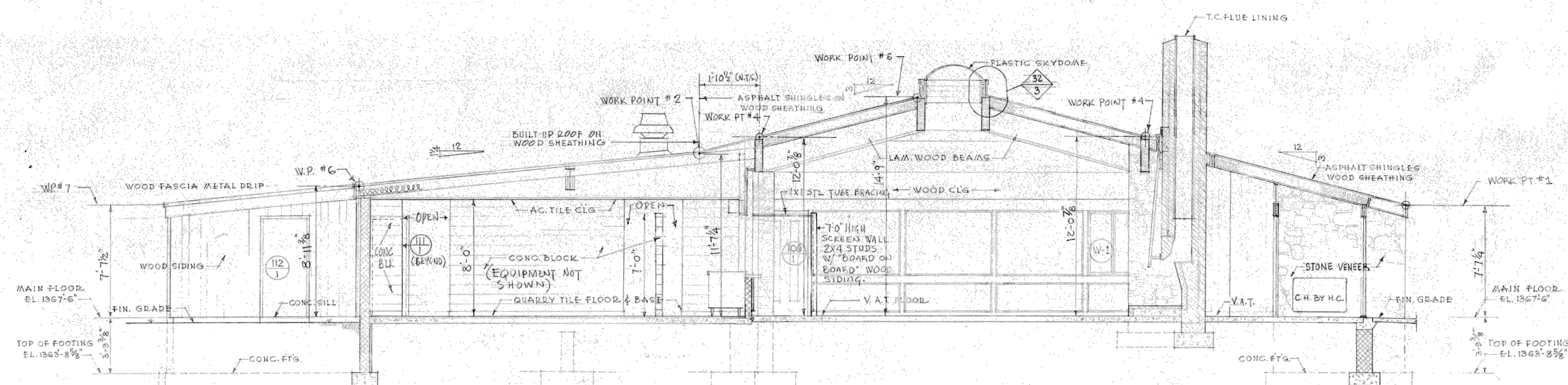
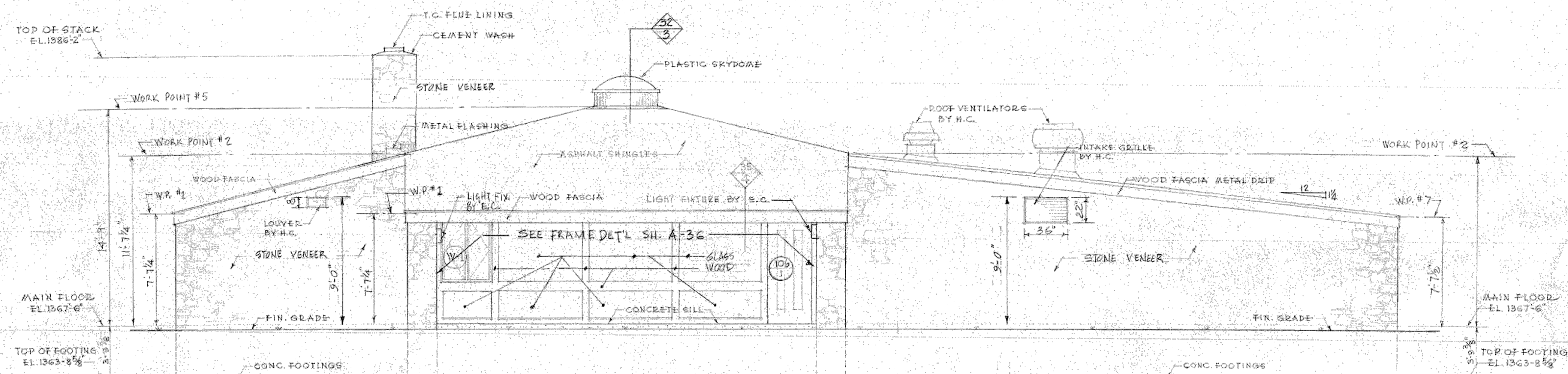












## GENERAL NOTES

- GENERAL NOTES:**
1. SUFFIX "R" SERIES DRAWINGS ARE FOR REFERENCE ONLY. THEY ARE COPIES OF ORIGINAL CONSTRUCTION DRAWINGS FOR MCKEEVER ENVIRONMENTAL CENTER. DIMENSIONS ON THESE DRAWINGS ARE NOT VERIFIED. INVITATIONS TO BIDDING BEFORE DEMOLITION TO VERIFY THE ACTUAL CONSTRUCTION MATERIALS AND EQUIPMENT TYPES.
  2. ASSUME THAT WALLS WITH SOIL BACKFILL EMBANKMENT ON ONE SIDE ARE RETAINING WALLS AND, IF REMOVED, THE EMBANKMENT MUST BE STABILIZED BY SOME MEANS TO PREVENT COMPROMISING EXISTING STRUCTURES.
  3. DO NOT STORE MATERIALS OUTSIDE OF FENCE AREA.
  4. SUBSURFACE INVESTIGATION FOR UTILITIES HAS NOT BEEN PERFORMED. MCKEEVER ENVIRONMENTAL CENTER FACILITIES STAFF ARE UNAWARE OF UTILITIES OTHER THAN THOSE SHOWN ON DRAWINGS.
  5. DEMOLITION INCLUDES REMOVAL OF ALL FIXED AND LOOSE ITEMS WITHIN THE L.O.C. AREA. PROPER DISPOSAL OF ANY GASES OR LIQUIDS DISCOVERED WITHIN THE BUILDING AND REMOVAL OF ALL UTILITIES BACK TO MANHOLE, SHUT-OFF VALVE OR LOCATION NAMED ON DRAWINGS.
  6. DAMAGES TO ANY SITE STRUCTURES THAT ARE NOT PART OF DEMOLITION MUST BE RESTORED TO SAME OR BETTER CONDITION.

**GENERAL DEMOLITION PERMIT NOTES:**

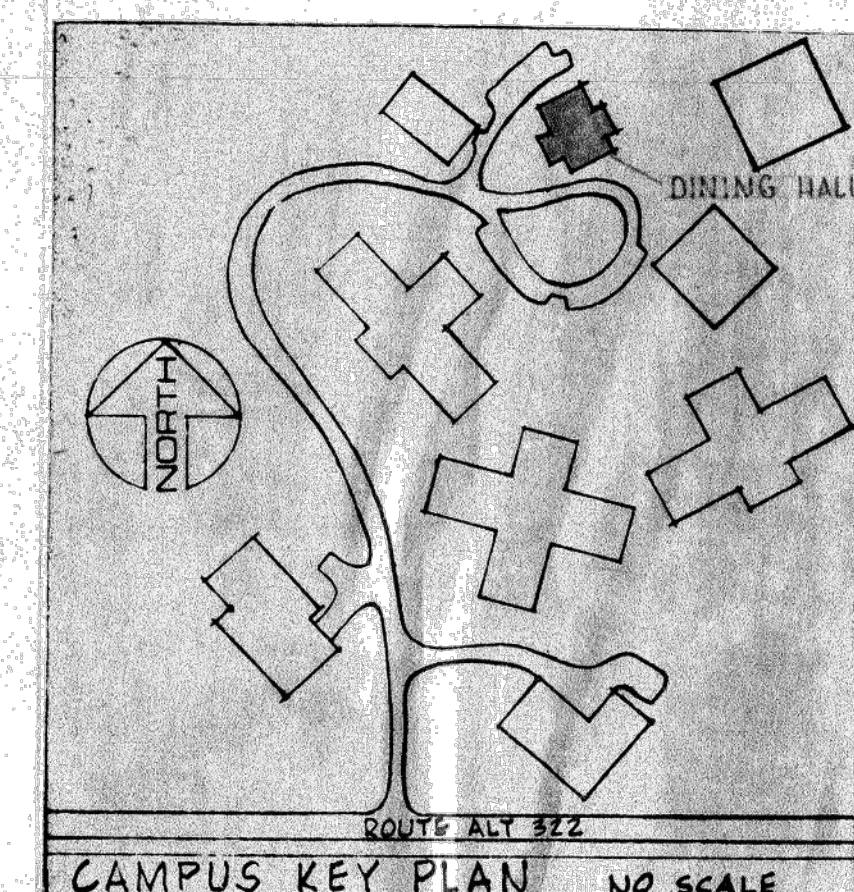
**PA-UCC, 2015 IBC: CHAPTER 33, SAFEGUARDS DURING CONSTRUCTION.**

-T 3306.1 PROTECTION OF PEDESTRIANS: HEIGHT MORE THAN 8 FEET.  
-DISTANCE FROM CONSTRUCTION TO LOT LINE: ... EXCEEDING  $\frac{1}{2}$  THE HEIGHT OF CONSTRUCTION.  
-TYPE OF PROTECTION REQUIRED: NONE.

**SECTION 3303, DEMOLITION.**

- BUILDINGS, PAVEMENT, AND UTILITIES WILL BE REMOVED AND CAPPED.
- LOT WILL BE FILLED AND GRADED TO THE LEVEL OF THE SURROUNDING SITE.
- FOUNDATIONS WILL BE REMOVED DOWN TO FOUR FEET (MINIMUM) BELOW GRADED LEVEL.
- ALL DEMOLITION IS FOR MCKEEVER ENVIRONMENTAL CENTER PROPERTY- APPLICABLE GOVERNING AUTHORITY IS M.E.C. FOR ALL UTILITY DISCONNECTIONS AND TERMINATIONS.

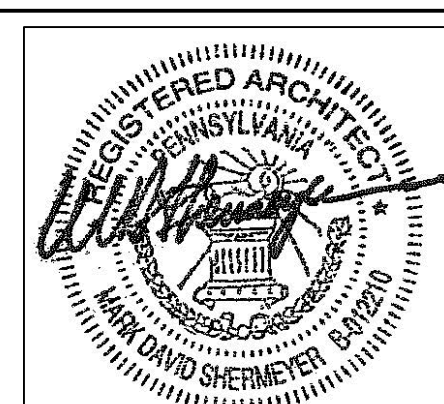
**SECTION 3304. SLOPES FOR PERMANENT FILL SHALL NOT BE STEEPER THAN 50%. ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.**



CONSTRUCTION DOCUMENTS 2/ 28/ 2022

[illegible]

AS-BUILT REVISIONS



PROFESSIONAL'S SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

KCI TECHNOLOGIES, INC.

5001 LOUISE DRIVE, SUITE 201  
MECHANICSBURG, PA

---

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF GENERAL SERVICES  
HARRISBURG, PENNSYLVANIA

HARRISBURG, PENNSYLVANIA

PROJECT NO. DGS 0404-0034, PHASE 001
--------------------------------------

DEMOLITION OF MCKEEVER ENVIRONMENTAL CENTER
--

LAKE & SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA

DINING HALL EXTERIOR ELEVATION + SECTIONS

IFY	DRAWN BY	DATE	DRAWING NO.
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100

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 105–112

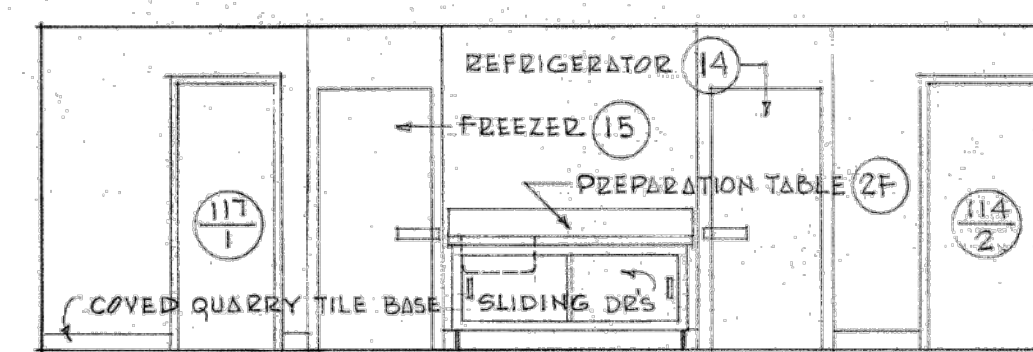
FALL	CHECKED BY	SCALE	AR-22

SCALE

AR-22

CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION



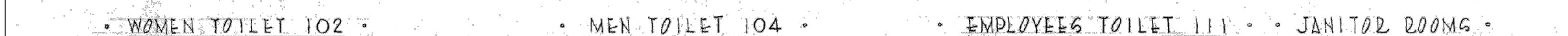


ELEVATION • 4

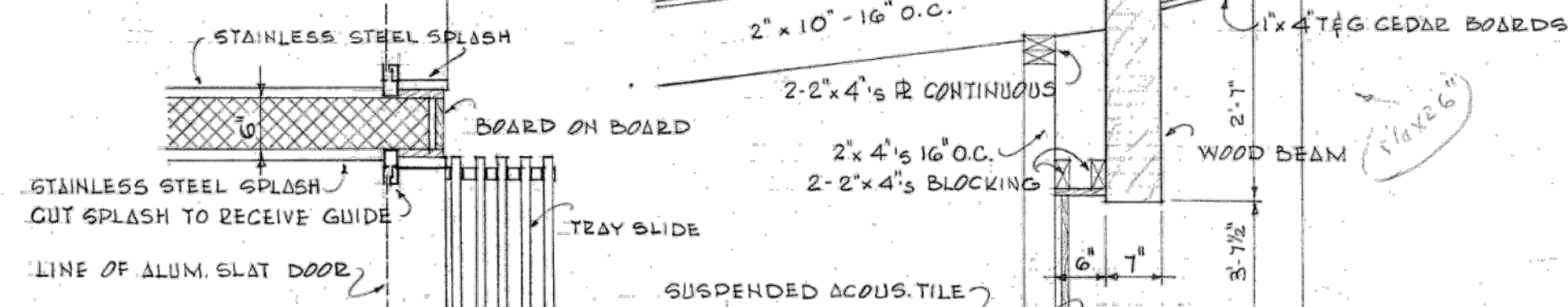
0 5 10 FEET



SCALE: 1/4" = 1'-0"



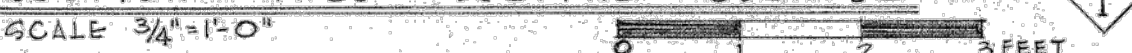
DETAILS OF EVIDENCE SHOWING ACCUSSES' EFFECTS



<u>ELEVATION</u> 	<u>ELEVATION</u> 	<u>ELEVATION</u> 
1000	1000	1000

[illegible]

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.



SCALE  $\frac{3}{4}'' = 1'-0''$

DINING HALL - INT	
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**RADIUS ONE (4) INCH LONG**

BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING:

IF BAR IS NOT ONE(1) INCH LONG

**CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS**

DOCUMENTS NOT PERMITTED  
WITHOUT PROFESSIONAL & BURIAL



1. SUFFIX "R" SERIES DRAWINGS ARE FOR REPAIRS TO EXISTING UTILITIES BASED ON ORIGINAL CONSTRUCTION DRAWINGS FOR MOOREVEE ENVIRONMENTAL CENTER. DIMENSIONS ON THESE DRAWINGS ARE BASED ON INVESTIGATION RESULTS BEFORE DEMOLITION TO VERIFY THE ACTUAL CONSTRUCTION MATERIALS AND EQUIPMENT TYPES.
2. ASSUMES WALLS WITH SOIL EMBANKMENT ON ONE SIDE ARE RETAINING WALLS AND, IF REMOVED, THE EMBANKMENT MUST BE STABILIZED BY OTHER MEANS TO PREVENT EROSION, COMPROMISING EXISTING STRUCTURES.
3. DO NOT STORE MATERIALS OUTSIDE OF UTILITIES AREA.
4. SURFACE INVESTIGATION FOR FENCED AREA HAS NOT BEEN PERFORMED. MOOREVEE ENVIRONMENTAL CENTER FACILITY STAFF ARE UNAWARE OF UTILITIES OTHER THAN THOSE SHOWN ON DRAWINGS.
5. DEMOLITION INCLUDES REMOVAL OF ALL FIXED AND LOOSE ITEMS WITHIN THE EXISTING PROPERTY BOUNDARY OF ANY GASES OR LIQUIDS DISCOVERED WITHIN THE BUILDING AND REMOVAL OF ALL UTILITIES BACK TO MANHOLE, SHUT-OFF VALVE OR LOCATION NAMED ON DRAWINGS.
6. DAMAGES TO ANY SITE STRUCTURES THAT ARE NOT PART OF DEMOLITION MUST BE RESTORED TO SAME OR BETTER CONDITION.

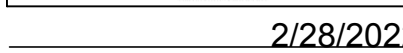
PA-UCC, 2015 IBC: CHAPTER 33, SAFEGUARD  
DURING CONSTRUCTION.

### SECTION 3303. DEMOLITION.

#### SECTION 2304. SLOPES FOR PERMANENT FILL

NOTE:  
DIMENSIONS INDICATED ARE FOR REFERENCE ONLY.

DESCRIPTION	DESCRIPTION
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[illegible]

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5001 LOUISE DRIVE, SUITE 201

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF GENERAL SERVICES

PROJECT NO. DGS 0404-0034 PHASE 001

## ABOLITION OF MCKEEVER

ENVIRONMENTAL CENTER

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DATE	DRAWING NO.
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SCALE	AR-23
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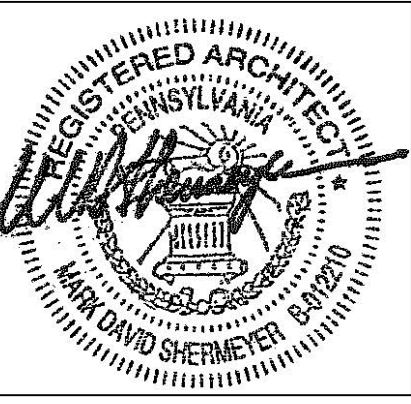
**SECTION 3304. SLOPES FOR PERMANENT FILL SHALL NOT BE STEEPER THAN 50%. ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.**

4. LAM WOOD CONNECTION NOTES  
HIGHTSTRENGTH BOLTS - ASTM A325  
SHEAR PLATES  
4"  $\phi$  - ASTM A47-32 GRADE 30015  
MALLEABLE IRON CASTING  
2 5/8"  $\phi$  - PRESTRESSED STEEL HOT ROLLED  
SAB 1010 CARBON STEEL  
PROVIDE 1 3/4"  $\phi$  HONES FOR 3/4"  $\phi$  BOLTS
5. FOR MATERIAL ALLOWABLE STRESSES &  
SIZES REFER TO NOTE 7, SHEET A5-14.
6. ALL WORK POINT ELEVATIONS ARE  
GIVEN TO UNDERSIDE OF PLYWOOD  
ROOF DECK. ELEVATIONS ARE GIVEN  
IN RELATION TO FIN F.L.E.L. 1367'-6"

NOTE:  
DIMENSIONS INDICATED ARE FOR REFERENCE ONLY.

[illegible]

DESCRIPTION	DESCRIPTION				
AS BUILT REVISIONS					
SUBMITTED	<i>W. E. Eaker</i>				
ARCHITECT					
SUBMITTED					
ENGINEER					
APPROVED	<i>W. E. Eaker</i>				
BUREAU OF INSTITUTIONAL DEVELOPMENT SERVICES - Dept. of Education					
APPROVED					
ASSISTANT DIRECTOR OF ENGINEERING - C. S. A.					
CHECKED BY THE GENERAL STATE AUTHORITY					
ARCH.	STRUC.	H.V.A.C.	P.L.B.G.	ELEC.	MISC.



PROFESSIONAL'S SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_ 2/28/2022  
CONSULTANT'S SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

DRAWN BY	DATE	DRAWING NO.  AR-25
CHECKED BY	SCALE	

VARIANCE FROM CONTRACT  
DOCUMENTS NOT PERMITTED  
FLUKE PROFESSIONAL & BUREAU

CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION




- SECTION 3304. SLOPES FOR PERMANENT FILL SHALL NOT BE STEEPER THAN 50%. ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.**

A hand-drawn campus key plan of the University of Illinois at Chicago. The map shows a central road labeled "ROUTE 455" with several buildings marked by simple geometric shapes. A compass rose indicates North. A label "DINING HALL" points to a building on the right. The title "CAMPUS KEY PLAN" and "NO SCALE" are at the bottom.

