" PROCEDURAL BOOKLET "

DIVISION 1 SPECIFICATIONS & BID DOCUMENTS for:

Abatement and Removal of Hazardous Materials,

Demolition and Removal of Building B12 & Adjacent Site Debris at:

Simonds Cutting Tools
641 Heller Drive
Newcomerstown, Ohio 43832

for:

The Village of Newcomerstown, Ohio
124 West Church Street
Newcomerstown, Ohio 43832

August 5, 2020

Prepared by:

S2 Corp
START TO FINISH SERVICES

208 Eberly Avenue
Bowling Green, Ohio 43402

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DOCUMENT 00020

NOTICE TO BIDDERS

SEALED BIDS for the furnishing of the necessary services for the:

Abatement and Removal of Hazardous Materials and
Demolition and Removal of Building B12 & Adjacent Site Debris at:
Simonds Cutting Tools
641 Heller Drive
Newcomerstown, Ohio 43832

Bids will be received by the Village of Newcomerstown, Ohio at their offices located at 124 West Church Street, Newcomerstown, Ohio 43832 until 2:00 pm on Wednesday, August 26, 2020 and at that time and place will be publicly opened and read aloud.

The Design/Engineering Project Cost Estimate for this project is $165,000,00.

The work will consist of :

ITEM NO. 1 - Base Bid - Phase 1

The bid documents, including plans and specifications, are on file at the office of the Village Third Party Inspector, Start to Finish, Corp., 208 Eberly Avenue, Bowling Green, Ohio 43402, phone: 419-308-2526, E-mail : dbw.s2fcorp@frontier.com. Checks must be payable to the: the Village of Newcomerstown. The deposit of $100 for the first set of documents obtained will be refunded if all documents are returned in good condition within ten (10) days after the bid opening. Additional copies of the bid documents may be purchased at $ 100. No refund will be allowed for the return of additional copies.

A Pre-Bid Conference/Walk-Thru will be held on Site @ 10:00 am, August 14, 2020.

All bids must be signed and submitted on copies or originals of the blanks which are bound in the contract documents. Bids must state the prices in the blanks provided and be enclosed in a sealed envelope marked -- Simonds Cutting Tools project-- and addressed to 124 West Church Street, Village of Newcomerstown, Ohio 43832.

The bid guaranty may be of two forms:

1. A Bid Guaranty and Contract bond using the form in the Contract Documents. (The amount of the bid does NOT have to appear on this form.)

2. A certified check, cashier's check or letter of credit in favor of the Village of Newcomerstown in the amount of ten percent (10%) of the bid. If the contract is awarded, a Contract bond will be required, which is a one hundred percent (100%) payment and performance bond.

Bidders shall submit with their bid the affidavit required under the Ohio Revised Code, Section 5719.042 that the bidder was not charged with any delinquent personal property taxes in Tuscarawas County, Ohio.

The successful bidder will be required to pay not less than the minimum wage rates established by the Department of Industrial Relations of the State of Ohio in accordance with all provisions of the Prevailing Wage Act of the State of Ohio, ORC. Sections 4115.03 and 4115.16 and related requirements.

Bids received after the scheduled bid opening date and time, or not accompanied by a satisfactory bid bond or check, will neither be read nor considered.

The Owner reserves the right to reject any and all bids and to waive any irregularity in any bid and to determine the lowest and best bidder. In no case will an award be made until all necessary investigations are made as to the qualifications of the bidder to whom it is proposed to award the contract.

No bidder may withdraw his bid for a period of sixty (60) days after the scheduled closing time for the receipt of bids.

By Order of: The Village of Newcomerstown, Ohio

Advertise: Times Reporter in New Philadelphia, Ohio

Furnish Affidavit of Publication / State of Ohio / Tuscarawas County

DOCUMENT 00101

INSTRUCTIONS TO BIDDERS

PART 1 INSTRUCTIONS TO BIDDERS

1.1 These Instructions To Bidders amend or supplement the other provisions of the Bidding and Contract Documents.

1.2 RELATED DOCUMENTS

A. Document 00020 - Notice to Bidders.

B. Document 00200 - Information Available to Bidders.

C. Document 00311 - Bid Form - Stipulated Price.

D. Document 00400 - Supplements to Bid Form: Appendices A to E.

E. Document 00711 - General Conditions

1. Contract time identification.
2. Tax exempt procedures.
3. Bond types and values.

PART 2 SITE ASSESSMENT

2.1 SITE EXAMINATION

A. Examine the project site before submitting a bid.

B. A visit to the project site has been arranged for bidders. See the Pre-Bid Conference/Walk-Thru below.

C. The premises at the project site are open for examination by bidders only during the following hours: TBD

1. Monday through Friday:

2.2 PRE-BID CONFERENCE / WALK-THRU

A. A pre-bidders conference/walk-thru is scheduled for August 14, 2020 at 10:00 am, at the Project Site.

B. All Bidders are invited.

C. Representatives of the Owner and/or the Village Third Party Inspector will be in attendance.

D. Relevant information which modifies the Bid Documents will be recorded in an Addendum, and issued to all Bid Document recipients, if applicable.

END OF DOCUMENT

DOCUMENT 00200

INFORMATION AVAILABLE TO BIDDERS

PART 1 GENERAL

1.1 PRE-DEMOLITION HAZARDOUS MATERIALS ASSESSMENT REPORT:

A. A copy of: **EA** Group, Environmental Analysis and Management, 7118 Industrial Park Boulevard, Mentor, Ohio 44060-5314, dated September 29, 2018 is attached herewith.

B. This survey identifies "a survey for asbestos-containing materials (ACMs): an inventory of non-incandescent lighting, other "universal waste" materials, and refrigerant sources: representative sampling of various painted and unpainted building components that would be "demolition debris" for waste characterization purposes (toxicity characteristic leaching procedure [TCLP]) for lead: sapling of materials that could contain polychlorinated biphenyls (PCBs); and sampling of wood plank flooring for TCLP hazardous waste characterization. This report provides the results of the pre-demolition hazardous materials assessment."

END OF DOCUMENT

DOCUMENT 00311

FORM OF PROPOSAL

Bidder's Firm Name: _____

Address: _____

_____

Telephone No.: _____

Fax No.: _____

Form of Proposal for the project entitled:

Abatement and Removal of Hazardous Materials and Demolition and Removal of Building B12 & Adjacent Site Debris at:

Simonds Cutting Tools

641 Heller Drive

Newcomerstown, Ohio 43832

Date: _____

The undersigned proposes to perform all work required and to provide and furnish all labor, material, tools, equipment, and transportation necessary for the proper completion of the above-named project, in accordance with plans and specifications prepared by within the time set forth and for the sum of money specified below.

The undersigned agrees that if within sixty (60) days from the bid date named for receiving proposals by the Owner, a notice that this proposal will be accepted by the Owner (notice shall be mailed to the bidder at the business address given above or it shall be delivered to him personally), this bidder then shall within ten (10) days thereafter deliver to the Owner, where directed, a contract properly executed in duplicate on the forms supplied by the Village Third Party Inspector.

The undersigned has received the following ADDENDUM Numbers:

_____and acknowledges the additions to, deductions from, or changes, in the original drawings or specifications, if applicable.

ITEM NO. 1 - PHASE 1 - BASE BID (BUILDING B-12 and ABATEMENT & DEMOLITION of ADJACENT SITE DEBRIS)

ALL LABOR AND MATERIALS, for the sum of $_____.

STATE THE AMOUNT IN WORDS: _____.

Providing that the contract is awarded promptly, the undersigned proposes that all the work will be completed as herein noted within calendar days for the following Items:

ITEM NO. 1: _____ ( ) calendar days

following an Owner-issued Notice to Proceed. Not considering delays due to strikes, or circumstances unavoidable to the contractors.

Firm Name of Bidder: _____

Signature of
Authorized Officer: _____

Address: _____

City, State, & Zip Code: _____

Telephone/Fax Numbers: _____

DOCUMENT 00400

SUPPLEMENTS TO BID FORM

APPENDIX A: EXPERIENCE STATEMENT

The Bidder is required to state in detail in the space provided below, the work he has done of a character similar to that included in the proposed contract, to give references and such other detailed information as will enable the Owner to judge of his responsibility, experience, skill and financial standing. Among other things, this statement shall include the following:

A record of similar work performed and evidence to the effect:

(1) that the Bidder maintains a permanent place of business;

(2) has adequate facilities and equipment available for the work under the proposed contract;

(3) that the Bidder has suitable financial means to meet obligations incidental to work; and

(4) that the Bidder has appropriate technical experience and possess sufficient skill and experience.

APPENDIX B: CERTIFIED COPY OF CORPORATION RESOLUTION

_____
(Name of Company)

I hereby certify that I am the duly elected and acting Secretary of _____

_____

a Corporation duly organized and existing under the laws of the State of _____ , that on the _____ day of _____,20__, the Board of said Corporation authorized and approved a certain Proposal to _____ (insert name of Owner) for the construction of certain improvements for _____ _____ (insert name of Owner) by said Corporation and any Contract resulting therefrom and empowered the _____ (insert title of officer) of said Corporation to execute said Proposal and Contract for, and in behalf of, said Corporation; that said authority is not contrary to any provision in the articles of incorporation or code of regulations or code of by laws of said Corporation; that said authority has not been rescinded or modified; and that _____ is duly elected and acting _____ _____ (insert title of officer) of said Corporation.

IN WITNESS WHEREOF, I have hereunto subscribed my name on _____ ,20__.

_____
Secretary

APPENDIX C: NON-COLLUSION AFFIDAVIT

PROJECT: _____

STATE OF OHIO

COUNTY OF _____

I, _____, _____
(Name of Party Signing) (Title)

being duly sworn, do depose and say that:

_____
(Insert name of individual, co-partnership, Corporation)

its agents, officers, or employees have not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal.

_____
Signature

_____
Title

Sworn to subscribed before me this __ day of _____,20__

_____ (SEAL)
Notary Public in and for
_____ County, Ohio

My Commission expires

_____, 20__

(This affidavit must be executed for the bid to be considered.)

APPENDIX D(1): O.R.C. 5719.042

"After the award by a taxing district of any contract let by competitive bid and prior to the time the contract is entered into, the person making a bid shall submit to the district's fiscal officer a statement affirmed under oath that the person with whom the contract is to be made was not charged at the time the bid was submitted with any delinquent personal property taxes on the general tax list of personal property of any county in which the taxing district has territory or that such person as charged with delinquent personal property taxes on any such tax list, in which case the statement shall also set forth the amount of such due and unpaid delinquent taxes and any due and unpaid penalties and interest thereon. If the statement indicates that the taxpayer was charged with any such taxes, a copy of the statement shall be transmitted by the fiscal officer to the county treasurer within thirty (30) days of the date it is submitted.

A copy of the statement shall also be incorporated into the contract, and no payment shall be made with respect to any contract to which this section applies unless such statement has been so incorporated as a part thereof."

APPENDIX D(2): AFFIDAVIT OF CONTRACTOR
OR SUPPLIER OF NON-DELINQUENCY
OF PERSONAL PROPERTY TAXES
O.R.C. 5719.042

STATE OF OHIO:

SS:

TO:

The undersigned, being first duly sworn, having been awarded

a contract by you for _____

_____

_____

hereby states that we are not charged at the time the bid was submitted with any delinquent personal property taxes on the general tax list of personal property of any county in which you, as a taxing district, have territory and that we were not charged with delinquent personal property taxes on any such tax list.

In consideration of the award of the above contract, the above statement is incorporated in said contract as a covenant of the undersigned.

_____
Signature

_____
Company Name

Sworn to before me and subscribed in my presence this _____
day of _____,20__.

Seal

_____
Notary Public

My Commission expires _____

APPENDIX E: BID GUARANTY AND CONTRACT BOND
(SECTION 153.571 Ohio Revised Code)

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned

_____
(Name and Address)

as Principal and _____
(Name of Surety)
_____ as Surety, are hereby held and firmly bound unto _____ _____ hereinafter called the Obligee, in the penal sum of the dollar amount of the bid submitted by the Principal to the Obligee on _____to undertake the project known as: _____.

The penal sum referred to herein shall be the dollar amount of the Principal's bid to the Obligee, incorporating any additive or deductive alternate proposals made by the Principal on the date referred to above to the Obligee, which are accepted by the Obligee. In no case shall the penal sum exceed the amount of _____ dollars ($_____).
IF THE ABOVE LINE IS LEFT BLANK, THE PENAL SUM WILL BE THE FULL AMOUNT OF THE PRINCIPAL'S BID, INCLUDING ALTERNATES. ALTERNATIVELY, IF COMPLETED, THE AMOUNT STATED MUST NOT BE LESS THAN THE FULL AMOUNT OF THE BID, INCLUDING ALTERNATES, IN DOLLARS AND CENTS. A PERCENTAGE IS NOT ACCEPTABLE. For the payment of the penal sum well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas the above named Principal has submitted a bid on the above referred to project;

NOW THEREFORE, if the Obligee accepts the bid of the Principal and the Principal fails to enter into a proper contract in accordance with the bid, plans, details, specifications, and bills of material; and in the event the Principal pays to the Obligee the difference not-to-exceed ten percent (10%) of the penalty hereof between the amount specified in the bid and such larger amount for which the Obligee may in good faith contract with the next lowest bidder to perform the work covered by the bid; or in the event the Obligee does not award the contract to the next lowest bidder and resubmits the project for bidding, the Principal will pay the Obligee the difference not-to-exceed ten percent (10%) of the penalty hereof between the amount specified in the bid, or the costs, in connection with the resubmission, of printing new contract documents, required advertising and printing and mailing notices to prospective bidders, whichever is less, then this obligation shall be void, otherwise to remain in full force and effect. If the Obligee accepts the bid of the Principal and the Principal within ten (10) days after the awarding of the contract, enters into a proper contract in accordance with the bid, plans, details, specifications, and bills of

material which said contract is made a part of this bond the same as though set forth herein, and

IF THE SAID Principal shall well and faithfully perform each and every conditions of such contract; and indemnify the Obligee against all damage suffered by failure to perform such contract according to the provisions thereof and in accordance with the plans, details, specifications, and bills of material therefor; and shall pay all lawful claims of subcontractors, materialmen, and laborers, for labor performed and materials furnished in the carrying forward performing, or completing of said contract; we agreeing and assenting that this undertaking shall be for the benefit of any materialman or laborer having a just claim, as well as for the Obligee herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

THE SAID Surety hereby stipulates and agrees that no modification, omissions, or additions, in or to the terms of said contract or in or to the plans and specifications therefor shall in any wise affect the obligations of said Surety on this bond, and it does hereby waive notice of any such modifications, omissions or additions to the terms of the contract or to the work or to the specifications.

SIGNED AND SEALED this ___ day of _____,20__.

PRINCIPAL:_____

BY: _____

TITLE: _____

SURETY: _____

BY: _____
Attorney-in-fact

SURETY COMPANY ADDRESS:	SURETY AGENT"S ADDRESS
_____	_____
Name	Name
_____	_____
Street Address	Street Address
_____	_____
City, State, & Zip Code	City, State, & Zip Code

DOCUMENT 00600

NOTICE OF AWARD

To:

Project Description:

The Owner has considered the Bid submitted by you on _____, for the above described work in response to its Advertisement for Bids and information for Bidders.

You are hereby notified that your Bid has been accepted for items in the amount of $_____.

You are required by the Information for Bidders to execute the Agreement and furnish the required Contract's Contract Bond, if applicable, and Certificates of Insurance within ten (10) calendar days from the date of this notice to you.

If you fail to execute said Agreement and to furnish said Bond within ten (10) days from the date of this notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your Bid as abandoned and as a forfeiture of your Bid guaranty subject to the liability as set forth in Section 153.54 of the Ohio Revised Code. The Owner will be entitled to such other rights as may be granted by law.

Dated this ____ day of _____,20__.

_____
OWNER

By: _____

Name: _____

Title: _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by
_____ on this ____ day of
_____, 20__.

By: _____

Name and Title: _____

cc: Contractor's Surety
Surety Agent

DOCUMENT 00601

NOTICE OF COMMENCEMENT OF A
PUBLIC IMPROVEMENT PURSUANT TO
REVISED CODE §1311.252

State of Ohio,)
) ss:
County of)

_____ (the "Affiant"), being first duly sworn, says that:

1. Affiant is the _____ of the _____ (the Public Authority).

2. The Public Authority will be commencing a public improvement identified as follows: Construction of _____.

3. The following lists the name, address and trade of each of the principal contractors working on this public improvement:

Name	Address	Trade	Date of First Executed Contract for the Public

4. The following lists the names and addresses of the sureties for all of those principal contractors:

Principal Contractors	Name of Surety	Address of Surety

5. For the purpose of serving an affidavit pursuant to Revised Code §1311.26, service may be made upon the following representative of the Public Authority: _____.

FURTHER AFFIANT SAYETH NAUGHT.

_____
Signature

SWORN TO BEFORE ME and subscribed in my presence this _____ day of _____, 20__.

_____
Notary Public

[SEAL]

DOCUMENT 00602

NOTICE TO PROCEED

TO: _____ DATE: _____

_____

_____

PROJECT DESCRIPTION: _____

_____

_____

You are hereby notified to commence work in accordance with your Agreement dated _____, 20__ or on or before _____, 20__, and you are to complete the work within _____ consecutive calendar days thereafter. The date of completion of all work is therefore _____, 20__.

OWNER

_____

_____

_____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by_____ on this ___ day of _____, 20__.

BY: _____

Name: _____

Title: _____

DOCUMENT 00711

GENERAL CONDITIONS

PART 1 GENERAL

1.1 GENERAL CONDITIONS

A. The Specifications shall have precedence over the "General Conditions of the Contract", where any conflict may occur.

1.2 DEFINITIONS

A. The Contract Documents consist of the Agreement, the General Conditions, the drawings, the specifications, Addenda, and Bulletins including all modifications thereof incorporated in the documents before their execution. These form the contract.

B. The Owner, the Contractor, and the Village Third Party Inspector are those mentioned as such in the Agreement and in the specifications. They are treated throughout the contract documents as if each were of the singular number and masculine gender.

C. Written notice shall be deemed to have been duly served if delivered to the individual or to a member of the firm for whom it is intended.

D. The term "Work" of the Contractor includes labor or equipment or both.

E. All time limits stated in the Contract Documents are of essence to the contract.

F. The law of the place of project shall govern the construction of this project.

1.3 ARTICLES 2, 3, & 4: PARTIES TO THE CONTRACT

A. Owner refers to: the Village of Newcomerstown, Ohio

B. The village Third Party Inspector refers to the firm of: Start to Finish Corp, 208 Eberly Avenue, Bowling Green, Ohio 43402, phone 419-308-2526 (David B. Wilson, President).

C. Whenever the word "Contractor" is used it shall be understood to mean the person, persons, co-partnership, or corporation who have entered into this contract as parties of the second part of his, their, or its legal representative.

1.4 ARTICLE 3.5: WARRANTY

A. Guarantee provisions of this Specification do not modify, extend or shorten the guarantee provisions outlined in the Contract between the Contractor and the Owner. All guarantee periods shall start at occupancy or substantial completion. Contractor shall note work completed earlier will in effect, have longer guarantee periods. It is intended that work shall be completed per schedule and used as necessary during construction. It is understood that some manufactured products have more limited guarantees. Work under these Specifications shall carry the longest and least restricted manufacturers guarantees or warranties available from the accepted manufacturer.

B. Written guarantees shall be delivered by the Contractor to the Village Third Party Inspector on or before completion of the work and prior to final payment. Guarantees shall clearly identify the work guaranteed and shall state the work and all of its components will remain, if normally used and maintained by the Owner as recommended by the Contractor or manufacturer, in normal operating condition and be free of any defects in material and/or workmanship for period of at least one (1) year, or longer if so specified, from the date of substantial completion of the total project or occupancy, whichever comes first. If an element is defective at substantial completion or occupancy as evidenced by the Punch List, the warranty of that element shall be extended so that guarantee period will start on final acceptance of that element.

C. In the event of failure of any guaranteed work, the Owner and the Village Third Party Inspector will give the Contractor timely notice and the Contractor shall promptly effect the necessary repairs, adjustment or replacements as applicable. Should any adjoining work be damaged by the failure or during repair or replacement of faulty work, the Contractor shall cause it to be restored without cost to the Owner.

1.5 ARTICLE 3.6: TAXES

A. Contractors shall not be required to pay sales taxes for materials and services incorporated into the final structure.

B. Tax Exemption Certificates shall be made available to each Contractor upon their request to the Owner.

1.6 ARTICLE 3.7: PERMITS, FEES, AND NOTICES

A. The Owner shall secure the State of Ohio Certificate of Plan Approval, and pay fees associated with same.

B. The Contractor is responsible to secure his portion of any additional permit(s) (i.e. State or Local Permits, fees, approvals, licenses, etc.) as may be required to legally and properly complete the Work.

1.7 ARTICLE 3.9: SUPERINTENDENT

A. The Contractor of the Work shall furnish and maintain at all times, a single individual, a Superintendent of Construction, with sole headquarters at premises of this work. Said Superintendent may be a "Working Superintendent".

B. Said Superintendent shall study all details of the entire project and shall be aware of all requirements in the drawings and specifications.

1.8 ARTICLE 3.11.1: RECORD DRAWINGS

A. The Contractor shall keep on the work site a complete set of prints of the Contract Drawings for the sole purpose of recording changes in the work that is to be concealed or that cannot be readily located in the finished project. When the work is completed, the Record Drawings/Documents marked prints shall be delivered to the Village Third Party Inspector. All concealed installations shall be dimensionally located from the column lines or the walls.

1.9 ARTICLE 3.13: SITE

A. Storage space at the site will be as directed by the Owner or the Village Third Party Inspector.

B. The Contractor shall allot suitable space for the storage of their materials and for the placement of their job trailers, if applicable.

C. The Contractor shall confine the storage of material to spaces as allotted by the Village Third Party Inspector and shall at all times store materials neatly and compactly.

D. Should it be necessary at any time to move materials, sheds, or storage platforms, the Contractor shall move same as, and when directed at his expense.

1.10 ARTICLE 3.15: CLEANING UP

A. The premises shall be kept free from an accumulation of waste materials, rubbish, accumulated by reason of this work. Provide daily clean up. Each trade shall be responsible for their own clean up.

B. All packaging devices (i.e., cartons, crating, boxes, bags, wrapping, paper, etc.) brought to the premises in connection with the work of a respective contractor, shall be removed from the premises by the same contractor.

1.11 ARTICLE 4.4.1: CLAIMS AND DISPUTES

A. The Village Third Party Inspector, being the author of the documents, shall have the right to interpret the true meaning and intention of the working drawings and the specifications where not clearly stated or described; and should any controversies or disputes arise over such interpretations, his decision shall be final.

B. Any interpretation of the Contract Documents made by any party other than the Village Third Party Inspector, or in any manner other than a written Addendum, shall not be binding and the Bidder shall not rely upon any such interpretation.

C. The Bidder shall not, at any time after the execution of the Agreement, be compensated for a claim alleging insufficient data, incomplete Contract Documents, or incorrectly assumed conditions regarding the nature or character of the Work, if no request for interpretation was made by the Bidder prior to the bid opening.

D. In case of difference between the drawings and the specifications, the conflictions must be reported before the award of the contract. Otherwise, the successful bidder will be bound by the Village's Third Party Inspector ruling as to which shall take precedence.

E. The Contractor shall verify and check all dimensions at the project site. Any discrepancies between actual dimensions and those given on the drawings shall be reported to the Village's Third Party Inspector without delay. Required measurements for shop and other work, shall be taken at the job by the Contractor, if applicable.

1.12 ARTICLE 6.1: SEPARATE CONTRACTS

A. The Owner reserves the right to let other contracts in connection with this building during this project. The contractors shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and shall properly connect and coordinate his work with their's.

1.13 ARTICLE 7: CHANGES IN WORK

A. The Village Third Party Inspector, without invalidating the Contract, may order additional work with the Owners' approval by altering, adding to, or deducting from the work. All such changes shall be executed under the provisions of the Contract, unless otherwise expressly stipulated.

B. If the Contractor determines that additional drawings, revised Drawings, or other directions issued subsequent to execution of the Contract will result in increased or decreased scope of the work, he shall notify the Village Third Party Inspector immediately and shall not proceed with the affected work until authorized.

C. The additions to or deductions from the Contract Sum shall be determined per the Contract Agreement.

D. See Change Order Procedures, Section 01028.

1.14 ARTICLE 8: TIME

A. The project schedule shall be determined based on the General Contractor's proposed construction time frame and agreed to prior to contract execution by all separate prime contractors.

B. Completion

1. Substantial completion of this project shall be achieved not later than _____.

2. Final completion shall be completed not more than one month after substantial completion; anticipated not to be later than _____.

1.15 ARTICLE 9.2: SCHEDULE OF VALUES

A. Within 15 working days after the award of the contract, each Contractor shall submit, to the Village Third Party Inspector, a complete breakdown by CSI number of all material and labor costs in each section of the work included in his contract.

1.16 ARTICLE 9.3: APPLICATIONS FOR PAYMENT

A. Until the project is 50% complete based on monthly certificates, payment will be made up to 92% of value of work in place and of materials suitably stored on the site or at verified storage areas.

B. After the project is 50% completed, partial payment will be made up to 100% of the value of additional work in place and materials suitably stored on the site or at verified storage areas, such that at project completion payments made will equal 96% of work in place, including approved change orders.

C. Final payment certificate will be issued when all work is completed, and payment of retained percentage will be made within thirty (30) days of date of final certificate, if all work is completed and accepted at that time.

D. Evidence, satisfactory to the Owner, may be required to show that all current obligations relating to this work are satisfied before releasing any payment due on the work. Before payment of the Final Estimate, each Contractor shall file an affidavit with the Owner stating that monetary obligations relating to lienable items in connection with this work have been fulfilled.

1.17 ARTICLE 10: PROTECTION OF PERSONS AND PROPERTY

A. The contractor shall continuously maintain adequate protection of all of the work from damage and shall protect the Owner's property from injury or loss arising in connection with this Contract. The Contractor shall make good any damage, injury, or loss, except such as may be directly due to errors in the Contract Documents or caused by agents or employees of the Owner or covered by Owner's Insurance responsibility. The Contractor shall adequately protect adjacent property as provided by Law and the Contract Documents.

B. The Contractor shall take all precautions and instruct his employees as necessary for the safety of all his employees on the work and shall comply with all applicable provisions of Federal, State and Municipal safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the premises where his work is being performed. The Contractor shall erect and properly maintain at all times as required by the conditions and progress of the work all safeguards necessary for the protection of workmen and the public and shall post danger signs warning of hazards created by construction operations.

C. In an emergency affecting the safety of life, or of the work, or of adjoining property, the Contractor is hereby instructed to take necessary measures to prevent threatened loss or injury. Any compensation, claimed by the Contractor on account of emergency work, shall be determined by agreement.

D. Any disturbances or damages to the work or improvements, or any impairment of facilities, resulting directly or indirectly from the Contractors operations shall be promptly restored, repaired, or replaced by the Contractor at his own expense, to the satisfaction of the Owner and the Village Third Party Inspector.

1.18 ARTICLE 11: INSURANCE AND BONDS

A. The limits of liability for the insurance required by the "Contractor's Liability Insurance" shall provide coverage for not less than the following amounts or greater where required by laws and regulations and is hereby supplemented to read for each contractor to carry:

1. State Statutory

2.	Applicable Federal (e.g. Longshoreman's)	Statutory
3.	Ohio Stop Gap Coverage	1,000,000
4.	Employers Liability	
	By Accident - Each Accident	500,000
	By Disease - Policy Limit	500,000
	By Disease - Each Employee	500,000

Comprehensive General Liability:

1.	Bodily Injury and Property Damage	
	General Aggregate	3,000,000*
	Products-Completed Operations Aggregate	3,000,000*
	Personal & Advertising Injury	2,000,000*
	Each Occurrence	2,000,000*

2. Property damage liability insurance will provide explosion, collapse and underground coverages where applicable. If blasting is required, $1,000,000 separate cover.

Comprehensive Automobile Liability under 11.1.1.6

Combined single limit	3,000,000*

* Can be provided with any combination of primary and excess coverage.

The contractual liability required by paragraph 11.1.1.8 of the general conditions shall provide coverage for not less than the following amounts:

Personal Injury	
General Aggregate	3,000,000*
Personal Injury each occurrence	2,000,000*

* Can be provided with any combination of primary and excess coverage.

B. Add paragraph 11.1.1.9 as follows: CONTRACTORS shall purchase and maintain until final payment property insurance upon the Work at the site to the full insurable value thereof (subject to such deductible amounts as may be provided in these General Conditions or required by Laws and Regulations). This insurance shall include the interests of OWNER, CONTRACTORS, the VILLAGE THIRD PARTY INSPECTOR consultants in the Work (all of whom shall be listed as insureds or additional insured parties), shall insure against the perils of fire and extended coverage, shall include "all-risk" insurance for physical loss and damage including theft, vandalism and malicious mischief, collapse and water damage, and such other perils as may be provided in these General Conditions, and shall include damages, losses and expenses arising out of or resulting from any insured loss or incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers, architects, attorneys and other professionals). If not covered under the "all-risk" insurance or otherwise provided in these General Conditions, CONTRACTOR shall purchase

and maintain similar property insurance on portions of the work stored on and off the site or in transit when such portion of the Work are to be included in an Application for Payment.

C. No operation shall commence on any work governed by a contract, until all insurance governed by provisions of the above paragraph, has been obtained and approved as adequate by the Owner.

1.19 ARTICLE 11.1.3: PROOF OF COVERAGE

A. Certificates of Insurance, complying with the requirements outlined heretofore must be submitted to the Owner and the Village Third Party Inspector. In the event of failure to furnish such certificates, or any change in or reduction of or cancellation of any required insurance, the Owner may terminate the Contract. In lieu of termination, the Owner and the Village Third Party Inspector at his option may designate a person, firm, or corporation to secure any of the required insurance and deduct the cost thereof from contract payment due. The Contractors Certificates of Insurance shall meet the following requirements:

- Copies of the certificates must be issued to the Owner.
- The name of the insured must agree with the name shown in the Contract.
- The policy numbers, effective and expiration dates, and the limits of the insurance must be shown.
- Location (street address, city and state) where the work to be performed or statement that coverage is for work anywhere in the United States must be shown.
- Type of work to be performed must be shown.
- Contain a "Guaranteed Cancellation" clause reading as follows:

  > The insurance coverage shown in this certificate will not be changed, reduced or canceled unless fifteen (15) days prior written notice is given to the Owner at the place to which this certificate is addressed.

- The certificate must be properly signed in ink by a representative of the insurance company.

B. Approval of the Contractor's insurance and authorization to commence work may be delayed if insurance certificates are incomplete in any of the above requirements. The Owner shall be furnished a certificate copy of the insurance policies upon request.

C. Contractor shall furnish copies of appropriate insurance certificates to the Owner along with the executed Contract.

1.20 ARTICLE 11.4: PROPERTY INSURANCE

A. The Owner will secure and maintain Standard Form Fire and Extended Coverage Policy upon all accepted work in place. The Policy will not include any coverage for tools or equipment used by the Contractor or his employees.

B. The Owner will assume the risks of rising water, flood, and earthquake, and they agree that it will not hold Contractor responsible for any loss or damage from these risks except those caused by the negligence of Contractor or his employees.

C. Fire and extended coverage insurance shall be for the benefit of Owner, the Contractor and the Owner hereby waives all right of recovery against Contractor for losses to be insured hereunder.

END OF SECTION

SECTION 01010

SUMMARY OF WORK - SINGLE CONTRACT

PART 1 GENERAL

1.1 REQUIREMENTS INCLUDED

A. The work to be performed consists of furnishing all the labor, material, equipment, transportation, and necessary services required by the bid documents and specifications to complete the project.

PART 2 SCOPE OF WORK

2.1 PRIME CONTRACT

A. It is intended that one (1) lump sum General Contract, be awarded for the work required to complete the entire project.

B. Separate contracts intended to be entered into by the Owner that are not part of this bid package include the following:

1. TBD

C. The Owner reserves the right to bid and award additional related contracts.

2.2 The General Contract will consist of the following specific work items as well as all incidental work required to accomplish the intent of the Contract Documents:

A. All site work including but not limited to: Clear the building B12 area, remove and stockpile all topsoil, excavate/backfill the project site to the proposed grades and the required compaction, all utility lines from public utility tie-in to the building service unless indicated otherwise either on the drawings or within other paragraphs of this specification section.

B. Demolish/remove all general trade items required to complete the project, including but not limited to, structure and accessories, foundations, slabs, curbs, masonry, roofing, doors, windows, hardware, finishes, and miscellaneous equipment including kitchen equipment as indicated or specified hazardous materials, etc.

C. Demolish/remove all asphalt and concrete pavement indicated. Coordinate with all other contractors related to underground conduit, piping, or equipment.

D. Rough and finish grade the project site, including regrading the existing topsoil stockpiles. Reseed areas disturbed during construction.

E. Demolish/remove all piping, ductwork, insulation, equipment, and controls indicated or required for a complete installation as shown on the Site Plans and Specifications.

F. Demolish/remove all heating, cooling, and ventilating equipment indicated or required for a complete installation as shown on the Site Plan and Specifications.

G. Demolish/remove all piping, vents, valves, insulation, and plumbing fixtures indicated or required for a complete installation as shown on the Site Plans and Specifications.

H. Demolish/ remove all plumbing equipment indicated or required for a complete installation as shown on the Site Plan and Specifications.

I. Demolish/remove all conduit, wiring, equipment, fixtures, controls, panels, and connections indicated or required for a complete installation as shown on the Site Plan and Specifications.

J. Schedule and coordinate all utility kills to Building B12 and adjacent buildings (if necessary) and the site as applicable, plus terminate all utilities as needed..

PART 3 SCHEDULING THE WORK

3.1 The General Contractor shall be responsible for scheduling the work to allow the project to be completed by the dates indicated in the contract including allowances for bad weather. Provide the Owner and the Village Third Party Inspector with weekly updates on the progress of the project and any change in projected completion date. Project shall start immediately following award of contracts (Anticipated date: _____).

PART 4 DEFINITIONS

4.1 The "Owner" refers to the Village of Newcomerstown Ohio.

4.2 The Village Third Party Inspector: S2F Corp, or his authorized representative.

PART 5 OWNER OCCUPANCY

5.1 The Owner will occupy the site and premises during the entire period of construction. Stage all work to facilitate the conduct of normal operations.

5.2 Cooperate with Owner to minimize conflict, and to facilitate Owner's operations.

5.3 Schedule the Work to accommodate Owner's requirements.

PART 6 LAYING OUT WORK

6.1 Before performing any of the work the Contractor shall field verify all dimensions and be responsible for correctness of same. No extra charge or compensation will be allowed because of the difference between actual dimensions and measurements indicated on the drawings. Any difference which may be found shall be indicated to the Village Third Party Inspector for consideration before proceeding with the work. If there should be any discrepancy in dimensions in the drawings, the correct dimensions shall be determined by field conditions.

PART 7 STANDARDS AND SUBSTITUTIONS

7.1 Any and all changes or substitutions to the project, scope of work consideration, must be submitted stating specifically the need for the Village Third Party Inspector to evaluate the proposal. The amount shall be added to or deducted from the base bid and indicated accordingly.

7.2 All proposals for substitution must be made prior to the bid and again prior to the award of the contracts and are subject to approval or rejection by the Village Third Party Inspector.

PART 8 UNCORRECTED WORK

8.1 If the Owner deems it expedient to accept the work injured or not done in accordance with the contract, an equitable adjustment will be made with a proper deduction from the contract prior for unsatisfactory work.

PART 9 WEATHER PROTECTION

9.1 It is the intent of these specifications that the Contractor shall protect his work and existing or adjacent property against weather, to maintain their work, materials, apparatus, free from injury or damage in accordance with the General Conditions during the entire construction period. Work likely to be damaged shall be covered or protected at the end of each day's work. Any work damaged by failure to provide protection above required shall be removed and replaced with new work at the Contractor's expense.

PART 10 PROTECTION OF PREMISES

10.1 Every precaution shall be taken to protect the surrounding premises and buildings from damage during the course of construction. All damage to the premises or existing structures shall be replaced or repaired to the original condition at the expense of the Contractor causing the damage.

PART 11 SHORING AND BRACING

11.1 The Contractor shall provide all shoring and bracing required for safety and proper execution of his work. He shall remove these items when the work is completed.

PART 12 CLEAN UP AND REMOVAL OF DEBRIS

12.1 The Contractor upon completion of the work and at other times during the project as required by the Owner or the Village Third Party Inspector, shall collect and remove all rubbish and debris pertaining to his work.

PART 13 TEMPORARY SUPPORT FACILITIES

13.1 Each Contractor shall provide whatever facilities and services may be needed to properly support primary construction process and meet compliance requirements and governing regulations. Provide miscellaneous facilities as needed including temporary ramps, ladders, runways, staging, shoring, scaffolding, bridges, railings, bracing, barriers, closures, platforms, dump chutes, receptacles, and similar items.

PART 14 WASTE MATERIALS

14.1 Collect and containerize debris daily; remove from site minimum of twice weekly or as large quantities accumulate.

PART 15 SECURITY AND PROTECTION

15.1 The Contractor shall provide facilities and services as necessary to effectively protect property from losses and persons from injury during the course of construction. Each contractor shall be responsible for securing and protecting from loss any materials and equipment supplied under their contract.

15.2 Provide local approved barricades at hazardous locations, complete with the signs, general lighting, warning lights, and similar devices where appropriate or required. Barricades shall be provided to prevent casual entrance into the various construction areas by the public.

END OF SECTION

SECTION 01027

APPLICATIONS FOR PAYMENT

PART 1 GENERAL

1.1 SECTION INCLUDED

A. Procedures for preparation and submittal of Applications for Payment.

1.2 RELATED SECTIONS

A. Agreement: Contract Sum/Price amounts of progress payments and retainages, time schedule for submittals.

B. General Conditions: Progress payments and final payments.

C. Supplementary General Conditions: Retainage.

D. Section 01300 - Submittals: Submittal procedures.

E. Section 01700 - Contract Closeout: Final payment.

1.3 FORMAT

A. Application and Certificate for Payment: TBD

1.4 PREPARATION OF APPLICATIONS

A. Present required information in typewritten form.

B. Execute certification by signature of authorized officer.

C. Use data from approved Schedule of Values. Provide dollar value in each column for each line item for portion of work performed and for stored products. Format shall follow standard CSI division numbers for breakdown of work.

D. List each authorized Change Order as an extension on continuation sheet, listing Change Order number and dollar amount as for an original item of Work.

E. Prepare Application for Final Payment as specified in Section 01700.

1.5 SUBMITTAL PROCEDURES

A. Submit three copies of each Application for Payment.

B. Payment Period: Submit at monthly interval stipulated in the Agreement.

C. Submit under transmittal letter specified in Section 01300.

1.6 SUBSTANTIATING DATA

A. When the Village Third Party Inspector requires substantiating information, submit data justifying dollar amounts in question.

B. Provide one copy of data with cover letter for each copy of submittal. Show Application number and date, and line item by number and description.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION

SECTION 01028

MODIFICATION PROCEDURES

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Documentation of change in Contract Sum and Contract Time.

B. Change procedures.

C. Construction Change Directive

D. Stipulated Sum change order.

E. Time and material change order.

F. Execution of change orders.

1.2 RELATED SECTIONS

A. Section 01300 - Submittals.

B. Section 01600 - Material and Equipment: Product options and substitutions.

C. Section 01700 - Contract Closeout: Project Record Documents.

1.3 SUBMITTALS

A. Submit name of the individual authorized to receive change documents, and be responsible for informing others in Contractor's employ or Subcontractors of changes to the Work.

1.4 DOCUMENTATION OF CHANGE IN CONTRACT SUM AND CONTRACT TIME

A. Maintain detailed records of work done on a time and material basis. Provide full information required for evaluation of proposed changes, and to substantiate costs of changes in the Work.

B. Document each quotation for a change in cost or time with sufficient data to allow evaluation of the quotation.

C. On request, provide additional data to support computations:

1. Quantities of products, labor, and equipment.
2. Taxes, insurance and bonds.
3. Overhead and profit.

4. Justification for any change in Contract Time.
5. Credit for deletions from Contract, similarly documented.

D. Support each claim for additional costs, and for work done on a time and material basis, with additional information:
1. Origin and date of claim.
2. Dates and times work was performed, and by whom.
3. Time records and wage rates paid.
4. Invoices and receipts for products, equipment, and subcontracts, similarly documented.

1.5 CHANGE PROCEDURES

A. The Village Third Party Inspector will advise of minor changes in the Work not involving an adjustment to Contract Sum or Contract Time.

B. The Village Third Party Inspector may issue a Proposal Request, Bulletin, or Notice of Change which includes a detailed description of a proposed change with supplementary or revised Drawings and specifications, and a change in Contract Time for executing the change. Contractor will prepare and submit an estimate within the time specified on the request or notice documents.

C. The Contractor may propose a change by submitting a request for change to the Village Third Party Inspector, describing the proposed change and its full effect on the Work, with a statement describing the reason for the change, and the effect on the Contract Sum and Contract Time with full documentation.

1.6 CONSTRUCTION CHANGE DIRECTIVE

A. The Village Third Party Inspector may issue a document, signed by the Owner, instructing the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.

