

ADDENDUM NO. 1

April 11, 2022

SCHOOL CITY OF HAMMOND - ROOFING, HVAC, AND ELECTRICAL PROJECT Hammond, IN 46320

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated March 16, 2022 by Schmidt Associates. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of page ADD 1-1 and attached Addendum No. 1 from Schmidt Associates dated April 7, 2022 and consisting of 3 pages and 1 drawing.

A. SPECIFICATION SECTION 00 20 00 - INFORMATION AVAILABLE TO BIDDERS

1. Add:

- a. Gymnasium Flooring Limited Pre-Renovation Asbestos Survey by Amereco, Inc.
- b. Scott Middle School Limited Pre-Renovation Asbestos Survey by Amereco, Inc.

B. SPECIFICATION SECTION 00 31 00 - BID FORM

1. Replace:

- a. Specification Section 00 31 00 - Bid Form with the attached revised section.

C. SPECIFICATION SECTION 01 23 00 - ALTERNATES

1. Replace:

- a. Specification Section 01 23 00 Alternates with the attached revised section



Limited Pre-Renovation Asbestos Survey

Site:

Gymnasium Flooring
Scott Middle School
3635 173rd Street
Hammond, IN 46323

Prepared For:

Mr. David Reyes
School City of Hammond
Maintenance Department
3751 E. 171st Street
Hammond, IN 46323

Project Number: 21.1468.1

Report Date: June 21, 2021

Amereco, Inc. 54 Michigan Avenue, Valparaiso, IN 46383



AMERECO, INC.

CONSULTING • ENGINEERING • PROJECT MANAGEMENT ®  15
OVER 25 YEARS OF EXCEPTIONAL SERVICE

June 21, 2021

Mr. David Reyes
School City of Hammond
Maintenance Department
3751 171st Street
Hammond, IN 46323

**Re: Limited Pre-Renovation Asbestos Survey
Gymnasium Flooring
Scott Middle School
3635 173rd Street
Hammond, IN 46323
Project No. 21.1468.1**

Dear Mr. Reyes:

Thank you for the opportunity to provide you and the School City of Hammond with this service. Attached please find the report associated with the pre-renovation asbestos survey completed in the gymnasium area of the Scott Middle School building located at the above-mentioned address. This survey was conducted on June 14, 2021, by, Jeff Rugg an Indiana Department of Environmental Management Licensed Asbestos Inspector (IDEM), License No. 194722076, Exp. Date 09/24/2021. All sampling and analyses were performed in accordance with all applicable local, state, and federal rules and regulations.

The requested suspect asbestos-containing materials that are to be removed or likely disturbed during the replacement of the wood gymnasium floor were sampled and analyzed for asbestos content by Polarized Light Microscopy (EPA Method 600/R-93/116). Bulk sample analysis of the sample collected during the inspection did not identify any asbestos-containing materials (ACMs) present. In addition, the inspection of the wooden gym floor did not identify any suspect asbestos-containing materials to be located beneath the flooring.

Please be advised that the inspection was limited to the access hold cut in the wooden floor. Therefore, during removal of the gymnasium floor, additional suspect ACMs may be uncovered that were previously inaccessible. If suspect ACMs are identified during removal of the flooring, an Indiana licensed asbestos inspector should be contacted to perform an inspection and collect additional samples.

Please call if you have any questions or if additional assistance can be provided.

Respectfully,



Jeff Rugg
Senior Environmental Manager

Attachments

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Attachments

Site Drawings	3 Pages
Sample Log Form and Analytical Report – PLM Bulk	1 Page

1.0 Background

Amereco Engineering (Amereco) was retained by the School City of Hammond, (Client) to conduct a limited pre-renovation asbestos survey within the gymnasium areas of the Scott Middle School building located at 3635 173rd Street, Hammond, IN. This limited pre-renovation asbestos survey was performed to identify any materials that will need to be addressed prior to or during the replacement of the wood gymnasium floor. The survey was performed in accordance with the Indiana Department of Environmental Management (IDEM) and the US Environmental Protection Agency (EPA) rules and regulations, specifically, the National Emission Standard for Hazardous Air Pollutants (NESHAP) and the Asbestos Hazard Emergency Response Act (AHERA).