NOTE:  
DIMENSIONS INDICATED ARE FOR REFERENCE ONLY.

[illegible]

## AS-BUILT REVISIONS

DESCRIPTION		DESCRIPTION	
AS BUILT REVISIONS			
SUBMITTED	ARCHITECT		
SUBMITTED	ENGINEER		
APPROVED	Dept. of Education		
BUREAU OF INSTITUTIONAL DEVELOPMENT SERVICES			
APPROVED	ASSISTANT DIRECTOR ENGINEERING & S.		
CHECKED BY THE GENERAL STATE AUTHORITY			
APR. 27 1964	STING.	H.V.C.	PLB
			ELC.
			HISC.
			
THE GENERAL STATE AUTHORITY			

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF GENERAL SERVICES  
HARRISBURG, PENNSYLVANIA

PROJECT NO. DGS 0404-0034. PHASE 001

LAKE &amp; SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA

DINING HALL EXTERIOR WALL SECTIONS

**VERIFY SCALE**

BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING:

0 1

IF BAR IS NOT ONE(1) INCH LONG  
ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUR OF CONSTRUCTION APPROVAL.

IFY	DRAWN BY	DATE	DRAWING NO.
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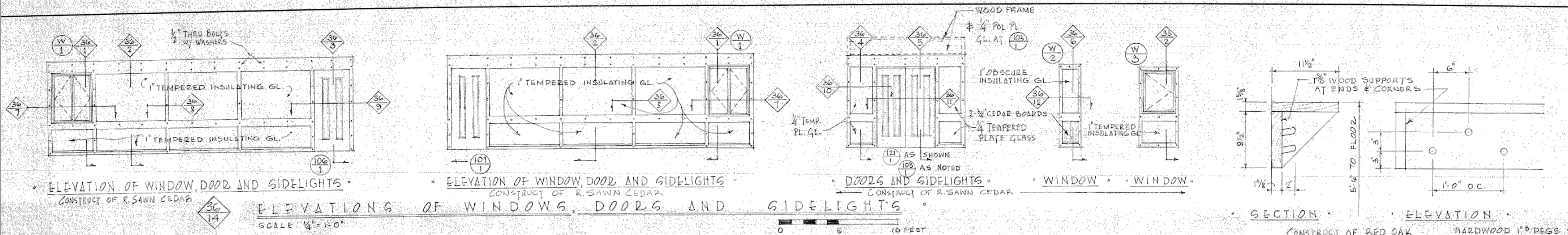
BEAU		
	CHECKED BY	SCALE

AR-26

AR-26

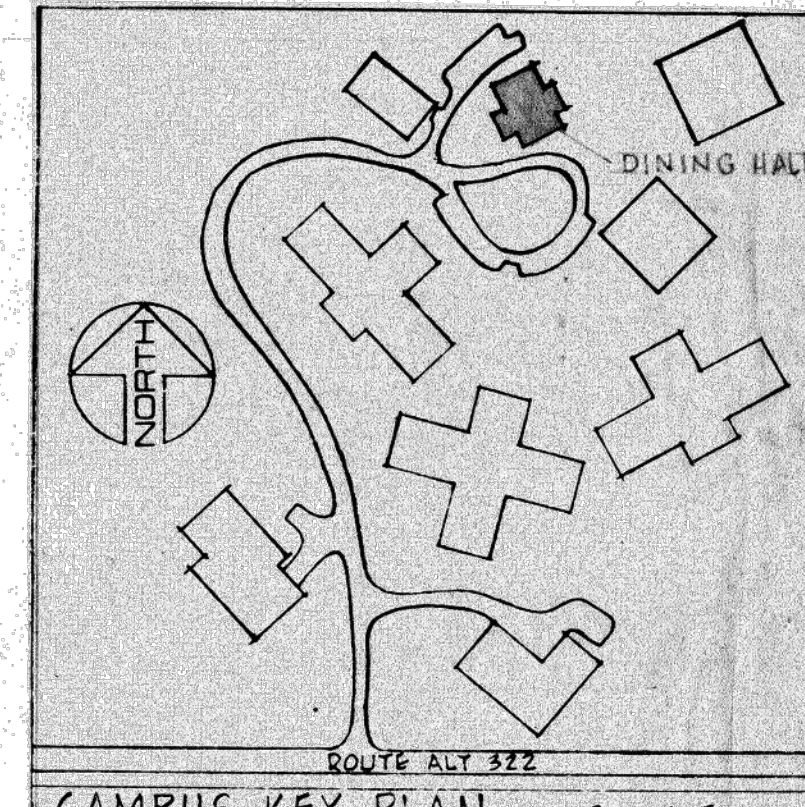
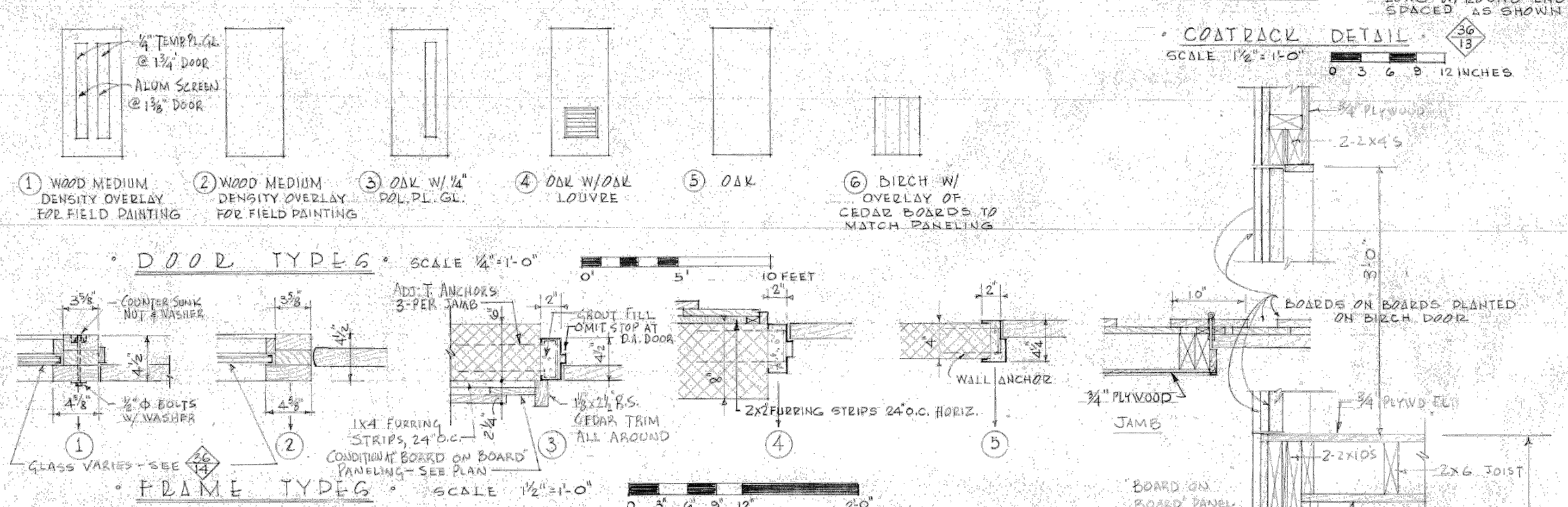
CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION





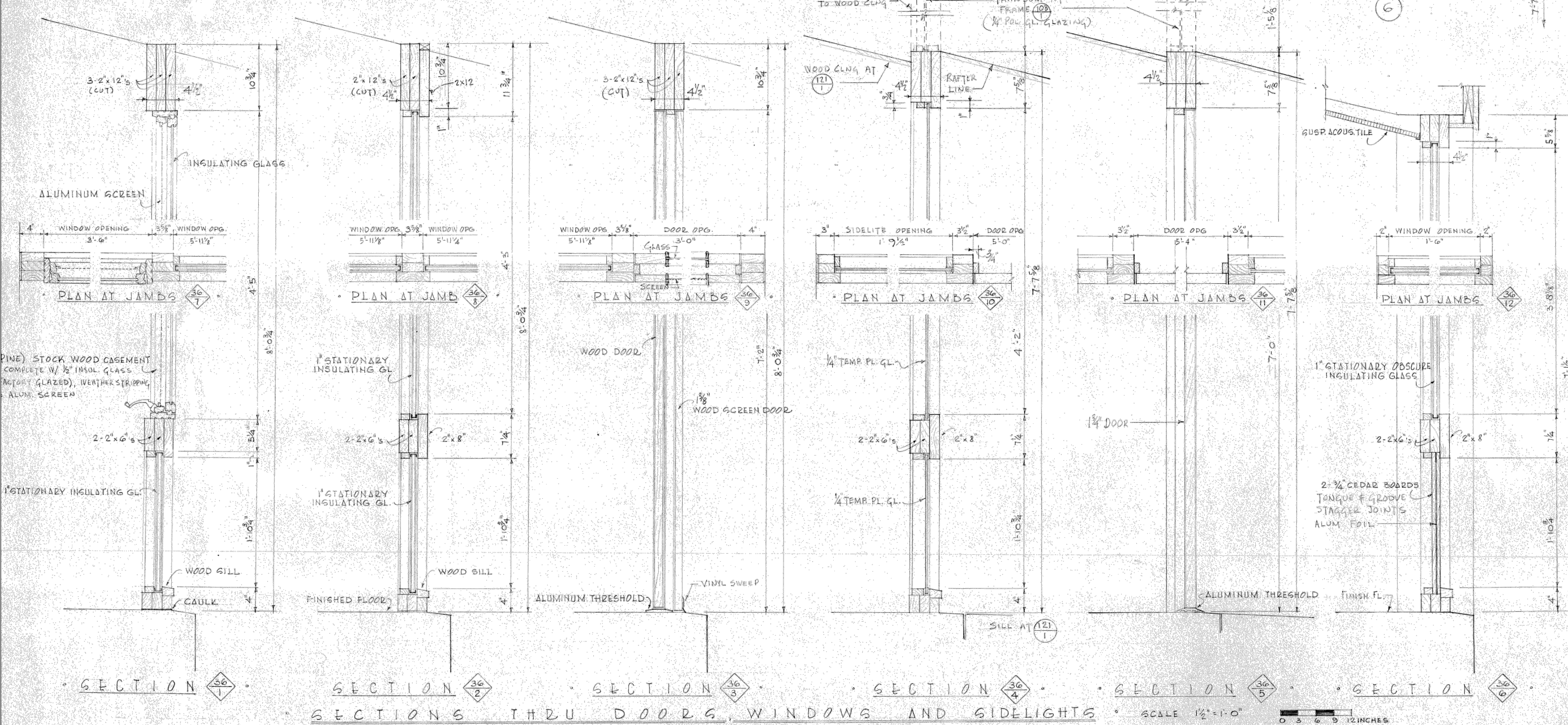
GENERAL NOTES:  
1. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY CONTRACTOR AT THE SITE.

DOOR SCHEDULE											
MARK	DOOR TYPE	MATL	W	H	THL	TYPE	MATL	THRESHOLD	LINTEL	HD-WG	REMARKS
102/1	4	WOOD	2'-8"	6'-8"	1 1/2"	3	METAL			20	
103/1	1	WOOD	2'-8"	7'-0"	1 1/2"	1	WOOD	SEE SPECS		31	
104/1	4	WOOD	2'-8"	6'-8"	1 1/2"	3	METAL			20	
106/1	1	WOOD	3'-0"	7'-2"	1 1/2"	1	WOOD ALUM.	SEE SPECS		6	
107/1	1	WOOD	3'-0"	7'-2"	1 1/2"	2	WOOD ALUM.	SEE SPECS		33	DOUBLE-ACTING DOOR - HIGH PLATE INTERIOR FACE ONLY
110/1	5	WOOD	2'-8"	6'-8"	1 1/2"	3	METAL			11	
111/1	4	WOOD	2'-4"	6'-8"	1 1/2"	5	METAL			20	
112/1	2	WOOD	3'-0"	6'-8"	1 1/2"	4	METAL			4	
113/1	3	WOOD	3'-0"	6'-8"	1 1/2"	3	METAL			24	
113/2	1	WOOD	3'-0"	6'-8"	1 1/2"	4	METAL ALUM.	SEE SPECS		15	
114/1											OMITTED
114/2	5	WOOD	3'-0"	6'-8"	1 1/2"	3	METAL			11	
117/1	4	WOOD	2'-4"	6'-8"	1 1/2"	3	METAL			11	
118/1	4	WOOD	2'-4"	6'-8"	1 1/2"	3	METAL			11	
119/1	6	WOOD	2'-4"	3'-0"	1 1/2"	6	WOOD			32	
120/1	6	WOOD	2'-4"	3'-0"	1 1/2"	6	WOOD			32	
121/1	1	WOOD	2'-8"	7'-0"	1 1/2"	1	WOOD ALUM.			23	



GENERAL NOTES:  
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5. DAMAGES TO ANY SITE STRUCTURES THAT ARE NOT PART OF DEMOLITION MUST BE RESTORED TO SAME OR BETTER CONDITION.

GENERAL DEMOLITION PERMIT NOTES:  
PA.UCC, 2015 IBC, CHAPTER 33, SAFEGUARDS DURING CONSTRUCTION.  
T 3306.1 PROTECTION OF PEDESTRIANS: HEIGHT MORE THAN 8 FEET.  
-DISTANCE FROM CONSTRUCTION TO LOT LINE: EXCEEDING THE HEIGHT OF CONSTRUCTION.  
-TYPE OF PROTECTION REQUIRED: NONE.  
SECTION 3303, DEMOLITION.  
-BUILDINGS, PAVEMENT, AND UTILITIES WILL BE REMOVED AND CAPPED.  
-LOT WILL BE FILLED AND GRADED TO THE LEVEL OF THE SURROUNDING SITE.  
-FOUNDATIONS WILL BE REMOVED DOWN TO FOUR FEET (MINIMUM) BELOW GRADED LEVEL.  
-ALL DEMOLITION IS FOR MCKEEVER ENVIRONMENTAL CENTER PROPERTY.  
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SECTION 3304, SLOPES FOR PERMANENT FILL SHALL NOT BE STEEPER THAN 50%.  
-ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.