B. The document will describe changes in the Work, and will designate method of determining any change in Contract Sum or Contract Time.

C. Promptly execute the change in Work.

1.7 STIPULATED SUM CHANGE ORDER

A. Based on Proposal Request and Contractor's fixed maximum price quotation.

1.8 TIME AND MATERIAL CHANGE ORDER

A. Submit itemized account and supporting data after completion of change, within time limits indicated in the Conditions of the Contract.

B. The Village Third Party Inspector will determine the change allowable in Contract Sum and Contract Time as provided in the Contract Documents.

C. Maintain detailed records of work done on Time and Material basis.

D. Provide full information required for evaluation of proposed changes, and to substantiate costs for changes in the Work.

1.9 CHANGE ORDER PRICING GUIDELINES

A. Labor - All field labor expended by this prime contractor at the base rate without fringe benefits. The payroll to be based on straight time only and to include number of hours and rate for each item in Bulletin.

B. All establishing payroll taxes, assessments and fringe benefits. This may include Bond, FICA, Federal Unemployment, Local Health and Welfare, Local Pension Fund, State Unemployment Workers' Compensation, Public Liability and Property, Local Apprentice Fund. Each of these categories is to be a separate line item.

C. Rentals:

1. Heavy equipment and trucking.

D. Travel Expenses:

1. Travel expense for employees brought to the job specifically for this change order.

2. Living expenses for employees while working on this change order.

E. Overhead:

1. Overhead on Items A, B, C, D: 10 percent.

F. Materials:

1. Agreed on value of materials taken from the contract work, as unused new materials, unless specifically designated otherwise.

G. Profit on Items A, B, C, D, E, F: 10 percent.

H. Miscellaneous items - (without overhead or profit):

1. Extra "out-of-pocket" insurance premiums, job connected.

2. Telephone, telegrams, photos, etc.

3. Fees for permits, licenses, inspections, etc.

4. Premium payments for overtime work or special conditions.

I. The use of the Contractor's small tools, light weight equipment, gear, simple scaffolds, etc., shall be considered a part of the overhead cost.

J. The Village Third Party Inspector reserves the right to approve items entering into the "actual field cost" before commitments are made.

K. The Owner has the right to audit the Contractor's records insofar as the "line item cost" work is concerned.

1.10 EXECUTION OF CHANGE ORDERS

A. Execution of Change Orders: The Village Third Party Inspector will issue Change Orders for signatures of parties as provided in the Conditions of the Contract.

1.11 CORRELATION OF CONTRACTOR SUBMITTALS

A. Promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as a separate line item and adjust the Contract Sum.

B. Promptly revise progress schedules to reflect any change in Contract Time, revise sub-schedules to adjust time for other items of work affected by the change, and resubmit.

C. Promptly enter changes in Project Record Documents.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION

SECTION 01039

COORDINATION AND MEETINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Coordination.

B. Project Site Verification

C. Pre-Construction Conference.

D. Progress meetings..

E. Examination.

F. Preparation

1.2 COORDINATION

A. Coordinate scheduling, submittals, and Work of the various sections of the Project Manual to assure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later, if requested and if applicable.

B. Verify utility requirements and characteristics of operating equipment are compatible with building utilities. Coordinate work of various sections and all applicable utility kills and or disconnections.

C. Coordinate demolition requirements and of all mechanical and electrical work which are indicated diagrammatically on Drawings.

D. Coordinate completion and clean up of Work of separate sections in preparation for Substantial Completion.

E. Coordinate access to site in accordance with Contract Documents, for Owner's activities.

1.3 PROJECT SITE VERIFICATION

A. Contractor to verify site conditions prior to commencement of the project..

1.4 PRE-CONSTRUCTION CONFERENCE

A. The Village Administration and the Village Third Party Inspector will schedule the Pre-Construction Conference after Notice of Award.

B. Attendance Required: Contractor's representative, job superintendents, major Subcontractors and suppliers, Owner, the Village Third Party Inspector (or their representatives), as appropriate to agenda topics for each meeting.

C. Agenda:

1. Distribution of Contract Documents.
2. Submission of list of Subcontractors, schedule of values, and progress schedule.
3. Designation of personnel representing the parties in Contract, and the Village Third Party Inspector.
4. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
5. Scheduling.
6. Use of premises by Owner and Contractor.
7. Owner's requirements.
8. Construction facilities and controls provided by Owner.
9. Temporary utilities.
10. Security and housekeeping procedures.
11. Procedures for testing.
12. Procedures for maintaining record documents.

D. The Village Third Party Inspector shall record minutes and distribute copies within five days after meeting to participants, with one copy to the Village Third Party Inspector, Owner, participants, and those affected by decisions made.

1.5 PROGRESS MEETINGS

A. The Contractor shall schedule and administer a monthly meeting throughout progress of the project.

B. The Contractor will make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.

C. Attendance Required: The Contractor's representative, job superintendents, major Subcontractors and Owner, the Village Third Party Inspector as appropriate to agenda topics for each meeting.

D. Agenda:

1. Previous Meeting Minutes
2. Safety
3. Progress
4. Proposed Work
5. Schedule
6. Submittals
7. Change Orders/Proposals
8. RFI's
9. New Business
10. Old Business

E. The Contractor shall record minutes and distribute copies within five days after meeting to participants, with one copy to the Village Third Party, Owner, participants, and those affected by decisions made.

PART 2 PRODUCTS

None

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that existing site conditions.

B. Examine and verify specific conditions described in individual specification sections.

C. Verify that utility services are disconnected and/or terminated.

3.2 PREPARATION

A. Insure site perimeter is secure and posted.

END OF SECTION

SECTION 01300

SUBMITTALS

PART 1 GENERAL

1.1 SECTION INCLUDED

A. Abatement and Demolition progress schedules.

B. RFI's

C. Certificates/Receipts related to Proper Disposal of Materials/Test Reports

1.2 RELATED SECTIONS

A. Section 01400 - Quality Control:

B. Section 01700 - Contract Closeout: Closeout submittals.

1.3 CONSTRUCTION PROGRESS SCHEDULES

A. The Contractor must submit their project schedule in within **15 (fifteen) working days** after date of Owner-Contractor Agreement.

1.4 RFI's (Request for Information)

A. All RFI's must be submitted to the Village Third Party Inspector in writing.

1.5 REPORTS

A. See Pre-Demolition Hazardous Materials Assessment as prepared by **EA** Group.

END OF SECTION

SECTION 01400

QUALITY CONTROL

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Quality assurance - control of abatement and removals.

B. References and standards.

C. Testing laboratory services.

1.2 QUALITY ASSURANCE - CONTROL OF INSTALLATION

A. Monitor quality control over Work.

B. Comply with specified standards as minimum quality for the Work..

C. Perform Work by persons qualified to produce required and specified quality.

D. Verify that field conditions are as indicated on Site Plan or as instructed by the Village Third Party Inspector..

1.3 REFERENCES AND STANDARDS

A. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor those of the Village Third Party Inspector shall be altered from the Contract Documents by mention or inference otherwise in any reference document.

1.4 TESTING SERVICES (IF REQUIRED)

A. The Contractor shall appoint, employ, and pay for specified services of an independent firm to perform testing, as/if applicable.

B. The independent firm will perform tests and other services specified in individual specification sections and as required by the Village Third Party Inspector, if applicable.

C. Testing and source quality control may occur on or off the project site. Perform off-site testing as required by the Village Third Party Inspector or the Owner, if applicable.

D. Testing does not relieve Contractor to perform Work to contract requirements.

E. Re-testing required because of non-conformance to specified requirements shall be performed by the same independent firm on instructions by the Village Third Party Inspector. Payment for re-testing will be charged to the Contractor by deducting testing charges from the Contract Sum/Price.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that existing site conditions are acceptable for subsequent Work. Beginning new Work means acceptance of existing conditions.

B. Verify that utility services are disconnected and/or terminated.

3.2 PREPARATION

A. Insure site perimeter is secure and posted.

END OF SECTION

SECTION 01500

TEMPORARY FACILITIES BY THE CONTRACTOR

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Temporary Utilities: Electricity, lighting, heat, ventilation, telephone service, water, and sanitary facilities.

B. Temporary Field Office: Office for Contractor's personnel and space for meetings with Owner and Village Third Party Inspector.

C. Temporary Controls: Barriers, enclosures and fencing, protection of the Work, and water control.

D. Construction Facilities: Parking, progress cleaning.

1.2 TEMPORARY ELECTRICITY

A. Cost: Contractor to provide and pay for power service required from utility source.

B. Provide temporary electric feeder from electrical service at location.

1.3 TEMPORARY LIGHTING

A. Contractor shall provide and maintain lighting for project, as needed.

1.4 TEMPORARY WATER SERVICE

A. The Contractor shall provide, maintain and pay for suitable water service required for project scopes of Work..

1.5 TEMPORARY SANITARY FACILITIES

A. The Contractor shall provide and maintain required facilities and enclosures.

B. At end of construction, remove facilities.

1.6 BARRIERS

A. The Contractor shall provide barriers to prevent unauthorized entry to project areas and to protect existing facilities, completed work, and adjacent properties from damage during project operations.

1.7 FENCING

A. Project: The Contractor to maintain or install as needed.

B. Safety: Per OSHA requirements.

1.8 WATER CONTROL

A. Grade site to drain. Maintain excavations free of water. Provide, operate, and maintain pumping equipment, if needed.

B. Protect site from puddling or running water. Provide water barriers as required to protect site from soil erosion.

1.9 SECURITY

A. The Contractor shall provide security to protect and secure the site from unauthorized entry, vandalism, or theft.

B. The Contractor shall be responsible for his own tools and equipment.

1.10 ACCESS ROADS

A. The Contractor shall maintain the existing roads and drives accessing public thoroughfares to serve project area.

B. Extend and relocate as Work progress requires. Provide detours necessary for unimpeded traffic flow.

C. Provide and maintain access to fire hydrants, free of obstructions.

D. Designated existing on-site roads will be used for construction traffic.

1.11 PARKING

A. Arrange temporary parking areas to accommodate project personnel.

1.12 PROGRESS CLEANING

A. The Contractor shall maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.

B. The Contractor shall remove debris and rubbish from the site.

C. The Contractor shall collect and remove waste materials, debris, and rubbish from work area periodically and Contractor shall dispose off-site.

1.13 PROJECT IDENTIFICATION

A. See Section 01580 for Project Sign.

1.14 FIELD OFFICES AND SHEDS - BY CONTRACTOR

A. Office: Weather-tight, with lighting and electrical outlets.

B. Provide space for project meetings, with table and chairs to accommodate two (2) each party to the contract, if requested by the Owner.

1.15 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

A. The Contractor shall remove temporary above grade or buried utilities, equipment, facilities, materials, etc. as related to their portion of the work prior to Substantial Completion.

B. Restore existing facilities used during construction to original condition.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION

SECTION 01580

PROJECT SIGN

PART 1 GENERAL

1.1 GENERAL REQUIREMENTS

A. Requirements stated in the General Conditions of these Specifications shall apply to work in this section.

1.2 DESCRIPTION OF WORK

A. The Contractor shall supply all labor, equipment and materials necessary to fabricate and erect a temporary Project Sign plus the removal of any temporary signs upon completion of project.

1.3 PAYMENT

A. No separate payment will be made for this work. Costs involved shall be incorporated into the Base Bid of the project.

PART 2 PRODUCTS

2.1 PROJECT SIGN BOARD

A. The Project Sign board shall be on exterior plywood to the size to be determined by the Village Third Part Inspector (4'x8' assumed). The sign shall be painted with one coat of white primer and turpentine and two coats of white enamel of exterior grade equal to "Glidden." The letters, border, stripes and graphics shall be painted as determined by the Village Third Party Inspector. Posts and cross brace shall be pine or fir painted with two finish coats of brown enamel, "Glidden" or equal approved by the Village Third Party Inspector.

PART 3 EXECUTION

3.1 LOCATION

A. Location the Project Sign will be determined in the field by the Owner and the Village Third Party Inspector.

B. The Project Sign shall be bolted to the posts with cross bracing provided as required. The sign shall be erected with the posts set in a gravel base, as determined by the Village Third Party Inspector.

END OF SECTION

SECTION 01700

CONTRACT CLOSEOUT

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Closeout procedures.

B. Final cleaning.

C. Project record documents.

D. Warranties, if applicable.

1.2 RELATED SECTIONS

A. Section 01500 - Construction Facilities and Temporary Controls: Progress cleaning.

1.3 CLOSEOUT PROCEDURES

A. Submit written certification that Contract Documents have been reviewed, Work has been inspected, and that Work is complete in accordance with Contract Documents and ready for Village Third Party Inspector's inspection.

B. Provide submittals to the Village Third Party Inspector that are required by governing or other authorities, as needed.

C. Submit final Application for Payment identifying total adjusted Contract Sum, previous payments, and sum remaining due.

1.4 FINAL CLEANING

A. Execute final cleaning prior to final inspection.

B. Clean debris from drainage systems.

C. Clean site; sweep paved areas, rake clean landscaped surfaces.

D. Remove waste and surplus materials, rubbish, and construction facilities from the site.

1.5 PROJECT RECORD DOCUMENTS

A. Maintain on site, one set of the following record documents; record actual revisions to the Work:

1. Site Plan with any revisions and special conditions/features.

B. Ensure entries are complete and accurate, enabling future reference by Owner.

C. Store record documents separate from documents used for the project.

D. Record information concurrent with construction progress.

E. Record Documents/Site Plan. Legibly mark each item to record actual project conditions including:

1. Measured horizontal and vertical locations of existing or abandon underground utilities and appurtenances, referenced to permanent surface improvements.
2. Field changes and details.
3. Details not on original Contract drawings.

F. Submit documents to the Village Third Party Inspector with claim for final Application for Payment.

G.

1.6 WARRANTIES

A. The Contractor shall guarantee in writing to the Village Third Party Inspector and Owner that work herein per the contract agreement.

B. Provide duplicate notarized copies (three copies).

C. Submit prior to final Application for Payment.

1.7 CLOSE OUT ITEMS

A. Submit closeout items, along with the form at the end of this section, in a single package prior to request for retainage. Indicate items included. If items do not apply indicate same. Incomplete packages wil be returned.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION

ATTACHMENT

PROJECT CLOSEOUT/REQUEST FOR RETAINAGE

Project Name:

Job Number:

Contractor:

Contract for:

Date:

Please be advised that you must provide closeout information as required in Section 01700 of the Specifications, and all punchlist items must be complete before retainage can be released.

Submit all items as a package along with your request for retainage, and a signed copy of this form.

Items shall include (where applicable):

PART ☐ Final Waiver of Liens

PART ☐ Prevailing Wage Affidavit

PART ☐ Contractors Warranty Statement

PART ☐ Record Drawing (Site Plan)

PART ☐ Signed Copies of Outstanding Change Orders (if needed).

PART ☐ Consent of Surety to Final Payment

_____ _____

Signed Date

SECTION 02060

DEMOLITION OF STRUCTURES

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Demolition of the designated structure and removal of materials from site.

B. Demolition and removal of foundations and slabs-on-grade to 30" minimum below the finish grade.

C. Disconnecting, capping, and removal of identified utilities.

1.2 RELATED SECTIONS

A. Section 01039 - Coordination and Meetings

B. Section 01500 - Construction Facilities and Temporary Controls: Barriers, fences, protection, etc. Dust control.

C. Section 01700 - Contract Closeout: Project record documents.

D. Section 02110 - Site Clearing: Clearing outside periphery of structures.

E. Section 02205 - Soil Materials: Backfill materials.

1.3 SUBMITTALS

A. Submit under provisions of Section 01300.

B. Record Documents: Accurately record actual locations of capped utilities, subsurface obstructions, and related conditions.

1.4 QUALIFICATIONS

A. Demolition Firm: Company specializing in performing the Work of this Section with minimum five years documented experience.

1.5 REGULATORY REQUIREMENTS

A. Conform to applicable codes for demolition of structures, safety of adjacent structures, dust control, runoff control, and disposal.

B. Obtain required permits from authorities.

C. Notify affected utility companies before starting work and comply with their requirements.

D. Do not close or obstruct roadways, sidewalks, or hydrants without permits.

E. Conform to applicable regulatory procedures when discovering hazardous or contaminated materials.

1.6 SEQUENCING

A. Sequence work under the provisions of Section 01010.

1.7 SCHEDULING

A. Schedule work under the provisions of Section 01300.

B. Describe demolition removal procedures and schedule.

C. Perform work between the hours as determined at the Pre-Construction Conference.

PART 2 PRODUCTS

2.1 FILL MATERIALS

A. Fill Material: Type specified in Section 02205.

PART 3 EXECUTION

3.1 PREPARATION

A. Provide, erect, and maintain temporary barriers and security devices at locations indicated or required as directed.

B. Mark location of remaining utilities.

3.2 DEMOLITION REQUIREMENTS

A. Conduct demolition to minimize interference with adjacent sites.

B. Conduct operations with minimum interference to public or private accesses. Maintain egress and access at all times.

C. Sprinkle Work with water to minimize dust. Provide hoses and water connections for this purpose.

3.3 DEMOLITION

A. Disconnect, remove, cap, and identify designated utilities within demolition areas.

B. Remove foundation walls and footings to a minimum of two feet/six inches (30") below the finished grade.

C. Remove concrete slabs on grade..

D. Backfill areas excavated, open pits and holes caused as a result of demolition, in accordance with Section 02223.

E. Rough grade and compact areas affected by demolition to maintain site grades and contours.

F. Remove demolished materials from the site and/or use as hard fill in open foundation spaces.

G. Do not burn or bury materials on site. Leave site in clean condition.

H. Remove temporary work.

END OF SECTION

SECTION 02110

SITE CLEARING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Remove surface debris.

B. Remove paving, curbs, and miscellaneous items as indicated, or required.

C. Clear site of plant life and grass in the project demolition areas.

D. Remove trees and shrubs as indicated or necessary in areas of demolition.

E. Remove root system of trees and shrubs, if applicable.

F. Topsoil excavation.

1.2 REGULATORY REQUIREMENTS

A. Conform to applicable code for disposal of debris, burning debris on site, and use of herbicides.

B. Coordinate clearing Work with utility companies.

PART 2 EXECUTION

2.1 PREPARATION

A. Verify that existing plant life designated to remain.

2.2 PROTECTION

A. Locate, identify, and protect utilities that remain.

B. Protect trees, plant growth, and features designated to remain.

2.3 CLEARING

A. Clear areas required for access to site and execution of Work.

B. Remove paving and curbs.

C. Remove trees with stumps and shrubs within indicated demolition areas.

2.4 REMOVAL

A. Remove debris, rock, and extracted plant life from the site.

2.5 TOPSOIL EXCAVATION

A. Excavate topsoil from areas to be further excavated and re-graded.

B. Stockpile in area designated on site to depth not exceeding 8 feet. Protect from erosion, if applicable.

END OF SECTION

SECTION 02202

ROCK REMOVAL

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Non-explosive removal of identified rock during excavation.

1.2 RELATED SECTIONS

A. Document 00200 - Information Available to Bidders: Soil investigation report; bore hole locations and findings of subsurface materials.

B. Section 01400 - Quality Control: Inspection of bearing surfaces.

C. Section 02211 - Rough Grading.

1.3 SUBMITTALS

A. Submit under provisions of Section 01300.

1.4 SCHEDULING

A. Schedule work under the provisions of Section 01300.

PART 2 PRODUCTS

Not Applicable

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify site conditions under provisions of Section 01039.

B. Verify site conditions and note subsurface irregularities affecting work of this Section.

3.2 PREPARATION

A. Identify required lines, levels, contours, and datum.

3.3 ROCK REMOVAL - MECHANICAL METHOD

A. Excavate and remove rock by the mechanical method.

B. Remove excavated materials and haul to designated location for wasting on site.

C. Correct unauthorized rock removal in accordance with backfilling and compaction requirements of Section 02223.

3.4 FIELD QUALITY CONTROL

A. Field inspection and testing will be performed under provisions of Section 01400, if aplicable.

END OF SECTION

SECTION 02205

SOIL MATERIALS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Subsoil and topsoil materials.

1.2 RELATED SECTIONS

A. Section 00200 - Information Available to Bidders.

B. Section 01400 - Quality Control.

C. Section 02211 - Rough Grading.

D. Section 02936 - Seeding.

1.3 REFERENCES

A. AASHTO T180 - Moisture-Density Relations of Soils Using a 10-lb (4.54 kg) Rammer and an 18-in. (457 mm) Drop.

B. ANSI/ASTM D698 - Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 5.5 lb (2.49 Kg) Rammer and 12 inch (304.8 mm) Drop.

C. ANSI/ASTM D1556 - Test Method for Density of Soil in Place by the Sand-Cone Method.

D. ANSI/ASTM D1557 - Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10 lb (4.54 Kg) Rammer and 18 inch (457 mm) Drop.

E. ASTM D2167 - Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method.

F. ASTM D2487 - Classification of Soils for Engineering Purposes.

G. ASTM D2922 - Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth).

H. ASTM D3017 - Test Methods for Moisture Content of Soil and Soil-Aggregate Mixtures.

I. ODOT/Specification Manual.

1.4 SUBMITTALS

A. Submit under provisions of Section 01300.

PART 2 PRODUCTS

2.1 SOIL MATERIALS

A. Subsoil: Excavated and re-used material, graded, free of lumps larger than 2 inches, rocks larger than 2 inches, and debris.

B. Topsoil: Excavated and stockpiled material, graded, free of roots, rocks larger than 1 inch, subsoil, debris, large weeds and foreign matter.

PART 3 EXECUTION

3.1 STOCKPILING

A. Stockpile materials on site at locations designated by the Village Third Party Inspector.

B. Stockpile in sufficient quantities to meet project schedule and requirements.

C. Direct surface water away from stockpile site to prevent erosion or deterioration of materials.

3.2 STOCKPILE CLEANUP

A. Remove stockpile, leave area in a clean and neat condition. Grade site surface to prevent free standing surface water.

END OF SECTION

SECTION 02211

ROUGH GRADING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Removal of topsoil and subsoil.

B. Cutting, grading, filling and rough contouring the site.

1.2 RELATED SECTIONS

A. Section 01400 - Quality Control

B. Section 02110 - Site Clearing.

C. Section 02923 - Landscape Grading: Finish grading with topsoil to contours.

1.3 REFERENCES

A. ANSI/ASTM D698 - Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 5.5 lb (2.49 Kg) Rammer and 12 inch (304.8 mm) Drop. (Standard Proctor)

B. ANSI/ASTM D1556 - Test Method for Density of Soil in Place by the Sand-Cone or Nuclear Method.

C. ANSI/ASTM D1557 - Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10 lb (4.54 Kg) Rammer and 18 inch (457 mm) Drop. (Modified Proctor)

D. ANSI/ASTM D2922 - Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods.

1.4 PROJECT RECORD DOCUMENTS

A. Submit under provisions of Section 01700.

B. Accurately record actual locations of utilities remaining, by horizontal dimensions, elevations or inverts, and slope gradients.

PART 2 PRODUCTS

2.1 MATERIALS

A. Topsoil: Excavated material, graded, free of roots, rocks larger than 1 inch, subsoil, debris, and large weeds.

B. Subsoil: Excavated material, graded, free of lumps larger than 2 inches, rocks larger than 2 inches, and debris.

C. Granular Fill: Specified in ODOT Designation, or in Section 02223.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify site conditions under provisions of Section 01039.

3.2 PREPARATION

A. Identify required lines, levels, contours, and datum.

B. Identify known underground, above ground, and aerial utilities. Stake and flag locations.

C. Notify utility company to mark and remove utilities as necessary.

D. Protect above and below grade utilities which are to remain.

E. Protect plant life, lawns, and other features remaining as a portion of final landscaping.

F. Protect bench marks, existing structures, fences, sidewalks, paving, and curbs from excavation equipment and vehicular traffic in the public right-of-ways.

3.3 TOPSOIL EXCAVATION

A. Excavate topsoil from areas to be further excavated and re-graded.

B. Stockpile in area designated on site.

C. Do not excavate wet topsoil.

D. Stockpile topsoil to depth not exceeding 8 feet.

3.4 SUBSOIL EXCAVATION

A. Excavate subsoil from areas to be further excavated and re-grade, as required.

B. Stockpile in area designated on site.

C. Do not excavate wet subsoil.

D. Stockpile subsoil to depth not exceeding 8 feet.

3.5 FILLING

A. Fill areas to contours and elevations with unfrozen materials.

B. Granular Fill: Place and compact materials in continuous layers not exceeding 6 inches compacted depth, compacted to 95 percent of maximum dry density in accordance with ASTM D1557 (Modified Proctor).

C. Subsoil and Topsoil Fill: Place and compact material in continuous layers not exceeding 8 inches compacted depth, compacted to 90 percent of maximum dry density in accordance with ASTM D1557 (Modified Proctor).

D. Sand: Place and compact materials in continuous lifts not exceeding 6" compacted depth compact to 95% maximum dry density in accordance with ASTM D1557.

E. Maintain optimum moisture content of fill materials to attain required compaction density.

F. Slope grade away from building a minimum of 2 inches in 10 ft, unless noted otherwise.

G. Make grade changes gradual. Blend slope into level areas.

3.6 TOLERANCES

A. Top Surface of Subgrade: Plus or minus 1/10 foot.

3.7 FIELD QUALITY CONTROL

A. Field inspection and testing will be performed under provisions of Section 01400.

B. Tests and analysis of fill material will be performed in accordance with ANSI/ASTM D1557 and with Section 01400.

END OF SECTION

SECTION 02936

SEEDING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Seeding, mulching and fertilizer, only in designated areas.

1.2 RELATED SECTIONS

A. Section 02205 - Soil Materials: Topsoil material.

B. Section 02223 - Backfilling: Rough grading of site.

1.3 REFERENCES

A. FS O-F-241 - Fertilizers, Mixed, Commercial.

1.4 DEFINITIONS

A. Weeds: Include Dandelion, Jimsonweed, Quackgrass, Horsetail, Morning Glory, Rush Grass, Mustard, Lambsquarter, Chickweed, Cress, Crabgrass, Canadian Thistle, Nutgrass, Poison Oak, Blackberry, Tansy, Ragwort, Bermuda Grass, Johnson Grass, Poison Ivy, Nut Sedge, Nimble Will, Bindweed, Bent Grass, Wild Garlic, Perennial Sorrel, and Brome Grass.

1.5 QUALITY ASSURANCE

A. Provide seed mixture in containers showing percentage of seed mix, year of production, net weight, date of packaging, and location of packaging.

1.6 REGULATORY REQUIREMENTS

A. Comply with regulatory agencies for fertilizer and herbicide composition.

1.7 COORDINATION

A. Coordinate work under provisions of Section 01039.

PART 2 PRODUCTS

2.1 SEED MIXTURE

A. Seed Mixture Blend:

1. 35 percent Kentucky Bluegrass (Poa pratensis)
2. 35 percent Creeping Red Fescue (Festuca rubra)
3. 10 percent Annual Ryerass (Lolium multiflorum)
4. 20 percent Perennial Ryegrass

2.2 ACCESSORIES

A. Mulching Material: Oat or wheat straw, free from weeds, foreign matter detrimental to plant life, and dry. Hay or chopped cornstalks are not acceptable.

B. Fertilizer: FS O-F-241, Type I, Grade A; recommended for grass, with fifty percent of the elements derived from organic sources; of proportion necessary to eliminate any deficiencies of topsoil, to the following proportions: Nitrogen 8 percent, phosphoric acid 32 percent, soluble potash 16 percent.

C. Water: Clean, fresh and free of substances or matter which could inhibit vigorous growth of grass.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that prepared soil base is ready to receive the work of this Section.

3.2 FERTILIZING

A. Apply fertilizer at a rate of 25 lbs./1000 SF.

B. Apply after smooth raking of topsoil and prior to roller compaction.

C. Do not apply fertilizer at same time or with same machine as will be used to apply seed.

D. Mix thoroughly into upper 2 inches of topsoil.

3.3 SEEDING

A. Apply seed at a rate of 6 lbs per 1000 sq. ft. evenly in two intersecting directions. Rake in lightly.

B. Do not seed areas in excess of that which can be mulched on same day.

C. Planting Season: April 1 - June 1
August 1 - October 15

D. Do not sow immediately following rain, when ground is too dry, or during windy periods.

E. Roll seeded area with roller not exceeding 112 lbs.

F. Immediately following seeding, apply mulch to a thickness of 1/8 inch. Maintain clear of shrubs and trees.

G. Apply water with a fine spray immediately after each area has been mulched. Saturate to 4 inches of soil.

3.4 HYDROSEEDING

A. Hydroseeding method is acceptable for distribution of seed and fertilizer. Provide mulch and method according to best trade practices, if requested and/or applicable.

END OF SECTION

ATTACHMENTS FOR NEWCOMERSTOWN - SIMONDS PROJECT BID DOCUMENT (PHASE 1 PROJECT)

A. Basic site plan portion of the Simonds site/area specifically related to phase 1 scopes of work of this project phase (abatement/removals, demolition/haul off, site restoration/grading, etc.) considered for clarification and orientation (also with reference to the EA Group assessment report).

B. Total overall site plan of the Simonds site/area and the Village's riverside future park site phased development project and its scopes of work/specs for haul-in and burial/fill areas for clarification and orientation, if applicable.

C. Estimated/proposed project bar chart schedule of phase 1 and time lines/durations from start to completion (finish) of work related to abatement of hazardous materials, demolition of Building B12 structure, site clean up, debris removals/burials, etc.

D. EA Group Simonds site pre-demolition hazardous materials assessment report.

E. Simonds site phase 1 environmental study report document upon request.

RECAP OF PROJECT SCOPES OF WORK FOR NCT - Simonds Site Clean-Up Project - Phase 1

Out to bid:	August 5, 2020
Bid Opening:	August 26, 2020
Project Commencement:	Mid/End of September 2020

Design/Engineer Project-Phase 1 Estimate: $165,000.00

Scopes of Work:

1) Repair and maintain site perimeter fencing to secure this entire site/property for this and future phases until total completion.

2) Remove all RACM (Regulated Asbestos - Containing Materials) and any other contaminated materials as noted in the E.A. Group report/survey package from building B-12.

3) Demo building B-12 completely to minimum of 30" below finish grade around building perimeter.

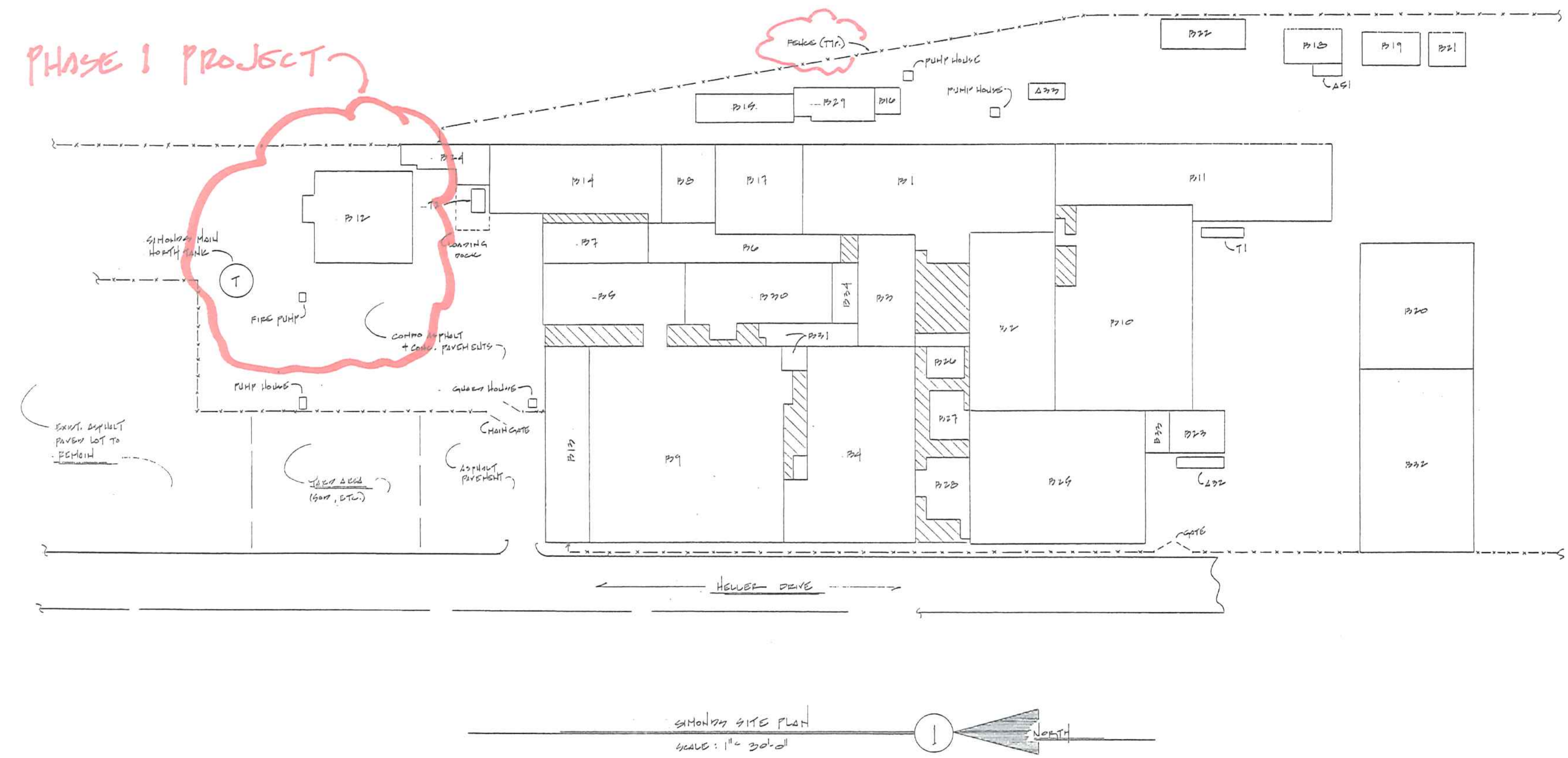
4) Dispose of all hardfill/non-contaminated materials in the basement areas/spaces of building B-12 (from building B-12 and the surrounding adjacent site stockpiles).

5) Verify, identify and coordinate all utility disconnects/kills as/if needed with the Village and utility providers for building B-12, adjacent site and right of ways.

6) The contractor(s) shall coordinate all project work around the Village departments (street and utility) and AEP (electrical company provider) demo/clean-ups/housekeeping of this project vegetation, electrical/utility poles, lines, transformers, etc.

7) All salvageable/scrapped metal/steel/materials shall be given to the contractor. The salvageable/scrapped materials may be stockpiled/staged on site until removed by the contractor at any given time during the scheduled project phase duration/period.

ATTACHMENT A



CONSULTANTS

S2F CORP.
START TO FINISH SERVICES

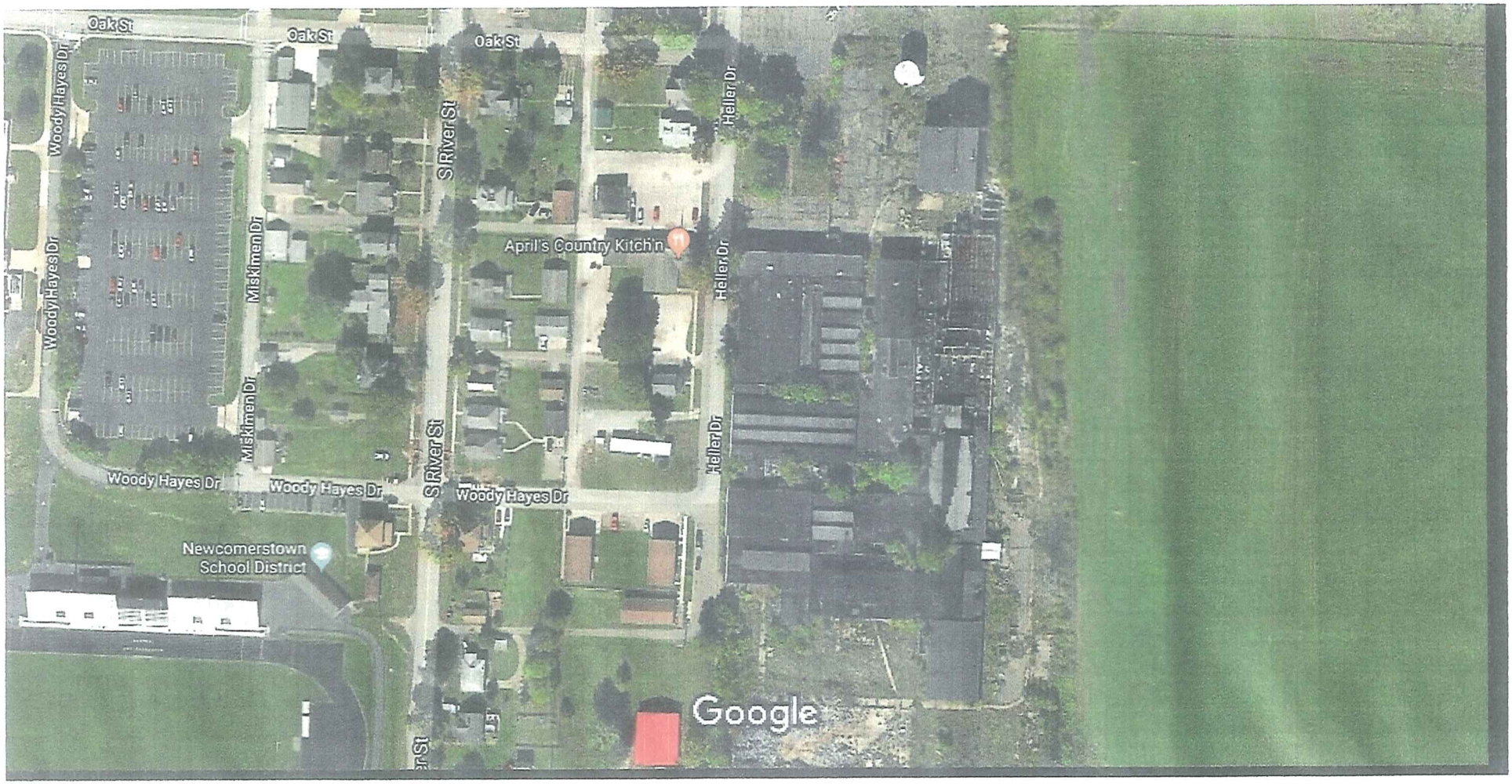
DATE	DESCRIPTION
2-20-10	BID SET

PROJECT #: 2020-2
DRAWN BY: DDJ
CHK'D BY: ESA + PC
SCALE: 1" = 30'-0"

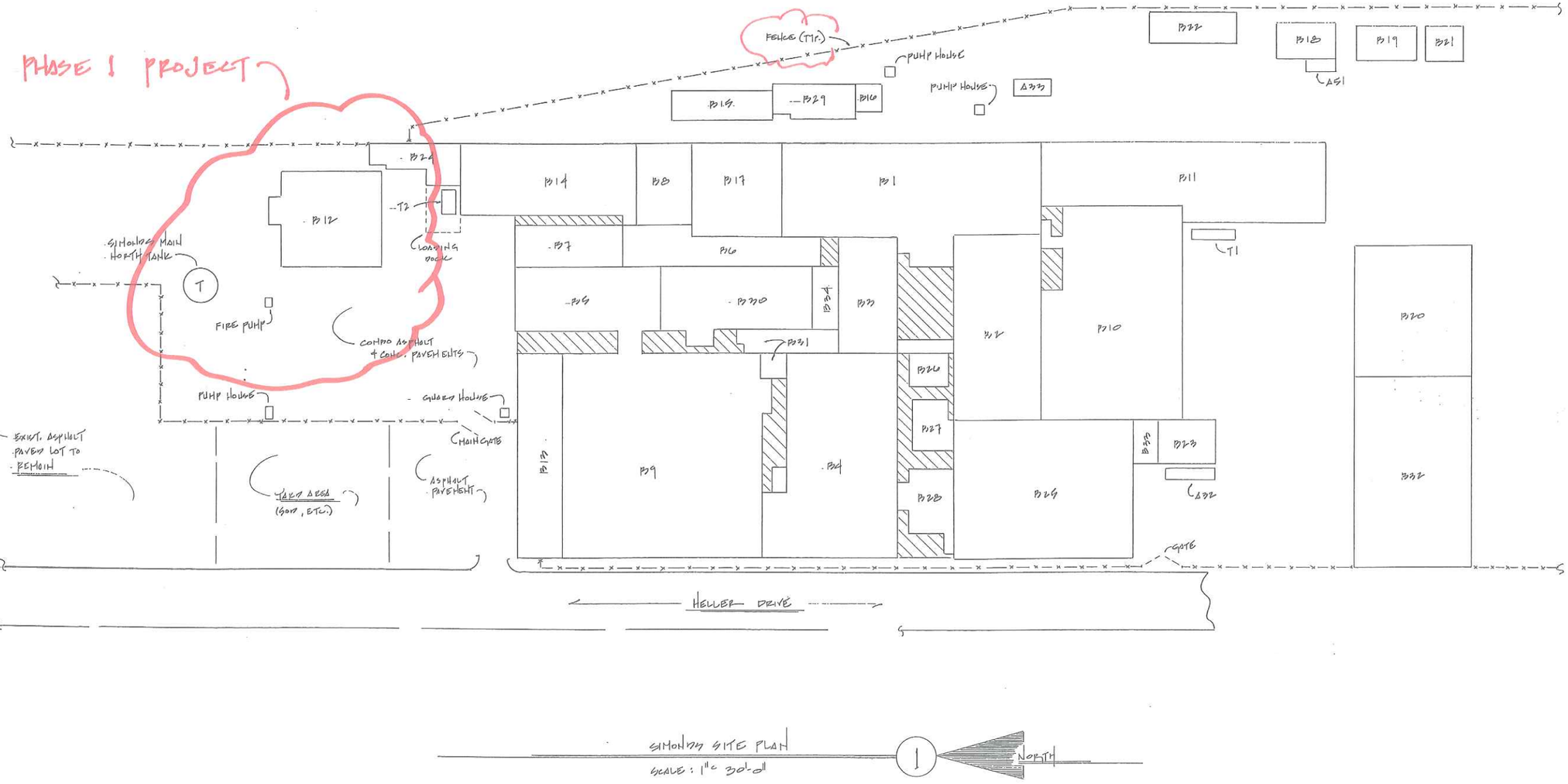
JOB TITLE:
THE SIMONDS SITE / PROPERTY
641 HELLER DRIVE
NEWCOMERSTOWN, OHIO 43832
SITE PLAN FOR PHASED PROJECTS
SCOPES OF WORK