Please be advised that the pre-renovation asbestos survey was limited to the gymnasium flooring and associated base cove molding. Therefore, additional asbestos-containing materials are likely located in areas not inspected and materials not sampled.

2.0 Inspection

On June 14, 2021, Amereco performed the limited pre-renovation asbestos survey. The structure is one-story with a concrete slab on grade. The building is constructed of steel, metal, concrete, fiberglass insulation and built-up roofing. The interior of the building has primarily been finished with lay-in ceiling tiles, drywall, plaster, vinyl flooring, carpeting, metal, wood, and concrete block.

All suspect asbestos-containing materials (ACMs) were categorized into separate homogeneous materials and sampled accordingly. A homogeneous sample area is defined by the U.S. Environmental Protection Agency (EPA) as an area of surfacing material, thermal insulation, or miscellaneous material that is uniform in color and texture (Asbestos Hazard Emergency Response Act [AHERA] 40 CFR 763 Subpart E). One (1) bulk sample of suspect ACM was collected by Jeff Rugg, License Number 19A009608, Exp. 08/13/2021.

To avoid disturbing the material more than necessary and potentially cause the release of asbestos fibers, the inspector performed bulk sampling of suspect ACMs in accordance with generally accepted procedures outlined by the EPA. Each sample was collected and placed in a clean, sealable container and labeled with a unique sample identification number. The sample number was recorded on a Bulk Sample Log Form and on the sample container to permit easy identification of the sampled material. Supplemental information was also recorded on the Bulk Sample Log Form, including date of inspection, a brief description, location of the sample, quantity, and type (matrix) of material sampled.

Bulk samples were analyzed for asbestos fiber content by polarized light microscopy (PLM) (EPA-600/R-93/116). This analytical method, which EPA and OSHA currently recommend for the determination of asbestos in bulk samples of friable materials, can be used for qualitative identification of six morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite asbestos. The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage within the range of 0 to 100. Minute quantities of asbestos in bulk samples may be reported as "trace" or less than 1 percent (<1%). The analytical method determines the asbestos percentage by means of the visual estimation technique. By EPA and OSHA definition, materials containing greater than 1% asbestos content are defined as an asbestos-containing material.

3.0 Findings

Bulk sample analysis of the sample collected during the inspection did not identify any asbestos-containing materials (ACMs) present. In addition, the inspection of the wooden gym floor did not identify any suspect asbestos-containing materials to be located beneath the flooring.

4.0 Conclusion

Based on the results of the limited pre-renovation asbestos survey, no further precautions are required during replacement of the wooden gymnasium flooring. Please be advised that the inspection was limited to the access hold cut in the wooden floor. Therefore, during removal of the gymnasium floor, additional suspect ACMs may be uncovered that were previously inaccessible. If suspect ACMs are identified during removal of the flooring, an Indiana licensed asbestos inspector should be contacted to perform an inspection and collect additional samples.