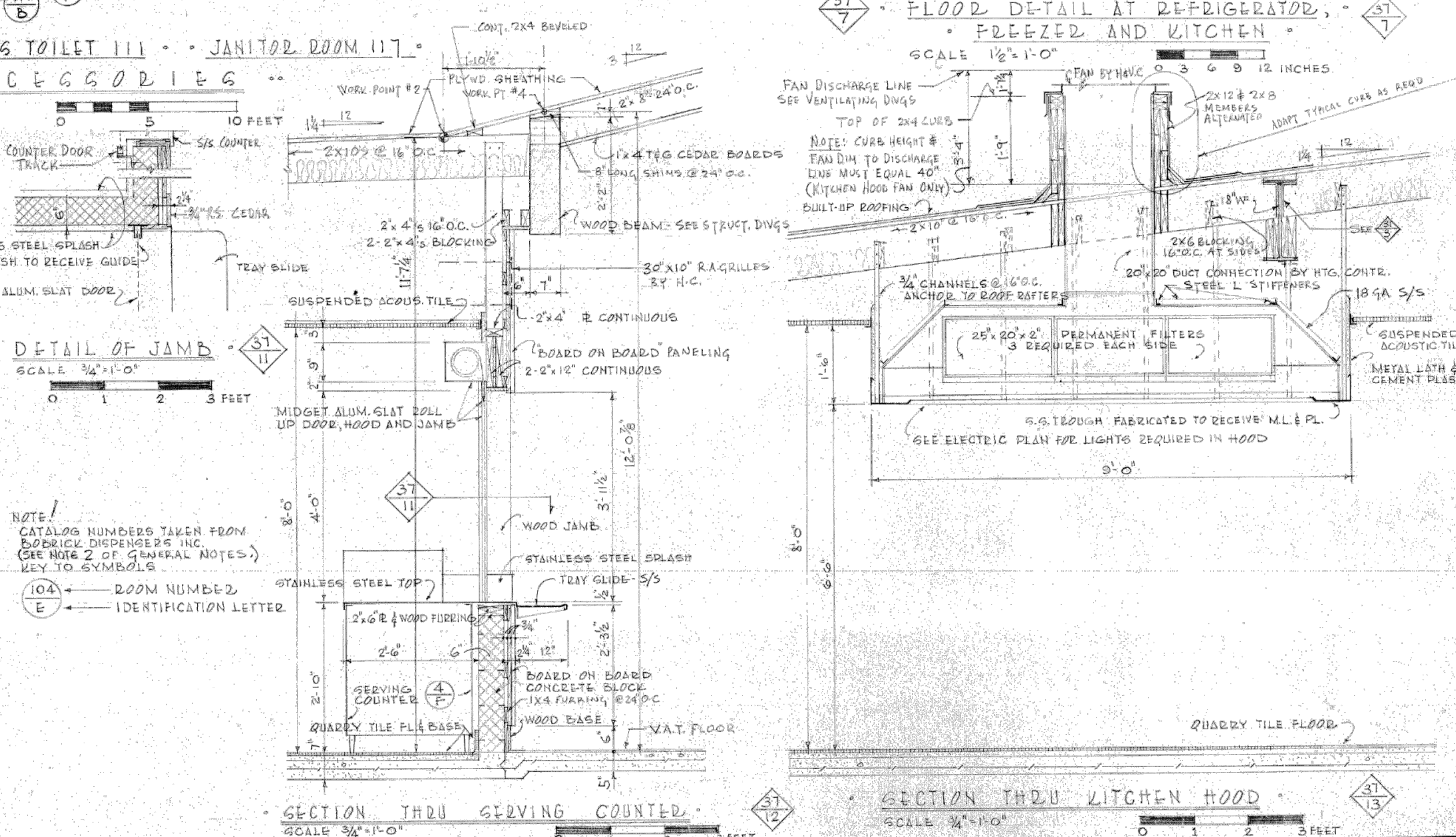
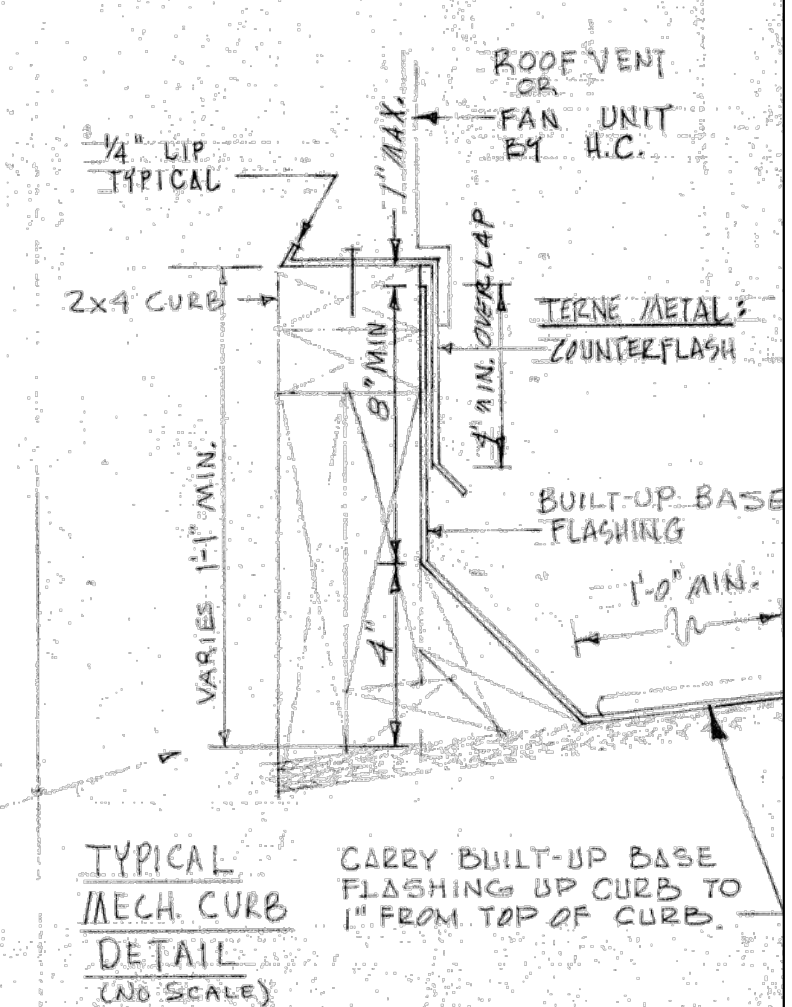
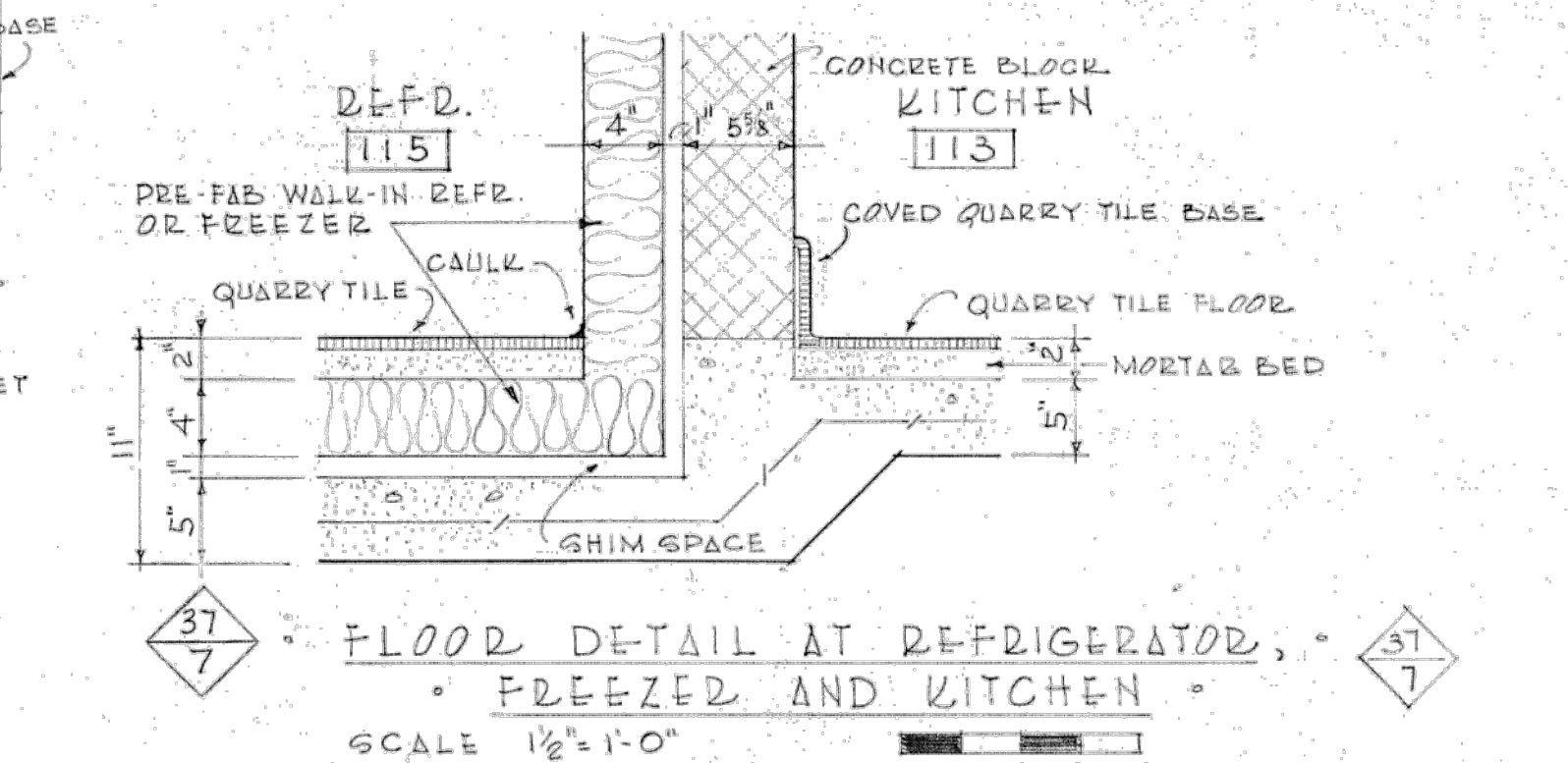
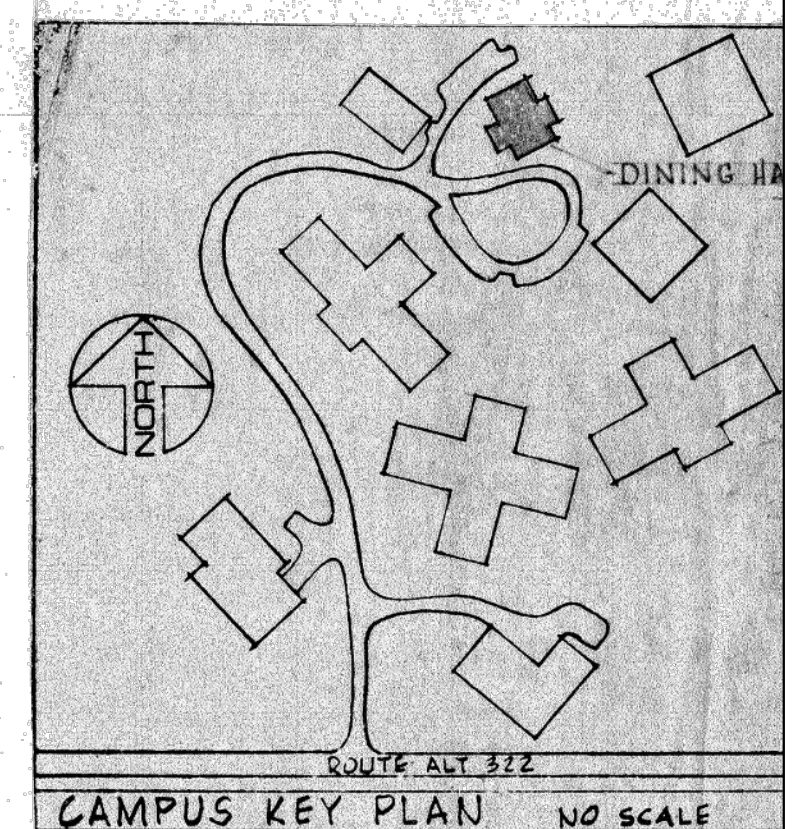
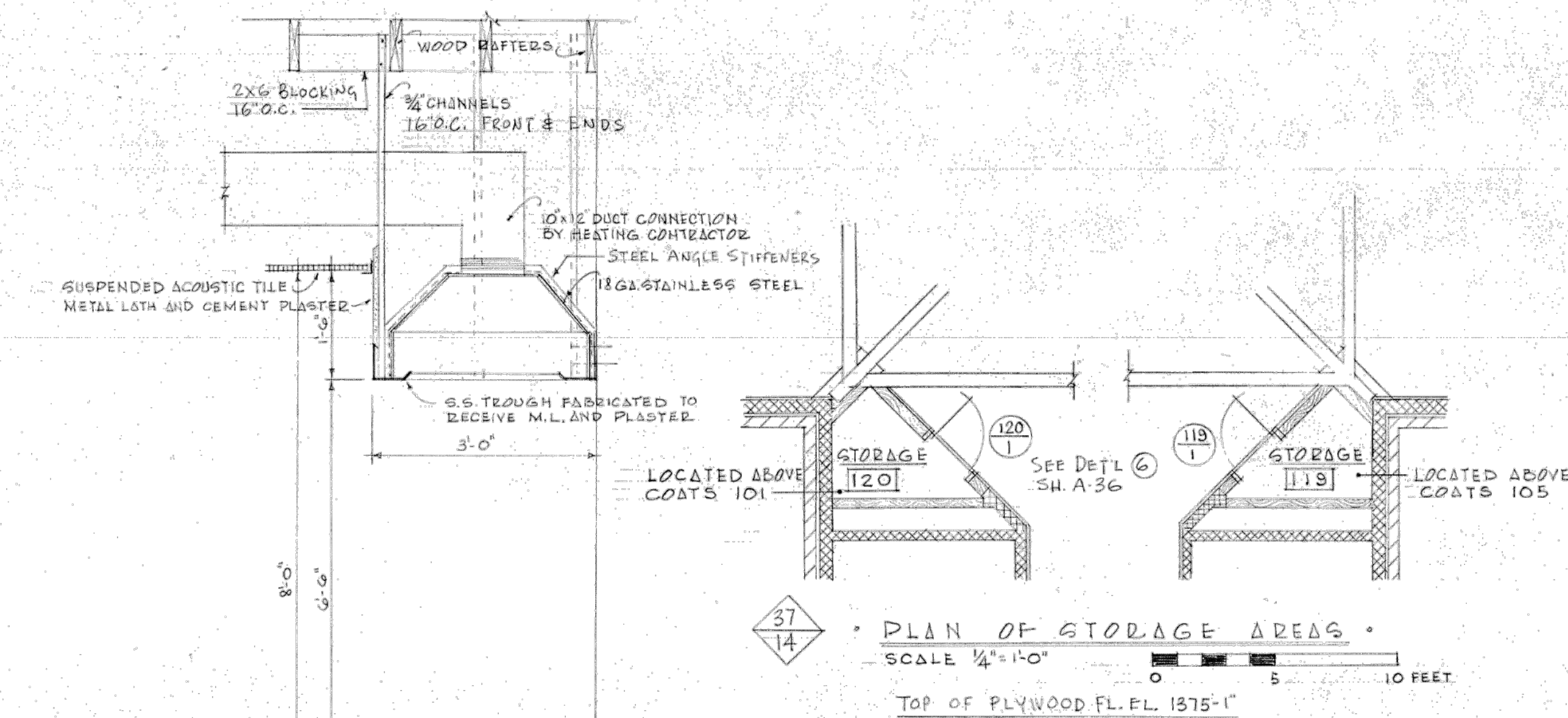
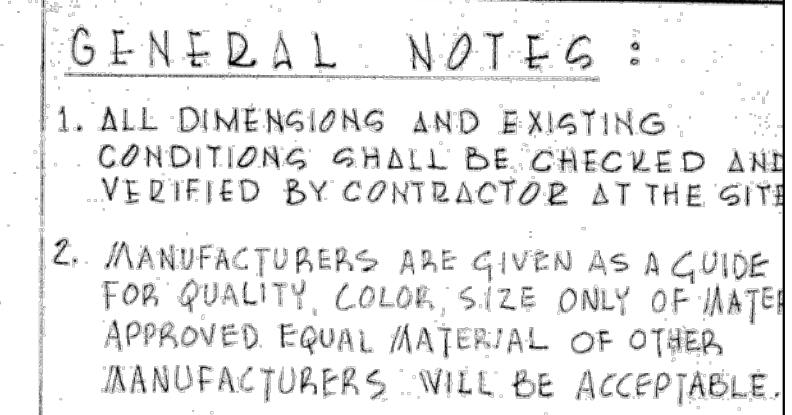
DESCRIPTION	REVISIONS
AS BUILT REVISIONS	2
SUBMITTED: <i>W. G. E.</i>	
ARCHITECT	
ENGINEER	
BUREAU OF INSTITUTIONAL DEVELOPMENT SERVICES - Dept of Education	
APPROVED: <i>W. G. E.</i>	
CHECKED BY THE GENERAL STATE AUTHORITY	
ARCH. W. G. E.	STRUC. H. K. A. C.
5-8-75	PLS. G. E.
ELEC. MISC.	
THE GENERAL STATE AUTHORITY	
HARRISBURG, PENNSYLVANIA	
PROJECT NO. G.S.A. 404-34	
CONSERVATION EDUCATION CTR.	
CLARION STATE COLLEGE	
SANDY LAKE, MERCER COUNTY, PENNA.	
W. G. E.	
ARCHITECT	
301 NOR NEW	
DINING HALL - W	
SIDELIGHTS DETAIL	
DESIGNED BY: W. G. E.	DATE: NOV 24
CHECKED BY: W. G. E.	SCALE: NOTES

CONSTRUCTION DOCUMENTS 2/28/2022

NOTE: DIMENSIONS INDICATED ARE FOR REFERENCE ONLY.

DESCRIPTION	DESCRIPTION
AS-BUILT REVISIONS	
PROFESSIONAL'S SIGNATURE	DATE
CONSULTANT'S SIGNATURE	DATE
KCI TECHNOLOGIES, INC.	
5001 LOUISE DRIVE, SUITE 201	
MECHANICSBURG, PA	
COMMONWEALTH OF PENNSYLVANIA	
DEPARTMENT OF GENERAL SERVICES	
HARRISBURG, PENNSYLVANIA	
PROJECT NO. DGS 0404-0034, PHASE 001	
DEMOLITION OF MCKEEVER ENVIRONMENTAL CENTER	
LAKE & SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA	
DINING HALL WINDOW + DOOR SCHEDULE	
DRAWN BY	DATE
CHECKED BY	SCALE
DRAWING NO. AR-27	





TOILET AND JANITOR ROOM ACCESSORIES					
M&B	CAT. NO	ITEM	SIZE	QUANTITY	REMARKS
(113) A	B-3309	MULTI-PURPOSE UNIT	17 1/2" x 30 5/8" x 4 1/2"	1	MOUNT TOP 5'-10" FROM FLOOR
(152) B	(104) E	(111) C	B-319	MULTI-PURPOSE UNIT	17 1/2" x 28 5/8" x 4 1/2" 2 (TWO) REQUIRED ROOM 102
(102) B	(104) E	(111) C	B-3652	WASTE RECEPTACLE	14" x 48" x 7 1/2" 3 MOUNT TOP 4'-10 1/2" FROM FLOOR
(102) B	B-352	NAPKIN TAMPON VENDOR	15 1/2" x 27 1/8" x 4"	1	MOUNT TOP 4'-10 1/2" FROM FLOOR
(102) B	(104) E	B-2903624	6/6 ANGLE FRAME MIRROR	(H) 36" x (W) 24"	2 MOUNT BOT. 3'-4" ABOVE FLOOR
(102) B	(111) C	B-2901624	6/6 ANGLE FRAME MIRROR	(W) 16" x (H) 24"	2 MOUNT BOT AT TOP OF UNIT (111) C
(102) B	B-279	WASTE RECEPTACLE	14" x 16" x 6"	1	MOUNT BOT. 8" ABOVE FLOOR
(102) B	B-353	NAPKIN DISPOSAL	12 3/4" x 17 1/2" x 4 1/2"	1	MOUNT TOP 4'-10 1/2" FROM FLOOR
(104) K	(102) B	B-493 MODIFIED	GRAB BARS	1/2" DIAMETER, 52" LONG	4 MOUNT TOP 2'-9" FROM FLOOR
(117) K	B-224	CUSTODIAL ACCESSORY	30"(L) x 8"(D) UNIT	1	MOUNT TOP 6'-6" FROM FLOOR

NOTE!  
CATALOG NUMBERS TAKEN FROM  
BOBRICK DISPENSERS INC.  
(SEE NOTE 2 OF GENERAL NOTES.)  
KEY TO SYMBOLS

104 — ROOM NUMBER  
E — IDENTIFICATION LETTER

**GENERAL NOTES:**

1. SUFFIX "R" SERIES DRAWINGS ARE FOR REFERENCE ONLY. THEY ARE COPIES OF ORIGINAL CONSTRUCTION DRAWINGS FOR MCKEEVER ENVIRONMENTAL CENTER. DIMENSIONS ON THESE DRAWINGS ARE NOT VERIFIED. INVESTIGATE AREAS BEFORE DEMOLITION TO VERIFY THE ACTUAL CONSTRUCTION MATERIALS AND EQUIPMENT TYPES.
2. ASSUME THAT WALLS WITH SOIL EMBANKMENT ON ONE SIDE ARE RETAINING WALLS. IF REMOVED, THE EMBANKMENT MUST BE STABILIZED BY SOME MEANS TO PREVENT COMPROMISING EXISTING STRUCTURES. DO NOT REMOVE MATERIALS OUTSIDE OF FENCED AREA.
3. SUBSURFACE INVESTIGATION FOR UTILITIES HAS NOT BEEN PERFORMED. MCKEEVER ENVIRONMENTAL CENTER FACILITIES STAFF ARE UNAWARE OF UTILITIES OTHER THAN THOSE SHOWN ON DRAWINGS.
4. DEMOLITION INCLUDES REMOVAL OF ALL FIXED AND LOOSE ITEMS WITHIN THE L.O.C. AREA. PROPER DISPOSAL OF ANY GASES OR LIQUIDS DISCOVERED WITHIN THE BUILDING AND REMOVAL OF ALL UTILITIES BACK TO MANHOLE SHUT-OFF VALVE OR LOCATION NAMED ON DRAWINGS.
5. DAMAGES TO ANY SITE STRUCTURES THAT ARE NOT PART OF DEMOLITION MUST BE RESTORED TO SAME OR BETTER CONDITION.

**GENERAL DEMOLITION PERMIT NOTES:**

**PA-UCC, 2015 IBC: CHAPTER 33, SAFEGUARDS DURING CONSTRUCTION.**

-T 3306.1 PROTECTION OF PEDESTRIANS: HEIGHT MORE THAN 8 FEET.  
-DISTANCE FROM CONSTRUCTION TO LOT LINE: .. EXCEEDING  $\frac{1}{2}$  THE HEIGHT OF CONSTRUCTION.  
-TYPE OF PROTECTION REQUIRED: NONE.

**SECTION 3303. DEMOLITION.**

- BUILDINGS, PAVEMENT, AND UTILITIES WILL BE REMOVED AND CAPPED.
- LOT WILL BE FILLED AND GRADED TO THE LEVEL OF THE SURROUNDING SITE.
- FOUNDATIONS WILL BE REMOVED DOWN TO FOUR FEET (MINIMUM) BELOW GRADED LEVEL.
- ALL DEMOLITION IS FOR MCKEEVER ENVIRONMENTAL CENTER PROPERTY- APPLICABLE GOVERNING AUTHORITY IS M.E.C.
- FOR ALL UTILITY DISCONNECTIONS AND TERMINATIONS.

**SECTION 3304. SLOPES FOR PERMANENT FILL SHALL NOT BE STEEPER THAN 50%. ALL SITES SHALL BE SURROUNDED BY 8' CHAIN LINK FENCE. MINIMUM DISTANCE TO A BUILDING SHALL BE 20 FEET.**

CONSTRUCTION DOCUMENTS 2/ 28/ 2022

NOTE:  
DIMENSIONS INDICATED ARE FOR REFERENCE ONLY

[illegible]

### AS-BUILT REVISIONS

[illegible]

KCI TECHNOLOGIES, INC.