SHEET NUMBER:
HCT.5-SP1
#2020-2

Google Maps



Imagery ©2020 Maxar Technologies, State of Ohio / OSIP, USDA Farm Service Agency, Map data ©2020 100 ft



SIMONDS SITE PLAN

SCALE: 1" = 30'-0"

NORTH

CONSULTANTS

S2F CORP. START TO FINISH SERVICES

DATE	DESCRIPTION
1-20-20	BID SET

PROJECT #: 2020-2
DRAWN BY: PBW
CHK'D BY: EAS & PC
SCALE: 1" = 30'-0"

JOB TITLE:

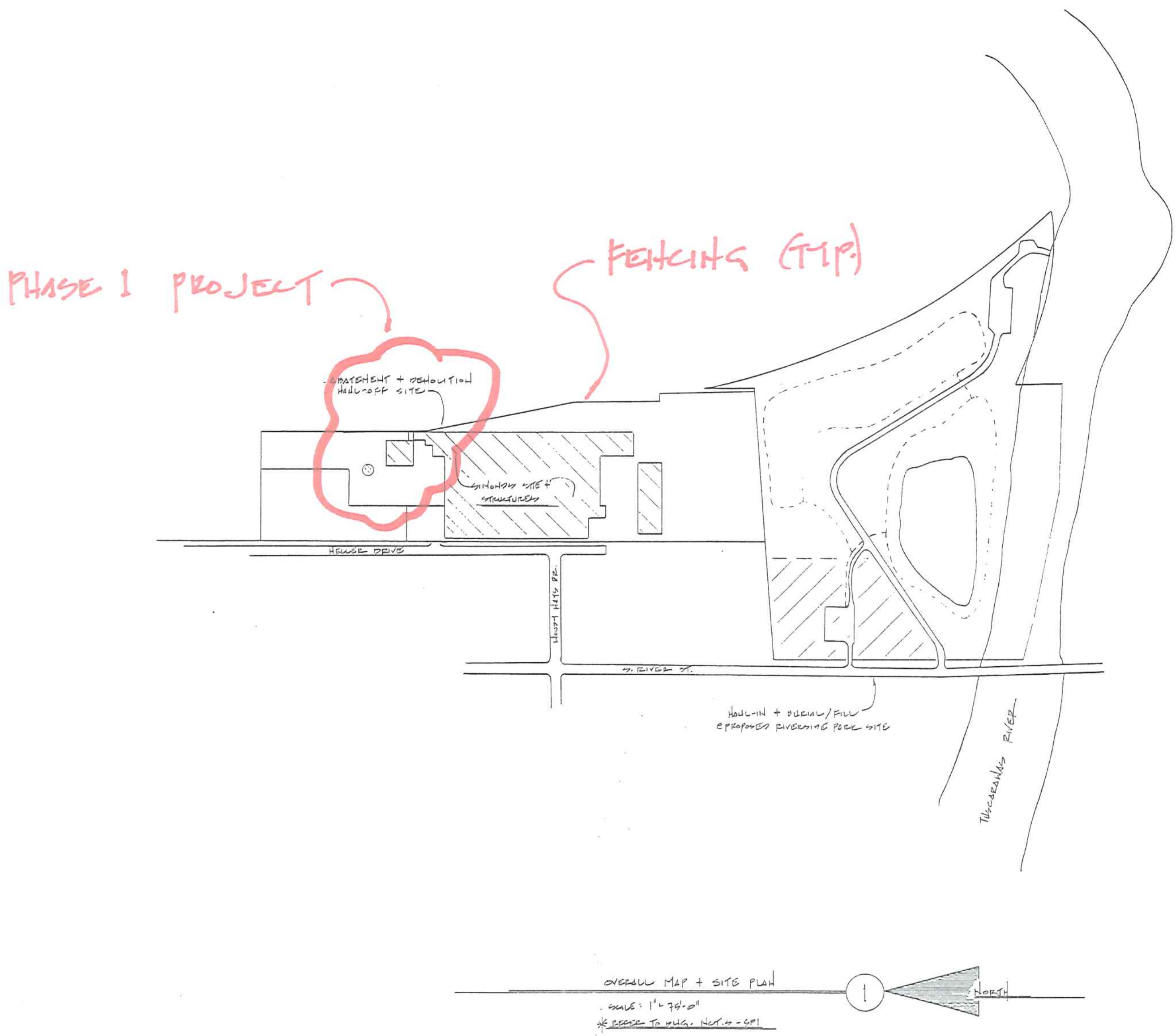
THE SIMONDS SITE / PROPERTY
641 HELLER DRIVE
HEIGHTSTOWN, OHIO 43832

SITE PLAN FOR PLANNED PROJECTS
SUBMITTED TO PLANNING BOARD

SHEET NUMBER:

HCT.5-SP1
#2020-2

ATTACHMENT B



CONSULTANTS

S2F CORP.
START TO FINISH SERVICES

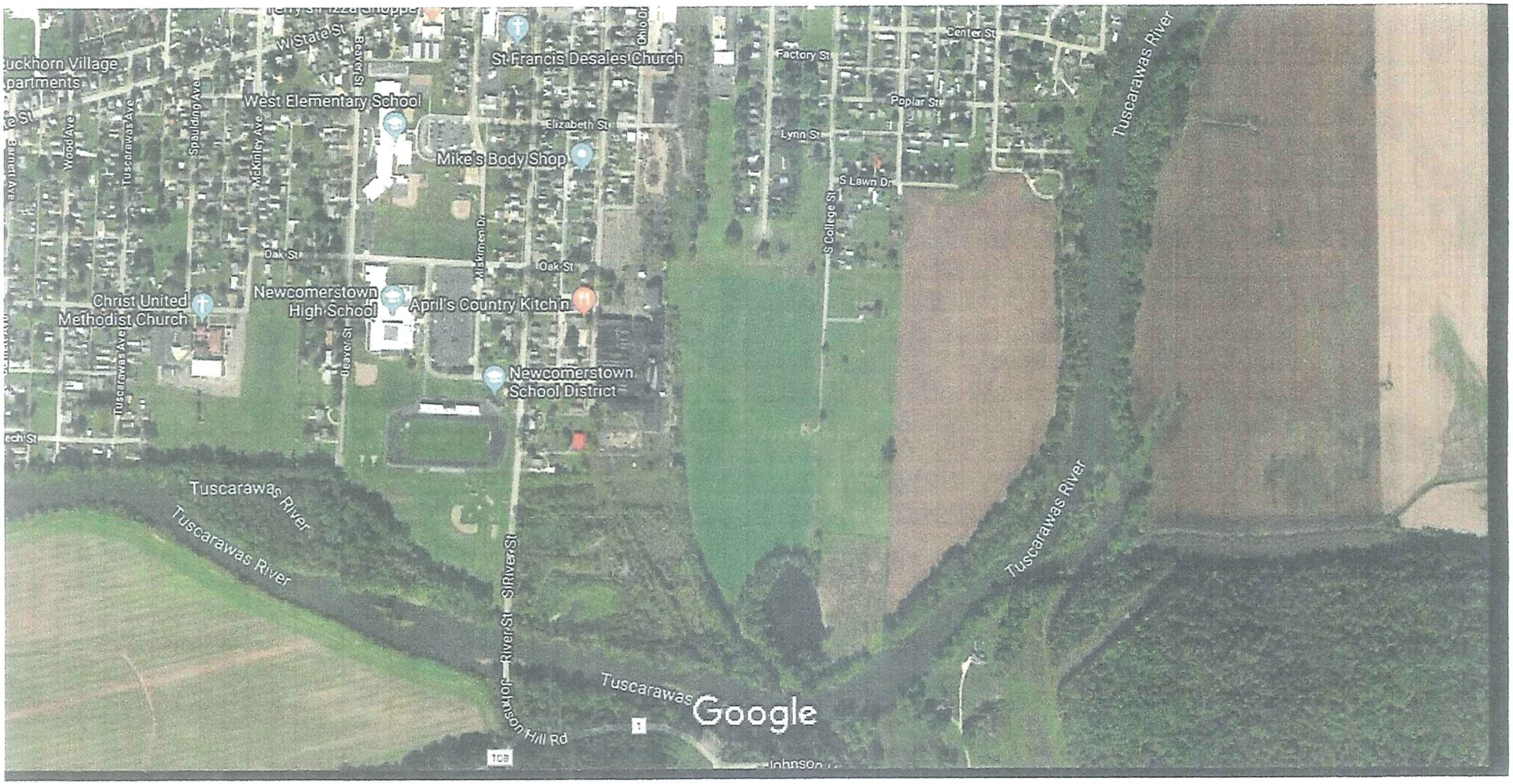
DATE	DESCRIPTION
2-20-20	BID SET

PROJECT #: 2020-2
DRAWN BY: DGH
CHK'D BY: EGS + PC
SCALE: 1" = 75'-0"

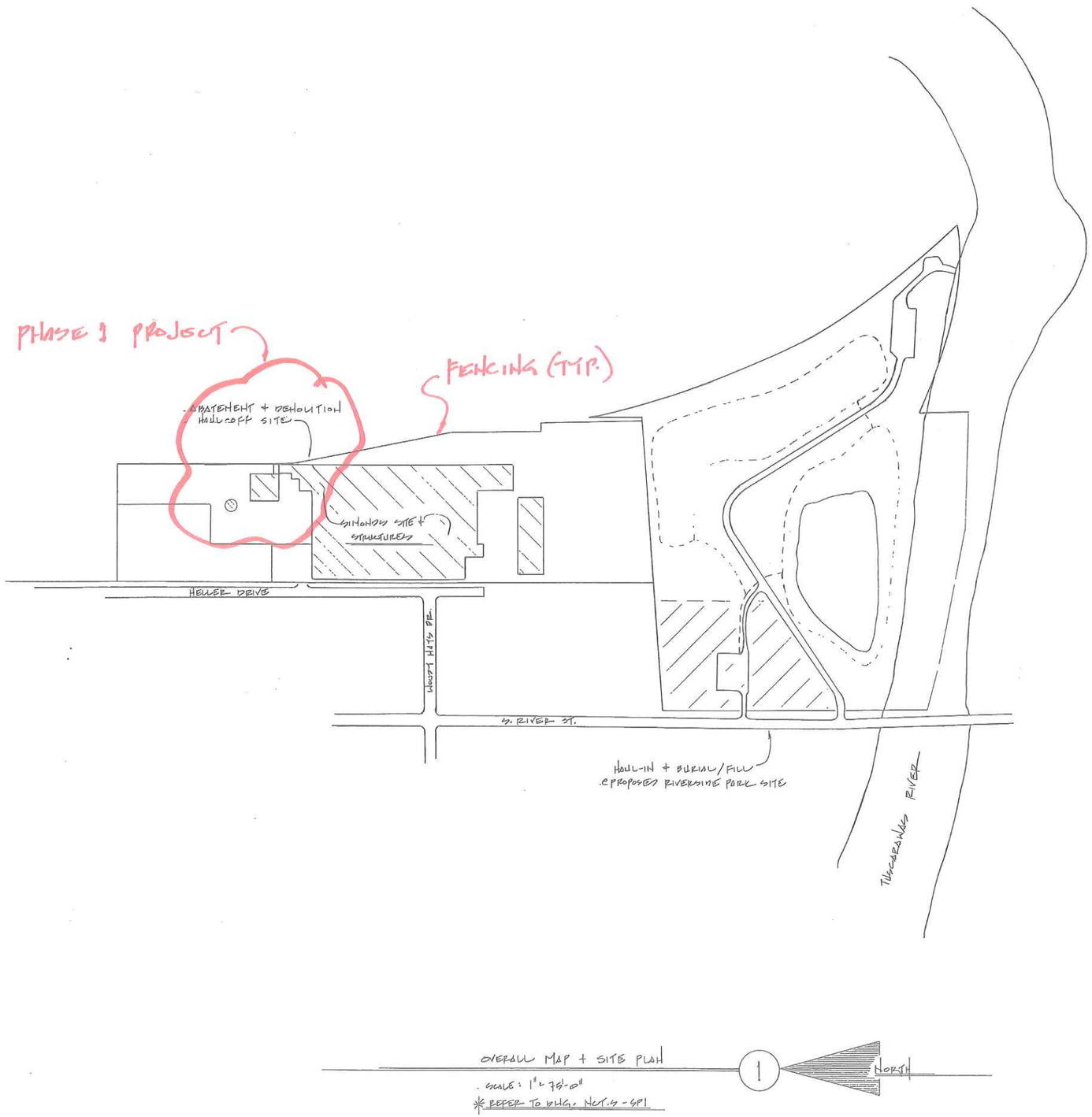
JOB TITLE:
SIMONDS + PROPOSED RIVERSIDE PARK
HELLER DR. + S. RIVER ST.
NEWCOMERSTOWN, OHIO 43832
OVERALL MAP + SITE PLAN FOR PHASED PROJECTS SCOPES OF WORK

SHEET NUMBER:
NCT.5-SP2
#2020-2

Google Maps



Imagery ©2020 Maxar Technologies, State of Ohio / OSIP, USDA Farm Service Agency, Map data ©2020 500 ft



DRAWINGS MAY NOT BE REPRODUCED WITHOUT CONSENT FROM S2F CORP.

CONSULTANTS

S2F CORP. START TO FINISH SERVICES

DATE	DESCRIPTION
2-26-20	BID SET

PROJECT. #: 2020-2
DRAWN BY: CBH
CHK'D BY: ESA & RC
SCALE: 1" = 75'-0"

JOB TITLE:

DEMOLITION & PROPOSED RIVERSIDE PARK
HELLER DR. & S. RIVER ST.
HOLMES DESCRIPTION, OHIO 44622
OVERALL MAP & SITE PLAN FOR PROPOSED PROJECTS SCOPES OF WORK

SHEET NUMBER:

NO. C.S - GP2
#2020-2

ATTACHMENT C

AUGUST 5, 20

THE SIMONDS SITE ABATEMENT & DEMOLITION OF BLDG. B12 AND ADJACENT SITE DEBRIS PHASE I PROJECT ESTIMATED/PROPOSED PROJECT BAR CHART SCHEDULE TIMELINES @ 641 HELLER DRIVE, NEWCOMERSTOWN, OHIO 43832

DATE	WEEKS 1	2	3	4	5	6	7	8	9	10	11	12	13
BID/PHASE I PROJECT SCOPES	← PHASE I PROJECT COMMENCEMENT DATE: (MID/END OF SEPTEMBER 2020)												
	REPAIR/REPLACE PERIMETER FENCING TO SECURE THE SITE			MAINTAIN THE FENCE FOR THE DURATION OF THE PROJECT →									
		RACM/CONTAMINATED MTRLS. ABATEMENT & REMOVALS											
					COMPLETE DEMOLITION OF BLDG. B12 TO 30" BELOW FIN. GRADE								
								BLDG. & SITE DEBRIS BACKFILLING, HARD FILL MTRLS. & REQ'D. REMOVALS					
											FINAL SITE CLEAN-UP & RESTORE/SEEDING		
NOTES	PHASE I PROJECT BID DOCUMENTS COMPLETED & OUT TO BID AUGUST 5, 2020 / BID OPENING AUGUST 26, 2020 @ 2:00 PM @ NCT ADMIN. BLDG. / AWARD OF PROJECT FROM BID: T.B.D. / NOTICE TO PROCEED/COMMENCE: MID/END OF SEPT. 2020												

THE SIMONDS SITE ABATEMENT & DEMOLITION OF BLDG. B12 & ADJACENT SITE DEBRIS PHASE I PROJECT BAR CHART SCHEDULE TIMELINES NCT OHIO

AUGUST 5, 2020

THE SIMONDS SITE ABATEMENT & DEMOLITION OF BLDG. B12 AND ADJACENT SITE DEBRIS PHASE I PROJECT
ESTIMATED/PROPOSED PROJECT BAR CHART SCHEDULE TIMELINES
@ 641 HELLER DRIVE, HEWGHERSTOWN, OHIO 43832

DATE	WEEKS 1	2	3	4	5	6	7	8	9	10	11	12	13
BID/PHASE I PROJECT SCOPED	← PHASE I PROJECT COMMENCEMENT DATE: (MID/END of SEPTEMBER 2020)												
	REPAIR/REPLACE PERIMETER FENCING, TO SECURE THE SITE		MAINTAIN THE FENCE FOR THE DURATION OF THE PROJECT →										
		RACM/CONTAMINATED MTRLS. ABATEMENT & REMOVALS											
					COMPLETE DEMOLITION of BLDG. B12 TO 30" BELOW FIN. GRADE								
							BLDG. & SITE DEBRIS BACKFILLING, HARD FILL MTRLS. & REQ'D. REMOVALS						
											FINAL SITE CLEAN-UP & RESTORE/SEEDING		
NOTES	PHASE I PROJECT BID DOCUMENTS COMPLETED & OUT TO BID AUGUST 5, 2020 / BID OPENING AUGUST 26, 2020 @ 2:00 PM @ HOT SOMIN. BLDG. / AWARD OF PROJECT FROM BID: T.B.D. / NOTICE TO PROCEED/COMMENCE: MID/END of SEPT. 2020												

THE SIMONDS SITE ABATEMENT & DEMOLITION OF BLDG. B12 & ADJACENT SITE DEBRIS PHASE I PROJECT BAR CHART SCHEDULE TIMELINES HOT, OHIO

ATTACHMENT D

EA GROUP

Environmental Analysis
and Management

September 29, 2018

Ms. Jody Kaufman
Brownfield Restoration Group
1000 South Cleveland-Massillon Road, Suite 106
Akron, Ohio 44333

RE: **Pre-Demolition Hazardous Materials Assessment**
Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio 43832
OH42143

Description of Work

EA Group, Mentor, Ohio was contracted by Brownfield Restoration Group to conduct a pre-demolition hazardous materials assessment of the Simonds Cutting Tools complex at 641 Heller Drive in Newcomerstown, Ohio. The assessment activities included a survey for asbestos-containing materials (ACMs); an inventory of non-incandescent lighting, other "universal waste" materials, and refrigerant sources; representative sampling of various painted and unpainted building components that would become "demolition debris" for waste characterization purposes (toxicity characteristic leaching procedure [TCLP]) for lead; sampling of materials that could contain polychlorinated biphenyls (PCBs); and sampling of wood plank flooring for TCLP hazardous waste characterization. This report provides the results of the pre-demolition hazardous materials assessment.

Surveying and sampling activities were performed by EA Group representatives Mike Kovell and Craig Brown during the period of September 10 to 17, 2018.

Asbestos Survey

EA Group's licensed Asbestos Hazard Evaluation Specialists Mike Kovell, ES34424, and Craig Brown, ES35176, inspected the buildings, developed a sampling strategy, and procured bulk samples of suspect ACM during the period of September 10 to 17, 2018. Homogeneous Groups of suspect ACM are identified on the *Asbestos Inspection Data Sheet* forms in Appendix A. Classification of the positively identified ACM has been made per National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations, with notations for compliance with Occupational Safety and Health Administration (OSHA) regulations where applicable. Room/area designations and sampling locations for the survey are provided on the attached floor plans in Appendix B.

Objective and Limitations of the Inspection

The objective of this survey was to identify and sample suspect ACM associated with the Simonds Cutting Tools complex at 641 Heller Drive in Newcomerstown, Ohio, pursuant to NESHAP and OSHA regulations.

7118 Industrial Park Boulevard • Mentor, Ohio 44060-5314
440-951-3514 • 800-875-3514 • Fax: 440-951-3774 • www.eagroupohio.com

Portions of the building have sustained extensive fire damage, including buildings designated at B-06, B-08, B-14, B-17, and B-24. Due to the fire damage, as well as the general condition of many other portions of the complex due to age and vandalism, costs associated with accessing and removing identified ACM, including contaminated debris and debris piles, are best estimated by asbestos abatement contractors following a walkthrough of the complex. Cost estimates provided in Table 2 should only be used as a starting point to develop actual costs to address ACM.

It is unknown whether sub-slab vapor barriers or waterproofing (Group EZ) exists. Their presence or absence will need to be determined at the time of demolition, and, if present and determined to be ACM, could significantly affect costs for removal. In the limited number of exposed areas none was identified, but this should not be an indication that they do not exist.

GENERAL LIMITATIONS

1. EA Group cannot guarantee that all ACM has been identified by this assessment. Portions of the complex have sustained extensive fire damage, and debris due to deterioration and vandalism is present in many areas.
2. Additional asbestos materials, not previously identified or quantified, are frequently encountered during renovation or demolition.
3. Actual quantities of asbestos material may vary from any estimates provided in EA Group's report due to identification of additional materials and difficulties in quantifying hidden or inaccessible materials.
4. Prior to demolition or renovation of any structure or equipment, suspect materials that were previously inaccessible or excluded from sampling should be sampled and analyzed for asbestos.

Asbestos Analysis

The bulk samples were analyzed by polarized light microscopy for asbestos content at or through the Laboratory Division of EA Group, which is accredited by the National Institute of Standards and Technology – National Voluntary Laboratory Accreditation Program. The United States Environmental Protection Agency requires all materials containing greater than one percent asbestos by weight to be considered asbestos-containing materials. Composite or layered analyses were performed, depending on the nature of the material, with additional analysis (point-counting) if an initial analysis indicated less than 10% asbestos. In all cases where at least one sample from a Group

was determined to be ACM, the Group as a whole is considered ACM regardless of the results for any other samples from that Group. Analytical results are provided in Appendix C.

Results of Asbestos Analysis

A total of 132 homogeneous material groups were identified for sampling, with a total of 338 bulk samples being collected and analyzed from 131 of these groups. The remaining group consists of sub-slab vapor barriers/waterproofing, which may or may not be present but would not be revealed until such time demolition proceeds. This material is considered assumed ACM, and if present and determined to be ACM, abatement costs could increase significantly. The materials that were sampled as suspect and were determined to contain regulated amounts of asbestos are identified in Table 1, which also includes materials determined to be non-ACM or assumed ACM.

Estimated removal costs for the identified ACMs, based on currently known or estimated quantities and assuming all materials will be removed, are provided in Table 2, attached. However, due to the type and level of damage and vandalism in some areas, actual abatement costs could vary significantly from those presented. In the case of window systems which have ACM glazing, specific cost estimates cannot be provided without input from asbestos abatement contractors. Similarly, cost estimates for addressing sub-slab vapor barriers/waterproofing, if present and identified as ACM, are wholly site specific and cost estimates cannot be provided.

Any activities that involve the handling or disturbance of ACM should be carried out by a licensed abatement contractor or other appropriately trained personnel in accordance with all applicable regulations.

Non-Incandescent Lighting and "Universal Waste" Materials

The Simonds Cutting Tools complex was inspected for non-incandescent lighting that should be addressed prior to or during demolition activities. Approximately 86 eight-foot lamps, 614 four-foot lamps, and 21 high intensity discharge (HID) lamps with an estimated total of 388 ballasts presumed to contain polychlorinated biphenyls (PCBs), were noted.

If the fixtures cannot be reused, they should all be sent for reclamation rather than for disposal. Disposal may require hazardous waste characterization of the lamps due to their likely mercury content. If certain concentrations of mercury are exceeded, disposal would be strictly regulated. Reclamation is generally less expensive and relieves the owner of many of the strict disposal testing and other requirements [see http://www.epa.state.oh.us/dhwm/pdf/comp.lamp.ballast.list.pdf for a listing of reclamation facilities]. The cost for reclamation of the lamps is estimated to be on the order of

$1,000, including transport. Any ballast that is labeled non-PCB could be disposed of as normal waste, but reclamation is encouraged. The cost for reclamation of the ballasts is estimated to be $2,000, depending on how many are actually PCB-containing. Additional fees may apply for labor associated with handling of these items.

A total of four exit signs and three emergency lighting units were noted. These typically have lead-containing rechargeable batteries [gel cells, sealed lead-acid] and, if to be removed, they should be provided for reclamation [see http://epawebapps.epa.state.oh.us/Recyclers/jsp/results.jsp?category=5 for a listing of reclamation facilities].

Two mercury-containing switches and 15 mercury-containing thermostats were identified and would need to be provided for recycling [a listing of facilities is provided at http://epawebapps.epa.state.oh.us/Recyclers/jsp/results.jsp?category=13].

Regulated Refrigerants Inventory

A total of four rooftop air conditioning units were associated with B-09 and B-13. In some cases, the units had been cut open and vandalized, and may no longer contain refrigerant. In addition, one window air conditioner was identified in B-27, and a pad-mounted air conditioning unit is located outside B-09 along Heller Drive. All these items may contain regulated chlorofluorocarbons (CFCs). CFC-containing equipment disposal would require special handling (extraction of CFCs) [see http://epawebapps.epa.state.oh.us/Recyclers/jsp/search.jsp for refrigerant reclaimers and handlers].

Characterization of "Demolition Debris"

Representative subsamples of various painted and unpainted building components that would become "demolition debris" were secured and used to form 13 composite samples, as detailed in Table 3, attached. The samples were delivered to and analyzed by the Laboratory Division of EA Group according to toxicity characteristic leaching procedure (TCLP) protocol for lead. The results of the analyses are summarized in Table 3 and detailed in the laboratory report in Appendix C.

As shown in Table 3, two of the 13 samples contained a detectable concentration of TCLP lead, both at concentrations below that which would define the waste as hazardous. Based on the results, the "demolition debris-type" materials would not be considered to exhibit the characteristic of a hazardous waste due to lead toxicity.

Sampling and Analysis for Polychlorinated Biphenyls (PCBs)"

Galbestos corrugated siding that could contain PCBs was identified on B-02 and B-12. Samples of the siding were secured and analyzed by EA Group in accordance with EPA Method SW846-8082A. The sources and results are provided in Table 4. As indicated in Table 4 and the associated laboratory analytical data report in Appendix C, none of the samples secured contained detectable concentrations of PCB.

Hazardous Waste Characterization

Wood plank flooring was identified in B-03, B-10 and B-25. Samples of the flooring were secured to determine if it would need to be handled as hazardous waste. Samples were analyzed for TCLP metals, TCLP volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCs), and total PCBs in accordance with analytical methods indicated in the laboratory analytical data report in Appendix C. The sources and results are provided in Table 5. As indicated in Table 5 and the associated laboratory analytical data report in Appendix C, none of the concentrations of TCLP metals, VOCs or SVOCs exceeded those which would define the wood planking as hazardous waste. Only one of the three samples contained a detectable concentration of PCBs, at a concentration less than 50 milligrams per kilogram (mg/kg).

If you have any questions or concerns regarding the above information, please contact the undersigned. Thank you for consulting EA Group.

Sincerely,

EA Group

Timothy S. Bowen,
Vice President/Technical Director

Mike Kovell,
ES34424

Craig Brown,
ES35176

Table 1 Summary of Results - Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Group	ID # OH42143	MATERIAL DESCRIPTION	Material Type	RESULT
A	01	Galbestos Corrugated Siding	M/NF1	[+]
A	02	Galbestos Corrugated Siding	M/NF1	([+])
B	03	Transite Panel; Electrical Panel	M/NF2	[+]
B	04	Transite Panel; Electrical Panel	M/NF2	([+])
C	05	Sealant on Fiberglass Pipe Insulation	T	0
C	06	Sealant on Fiberglass Pipe Insulation	T	0
C	07	Sealant on Fiberglass Pipe Insulation	T	0
D	08	Electrical Panel Paper	M	[+]
D	09	Electrical Panel Paper	M	([+])
E	10	Hard Fitting on Fiberglass Line	T	0
E	11	Hard Fitting on Fiberglass Line	T	0
E	12	Hard Fitting on Fiberglass Line	T	0
F	13	Boiler Gasket	M	0
F	14	Boiler Gasket	M	0
G	15	Boiler End of Tank Insulation (Front of Tank)	T	0
G	16	Boiler End of Tank Insulation (Front of Tank)	T	0
G	17	Boiler End of Tank Insulation (Front of Tank)	T	0
H	18	Boiler End of Tank Insulation (Back of Tank)	T	0
H	19	Boiler End of Tank Insulation (Back of Tank)	T	0
H	20	Boiler End of Tank Insulation (Back of Tank)	T	0
I	21	Insulation Debris (In Drum)	T	0
I	22	Insulation Debris (In Drum)	T	0
I	23	Insulation Debris (In Drum)	T	0
J	24	Boiler Packing	T	0
J	25	Boiler Packing	T	0
J	26	Boiler Packing	T	0
K	27	Window Glazing	M/NF2	0
K	28	Window Glazing	M/NF2	[+],B
L	29	Plaster; Ceiling	M/NF2	0
L	30	Plaster; Ceiling	M/NF2	0
L	31	Plaster; Ceiling	M/NF2	0
L	32	Plaster; Ceiling	M/NF2	0
L	33	Plaster; Ceiling	M/NF2	0
M	34	Plaster; Wall	M/NF2	0
M	35	Plaster; Wall	M/NF2	0
M	36	Plaster; Wall	M/NF2	0
M	37	Plaster; Wall	M/NF2	0
M	38	Plaster; Wall	M/NF2	0
M	39	Plaster; Wall	M/NF2	0
M	40	Plaster; Wall	M/NF2	0
N	41	2'x4' Ceiling Panel; Fissure, Pinhole	M	0
N	42	2'x4' Ceiling Panel; Fissure, Pinhole	M	0
O	43	1'x1' Ceiling Tile & mastic; Patterned Hole	M	0
O	44	1'x1' Ceiling Tile & mastic; Patterned Hole	M	0

Table 1 Summary of Results - Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Group	ID # OH42143	MATERIAL DESCRIPTION	Material Type	RESULT
P	45	2'x2' Ceiling Panel; Recessed, Fissure, Pinhole	M	0
P	46	2'x2' Ceiling Panel; Recessed, Fissure, Pinhole	M	0
Q	47	Drywall System #1	M/NF2	[+],B
Q	48	Drywall System #1	M/NF2	0*
R	49	4" Cove Base & mastic; Black	M/NF1	0[1]
R	50	4" Cove Base & mastic; Black	M/NF1	0
S	51	9"x9" Floor Tile & mastic; Gray	M/NF1	[+][FT]
S	52	9"x9" Floor Tile & mastic; Gray	M/NF1	0*
T	53	Carpet Mastic, Yellow	M/NF1	0
T	54	Carpet Mastic, Yellow	M/NF1	0
U	55	1'x1' Ceiling Tile & mastic; Lg & Med Pinhole	M	[+][M]
U	56	1'x1' Ceiling Tile & mastic; Lg & Med Pinhole	M	0*
V	57	Wood Paneling Mastic, Black	M/NF1	0
V	58	Wood Paneling Mastic, Black	M/NF1	0
W	59	Wood Paneling Mastic, Beige	M/NF1	0
W	60	Wood Paneling Mastic, Beige	M/NF1	0
X	61	1'x1' Ceiling Tile; Decorative & Pin Spline	M	0
X	62	1'x1' Ceiling Tile; Decorative & Pin Spline	M	0
Y	63	Unfinished Gypsum; Brown	M/NF2	0
Y	64	Unfinished Gypsum; Brown	M/NF2	0
Z	65	4" Cove Base & mastic; Brown	M/NF1	0
Z	66	4" Cove Base & mastic; Brown	M/NF1	0
AA	67	Drywall System #2	M/NF2	0
AA	68	Drywall System #2	M/NF2	0
AB	69	9"x9" Floor Tile & mastic; Brown	M/NF1	[+],B
AB	70	9"x9" Floor Tile & mastic; Brown	M/NF1	([+])
AC	71	Vinyl Covered Gypsum Pre-Fab Wall	M/NF2	0
AC	72	Vinyl Covered Gypsum Pre-Fab Wall	M/NF2	0
AD	73	1'x1' Ceiling Tile & mastic; Pitted	M	0
AD	74	1'x1' Ceiling Tile & mastic; Pitted	M	0
AE	75	12"x12" Floor Tile & mastic; Beige	M/NF1	0[2]
AE	76	12"x12" Floor Tile & mastic; Beige	M/NF1	0
AF	77	Stair Tread & mastic; Brown	M/NF1	[+][FT]
AF	78	Stair Tread & mastic; Brown	M/NF1	([+])
AG	79	Drywall System #3	M/NF2	0
AG	80	Drywall System #3	M/NF2	0
AH	81	2'x2' Ceiling Panel; Recessed, Heavy Texture	M	0
AH	82	2'x2' Ceiling Panel; Recessed, Heavy Texture	M	0
AI	83	12"x12" Floor Tile & mastic; Beige w/ brown	M/NF1	[+][M]
AI	84	12"x12" Floor Tile & mastic; Beige w/ brown	M/NF1	([+])
AJ	85	Ceramic Tile Mastic	M/NF1	0
AJ	86	Ceramic Tile Mastic	M/NF1	0
AK	87	Drywall System #4	M/NF2	0
AK	88	Drywall System #4	M/NF2	0

Table 1 Summary of Results - Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Group	ID # OH42143	MATERIAL DESCRIPTION	Material Type	RESULT
AL	89	Fiberboard #1	M	0
AL	90	Fiberboard #1	M	0
AM	91	Drywall System #5	M/NF2	0
AM	92	Drywall System #5	M/NF2	0
AN	93	12"x12" Floor Tile & mastic; Beige	M/NF1	0
AN	94	12"x12" Floor Tile & mastic; Beige	M/NF1	0
AO	95	MAG Pipe Insulation	T	[+]
AO	96	MAG Pipe Insulation	T	([+])
AO	97	MAG Pipe Insulation	T	([+])
AP	98	12"x12" Floor Tile & mastic; Orange w/ brown	M/NF1	0
AP	99	12"x12" Floor Tile & mastic; Orange w/ brown	M/NF1	0
AQ	100	Hard Fitting on Fiberglass Line	T	0
AQ	101	Hard Fitting on Fiberglass Line	T	0
AQ	102	Hard Fitting on Fiberglass Line	T	0
AR	103	Window Glazing; Metal Frame	M/NF2	[+],B
AR	104	Window Glazing; Metal Frame	M/NF2	([+])
AS	105	Window Glazing; Sawtooth Roof Windows	M/NF2	[+],B
AS	106	Window Glazing; Sawtooth Roof Windows	M/NF2	([+])
AT	107	Drywall System; Ceiling w/ swirl pattern	M/NF2	0
AT	108	Drywall System; Ceiling w/ swirl pattern	M/NF2	0
AT	109	Drywall System; Ceiling w/ swirl pattern	M/NF2	0
AU	110	Drywall System #6	M/NF2	0
AU	111	Drywall System #6	M/NF2	0
AV	112	Fiberboard #2	M	0
AV	113	Fiberboard #2	M	0
AW	114	9"x9" Floor Tile & mastic; Green	M/NF1	[+]
AW	115	9"x9" Floor Tile & mastic; Green	M/NF1	([+])
AX	116	Window Glazing; Guard House	M/NF2	[+],B
AX	117	Window Glazing; Guard House	M/NF2	([+])
AY	118	Built-Up Roofing; Guard House	M/NF1	[+],B
AY	119	Built-Up Roofing; Guard House	M/NF1	([+])
AZ	120	Roof Flashing; Guard House	M/NF1	[+],B
AZ	121	Roof Flashing; Guard House	M/NF1	[+],B
BA	122	Paper Pipe Insulation	T	[+],B
BA	123	Paper Pipe Insulation	T	([+])
BA	124	Paper Pipe Insulation	T	([+])
BB	125	2'x4' Ceiling Panel; Vinyl Covered Gypsum	M	0
BB	126	2'x4' Ceiling Panel; Vinyl Covered Gypsum	M	0
BC	127	Incinerator Fire Brick	M/NF1	0
BC	128	Incinerator Fire Brick	M/NF1	0
BD	129	Asphalt Siding w/ Felt Paper	M/NF1	[+]
BD	130	Asphalt Siding w/ Felt Paper	M/NF1	0*
BE	131	Window Glazing (B05 & B07)	M/NF2	0
BE	132	Window Glazing (B05 & B07)	M/NF2	[+],B

Table 1 Summary of Results - Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Group	ID # OH42143	MATERIAL DESCRIPTION	Material Type	RESULT
BF	133	Floor Leveler & Coating	M/NF1	0
BF	134	Floor Leveler & Coating	M/NF1	0
BG	135	Window Glazing (B14 & B24)	M/NF2	[+],B
BG	136	Window Glazing (B14 & B24)	M/NF2	[+],B
BH	137	Roofing Debris (B14)	M/NF1	[+]
BH	138	Roofing Debris (B14)	M/NF1	[+]
BI	139	Roofing Debris (B24)	M/NF1	[+]
BI	140	Roofing Debris (B24)	M/NF1	[+],B
BJ	141	Roofing Debris (B15/B29/B16)	M/NF1	0
BJ	142	Roofing Debris (B15/B29/B16)	M/NF1	0
BK	143	Plaster; Wall (B06)	M/NF2	0,B
BK	144	Plaster; Wall (B06)	M/NF2	0,B
BK	145	Plaster; Wall (B06)	M/NF2	0,B
BL	146	Roofing Debris (B06)	M/NF1	0
BL	147	Roofing Debris (B06)	M/NF1	0
BM	148	Window Glazing (B06)	M/NF2	0
BM	149	Window Glazing (B06)	M/NF2	0
BN	150	Roofing Debris (B08)	M/NF1	0
BN	151	Roofing Debris (B08)	M/NF1	[+]
BO	152	Window Glazing (B08)	M/NF2	0
BO	153	Window Glazing (B08)	M/NF2	0
BP	154	Roofing Debris (B17)	M/NF1	[+],B
BP	155	Roofing Debris (B17)	M/NF1	[+]
BQ	156	Plaster Wall (B17)	M/NF2	0,B
BQ	157	Plaster Wall (B17)	M/NF2	0,B
BQ	158	Plaster Wall (B17)	M/NF2	0,B
BR	159	Window Glazing (B17)	M/NF2	[+],B
BR	160	Window Glazing (B17)	M/NF2	[+],B
BS	161	Aircell Pipe Insulation	T	[+]
BS	162	Aircell Pipe Insulation	T	([+])
BS	163	Aircell Pipe Insulation	T	([+])
BT	164	Window Glazing; Metal Frame (B01)	M/NF2	[+],B
BT	165	Window Glazing; Metal Frame (B01)	M/NF2	([+])
BU	166	Window Glazing; Wood Frame (B01)	M/NF2	[+],B
BU	167	Window Glazing; Wood Frame (B01)	M/NF2	([+])
BV	168	Roofing; Asphalt (B01)	M/NF1	[+]
BV	169	Roofing; Asphalt (B01)	M/NF1	0*
BW	170	Built-Up Roofing; (B01)	M/NF1	[+]
BW	171	Built-Up Roofing; (B01)	M/NF1	0*
BX	172	Window Glazing (B30)	M/NF2	0
BX	173	Window Glazing (B30)	M/NF2	[+],B
BY	174	Roofing; Asphalt (B30)	M/NF1	0
BY	175	Roofing; Asphalt (B30)	M/NF1	0
BZ	176	Built-Up Roofing; (B31)	M/NF1	[+]
BZ	177	Built-Up Roofing; (B31)	M/NF1	0,B*