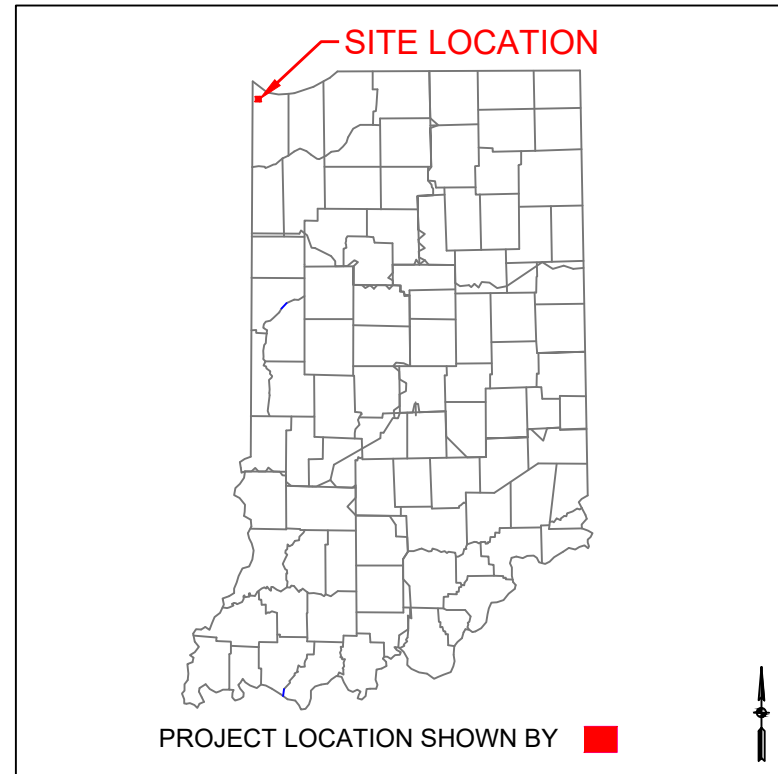
5.0 Report Limitations

Amereco made a diligent effort to inspect the requested areas of the building to identify materials that may contain asbestos. However, renovation activities may uncover suspect ACMs that were previously inaccessible. In the event that ACMs are uncovered during the renovation project, such materials should be documented and handled accordingly.

The sampling and analyses were performed in accordance with all applicable state and federal rules and regulations governing asbestos inspections in public and commercial buildings. Quality control criteria specific to the analytical method have been met. All QA/QC documentation will remain on file for future reference.