5001 LOUISE DRIVE, SUITE 201  
MECHANICSBURG, PA

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF GENERAL SERVICES  
HARRISBURG, PENNSYLVANIA

PROJECT NO. DGS 0404-0034, PHASE 001

# DEMOLITION OF MCKEEVER ENVIRONMENTAL CENTER

LAKE & SANDY LAKE TOWNSHIPS, MERCER COUNTY, PA

DINING HALL INTERIOR ELEVATIONS, SECTIONS + DETAILS

**VERIFY SCALE**

100 J. Child Fam. Stud. (2015) 24:93–101

BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING:

0 1

IF BAR IS NOT ONE(1) INCH LONG

ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

VARIANCE FROM CONTRACT  
DOCUMENTS NOT PERMITTED

WITHOUT PROFESSIONAL & BUILDING DEPARTMENT  
OF CONSTRUCTION APPROVAL

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\_\_\_\_\_

DRAWN BY	DATE	DRAWING NO.
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CHECKED BY	SCALE	AR-28
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		711	20
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AR-28

CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION



**FOR AN EXPLANATION OF BASE BIDS, SEE SECTION 01030 OF THE  
SPECIFICATIONS**

**.1 PROPOSER:** \_\_\_\_\_

**Base Bid #1:**

**Lump Sum Offer:** \_\_\_\_\_ **Dollars and \_\_\_\_ Cents**  
(Written)

\$ \_\_\_\_\_  
(Figures)

**Base Bid #2:**

**Lump Sum Offer:** \_\_\_\_\_ **Dollars and \_\_\_\_ Cents**  
(Written)

\$ \_\_\_\_\_  
(Figures)



## Hazardous Materials Survey Report: Directors Residence

**McKeever Environmental Center**  
**55 McKeever Ln**  
**Sandy Lake, PA 16145**

**Prepared For**  
*Pennsylvania Department of General Services*  
*Attn: Bryan Anthony*  
*1800 Street, 2<sup>nd</sup> floor, Arsenal Bldg*  
*Harrisburg, PA 17103*

**Prepared By**  
*KCI Technologies Inc.*  
*500 Cherrington Pwky, Suite 210*  
*Moon Twp, PA 15108*  
*KCI Job No: 09054045K3*

*February 23, 2022*





# **Hazardous Materials Survey Report**

**Of**

## **McKeever Environmental Center Director's Residence**

**Prepared For:**

**Pennsylvania Department of General Services  
McKeever Environmental Center**

**Prepared By:**

**KCI Technologies, Inc.  
500 Cherrington Pkwy  
Moon Twp, PA 15108**

**KCI Job No.: 09054045K  
Phone: (412) 824-7046**

**February 23, 2022**

## **Executive Summary**

Pennsylvania Department of General Services (Client) retained KCI Technologies, Inc. (KCI) to conduct a hazardous materials survey of six (6) existing structures located at the McKeever Environmental Center (55 McKeever Lane, Sandy Lake, Mercer County, Pennsylvania). This survey report is exclusive to the Director's Residence and performed on December 1<sup>st</sup>-3<sup>rd</sup>, 2021 and January 27<sup>th</sup>, 2022. The purpose of the survey was to identify asbestos containing materials (ACMs), polychlorinated biphenyls (PCBs) bulk product waste, and other potential hazardous materials that could be impacted during demolition of the identified structures. Lead based paint was not included in this survey.

The survey for ACMs identified the following building materials containing asbestos in quantities greater than 1 percent (>1%).

1. 12" Floor Tile – Tan/Brown – Approximately 200 ft<sup>2</sup>
2. Joint Compound – Approximately 6,570 ft<sup>2</sup>
3. Fire Stop – Black – < 1 ft<sup>3</sup>
4. Under Sink Coating – Purple – Approximately 5 ft<sup>2</sup>

The following other potential hazardous materials were identified on the building's premises:

1. Residential Refrigerator – 1ea.
2. Fluorescent Lamps – 30ea.
3. Ionizing Smoke Detectors – 4ea.

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3.2	POLYCHLORINATED BIPHENYLS (PCBs) BULK PRODUCT WASTE.....	5
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Appendix B:	Hazardous Materials Photos
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## 1.0 Introduction

Pennsylvania Department of General Services (Client) retained KCI Technologies, Inc. (KCI) to conduct a pre-demolition hazardous materials survey of six (6) existing structures located at the McKeever Environmental Center (55 McKeever Lane, Sandy Lake, Mercer County, Pennsylvania). This survey report is exclusive to the Director's Residence and performed on December 1<sup>st</sup> - 3<sup>rd</sup>, 2021 and January 27<sup>th</sup>, 2022. The purpose of the survey was to identify asbestos containing materials (ACMs), polychlorinated biphenyls (PCBs) bulk product waste, and other potential hazardous materials that could be impacted during demolition of the identified structures. Lead based paint was not included in this survey.

The scope of work included the following activities:

- 1) Visual inspection to determine presence and condition of suspect ACM
- 2) Bulk sampling and analysis of suspect ACM
- 3) Quantification of ACM
- 4) Bulk sampling of exterior caulking, glazing, and sealants for PCBs.
- 5) Visual inspection and inventory of other potential hazardous materials
- 6) Generation of this report documenting the findings

## 2.0 Site Description

McKeever Environmental Center consists of 10 buildings, 6 of which will be demolished, and is located on 120 acres. The subject two (2) story building, constructed primarily of wood is approximately 2,000ft<sup>2</sup> in size. An approximate floor plan of the building, and sample locations are included as Appendix A.

## 3.0 Hazardous Materials Survey

KCI's inspector conducted a hazardous materials survey of the subject site on December 1<sup>st</sup> – 3<sup>rd</sup>, 2021 and January 27<sup>th</sup>, 2022. A copy of the licenses and accreditations are included as Appendix C. The hazardous materials survey included asbestos, PCBs in bulk product waste, and other potentially hazardous materials. Photos are included as Appendix B.

### 3.1 Asbestos Containing Materials Survey

KCI's PA DOLI-licensed Asbestos Building Inspector (Lic#061379) conducted a visual inspection of all accessible areas, collected bulk samples of suspect materials for asbestos, and quantified suspect ACM materials. These activities were conducted in accordance with the current U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) and U.S. Environmental Protection Agency (EPA) regulations and guidance documents. The number of samples collected was determined using AHERA sampling protocols. Fire door insulation was not sampled to maintain the integrity.

Bulk samples were collected using a razor knife and/or other hand tools that were driven through the suspect material to the substrate to obtain a sample containing all discrete layers. Every effort was made to avoid the release of fibers during the sampling process. Before sampling, a fine mist of water was sprayed on the surface to be sampled. The suspect asbestos bulk samples were labeled, sealed, and submitted for analysis under chain-of-custody to AGX Inc. in Wexford, PA. AGX is accredited by the National Institute of Standards, and Technology through the National Voluntary Laboratory Accreditation Program (NVLAP) for Bulk Asbestos Analysis (NVLAP #101578-0).

Polarized Light Microscopy (PLM) was used to analyze the bulk samples for the presence of asbestos. PLM is an optical microscopic technique that distinguishes the different types of asbestos fibers by their



shape and unique optical properties. The technique was based on the refraction of light from various crystalline asbestos structures and the observation of the corresponding color changes through the microscope. All PLM analysis was performed following the methodologies documented in the EPA method 600/R-93/116, July 1993, "Method for the Determination of Asbestos in Bulk Building Materials".

Thirty-four (34) bulk samples of suspect ACMs were collected from the subject building. The analytical results for the bulk samples are summarized in the Bulk Sample Log (Table 1). The asbestos laboratory certificates of analysis are included in Appendix D.

<b>Table 1: McKeever Environmental Center-Director's Residence Asbestos Bulk Sample Log</b>				
<b>Sample Number</b>	<b>Material Description</b>	<b>Sample Location</b>	<b>Analysis Type</b>	<b>Results</b>
DR15-01	12" Floor Tile – Beige/Tan Flecked	Kitchen	PLM	POS
DR15-02	Floor Tile Mastic – Black	Kitchen	PLM	NEG
DR15-03	12" Floor Tile – Beige/Tan Flecked	Kitchen	PLM	POS
DR15-04	Floor Tile Mastic – Black	Kitchen	PLM	NEG
DR15-05	Plaster Skim Coat – White	Utility Closet	PLM	NEG
DR15-06	Plaster Skim Coat – White	Utility Closet	PLM	NEG
DR15-07	Cove Base Mastic – Brown	Utility Closet	PLM	NEG
DR15-08	Cove Base Mastic – Brown	Utility Closet	PLM	NEG
DR15-09	Mudded Pipe Fitting Insulation – White	Garage Utility Closet	PLM	NEG
DR15-10	Mudded Pipe Fitting Insulation – White	Garage Utility Closet	PLM	NEG
DR15-11	Mudded Pipe Fitting Insulation – White	Garage Utility Closet	PLM	NEG
DR15-12	Fire Stop – Black	Garage Utility Closet	PLM	POS
DR15-13	Fire Stop – Black	Garage Utility Closet	PLM	POS
DR15-14	Fiberglass Insulation Jacket – Green	Garage Utility Closet	PLM	NEG
DR15-15	Fiberglass Insulation Jacket – Green	Garage Utility Closet	PLM	NEG
DR15-16	Drywall – White/Brown	Living Room	PLM	NEG
DR15-17	Drywall – White/Brown	Bedroom 1	PLM	NEG
DR15-18	Joint Compound – White	Living Room	PLM	POS
DR15-19	Joint Compound – White	Bedroom 1	PLM	POS
DR15-20	Ceramic Wall Tile Grout – White/Gray	2 <sup>nd</sup> Floor Bathroom	PLM	NEG
DR15-21	Ceramic Wall Tile Grout – White/Gray	2 <sup>nd</sup> Floor Bathroom	PLM	NEG
DR15-22	Ceramic Floor Tile Grout – Gray	2 <sup>nd</sup> Floor Bathroom	PLM	NEG
DR15-23	Ceramic Floor Tile Grout – Gray	2 <sup>nd</sup> Floor Bathroom	PLM	NEG



<b>Table 1: McKeever Environmental Center-Director's Residence Asbestos Bulk Sample Log</b>				
<b>Sample Number</b>	<b>Material Description</b>	<b>Sample Location</b>	<b>Analysis Type</b>	<b>Results</b>
DR15-24	Under Sink Coating – Purple	Kitchen	PLM	POS
DR15-25	Under Sink Coating – Purple	Kitchen	PLM	POS
DR15-26	Roofing Shingle – Multicolor (top layer)	Exterior Roof	PLM	NEG
DR15-27	Roofing Shingle – Multicolor (top layer)	Exterior Roof	PLM	NEG
DR15-28	Roofing Shingle – Multicolor (bottom layer)	Exterior Roof	PLM	NEG
DR15-29	Roofing Shingle – Multicolor (bottom layer)	Exterior Roof	PLM	NEG
DR15-30	Roofing Felt – Black	Exterior Roof	PLM	NEG
DR15-31	Roofing Felt – Black	Exterior Roof	PLM	NEG
DR15-32	Window Glazing – Gray	Exterior	PLM	NEG
DR15-33	Window Glazing – Gray	Exterior	PLM	NEG
DR15-34	Under Sink Coating – Purple	Kitchen	PLM	POS
<b>Notes: PLM – Polarized Light Microscopy      NAD – No Asbestos Detected</b>				

The EPA defines an asbestos containing material as “any material containing greater than one percent (>1%) asbestos as determined by using the method specified in Appendix A, subpart F, 40 CFR part 763, Section 1, PLM.”

Summary of homogenous materials identified during KCI's survey of the Director's Residence is provided below in Table 2.

<b>Table 2: McKeever Environmental Center-Director's Residence Homogenous Table</b>							
<b>Homo. ID</b>	<b>Material Description</b>	<b>Material Location(s)</b>	<b>Sample Numbers</b>	<b>Sample Results</b>	<b>NESHAP Category</b>	<b>Estimated Quantity</b>	<b>Condition</b>
FT1	12" Floor Tile – Beige/Tan Flecked	Kitchen, Pantry, 1 <sup>st</sup> Fl. Bathroom, 1 <sup>st</sup> Fl. Corridor, Utility Closet	DR15-01, DR15-03,	3-4% C	NF1	200 ft <sup>2</sup>	Good
FTM1	Floor Tile Mastic – Black	Kitchen, Pantry, 1 <sup>st</sup> Fl. Bathroom, 1 <sup>st</sup> Fl. Corridor, Utility Closet	DR15-02, DR15-04	NAD	NA	NA	Good
PSC1	Plaster Skim Coat – White	Utility Closet	DR15-05, DR15-06	NAD	NA	NA	Good
CBM1	Cove Base Mastic – Brown	Utility Closet, Corridor, Kitchen	DR15-07, DR15-08	NAD	NA	NA	Good
PFI1	Pipe Fittings Insulation – White	Garage Utility Closet	DR15-09, DR15-10, DR15-11	NAD	NA	NA	Good
FS1	Fire Stop – Black	Garage Utility Closet	DR15-12, DR15-13	14-15% C	NF2	< 1ft <sup>3</sup>	Good



<b>Table 2: McKeever Environmental Center-Director's Residence Homogenous Table</b>							
<b>Homo. ID</b>	<b>Material Description</b>	<b>Material Location(s)</b>	<b>Sample Numbers</b>	<b>Sample Results</b>	<b>NESHAP Category</b>	<b>Estimated Quantity</b>	<b>Condition</b>
FIW1	Fiberglass Insulation Wrap - Green	Garage Utility Closet	DR15-14, DR15-15	NAD	NA	NA	Good
JC1	Joint Compound	Throughout	DR15-18, DR15-19	5-6% C	RACM	6,570 ft <sup>2</sup>	Good
DW1	Drywall	Throughout	DR15-16, DR15-17	NAD	NA	NA	Good
CTG1	Ceramic Wall Tile Grout – White/Gray	2 <sup>nd</sup> Floor Bathroom	DR15-20, DR15-21	NAD	NA	NA	Good
CTG2	Ceramic Floor Tile Grout - Gray	1 <sup>st</sup> & 2 <sup>nd</sup> Floor Bathrooms	DR15-22, DR15-23	NAD	NA	NA	Good
USC1	Under Sink Coating - Purple	Kitchen	DR15-24, DR15-25, DR15-34	9-10% C	NF2	5 ft <sup>2</sup>	Good
RS1	Top Layer Roofing Shingle - Multicolor	Exterior Roof	DR15-26, DR15-27	NAD	NA	NA	Good
RS1	Bottom Layer Roofing Shingle – Multicolor	Exterior Roof	DR15-28, DR15-29	NAD	NA	NA	Good
RF1	Roofing Felt	Exterior Roof	DR15-30, DR15-31	NAD	NA	NA	Good
WG1	Window Glazing – Gray	Exterior	DR15-32, DR15-33	NAD	NA	NA	Good
<b>Note: NAD: No Asbestos Detected   NA: Not Applicable   Homo.: Homogenous   NF1 or NF2: Category I or II Non-Friable   C: Chrysotile   RACM: Regulated Asbestos Containing Material</b>							

Based on the results of the asbestos analysis, and assumptions made during survey, the following suspect ACM were determined to contain asbestos:

1. 12" Floor Tile – Tan/Brown – Approximately 200 ft<sup>2</sup>
2. Fire Stop – Black – < 1 ft<sup>3</sup>
3. Joint Compound – White - Approximately 6,570 ft<sup>2</sup>
4. Under Sink Coating – Purple – Approximately 5 ft<sup>2</sup>



ACM room-by-room quantifications are estimated and summarized below in Table 3.

<b>Table 3: Room by Room Quantifications</b>		
<b>ACM Description</b>	<b>Room ID</b>	<b>Estimated Quantity</b>
12"x12" Floor Tile – Beige/Tan Flecked	Bathroom 1 <sup>st</sup> Fl	25 ft <sup>2</sup>
	Utility Closet	25 ft <sup>2</sup>
	Pantry	35 ft <sup>2</sup>
	Kitchen	115 ft <sup>2</sup>
Joint Compound	Garage	700 ft <sup>2</sup>
	Mechanical Closet	120 ft <sup>2</sup>
	Utility Closet	200 ft <sup>2</sup>
	Kitchen	500 ft <sup>2</sup>
	Pantry	250 ft <sup>2</sup>
	Dining Room	600 ft <sup>2</sup>
	Living Room	600 ft <sup>2</sup>
	Foyer	125 ft <sup>2</sup>
	Stairwell	1,000 ft <sup>2</sup>
	Bedroom 1	1,000 ft <sup>2</sup>
	Bedroom 2	1,000 ft <sup>2</sup>
	2 <sup>nd</sup> Floor Hall	300 ft <sup>2</sup>
	Bathroom 2 <sup>nd</sup> Floor	175 ft <sup>2</sup>
Under Sink Coating	Kitchen	5 ft <sup>2</sup>
Fire Stop	Garage Utility Closet	<1 ft <sup>3</sup>

### 3.2 Polychlorinated Biphenyls (PCBs) Bulk Product Waste

PCBs are synthetic organic chemicals used in electrical transformers, hydraulic systems, fluorescent light ballasts, electrical panels, and other similar equipment. Additionally, this compound was used to enhance building materials such as caulking, sealant, and glazing. PCBs can be found in liquid, solid, or vapor form, and are usually colorless or light-yellow. The production of PCBs was stopped in the U.S. in 1977 due to mounting evidence of their persistence in the environment and their adverse impact on human health.

KCI's Inspector conducted a visual inspection of all accessible areas, collected bulk samples of suspect materials for PCBs, and quantified suspect PCB materials. These activities were conducted in accordance with the current U.S. Environmental Protection Agency (EPA) regulations and guidance documents.

The PCB samples were placed in the appropriate re-sealable containers and assigned unique identifiers that were recorded on the containers and on the chain-of-custody forms. One (1) sample was sent for PCB analysis, along with chain-of-custody forms to Summit Environmental Technologies, Inc. in Cuyahoga Falls, OH. All PCB sample analyses were performed following the methodologies documented in the EPA method 8082A, February 2007, "Polychlorinated Biphenyls (PCBs) By Gas Chromatography."

The EPA has determined that materials with concentrations of PCBs of greater than 50 ppm be handled and disposed of as hazardous waste. Laboratory analysis determined that the three (3) out of forty-one (41) samples analyzed identified concentrations above the EPA threshold of 50 ppm. The certificates of analysis and chain of custody forms are included in Appendix B of this report. Table 4 demonstrates a summary of the laboratory results:



Table 4: PCB Sampling Results			
Sample Number	Material Description	Location	Laboratory Result (ppm)
DR15-32	Grey/white window caulking	Side B	ND
ND – None Detected			

### 3.3 Other Potentially Hazardous Materials

#### *Mercury*

Fluorescent lamps, HID lamps, and thermostats may contain mercury and are regulated as Universal Waste. Universal waste should be recycled or disposed appropriately. KCI performed a visual inspection and prepared the following inventory of equipment that may potentially contain mercury:

Fluorescent lamps (30 each)

- *PCB Containing Light Ballasts*

Light ballasts manufactured prior to 1979 could contain PCBs. Generally, the ballast will contain about a teaspoon of concentrated (900,000 parts per million or greater) PCBs sealed inside the capacitor. The capacitor is usually surrounded by a tarlike potting material, which is in turn enclosed in the ballast box.

KCI Visually inspected each homogenous fluorescent light ballasts type to identify the “No PCBs” statement, indicating that the ballasts are free of PCBs. All light ballasts inspected during this survey displayed the “No PCBs” statement. Light ballasts that do not display the “No PCBs” statement on it, are assumed to contain PCBs.

#### *Other Hazardous Materials*

KCI performed a visual inspection for other potentially hazardous materials such as drums, chemical containers, and pails or bags of chemicals, ionizing smoke detectors, and potentially hazardous refrigerant sources and inventoried the following miscellaneous materials:

- One (1) residential grade refrigerator (refrigerant source)
- Four (4) ionizing smoke detectors

### 4.0 Recommendations

#### Asbestos

The National Emission Standard for Hazardous Air Pollutants (NESHAP) specifies work practices to be followed during demolition and renovation activities involving disturbance of ACM. In addition, the regulations require the owner of the building and/or the contractor to notify applicable State and local agencies and/or EPA Regional Offices before all demolitions, or before renovations of buildings.

NESHAP regulations also require the removal of all Regulated Asbestos Containing Materials (RACM) from a facility being demolished or renovated before any disruptive activity begins or before access to the material is precluded, RACM be adequately wet before, during, and after removal operation,



demolition/renovation activities be conducted in a manner which produces no visible emissions, and all RACM must be handled and disposed of in an approved manner.

KCI recommends that the demolition contractor and other contractors be made aware of hazardous materials that will remain in the subject properties, as these materials may influence demolition techniques and waste disposal options.

A portion of the asbestos-containing materials identified during this survey are Category I & II non-friable materials and not considered regulated ACM (RACM) in their current condition and can remain in the building, as long as the demolition practices under the Asbestos NESHAP regulation is followed. The ACM should be removed from the building if the following activities are anticipated:

- Burning of the structures or debris
- Re-use, recycling, or salvage of any asbestos-containing materials
- Grinding or abrading asbestos-containing debris

The construction debris with non-friable ACM should be disposed of in accordance with State and Federal regulations in an approved landfill.