Table 1 Summary of Results - Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Group	ID # OH42143	MATERIAL DESCRIPTION	Material Type	RESULT
CA	178	Fiberboard #3	M	[+]
CA	179	Fiberboard #3	M	([+])
CB	180	Window Glazing (B31)	M/NF2	[+],B
CB	181	Window Glazing (B31)	M/NF2	[+],B
CC	182	Window Glazing (B03)	M/NF2	[+],B
CC	183	Window Glazing (B03)	M/NF2	([+])
CD	184	Window Glazing (B04)	M/NF2	[+],B
CD	185	Window Glazing (B04)	M/NF2	([+])
CE	186	Window Glazing; Sawtooth Roof Windows (B04)	M/NF2	[+],B
CE	187	Window Glazing; Sawtooth Roof Windows (B04)	M/NF2	([+])
CF	188	1'x1' Ceiling Tile & mastic; Patterned Hole #2	M	0
CF	189	1'x1' Ceiling Tile & mastic; Patterned Hole #2	M	0
CG	190	2'x2' Ceiling Panel; Recessed, Pitted, Pinhole	M	0
CG	191	2'x2' Ceiling Panel; Recessed, Pitted, Pinhole	M	0
CH	192	9"x9" Floor Tile & mastic; Red	M/NF1	[+],B
CH	193	9"x9" Floor Tile & mastic; Red	M/NF1	([+])
CI	194	Window Glazing; Wood Frame (B04)	M/NF2	0
CI	195	Window Glazing; Wood Frame (B04)	M/NF2	0
CJ	196	Unfinished Gypsum	M/NF2	0
CJ	197	Unfinished Gypsum	M/NF2	0
CK	198	Transite Panel	M/NF2	[+]
CK	199	Transite Panel	M/NF2	([+])
CL	200	Fiberboard #4	M	0
CL	201	Fiberboard #4	M	0
CM	202	1'x1' Ceiling Tile & mastic; Patterned Hole #3	M	0
CM	203	1'x1' Ceiling Tile & mastic; Patterned Hole #3	M	0
CN	204	Window Glazing; Metal Frame (B28 West)	M/NF2	[+]
CN	205	Window Glazing; Metal Frame (B28 West)	M/NF2	([+])
CO	206	Window Glazing; Wood Frame (B28 West)	M/NF2	0,B
CO	207	Window Glazing; Wood Frame (B28 West)	M/NF2	[+],B
CP	208	Window Glazing; Metal Frame (B28 East)	M/NF2	[+],B
CP	209	Window Glazing; Metal Frame (B28 East)	M/NF2	([+])
CQ	210	Window Glazing; Wood Frame (B28 East)	M/NF2	[+],B
CQ	211	Window Glazing; Wood Frame (B28 East)	M/NF2	([+])
CR	212	Window Glazing (B27)	M/NF2	[+],B
CR	213	Window Glazing (B27)	M/NF2	([+])
CS	214	Built-Up Roofing (B27)	M/NF1	[+]
CS	215	Built-Up Roofing (B27)	M/NF1	[+],B
CT	216	Roofing Shingles w/Felt (B26)	M/NF1	[+],B
CT	217	Roofing Shingles w/Felt (B26)	M/NF1	0*
CU	218	Window Glazing (B26)	M/NF2	[+],B
CU	219	Window Glazing (B26)	M/NF2	([+])
CV	220	Packing Insulation	T	[+]
CV	221	Packing Insulation	T	[+]
CV	222	Packing Insulation	T	[+]

Table 1 Summary of Results - Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Group	ID # OH42143	MATERIAL DESCRIPTION	Material Type	RESULT
CW	223	Built-Up Roofing (B09 & B04)	M/NF1	[+],B
CW	224	Built-Up Roofing (B09 & B04)	M/NF1	0*
CX	225	Roof Flashing (B09)	M/NF1	[+]
CX	226	Roof Flashing (B09)	M/NF1	([+])
CY	227	Built-Up Roofing (B04)	M/NF1	[+]
CY	228	Built-Up Roofing (B04)	M/NF1	[+]
CZ	229	Roof Flashing (B04)	M/NF1	[+]
CZ	230	Roof Flashing (B04)	M/NF1	([+])
DA	231	Built-Up Roofing (B13)	M/NF1	0
DA	232	Built-Up Roofing (B13)	M/NF1	0
DB	233	Roof Flashing (B13)	M/NF1	[+]
DB	234	Roof Flashing (B13)	M/NF1	0*
DC	235	Felt Paper Wrap (over fiberglass)	T	[+]
DC	236	Felt Paper Wrap (over fiberglass)	T	0*
DC	237	Felt Paper Wrap (over fiberglass)	T	0*
DD	238	Window Glazing (B02)	M/NF2	0
DD	239	Window Glazing (B02)	M/NF2	[+],B
DE	240	Window Glazing (B10)	M/NF2	[+],B
DE	241	Window Glazing (B10)	M/NF2	([+])
DF	242	12"x12" Floor Tile & mastic; Stone Pattern & Red 12"x12" Floor	M/NF1	[+][M]
DF	243	12"x12" Floor Tile & mastic; Stone Pattern & Red 12"x12" Floor	M/NF1	([+])
DG	244	Asphalt Shingle w/ Felt Paper (B05)	M/NF1	0
DG	245	Asphalt Shingle w/ Felt Paper (B05)	M/NF1	0
DH	246	Unfinished Drywall	M/NF2	0
DH	247	Unfinished Drywall	M/NF2	0
DI	248	Built-Up Roofing (B11)	M/NF1	[+]
DI	249	Built-Up Roofing (B11)	M/NF1	([+])
DJ	250	Rolled Roofing, Arched (B11)	M/NF1	0
DJ	251	Rolled Roofing, Arched (B11)	M/NF1	[+],B
DK	252	Roof Flashing, Arched (B11)	M/NF1	[+],B
DK	253	Roof Flashing, Arched (B11)	M/NF1	([+])
DL	254	Fiberboard #5	M	0
DL	255	Fiberboard #5	M	0
DM	256	Window Glazing (B11)	M/NF2	[+],B
DM	257	Window Glazing (B11)	M/NF2	([+])
DN	258	Built-Up Roofing Debris Pile (B20)	M/NF1	0
DN	259	Built-Up Roofing Debris Pile (B20)	M/NF1	0
DO	260	Rolled Roofing, Asphalt w/ Silvercoat	M/NF1	[+]
DO	261	Rolled Roofing, Asphalt w/ Silvercoat	M/NF1	([+])
DP	262	Window Glazing (B23/B33)	M/NF2	[+],B
DP	263	Window Glazing (B23/B33)	M/NF2	([+])
DQ	264	Heavy Pipe Wrap	M	0
DQ	265	Heavy Pipe Wrap	M	0

Table 1 Summary of Results - Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Group	ID # OH42143	MATERIAL DESCRIPTION	Material Type	RESULT
DR	266	Hard Fitting on fiberglass line #2	T	0
DR	267	Hard Fitting on fiberglass line #2	T	0
DR	268	Hard Fitting on fiberglass line #2	T	0
DS	269	Window Glazing (B25)	M/NF2	0
DS	270	Window Glazing (B25)	M/NF2	[+],B
DT	271	Window Glazing; Reinforced glass (B25/B02)	M/NF2	[+],B
DT	272	Window Glazing; Reinforced glass (B25/B02)	M/NF2	([+])
DU	273	Built-Up Roofing #2 (B11)	M/NF1	[+]
DU	274	Built-Up Roofing #2 (B11)	M/NF1	([+])
DV	275	Roof Flashing, (B11) #2	M/NF1	0
DV	276	Roof Flashing, (B11) #2	M/NF1	0
DW	277	Built-Up Roofing #2 (B01)	M/NF1	0
DW	278	Built-Up Roofing #2 (B01)	M/NF1	0
DX	279	Roof Flashing, (B01) #2	M/NF1	[+],B
DX	280	Roof Flashing, (B01) #2	M/NF1	([+])
DY	281	Built-Up Roofing #2 (B10)	M/NF1	0
DY	282	Built-Up Roofing #2 (B10)	M/NF1	0
DZ	283	Roof Flashing, (B10)	M/NF1	0
DZ	284	Roof Flashing, (B10)	M/NF1	[+]
EA	285	Built-Up Roofing (B23/B33)	M/NF1	[+]
EA	286	Built-Up Roofing (B23/B33)	M/NF1	([+])
EB	287	Roof Flashing, (B23/B33)	M/NF1	0
EB	288	Roof Flashing, (B23/B33)	M/NF1	[+]
EC	289	Built-Up Roofing (B25)	M/NF1	[+]
EC	290	Built-Up Roofing (B25)	M/NF1	([+])
ED	291	Roof Flashing, (B25)	M/NF1	[+]
ED	292	Roof Flashing, (B25)	M/NF1	0*
EE	293	Built-Up Roofing #2 (B25)	M/NF1	[+],B
EE	294	Built-Up Roofing #2 (B25)	M/NF1	([+])
EF	295	Roof Flashing #2 (B25)	M/NF1	[+]
EF	296	Roof Flashing #2 (B25)	M/NF1	([+])
EG	297	Built-Up Roofing; Flat (B02)	M/NF1	0
EG	298	Built-Up Roofing; Flat (B02)	M/NF1	0
EH	299	Built-Up Roofing; Sawtooth (B02)	M/NF1	[+]
EH	300	Built-Up Roofing; Sawtooth (B02)	M/NF1	0*
EI	301	Roof Flashing; Sawtooth (B02)	M/NF1	[+]
EI	302	Roof Flashing; Sawtooth (B02)	M/NF1	([+])
EJ	303	Flashing; Flat (B02)	M/NF1	[+]
EJ	304	Flashing; Flat (B02)	M/NF1	([+])
EK	305	Transite Siding; Flat	M/NF2	[+]
EK	306	Transite Siding; Flat	M/NF2	([+])
EL	307	Built-Up Roofing (B03/B34)	M/NF1	[+]
EL	308	Built-Up Roofing (B03/B34)	M/NF1	0*
EM	309	Roof Flashing, (B03/B34)	M/NF1	[+]
EM	310	Roof Flashing, (B03/B34)	M/NF1	([+])

Table 1 Summary of Results - Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Group	ID # OH42143	MATERIAL DESCRIPTION	Material Type	RESULT
EN	311	Built-Up Roofing #1 (B30)	M/NF1	0
EN	312	Built-Up Roofing #1 (B30)	M/NF1	0
EO	313	Built-Up Roofing #2 (B30)	M/NF1	0
EO	314	Built-Up Roofing #2 (B30)	M/NF1	0
EP	315	Roof Flashing, (B30)	M/NF1	[+]
EP	316	Roof Flashing, (B30)	M/NF1	([+])
EQ	317	Roofing Shingles; Asphalt (B12)	M/NF1	0
EQ	318	Roofing Shingles; Asphalt (B12)	M/NF1	0
ER	319	Transite Siding; Corrugated	M/NF2	[+]
ER	320	Transite Siding; Corrugated	M/NF2	([+])
ES	321	Built-Up Roofing; Dock (B14)	M/NF1	[+]
ES	322	Built-Up Roofing; Dock (B14)	M/NF1	([+])
ET	323	Built-Up Roofing; (B07)	M/NF1	0
ET	324	Built-Up Roofing; (B07)	M/NF1	0
EU	325	Roof Flashing, (B07)	M/NF1	[+]
EU	326	Roof Flashing, (B07)	M/NF1	([+])
EV	327	Cap Stone Sealant	M/NF2	[+]
EV	328	Cap Stone Sealant	M/NF2	([+])
EW	329	Built-Up Roofing; (B05)	M/NF1	[+],B
EW	330	Built-Up Roofing; (B05)	M/NF1	0*
EX	331	Roof Flashing, (B05)	M/NF1	0
EX	332	Roof Flashing, (B05)	M/NF1	[+]
EY	333	FRP w/ mastic	M/NF2	0
EY	334	FRP w/ mastic	M/NF2	0
EZ	Assumed	Sub-slab Vapor Barrier/Waterproofing	M/NF2	[+]
FA	335	Built-Up Roofing; (B28)	M/NF1	[+]
FA	336	Built-Up Roofing; (B28)	M/NF1	([+])
FB	337	Roof Flashing, (B28)	M/NF1	[+]
FB	338	Roof Flashing, (B28)	M/NF1	([+])

Group = Homogeneous Group identification

Material Type: S = Surfacing
T = Thermal System Insulation
M = Miscellaneous
NF1 = Non-Friable Category I
NF2 = Non-Friable Category II

Result: 0 = non-ACM
[+] = ACM
([+]) = one sample confirmed ACM, any remaining samples not required to be analyzed
B = verified by layering & point-counting
[+][FT] = Floor Tile/Stair Tread ACM; Mastic non-ACM
[+][M] = Floor Tile or Ceiling Tile non-ACM; Mastic ACM
(Group as a whole considered ACM for removal purposes)
0^1 = Sample 49 [Group R] contained ACM joint compound, not a component of the Group; Group is n
0^2 = Sample 75 [Group AE] contained ACM floor tile, not a component of the Group, Group is non-AC

Table 2. Estimated Cost for Removal of Known or Assumed ACMs
Brownfield Restoration Group
Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

[See NOTE regarding cost estimates]

RACM & Category II Non-Friable[1]	H.G.	Units	Estimated Cost Range
MAG Pipe Insulation	AO	273 LF	$2,730 - $5,460
Paper Pipe Insulation	BA	187 LF	$1,870 - $3,740
Aircell Pipe Insulation	BS	45 LF	$450 - $900
Felt Paper Wrap (over fiberglass)	DC	145 LF	$1,450 - $2,900
MAG Pipe Insulation	AO	4,725 SF	$31,658 - $47,250
Electrical Panel Paper	D	3 EA	$150 - $300
Packing Insulation	CV	25 SF	$375 - $625
Fiberboard #3	CA	20 SF	$60 - $100
Galbestos Corrugated Siding	A	5,150 SF	$15,450 - $25,750
Transite Panel; Electrical Panel	B	55 SF	$165 - $275
Transite Panel	CK	200 SF	$600 - $1,000
Transite Siding; Corrugated	ER	1,600 SF	$4,800 - $8,000
Transite Siding; Flat	EK	200 SF	$600 - $1,000
Drywall System #1	Q	450 SF	$1,350 - $1,800
Asphalt Siding/Rolled Roofing Debris	BD/DO	900 CY	$126,000 - $144,000
1'x1' Ceiling Tile & mastic; Lg & Med Pinhole	U	715 SF	$2,145 - $4,290
Window Glazing	K	2,900 SF	Note 2
Window Glazing; Metal Frame	AR	510 SF	
Window Glazing; Sawtooth Roof Windows	AS	155 SF	
Window Glazing; Guard House	AX	23 SF	
Window Glazing (B05 & B07)	BE	270 SF	
Window Glazing (B14 & B24)	BG	31 SF	
Window Glazing (B17)	BR	6 SF	
Window Glazing; Metal Frame (B01)	BT	315 SF	
Window Glazing; Wood Frame (B01)	BU	45 SF	
Window Glazing (B30)	BX	45 SF	
Window Glazing (B31)	CB	8 SF	
Window Glazing (B03)	CC	95 SF	
Window Glazing (B04)	CD	355 SF	
Window Glazing; Sawtooth Roof Windows (B04)	CE	310 SF	
Window Glazing; Metal Frame (B28 West)	CN	15 SF	
Window Glazing; Wood Frame (B28 West)	CO	2 SF	
Window Glazing; Metal Frame (B28 East)	CP	20 SF	
Window Glazing; Wood Frame (B28 East)	CQ	8 SF	
Window Glazing (B27)	CR	5 SF	

Table 2. Estimated Cost for Removal of Known or Assumed ACMs
Brownfield Restoration Group
Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

[See NOTE regarding cost estimates]

RACM & Category II Non-Friable[1]	H.G.	Units	Estimated Cost Range
Window Glazing (B26)	CU	12 SF	Note 2
Window Glazing (B02)	DD	140 SF	
Window Glazing (B10)	DE	665 SF	
Window Glazing (B11)	DM	17 SF	
Window Glazing (B23/B33)	DP	310 SF	
Window Glazing (B25)	DS	730 SF	
Window Glazing; Reinforced glass (B25/B02)	DT	84 SF	
		Total	**$189,853 - $247,390**
Sub-slab Vapor Barrier/Waterproofing	EZ	NQ SF	

Category I Non-Friable[1]	H.G.	Units	Estimated Cost Range
9"x9" Floor Tile & mastic; Gray	S	4,790 SF	$14,370 - $19,160
9"x9" Floor Tile & mastic; Brown	AB	4,500 SF	$13,500 - $18,000
12"x12" Floor Tile & mastic; Beige	AE	115 SF	$345 - $460
Stair Tread & mastic; Brown	AF	115 SF	$345 - $460
12"x12" Floor Tile & mastic; Beige w/ brown	AI	1,500 SF	$4,500 - $6,000
9"x9" Floor Tile & mastic; Green	AW	100 SF	$300 - $400
9"x9" Floor Tile & mastic; Red	CH	1,235 SF	$3,705 - $4,940
Asphalt Siding w/ Felt Paper	BD	695 SF	$1,390 - $2,780
Roofing; Asphalt (B01)	BV	1,225 SF	$2,450 - $4,900
Roofing Shingles w/Felt (B26)	CT	1,200 SF	$2,400 - $4,800
Built-Up Roofing; Guard House	AY	100 SF	$200 - $400
Roofing Debris (B14)	BH	7,200 SF	$14,400 - $28,800
Roofing Debris (B24)	BI	900 SF	$1,800 - $3,600
Roofing Debris (B08)	BN	1,275 SF	$2,550 - $5,100
Roofing Debris (B17)	BP	5,400 SF	$10,800 - $21,600
Built-Up Roofing; (B01)	BW	1,500 SF	$3,000 - $6,000
Built-Up Roofing; (B31)	BZ	1,330 SF	$2,660 - $5,320
Built-Up Roofing (B27)	CS	1,500 SF	$3,000 - $6,000
Built-Up Roofing (B09 & B04)	CW	22,020 SF	$44,040 - $88,080
Built-Up Roofing (B04)	CY	13,000 SF	$26,000 - $52,000
Built-Up Roofing (B13)	DA	4,500 SF	$9,000 - $18,000
Built-Up Roofing (B11)	DI	1,440 SF	$2,880 - $5,760
Rolled Roofing, Arched (B11)	DJ	6,625 SF	$13,250 - $26,500
Built-Up Roofing #2 (B11)	DU	5,350 SF	$10,700 - $21,400
Built-Up Roofing (B23/B33)	EA	1,760 SF	$3,520 - $7,040
Built-Up Roofing (B25)	EC	4,200 SF	$8,400 - $16,800
Built-Up Roofing #2 (B25)	EE	8,400 SF	$16,800 - $33,600
Built-Up Roofing; Sawtooth (B02)	EH	2,250 SF	$4,500 - $9,000

Table 2. Estimated Cost for Removal of Known or Assumed ACMs
Brownfield Restoration Group
Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

[See NOTE regarding cost estimates]

Category I Non-Friable[1]	H.G.	Units	Estimated Cost Range	
Roof Flashing; Sawtooth (B02)	EI	400 SF	$800 -	$1,600
Built-Up Roofing (B03/B34)	EL	4,795 SF	$9,590 -	$19,180
Built-Up Roofing; Dock (B14)	ES	400 SF	$800 -	$1,600
Cap Stone Sealant	EV	30 SF	$60 -	$120
Built-Up Roofing; (B05)	EW	4,500 SF	$9,000 -	$18,000
Built-Up Roofing; (B28)	FA	2,100 SF	$4,200 -	$8,400
Roof Flashing; Guard House	AZ	50 SF	$100 -	$200
Roof Flashing (B09)	CX	300 SF	$600 -	$1,200
Roof Flashing (B04)	CZ	1,600 SF	$3,200 -	$6,400
Roof Flashing (B13)	DB	1,100 SF	$2,200 -	$4,400
Roof Flashing, Arched (B11)	DK	500 SF	$1,000 -	$2,000
Roof Flashing, (B01) #2	DX	900 SF	$1,800 -	$3,600
Roof Flashing, (B10)	DZ	2,250 SF	$4,500 -	$9,000
Roof Flashing, (B23/B33)	EB	450 SF	$900 -	$1,800
Roof Flashing, (B25)	ED	980 SF	$1,960 -	$3,920
Roof Flashing #2 (B25)	EF	1,200 SF	$2,400 -	$4,800
Flashing; Flat (B02)	EJ	475 SF	$950 -	$1,900
Roof Flashing, (B03/B34)	EM	620 SF	$1,240 -	$2,480
Roof Flashing, (B30)	EP	800 SF	$1,600 -	$3,200
Roof Flashing, (B07)	EU	700 SF	$1,400 -	$2,800
Roof Flashing, (B05)	EX	850 SF	$1,700 -	$3,400
Roof Flashing, (B28)	FB	450 SF	$900 -	$1,800
		Total	**$271,705 -**	**$518,700**

H.G. = homogeneous group
RACM = Regulated ACM, by definition
[1] = specific material removal technique may exclude from classification as RACM

NOTE 1: Unit cost ranges for various materials are based on known historical bidding results.
Unit costs and estimated cost totals in this table are estimates only,
and do not represent project specific cost estimates.
Costs for removal of ACM vapor barriers under concrete slabs are wholly site-specific
and no reasonable estimate can be provided

NOTE 2: Costs for window system removal will be site-specific and no reasonable estimate can be provided

Table 3. Summary of Waste Characterization Analysis for Lead
Brownfield Restoration Group
Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

September 10-17, 2018 Sampling

Sample ID OH42143	Building/Unit	TCLP Lead
091018- 01	B-12; Concrete floor & ceramic block wall	< 0.50
091118- 02	B-13, Guardhouse; Plaster, wood walls, structural wood, cinder block, ceramic tile	< 0.50
091118- 03	B-09; Cinder block, ceramic brick, concrete	< 0.50
091318- 04	B-20, -32; Cinder block, ceramic tile debris, wood	< 0.50
091418- 06	B-25; Wood wall, concrete floor, ceramic brick	< 0.50
091418- 07	B-02, -10, 23, -33; Cinder block wall, concrete floor, ceramic brick	1.28
091418- 08	B-11; Wood walls, cinder block, ceramic brick	< 0.50
091418- 09	B-04, -27, -28; Cinder block, concree, ceramic brick, wood	< 0.50
091418- 10	B-26; Cinder block, concrete, ceramic block	< 0.50
091418- 11	B-01; Red brick, concrete	< 0.50
091418- 12	B-30, -31, -34; concrete, Ceramic brick, cinder block	0.98
091418- 13	B-05, -07; Concrete, cinder block, ceramic brick	< 0.50
091718- 14	B-08, -14, -17, -24; Concrete ceramic brick, red brick	< 0.50

TCLP = Toxicity Characteristic Leaching Procedure
Results for TCLP Lead expressed in milligrams per liter (mg/l).

Table 4. Summary of Polychlorinated Biphenyl (PCB) Analytical Results
Brownfield Restoration Group
Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

September 10, 2018 Sampling

Analyte/Method/Units	Galbestos B-12	Galbestos B-12	Galbestos B-12
	091018-01PCB	091418-02PCB	091718-03PCB
PCBs/SW846-8081/mg/kg			
All Aroclors	< 0.10	< 0.10	< 0.12

Notes:
Results expressed in units as indicated.

Table 5. Summary of Waste Characterization Analytical Results
Brownfield Restoration Group
Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

September 13, 14 & 17, 2018 Sampling

Analyte/Method/Units	Wood Floor B-10	Wood Floor B-25	Wood Floor B-03	Action Level
	091318-05TCLP	091418-15TCLP	091718-16TCLP	
TCLP Metals/SW846-1311 + (see below)/mg/l				
Arsenic/SW846-6010A	< 0.50	< 0.50	< 0.50	5.0
Barium/SW846-6010A	< 5.0	< 5.0	< 5.0	100
Cadmium/SW846-6010A	< 0.10	< 0.10	< 0.10	1.0
Chromium/SW846-6010A	< 0.50	< 0.50	< 0.50	5.0
Lead/SW846-6010A	< 0.50	0.943	< 0.50	5.0
Mercury/SW846-7470A	< 0.0050	< 0.0050	< 0.0050	0.2
Selenium/SW846-6010A	< 0.50	< 0.50	< 0.50	1.0
Silver/SW846-6010A	< 0.10	< 0.10	< 0.10	5.0
TCLP VOCs/SW846-1311/8260/mg/l	ND	ND	ND	varies
TCLP SVOCs/SW846-1311/8270B/mg/l	ND	ND	ND	varies
PCBs/SW846-8081/mg/kg				
All Aroclors	< 0.10	< 0.10		50
Aroclor 1254			2.5	50

Notes:
Results expressed in units as indicated.
Action Levels = RCRA Characteristic limits, except PCBs [general PCB waste standard]
† = concentration or value exceeds RCRA Characteristic Action Level
Compounds for TCLP VOCs and SVOCs shown only if detected in at least one sample
Refer to Laboratory Analytical Report for full suite of compounds

EA GROUP

Environmental Analysis
and Management

APPENDIX A

Asbestos Inspection Data Sheets

ASBESTOS INSPECTION DATA SHEET KEY

Client and Project Information provided by either Work Order or Scope of Work

Building - Name or address of building.

Functional Space - A room, group of rooms, or homogeneous area designated by the inspector to prepare management plans, design abatement projects, or conduct response actions.

Group No. - An arbitrary number/letter assigned to each homogeneous material (material that is uniform in color and texture, serves the same function, and was installed at the same time) encountered during sampling.

ID # - A sample number assigned by the inspector which begins with the work order number (OH XXXXX) at the top of the column and then a unique sample number for each sample.

Material Description - Distinguishing characteristics that may include system type, function, size, color, shape etc.

Location - Location of homogeneous material being sampled or occurrence of homogeneous material.

Quantity - Defined as linear footage (LF), square footage (SF), or number of fittings or miscellaneous items, each (EA)

Material Type - Abbreviations provided on the form as:

S -	Surfacing Material (troweled or sprayed-on)	NF1 -	Non-friable Category I
T -	Thermal System Insulation	NF2 -	Non-friable Category II
M -	Miscellaneous		

Material Condition

ND -	No Damage. The material is in visibly good condition with no apparent damage.
D -	Damage. Material that has "Damage" is defined as damage to less than 10% of the entire homogeneous group or less than 25% of a localized section of the homogeneous group.
SD -	Significant Damage. Material that is "Significantly Damaged" is defined as damage to greater than 10% of the entire homogeneous group or greater than 25% of a localized section of the homogeneous group.

Cause of Damage -

P -	Physical. Vandalism or accidental damage	D -	Deterioration. Deterioration from age
W -	Water. Water damage	Other -	Additional influences that may cause damage

Present Disturbance Factors - Visible, Accessible, Air Movement, Activity, and Friable

Visible -	Can it be seen; Yes or No
Accessible -	Yes - The material is accessible to both the occupants of the building and custodial and maintenance personnel. No - The material is not easily accessible to people; i.e., crawl spaces, pipe tunnels, pipe chases, etc.
Air Movement -	Low - No air flow/plenum; air flow not recognizable to human touch. Medium - Air flow/plenum present; noticeable air flow; recognizable to human touch. High - Air flow/plenum/air handling unit/fan present; steady to gusty air flow; air flow obvious to human touch.
Activity -	Low - No traffic/vibrations. Medium - Moderate traffic and/or vibration. High - High traffic and/or continuous vibration.
Friable -	A material is considered friable if, when dry, it may be crumbled, pulverized, or reduced to powder by hand pressure.

Present Potential for Damage -

Low Potential for Damage - Accessibility, Influence for Vibration and Air Erosion must be no, low or insignificant.
Potential for Damage - Accessible with any combination of low or medium ratings in the Influence for Vibration and Air Erosion categories
Potential for Significant Damage - Accessible with any combination with a high rating in Influence of Vibration and Air Erosion categories.

Hazard Assessment - Abbreviations provided on the form: PD = Potential for Damage; PSD = Potential for Significant Damage; 0 and Alphabetical abbreviations will be provided during reporting.

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Project: Pre-Demolition Asbestos Survey

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Functional Space: B12

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
Lower Level	C	---	Sealant on Fiberglass Pipe Insulation					0	
	E	10	Hard Fitting on Fiberglass Line					0	
	E	11	Hard Fitting on Fiberglass Line					0	
	E	12	Hard Fitting on Fiberglass Line					0	
	F	13	Boiler Gasket					0	
	F	14	Boiler Gasket					0	
	G	15	Boiler End of Tank Insulation (Front of Tank)					0	
	G	16	Boiler End of Tank Insulation (Front of Tank)					0	
	G	17	Boiler End of Tank Insulation (Front of Tank)					0	
	H	18	Boiler End of Tank Insulation (Back of Tank)					0	
	H	19	Boiler End of Tank Insulation (Back of Tank)					0	
	H	20	Boiler End of Tank Insulation (Back of Tank)					0	

MATERIALS:
TYPE:
S - Surfacing
T - Thermal
M - Miscellaneous
NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
N = not RACM by definition
NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
0 - Non-ACM
[+] = ACM [no other assessment required]
B = Verified by layering/point counting

COMMENTS:

EA GROUP
7118 Industrial Park Blvd.
Mentor, OH 44060-5314
(440) 951-3514

EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B12

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
Lower Level	I	21	Insulation Debris (In Drum)					0	
	I	22	Insulation Debris (In Drum)					0	
	I	23	Insulation Debris (In Drum)					0	
	J	24	Boiler Packing					0	
	J	25	Boiler Packing					0	
	J	26	Boiler Packing					0	
1st Floor	A	01	Galbestos Corrugated Siding	5100	M/NF1		N	[+]	
	A	02	Galbestos Corrugated Siding		M/NF1		N	([+])	
	B	03	Transite Panel; Electrical Panel	5	M/NF2		N	[+]	
	B	04	Transite Panel; Electrical Panel		M/NF2		N	([+])	

MATERIALS:
TYPE:
S - Surfacing
T - Thermal
M - Miscellaneous
NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
N = not RACM by definition
NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
0 - Non-ACM
[+] = ACM [no other assessment required]
B = Verified by layering/point counting

COMMENTS:

([+]) = one sample confirmed ACM, any remaining samples not required to be analyzed

EA GROUP
7118 Industrial Park Blvd
Mentor, OH 44060-5314
(440) 951-3514

EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey

Functional Space: B12

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
1st Floor	C	05	Sealant on Fiberglass Pipe Insulation					0	
	C	06	Sealant on Fiberglass Pipe Insulation					0	
	C	07	Sealant on Fiberglass Pipe Insulation					0	
	D	08	Electrical Panel Paper	2 EA	M		Y	[+]	
	D	09	Electrical Panel Paper		M		Y	([+])	
Exterior	K	27	Window Glazing	2900	M/NF2		N	[+][0]	Wall to wall, floor to ceiling
	K	28	Window Glazing		M/NF2		N	[+],B	Nearly all windows are covered by exterior siding
	EQ	317	Roofing Shingles; Asphalt (B12)					0	
	EQ	318	Roofing Shingles; Asphalt (B12)					0	
	ER	319	Transite Siding; Corrugated	1300	M/NF2		N	[+]	Elevated
	ER	320	Transite Siding; Corrugated		M/NF2		N	[+]	

MATERIALS:
TYPE:
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M - Miscellaneous
NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: (if relevant)
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
N = not RACM by definition
NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
0 - Non-ACM
[+] = ACM (no other assessment required)
B = Verified by layering/point counting

COMMENTS:

([+]) = one sample confirmed ACM, any remaining samples not required to be analyzed

EA GROUP
7118 Industrial Park Blvd.
Mentor, OH 44060-5314
(440) 951-3514

EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group | Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey | Functional Space: Guard House

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
Interior	AV	112	Fiberboard #2					0	
	AV	113	Fiberboard #2					0	
	AW	114	9"x9" Floor Tile & mastic; Green	100	M/NF1		N	[+]	Material under 2 layers of carpet
	AW	115	9"x9" Floor Tile & mastic; Green		M/NF1		N	([+])	Need additional mastic analysis
Exterior	AX	116	Window Glazing; Guard House	23	M/NF2		N	[+],B	
	AX	117	Window Glazing; Guard House		M/NF2		N	([+])	
	AY	118	Built-Up Roofing; Guard House	100	M/NF1		N	[+],B	
	AY	119	Built-Up Roofing; Guard House		M/NF1		N	([+])	
	AZ	120	Roof Flashing; Guard House	50	M/NF1		N	[+],B	
	AZ	121	Roof Flashing; Guard House		M/NF1		N	[+]	

MATERIALS:
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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
N = not RACM by definition
NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
0 - Non-ACM
[+] = ACM (no other assessment required)
B = Verified by layering/point counting

COMMENTS:

([+]) = one sample confirmed ACM, any remaining samples not required to be analyzed

[+][FT] = Floor Tile ACM; Mastic non-ACM

EA GROUP
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Mentor, OH 44060-5314
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EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Project: Pre-Demolition Asbestos Survey

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Functional Space: B13

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
2nd Floor	L	29	Plaster; Ceiling					0	
	L	30	Plaster; Ceiling					0	
	L	31	Plaster; Ceiling					0	
	M	34	Plaster; Wall					0	
	M	35	Plaster; Wall					0	
	M	36	Plaster; Wall					0	
	N	41	2'x4' Ceiling Panel; Fissure, Pinhole					0	
	N	42	2'x4' Ceiling Panel; Fissure, Pinhole					0	
	O	43	1'x1' Ceiling Tile & mastic; Patterned Hole					0	
	O	44	1'x1' Ceiling Tile & mastic; Patterned Hole					0	
	P	45	2'x2' Ceiling Panel; Recessed, Fissure, Pinhole					0	
	P	46	2'x2' Ceiling Panel; Recessed, Fissure, Pinhole					0	

MATERIALS:
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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
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NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
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COMMENTS:

EA GROUP
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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B13

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	Friable	RESULT	NOTES
2nd Floor	Q	47	Drywall System #1	450	M/NF2		N	[+],B	
	Q	48	Drywall System #1		M/NF2		N	[+]	
	R	49	4" Cove Base & mastic; Black					0	
	R	50	4" Cove Base & mastic, Black					0	
	S	51	9"x9" Floor Tile & mastic; Gray	4500	M/NF1		N	[+][FT]	Approx 4000 SF under carpet
	S	52	9"x9" Floor Tile & mastic; Gray		M/NF1		N	[+][FT]	
	T	53	Carpet Mastic, Yellow					0	
	T	54	Carpet Mastic, Yellow					0	
	U	55	1'x1' Ceiling Tile & mastic; Lg & Med Pinhole	715	M		Y	[+][M]	
	U	56	1'x1' Ceiling Tile & mastic; Lg & Med Pinhole		M		Y	[+][M]	
	V	57	Wood Paneling Mastic, Black					0	
	V	58	Wood Paneling Mastic, Black					0	

MATERIALS:
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N/S = not suspect

CONDITION: (if relevant)
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D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
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RESULT:
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[+] = ACM (no other assessment required]
B = Verified by layering/point counting

COMMENTS:

([+]) = one sample confirmed ACM, any remaining samples not required to be analyzed

[+][FT] = Floor Tile ACM; Mastic non-ACM
[+][M] = Ceiling Tile non-ACM; Mastic ACM (Group as a whole considered ACM for removal purposes)

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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Project: Pre-Demolition Asbestos Survey

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Functional Space: B13

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
2nd Floor	W	59	Wood Paneling Mastic, Beige					0	
	W	60	Wood Paneling Mastic, Beige					0	
	AF	---	Stair Tread & mastic; Brown	15	M/NF1		N	[+]	
1st Floor (Part A)	L	32	Plaster; Ceiling					0	
	L	33	Plaster; Ceiling					0	
	M	37	Plaster; Wall					0	
	M	38	Plaster; Wall					0	
	M	39	Plaster; Wall					0	
	M	40	Plaster; Wall					0	
	N	---	2'x4' Ceiling Panel; Fissure, Pinhole					0	
	O	---	1'x1' Ceiling Tile & mastic; Patterned Hole					0	
	T	---	Carpet Mastic, Yellow					0	

MATERIALS:
TYPE:
S - Surfacing
T - Thermal
M - Miscellaneous
NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
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D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
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FRIABLE:
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NF1/NF2 may be friable due to condition or may become friable during reno/demo

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COMMENTS:

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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B13

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		Friable	RESULT	NOTES
					Type	Cond			
1st Floor (Part A)	X	61	1'x1' Ceiling Tile; Decorative & Pin Spline					0	
	X	62	1'x1' Ceiling Tile; Decorative & Pin Spline					0	
	Y	63	Unfinished Gypsum; Brown					0	
	Y	64	Unfinished Gypsum; Brown					0	
	Z	65	4" Cove Base & mastic; Brown					0	
	Z	66	4" Cove Base & mastic; Brown					0	
	AA	67	Drywall System #2					0	
	AA	68	Drywall System #2					0	
	AB	69	9"x9" Floor Tile & mastic; Brown	4500	M/NF1		N	[+],B	
	AB	70	9"x9" Floor Tile & mastic; Brown		M/NF1		N	([+])	
	AC	71	Vinyl Covered Gypsum Pre-Fab Wall					0	
	AC	72	Vinyl Covered Gypsum Pre-Fab Wall					0	

MATERIALS:
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N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
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NF1/NF2 may be friable due to condition or may become friable during reno/demo

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COMMENTS:

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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Project: Pre-Demolition Asbestos Survey

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Functional Space: B13

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
1st Floor (Part A)	AD	73	1'x1' Ceiling Tile & mastic; Pitted					0	
	AD	74	1'x1' Ceiling Tile & mastic; Pitted					0	
	AE	75	12"x12" Floor Tile & mastic; Beige	115	M/NF1		N	[+][0]	See comments
	AE	76	12"x12" Floor Tile & mastic; Beige		M/NF1		N	[+][0]	
	AF	77	Stair Tread & mastic; Brown	100	M/NF1		N	[+],B	
	AF	78	Stair Tread & mastic; Brown		M/NF1		N	([+])	
1st Floor (Part B)	L	---	Plaster; Ceiling					0	
	M	---	Plaster; Wall					0	
	O	---	1'x1' Ceiling Tile & mastic; Patterned Hole					0	
	S	---	9"x9" Floor Tile & mastic; Gray	290	M/NF1		N	[+][FT]	
	T	---	Carpet Mastic, Yellow					0	
	Z	---	4" Cove Base & mastic; Brown					0	

MATERIALS:
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NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: (if relevant)
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
N = not RACM by definition
NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
0 - Non-ACM
[+] = ACM [no other assessment required]
B = Verified by layering/point counting

COMMENTS:

([+]) = one sample confirmed ACM, any remaining samples not required to be analyzed
[+][0], [+][0,B] = Sample non-ACM or trace but at least one other sample from Group confirmed ACM; Group considered ACM

Group AE non-ACM, but covers ACM Group AB, Group AE considered ACM for removal purposes

EA GROUP
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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B13

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
1st Floor (Part B)	AL	---	Fiberboard #1					0	
	AN	---	12"x12" Floor Tile & mastic; Beige					0	
	AT	107	Drywall System; Ceiling w/ swirl pattern					0	
	AT	108	Drywall System; Ceiling w/ swirl pattern					0	
	AT	109	Drywall System; Ceiling w/ swirl pattern					0	
	AU	110	Drywall System #6					0	
	AU	111	Drywall System #6					0	
Exterior	DA	231	Built-Up Roofing (B13)					0	
	DA	232	Built-Up Roofing (B13)					0	
	DB	233	Roof Flashing (B13)	1100	M/NF1		N	[+]	
	DB	234	Roof Flashing (B13)		M/NF1		N	[+]	

MATERIALS:
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NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: (if relevant)
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
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FRIABLE:
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NF1/NF2 may be friable due to condition or may become friable during reno/demo

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COMMENTS:

EA GROUP
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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey

Functional Space: B09

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
2nd Floor	N	---	2'x4' Ceiling Panel; Fissure, Pinhole					0	
	R	---	4" Cove Base & mastic; Black					0	
	Z	---	4" Cove Base & mastic; Brown					0	
	AG	79	Drywall System #3					0	
	AG	80	Drywall System #3					0	
	AH	81	2'x2' Ceiling Panel; Recessed, Heavy Texture					0	
	AH	82	2'x2' Ceiling Panel; Recessed, Heavy Texture					0	
	AI	83	12"x12" Floor Tile & mastic; Beige w/ brown	1500	M/NF1		N	[+][M]	
	AI	84	12"x12" Floor Tile & mastic; Beige w/ brown		M/NF1		N	[+]	
	AJ	85	Ceramic Tile Mastic					0	
	AJ	86	Ceramic Tile Mastic					0	

MATERIALS:
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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
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NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
0 - Non-ACM
[+] = ACM [no other assessment required]
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COMMENTS:

[+][M] = Floor Tile non-ACM; Mastic ACM (Group as a whole considered ACM for removal purposes)

EA GROUP
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EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B09

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
2nd Floor	AK	87	Drywall System #4					0	
	AK	88	Drywall System #4					0	
Stairwell	AL	89	Fiberboard #1					0	
	AL	90	Fiberboard #1					0	
1st Floor	AL	---	Fiberboard #1					0	
	AM	91	Drywall System #5					0	
	AM	92	Drywall System #5					0	
	AN	93	12"x12" Floor Tile & mastic; Beige					0	
	AN	94	12"x12" Floor Tile & mastic; Beige					0	
	AP	98	12"x12" Floor Tile & mastic; Orange w/ brown					0	
	AP	99	12"x12" Floor Tile & mastic, Orange w/ brown					0	

MATERIALS:
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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: (if relevant)
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COMMENTS:

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EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey

Functional Space: B09

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
1st Floor	AQ	100	Hard Fitting on Fiberglass Line					0	
	AQ	101	Hard Fitting on Fiberglass Line					0	
	AQ	102	Hard Fitting on Fiberglass Line					0	
Vault	AO	95	MAG Pipe Insulation	15 LF	T		Y	[+]	
Restroom	BB	---	2'x4' Ceiling Panel; Vinyl Covered Gypsum					0	
	CJ	---	Unfinished Gypsum					0	
	EY	333	FRP w/ mastic					0	
	EY	334	FRP w/ mastic					0	
Exterior	AR	103	Window Glazing; Metal Frame	510 SF	M/NF2		N	[+],B	
	AR	104	Window Glazing; Metal Frame		M/NF2		N	([+])	
	AS	105	Window Glazing; Sawtooth Roof Windows	155 SF	M/NF2		N	[+],B	
	AS	106	Window Glazing; Sawtooth Roof Windows		M/NF2		N	([+])	

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CONDITION: [if relevant]
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EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B09

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
Exterior	BD	---	Asphalt Siding w/ Felt Paper	225	M/NF1		N	[+]	
	CW	223	Built-Up Roofing (B09 & B04)	21300	M/NF1		N	[+],B	
	CW	224	Built-Up Roofing (B09 & B04)		M/NF1		N	[+]	
	CX	225	Roof Flashing (B09)	300	M/NF1		N	[+]	
	CX	226	Roof Flashing (B09)		M/NF1		N	([+])	

MATERIALS:
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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
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FRIABLE:
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EA GROUP
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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group | Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey | Functional Space: B24 and B14

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B24 (Heavy Fire Damage)	AQ	---	Hard Fitting on Fiberglass Line					0	
	BG	---	Window Glazing (B14 & B24)	2EA/1SF	M/NF2		N	[+]	
	BI	139	Roofing Debris (B24)	900	M/NF1		N	[+]	Material is on ground
	BI	140	Roofing Debris (B24)		M/NF1		N	[+],B	
B14 (Heavy Fire Damage)	BG	135	Window Glazing (B14 & B24)	24EA/30SF	M/NF2		N	[+],B	Windows damaged, many or all panes missing
	BG	136	Window Glazing (B14 & B24)		M/NF2		N	[+],B	
	BH	137	Roofing Debris (B14)	7200	M/NF1		N	[+]	Material is on ground
	BH	138	Roofing Debris (B14)		M/NF1		N	[+]	
	ES	321	Built-Up Roofing; Dock (B14)	400	M/NF1		N	[+]	Material is on ground and attached to dock roof
	ES	322	Built-Up Roofing; Dock (B14)		M/NF1		N	([+])	

MATERIALS:
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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
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NF1/NF2 may be friable due to condition or may become friable during reno/demo

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EA GROUP
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EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B05

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
Manufaturing Area	B	---	Transite Panel; Electrical Panel	6EA / 50SF	M/NF2		N	[+]	
	D	---	Electrical Panel Paper	1 EA	M		Y	[+]	
	AO	96	MAG Pipe Insulation	65 LF	T		Y	([+])	
	AO	97	MAG Pipe Insulation		T		Y	([+])	
	BA	122	Paper Pipe Insulation	130 LF	T		Y	[+]	
	BA	123	Paper Pipe Insulation		T		Y	([+])	
	BC	127	Incinerator Fire Brick					0	
	BC	128	Incinerator Fire Brick					0	
Connector to B09	N	---	2'x4' Ceiling Panel; Fissure, Pinhole					0	
	BB	125	2'x4' Ceiling Panel; Vinyl Covered Gypsum					0	
	BB	126	2'x4' Ceiling Panel; Vinyl Covered Gypsum					0	

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ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey

Functional Space: B05

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
Connector to B09	DG	244	Asphalt Shingle w/ Felt Paper (B05)					0	
	DG	245	Asphalt Shingle w/ Felt Paper (B05)					0	
Exterior	BD	129	Asphalt Siding w/ Felt Paper	270	M/NF1		N	[+]	
	BD	130	Asphalt Siding w/ Felt Paper		M/NF1		N	[+]	
	BE	131	Window Glazing (B05 & B07)	235 SF	M/NF2		N	[+][0]	
	BE	132	Window Glazing (B05 & B07)		M/NF2		N	[+],B	
	BF	133	Floor Leveler & Coating					0	
	BF	134	Floor Leveler & Coating					0	
	EW	329	Built-Up Roofing; (B05)	4500	M/NF1		N	[+],B	
	EW	330	Built-Up Roofing; (B05)		M/NF1		N	[+]	
	EX	331	Roof Flashing, (B05)	850	M/NF1		N	[+][0]	
	EX	332	Roof Flashing, (B05)		M/NF1		N	[+]	

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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B07

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
Manufacturing Area	AO	---	MAG Pipe Insulation	120 LF	T		Y	[+]	
	AO	---	MAG Pipe Insulation	2800	T		Y	[+]	Debris, see comments
Exterior	BE	---	Window Glazing (B05 & B07)	35 SF	M/NF2		N	[+]	
	ET	323	Built-Up Roofing; (B07)		M/NF1		N	0	
	ET	324	Built-Up Roofing; (B07)		M/NF1		N	0	
	EU	325	Roof Flashing, (B07)	700	M/NF1		N	[+]	
	EU	326	Roof Flashing, (B07)		M/NF1		N	([+])	
	EV	327	Cap Stone Sealant	30	M/NF2		N	[+]	
	EV	328	Cap Stone Sealant		M/NF2		N	([+])	

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Approx. 2,800 SF of floor was observed to have pipe insulation debris as a result of vandelism.