During demolition activities, if any suspect materials not included in this survey are encountered, KCI recommends assuming the suspect material to contain asbestos until proven otherwise by lab analysis.

#### PCBs in Bulk Product Waste

#### Other Potentially Hazardous Materials

##### *Mercury Containing Equipment*

Fluorescent lamps and high intensity discharge bulbs are regulated as Universal Waste and should be recycled or disposed appropriately.

Fluorescent lamps should be placed in cardboard containers with the earliest date that any lamp was placed in the container written on the Universal Waste Sticker. The container should have "Used Lamps" written and plainly visible on the outside. Each container should remain closed once full, be structurally sound, and there should be no broken lamps placed in the containers. The containers of Universal Waste should be sent for recycling within one year of the date generated.

Broken lamps should be handled as a hazardous waste and placed in a separate container labeled "Hazardous Waste." The Hazardous Waste container should be dated with the date that the first broke lamp was placed in the container. Containers of Hazardous Waste must be disposed of within one year of generation (placement in the container).

##### *Other Miscellaneous Materials*

All other potentially hazardous materials (ionizing smoke detectors, refrigerant sources) listed should be removed and recycled or disposed of according to applicable regulations prior to demolition.

## **5.0 Disclaimer**

This report has been prepared by KCI exclusively for the Client and their Authorized Representatives. The findings and recommendations presented are based upon discussions with the Client of the conditions and may not necessarily indicate future conditions. KCI implies no warranty to the accuracy of information provided them by the Client or outside agents and transmitted herein.

V:\\_ENVIRONMENTAL\Greater\_Mid\_Atlantic\Environmental Management and Industrial Hygiene\Proposals\2021\PADGSMcKeeverEnv\ACMHazmatSurvey\Director's Residence\Report



## **Appendix A:**

### **Sample Locations Drawing**





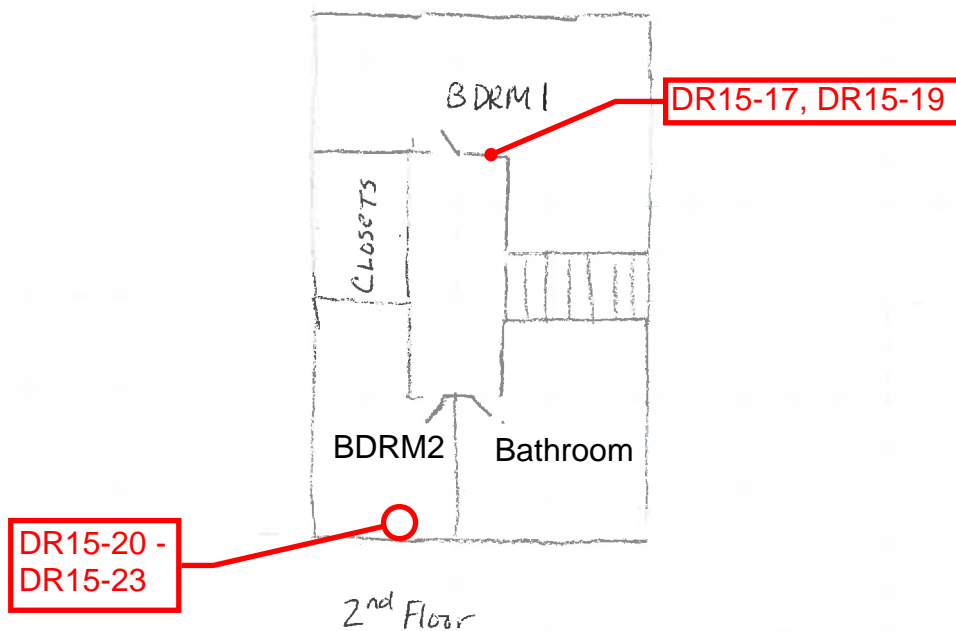
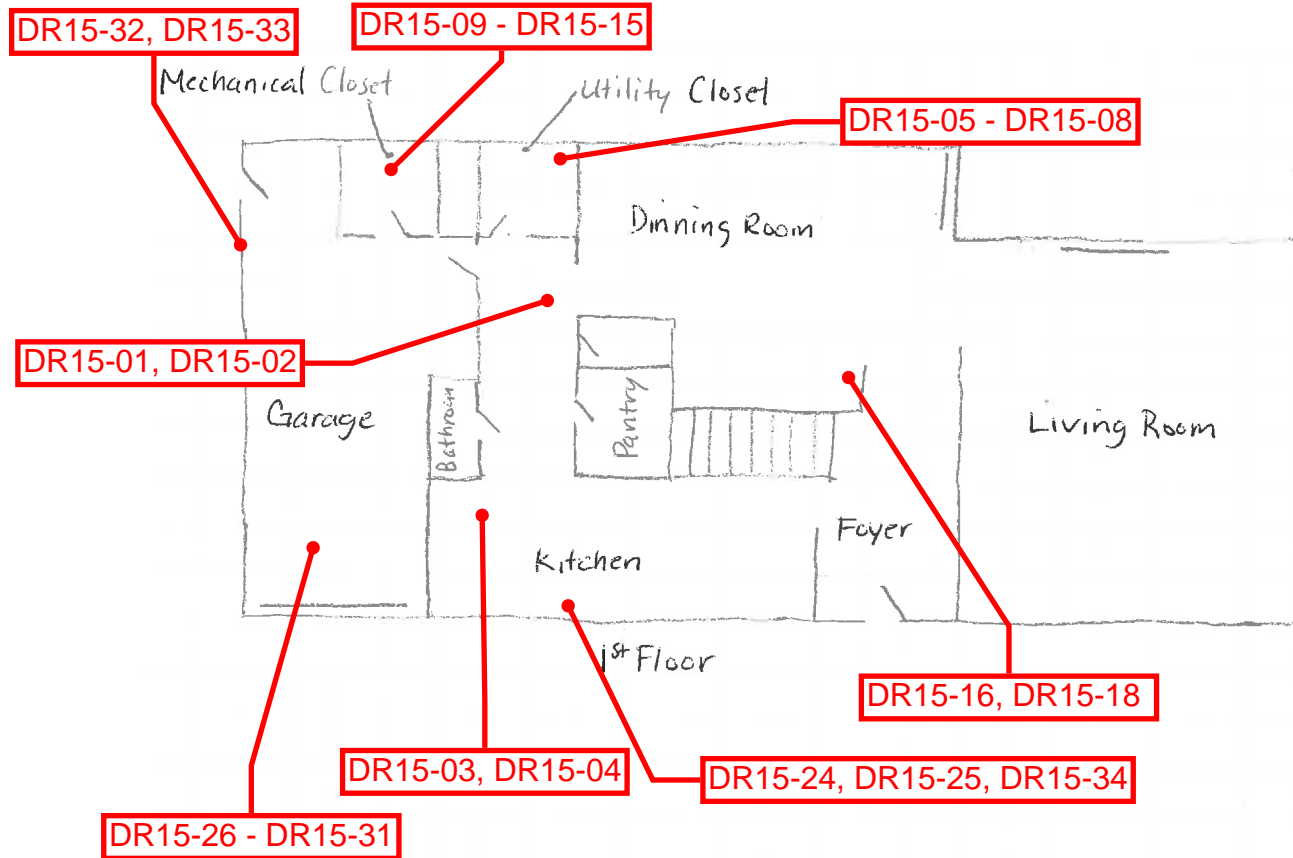
SUBJECT McKeever Environmental Center  
DR 15 - Director's Residence

JOB NUMBER \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_

DESIGN \_\_\_\_\_ DATE \_\_\_\_\_

CHECK \_\_\_\_\_ DATE \_\_\_\_\_

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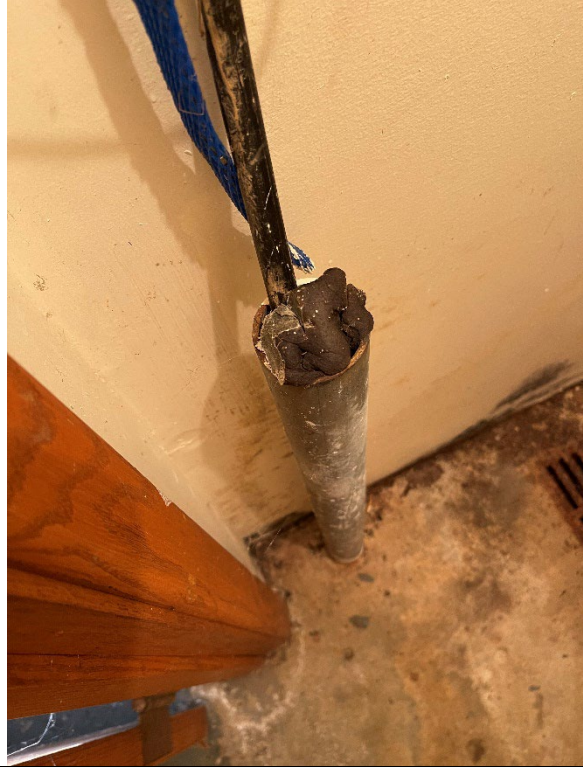
## **Appendix B:**

### **Hazardous Materials Photos**





12" Floor Tile – Beige/Tan Flecked



Fire Stop - Black



Under Sink Coating - Purple



## **Appendix C:**

### **Inspector Certifications**



**PENNSYLVANIA ASBESTOS CERTIFICATION**

**061379**



Sex	Height	Eyes	Birth Date
M	5'10"	BRO	01/01/1979

Expires 08/24/2022 Issue Date 09/13/2021

Class  
INSPECTOR

DERRICK L BOULWARE  
C/O KCI TECHNOLOGIES INC  
936 RIDGEBROOK RD  
SPARKS MD 21152

*[Signature]*

**PENNSYLVANIA ASBESTOS CERTIFICATION**

**061379**



Sex	Height	Eyes	Birth Date
M	5'10"	BRO	01/01/1979

Expires 08/24/2022 Issue Date 09/13/2021

Class  
MANAGEMENT PLANNER

DERRICK L BOULWARE  
C/O KCI TECHNOLOGIES INC  
936 RIDGEBROOK RD  
SPARKS MD 21152

*[Signature]*



**Appendix D:**  
**Laboratory Certificates of Analysis**





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Technologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Attention: Mr. Seth Cheney

Lab No: 2112057  
Customer Code: KCI  
Customer No: 09054045K  
Sampled by: Customer

Received:	Analyzed:	Reported:
December 7, 2021	December 8, 2021	December 8, 2021

Project: PA DGS McKeever Env.

Sample I.D.	743549	*	743550		743551	*
Customer I.D	DR15-01		DR15-02		DR15-03	
Sample Description	12" Floor Tile		Floor Tile Mastic		12" Floor Tile	
Is It Homogeneous?	Yes		Yes		Yes	
Does It Contain Layers?	No		No		No	
Is the Sample Fibrous?	No		No		No	
Sample Color:	Tan/Brown		Black		Tan/Brown	
Does the Sample Contain Asbestos Fibers?	Yes		No		Yes	
Asbestos Type Present: (Type and percent)	Chrysotile 3-4%		None		Chrysotile 3-4%	
Total Percent Asbestos	3-4%		0%		3-4%	
Other Fibrous Materials (Type and Percent)	Cellulose 1%		Cellulose 1%		Cellulose 1%	
Nonfibrous Constituents	Not Analyzed		Not Analyzed		Not Analyzed	

Sample analyzed according to App.E to Sub,E of 40 CFR Part 763 and EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by customer. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. NVLAP LAB CODE: 101578-0. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested and identified above. Polarized Light Microscopy may not be consistently reliable in the detection of asbestos in tightly organically bound materials. The EPA recommends that these samples, found to contain no asbestos by PLM, be re-analyzed by Quantitative Transmission Electron Microscopy.

\* NESHAP regulations recommend samples with less than 10% asbestos be re-analyzed by point count methods for asbestos content when applied to demolition/renovation projects.

Estimation of uncertainty of measurement data for samples with >1.0% asbestos concentration can be provided upon request.

Reviewed and

Approved By: \_\_\_\_\_

AGX, Inc. Daniel Winkle  
Laboratory Manager

Analyzed By: \_\_\_\_\_

AGX, Inc. Mark Porter  
Geologist





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Customer No: 09054045K

Sampled by: Customer

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Project: PA DGS McKeever Env.

Sample I.D.	743552	743553	743554
Customer I.D	<b>DR15-04</b>	<b>DR15-05</b>	<b>DR15-06</b>
Sample Description	Floor Tile Mastic	Plaster Skim Coat	Plaster Skim Coat
Is It Homogeneous?	Yes	No	No
Does It Contain Layers?	No	Yes	Yes
Is the Sample Fibrous?	No	No	No
Sample Color:	Black	White	White
<b>Does the Sample Contain Asbestos Fibers?</b>	<b>No</b>	<b>No</b>	<b>No</b>
Asbestos Type Present: (Type and percent)	None	None	None
Total Percent Asbestos	0%	0%	0%
Other Fibrous Materials (Type and Percent)	<b>Cellulose 1%</b>	<b>Cellulose 1%</b>	<b>Cellulose 1%</b>
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed

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**Reviewed and**

**Approved By:** \_\_\_\_\_

**Analyzed By:** \_\_\_\_\_

AGX, Inc. Daniel Winkle  
Laboratory Manager

AGX, Inc. Mark Porter  
Geologist





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Project: PA DGS McKeever Env.

Sample I.D.	743555	743556	743557
Customer I.D.	DR15-07	DR15-08	DR15-09
Sample Description	Cove Base Mastic	Cove Base Mastic	Pipe Fitting Insulation
Is It Homogeneous?	Yes	Yes	No
Does It Contain Layers?	No	No	Yes
Is the Sample Fibrous?	No	No	Yes
Sample Color:	Tan	Tan	Tan/White/Green
Does the Sample Contain Asbestos Fibers?	No	No	No
Asbestos Type Present: (Type and percent)	None	None	None
Total Percent Asbestos	0%	0%	0%
Other Fibrous Materials (Type and Percent)	Cellulose 1%	Cellulose 1%	Fibrous Glass 20% Cellulose 8%
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed

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Analyzed By: \_\_\_\_\_

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Laboratory Manager

AGX, Inc. Mark Porter  
Geologist





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Project: PA DGS McKeever Env.

Sample I.D.	743558	743559	743560
Customer I.D	DR15-10	DR15-11	DR15-12
Sample Description	Pipe Fitting Insulation	Pipe Fitting Insulation	Fire Stop
Is It Homogeneous?	No	No	Yes
Does It Contain Layers?	Yes	Yes	No
Is the Sample Fibrous?	Yes	Yes	Yes
Sample Color:	Tan/White/Green	Tan/White/Green	Gray
Does the Sample Contain Asbestos Fibers?	No	No	Yes
Asbestos Type Present: (Type and percent)	None	None	Chrysotile 14-15%
Total Percent Asbestos	0%	0%	14-15%
Other Fibrous Materials (Type and Percent)	Fibrous Glass 20% Cellulose 8%	Fibrous Glass 20% Cellulose 8%	Cellulose 1%
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed

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Project: PA DGS McKeever Env.

Sample I.D.	743561	743562	743563
Customer I.D	DR15-13	DR15-14	DR15-15
Sample Description	Fire Stop	Insulation Wrap	Insulation Wrap
Is It Homogeneous?	Yes	No	No
Does It Contain Layers?	No	Yes	Yes
Is the Sample Fibrous?	Yes	Yes	Yes
Sample Color:	Gray	White/Brown/Silver/Green	White/Brown/Silver/Green
Does the Sample Contain Asbestos Fibers?	Yes	No	No
Asbestos Type Present: (Type and percent)	Chrysotile 14-15%	None	None
Total Percent Asbestos	14-15%	0%	0%
Other Fibrous Materials (Type and Percent)	Cellulose 1%	Fibrous Glass 10% Cellulose 82%	Fibrous Glass 10% Cellulose 82%
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed

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Sample I.D.	743564	743565	743566	*
Customer I.D	DR15-16	DR15-17	DR15-18	
Sample Description	Drywall	Drywall	Joint Compound	
Is It Homogeneous?	Yes	No	No	
Does It Contain Layers?	No	Yes	Yes	
Is the Sample Fibrous?	Yes	Yes	Yes	
Sample Color:	White	White/Brown	White	
Does the Sample Contain Asbestos Fibers?	No	No	Yes	
Asbestos Type Present: (Type and percent)	None	None	Chrysotile 5-6%	
Total Percent Asbestos	0%	0%	5-6%	
Other Fibrous Materials (Type and Percent)	Fibrous Glass 2% Cellulose 5%	Fibrous Glass 2% Cellulose 10%	Cellulose 1%	
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed	

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Sample I.D.	743567	*	743568		743569	
Customer I.D	DR15-19		DR15-20		DR15-21	
Sample Description	Joint Compound		Ceramic Wall Tile Grout		Ceramic Wall Tile Grout	
Is It Homogeneous?	No		No		No	
Does It Contain Layers?	Yes		Yes		Yes	
Is the Sample Fibrous?	Yes		No		No	
Sample Color:	White		White/Gray		White/Gray	
Does the Sample Contain Asbestos Fibers?	Yes		No		No	
Asbestos Type Present: (Type and percent)	Chrysotile 5-6%		None		None	
Total Percent Asbestos	5-6%		0%		0%	
Other Fibrous Materials (Type and Percent)	Cellulose 1%		Cellulose <1%		Cellulose <1%	
Nonfibrous Constituents	Not Analyzed		Not Analyzed		Not Analyzed	

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Sample I.D.	743570	743571	743572
Customer I.D	DR15-22	DR15-23	DR15-24
Sample Description	Ceramic Floor Tile Grout	Ceramic Floor Tile Grout	Under Sink Coating
Is It Homogeneous?	Yes	Yes	Yes
Does It Contain Layers?	No	No	No
Is the Sample Fibrous?	No	No	Yes
Sample Color:	Gray	Gray	Purple
Does the Sample Contain Asbestos Fibers?	No	No	Yes
Asbestos Type Present: (Type and percent)	None	None	Chrysotile 9-10%
Total Percent Asbestos	0%	0%	9-10%
Other Fibrous Materials (Type and Percent)	None	None	Cellulose 1%
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed

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Sample I.D.	743573	743574	743575
Customer I.D	DR15-25	DR15-26	DR15-27
Sample Description	Under Sink Coating	Shingle	Shingle
Is It Homogeneous?	Yes	No	No
Does It Contain Layers?	No	Yes	Yes
Is the Sample Fibrous?	Yes	Yes	Yes
Sample Color:	Purple	Black/Gray/BN/Orange	Black/Gray/BN/Orange
Does the Sample Contain Asbestos Fibers?	Yes	No	No
Asbestos Type Present: (Type and percent)	Chrysotile 9-10%	None	None
Total Percent Asbestos	9-10%	0%	0%
Other Fibrous Materials (Type and Percent)	Cellulose 1%	Fibrous Glass 18%	Fibrous Glass 18%
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed

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Reviewed and

Approved By: \_\_\_\_\_

Analyzed By: \_\_\_\_\_

AGX, Inc. Daniel Winkle  
Laboratory Manager

AGX, Inc. Mark Porter  
Geologist





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Tehnologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Lab No: 2112057  
Customer Code: KCI  
Customer No: 09054045K  
Sampled by: Customer

Attention: Mr. Seth Cheney

Received:	Analyzed:	Reported:
December 7, 2021	December 8, 2021	December 8, 2021

Project: PA DGS McKeever Env.