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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group | Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey | Functional Space: B06 and B08

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B06 (Heavy Fire Damage)	BK	143	Plaster; Wall (B06)					0,B	
	BK	144	Plaster; Wall (B06)					0,B	
	BK	145	Plaster; Wall (B06)					0,B	
	BL	146	Roofing Debris (B06)					0	
	BL	147	Roofing Debris (B06)					0	
	BM	148	Window Glazing (B06)					0	
	BM	149	Window Glazing (B06)					0	
B06, Restrooms	BK	---	Plaster; Wall (B06)					0,B	
	BL	---	Roofing Debris (B06)					0	
B08 (Heavy Fire Damage)	BN	150	Roofing Debris (B08)	1275	M/NF1		N	[+][0]	Debris on ground
	BN	151	Roofing Debris (B08)		M/NF1		N	[+]	
	BO	152	Window Glazing (B08)					0	
	BO	153	Window Glazing (B08)					0	

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0,B = trace asbestos; non-ACM by EPA but OSHA may apply

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ASBESTOS INSPECTION DATA SHEET

Client: BRG Group					Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio					
Project: Pre-Demolition Asbestos Survey					Functional Space: B17					
LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B17 (Heavy Fire Damage)	BP	154	Roofing Debris (B17)	5400	M/NF1		N	[+],B	
	BP	155	Roofing Debris (B17)		M/NF1		N	[+]	
	BQ	156	Plaster Wall (B17)					0,B	
	BQ	157	Plaster Wall (B17)					0,B	
	BQ	158	Plaster Wall (B17)					0,B	
	BR	159	Window Glazing (B17)	1EA/6SF	M/NF2		N	[+],B	
	BR	160	Window Glazing (B17)		M/NF2		N	[+],B	
	ER	---	Transite Siding; Corrugated	300	M/NF2		Y	[+]	300 SF on ground & friable condition

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ASBESTOS INSPECTION DATA SHEET

Client: BRG Group | Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey | Functional Space: B30

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B30	BX	172	Window Glazing (B30)	45 SF	M/NF2		N	[+][0]	
	BX	173	Window Glazing (B30)		M/NF2		N	[+],B	
	BY	174	Roofing; Asphalt (B30)					0	
	BY	175	Roofing; Asphalt (B30)					0	
	EN	311	Built-Up Roofing #1 (B30)					0	
	EN	312	Built-Up Roofing #1 (B30)					0	
	EO	313	Built-Up Roofing #2 (B30)					0	
	EO	314	Built-Up Roofing #2 (B30)					0	
	EP	315	Roof Flashing, (B30)	800	M/NF1		N	[+],B	
	EP	316	Roof Flashing, (B30)		M/NF1		N	([+])	

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ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B31 and B34

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B31 (Partially Collapsed)	BZ	176	Built-Up Roofing; (B31)	1330	M/NF1		N	[+]	
	BZ	177	Built-Up Roofing; (B31)		M/NF1		N	[+]	
	CA	178	Fiberboard #3	20	M		Y	[+]	
	CA	179	Fiberboard #3		M		Y	([+])	
	CB	180	Window Glazing (B31)	1EA/8SF	M/NF2		N	[+],B	
	CB	181	Window Glazing (B31)		M/NF2		N	[+],B	
	BD	---	Asphalt Siding w/ Felt Paper	200	M/NF1		N	[+]	
B34	AO	---	MAG Pipe Insulation	225	T		Y	[+]	Debris on ground
	EL	---	Built-Up Roofing (B03/B34)	1375	M/NF1		N	[+]	
	EM	---	Roof Flashing, (B03/B34)	200	M/NF1		N	[+]	

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ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey

Functional Space: B03

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B03	CC	182	Window Glazing (B03)	95 SF	M/NF2		N	[+],B	
	CC	183	Window Glazing (B03)		M/NF2		N	{[+]}	
	EL	307	Built-Up Roofing (B03/B34)	3420	M/NF1		N	[+]	
	EL	308	Built-Up Roofing (B03/B34)		M/NF1		N	[+]	
	EM	309	Roof Flashing, (B03/B34)	420	M/NF1		N	[+]	
	EM	310	Roof Flashing, (B03/B34)		M/NF1		N	{[+]}	

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ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B04

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
B04	AL	---	Fiberboard #1					0	
	CD	184	Window Glazing (B04)	355 SF	M/NF2		N	[+],B	
	CD	185	Window Glazing (B04)		M/NF2		N	([+])	
	AL	---	Fiberboard #1					0	
	CF	188	1'x1' Ceiling Tile & mastic; Patterned Hole #2					0	
	CF	189	1'x1' Ceiling Tile & mastic; Patterned Hole #2					0	
	CG	190	2'x2' Ceiling Panel; Recessed, Pitted, Pinhole					0	
	CG	191	2'x2' Ceiling Panel; Recessed, Pitted, Pinhole					0	
	CH	192	9"x9" Floor Tile & mastic; Red	190	M/NF1		N	[+],B	
	CH	193	9"x9" Floor Tile & mastic; Red		M/NF1		N	([+])	
	CI	194	Window Glazing; Wood Frame (B04)					0	
	CI	195	Window Glazing; Wood Frame (B04)					0	

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ASBESTOS INSPECTION DATA SHEET

Client: BRG Group | Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey | Functional Space: B04

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B04	CE	186	Window Glazing; Sawtooth Roof Windows (B04)	310 SF	M/NF2		N	[+],B	
	CE	187	Window Glazing; Sawtooth Roof Windows (B04)		M/NF2		N	([+])	
	CW	---	Built-Up Roofing (B09 & B04)	720	M/NF1		N	[+]	
	CY	227	Built-Up Roofing (B04)	13000	M/NF1		N	[+]	
	CY	228	Built-Up Roofing (B04)		M/NF1		N	[+]	
	CZ	229	Roof Flashing (B04)	1600	M/NF1		N	[+]	
	CZ	230	Roof Flashing (B04)		M/NF1		N	([+])	

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ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B28

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B28 West	CH	---	9"x9" Floor Tile & mastic; Red	205	M/NF1		N	[+]	
	CJ	196	Unfinished Gypsum					0	
	CJ	197	Unfinished Gypsum					0	
	CK	198	Transite Panel	200	M/NF2		N	[+]	
	CK	199	Transite Panel		M/NF2		N	([+])	
	CL	200	Fiberboard #4					0	
	CL	201	Fiberboard #4					0	
	CN	204	Window Glazing; Metal Frame (B28 West)	2EA/15SF	M/NF2		N	[+]	
	CN	205	Window Glazing; Metal Frame (B28 West)		M/NF2		N	([+])	
	CO	206	Window Glazing; Wood Frame (B28 West)	1EA/2SF	M/NF2		N	[+][0,B]	
	CO	207	Window Glazing; Wood Frame (B28 West)		M/NF2		N	[+],B	

MATERIALS:
TYPE:
S - Surfacing
T - Thermal
M - Miscellaneous
NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
N = not RACM by definition
NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
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EA GROUP
7118 Industrial Park Blvd.
Mentor, OH 44060-5314
(440) 951-3514

EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group | Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey | Functional Space: B28

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B28 East (Former Lab)	BA	---	Paper Pipe Insulation	25 LF	T		Y	[+]	
	CH	---	9"x9" Floor Tile & mastic; Red	420	M/NF1		N	[+]	
	CJ	---	Unfinished Gypsum					0	
	CM	202	1'x1' Ceiling Tile & mastic; Patterned Hole #3					0	
	CM	203	1'x1' Ceiling Tile & mastic; Patterned Hole #3					0	
	CP	208	Window Glazing, Metal Frame (B28 East)	3EA/20SF	M/NF2		N	[+],B	
	CP	209	Window Glazing, Metal Frame (B28 East)		M/NF2		N	([+])	
	CQ	210	Window Glazing; Wood Frame (B28 East)	3EA/8SF	M/NF2		N	[+],B	
	CQ	211	Window Glazing; Wood Frame (B28 East)		M/NF2		N	([+])	
B28 Exterior (East & West)	FA	335	Built-Up Roofing; (B28)	2100	M/NF1		N	[+]	Partially collapsed
	FA	336	Built-Up Roofing; (B28)		M/NF1		N	([+])	
	FB	337	Roof Flashing, (B28)	450	M/NF1		N	[+]	
	FB	338	Roof Flashing, (B28)		M/NF1		N	([+])	

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N/S = not suspect

CONDITION: [if relevant]
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D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
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FRIABLE:
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7118 Industrial Park Blvd.
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Survey Date(s): 9/10/18 - 9/17/18 & 9/25/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B27

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B27 (Partially Collapsed)	BA	---	Paper Pipe Insulation	6 LF	T		Y	[+]	
	CR	212	Window Glazing (B27)	1EA/5SF	M/NF2		N	[+],B	Window frame located in collapsed portion of roof
	CR	213	Window Glazing (B27)		M/NF2		N	([+])	
	CS	214	Built-Up Roofing (B27)	1500	M/NF1		N	[+]	Portion of roof is collapsed
	CS	215	Built-Up Roofing (B27)		M/NF1		N	[+],B	

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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
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D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B26

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B26, Restrooms	BA	---	Paper Pipe Insulation	6 LF	T		Y	[+]	
	CH	---	9"x9" Floor Tile & mastic; Red	420	M/NF1		N	[+]	
	CL	---	Fiberboard #4					0	
B26, Corridor	BS	---	Aircell Pipe Insulation	5 LF	T		Y	[+]	
	CL	---	Fiberboard #4					0	
	CV	220	Packing Insulation	25	T		Y	[+]	
	CV	221	Packing Insulation		T		Y	[+]	
	CV	222	Packing Insulation		T		Y	[+]	
B26, Exterior	CT	216	Roofing Shingles w/Felt (B26)	1200	M/NF1		N	[+],B	
	CT	217	Roofing Shingles w/Felt (B26)		M/NF1		N	[+]	

MATERIALS:
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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: (if relevant)
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D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
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NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B26

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B26, Exterior	CU	218	Window Glazing (B26)	8EA/12SF	M/NF2		N	[+],B	
	CU	219	Window Glazing (B26)		M/NF2		N	([+])	
	EK	305	Transite Siding; Flat	200	M/NF2		N	[+]	
	EK	306	Transite Siding; Flat		M/NF2		N	([+])	

MATERIALS:
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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
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D - Damage
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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group | Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey | Functional Space: B01

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B01	AO	---	MAG Pipe Insulation	60 LF	T		Y	[+]	
	AO	---	MAG Pipe Insulation	500 SF	T		Y	[+]	Debris, see comments
	BA	124	Paper Pipe Insulation	10 LF	T		Y	([+])	
	BS	161	Aircell Pipe Insulation	40 LF	T		Y	[+]	
	BS	162	Aircell Pipe Insulation		T		Y	([+])	
	BS	163	Aircell Pipe Insulation		T		Y	([+])	
	BT	164	Window Glazing; Metal Frame (B01)	315 SF	M/NF2		N	[+],B	
	BT	165	Window Glazing; Metal Frame (B01)		M/NF2		N	([+])	
	BU	166	Window Glazing; Wood Frame (B01)	10EA/45SF	M/NF2		N	[+],B	
	BU	167	Window Glazing; Wood Frame (B01)		M/NF2		N	([+])	
	BV	168	Roofing; Asphalt (B01)	1225	M/NF1		N	[+]	
	BV	169	Roofing; Asphalt (B01)		M/NF1		N	[+]	

MATERIALS:
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NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
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FRIABLE:
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Approximately 500 SF of floor was observed to have pipe insulation debris as a result of vandelism.

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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B01

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B01	BW	170	Built-Up Roofing; (B01)	2000	M/NF1		N	[+]	Debris on ground
	BW	171	Built-Up Roofing; (B01)		M/NF1		N	[+]	
	DW	277	Built-Up Roofing #2 (B01)					0	
	DW	278	Built-Up Roofing #2 (B01)					0	
	DX	279	Roof Flashing, (B01) #2	900	M/NF1		N	[+],B	
	DX	280	Roof Flashing, (B01) #2		M/NF1		N	([+])	

MATERIALS:
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NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: (if relevant)
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
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FRIABLE:
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NF1/NF2 may be friable due to condition or may become friable during reno/demo

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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group | Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey | Functional Space: B02

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B02	A	---	Galbestos Corrugated Siding	50	M/NF1		N	[+]	
	AO	---	MAG Pipe Insulation	1200	T		Y	[+]	Debris, see comments
	AQ	---	Hard Fitting on Fiberglass Line					0	
	BA	---	Paper Pipe Insulation	10 LF	T		Y	[+]	
	DC	235	Felt Paper Wrap (over fiberglass)	145 LF	T		Y	[+]	
	DC	236	Felt Paper Wrap (over fiberglass)		T		Y	[+]	
	DC	237	Felt Paper Wrap (over fiberglass)		T		Y	[+]	
	DD	238	Window Glazing (B02)	140 SF	M/NF2		N	[+][0]	
	DD	239	Window Glazing (B02)		M/NF2		N	[+],B	
	DT	---	Window Glazing; Reinforced glass (B25/B02)	72 SF	M/NF2		N	[+]	
	EG	297	Built-Up Roofing; Flat (B02)					0	
	EG	298	Built-Up Roofing; Flat (B02)					0	

MATERIALS:
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NF1 - Non-friable Cat. I
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N/S = not suspect

CONDITION: [if relevant]
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D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
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Approx. 1,200 SF of floor was observed to have pipe insulation debris as a result of vandelism.

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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B02

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B02	EH	299	Built-Up Roofing; Sawtooth (B02)	2250	M/NF1		N	[+]	
	EH	300	Built-Up Roofing; Sawtooth (B02)		M/NF1		N	[+]	
	EI	301	Roof Flashing; Sawtooth (B02)	400	M/NF1		N	[+]	
	EI	302	Roof Flashing; Sawtooth (B02)		M/NF1		N	{[+]}	
	EJ	303	Flashing; Flat (B02)	475	M/NF1		N	[+]	
	EJ	304	Flashing; Flat (B02)		M/NF1		N	{[+]}	

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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: (if relevant)
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ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey

Functional Space: B11

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B11 (Steel Storage)	DH	246	Unfinished Drywall					0	
	DH	247	Unfinished Drywall					0	
	DI	248	Built-Up Roofing (B11)	1440	M/NF1		N	[+]	Portion of roof is collapsed
	DI	249	Built-Up Roofing (B11)		M/NF1		N	([+])	
	DJ	251	Rolled Roofing, Arched (B11)	3900	M/NF1		N	[+],B	
	DU	273	Built-Up Roofing #2 (B11)	5350	M/NF1		N	[+]	
	DU	274	Built-Up Roofing #2 (B11)		M/NF1		N	([+])	
	DV	275	Roof Flashing, (B11) #2					0	
	DV	276	Roof Flashing, (B11) #2					0	
B11 (WWT)	DJ	250	Rolled Roofing, Arched (B11)	2725	M/NF1		N	[+][0]	
	DK	252	Roof Flashing, Arched (B11)	500	M/NF1		N	[+],B	
	DK	253	Roof Flashing, Arched (B11)		M/NF1		N	([+])	

MATERIALS:
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ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B11

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
B11 (WWT)	DL	254	Fiberboard #5					0	
	DL	255	Fiberboard #5					0	
	DM	256	Window Glazing (B11)	17 SF	M/NF2		N	[+],B	
	DM	257	Window Glazing (B11)		M/NF2		N	{[+]}	

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Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group | Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey | Functional Space: B10

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B10	CL	---	Fiberboard #4					0	
	CM	---	1'x1' Ceiling Tile & mastic; Patterned Hole #3					0	
	DF	242	12"x12" Floor Tile & mastic; Stone Pattern & Red 12"x12" Floor Tile (double layer)	130	M/NF1		N	[+][M]	
	DF	243	12"x12" Floor Tile & mastic; Stone Pattern & Red 12"x12" Floor Tile (double layer)		M/NF1		N	{[+]}	
	DE	240	Window Glazing (B10)	665 SF	M/NF2		N	[+],B	
	DE	241	Window Glazing (B10)		M/NF2		N	{[+]}	
	DY	281	Built-Up Roofing #2 (B10)					0	
	DY	282	Built-Up Roofing #2 (B10)					0	
	DZ	283	Roof Flashing, (B10)	2250	M/NF1		N	[+][0]	
	DZ	284	Roof Flashing, (B10)		M/NF1		N	[+]	

MATERIALS:

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{[+]} = one sample confirmed ACM, any remaining samples not required to be analyzed
[+][0], [+][0,B] = Sample non-ACM or trace but at least one other sample from Group confirmed ACM; Group considered ACM
[+][M] = Floor Tile non-ACM; Mastic ACM (Group as a whole considered ACM for removal purposes)

EA GROUP
7118 Industrial Park Blvd.
Mentor, OH 44060-5314
(440) 951-3514

EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B23 and B33

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B23	DP	262	Window Glazing (B23/B33)	150 SF	M/NF2		N	[+],B	
	EA	285	Built-Up Roofing (B23/B33)	1300	M/NF1		N	[+]	
	EB	287	Roof Flashing, (B23/B33)	350	M/NF1		N	[+][0]	
B33	AO	---	MAG Pipe Insulation	13 LF	T		Y	[+]	Material is covered by DQ
	DP	263	Window Glazing (B23/B33)	60 SF	M/NF2		N	([+])	
	DQ	264	Heavy Pipe Wrap					0	Wrap over ACM AO
	DQ	265	Heavy Pipe Wrap					0	
	EA	286	Built-Up Roofing (B23/B33)	460	M/NF1		N	([+])	
	EB	288	Roof Flashing, (B23/B33)	100	M/NF1		N	[+]	

MATERIALS:
TYPE:
S - Surfacing
T - Thermal
M - Miscellaneous
NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: (if relevant)
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
N = not RACM by definition
NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
0 - Non-ACM
[+] = ACM [no other assessment required]
B = Verified by layering/point counting

COMMENTS:

([+]) = one sample confirmed ACM, any remaining samples not required to be analyzed
[+][0], [+][0,B] = Sample non-ACM or trace but at least one other sample from Group confirmed ACM; Group considered ACM

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EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Project: Pre-Demolition Asbestos Survey

Functional Space: B25

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material Type	Material Cond	FRIABLE	RESULT	NOTES
B25	CL	---	Fiberboard #4					0	
	CM	---	1'x1' Ceiling Tile & mastic; Patterned Hole #3					0	
	DR	266	Hard Fitting on fiberglass line #2					0	
	DR	267	Hard Fitting on fiberglass line #2					0	
	DR	268	Hard Fitting on fiberglass line #2					0	
	DS	269	Window Glazing (B25)	730 SF	M/NF2		N	[+][0]	
	DS	270	Window Glazing (B25)		M/NF2		N	[+],B	
	DT	271	Window Glazing; Reinforced glass (B25/B02)	84 SF	M/NF2		N	[+],B	
	DT	272	Window Glazing; Reinforced glass (B25/B02)		M/NF2		N	([+])	
	EC	289	Built-Up Roofing (B25)	4200	M/NF1		N	[+]	
	EC	290	Built-Up Roofing (B25)		M/NF1		N	([+])	

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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: (if relevant)
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
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RESULT:
0 - Non-ACM
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B = Verified by layering/point counting

COMMENTS:

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[+][0], [+][0,B] = Sample non-ACM or trace but at least one other sample from Group confirmed ACM; Group considered ACM

EA GROUP
7118 Industrial Park Blvd.
Mentor, OH 44060-5314
(440) 951-3514

EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group	Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio
Project: Pre-Demolition Asbestos Survey	Functional Space: B25

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
B25	ED	291	Roof Flashing, (B25)	980	M/NF1		N	[+]	
	ED	292	Roof Flashing, (B25)		M/NF1		N	[+]	
	EE	293	Built-Up Roofing #2 (B25)	8400	M/NF1		N	[+],B	
	EE	294	Built-Up Roofing #2 (B25)		M/NF1		N	([+])	
	EF	295	Roof Flashing #2 (B25)	1200	M/NF1		N	[+]	
	EF	296	Roof Flashing #2 (B25)		M/NF1		N	([+])	

MATERIALS:
TYPE:
S - Surfacing
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M - Miscellaneous
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NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: [if relevant]
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
N = not RACM by definition
NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
0 - Non-ACM
[+] = ACM [no other assessment required]
B = Verified by layering/point counting

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[+][0], [+][0,B] = Sample non-ACM or trace but at least one other sample from Group confirmed ACM; Group considered ACM

EA GROUP
7118 Industrial Park Blvd
Mentor, OH 44060-5314
(440) 951-3514

EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

Survey Date(s): 9/10/18 - 9/17/18

ASBESTOS INSPECTION DATA SHEET

Client: BRG Group

Project: Pre-Demolition Asbestos Survey

Building: Simonds Cutting Tools, 641 Heller Drive, Newcomerstown, Ohio

Functional Space: B20/B32 and B15/B29/B16 Debris Piles

LOCATION	Group	ID # OH42143	MATERIAL DESCRIPTION	Quantity	Material		FRIABLE	RESULT	NOTES
					Type	Cond			
B20/B32 Debris Piles	BD	---	Asphalt Siding w/ Felt Paper	900 CF	M/NF1		N	[+]	Quantity reflects area footprint, see comments
	DN	258	Built-Up Roofing Debris Pile (B20)					0	
	DN	259	Built-Up Roofing Debris Pile (B20)					0	
	DO	260	Rolled Roofing, Asphalt w/ Silvercoat	900 CF	M/NF1		N	[+]	Quantity reflects area footprint, see comments
	DO	261	Rolled Roofing, Asphalt w/ Silvercoat		M/NF1		N	([+])	
B15/B29/B16 Debris Piles	BJ	141	Roofing Debris (B15/B29/B16)					0	
	BJ	142	Roofing Debris (B15/B29/B16)					0	

MATERIALS:
TYPE:
S - Surfacing
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M - Miscellaneous
NF1 - Non-friable Cat. I
NF2 - Non-friable Cat. II
N/S = not suspect

CONDITION: (if relevant)
ND - No Damage
D - Damage
SD - Significant Damage

QUANTITY = Square Feet unless noted
LF = Linear Feet; EA = each

FRIABLE:
Y = Regulated ACM (RACM) by definition
N = not RACM by definition
NF1/NF2 may be friable due to condition or may become friable during reno/demo

RESULT:
0 - Non-ACM
[+] = ACM (no other assessment required)
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COMMENTS:

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Approximately 900 cubic feet of debris, largely comprised of non-ACM masonry and wood

EA GROUP
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Mentor, OH 44060-5314
(440) 951-3514

EAG Technician(s): M. Kovell, C. Brown ES 34424/35176 EAG OH42143

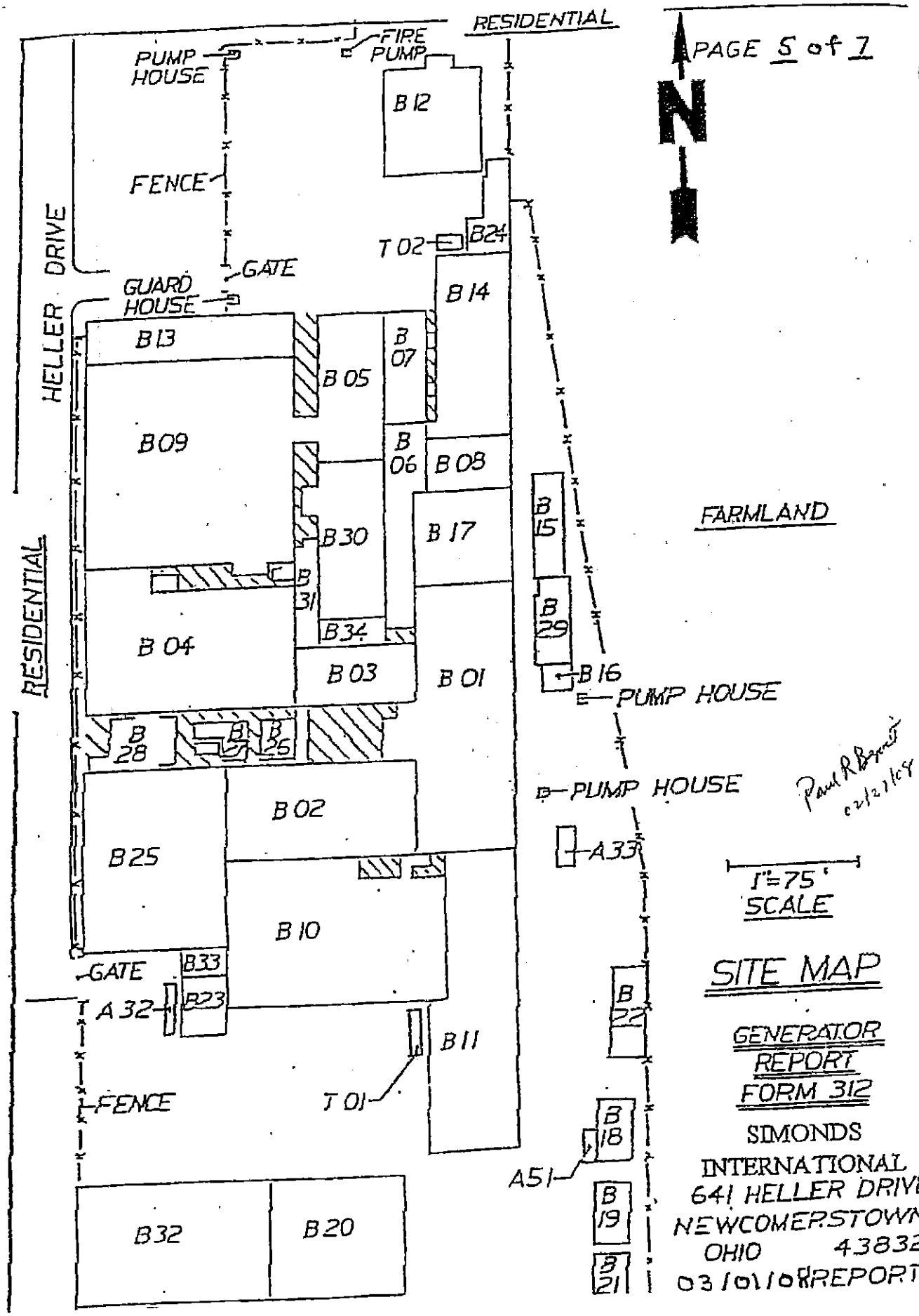
Survey Date(s): 9/10/18 - 9/17/18

EA GROUP

Environmental Analysis
and Management

APPENDIX B

Drawings



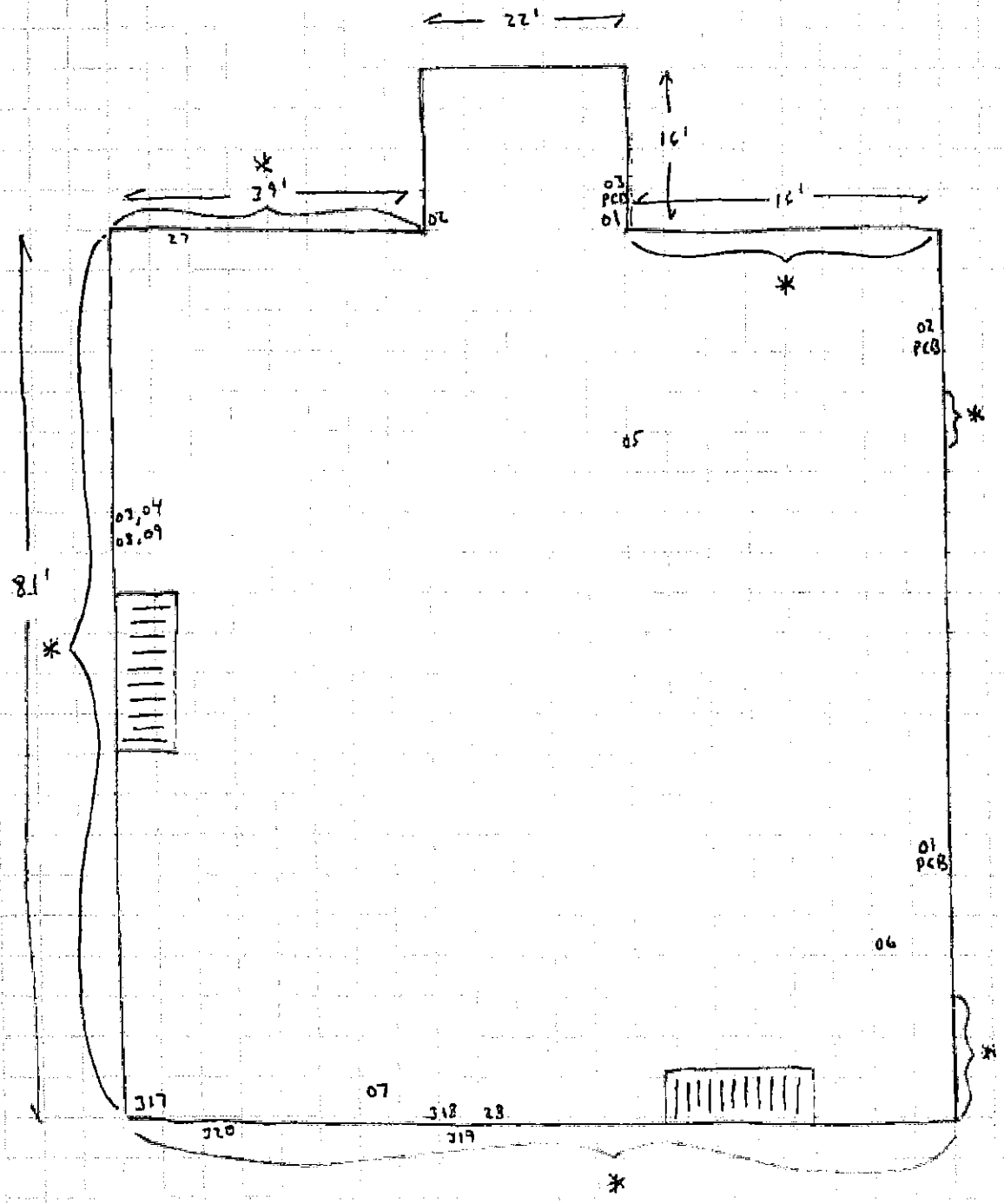
Paul R Bryant 02/2/10

SITE MAP

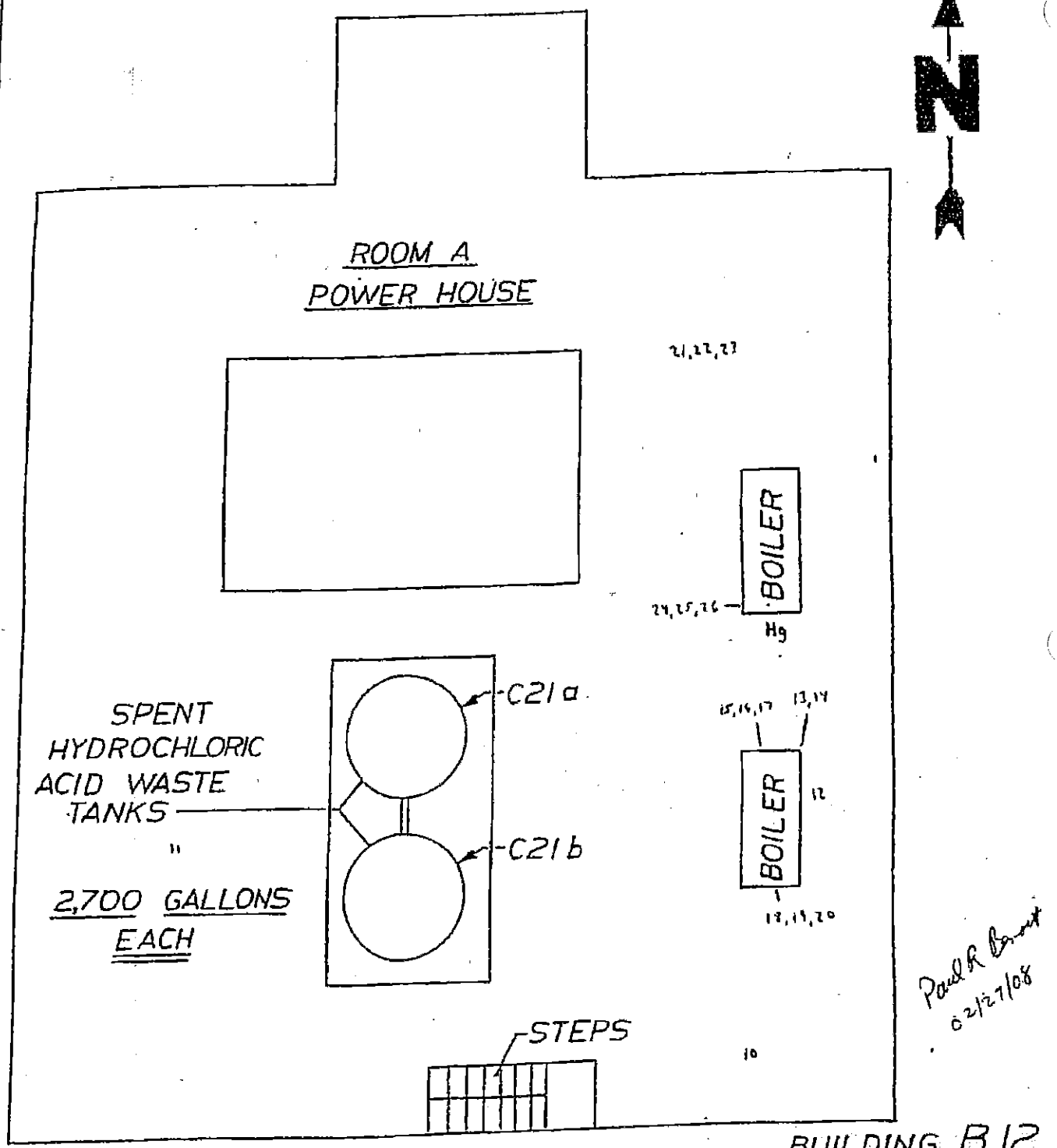
GENERATOR REPORT FORM 312

SIMONDS INTERNATIONAL
641 HELLER DRIVE
NEWCOMERSTOWN
OHIO 43832
03/01/10 REPORT

N↑ EA GROUP	Work Order: OH42173	
	Date: 9/10/18	Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram, B12		



* Windows Elevated Transite Siding on N & S Galvanized Siding



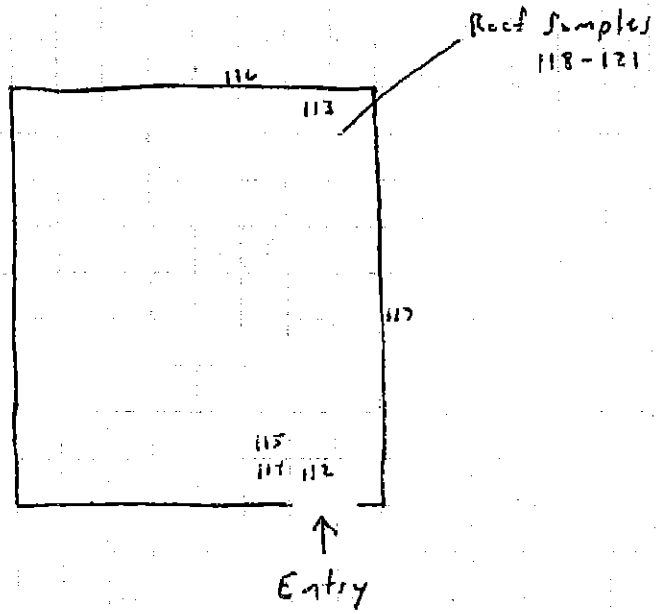
Paul R Brant
02/27/08

BUILDING B12
FIRST FLOOR
BELOW GRADE "A"
8,000 SQ. FT.

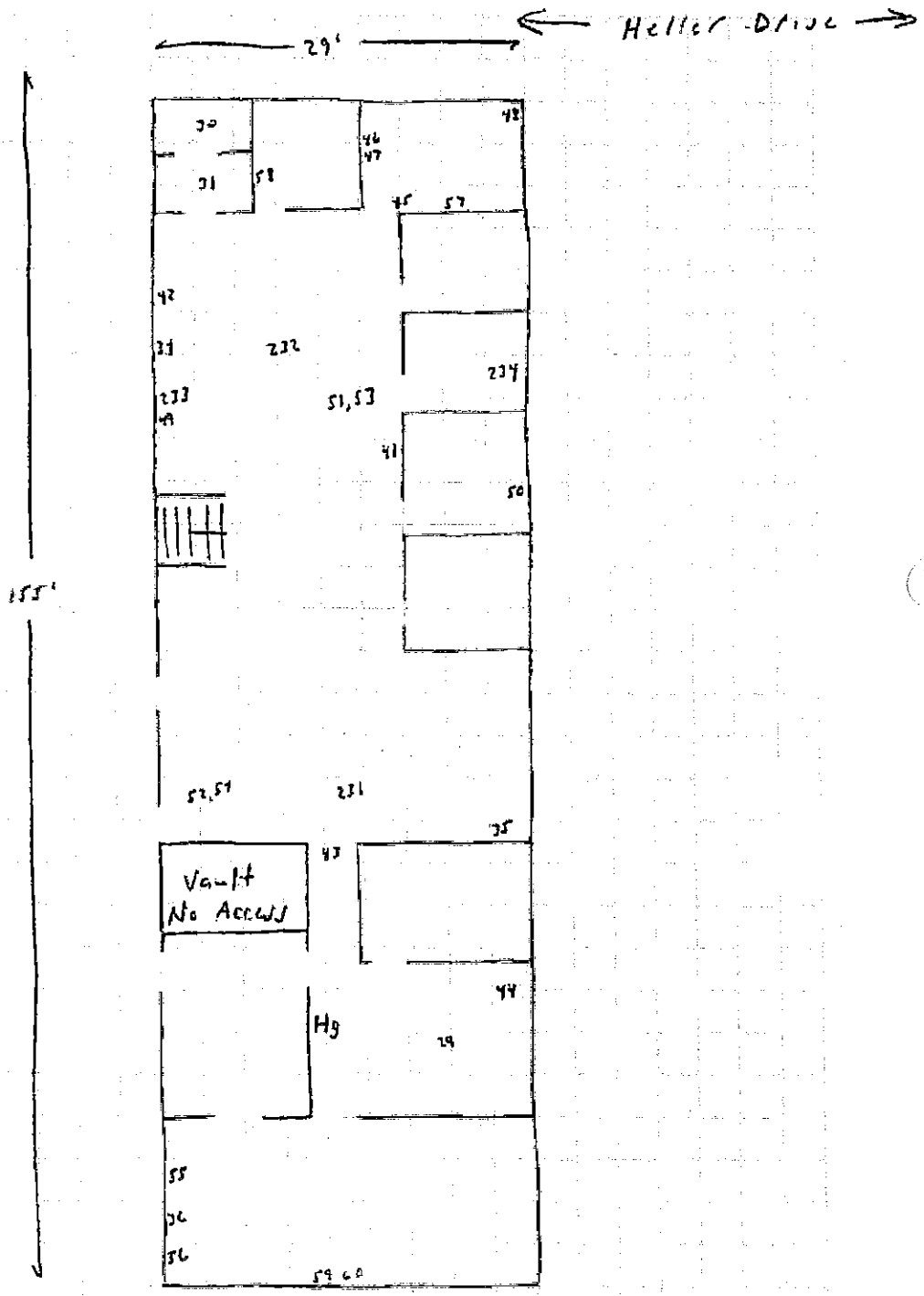
1"=125'
SCALE

SIMONDS INTERNATIONAL
641 HELLER DRIVE
NEWCOMERSTOWN, OHIO

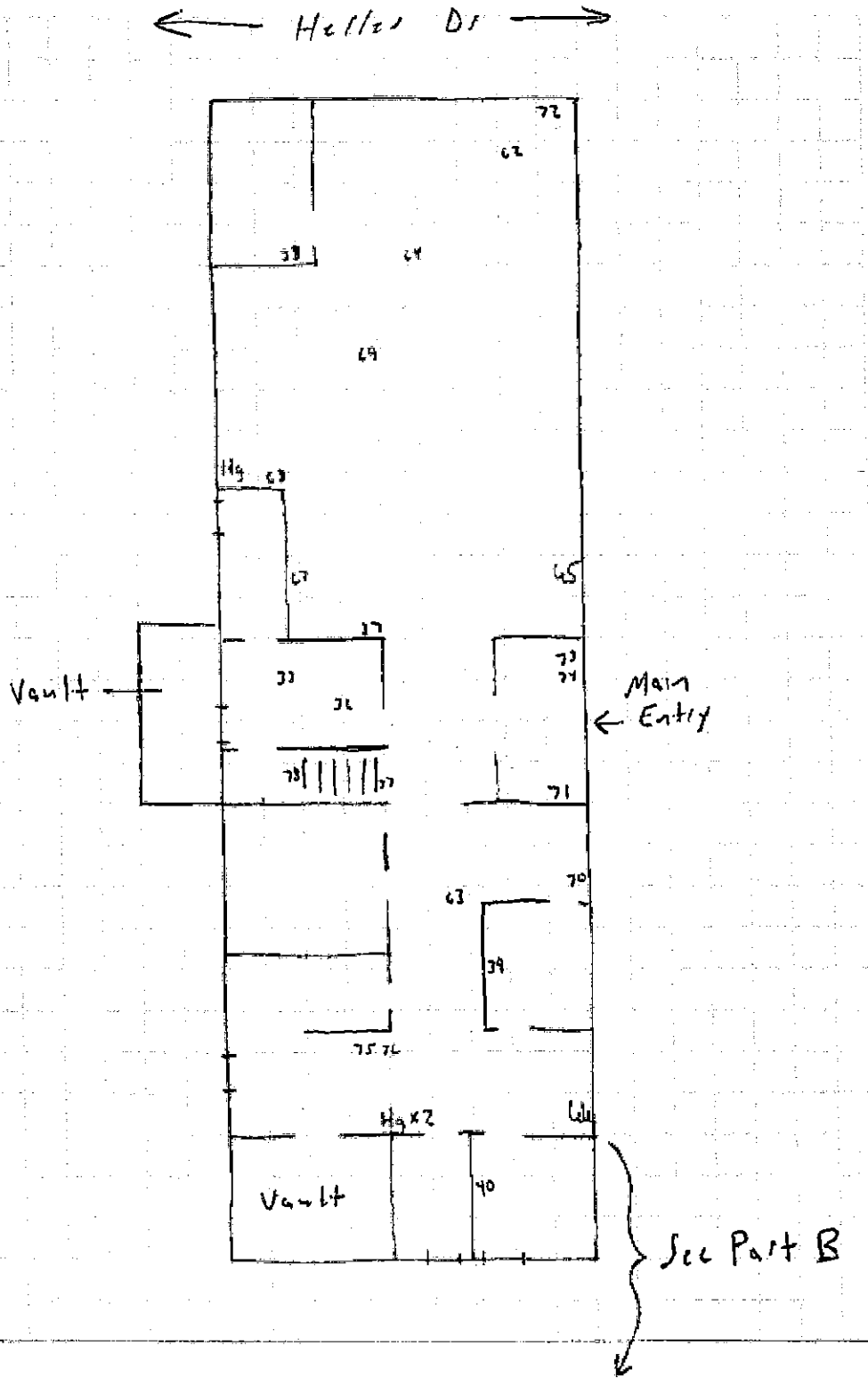
N↑ EAGROUP	Work Order: 0H42143	
	Date: 9/11/18	Prepared By: Kovell
	Project: BRB - Jimenez Cutting Tools	
Title: Sample location diagram, Guard House		



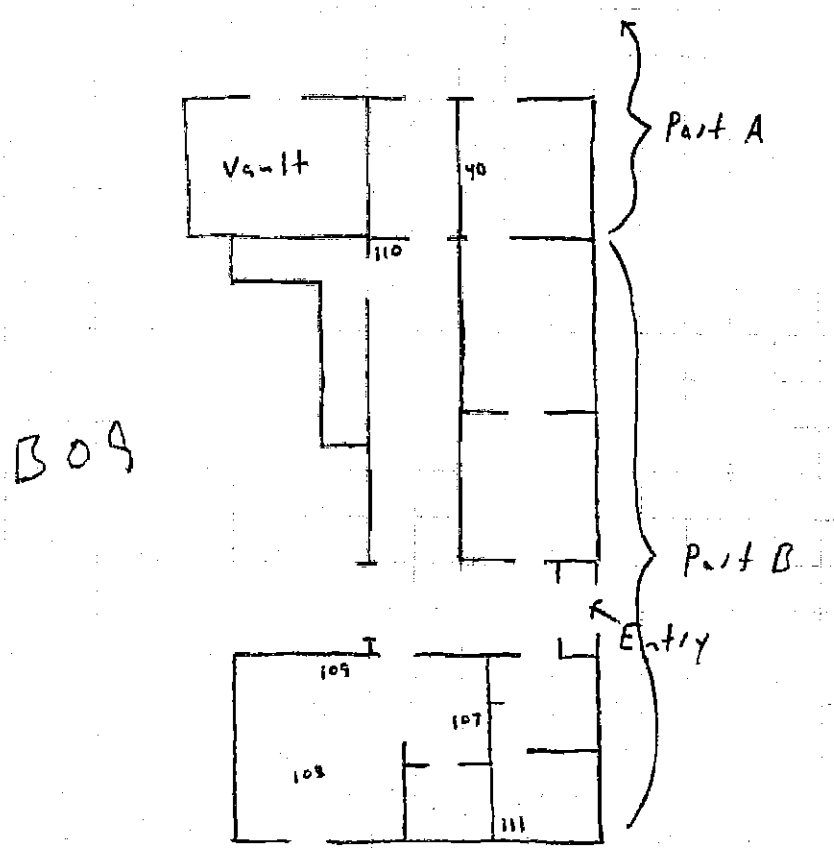
N → EA GROUP	Work Order: OH42173	
	Date: 9/10/18	Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram, B13, 2nd Fl		



N → EA GROUP	Work Order: OH42173	
	Date: 9/10/13	Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram, B13, 1st Fl, Part A		

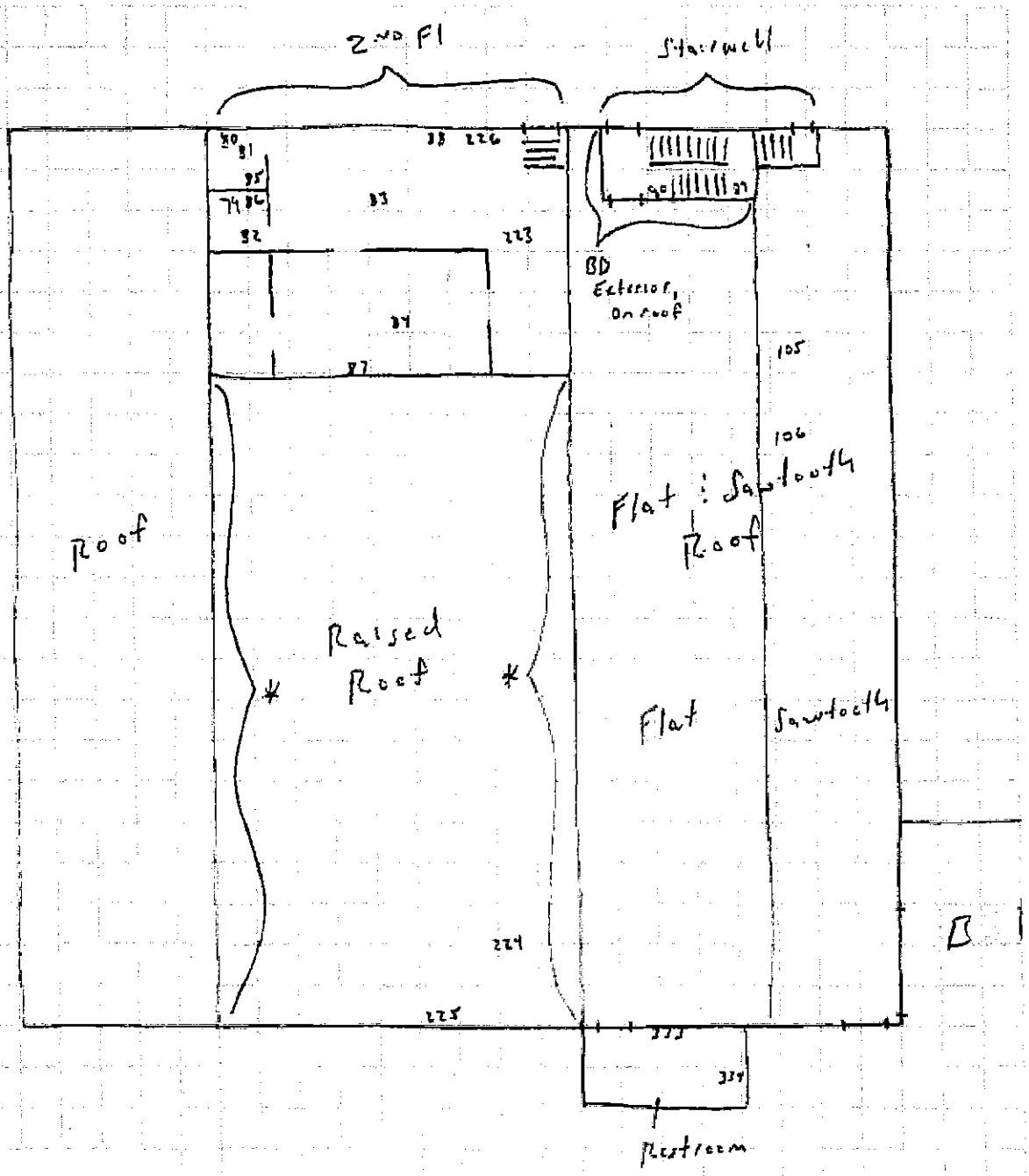


N → EA GROUP	Work Order: OH42143	
	Date: 9/10/18	Prepared By: Icovell
	Project: BR6 - Simonds, Cutting Tools	
Title: Sample location diagram, 013, 1st Fl, Part B		



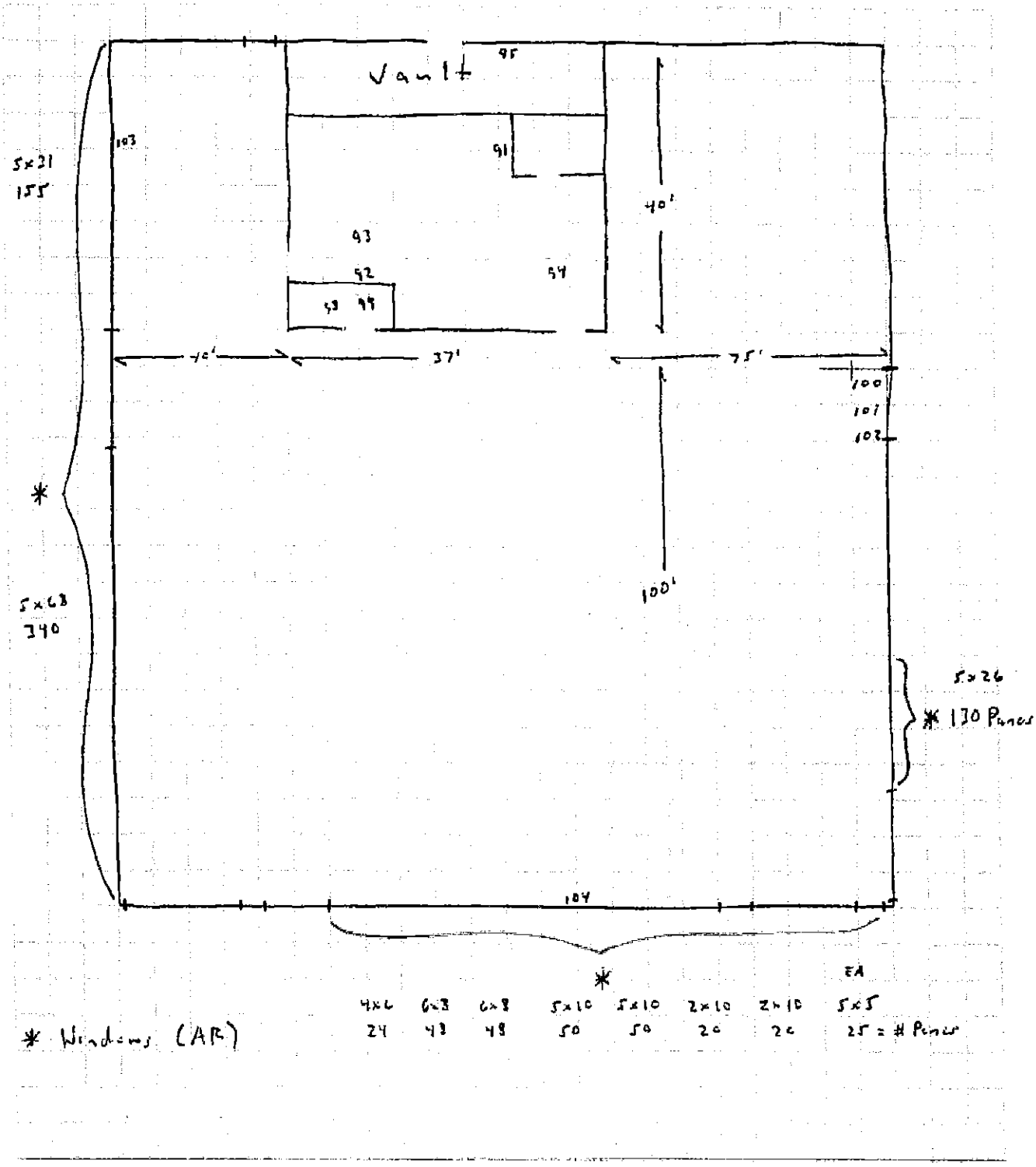
B09

N ↑ EA GROUP	Work Order: OH42143	
	Date: 9/11/18	Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram - B09 2nd Fl		

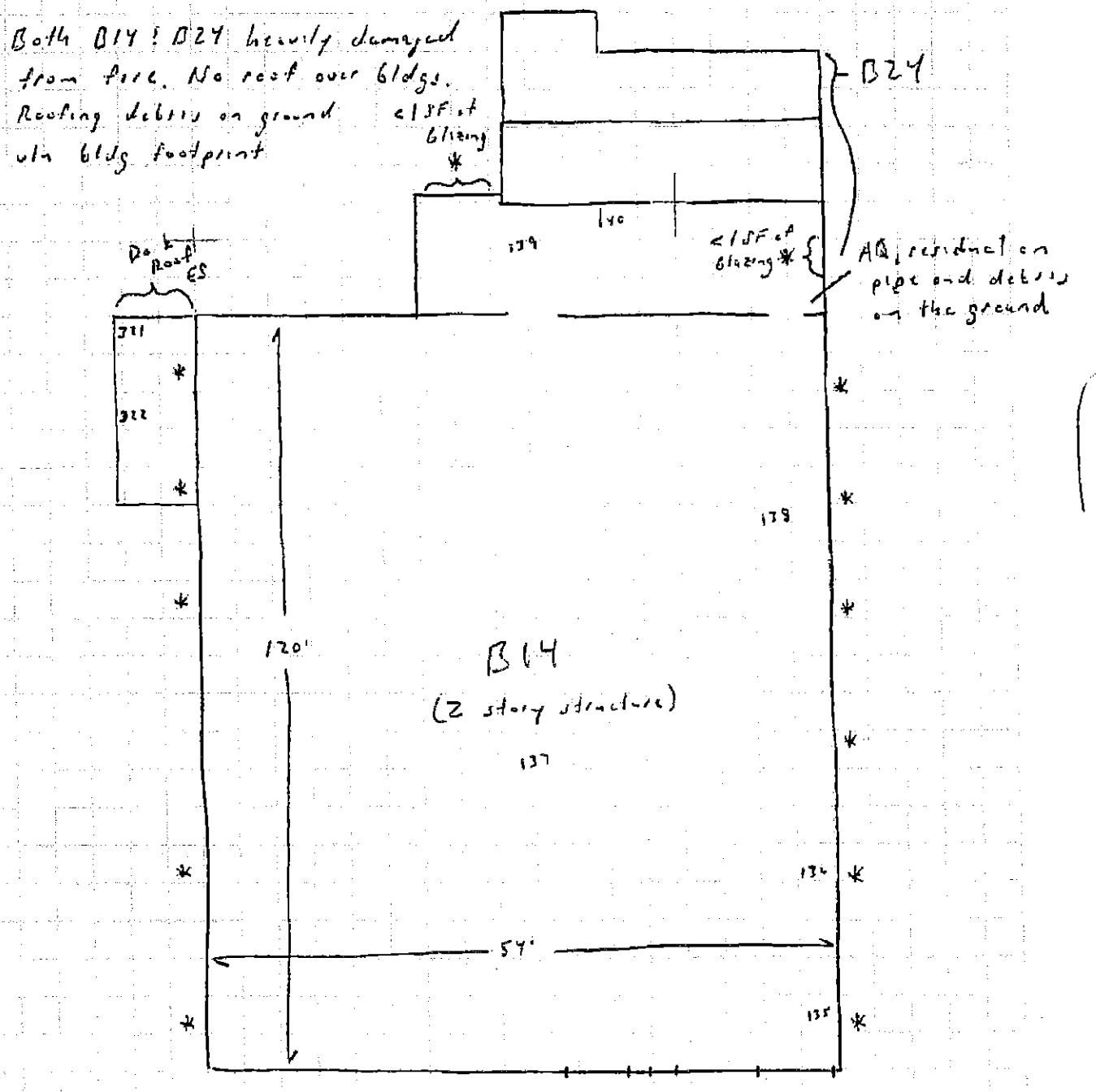


* Windows (AR) 474 Panes
Sawtooth Windows (AS)

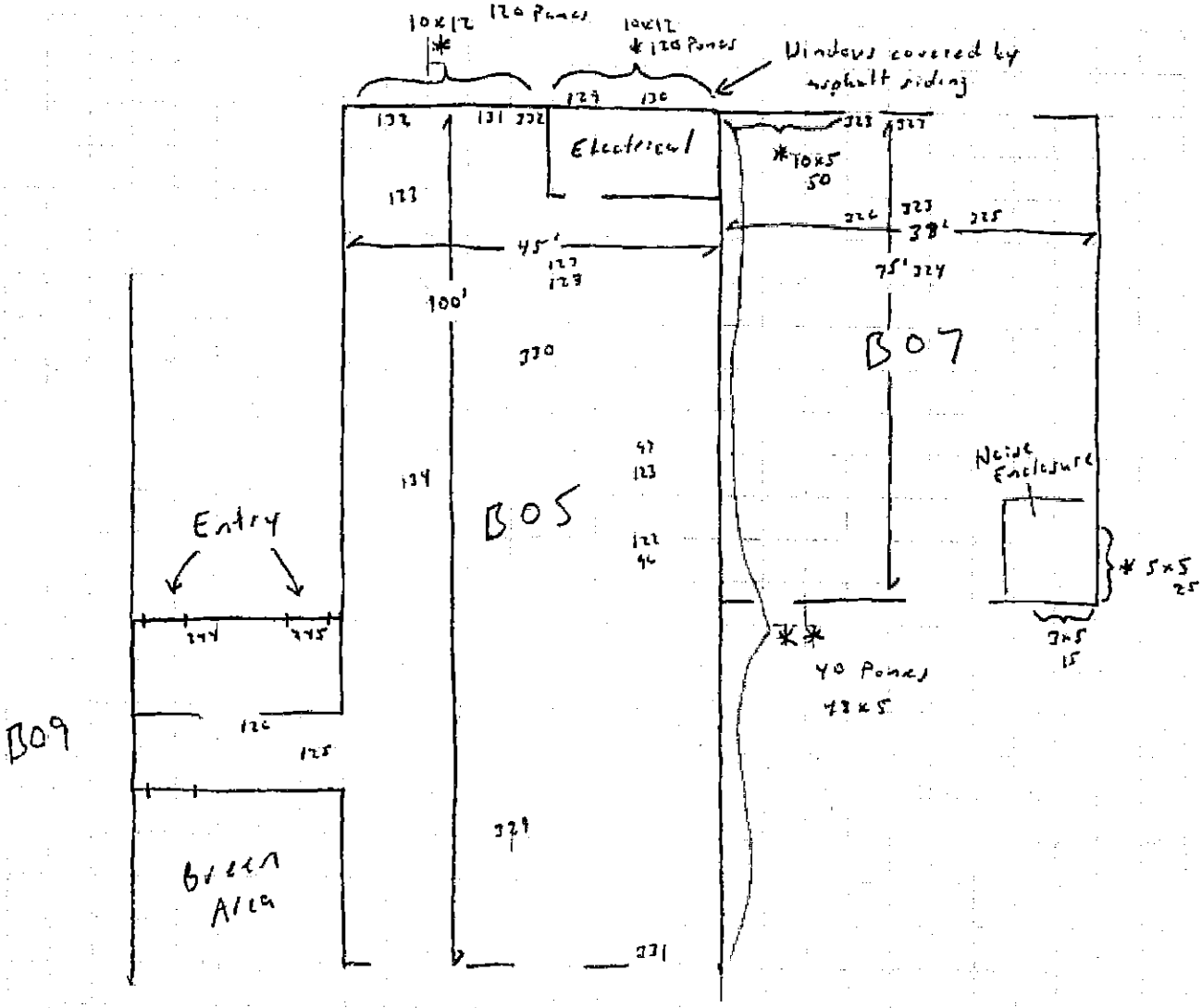
N↑ EA GROUP	Work Order: OH42143
	Date: 9/11/18 — Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools
Title: Sample location diagram - B09 1ST FL	



N ↑ EA GROUP	Work Order: OH42143	
	Date: 9/11/18	Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram, B14 & B24		



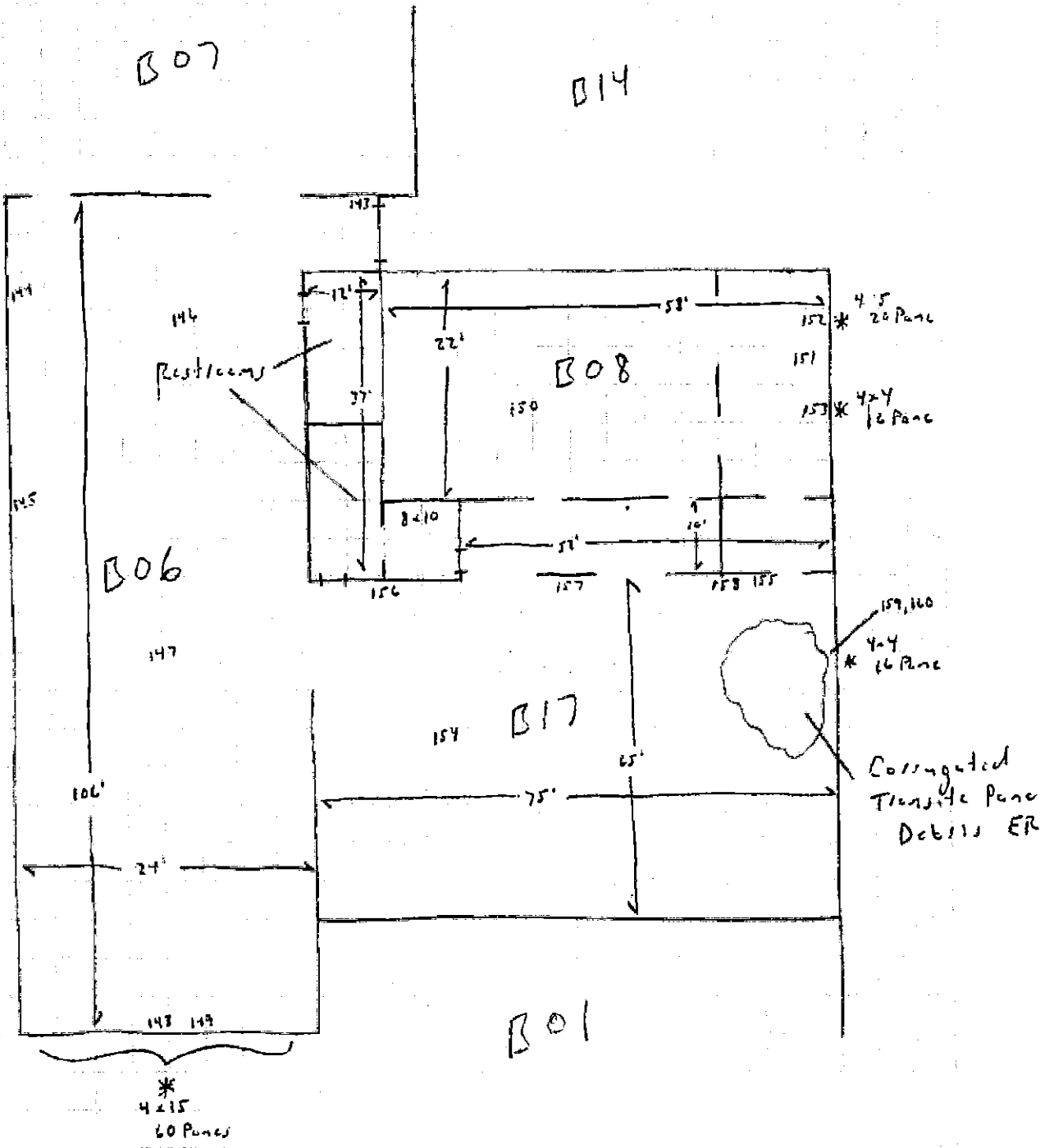
N ↑ EA GROUP	Work Order: OH42143	
	Date: 9/11/18	Prepared By: Kovell
	Project: Simonds Cutting Tools	
Title: Sample location diagram, B05 : B07		



* Windows

** Windows, Upper, some w/ damaged frames, falling out

N ↑ EAGROUP	Work Order: OH42143	
	Date: 9/11/18	Prepared By: Kovels
	Project: BR6 - Simonds Cutting Tools	
Title: Sample location diagram, B06, B08 & B17		

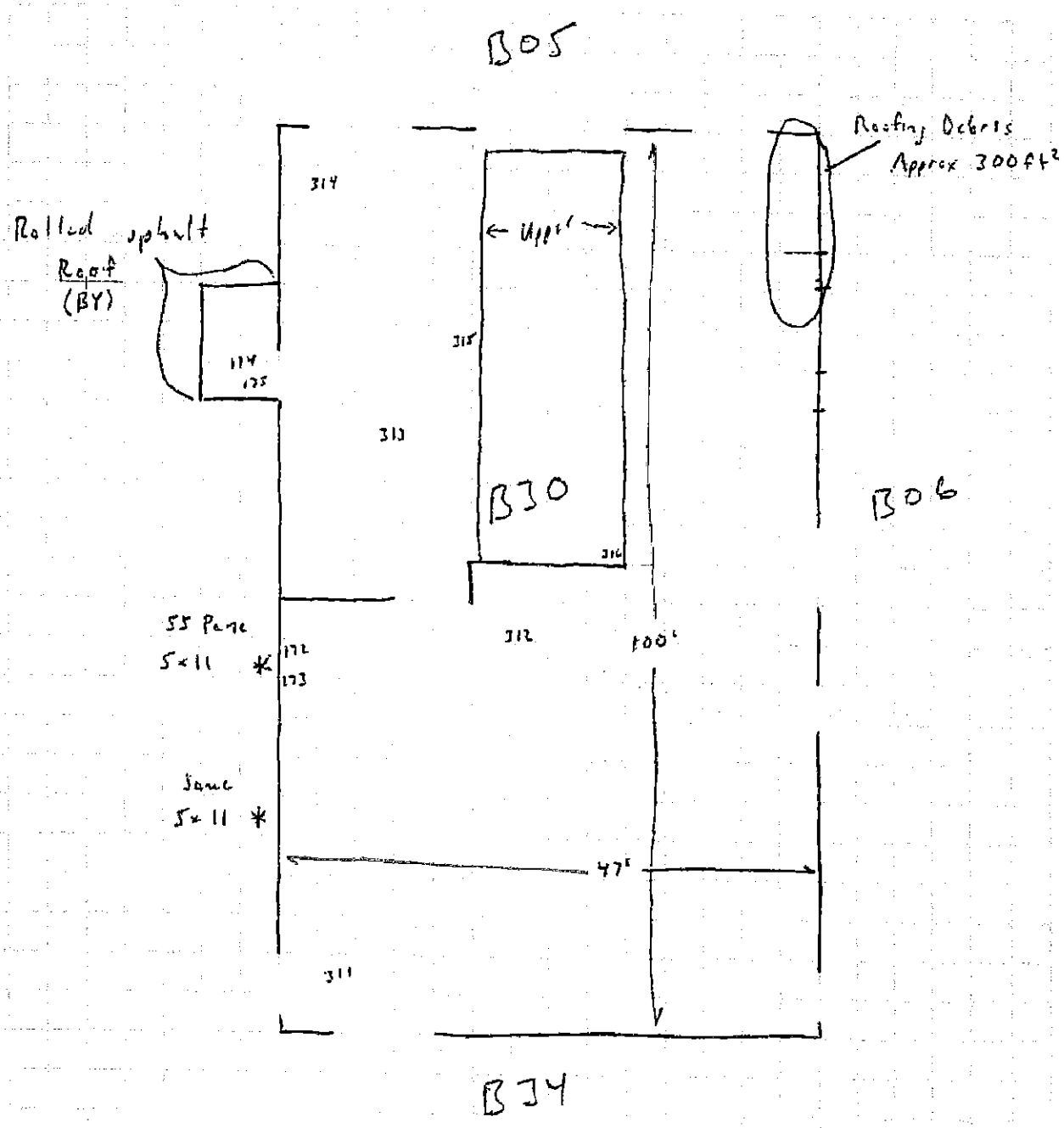


* Window

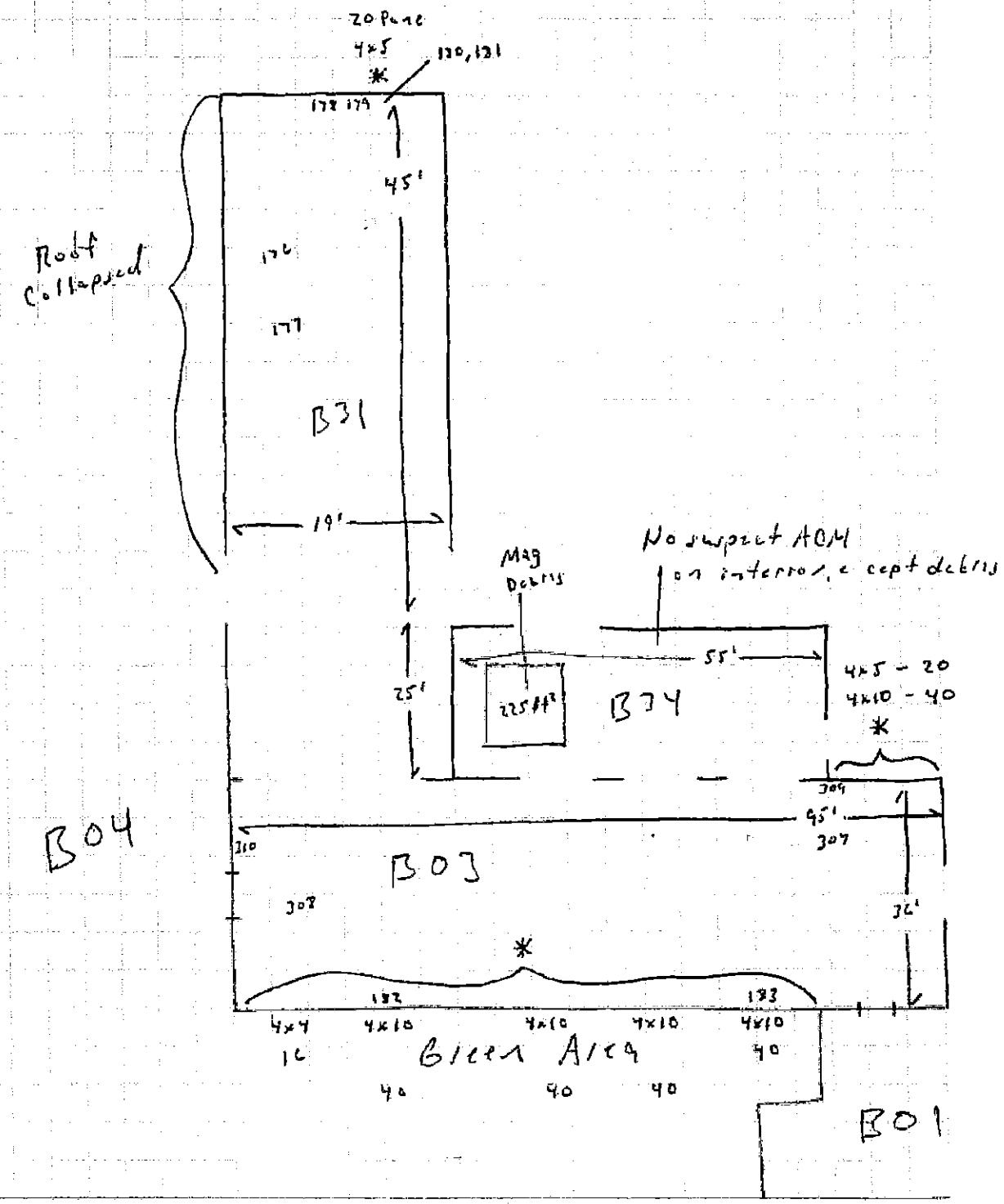
N ↑

EA GROUP

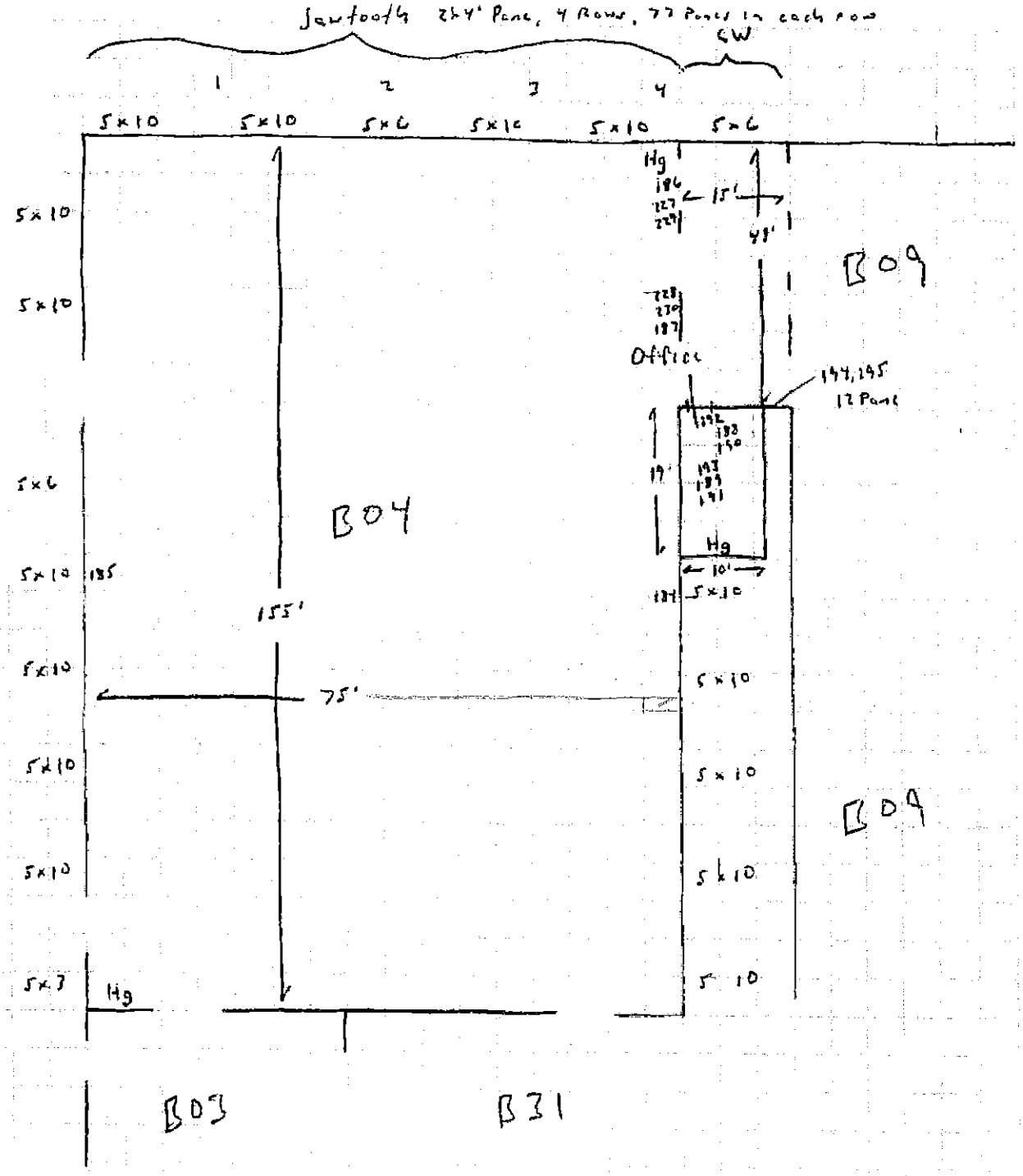
Work Order:	OH42143
Date: 9/12/18	Prepared By: Kovell
Project:	BR6 - Simonds Cutting Tools
Title:	Sample location diagram - B30