Sample I.D.	743576	743577	743578
Customer I.D	DR15-28	DR15-29	DR15-30
Sample Description	Shingle	Shingle	Roofing Felt
Is It Homogeneous?	No	No	Yes
Does It Contain Layers?	Yes	Yes	No
Is the Sample Fibrous?	Yes	Yes	Yes
Sample Color:	Black/Gray/Red	Black/Gray/Red	Black
Does the Sample Contain Asbestos Fibers?	No	No	No
Asbestos Type Present: (Type and percent)	None	None	None
Total Percent Asbestos	0%	0%	0%
Other Fibrous Materials (Type and Percent)	Fibrous Glass 18%	Cellulose 1%	Cellulose 92%
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed

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Reviewed and  
Approved By: \_\_\_\_\_

Analyzed By: \_\_\_\_\_

AGX, Inc. Daniel Winkle  
Laboratory Manager

AGX, Inc. Mark Porter  
Geologist





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
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- Surveys

Report To: KCI Technologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Attention: Mr. Seth Cheney

Lab No: 2112057  
Customer Code: KCI  
Customer No: 09054045K  
Sampled by: Customer

Received:	Analyzed:	Reported:
December 7, 2021	December 8, 2021	December 8, 2021

Project: PA DGS McKeever Env.

Sample I.D.	743579	743580	743581
Customer I.D	DR15-31	DR15-32	DR15-33
Sample Description	Roofing Felt	Window Glazing	Window Glazing
Is It Homogeneous?	Yes	No	Yes
Does It Contain Layers?	No	Yes	No
Is the Sample Fibrous?	Yes	No	Yes
Sample Color:	Black	Gray/Brown	Gray
Does the Sample Contain Asbestos Fibers?	No	No	No
Asbestos Type Present: (Type and percent)	None	None In Gray Layer None In Brown Layer	None
Total Percent Asbestos	0%	0%	0%
Other Fibrous Materials (Type and Percent)	Cellulose 92%	Cellulose 3%	Cellulose 4%
Nonfibrous Constituents	Not Analyzed		Not Analyzed

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Reviewed and

Approved By: \_\_\_\_\_

Analyzed By: \_\_\_\_\_

AGX, Inc. Daniel Winkle  
Laboratory Manager

AGX, Inc. Mark Porter  
Geologist





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Technologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Attention: Mr. Seth Cheney

Lab No: 2112057  
Customer Code: KCI  
Customer No: 09054045K  
Sampled by: Customer

Received:	Analyzed:	Reported:
December 7, 2021	December 8, 2021	December 8, 2021

Project: PA DGS McKeever Env.

Sample I.D.	743582	743583
Customer I.D	<b>DR15-34</b>	<b>DR15-35</b>
Sample Description	Under Sink Coating	Ceramic Floor Tile Grout
Is It Homogeneous?	Yes	Yes
Does It Contain Layers?	No	No
Is the Sample Fibrous?	Yes	No
Sample Color:	Purple	Gray
<b>Does the Sample Contain Asbestos Fibers?</b>	<b>Yes</b>	<b>No</b>
Asbestos Type Present: (Type and percent)	<b>Chrysotile</b> 9-10%	None
Total Percent Asbestos	9-10%	0%
Other Fibrous Materials (Type and Percent)	<b>Cellulose</b> 1%	<b>None</b>
Nonfibrous Constituents	Not Analyzed	Not Analyzed

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**Reviewed and**

**Approved By:** \_\_\_\_\_

**Analyzed By:** \_\_\_\_\_

AGX, Inc. Daniel Winkle  
Laboratory Manager

AGX, Inc. Mark Porter  
Geologist



- Air Monitoring
- Testing Laboratory
- Project Management

## REQUEST FOR PLM LABORATORY SERVICES – Chain of Custody –

### Customer Information

Report Results To	Customer Purchase Order Number:		Customer Job number: 09054045K	
	Name Derrick Boulware	Title Scientist	Name Same	
	Company KCI Technologies, Inc.		Company	
	Address 936 Ridgebrook Rd.		Address	
	City Sparks	State MD	Zip 21152	City State Zip
	Phone: 410-316-7800	Fax:	Phone:	Fax:
Email Results to: derrick.boulware@kci.com; jonathan.coale@kci.com				

Samples Collected By: Derrick Boulware Project: McKeever Env.-Directors Residence Job No. 09054045K

AGX Lab Number: \_\_\_\_\_ AGX Customer Code: \_\_\_\_\_ Results Required \_\_\_\_\_

Special Instructions		Sample Condition: <input type="checkbox"/> Acceptable <input type="checkbox"/> Not Acceptable		
Rush Charges Authorized? <input type="checkbox"/> Yes <input type="checkbox"/> No				
Sample Identification		Date Sampled	Sample Disposition Discard Return Archive	AGX Serial Number
Customer Number	Description			
DR15-01	Beige and Tan Flecked 12x12" Floor Tile	12-01-21		
DR15-02	Black Floor Tile Mastic	12-01-21		
DR15-03	Beige and Tan Flecked 12x12" Floor Tile	12-01-21		
DR15-04	Black Floor Tile Mastic	12-01-21		
DR15-05	White Plaster Skim Coat	12-01-21		
DR15-06	White Plaster Skim Coat	12-01-21		
DR15-07	Brown Cove Base Mastic	12-01-21		
DR15-08	Brown Cove Base Mastic	12-01-21		
DR15-09	White Mudded Pipe Fitting Insulation	12-01-21		
DR15-10	White Mudded Pipe Fitting Insulation	12-01-21		
DR15-11	White Mudded Pipe Fitting Insulation	12-01-21		
DR15-12	Black Fire Stop	12-01-21		
DR15-13	Black Fire Stop	12-01-21		
DR15-14	Green Fiberglass Insulation Wrap	12-01-21		
DR15-15	Green Fiberglass Insulation Wrap	12-01-21		
DR15-16	Drywall	12-01-21		
Chain of Custody	Relinquished By (Signature):	Date	Time	
	Logged By:			
	Lab:			



- Air Monitoring
- Testing Laboratory
- Project Management

## REQUEST FOR PLM LABORATORY SERVICES – Chain of Custody –

### Customer Information

Report Results To	Customer Purchase Order Number:		Customer Job number: 09054045K	
	Name Derrick Boulware	Title Scientist	Name Same	
	Company KCI Technologies, Inc.		Company	
	Address 936 Ridgebrook Rd.		Address	
	City Sparks	State MD	Zip 21152	City State Zip
	Phone: 410-316-7800	Fax:	Phone:	Fax:
Email Results to: derrick.boulware@kci.com; jonathan.coale@kci.com				

Samples Collected By: Derrick Boulware Project: McKeever Env.-Directors Residence Job No. 09054045K

AGX Lab Number: \_\_\_\_\_ AGX Customer Code: \_\_\_\_\_ Results Required \_\_\_\_\_

Special Instructions		Sample Condition: <input type="checkbox"/> Acceptable <input type="checkbox"/> Not Acceptable		
Rush Charges Authorized? <input type="checkbox"/> Yes <input type="checkbox"/> No				
Sample Identification		Date Sampled	Sample Disposition Discard Return Archive	AGX Serial Number
Customer Number	Description			
DR15-17	Drywall	12-01-21		
DR15-18	Joint Compound	12-01-21		
DR15-19	Joint Compound	12-01-21		
DR15-20	White Ceramic Wall Tile Grout	12-01-21		
DR15-21	White Ceramic Wall Tile Grout	12-01-21		
DR15-22	Gray Ceramic Floor Tile Grout	12-01-21		
DR15-23	Gray Ceramic Floor Tile Grout	12-01-21		
DR15-24	Purple Under Sink Coating	12-01-21		
DR15-25	Purple Under Sink Coating	12-01-21		
DR15-26	Red/Black Asphalt Shingle	12-01-21		
DR15-27	Red/Black Asphalt Shingle	12-01-21		
DR15-28	Gray/Black Asphalt Shingle	12-01-21		
DR15-29	Gray/Black Asphalt Shingle	12-01-21		
DR15-30	Black Roofing Felt	12-01-21		
DR15-31	Black Roofing Felt	12-01-21		
DR15-32	Gray Window Glazing	12-01-21		
Chain of Custody	Relinquished By (Signature):	Date	Time	
	Logged By:			
	Lab:			



- Air Monitoring
- Testing Laboratory
- Project Management

## REQUEST FOR PLM LABORATORY SERVICES

– Chain of Custody –

### Customer Information

Report Results To	Customer Purchase Order Number:		Customer Job number: 09054045K	
	Name Derrick Boulware	Title Scientist	Name Same	
	Company KCI Technologies, Inc.		Company	
	Address 936 Ridgebrook Rd.		Address	
	City Sparks	State MD	Zip 21152	City State Zip
	Phone: 410-316-7800	Fax:	Phone:	Fax:
Email Results to: derrick.boulware@kci.com; jonathan.coale@kci.com				

Samples Collected By: Derrick Boulware Project: McKeever Env.-Directors Residence Job No. 09054045K

AGX Lab Number: \_\_\_\_\_ AGX Customer Code: \_\_\_\_\_ Results Required \_\_\_\_\_

Special Instructions		Sample Condition: <input type="checkbox"/> Acceptable <input type="checkbox"/> Not Acceptable		
Rush Charges Authorized? <input type="checkbox"/> Yes <input type="checkbox"/> No				
Sample Identification		Date Sampled	Sample Disposition Discard Return Archive	AGX Serial Number
Customer Number	Description			
DR15-33	Gray Window Glazing	12-01-21		
DR15-34	Purple Under Sink Coating	12-01-21		
Chain of Custody	Relinquished By (Signature):		Date	Time
	Logged By:			
Lab:				



Samples Collected By DG ND Job No. 22-044 Lab Number: 2201094 Client Code: KCI Results Required \_\_\_\_\_  
 Date Sampled: 1/27/22 Project: McKeever Environmental Center Page 1 of 2

Special Instructions:		Sample Condition:		Sample Disposition	
Rush Charges Billable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Not Acceptable		<input type="checkbox"/> Discard <input type="checkbox"/> Archive <input type="checkbox"/> Return	
SERIAL NUMBER	SAMPLE NUMBER	MATERIAL	LOCATION / AREA	PHOTO	
746195	ADM-01	12 x 12 Ceiling Tile	Admin Building	Staff Work Room	
746196	ADM-02		↓	Women's Restroom	
746197	ADM-03		↓	Office	
746198	SL-01	Joint Compound	South Lodge	Girls Dorm - West Wall	
746199	SL-02			Girls Dorm - East Wall	
746200	SL-03			Boys Dorm - East Wall	
746201	SL-04			Boys Dorm - West Wall	
746202	SL-05			Common Area	
746203	SL-06	Pipe Fitting		Girls Dorm - Restroom	
746204	SL-07	Ceiling Plaster		Girls Dorm - Restroom	
746205	SL-08	Wall Plaster		↓ Custodial Closet	
746206	SL-09	Ceiling Plaster		Boys Dorm - Restroom	
746207	WL-01	Joint Compound	West Lodge	Girls Dorm - West Wall	
746208	WL-02			Girls Dorm - East Wall	
746209	WL-03			Common Area	
746210	WL-04			Boys Dorm - East Wall	
746211	WL-05			Boys Dorm - West Wall	

Chain of Custody	Relinquished By	<u>Maen Davies</u>	Date	<u>1-27-22</u>	Time	<u>4:15</u>
	Logged By	<u>Maen Davies</u>	Date	<u>1-27-22</u>	Time	<u>4:40</u>
	Received by Lab	<u>Maen Davies</u>	Date	<u>1-31-22</u>	Time	<u>7:14pm</u>



[illegible]





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Tehnologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Attention: Mr. Seth Cheney

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

Project: McKeever Environmental Center

Sample I.D.	746195	746196	746197
Customer I.D.	ADM-01	ADM-02	ADM-03
Sample Description	Ceiling Tile Staff Work Room Admin Building	Ceiling Tile Women's Restroom Admin Building	Ceiling Tile Office Admin Building
Is It Homogeneous?	No	No	No
Does It Contain Layers?	Yes	Yes	Yes
Is the Sample Fibrous?	Yes	Yes	Yes
Sample Color:	Brown/White	Brown/White	Brown/White
Does the Sample Contain Asbestos Fibers?	No	No	No
Asbestos Type Present: (Type and percent)	None	None	None
Total Percent Asbestos	0%	0%	0%
Other Fibrous Materials (Type and Percent)	Fibrous Glass 82% Cellulose 15%	Fibrous Glass 82% Cellulose 15%	Fibrous Glass 82% Cellulose 15%
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed

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Reviewed and  
Approved By:

AGX, Inc. Daniel Winkle  
Laboratory Manager

Analyzed By:

AGX, Inc. Mark Porter  
Geologist



## REPORT OF BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Technologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Attention: Mr. Seth Cheney

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

Project: McKeever Environmental Center

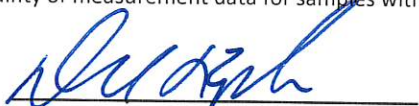
Sample I.D.	746198	*	746199	*	746200	*
Customer I.D	SL-01		SL-02		SL-03	
Sample Description	Joint Compound Girl's Dorm Wet Wall South Lodge		Joint Compound Girl's Dorm East Wall South Lodge		Joint Compound Boy's Dorm East Wall South Lodge	
Is It Homogeneous?	Yes		Yes		Yes	
Does It Contain Layers?	No		No		No	
Is the Sample Fibrous?	Yes		Yes		Yes	
Sample Color:	Tan		Tan		Tan	
Does the Sample Contain Asbestos Fibers?	Yes		Yes		Yes	
Asbestos Type Present: (Type and percent)	Chrysotile 4-5%		Chrysotile 4-5%		Chrysotile 4-5%	
Total Percent Asbestos	4-5%		4-5%		4-5%	
Other Fibrous Materials (Type and Percent)	Cellulose 1%		Cellulose 1%		Cellulose 1%	
Nonfibrous Constituents	Not Analyzed		Not Analyzed		Not Analyzed	

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\* NESHAP regulations recommend samples with less than 10% asbestos be re-analyzed by point count methods for asbestos content when applied to demolition/renovation projects.

Estimation of uncertainty of measurement data for samples with >1.0% asbestos concentration can be provided upon request.

Reviewed and  
Approved By:



AGX, Inc. Daniel Winkle  
Laboratory Manager

Analyzed By:



AGX, Inc. Mark Porter  
Geologist





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
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Report To: KCI Tehnologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Attention: Mr. Seth Cheney

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

Project: **McKeever Environmental Center**

Sample I.D.	746201	*	746202	*	746203
Customer I.D.	SL-04		SL-05		SL-06
Sample Description	Joint Compound Boy's Dorm West Wall South Lodge		Joint Compound Common Area South Lodge		Rope Fitting Girl's Dorm Restroom South Lodge
Is It Homogeneous?	Yes		Yes		Yes
Does It Contain Layers?	No		No		No
Is the Sample Fibrous?	Yes		Yes		Yes
Sample Color:	Tan		Tan		Tan
Does the Sample Contain Asbestos Fibers?	Yes		Yes		No
Asbestos Type Present: (Type and percent)	Chrysotile 4-5%		Chrysotile 4-5%		None
Total Percent Asbestos	4-5%		4-5%		0%
Other Fibrous Materials (Type and Percent)	Cellulose 1%		Cellulose 1%		Fibrous Glass 18% Cellulose 1%
Nonfibrous Constituents	Not Analyzed		Not Analyzed		Not Analyzed

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Reviewed and  
Approved By:

AGX, Inc.

Daniel Winkle  
Laboratory Manager

Analyzed By:

AGX, Inc.

Mark Porter  
Geologist





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BULK SAMPLE ANALYSIS

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500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Attention: Mr. Seth Cheney

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

Project: McKeever Environmental Center

Sample I.D.	746204	746205	746206
Customer I.D.	SL-07	SL-08	SL-09
Sample Description	Ceiling Plaster Girl's Dorm Restroom South Lodge	Wall Plaster Girl's Dorm Custodial Closet South Lodge	Ceiling Plaster Boy's Dorm Restroom South Lodge
Is It Homogeneous?	Yes	No	No
Does It Contain Layers?	No	Yes	Yes
Is the Sample Fibrous?	No	No	No
Sample Color:	White	Gray/White	White/Gray
Does the Sample Contain Asbestos Fibers?	No	No	No
Asbestos Type Present: (Type and percent)	None	None in base coat None in finish coat	None in base coat None in finish coat
Total Percent Asbestos	0%	0%	0%
Other Fibrous Materials (Type and Percent)	Cellulose <1%	Cellulose <1%	Cellulose <1%
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed

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Reviewed and  
Approved By:

AGX, Inc. Daniel Winkle  
Laboratory Manager

Analyzed By:

AGX, Inc. Mark Porter  
Geologist





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Technologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Attention: Mr. Seth Cheney

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

Project: McKeever Environmental Center

Sample I.D.	746207	*	746208	*	746209	*
Customer I.D.	WL-01		WL-02		WL-03	
Sample Description	Joint Compound Girl's Dorm West Wall West Lodge		Joint Compound Girl's Dorm East Wall West Lodge		Joint Compound Common Area West Lodge	
Is It Homogeneous?	Yes		Yes		Yes	
Does It Contain Layers?	No		No		No	
Is the Sample Fibrous?	Yes		Yes		Yes	
Sample Color:	White		White		White	
Does the Sample Contain Asbestos Fibers?	Yes		Yes		Yes	
Asbestos Type Present: (Type and percent)	Chrysotile 4-5%		Chrysotile 4-5%		Chrysotile 4-5%	
Total Percent Asbestos	4-5%		4-5%		4-5%	
Other Fibrous Materials (Type and Percent)	Cellulose 1%		Cellulose 1%		Cellulose 1%	
Nonfibrous Constituents	Not Analyzed		Not Analyzed		Not Analyzed	

Sample analyzed according to App.E to Sub.E of 40 CFR Part 763 and EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by customer. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. NVLAP LAB CODE: 101578-0. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested and identified above. Polarized Light Microscopy may not be consistently reliable in the detection of asbestos in tightly organically bound materials. The EPA recommends that these samples, found to contain no asbestos by PLM, be re-analyzed by Quantitative Transmission Electron Microscopy.

\* NESHAP regulations recommend samples with less than 10% asbestos be re-analyzed by point count methods for asbestos content when applied to demolition/renovation projects.

Estimation of uncertainty of measurement data for samples with >1.0% asbestos concentration can be provided upon request.

Reviewed and  
Approved By:

AGX, Inc. Daniel Winkle  
Laboratory Manager

Analyzed By:

AGX, Inc. Mark Porter  
Geologist



## REPORT OF BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Tehnologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108  
Attention: Mr. Seth Cheney

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

Project: McKeever Environmental Center

Sample I.D.	746210	*	746211	*	746212	*
Customer I.D.	WL-04		WL-05		WL-06	
Sample Description	Joint Compound Boy's Dorm East Wall West Lodge		Joint Compound Boy's Dorm West Wall West Lodge		Joint Compound Staff Quarters Kitchen West Lodge	
Is It Homogeneous?	Yes		Yes		Yes	
Does It Contain Layers?	No		No		No	
Is the Sample Fibrous?	Yes		Yes		Yes	
Sample Color:	White		White		White	
Does the Sample Contain Asbestos Fibers?	Yes		Yes		Yes	
Asbestos Type Present: (Type and percent)	Chrysotile 4-5%		Chrysotile 4-5%		Chrysotile 4-5%	
Total Percent Asbestos	4-5%		4-5%		4-5%	
Other Fibrous Materials (Type and Percent)	Cellulose 1%		Cellulose 1%		Cellulose 1%	
Nonfibrous Constituents	Not Analyzed		Not Analyzed		Not Analyzed	

Sample analyzed according to App.E to Sub,E of 40 CFR Part 763 and EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by customer. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. NVLAP LAB CODE: 101578-0. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested and identified above. Polarized Light Microscopy may not be consistently reliable in the detection of asbestos in tightly organically bound materials. The EPA recommends that these samples, found to contain no asbestos by PLM, be re-analyzed by Quantitative Transmission Electron Microscopy.

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Estimation of uncertainty of measurement data for samples with >1.0% asbestos concentration can be provided upon request.

Reviewed and  
Approved By:



AGX, Inc.

Daniel Winkle  
Laboratory Manager

Analyzed By:



AGX, Inc.