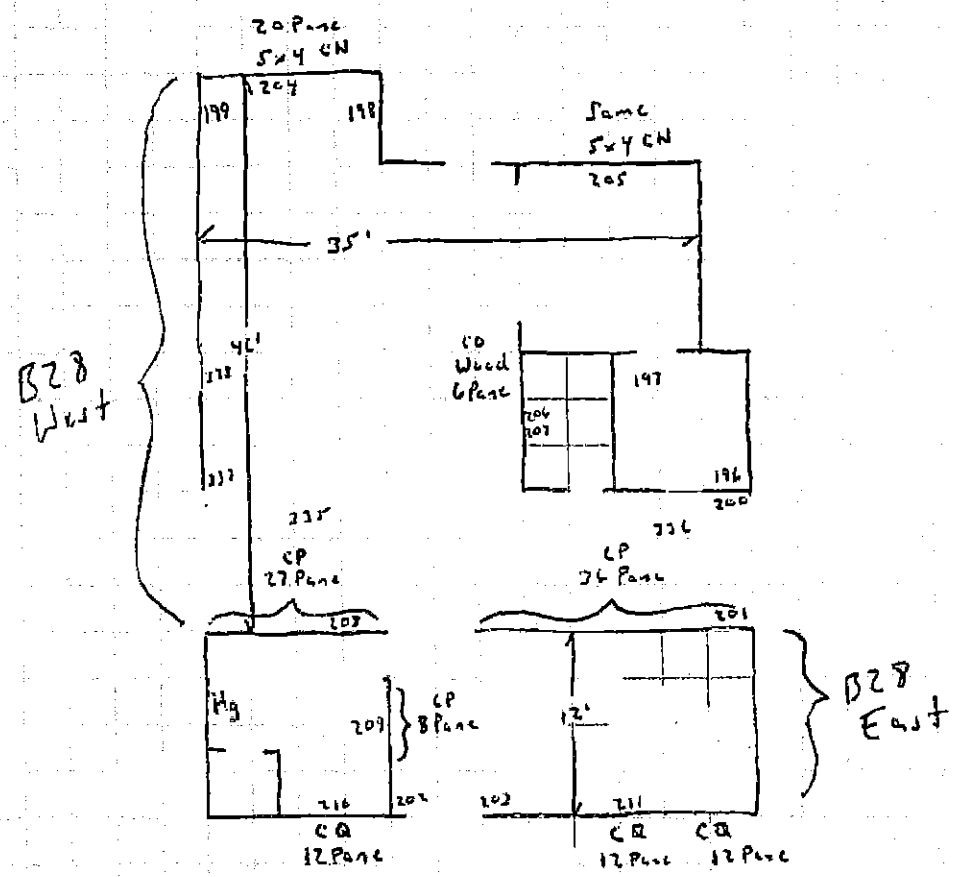
N ↑ EAGROUP	Work Order: OH42143	
	Date: 9/12/13	Prepared By: Kovell
	Project: BR6 - Simonds Cutting Tools	
Title: Sample location diagram, B03, B31 : B34		

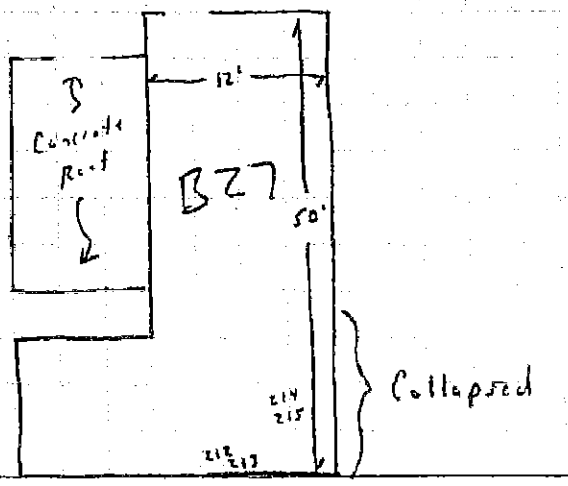


EA GROUP	Work Order: OH42143
	Date: 9/12/18 — Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools
Title: Sample location diagram, B04	



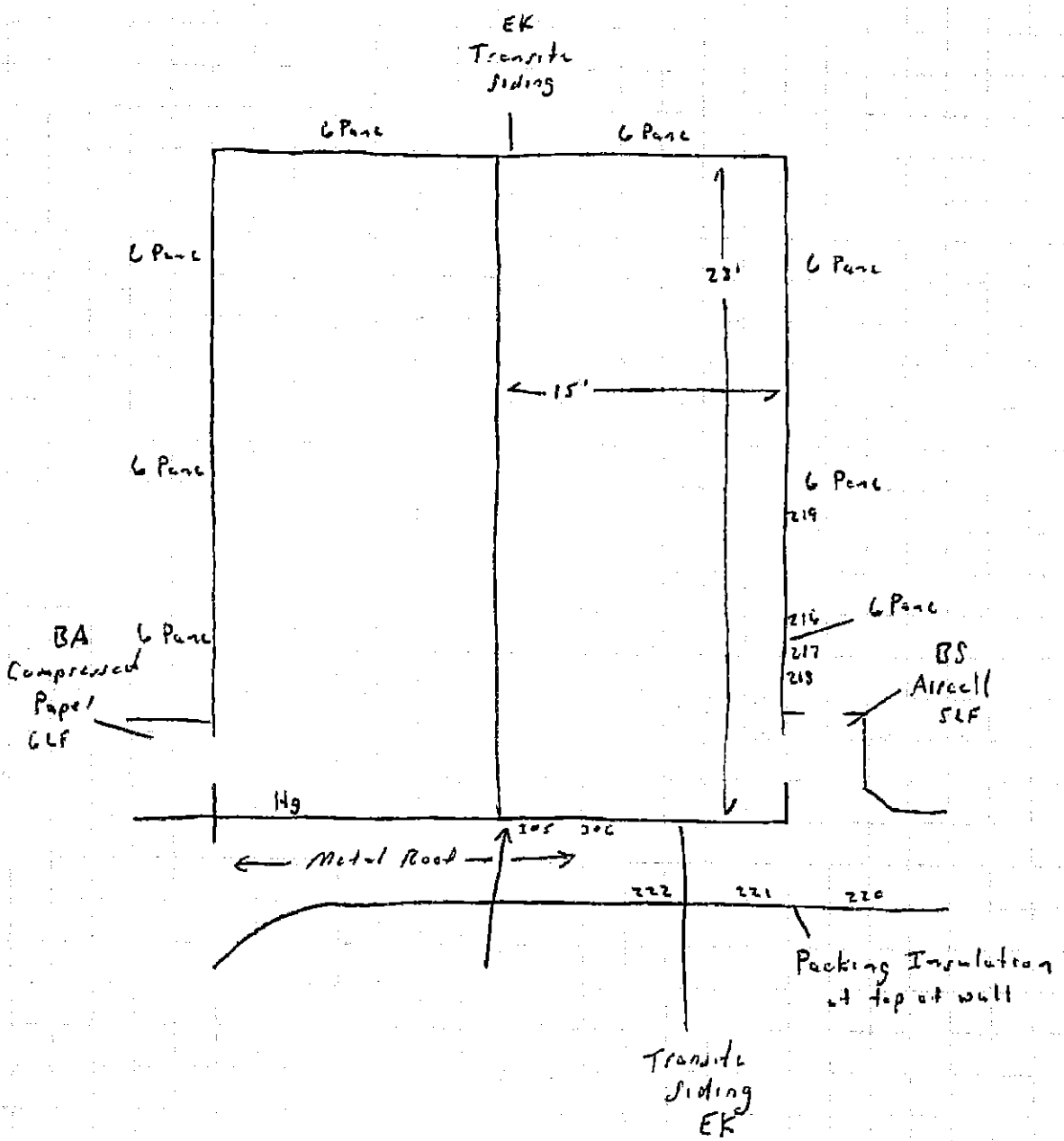
N → EA GROUP	Work Order: OH42143	
	Date: 9/12/18	Prepared By: Kovell
	Project: BR6 - Simonds Cutting Tools	
Title: Sample location diagram, B28 & B27		



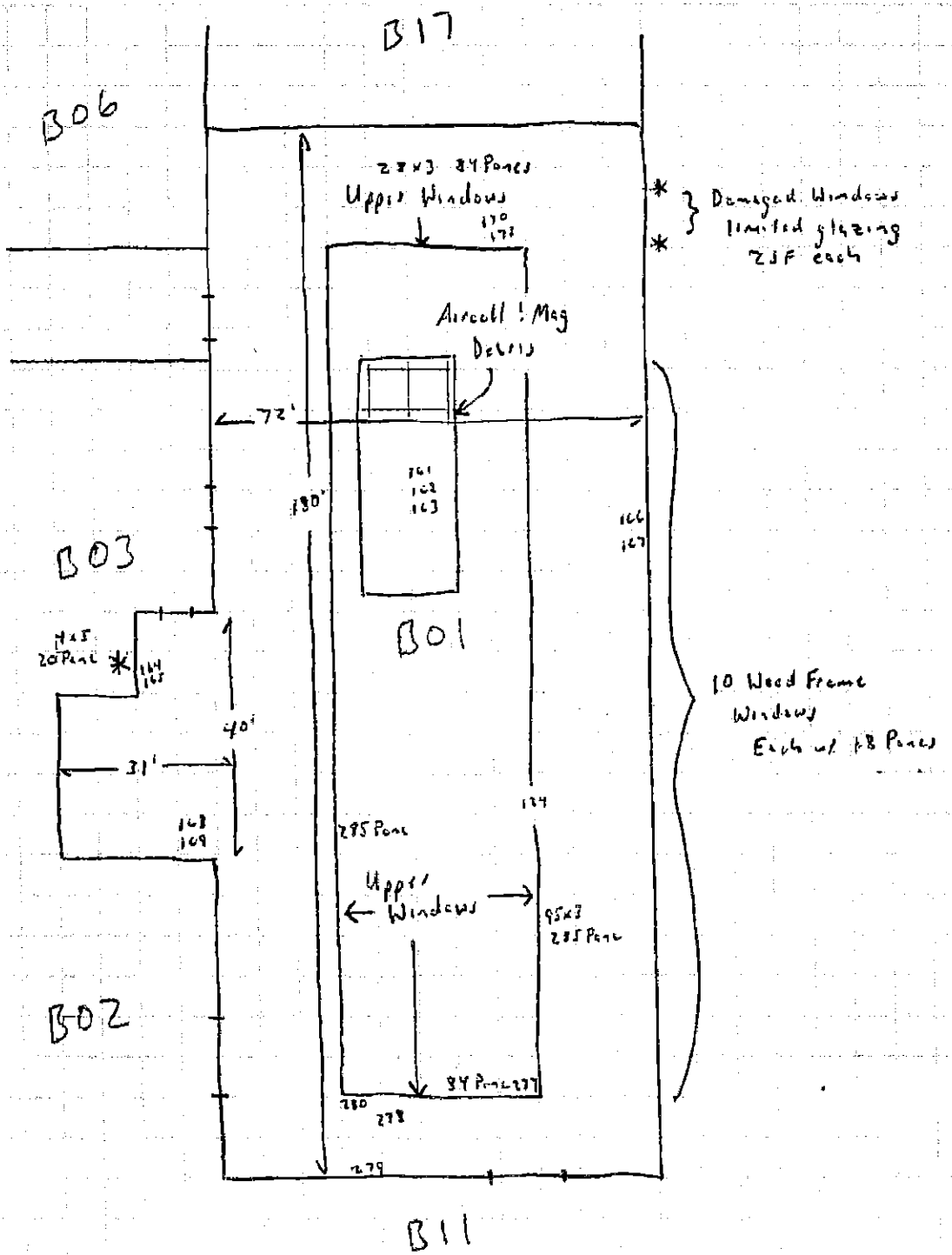


Window is on ground w/ debris. Dangerous area

N → EA GROUP	Work Order: OH42143	
	Date: 9/12/18	Prepared By: Kovell
	Project: Simonds Cutting Tools	
Title: Sample location diagram, B26 & Corridor		

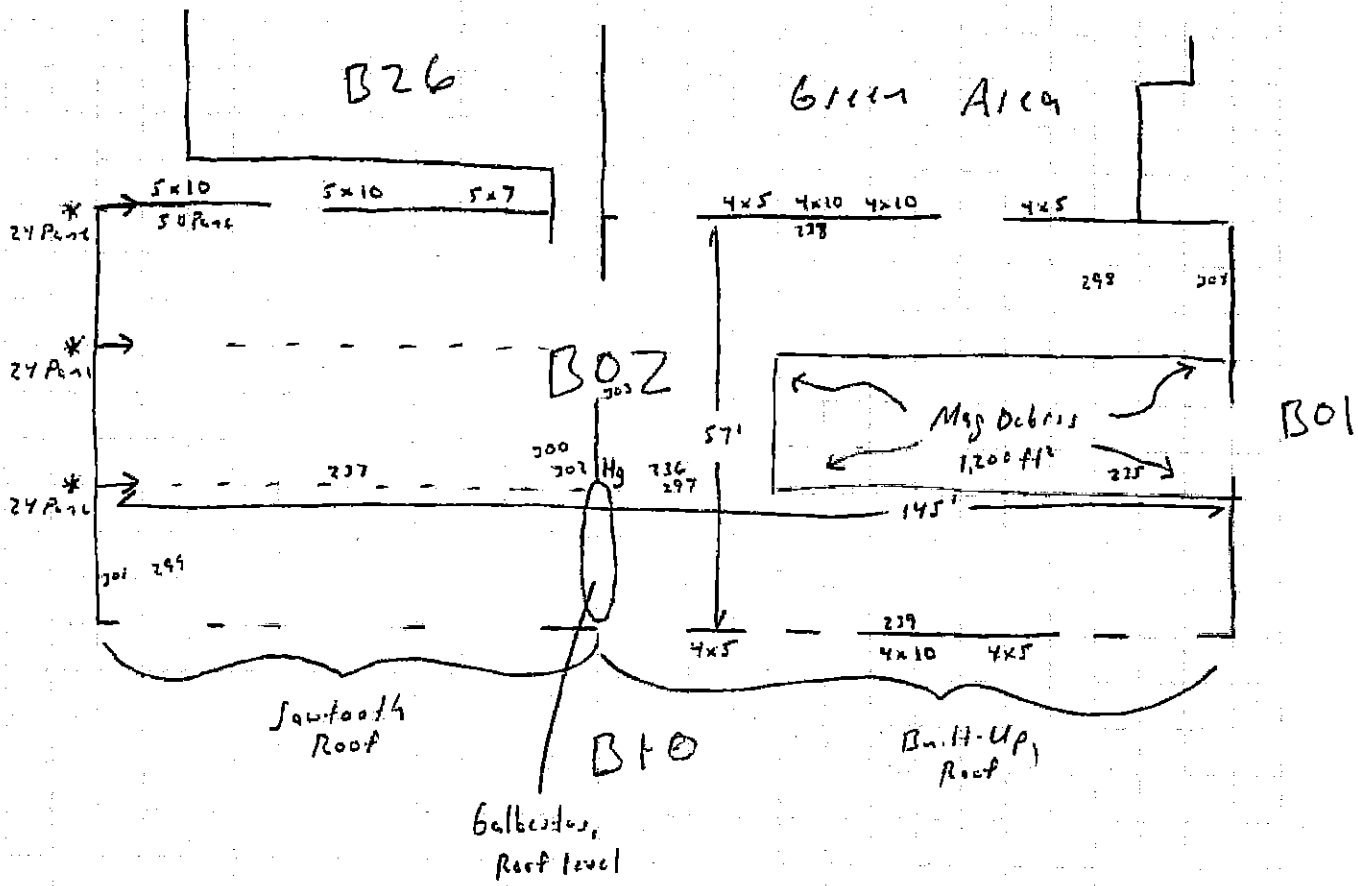


N ↑ EA GROUP	Work Order: OH42143	
	Date: 9/11/18	Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram, B01		

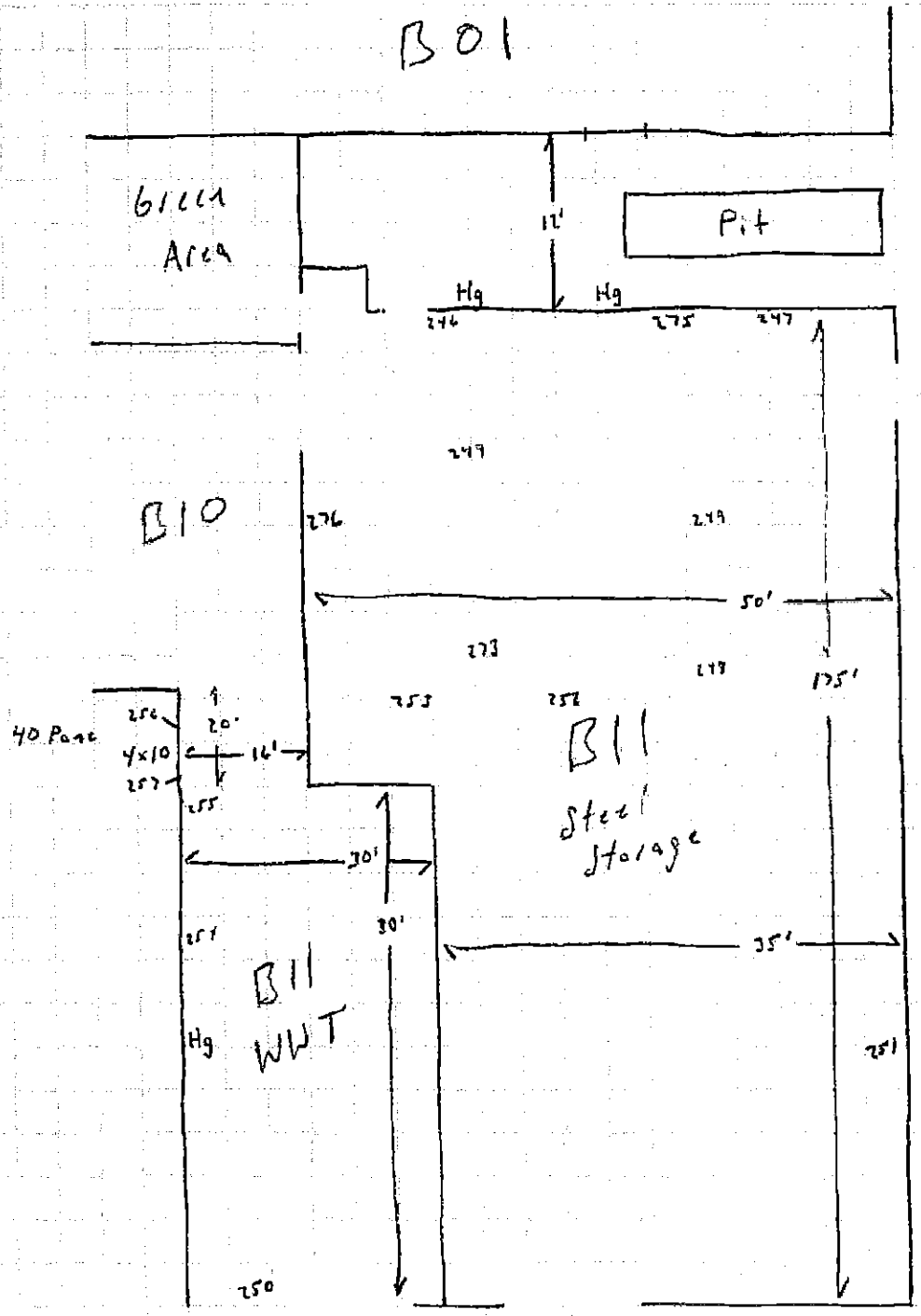


* Window Metal Frame

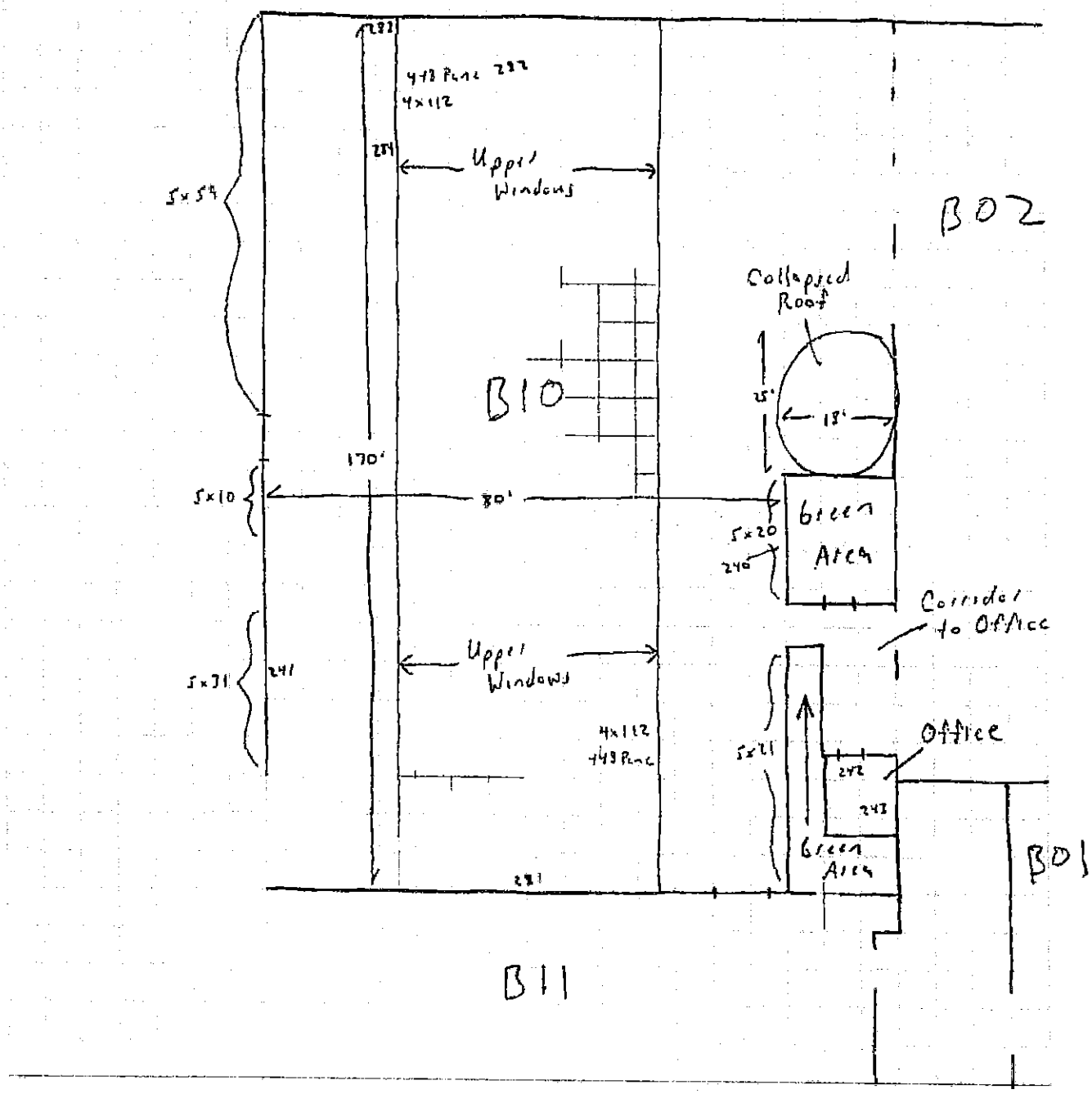
N ↑ EA GROUP	Work Order: OH42143	
	Date: 9/12/18	Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram, BO2		



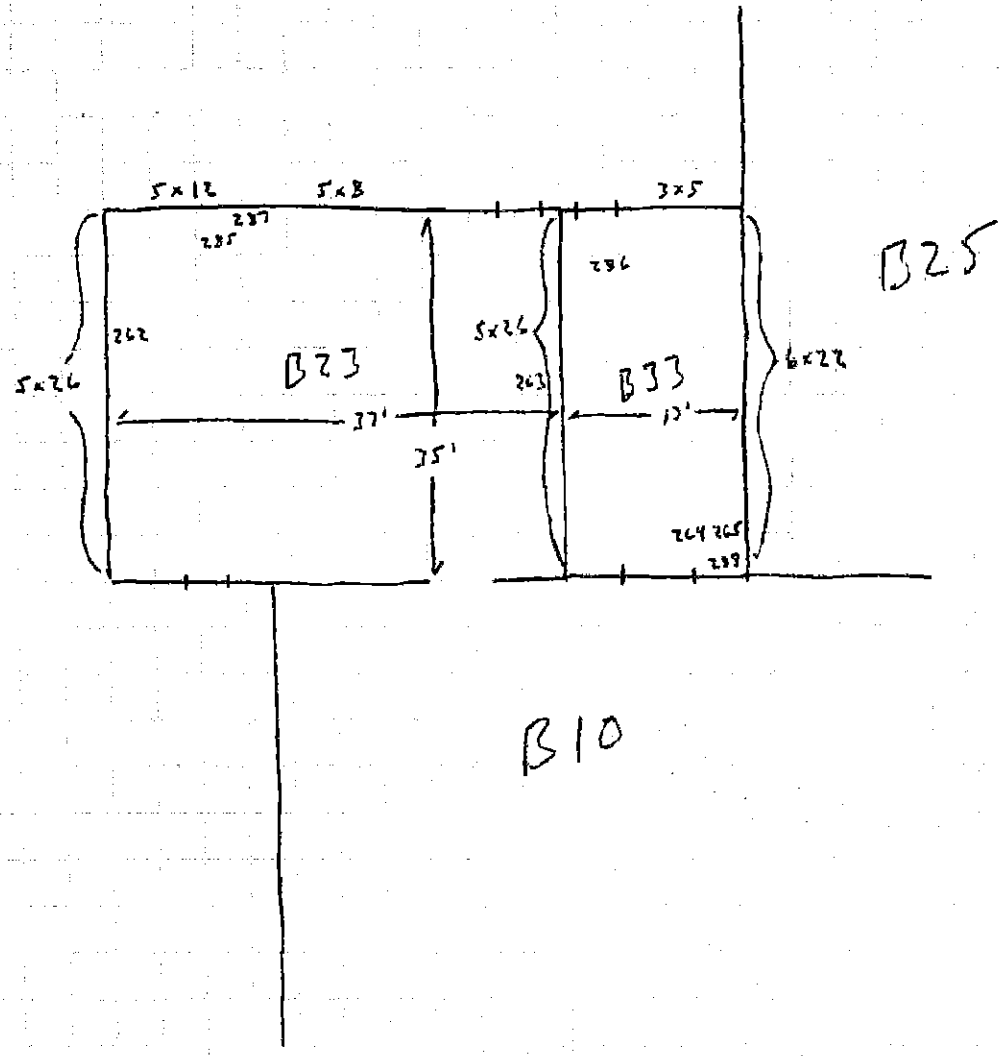
NT EA GROUP	Work Order: OHY2143	
	Date: 9/12/18	Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram, B11		



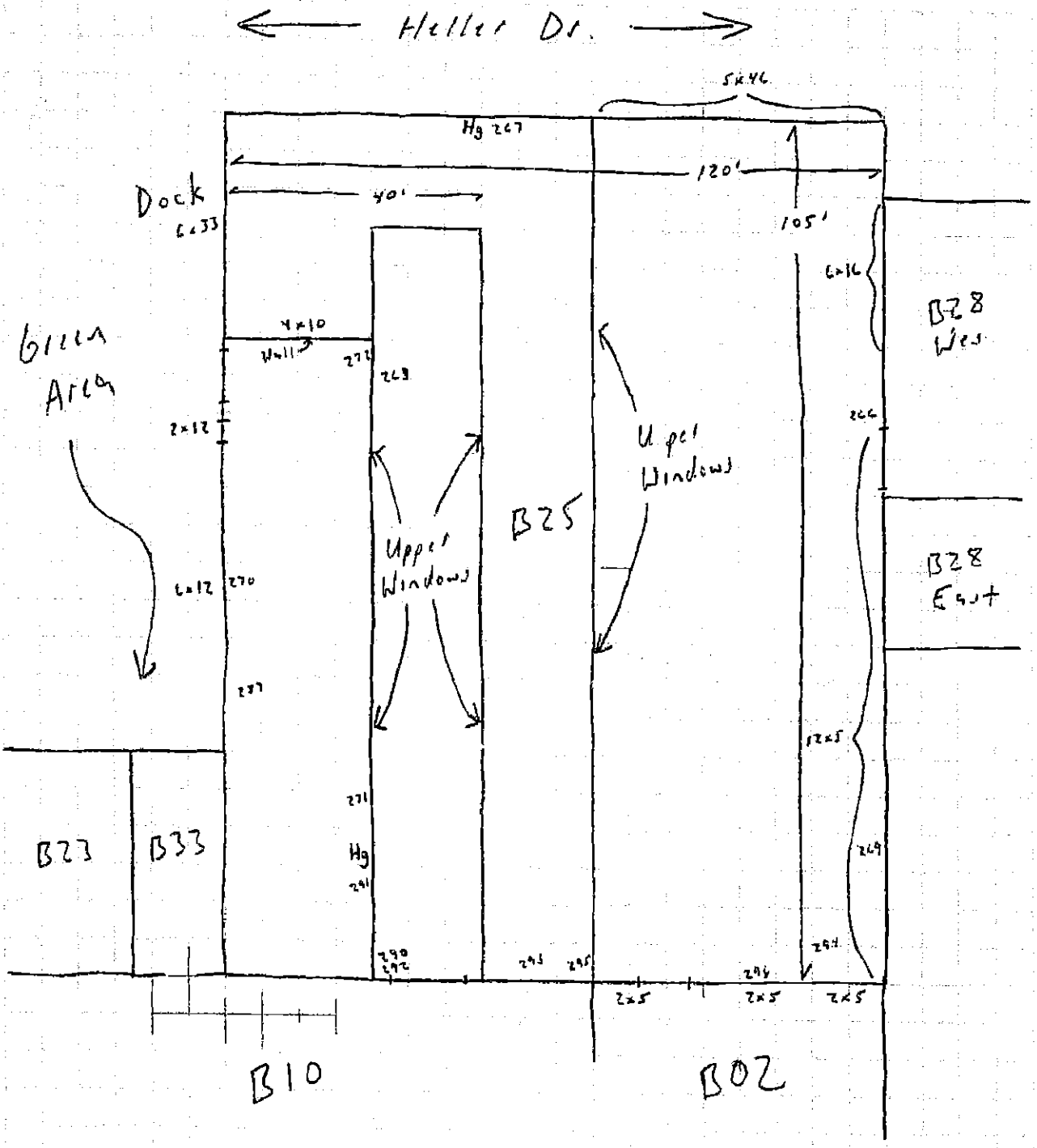
N → EA GROUP	Work Order: OH42143	
	Date: 9/12/18	Prepared By: Kevell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram, B10		



N → EA GROUP	Work Order: OH42143	
	Date: 9/17/18	Prepared By: Kovell
	Project: BR6 - Simonds Cutting Tools	
Title: Sample location diagram, B23 & B33		

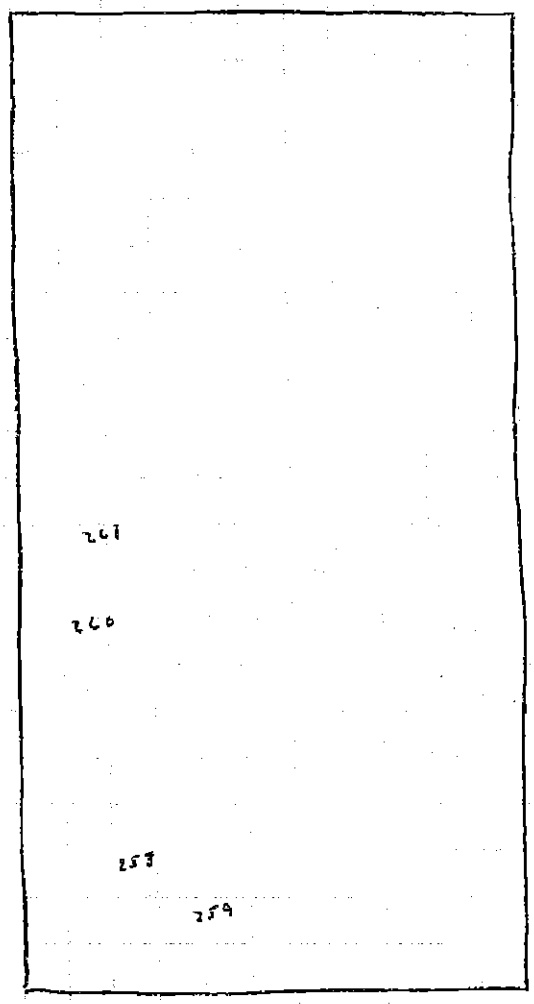


N → EA GROUP	Work Order: OH42143	
	Date: 9/13/18	Prepared By: Kovell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram, B25		



N → EA GROUP	Work Order: OH42143	
	Date: 9/13/18	Prepared By: Kozell
	Project: BRG - Simonds Cutting Tools	
Title: Sample location diagram, 0720 & 832 Debris Piles		

← Heller Dr. →

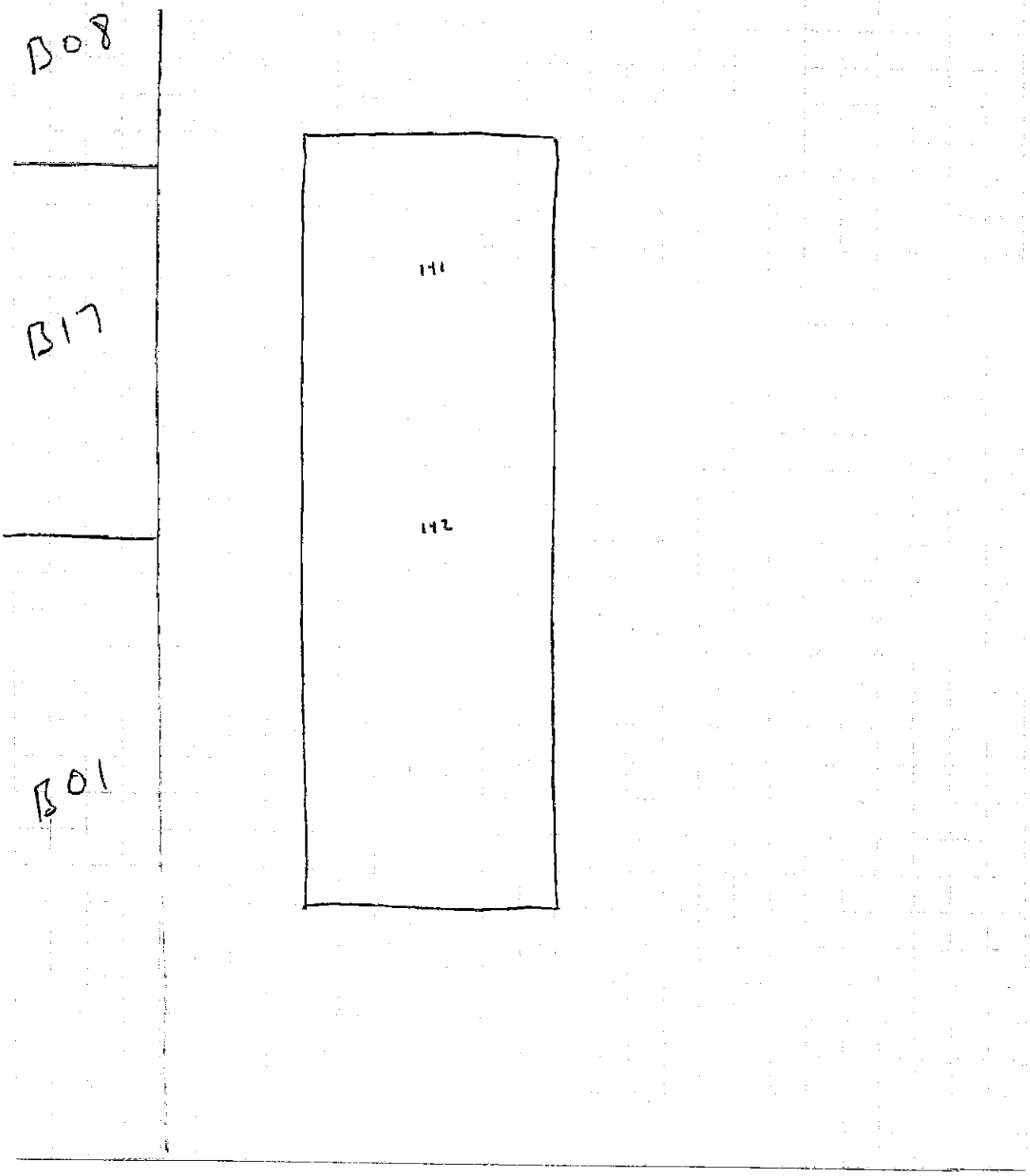


Debris piles composed of brick, block, wood, metal siding and structural. Suspect ACMs included roofing and siding. Window trimming observed w/o glazing. Suspect material delaminated / degraded.

N↑

EA GROUP

Work Order:	OH42143
Date: 9/13/18	Prepared By: Kovell
Project:	BRG - Simonds Cutting Tools
Title:	Sample location diagram, B15, B29 & B16 Debris Piles



EA GROUP

Environmental Analysis
and Management

APPENDIX C

Laboratory Analytical Report(s)

EA GROUP

Environmental Analysis
and Management

Brownfield Restoration Group
1000 S. Cleveland-Massillon Rd
Akron, OH 44333
Jody Kaufman/Jim Smith

Client Project: Simonds Cutting Tools
EA Group Workorder Number: 180900215
Received on September 18, 2018

The following analytical report contains results as requested for samples submitted to EA Group. The results included in this report have been reviewed for compliance with the analytical methods indicated in this report. All data has been found to be compliant with accepted laboratory protocol, except as noted in the QC narrative. Industrial hygiene reports, air and/or surface concentrations results are based upon sampling information provided by the client. Industrial hygiene results will not be blank corrected. Analyst initials of REF indicate analysis performed at a subcontract facility.

If you have questions, comments or require further assistance regarding this report, please contact your client services representative or one of the individuals listed below.