Mark Porter  
Geologist





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Tehnologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Attention: Mr. Seth Cheney

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

Project: McKeever Environmental Center

Sample I.D.	746213	*	746214	*	746215
Customer I.D	WL-07		WL-08		WL-09
Sample Description	Joint Compound Staff Quarters Bedroom 2 West Lodge		Joint Compound Staff Quarters Bedroom 1 West Lodge		Wall Plaster Boy's Dorm Custodial Closet West Lodge
Is It Homogeneous?	Yes		Yes		No
Does It Contain Layers?	No		No		Yes
Is the Sample Fibrous?	Yes		Yes		No
Sample Color:	White		White		White/Gray
Does the Sample Contain Asbestos Fibers?	Yes		Yes		No
Asbestos Type Present: (Type and percent)	Chrysotile 4-5%		Chrysotile 4-5%		None in base coat None in finish coat
Total Percent Asbestos	4-5%		4-5%		0%
Other Fibrous Materials (Type and Percent)	Cellulose 1%		Cellulose 1%		Cellulose <1%
Nonfibrous Constituents	Not Analyzed		Not Analyzed		Not Analyzed

Sample analyzed according to App.E to Sub.E of 40 CFR Part 763 and EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by customer. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. NVLAP LAB CODE: 101578-0. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested and identified above. Polarized Light Microscopy may not be consistently reliable in the detection of asbestos in tightly organically bound materials. The EPA recommends that these samples, found to contain no asbestos by PLM, be re-analyzed by Quantitative Transmission Electron Microscopy. \* NESHAP regulations recommend samples with less than 10% asbestos be re-analyzed by point count methods for asbestos content when applied to demolition/renovation projects.

Estimation of uncertainty of measurement data for samples with >1.0% asbestos concentration can be provided upon request.

Reviewed and  
Approved By:

AGX, Inc. Daniel Winkle  
Laboratory Manager

Analyzed By:

AGX, Inc. Mark Porter  
Geologist





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Tehnologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Attention: Mr. Seth Cheney

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

Project: McKeever Environmental Center

Sample I.D.	746216	746217	746218	*
Customer I.D	WL-10	WL-11	NL-01	
Sample Description	Wall Plaster Girl's Dorm Custodial Closet West Lodge	Ceiling Plaster Girl's Dorm Restroom West Lodge	Joint Compound Girl's Dorm North Wall North Lodge	
Is It Homogeneous?	No	No	Yes	
Does It Contain Layers?	Yes	Yes	No	
Is the Sample Fibrous?	No	No	Yes	
Sample Color:	Gray/White	Gray/White	White	
Does the Sample Contain Asbestos Fibers?	No	No	Yes	
Asbestos Type Present: (Type and percent)	None in base coat None in finish coat	None in base coat None in finish coat	Chrysotile 4-5%	
Total Percent Asbestos	0%	0%	4-5%	
Other Fibrous Materials (Type and Percent)	Cellulose <1%	Cellulose <1%	Cellulose 1%	
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed	

Sample analyzed according to App.E to Sub,E of 40 CFR Part 763 and EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by customer. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. NVLAP LAB CODE: 101578-0. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested and identified above. Polarized Light Microscopy may not be consistently reliable in the detection of asbestos in tightly organically bound materials.

The EPA recommends that these samples, found to contain no asbestos by PLM, be re-analyzed by Quantitative Transmission Electron Microscopy.

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Estimation of uncertainty of measurement data for samples with >1.0% asbestos concentration can be provided upon request.

Reviewed and  
Approved By:

AGX, Inc.

Daniel Winkle  
Laboratory Manager

Analyzed By:

AGX, Inc.

Mark Porter  
Geologist





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Tehnologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Attention: Mr. Seth Cheney

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

**Project: McKeever Environmental Center**

Sample I.D.	746219	*	746220	*	746221	*
Customer I.D	<b>NL-02</b>		<b>NL-03</b>		<b>NL-04</b>	
Sample Description	Joint Compound Girl's Dorm Stairwell North Lodge		Joint Compound Common Area North Lodge		Joint Compound Boy's Dorm South Wall North Lodge	
Is It Homogeneous?	Yes		Yes		Yes	
Does It Contain Layers?	No		No		No	
Is the Sample Fibrous?	Yes		Yes		Yes	
Sample Color:	White		White		White	
<b>Does the Sample Contain Asbestos Fibers?</b>	<b>Yes</b>		<b>Yes</b>		<b>Yes</b>	
Asbestos Type Present: (Type and percent)	<b>Chrysotile</b> 4-5%		<b>Chrysotile</b> 4-5%		<b>Chrysotile</b> 4-5%	
Total Percent Asbestos	4-5%		4-5%		4-5%	
Other Fibrous Materials (Type and Percent)	<b>Cellulose 1%</b>		<b>Cellulose 1%</b>		<b>Cellulose 1%</b>	
Nonfibrous Constituents	Not Analyzed		Not Analyzed		Not Analyzed	

Sample analyzed according to App.E to Sub,E of 40 CFR Part 763 and EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by customer. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. NVLAP LAB CODE: 101578-0. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested and identified above. Polarized Light Microscopy may not be consistently reliable in the detection of asbestos in tightly organically bound materials. The EPA recommends that these samples, found to contain no asbestos by PLM, be re-analyzed by Quantitative Transmission Electron Microscopy. \* NESHAP regulations recommend samples with less than 10% asbestos be re-analyzed by point count methods for asbestos content when applied to demolition/renovation projects.

Estimation of uncertainty of measurement data for samples with >1.0% asbestos concentration can be provided upon request.

**Reviewed and  
Approved By:**

AGX, Inc. Daniel Winkle  
Laboratory Manager

**Analyzed By:**

AGX, Inc. Mark Porter  
Geologist





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
- Testing Laboratory
- Project Management
- Surveys

Report To: KCI Technologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Attention: Mr. Seth Cheney

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

Project: McKeever Environmental Center

Sample I.D.	746222	*	746223		746224	
Customer I.D	NL-05		NL-06		NL-07	
Sample Description	Joint Compound Boy's Dorm North Wall North Lodge		Wall Plaster Boy's Dorm Custodial Closet North Lodge		Ceiling Plaster Boy's Dorm Restroom North Lodge	
Is It Homogeneous?	Yes		No		No	
Does It Contain Layers?	No		Yes		Yes	
Is the Sample Fibrous?	Yes		No		No	
Sample Color:	White		Gray/White		Gray/White	
Does the Sample Contain Asbestos Fibers?	Yes		No		No	
Asbestos Type Present: (Type and percent)	Chrysotile 4-5%		None in base coat None in finish coat		None in base coat None in finish coat	
Total Percent Asbestos	4-5%		0%		0%	
Other Fibrous Materials (Type and Percent)	Cellulose 1%		Cellulose <1%		Cellulose <1%	
Nonfibrous Constituents	Not Analyzed		Not Analyzed		Not Analyzed	

Sample analyzed according to App.E to Sub,E of 40 CFR Part 763 and EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by customer. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. NVLAP LAB CODE: 101578-0. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested and identified above. Polarized Light Microscopy may not be consistently reliable in the detection of asbestos in tightly organically bound materials. The EPA recommends that these samples, found to contain no asbestos by PLM, be re-analyzed by Quantitative Transmission Electron Microscopy. \* NESHAP regulations recommend samples with less than 10% asbestos be re-analyzed by point count methods for asbestos content when applied to demolition/renovation projects.

Estimation of uncertainty of measurement data for samples with >1.0% asbestos concentration can be provided upon request.

Reviewed and  
Approved By:

AGX, Inc. Daniel Winkle  
Laboratory Manager

Analyzed By:

AGX, Inc. Mark Porter  
Geologist





REPORT OF  
BULK SAMPLE ANALYSIS

- Air Monitoring
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Report To: KCI Tehnologies  
500 Cherrington Parkway  
Suite 210  
Moon Township, PA 15108

Lab No: 2201094  
Customer Code: KCI  
Customer No: Verbal  
Sampled by: AGX, Inc.

Attention: Mr. Seth Cheney

Received:	Analyzed:	Reported:
January 27, 2022	January 31, 2022	February 1, 2022

Project: McKeever Environmental Center

Sample I.D.	746225				
Customer I.D	NL-08				
Sample Description	Ceiling Plaster Girl's Dorm Restroom North Lodge				
Is It Homogeneous?	No				
Does It Contain Layers?	Yes				
Is the Sample Fibrous?	No				
Sample Color:	Gray/White				
Does the Sample Contain Asbestos Fibers?	No				
Asbestos Type Present: (Type and percent)	None in base coat None in finish coat				
Total Percent Asbestos	0%				
Other Fibrous Materials (Type and Percent)	Cellulose <1%				
Nonfibrous Constituents	Not Analyzed				

Sample analyzed according to App.E to Sub,E of 40 CFR Part 763 and EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by customer. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. NVLAP LAB CODE: 101578-0. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested and identified above. Polarized Light Microscopy may not be consistently reliable in the detection of asbestos in tightly organically bound materials. The EPA recommends that these samples, found to contain no asbestos by PLM, be re-analyzed by Quantitative Transmission Electron Microscopy. Estimation of uncertainty of measurement data for samples with >1.0% asbestos concentration can be provided upon request.

Reviewed and  
Approved By:

AGX, Inc. Daniel Winkle  
Laboratory Manager

Analyzed By:

AGX, Inc. Mark Porter  
Geologist





Summit Environmental Technologies, Inc.  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

January 04, 2022

Dr. Lykourgos Lordanidis  
RJ Lee Group, Inc.  
350 Hocherg Rd  
Monroeville, PA 15146  
TEL: (724) 325-1776  
FAX: (724) 733-1799

RE:

Dear Dr. Lykourgos Lordanidis:

Order No.: 21121331

Summit Environmental Technologies, Inc. received 5 sample(s) on 12/20/2021 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Holly Florea  
Project Manager  
3310 Win St.  
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 011, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C





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Cuyahoga Falls, Ohio 44223  
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## Case Narrative

WO#: 21121331  
Date: 1/4/2022

---

**CLIENT:** RJ Lee Group, Inc.

**Project:**

---

### WorkOrder Narrative:

This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

### Prep Sample Comments:

21121331-001 through 005 Prep Comments for SVPREP\_PCB\_S(3546), Sample lacked of volume, used all volume received.

---

Original





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3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

## Workorder Sample Summary

WO#: 21121331  
04-Jan-22

**CLIENT:** RJ Lee Group, Inc.

**Project:**

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
21121331-001	DH45-15		12/1/2021	12/20/2021 9:45:00 AM	Solid
21121331-002	DH45-45		12/1/2021	12/20/2021 9:45:00 AM	Solid
21121331-003	ADM55-21		12/1/2021	12/20/2021 9:45:00 AM	Solid
21121331-004	ADM55-23		12/1/2021	12/20/2021 9:45:00 AM	Solid
21121331-005	DR-15-33		12/1/2021	12/20/2021 9:45:00 AM	Solid





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Website: <http://www.settek.com>

## Analytical Report

(consolidated)

WO#: 21121331

Date Reported: 1/4/2022

**CLIENT:** RJ Lee Group, Inc.

**Collection Date:** 12/1/2021

**Project:**

**Lab ID:** 21121331-001

**Matrix:** SOLID

**Client Sample ID:** DH45-15

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>PCB ANALYSIS (SW846: 8082)</b> <b>SVOC PCB (8082) 7-AROCLORS</b>					<b>SW8082</b>	<b>SW3546</b> Analyst: <b>PGP</b>
Total PCBs	ND	0.314		mg/Kg	1	1/3/2022 4:51:00 PM

<b>Qualifiers:</b>	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode

Original





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## Analytical Report

(consolidated)

WO#: 21121331

Date Reported: 1/4/2022

CLIENT: RJ Lee Group, Inc.

Collection Date: 12/1/2021

Project:

Lab ID: 21121331-002

Matrix: SOLID

Client Sample ID: DH45-45

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCB ANALYSIS (SW846: 8082) SVOC PCB (8082) 7-AROCLORS					SW8082 SW3546	Analyst: PGP
Total PCBs	ND	6.54		mg/Kg	1	1/3/2022 5:08:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode

Original





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## Analytical Report

(consolidated)

WO#: 21121331

Date Reported: 1/4/2022

CLIENT: RJ Lee Group, Inc.

Collection Date: 12/1/2021

Project:

Lab ID: 21121331-003

Matrix: SOLID

Client Sample ID: ADM55-21

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCB ANALYSIS (SW846: 8082) SVOC PCB (8082) 7-AROCLORS					SW8082 SW3546	Analyst: PGP
Total PCBs	ND	6.04		mg/Kg	1	1/3/2022 5:25:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode

Original





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## Analytical Report

(consolidated)

WO#: 21121331

Date Reported: 1/4/2022

CLIENT: RJ Lee Group, Inc.

Collection Date: 12/1/2021

Project:

Lab ID: 21121331-004

Matrix: SOLID

Client Sample ID: ADM55-23

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCB ANALYSIS (SW846: 8082) SVOC PCB (8082) 7-AROCLORS					SW8082 SW3546	Analyst: PGP
Total PCBs	ND	5.46		mg/Kg	1	1/3/2022 5:43:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode

Original





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## Analytical Report

(consolidated)

WO#: 21121331

Date Reported: 1/4/2022

CLIENT: RJ Lee Group, Inc.

Collection Date: 12/1/2021

Project:

Lab ID: 21121331-005

Matrix: SOLID

Client Sample ID: DR-15-33

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCB ANALYSIS (SW846: 8082) SVOC PCB (8082) 7-AROCLORS					SW8082 SW3546	Analyst: PGP
Total PCBs	ND	5.47		mg/Kg	1	1/3/2022 6:00:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode

Original





Summit Environmental Technologies, Inc.  
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Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

## QC SUMMARY REPORT

WO#: 21121331

04-Jan-22

Client: RJ Lee Group, Inc.

Project:

BatchID: 54072

Sample ID: <b>MB-54072</b>	SampType: <b>MBLK</b>	TestCode: <b>SVOC-PCB_S</b> Units: <b>mg/Kg</b>				Prep Date: <b>12/30/2021</b>			RunNo: <b>138448</b>		
Client ID: <b>PBS</b>	Batch ID: <b>54072</b>	TestNo: <b>SW8082</b>		<b>SW3546</b>		Analysis Date: <b>1/3/2022</b>			SeqNo: <b>3654219</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total PCBs	ND	0.100		0	0						

Sample ID: <b>LCS-54072</b>	SampType: <b>LCS</b>	TestCode: <b>SVOC-PCB_S</b> Units: <b>mg/Kg</b>				Prep Date: <b>12/30/2021</b>			RunNo: <b>138448</b>		
Client ID: <b>LCSS</b>	Batch ID: <b>54072</b>	TestNo: <b>SW8082</b>		<b>SW3546</b>		Analysis Date: <b>1/3/2022</b>			SeqNo: <b>3654220</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total PCBs	0.461	0.100	0.500	0	92.1	43	130				

Sample ID: 21121546-001AMS	SampType: MS	TestCode: SVOC-PCB_S	Units: mg/Kg-dry	Prep Date: 12/30/2021	RunNo: 138448						
Client ID: BatchQC	Batch ID: 54072	TestNo: SW8082	SW3546	Analysis Date: 1/3/2022	SeqNo: 3654221						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total PCBs	0.477	0.126	0.628	0	76.0	10	199				

Sample ID: <b>21121546-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>SVOC-PCB_S</b> Units: <b>mg/Kg-dry</b>				Prep Date: <b>12/30/2021</b>			RunNo: <b>138448</b>		
Client ID: <b>BatchQC</b>	Batch ID: <b>54072</b>	TestNo: <b>SW8082</b>		<b>SW3546</b>		Analysis Date: <b>1/3/2022</b>			SeqNo: <b>3654222</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total PCBs	0.455	0.126	0.628	0	72.4	10	199	0.477	4.82	30	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analy
	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	MC	Value is below Minimum Compound
	ND	Not Detected	OG1		P	Second column confirmation exceeds
	PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Original





Summit Environmental Technologies, Inc.  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

## QC SUMMARY REPORT

WO#: 21121331

04-Jan-22

Client: RJ Lee Group, Inc.

Project:

BatchID: 54072

Sample ID: 21121546-001AMSD		SampType: MSD		TestCode: SVOC-PCB_S		Units: mg/Kg-dry		Prep Date: 12/30/2021		RunNo: 138448	
Client ID: BatchQC		Batch ID: 54072		TestNo: SW8082		SW3546		Analysis Date: 1/3/2022		SeqNo: 3654222	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analy
	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response	MC	Value is below Minimum Compound
	ND	Not Detected	OG1		P	Second column confirmation exceeds
	PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Original



These commonly used Qualifiers and Acronyms may or may not be present in this report.

### Qualifiers

<b>U</b>	The compound was analyzed for but was not detected.
<b>J</b>	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
<b>H</b>	The hold time for sample preparation and/or analysis was exceeded.
<b>D</b>	The result is reported from a dilution.
<b>E</b>	The result exceeded the linear range of the calibration or is estimated due to interference.
<b>MC</b>	The result is below the Minimum Compound Limit.
<b>*</b>	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
<b>m</b>	Manual integration was used to determine the area response.
<b>d</b>	Manual integration in which peak was deleted
<b>N</b>	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
<b>P</b>	The second column confirmation exceeded 25% difference.
<b>C</b>	The result has been confirmed by GC/MS.
<b>X</b>	The result was not confirmed when GC/MS Analysis was performed.
<b>B/MB+</b>	The analyte was detected in the associated blank.
<b>G</b>	The ICB or CCB contained reportable amounts of analyte.
<b>QC-/+</b>	The CCV recovery failed low (-) or high (+).
<b>R/QDR</b>	The RPD was outside of accepted recovery limits.
<b>QL-/+</b>	The LCS or LCSD recovery failed low (-) or high (+).
<b>QLR</b>	The LCS/LCSD RPD was outside of accepted recovery limits.
<b>QM-/+</b>	The MS or MSD recovery failed low (-) or high (+).
<b>QMR</b>	The MS/MSD RPD was outside of accepted recovery limits.
<b>QV-/+</b>	The ICV recovery failed low (-) or high (+).
<b>S</b>	The spike result was outside of accepted recovery limits.
<b>Z</b>	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

### Acronyms

<b>ND</b>	Not Detected	<b>RL</b>	Reporting Limit
<b>QC</b>	Quality Control	<b>MDL</b>	Method Detection Limit
<b>MB</b>	Method Blank	<b>LOD</b>	Level of Detection
<b>LCS</b>	Laboratory Control Sample	<b>LOQ</b>	Level of Quantitation
<b>LCSD</b>	Laboratory Control Sample Duplicate	<b>PQL</b>	Practical Quantitation Limit
<b>QCS</b>	Quality Control Sample	<b>CRQL</b>	Contract Required Quantitation Limit
<b>DUP</b>	Duplicate	<b>PL</b>	Permit Limit
<b>MS</b>	Matrix Spike	<b>RegLvl</b>	Regulatory Limit
<b>MSD</b>	Matrix Spike Duplicate	<b>MCL</b>	Maximum Contamination Limit
<b>RPD</b>	Relative Percent Different	<b>MinCL</b>	Minimum Compound Limit
<b>ICV</b>	Initial Calibration Verification	<b>RA</b>	Reanalysis
<b>ICB</b>	Initial Calibration Blank	<b>RE</b>	Reextraction
<b>CCV</b>	Continuing Calibration Verification	<b>TIC</b>	Tentatively Identified Compound
<b>CCB</b>	Continuing Calibration Blank	<b>RT</b>	Retention Time
<b>RLC</b>	Reporting Limit Check	<b>CF</b>	Calibration Factor
<b>DF</b>	Dilution Factor	<b>RF</b>	Response Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



# Request for Environmental and IH Laboratory Analytical Services

Page 1 of 1

<b>ATTENTION TO:</b>		Purchase Order No.: H56762		Client Job No.: PA171220210005	
Lab Use Only		Project No.: PA171220210005		Client Name: Lykourgos Iordanidis	
Date Logged In:		Date Logged In By:		Date Logged In By:	
Name:		Company:		Address:	
City, State, Zip:		Phone:		Fax:	
Email Results To:		Name:		Company:	
Accounts Payable		Address:		City, State, Zip:	
Phone:		Fax:		Email:	
Invoice To		Name:		Company:	
Accounts Payable		Address:		City, State, Zip:	
Phone:		Fax:		Email:	
Special Instructions		Sample Description		Sample Collection Date (required)	
Client Sample ID		Sample Collection Time		Sample Collection Time - min	
Wipe Area or Air Volume (specify units)		Total Collection Time - min		Sample Collection Time	
DH45-15		PA171220210005-001		12/01/21	
DH45-45		PA171220210005-002		12/01/21	
ADM55-21		PA171220210005-003		12/01/21	
ADM55-23		PA171220210005-004		12/01/21	
DH-15-33		PA171220210005-005		12/01/21	
Chain of Custody		Relinquished By (Signature):		Date:	
Relinquished By (Print Name):		Relinquished To:		Date:	
Company Name:		Method of Shipment:		Date:	
Relinquished By (Signature):		Relinquished To:		Date:	
Relinquished By (Print Name):		Relinquished To:		Date:	
Company Name:		Method of Shipment:		Date:	

**RJ LEE GROUP**  
 DELIVERING SCIENTIFIC RESOLUTION

Washington  
 Columbia Basin Analytical Laboratories  
 2710 North 20th Avenue  
 Pasco, WA 99301  
 509.545.4989 Phone  
 509.544.6010 Fax

Pennsylvania - HQ  
 350 Hochberg Road  
 Monroeville, PA 15146  
 724.325.1776 Phone  
 724.733.1799 Fax





Summit Environmental Technologies, Inc.  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

## Sample Log-In Check List

Client Name: **RJL-PA-15146**

Work Order Number: **21121331**

RcptNo: **1**

Logged by: **Christina N. Jager** **12/20/2021 9:45:00 AM**  
Completed By: **Christina N. Jager** **12/20/2021 1:17:05 PM**  
Reviewed By: **Sara E. Kidd** **12/21/2021 10:55:26 AM**

*C. Jager*  
*C. Jager*  
*Sara Kidd*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐  
2. How was the sample delivered? UPS

### Log In

3. Coolers are present? Yes ☐ No ☒ NA ☐  
4. Shipping container/cooler in good condition? Yes ☒ No ☐  
Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒  
No. Seal Date: Signed By:  
5. Was an attempt made to cool the samples? Yes ☐ No ☒ NA ☐  
6. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☐ No ☒ NA ☐  
7. Sample(s) in proper container(s)? Yes ☒ No ☐  
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐  
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☒  
12. Were any sample containers received broken? Yes ☐ No ☒  
13. Does paperwork match bottle labels? Yes ☒ No ☐  
(Note discrepancies on chain of custody)  
14. Are matrices correctly identified on Chain of Custody? Yes ☐ No ☒  
15. Is it clear what analyses were requested? Yes ☒ No ☐  
16. Were all holding times able to be met? Yes ☒ No ☐  
(If no, notify customer for authorization.)

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:  Date:   
By Whom:  Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
Regarding:   
Client Instructions:

18. Additional remarks:

### Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
box	15.3	Good	Not Present			



Project No.: **DGS 0404-0034 Phase 1**

Project Title: **McKeever Environmental Center Demolition Project**

Using Agency: Public Works

Location: Sandy Lake, Mercer County, PA.

**AGENDA: PRE- BID CONFERENCE**

**Date: Wednesday, January 25, at 9:00 AM, Location: Remote**

Discussion of all agenda items (except #9) shall be led by the Professional.

1. Introduction of Participants.
2. Annotate Pre-Bid Conference Sign-in Sheet.
3. Remind the bidders that meeting minutes will not be issued to the bidders.
4. General Project Information:
  - a. Bid Date – **January 18, 2023 to February 28, 2023**
  - b. Number and Names of Prime Contracts.
  - c. Type - **Low Bid**
  - d. Bid Guaranty: **None**
  - e. Construction Duration: **365** days from initial Job Conference
  - f. Proposal Period: **January 18, 2023 – February 28, 2023**
  - g. Number and Description of Base Bids: **2**
  - h. Liquidated Damages: **\$220.00/ day past completion date.**
  - i. E-Builder contact information:

**Susan Stanisic Administrative Officer**

**Department of General Services, Public Works, Bureau of Pre-Construction**

**Arsenal Building | 1800 Herr Street | Harrisburg, PA 17103**

**Phone: (717) 783-3273**

**sstanisic@pa.gov**

- j. Brief Description of the Project:

**Design-Build Capital Construction Project to demolish portions of the existing McKeever Environmental Center. The Environmental Center includes 10 buildings, 6 to be demolished, and is located on 120 acres. Associated work includes regrading to meet the adjacent finished grades.**

**The scope of the demolition project will include:**

- 1. Develop a plan to environmentally remediate the entire project site, including all buildings and underground hazards to be demolished;**
- 2. Demolition of all identified structures to four feet below grade, and limited demolition of below-grade utilities;**
- 3. Limited termination, decommissioning and removal of the site utilities noted in the**



**CM scope document;**

**4. Limited demolition of existing site improvements;**

**a. Sidewalks and pathways from paved road.**

**5. Design and construction in accordance with applicable standards, processes and procedures.**

**6. Environmental remediation to include asbestos, delaminated lead paint, universal waste, hazardous waste for each building/ structure and fuel storage tank.**

5. The purpose of the meeting:

- a. Conduct a discussion of the bid requirements to assist the bidders in understanding DGS' bidding procedures required for preparation of their proposals.
- b. Conduct a discussion of the project technical requirements. (Drawings and Project Manual)
- c. Conduct a review of the Special Project restrictions.
- d. Conduct a review to the Construction Administration procedure requirements
- e. Conduct a project walk thru – **January 26, 2023 1:00pm @ McKeever Environmental Center**
- f. Allow the bidders to ask bid and project related questions

6. Commercial Aspects:

- a. Bidding Procedure – **no ebuilder, thumb drive, cd, digital with paper copy**
- b. Bid Date/Time: **February 28, 2023**
- c. Discussion of Base Bids.

7. BDISBO:

- a. Contact Information:

**Audrey Smith**  
**PA Department of General Services**  
**Bureau of Diversity, Inclusion and Small Business Opportunities**  
**401 North Street**  
**Room 611 North Office Building | Harrisburg, Pennsylvania 17120-0500**  
**Phone: 717.783.3119 | Fax: 717.787.7052**

- b. Project Specific Small Diverse Business Minimum Participation Level:  
**Small Diverse Business (SDB) – 8%**  
**Veteran Business Enterprise (VBE) – 3%**

8. Professional to provide presentation of the Documents:

- a. Drawings. Discuss individual plan drawings and details.
- b. Project Manual.
- c. Permits that are in place for the project and any special conditions contained in them.
- d. liquidated damages: **\$220.00/ day past completion date.**

9. Special Site Restrictions:

- a. University/ DGS (with DCNR)
- b. Who is in proximity of the project and their activities – **Isolated, 1 resident**



- c. Any special Client Agency considerations based on anticipated impacts? – **PHMC**

10. Construction Administration:

- a. Project Duration – **365 Days**
- b. Project Schedule Anticipated Start Date, Anticipated Completion Date.  
**March 1, 2023 – April 3, 2023 proposal review, selection**  
**April 4, 2023 – June 30, 2023 permitting/ design**  
**July 4, 2023 – November 30, 2023 demolition**
- c. Limits of Contract – **Noted on preliminary plans**
- d. Construction Access – **Existing entrance to facility**
- e. Material Deliveries location and restriction on time
- f. Lay-Down Areas – **Areas of demolition / parking**
- g. Construction Trailer Areas – **Office on site available**
- h. Contractor Parking locations – **On site**
- i. Contractor's Temporary use of Utilities and Facilities. – **Active for remaining buildings**
- j. Any "Do Not Disturb" areas – **Outside limits of demolition**
- k. Temporary Utilities to trailers - **N/A**
- l. Temporary Utilities to Facility – **N/A**
- m. Project sequencing – **TBD Design Build**
- n. Working hours – **TBD Design Build**
- o. Scheduled interruptions - **None**
- p. Construction impacts to the Client Agency. – **Haz. Mat. Removal**
- q. Notification for Utility outages/interruptions. - **None**
- r. Hot Work Permits
- s. Fire Alarms – **Remain on site**
- t. Any danger of invalidating warranties on existing installed materials or equipment- **Fire Alarm**
- v. Who removes and replaces existing furniture, fixtures, and equipment – **Demo/ Key Cores**
- w. Weather Delays and adverse weather policies
- x. Hazardous materials, asbestos, lead, - **Yes**

11. Project Walk Thru:

- a. Conduct Project Walk through: **Thursday January 26<sup>th</sup>, 1pm @ McKeever Environmental Center; Sandy Lake, PA.**
- b. Contact point for additional site surveys if required by the bidders is:  
**Jake Scheib**  
**DCNR Bureau of Forestry**  
[j.scheib@pa.gov](mailto:j.scheib@pa.gov) , (724) 253-3634
- c. Bidders must note that verbal information is non-binding unless subsequently followed up in writing in an addendum.
- d. The Client Agency shall not provide supplemental information such as drawings, cut sheets, etc. that have not been provided to all prospective bidders in the form of an addendum.



12. Questions by the Bidders:

- a. Open the floor for questions or clarifications requested from the bidders on the solicitation documents, the Scope of Work, or other details of the project requirements
- b. **All bidder questions must be submitted through E-Builder under the Questions/Responses tab in the project's invitation to bid. The Professional shall not respond directly through E-Builder to questions posed through E-Builder. A formal written addendum will be issued through E-Builder.**
- c. Bidders are reminded that verbal responses are non-binding. If a bidder requires a formal response, the bidder is instructed to submit a question in writing. Only written formal responses in the form of an official project Addendum are to be used for bidding purposes.
- d. All questions must be submitted a minimum of 10 days prior to bid opening day to receive a formal written response. Questions submitted less than 10 days prior to bid day may not be answered.
- e. Questions which are so obvious that an answer is not necessary may not receive a response.
- f. All bids shall be based on the Scope of Work as shown in the documents. Prior to bid, the DGS will not evaluate substitutions from the Scope of Work as delineated in the Documents.

13. Identify if there are any bidding concerns or issues from the bidders.

14. Adjournment.

15. Conference ended and the meeting adjourned at approximately .

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## **McKeever Environmental Center Demolition – 0404-0034 Phase 1**

### **Questions & Answers Regarding Bid RFP Received as of February 1, 2023**

1. *Please clarify the proposal submission date. The request for proposal document states 2/23/23 and the e-marketplace solicitation page states 2/28/23.*

**A: Submissions are due February 28, 2023.**

2. *In the RFP, page 20 section T-1A, there is no mention of experience with full-service food preparation and dining facility. In Appendix O of the RFP, under T-1A, one of the scoring matrix items states "Describe the team's experience with full-service food preparation and dining facility," Is there a typo in Appendix O?*

**A: Not applicable, this is a demolition project.**

3. *In Appendix G (Designated Critical Work Qualification Statement), Quality Control is listed and the DBC is required to submit three examples for quality control. Does this refer to quality control testing services as outlined in spec section 014000? Or does this refer to the environmental quality control associated with asbestos and hazardous material abatement? Please provide clarification on the definition of quality control within the designated critical work statement.*

**A: This refers to the Environmental QC only concerning asbestos and hazardous material abatement. The Contractor's Design-Build Professional is responsible for all other QC/QA items.**

4. *On sheet C-2, Dormitory D-3 has arrows pointing to the existing sidewalk, but no removal note. Is this sidewalk to be removed similar to dorms D-1 and D-2?*

**A: These are to be removed.**

5. *On page 6 of the statement of work under Quality Control/Quality Assurance, please provide clarification of the last statement in this paragraph:*

*"Complete DGS Divisions 014000 (QC) and 014010 (QA) as part of the design. DGS template in Appendix O."*

*1) Who completes DGS Divisions 014000 (QC) and 014010 (QA) as part of the design? The DBC or someone else?*

*2) Appendix O is the technical submittal scoring matrix, not a template. Please provide the template that is referenced in the paragraph above.*

**A: The Contractor's Design-Build Professional is to complete the 014000/ 014010 templates. The template is attached.**

6. *There is no place on the VBE and SDB forms to distinguish Base Bid 1 or Base Bid 2. Please confirm that these are the correct forms. In the past, these forms have a place to mark base bid 1 or base bid 2.*

**A: The Proposing Contractor is to write or edit the electronic form to include the Base Bid # on the SDB-2 or VBE-2 forms.**

7. *Will the architectural drawings we included in the addendum? They are not part of the bid document plan set, but they were shown in today's teams meeting.*

**A: Full 30% drawing set attached.**

8. *There is not a place to type in the cost for Base Bid 1 and Base Bid 2 on the cost submittal form (Appendix C). Please provide.*

**A: Cost Submittal Form is attached to this Addendum.**

9. *Please provide a hazardous materials report for the Director's Residence. This report is not included in the bid documents.*

**A: Material reports attached.**

10. *Please provide the required limits of the temporary site fence. The site is rather large. Is temporary fence required to enclose the entire site? Please clarify.*

**A: Please refer to the Pennsylvania DGS Demolition Specifications for the appropriate limits to protect the demolition site.**

11. *Please confirm who is responsible for wetland delineation for the permit process.*

**A: This is the responsibility of the Contractor's Design-Build Professional.**

12. *If we would like to make an additional site visit to further inspect the existing buildings, please advise how we may schedule to do so.*

**A: Any questions regarding access to the site can be fielded by:  
Jake Scheib (DCNR) [jscheib@pa.gov](mailto:jscheib@pa.gov) (814) 221-0435**

13. *Are you going to post a copy of sign in sheet from pre-bid meeting?*

**A: Sign in sheet will not be posted.**



## Section 100400 (1.22)

### 1.22 DGS CONSTRUCTION MANAGER OFFICE

- A. The client agency (DCNR) will provide space in the site "Residences" for DGS.
- B. The Lead Contractor shall prepare a drawing of the DGS Construction Manager Office along with proposed arrangement of the Contractor's Office and construction staging area for the Department's approval. An electronic copy in .pdf format of the sketch plan is to be submitted through e-Builder to the Department within 7 calendar days of Effective Date of Contract or issuance of Letter of Intent whichever occurs first.
- C. The Lead Contractor shall furnish, within five (5) days of the Department's approval of the Lead Contractor's drawing, a suitably furnished office area as agreed to by the Construction Regional Director or Construction Project Manager, including the necessary extension or provisioning of utilities and service lines required for its proper operation. **The client agency will provide power for the utilities and service as needed.** The Lead Contractor shall clean this office at least bi-weekly, for the duration of the Project, through the completion of all punch list items (unless directed otherwise by the Department). The Lead Contractor shall remove the office from the premises when directed by the Department. The office shall be suitably partitioned as directed by the Department and shall include:
  1. Lighting and electrical receptacles of suitable number and capacity.
  2. A first quality mercury thermometer on outside of the DGS Construction Manager Office which records the high and low temperature for the day
- D. Equipment: The Lead Contractor shall furnish, with the DGS Construction Manager Office, the following items in the quantity indicated and remove same from the premises when directed by the Department. The Lead Contractor shall maintain all items in good condition and furnish all supplies (i.e., toner, paper, bottled water, drinking cups, bathroom supplies) for the duration of the Contract. If any equipment fails, it shall be repaired or replaced by the Lead Contractor within twenty-four (24) hours of being notified by the Department.

The specified IT hardware/peripherals shall be compatible with the HP Revolve 810 EliteBook and include all required battery chargers, data cables (including HDMI), software, ect. to provide a fully integrated and functioning system.

1. \_\_\_\_\_ Desk(s) with swivel chair(s)
2. \_\_\_\_\_ Electronic calculator
3. \_\_\_\_\_ Plans rack(s), plan rack shall include required quantity of plan sticks to fully utilize the plan rack
4. \_\_\_\_\_ Plans table(s) with stools
5. \_\_\_\_\_ Four (4) drawer file cabinet(s)
6. \_\_\_\_\_ 12" deep shelving units of thirty (30) lineal feet
7. \_\_\_\_\_ Six (6) foot table(s)
8. \_\_\_\_\_ Chair(s)
9. \_\_\_\_\_ Clothes tree or closet with rod
10. \_\_\_\_\_ Provide an all in one print/copy/scan/fax machine capable of producing 35 pages per minute double sided on 8-1/2"x11" and 11"x17". Machine shall be wireless capable and network capable and print/copy/scan/fax both in color and black and white
11. \_\_\_\_\_ Safety glasses
12. \_\_\_\_\_ Fire Extinguisher
13. \_\_\_\_\_ First-Aid Kit
14. \_\_\_\_\_ Water cooler, with hot and cold taps

15. \_\_\_\_\_ Telephones (cordless, with speaker phone capabilities), and answering machine.
16. \_\_\_\_\_ Trash cans

IT Hardware/Peripherals:

17. \_\_\_\_\_ Computer monitor(s) - basis of design - Hewlett Packard ProDisplay P232 - 23"
18. \_\_\_\_\_ Keyboard - basis of design - Hewlett Packard KU-1156
19. \_\_\_\_\_ Docking station with all associated cables for connection of all peripheral devices to support the Hewlett Packard Revolve 810 - Basis of design - HP 2013 UltraSlim Docking Station.
20. \_\_\_\_\_ Mouse - optical mouse with USB cord, dual button and scroll wheel – Basis of design - Hewlett Packard
21. \_\_\_\_\_ 55" High Definition LED flat panel monitor with wall mount bracket and remote. Monitor shall be network/wireless capable, 120Hz, 1080P.
22. \_\_\_\_\_ Wireless connectivity to the 55" High Definition LED flat panel monitor shall be accomplished with a wireless receiver and transmitter – Basis of design - ScreenBeam Mini2 wireless receiver (Catalog # SBWD60A01) and a ScreenBeam USB Transmitter 2 (Catalog # SBWD200TX02).
23. \_\_\_\_\_ 4'x3' white marker board with (2) sets of markers of standard color.
24. \_\_\_\_\_ 12 Month Wall Calendar - 20"x30" - Basis of design AT-A-GLANCE, Model #PM4-28-17

Other Items:

25. \_\_\_\_\_ Plain white ANSI approved hardhats
26. \_\_\_\_\_
27. \_\_\_\_\_
28. \_\_\_\_\_

E. The DGS Construction Manager Office shall be equipped by the Lead Contractor with telephone cabling and jacks to connect one (1) telephone voice line for use by DGS Personnel. The Lead Contractor shall provide up to four (4) modular telephone jacks (RJ-11 connectors) in the main office area in locations indicated on the approved office plan accepted by the Department for use with the Contractor provided phones. The Lead Contractor will install telephone cable to connect each jack to the demarcation point where the local telephone company provides service (utility pole, telephone room or other access point). The Lead Contractor shall place orders to the local telephone company to activate line service and pay for the service and monthly charges.

1. The Lead Contractor shall provide three (3) data/phone jacks in locations indicated on the approved office plan accepted by the Department for use with the Department's computer(s) and Contractor provided phones. The Lead Contractor shall provide a Broadband Internet service and pay all connections/disconnection and monthly fees. The Lead Contractor shall further provide Wi-Fi access utilizing WPA2 security. Options include cable modem, DSL, Satellite or similar service (dial up is not acceptable). The wireless access point should be positioned to provide sufficient coverage in the DGS Construction Managers Office space. The contractor shall provide usernames/passwords for authorized wireless users as determined by the DGS Construction Project Manager.
2. It shall be the Lead Contractor's responsibility to ascertain the means in which the Broadband Internet source will be provided. Internet download and upload speeds of 100Mbps shall be provided at all times. The Internet source must be coordinated with



the DGS Construction Project Manager to assure compatibility with the Department's hardware/software requirements. Wireless access point shall be made fully operational and maintained by the Contractor. At the Department's sole discretion 4G LTE wireless hotspot internet service may be acceptable.