Data or reporting:
Debbie Lauer - Lab Manager
dlauer@eagroupohio.com

Mike Herbert - General Manager
mherbert@eagroupohio.com

Sample tracking, supplies:
Linetta Brown - Sample Control
sreceiving@eagroupohio.com

Invoice Related:
Bonnie Renbarger - Office Manager
brenbarger@eagroupohio.com

EA GROUP

Environmental Analysis
and Management

Laboratory Analytical Report

Brownfield Restoration Group

1000 S. Cleveland-Massillon Rd

Suite 106

Akron, OH 44333

Attention:
Jody Kaufman/Jim Smith

Project Identification

Simonds Cutting Tools

OH42143

Purchase Order:

EA Group

Order Number
1809-00215

Carl R. Eggebraaten
Microscopist

Deborah L. Lauer
Laboratory Manager

September 28, 2018

7118 Industrial Park Blvd., Mentor, Ohio 44060-5314
(440) 951-3514 (800) 875-3514 FAX (440) 951-3774 www.eagroupohio.com

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FIELD REQUEST FOR LABORATORY ANALYSIS

Company Name: Brownfield Restoration Grp

Address: 1000 S. Cleveland Massillon Rd
Akron, OH 44333

Attention: Jody Kaufman

Results Needed By: _____

Normal: ✓ **RUSH:** _____

Priority: _____ (confirm w/ lab)

Date: _____ Time: _____

Customer Number: 001233

Telephone: 330-668-4600

Fax No: 330-668-8464

e-mail: jodykaufman@brgroup.com

Sampled by: Kovell / Brown

Project Name: Diamonds Cutting Tools

Project Number OH 42143

Rush Authorized by: _____

Project Category: ENV

Special Billing/Reporting: _____

Is this a VAP project requiring VAP lab analysis? Yes _____ No ✓

Internal Contact: Bowen

CHAIN OF CUSTODY

Relinquished by		Received by	
Name	Date/Time	Name	Date/Time
[signature]	9/18/18 / 0845	J. Brown	9.18.18 9:00

EA GROUP CONSULTING DIVISION

REQUEST FOR LABORATORY ANALYSIS - ASBESTOS BULK SAMPLING LOG

Page 1 of 6

Sample No.	Homog. Group	1	2
OH42143 - 01	* A	X	
02	↓	↓	
03	* B		
04	↓		
05	* C		
06	↓		
07	↓		
08	* D		
09	↓		
10	* E		
11	↓		
12	↓		
13	* F		
14	↓		
15	* G		
16	↓		
17	↓		
18	* H		
19	↓		
20	↓	↓	

Sample No.	Homog. Group	1	2
OH42143 - 21	* I	X	
22	↓	↓	
23	↓		
24	* J		
25	↓		
26	↓		
27	* K		
28	↓		
29	L		
30	↓		
31	↓		
32	↓		
33	↓		
34	M		
35	↓		
36	↓		
37	↓		
38	↓		
39	↓		
40	↓	↓	

Sample No.	Homog. Group	1	2
OH42143 - 41	* N	X	
42	↓	↓	
43	* O		
44	↓		
45	* P		
46	↓		
47	Q		
48	↓		
49	* R		
50	↓		
51	* S		
52	↓		
53	* T		
54	↓		
55	* U		
56	↓		
57	* V		
58	↓		
59	* W		
60	↓	↓	

Analytes: 1 PLM (standard) 2 PLM (full) **Point Count:** ____ or ALL (enter # or circle ALL)

Hygienist: Kowell / Brown **Sampling Date:** 9 / 10 to 17 / 18

Comments: * Stop analysis at 1st positive result

FIELD REQUEST FOR LABORATORY ANALYSIS

Company Name: Brownfield Restoration Grp

Address: 1000 S Cleveland Massillon Rd
Akron, OH 44333

Attention: Jody Kaufman

Results Needed By: _____

Normal: ✓ **RUSH:** _____

Priority: _____ (confirm w/ lab)

Date: _____ Time: _____

Customer Number: 001233

Telephone: 330-668-4600

Fax No: 330-668-9464

e-mail: jodykaufman@brgroupllc.com

Sampled by: Kowell / Brown

Project Name: Simonds Cutting Tools

Project Number OH 42143

Rush Authorized by:

Project Category: ENV

Special Billing/Reporting:

Is this a VAP project requiring VAP lab analysis? Yes _____ No _____

Internal Contact: Bowen

CHAIN OF CUSTODY

Relinquished by		Received by	
Name	Date/Time	Name	Date/Time

EA GROUP CONSULTING DIVISION

REQUEST FOR LABORATORY ANALYSIS - ASBESTOS BULK SAMPLING LOG

Sample No.	Homog. Group	1	2
OHY214J - 61	* X	X	
62	↓	↓	
63	* Y		
64	↓		
65	* Z		
66	↓		
67	AA		
68	↓		
69	* AB		
70	↓		
71	* AC		
72	↓		
73	* AD		
74	↓		
75	* AE		
76	↓		
77	* AF		
78	↓		
79	AG		
80	↓	↓	

Sample No.	Homog. Group	1	2
OHY214J - 81	* AH	X	
82	↓	↓	
83	* AI		
84	↓		
85	* AJ		
86	↓		
87	AK		
88	↓		
89	* AL		
90	↓		
91	AM		
92	↓		
93	* AN		
94	↓		
95	* AO		
96	↓		
97	↓		
98	* AP		
99	↓		
100	AQ	↓	

Sample No.	Homog. Group	1	2
OHY214J - 101	AQ	X	
102	↓	↓	
103	* AR		
104	↓		
105	* AS		
106	↓		
107	AT		
108	↓		
109	↓		
110	AU		
111	↓		
112	* AV		
113	↓		
114	* AW		
115	↓		
116	* AX		
117	↓		
118	* AY		
119	↓		
120	* AZ	↓	

Analytes: 1 PLM (standard) 2 PLM (full) **Point Count:** ____ or ALL (enter # or circle ALL)

Hygienist: Kowell / Brown **Sampling Date:** 9 / 10 to 17 / 18

Comments: * Stop analysis at 1st positive result

FIELD REQUEST FOR LABORATORY ANALYSIS

Company Name: Brownfield Restoration Grp

Address: 1000 J Cleveland Massillon Rd
Akron OH 44333

Attention: Jody Kaufman

Results Needed By:

Normal: ✓ **RUSH:**

Priority: (confirm w/ lab)

Date: Time:

Customer Number: 001233

Telephone: 330-668-4600 Fax No: 330-668-8464

e-mail: jodykaufman@bgroupllc.com

Sampled by: Kovell / Brown

Project Name: Simonds Cutting Tools Project Number OH 42143

Rush Authorized by: Project Category: ENV

Special Billing/Reporting:

Is this a VAP project requiring VAP lab analysis? Yes No

Internal Contact: Bowen

CHAIN OF CUSTODY

Relinquished by		Received by	
Name	Date/Time	Name	Date/Time

EA GROUP CONSULTING DIVISION
REQUEST FOR LABORATORY ANALYSIS - ASBESTOS BULK SAMPLING LOG

Page 3 of 6

Sample No.	Homog. Group	1	2
OH42143 - 121	AZ	X	
122	* BA		
123	↓		
124			
125	* BB		
126	↓		
127	* BC		
128	↓		
129	* BD		
130	↓		
131	BE		
132	↓		
133	* BF		
134	↓		
135	BG		
136	↓		
137	BH		
138	↓		
139	BI		
140	↓	↓	

Sample No.	Homog. Group	1	2
OH42143 - 141	BJ	X	
142	↓		
143	BK		
144	↓		
145	↓		
146	BL		
147	↓		
148	BM		
149	↓		
150	BN		
151	↓		
152	BO		
153	↓		
154	BP		
155	↓		
156	BQ		
157	↓		
158	↓		
159	BR		
160	↓	↓	

Sample No.	Homog. Group	1	2
OH42143 - 161	* BS	X	
162	↓		
163	↓		
164	* BT		
165	↓		
166	* BU		
167	↓		
168	* BV		
169	↓		
170	* BW		
171	↓		
172	* BX		
173	↓		
174	* BY		
175	↓		
176	* BZ		
177	↓		
178	* CA		
179	↓		
180	* CB	↓	

Analytes: 1 PLM (standard) 2 PLM (full) **Point Count:** ____ or ALL (enter # or circle ALL)

Hygienist: Kovell / Brown **Sampling Date:** 9/10 to 17/18

Comments: * Stop analysis at 1st positive result

FIELD REQUEST FOR LABORATORY ANALYSIS

Company Name: Brownfield Restoration Grp. **Results Needed By:** _____

Address: 1000 S. Cleveland Massillon Rd **Normal:** ✓ **RUSH:** _____

Akron, OH 44333 **Priority:** _____ (confirm w/ lab)

Attention: Jody Kaufman Date: _____ Time: _____

Customer Number: 0011233

Telephone: 330-668-4600 Fax No: 330-668-8464

e-mail: jodykaufman@brgroupllc.com

Sampled by: Kovell / Brown

Project Name: Simonds Cutting Tools Project Number OH 42143

Rush Authorized by: _____ Project Category: ENV

Special Billing/Reporting: _____

Is this a VAP project requiring VAP lab analysis? Yes _____ No _____

Internal Contact: Bowen

CHAIN OF CUSTODY

Relinquished by		Received by	
Name	Date/Time	Name	Date/Time

EA GROUP CONSULTING DIVISION
REQUEST FOR LABORATORY ANALYSIS - ASBESTOS BULK SAMPLING LOG

Sample No.	Homog. Group	1	2
OH42143 - 181	CB	X	
182	* CC		
183	↓		
184	* CD		
185	↓		
186	* CE		
187	↓		
188	* CF		
189	↓		
190	* CG		
191	↓		
192	* CH		
193	↓		
194	* CI		
195	↓		
196	* CJ		
197	↓		
198	* CK		
199	↓		
200	* CL		

Sample No.	Homog. Group	1	2
OH42143 - 201	CL	X	
202	* CM		
203	↓		
204	* CN		
205	↓		
206	* CO		
207	↓		
208	* CP		
209	↓		
210	* CQ		
211	↓		
212	* CR		
213	↓		
214	* CS		
215	↓		
216	* CT		
217	↓		
218	* CU		
219	↓		
220	CV		

Sample No.	Homog. Group	1	2
OH42143 - 221	CV	X	
222	↓		
223	* CW		
224	↓		
225	* CX		
226	↓		
227	* CY		
228	↓		
229	* CZ		
230	↓		
231	* DA		
232	↓		
233	* DB		
234	↓		
235	* DC		
236	↓		
237	↓		
238	* DD		
239	↓		
240	* DE		

Analytes: 1 PLM (standard) 2 PLM (full) **Point Count:** ____ or ALL (enter # or circle ALL)

Hygienist: Covell / Brown **Sampling Date:** 9/10 to 17/16

Comments: * Stop analysis at 1st positive result

FIELD REQUEST FOR LABORATORY ANALYSIS

Company Name: Brownfield Restoration Grp. **Results Needed By:** _____

Address: 1000 S. Cleveland Massillon Rd Normal: ✓ **RUSH:** _____

Akron OH 44333 **Priority:** _____ (confirm w/ lab)

Attention: Jody Kaufman Date: _____ Time: _____

Customer Number: 0011233

Telephone: 330-668-4600 Fax No: 330-668-8464

e-mail: jodykaufman@bgroupllc.com

Sampled by: Kowell / Brown

Project Name: Simonds Cutting Tools Project Number OH 42143

Rush Authorized by: _____ Project Category: ENV

Special Billing/Reporting: _____

Is this a VAP project requiring VAP lab analysis? Yes _____ No _____

Internal Contact: Bowen

CHAIN OF CUSTODY

Relinquished by		Received by	
Name	Date/Time	Name	Date/Time

EA GROUP CONSULTING DIVISION

REQUEST FOR LABORATORY ANALYSIS - ASBESTOS BULK SAMPLING LOG

Sample No.	Homog. Group	1	2
OHY2143 - 241	DE	X	
242	*DF		
243	"		
244	*DG		
245	"		
246	*DH		
247	"		
248	*DI		
249	"		
250	*DJ		
251	"		
252	*DK		
253	"		
254	*DL		
255	"		
256	*DM		
257	"		
258	*DN		
259	"		
260	*DO		

Sample No.	Homog. Group	1	2
OHY2143 - 261	DO	X	
262	*DP		
263	"		
264	*DQ		
265	"		
266	DR		
267	"		
268	"		
269	*DS		
270	"		
271	*DT		
272	"		
273	*DU		
274	"		
275	*DV		
276	"		
277	*DW		
278	"		
279	*DX		
280	"		

Sample No.	Homog. Group	1	2
OHY2143 - 281	*DY	X	
282	"		
283	*DZ		
284	"		
285	*EA		
286	"		
287	*EB		
288	"		
289	*EC		
290	"		
291	*ED		
292	"		
293	*EE		
294	"		
295	*EF		
296	"		
297	*EG		
298	"		
299	*EH		
300	"		

Analytes: 1 PLM (standard) 2 PLM (full) Point Count: ____ or ALL (enter # or circle ALL)

Hygienist: Kovell / Brown **Sampling Date:** 9/10 to 17/18

Comments: * Stop analysis at 1st positive result

FIELD REQUEST FOR LABORATORY ANALYSIS

Company Name: Brownfield Restoration Grp.

Address: 1000 S. Cleveland Massillon Rd

Akron, OH 44333

Attention: Jody Kaufman

Results Needed By: _____

Normal: ✓ RUSH: _____

Priority: _____ (confirm w/ lab)

Date: _____ Time: _____

Customer Number: 0011233

Telephone: 330-668-4600

Fax No: 330-668-8464

e-mail: jodykaufman@brgroupllc.com

Sampled by: Kovell / Brown

Project Name: Simonds Cutting Tools

Project Number OH 42143

Rush Authorized by: _____

Project Category: ENV

Special Billing/Reporting: _____

Is this a VAP project requiring VAP lab analysis? Yes _____ No _____

Internal Contact: Bowen

CHAIN OF CUSTODY

Relinquished by		Received by	
Name	Date/Time	Name	Date/Time

EA GROUP CONSULTING DIVISION
REQUEST FOR LABORATORY ANALYSIS - ASBESTOS BULK SAMPLING LOG

Page 6 of 6

Sample No.	Homog. Group	1	2
OH72143 - 301	*EI	X	
302	↓	↓	
303	*EJ		
304	↓		
305	*EK		
306	↓		
307	*EL		
308	↓		
309	*EM		
310	↓		
311	*EN		
312	↓		
313	*EO		
314	↓		
315	*EP		
316	↓		
317	*EQ		
318	↓		
319	*ER		
320	↓	↓	

Sample No.	Homog. Group	1	2
OH72143 - 321	*ES	X	
322	↓	↓	
323	*ET		
324	↓		
325	*EU		
326	↓		
327	*EV		
328	↓		
329	*EW		
330	↓		
331	*EX		
332	↓		
333	*EY		
334	↓	↓	

Sample No.	Homog. Group	1	2

Analytes: 1 PLM (standard) 2 PLM (full) Point Count: ____ or ALL (enter # or circle ALL)

Hygienist: Kowell / Brown Sampling Date: 9/10 to 17/18

Comments: * Stop analysis at 1st positive result

EA GROUP

Environmental Analysis
and Management

Brownfield Restoration Group
1000 S. Cleveland-Massillon Rd
Akron, OH 44333
Jody Kaufman

Client Project: Simonds Cutting Tools
EA Group Workorder Number: 180900214
Received on September 18, 2018

The following analytical report contains results as requested for samples submitted to EA Group. The results included in this report have been reviewed for compliance with the analytical methods indicated in this report. All data has been found to be compliant with accepted laboratory protocol, except as noted in the QC narrative. Industrial hygiene reports, air and/or surface concentrations results are based upon sampling information provided by the client. Industrial hygiene results will not be blank corrected. Analyst initials of REF indicate analysis performed at a subcontract facility.

If you have questions, comments or require further assistance regarding this report, please contact your client services representative or one of the individuals listed below.

Data or reporting:
Debbie Lauer - Lab Manager
dlauer@eagroupohio.com

Mike Herbert - General Manager
mherbert@eagroupohio.com

Sample tracking, supplies:
Linetta Brown - Sample Control
sreceiving@eagroupohio.com

Invoice Related:
Bonnie Renbarger - Office Manager
brenbarger@eagroupohio.com

7118 Industrial Park Blvd. , Mentor, Ohio 44060-5314
(440) 951-3514 (800) 875-3514 FAX (440) 951-3774 www.eagroupohio.com

EA GROUP

Environmental Analysis
and Management

Laboratory Analytical Report

Brownfield Restoration Group

1000 S. Cleveland-Massillon Rd

Suite 106

Akron, OH 44333

Attention:

Jody Kaufman

Client Project:

Simonds Cutting Tools

OH42143

EA Group Workorder:

1809-00214

Deborah L. Lauer

Laboratory Manager

September 27, 2018

7118 Industrial Park Blvd., Mentor, Ohio 44060-5314
(440) 951-3514 (800) 875-3514 FAX (440) 951-3774 www.eagroupohio.com

EA GROUP

Environmental Analysis and Management

Sample Receive Date 9/18/2018

Sample Listing

EAG Sample Identification	Client Sample Identification	EAG Sample Identification	Client Sample Identification
180900214 - 001	OH42143-091018-01	180900214 - 002	OH42143-091118-02
180900214 - 003	OH42143-091118-03	180900214 - 004	OH42143-091318-04
180900214 - 005	OH42143-091318-05	180900214 - 006	OH42143-091418-06
180900214 - 007	OH42143-091418-07	180900214 - 008	OH42143-091418-08
180900214 - 009	OH42143-091418-09	180900214 - 010	OH42143-091418-10
180900214 - 011	OH42143-091418-11	180900214 - 012	OH42143-091418-12
180900214 - 013	OH42143-091418-13	180900214 - 014	OH42143-091418-14
180900214 - 015	OH42143-091418-15	180900214 - 016	OH42143-091718-16
180900214 - 017	OH42143-091018-01PCB	180900214 - 018	OH42143-091018-02PCB
180900214 - 019	OH42143-091018-03PCB		

EA GROUP

Environmental Analysis
and Management

Project Narrative
1809-00214

All analyses performed by EA Group were done using established laboratory SOPs. Management has reviewed the data for compliance with the laboratory QA/QC plan and data have been found to be compliant with the laboratory protocols unless otherwise noted below. All results listed for this report relate only to the samples submitted on this work order.

The temperature of the sample(s) upon receipt was 25°C.

Misc. QC Comments

Percent Moisture is used to report results on a dry weight basis.

When necessary, reporting limits of individual samples may be raised due to high concentration of interfering compounds or target analytes, or quantity of sample available for analysis.

pH method note: If this analysis was performed in the laboratory, it may not meet the "immediate analysis" requirement that applies to most wastewater monitoring samples. In such cases, analysis for pH should be done at the time of sampling.

The results listed in this report relate only to the samples submitted to EA Group per the chain of custody.

Data Flag Table

B	The method blank contained a standard laboratory contaminant (Methylene Chloride, Acetone, Hexane, Phthalates, etc.) above the standard laboratory method detection limit. If the analyte is present in the sample at a concentration up to ten times the blank level, the result is reported with a "B" indicating method blank contamination. Samples will be reported without a "B" if the analyte concentration in the sample is greater than ten times the blank level.
E	An analytical result marked with an "E" indicates the result reported is above the high end limit of the calibration curve and should be considered an estimated concentration.
DIL	Due to matrix interference or high analyte concentration, a dilution was required. The spikes and/or surrogates results could not be quantitated and therefore marked "DIL".
J	An analytical result marked with a "J" indicates the result reported was below the standard reporting limit and above the method detection limit. As the observed level approaches the MDL there is an increasing probability of a false positive response.
MI	Analytical results marked as "MI" indicate that due to inherent matrix interference, the result could not be quantitated.
#	Results flagged "#" indicate the reported result may be outside allowable permit levels as provided by the client, when applicable.
NA	A result or field marked as "NA" indicates that it was not applicable for this project.
Q	A quality control result flagged with a "Q" indicates the percent recovery was outside the acceptable range as determined by the laboratory.

** Positive results for this analyte represent a probable combination of 3-Methylphenol (m-Cresol) and 4-Methylphenol (p-Cresol).

EA GROUP
Environmental Analysis and Management

EAG Workorder: 1809-00214
Client Project: Simonds Cutting Tools

Client ID: OH42143-091018-01 **Date/Time Sampled:** 9/10/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-1

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/18/2018		CMB

Client ID: OH42143-091118-02 **Date/Time Sampled:** 9/11/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-2

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/18/2018		CMB

Client ID: OH42143-091118-03 **Date/Time Sampled:** 9/11/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-3

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/18/2018		CMB

Client ID: OH42143-091318-04 **Date/Time Sampled:** 9/13/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-4

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/18/2018		CMB

Client ID: OH42143-091318-05 **Date/Time Sampled:** 9/13/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-5

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Arsenic, TCLP: SW846-6010B	7440-38-2	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
Barium, TCLP: SW846-6010B	7440-39-3	<5.0	5.0	mg/liter	9/19/2018	9/20/2018		CMB
Cadmium, TCLP: SW846-6010B	7440-43-9	<0.10	0.10	mg/liter	9/19/2018	9/20/2018		CMB
Chromium, TCLP: SW846-6010B	7440-47-3	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
Mercury, TCLP: SW846-7470A	7439-97-6	<0.0050	0.0050	mg/liter	9/25/2018	9/25/2018		CMB
Selenium, TCLP: SW846-6010B	7782-49-2	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
Silver, TCLP: SW846-6010B	7440-22-4	<0.10	0.10	mg/liter	9/19/2018	9/20/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/18/2018		CMB

EA GROUP
Environmental Analysis and Management

EAG Workorder: 1809-00214
Client Project: Simonds Cutting Tools

Client ID: OH42143-091418-06 **Date/Time Sampled:** 9/14/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-6

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/18/2018		CMB

Client ID: OH42143-091418-07 **Date/Time Sampled:** 9/14/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-7

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	**1.28**	0.50	mg/liter	9/19/2018	9/20/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/18/2018		CMB

Client ID: OH42143-091418-08 **Date/Time Sampled:** 9/14/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-8

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
ead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/18/2018		CMB

Client ID: OH42143-091418-09 **Date/Time Sampled:** 9/14/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-9

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/19/2018	9/20/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/18/2018		CMB

Client ID: OH42143-091418-10 **Date/Time Sampled:** 9/14/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-10

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/19/2018		CMB

Client ID: OH42143-091418-11 **Date/Time Sampled:** 9/14/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-11

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/19/2018		CMB

EA GROUP
Environmental Analysis and Management

EAG Workorder: 1809-00214
Client Project: Simonds Cutting Tools

Client ID: OH42143-091418-12 **Date/Time Sampled:** 9/14/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-12

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	**0.976**	0.50	mg/liter	9/20/2018	9/24/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/19/2018		CMB

Client ID: OH42143-091418-13 **Date/Time Sampled:** 9/14/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-13

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/19/2018		CMB

Client ID: OH42143-091418-14 **Date/Time Sampled:** 9/14/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-14

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/19/2018		CMB

Client ID: OH42143-091418-15 **Date/Time Sampled:** 9/14/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-15

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Arsenic, TCLP: SW846-6010B	7440-38-2	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
Barium, TCLP: SW846-6010B	7440-39-3	<5.0	5.0	mg/liter	9/20/2018	9/24/2018		CMB
Cadmium, TCLP: SW846-6010B	7440-43-9	<0.10	0.10	mg/liter	9/20/2018	9/24/2018		CMB
Chromium, TCLP: SW846-6010B	7440-47-3	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
Lead, TCLP: SW846-6010B	7439-92-1	**0.943**	0.50	mg/liter	9/20/2018	9/24/2018		CMB
Mercury, TCLP: SW846-7470A	7439-97-6	<0.0050	0.0050	mg/liter	9/25/2018	9/25/2018		CMB
Selenium, TCLP: SW846-6010B	7782-49-2	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
Silver, TCLP: SW846-6010B	7440-22-4	<0.10	0.10	mg/liter	9/20/2018	9/24/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/19/2018		CMB

EA GROUP
Environmental Analysis and Management

EAG Workorder: 1809-00214
Client Project: Simonds Cutting Tools

Client ID: OH42143-091718-16 **Date/Time Sampled:** 9/17/2018 **Received:** 9/18/2018
EAG ID: 1809-00214-16

Parameter	CAS #	Result	Reporting Limit	Units	Prep Date	Analysis Date	Time	Analyst
Arsenic, TCLP: SW846-6010B	7440-38-2	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
Barium, TCLP: SW846-6010B	7440-39-3	<5.0	5.0	mg/liter	9/20/2018	9/24/2018		CMB
Cadmium, TCLP: SW846-6010B	7440-43-9	<0.10	0.10	mg/liter	9/20/2018	9/24/2018		CMB
Chromium, TCLP: SW846-6010B	7440-47-3	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
Lead, TCLP: SW846-6010B	7439-92-1	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
Mercury, TCLP: SW846-7470A	7439-97-6	<0.0050	0.0050	mg/liter	9/25/2018	9/25/2018		CMB
Selenium, TCLP: SW846-6010B	7782-49-2	<0.50	0.50	mg/liter	9/20/2018	9/24/2018		CMB
Silver, TCLP: SW846-6010B	7440-22-4	<0.10	0.10	mg/liter	9/20/2018	9/24/2018		CMB
SW846 1311: TCLP Extraction		Complete				9/19/2018		CMB

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-005
Client ID: OH42143-091318-05
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: MRP

Date Sampled: 09/13/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Semi-volatile Organic TCLP: SW846-8270C					
o-Cresol	95-48-7	<0.050	0.050	mg/liter	9/24/2018
m & p-Cresol	1319-77-3	<0.050	0.050	mg/liter	9/24/2018
1,4-Dichlorobenzene	106-46-7	<0.050	0.050	mg/liter	9/24/2018
2,4-Dinitrotoluene	121-14-2	<0.050	0.050	mg/liter	9/24/2018
Hexachlorobenzene	118-74-1	<0.050	0.050	mg/liter	9/24/2018
Hexachlorobutadiene	87-68-3	<0.050	0.050	mg/liter	9/24/2018
Hexachloroethane	67-72-1	<0.050	0.050	mg/liter	9/24/2018
Nitrobenzene	98-95-3	<0.050	0.050	mg/liter	9/24/2018
Pentachlorophenol	87-86-5	<0.25	0.25	mg/liter	9/24/2018
Pyridine	110-86-1	<0.050	0.050	mg/liter	9/24/2018
2,4,5-Trichlorophenol	95-95-4	<0.050	0.050	mg/liter	9/24/2018
2,4,6-Trichlorophenol	88-06-2	<0.050	0.050	mg/liter	9/24/2018
Extraction: SW846-3510C		Complete			9/24/2018
TCLP Extraction: SW846-1311		Complete			9/18/2018

Surrogate	Percent Recovery	Recovery Limits
Nitrobenzene-d5	75.3	(35 - 114)
2-Fluorobiphenyl	68.5	(43 - 116)
p-Terphenyl-d14	80.9	(33 - 141)
2-Fluorophenol	16.6	(14 - 60)
Phenol-d6	34.4	(4 - 50)
2,4,6-Tribromophenol	93.7	(49 - 130)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-005
Client ID: OH42143-091318-05
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: CMW

Date Sampled: 09/13/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Volatile Organic TCLP: SW846-8260A					
Benzene	71-43-2	<0.10	0.10	mg/liter	9/25/2018
Carbon tetrachloride	56-23-5	<0.10	0.10	mg/liter	9/25/2018
Chlorobenzene	108-90-7	<0.10	0.10	mg/liter	9/25/2018
Chloroform	67-66-3	<0.10	0.10	mg/liter	9/25/2018
1,2-Dichloroethane	107-06-2	<0.10	0.10	mg/liter	9/25/2018
1,1-Dichloroethene	75-35-4	<0.10	0.10	mg/liter	9/25/2018
Methyl ethyl ketone	78-93-3	<1.0	1.0	mg/liter	9/25/2018
Tetrachloroethene	127-18-4	<0.10	0.10	mg/liter	9/25/2018
Trichloroethylene	79-01-6	<0.10	0.10	mg/liter	9/25/2018
Vinyl chloride	75-01-4	<0.10	0.10	mg/liter	9/25/2018
ZHE TCLP Extraction:SW846-1311		NA			9/25/2018

Surrogate	Percent Recovery	Recovery Limits
1,2-Dichloroethane-d4	93.7	(69 - 146)
Toluene-d8	98.6	(74 - 131)
4-Bromofluorobenzene	82.9	(77 - 134)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-005
Client ID: OH42143-091318-05
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: LAF

Date Sampled: 09/13/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Polychlorinated Biphenyls: SW846-8082A					
Aroclor 1016	12674-11-2	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1221	11104-28-2	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1232	11141-16-5	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1242	53469-21-9	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1248	12672-29-6	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1254	11097-69-1	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1260	11096-82-5	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1268	11100-14-4	<0.10	0.10	mg/kg	9/26/2018
Extraction: SW846-3550A		Complete			9/21/2018

Surrogate	Percent Recovery	Recovery Limits
Tetrachloro-m-xylene	112	(59 - 137)
Decachlorobiphenyl	87.7	(61 - 128)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-015
Client ID: OH42143-091418-15
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: MRP

Date Sampled: 09/14/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Semi-volatile Organic TCLP: SW846-8270C					
o-Cresol	95-48-7	<0.050	0.050	mg/liter	9/24/2018
m & p-Cresol	1319-77-3	<0.050	0.050	mg/liter	9/24/2018
1,4-Dichlorobenzene	106-46-7	<0.050	0.050	mg/liter	9/24/2018
2,4-Dinitrotoluene	121-14-2	<0.050	0.050	mg/liter	9/24/2018
Hexachlorobenzene	118-74-1	<0.050	0.050	mg/liter	9/24/2018
Hexachlorobutadiene	87-68-3	<0.050	0.050	mg/liter	9/24/2018
Hexachloroethane	67-72-1	<0.050	0.050	mg/liter	9/24/2018
Nitrobenzene	98-95-3	<0.050	0.050	mg/liter	9/24/2018
Pentachlorophenol	87-86-5	<0.25	0.25	mg/liter	9/24/2018
Pyridine	110-86-1	<0.050	0.050	mg/liter	9/24/2018
2,4,5-Trichlorophenol	95-95-4	<0.050	0.050	mg/liter	9/24/2018
2,4,6-Trichlorophenol	88-06-2	<0.050	0.050	mg/liter	9/24/2018
Extraction: SW846-3510C		Complete			9/24/2018
TCLP Extraction: SW846-1311		Complete			9/19/2018

Surrogate	Percent Recovery	Recovery Limits
Nitrobenzene-d5	66.7	(35 - 114)
2-Fluorobiphenyl	64.1	(43 - 116)
p-Terphenyl-d14	78.3	(33 - 141)
2-Fluorophenol	19.7	(14 - 60)
Phenol-d6	29.4	(4 - 50)
2,4,6-Tribromophenol	89.0	(49 - 130)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-015
Client ID: OH42143-091418-15
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: CMW

Date Sampled: 09/14/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Volatile Organic TCLP: SW846-8260A					
Benzene	71-43-2	<0.10	0.10	mg/liter	9/25/2018
Carbon tetrachloride	56-23-5	<0.10	0.10	mg/liter	9/25/2018
Chlorobenzene	108-90-7	<0.10	0.10	mg/liter	9/25/2018
Chloroform	67-66-3	<0.10	0.10	mg/liter	9/25/2018
1,2-Dichloroethane	107-06-2	<0.10	0.10	mg/liter	9/25/2018
1,1-Dichloroethene	75-35-4	<0.10	0.10	mg/liter	9/25/2018
Methyl ethyl ketone	78-93-3	<1.0	1.0	mg/liter	9/25/2018
Tetrachloroethene	127-18-4	<0.10	0.10	mg/liter	9/25/2018
Trichloroethylene	79-01-6	<0.10	0.10	mg/liter	9/25/2018
Vinyl chloride	75-01-4	<0.10	0.10	mg/liter	9/25/2018
ZHE TCLP Extraction:SW846-1311		NA			9/25/2018

Surrogate	Percent Recovery	Recovery Limits
1,2-Dichloroethane-d4	98.1	(69 - 146)
Toluene-d8	99.2	(74 - 131)
4-Bromofluorobenzene	82.2	(77 - 134)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-015
Client ID: OH42143-091418-15
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: LAF

Date Sampled: 09/14/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Polychlorinated Biphenyls: SW846-8082A					
Aroclor 1016	12674-11-2	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1221	11104-28-2	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1232	11141-16-5	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1242	53469-21-9	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1248	12672-29-6	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1254	11097-69-1	**2.5**	0.10	mg/kg	9/26/2018
Aroclor 1260	11096-82-5	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1268	11100-14-4	<0.10	0.10	mg/kg	9/26/2018
Extraction: SW846-3550A		Complete			9/21/2018

Surrogate	Percent Recovery	Recovery Limits
Tetrachloro-m-xylene	117	(59 - 137)
Decachlorobiphenyl	102	(61 - 128)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-016
Client ID: OH42143-091718-16
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: MRP

Date Sampled: 09/17/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Semi-volatile Organic TCLP: SW846-8270C					
o-Cresol	95-48-7	<0.050	0.050	mg/liter	9/24/2018
m & p-Cresol	1319-77-3	<0.050	0.050	mg/liter	9/24/2018
1,4-Dichlorobenzene	106-46-7	<0.050	0.050	mg/liter	9/24/2018
2,4-Dinitrotoluene	121-14-2	<0.050	0.050	mg/liter	9/24/2018
Hexachlorobenzene	118-74-1	<0.050	0.050	mg/liter	9/24/2018
Hexachlorobutadiene	87-68-3	<0.050	0.050	mg/liter	9/24/2018
Hexachloroethane	67-72-1	<0.050	0.050	mg/liter	9/24/2018
Nitrobenzene	98-95-3	<0.050	0.050	mg/liter	9/24/2018
Pentachlorophenol	87-86-5	<0.25	0.25	mg/liter	9/24/2018
Pyridine	110-86-1	<0.050	0.050	mg/liter	9/24/2018
2,4,5-Trichlorophenol	95-95-4	<0.050	0.050	mg/liter	9/24/2018
2,4,6-Trichlorophenol	88-06-2	<0.050	0.050	mg/liter	9/24/2018
Extraction: SW846-3510C		Complete			9/24/2018
TCLP Extraction: SW846-1311		Complete			9/19/2018

Surrogate	Percent Recovery	Recovery Limits
Nitrobenzene-d5	69.7	(35 - 114)
2-Fluorobiphenyl	69.3	(43 - 116)
p-Terphenyl-d14	89.7	(33 - 141)
2-Fluorophenol	20.3	(14 - 60)
Phenol-d6	30.4	(4 - 50)
2,4,6-Tribromophenol	91.7	(49 - 130)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-016
Client ID: OH42143-091718-16
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: CMW

Date Sampled: 09/17/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Volatile Organic TCLP: SW846-8260A					
Benzene	71-43-2	<0.10	0.10	mg/liter	9/25/2018
Carbon tetrachloride	56-23-5	<0.10	0.10	mg/liter	9/25/2018
Chlorobenzene	108-90-7	<0.10	0.10	mg/liter	9/25/2018
Chloroform	67-66-3	<0.10	0.10	mg/liter	9/25/2018
1,2-Dichloroethane	107-06-2	<0.10	0.10	mg/liter	9/25/2018
1,1-Dichloroethene	75-35-4	<0.10	0.10	mg/liter	9/25/2018
Methyl ethyl ketone	78-93-3	<1.0	1.0	mg/liter	9/25/2018
Tetrachloroethene	127-18-4	<0.10	0.10	mg/liter	9/25/2018
Trichloroethylene	79-01-6	<0.10	0.10	mg/liter	9/25/2018
Vinyl chloride	75-01-4	<0.10	0.10	mg/liter	9/25/2018
ZHE TCLP Extraction:SW846-1311		NA			9/25/2018

Surrogate	Percent Recovery	Recovery Limits
1,2-Dichloroethane-d4	96.2	(69 - 146)
Toluene-d8	98.0	(74 - 131)
4-Bromofluorobenzene	84.9	(77 - 134)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-016
Client ID: OH42143-091718-16
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: LAF

Date Sampled: 09/17/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Polychlorinated Biphenyls: SW846-8082A					
Aroclor 1016	12674-11-2	<0.19	0.19	mg/kg	9/26/2018
Aroclor 1221	11104-28-2	<0.19	0.19	mg/kg	9/26/2018
Aroclor 1232	11141-16-5	<0.19	0.19	mg/kg	9/26/2018
Aroclor 1242	53469-21-9	<0.19	0.19	mg/kg	9/26/2018
Aroclor 1248	12672-29-6	<0.19	0.19	mg/kg	9/26/2018
Aroclor 1254	11097-69-1	<0.19	0.19	mg/kg	9/26/2018
Aroclor 1260	11096-82-5	<0.19	0.19	mg/kg	9/26/2018
Aroclor 1268	11100-14-4	<0.19	0.19	mg/kg	9/26/2018
Extraction: SW846-3550A		Complete			9/21/2018

Surrogate	Percent Recovery	Recovery Limits
Tetrachloro-m-xylene	98.2	(59 - 137)
Decachlorobiphenyl	92.4	(61 - 128)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-017
Client ID: OH42143-091018-01PCB
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: LAF

Date Sampled: 09/10/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Polychlorinated Biphenyls: SW846-8082A					
Aroclor 1016	12674-11-2	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1221	11104-28-2	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1232	11141-16-5	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1242	53469-21-9	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1248	12672-29-6	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1254	11097-69-1	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1260	11096-82-5	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1268	11100-14-4	<0.10	0.10	mg/kg	9/26/2018
Extraction: SW846-3550A		Complete			9/21/2018

Surrogate	Percent Recovery	Recovery Limits
Tetrachloro-m-xylene	109	(59 - 137)
Decachlorobiphenyl	101	(61 - 128)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-018
Client ID: OH42143-091018-02PCB
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: LAF

Date Sampled: 09/10/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Polychlorinated Biphenyls: SW846-8082A					
Aroclor 1016	12674-11-2	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1221	11104-28-2	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1232	11141-16-5	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1242	53469-21-9	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1248	12672-29-6	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1254	11097-69-1	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1260	11096-82-5	<0.10	0.10	mg/kg	9/26/2018
Aroclor 1268	11100-14-4	<0.10	0.10	mg/kg	9/26/2018
Extraction: SW846-3550A		Complete			9/21/2018

Surrogate	Percent Recovery	Recovery Limits
Tetrachloro-m-xylene	111	(59 - 137)
Decachlorobiphenyl	103	(61 - 128)

EA GROUP
Environmental Analysis and Management

EAG Workorder 1809-00214
EAG ID: 1809-00214-019
Client ID: OH42143-091018-03PCB
Client Project: Simonds Cutting Tools

Matrix: Solid
Analyst: LAF

Date Sampled: 09/10/2018
Time Sampled:
Date Received: 09/18/2018

Parameter	CAS #	Result	Reporting Limit	Units	Date Analyzed
Polychlorinated Biphenyls: SW846-8082A					
Aroclor 1016	12674-11-2	<0.12	0.12	mg/kg	9/26/2018
Aroclor 1221	11104-28-2	<0.12	0.12	mg/kg	9/26/2018
Aroclor 1232	11141-16-5	<0.12	0.12	mg/kg	9/26/2018
Aroclor 1242	53469-21-9	<0.12	0.12	mg/kg	9/26/2018
Aroclor 1248	12672-29-6	<0.12	0.12	mg/kg	9/26/2018
Aroclor 1254	11097-69-1	<0.12	0.12	mg/kg	9/26/2018
Aroclor 1260	11096-82-5	<0.12	0.12	mg/kg	9/26/2018
Aroclor 1268	11100-14-4	<0.12	0.12	mg/kg	9/26/2018
Extraction: SW846-3550A		Complete			9/21/2018

Surrogate	Percent Recovery	Recovery Limits
Tetrachloro-m-xylene	116	(59 - 137)
Decachlorobiphenyl	101	(61 - 128)

EA GROUP
Environmental Analysis
and Management

1809-00214

Listed below are the TCLP regulatory limits. If you have any questions regarding the results or the regulatory limits, please contact Client Services. Source: 40CFR 261.

TCLP Metals:	**mg/liter**
Arsenic	5.0
Barium	100.0
Cadmium	1.0
Chromium	5.0
Lead	5.0
Mercury	0.2
Selenium	1.0
Silver	5.0

TCLP Semi-volatiles:	**mg/liter**
1,4-Dichlorobenzene	7.5
2,4-Dinitrotoluene	0.13
Hexachlorobenzene	0.13
Hexachlorobutadiene	0.5
Hexachloroethane	3.0
Nitrobenzene	2.0
Pyridine	5.0
o-Cresol	200.0
m-Cresol	200.0
p-Cresol	200.0
Cresol (total)	200.0
Pentachlorophenol	100.0
2,4,5-Trichlorophenol	400.0
2,4,6-Trichlorophenol	2.0

Characterization Parameters:	**Acceptable limits**
Corrosivity	2-12.5 pH units
Flashpoint	>140 degrees F
Ignitability (solid burn rate)	<2.2 mm/second
Reactive Cyanide*	<250 mg/kg
Reactive Sulfide*	<500 mg/kg

TCLP Volatiles:	**mg/liter**
Benzene	0.5
Carbontetrachloride	0.5
Chlorobenzene	100.0
Chloroform	6.0
1,2-Dichloroethane	0.5
1,1-Dichloroethene	0.7
Methyl ethyl ketone	200.0
Tetrachloroethene	0.7
Trichloroethene	0.5
Vinyl Chloride	0.2

TCLP Pesticides:	**mg/liter**
Chlordane	0.03
Endrin	0.02
Heptachlor	0.008
Heptachlor Epoxide	0.008
Lindane	0.4
Methoxychlor	10.0
Toxaphene	0.5

TCLP Herbicides:	**mg/liter**
2,4-D	10.0
2,4,5-TP (Silvex)	1.0

* EA Group uses the industry standard for the analysis of reactivity. However, the EPA has withdrawn guidance concerning this method. Further evaluation may be required to determine whether a waste is 'reactive'. The generator should contact the waste handler or the EPA for further guidance.

FIELD REQUEST FOR LABORATORY ANALYSIS

Company Name: Brownfield Restoration Grp.

Address: 1000 S. Cleveland-Massillon Rd

Akron, OH 44333

Attention: Jody Kaufman

Customer Number: 0011233

Telephone: 330-668-4600 e-mail: jodykaufman@brgroupllc.com

Sampled by: Kovell / Brown

Project Name: Simonds Cutting Tools Project Number OH 42143

Rush Authorized by: Project Category: ENV

Special Billing/Reporting:

Results Needed By:	9-25-18
Normal:	X
RUSH:	
Priority:	(confirm w/ lab)
Date:	Time:

Is this a VAP project requiring VAP lab analysis? Yes ____ No X

Is this a BUSTR project requiring BUSTR lab analysis? Yes ____ No X

Internal Contact: Bowen

CHAIN OF CUSTODY

Relinquished by		Received by	
Name	Date/Time	Name	Date/Time
Craig	9-18-18 0830	J. Bowen	9-18-18 9:00

EA GROUP FIELD OPERATIONS - REQUEST FOR LABORATORY ANALYSIS

Page: ____ of ____

Sample No. OH 72173	Split ID	Date/Time Collected	Matrix/ Media	Area/Vol. (units)	1	2	3	4	5	6	7	8	9	Comments	VAP? BUSTR?
091618-01TCLP		9-10-18	B		X										NO
091118-02TCLP		9-11-18			X										
↓ -03TCLP		↓			X										
091318-04TCLP		09-13-18			X										
↓ -05TCLP		↓				X	X	X	X						
091418-06TCLP		9-14-18			X										
-07TCLP					X										
-08TCLP					X										
-09TCLP					X										
-10TCLP					X										
-11TCLP					X										
-12TCLP					X										
-13TCLP					X										
↓ -14TCLP		↓			X										
091418-15TCLP		9-14-18				X	X	X	X						
091718-16TCLP		9-17-18				X	X	X	X						
091018-01PCB		9-10-18							X						
↓ -02PCB		↓							X						
↓ -03PCB		↓	↓						X						↓

Media:

A1	Air (25 mm)	A6	Air (impinger)	SL	Sludge/Slurry
A2	Air (37 mm)	B	Bulk	SW	Swab
A3	Air (sorbent)	R/CC	Char. Canister	O	Oil
A4	Air (badge)	R/AT	Alpha track	W	Water/Liquid
A5	Air (bag)	S	Soil	DW	Drinking Water

Sample condition upon receipt:
Intact ___
Not Intact ___

Analytes:

1 TCLP lead
2 TCLP VOCs
3 TCLP SVOCs
4 TCLP metals
5 PCBs
6 ____
7 ____
8 ____
9 ____

ATTACHMENT E

E. Simonds site phase 1 environmental study report document upon request.