Attachments

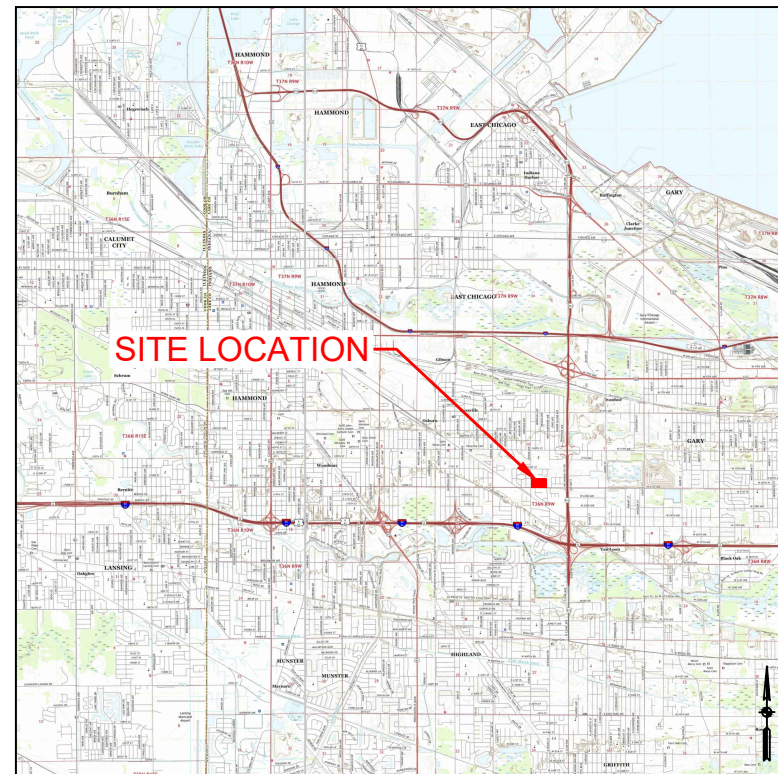
SCOTT MIDDLE SCHOOL PRE-RENOVATION ASBESTOS SURVEY: GYMNASIUM FLOORING



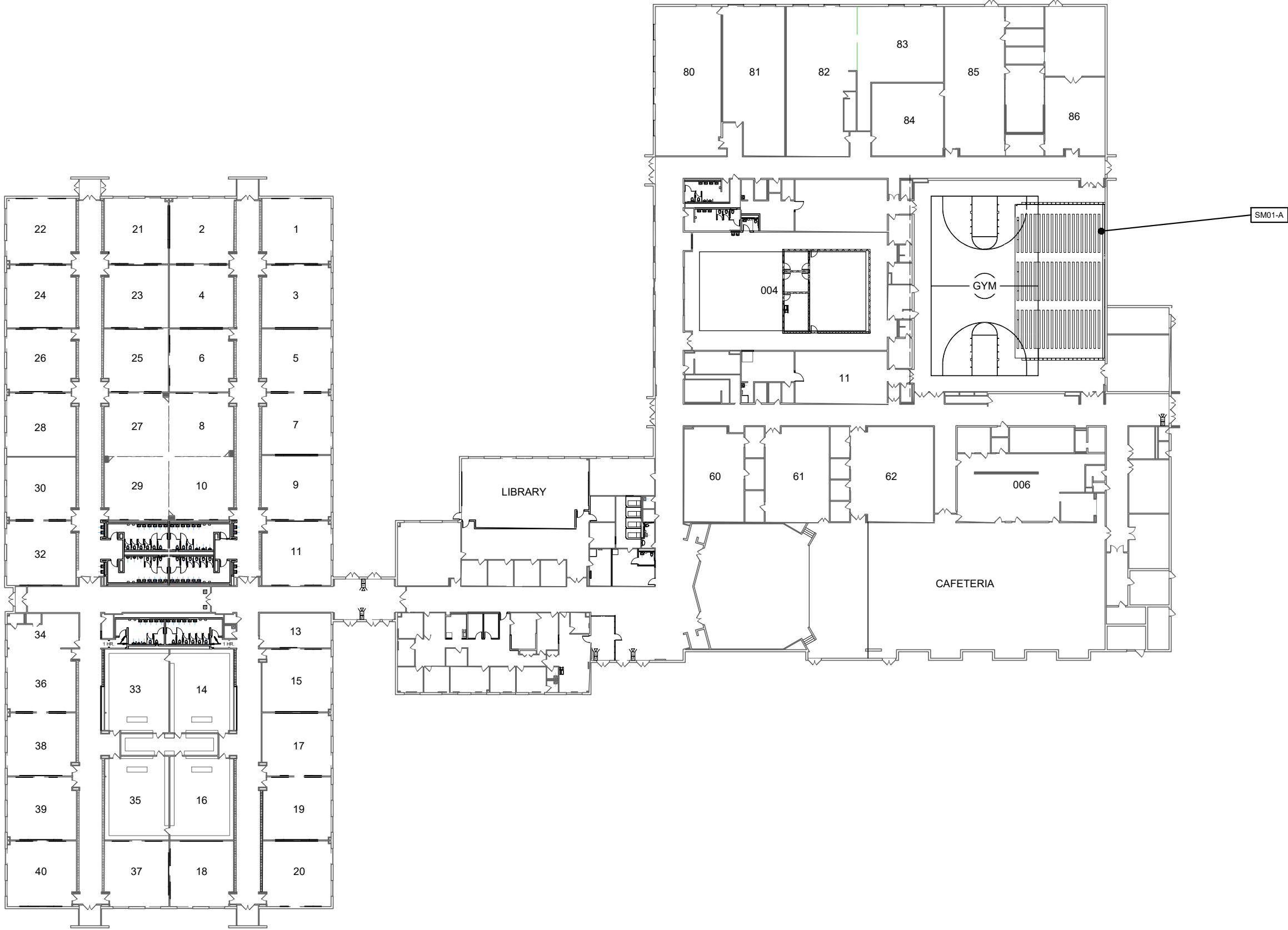
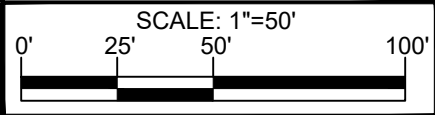
SCHOOL CITY OF HAMMOND
3741 171st STREET
HAMMOND, IN 46323

Drawing Index

FIGURE 1	COVER SHEET
FIGURE 2	LEVEL 1: SAMPLE LOCATIONS
FIGURE 3	LEVEL 1: ACM LOCATIONS



INDIANA	PROJECT NUMBER:	21.1468
	DATE: JULY 27, 2021	
	APPROVD: J. BLOSKY	
	DESIGNED: J. RUGG	
	DRAWN: L. SALTER	
	NO.	
	REVISION	
	BT	
	DATE	



LEGEND

SXX-X SAMPLE LOCATION



SHEET 2 OF 3

FIGURE

2

GYMNASIUM: SAMPLE LOCATIONS

LIMITED PRE-RENOVATION ASBESTOS SURVEY
SCOTT MIDDLE SCHOOL

HAMMOND

3635 173rd STREET

INDIANA

DRAWN: L. SALTER

DESIGNED: J. RUGG

APPROVED: J. BLOSKY

DATE: JULY 27, 2021

PROJECT NUMBER:

21.1468

NO

REVISION

BY

DATE



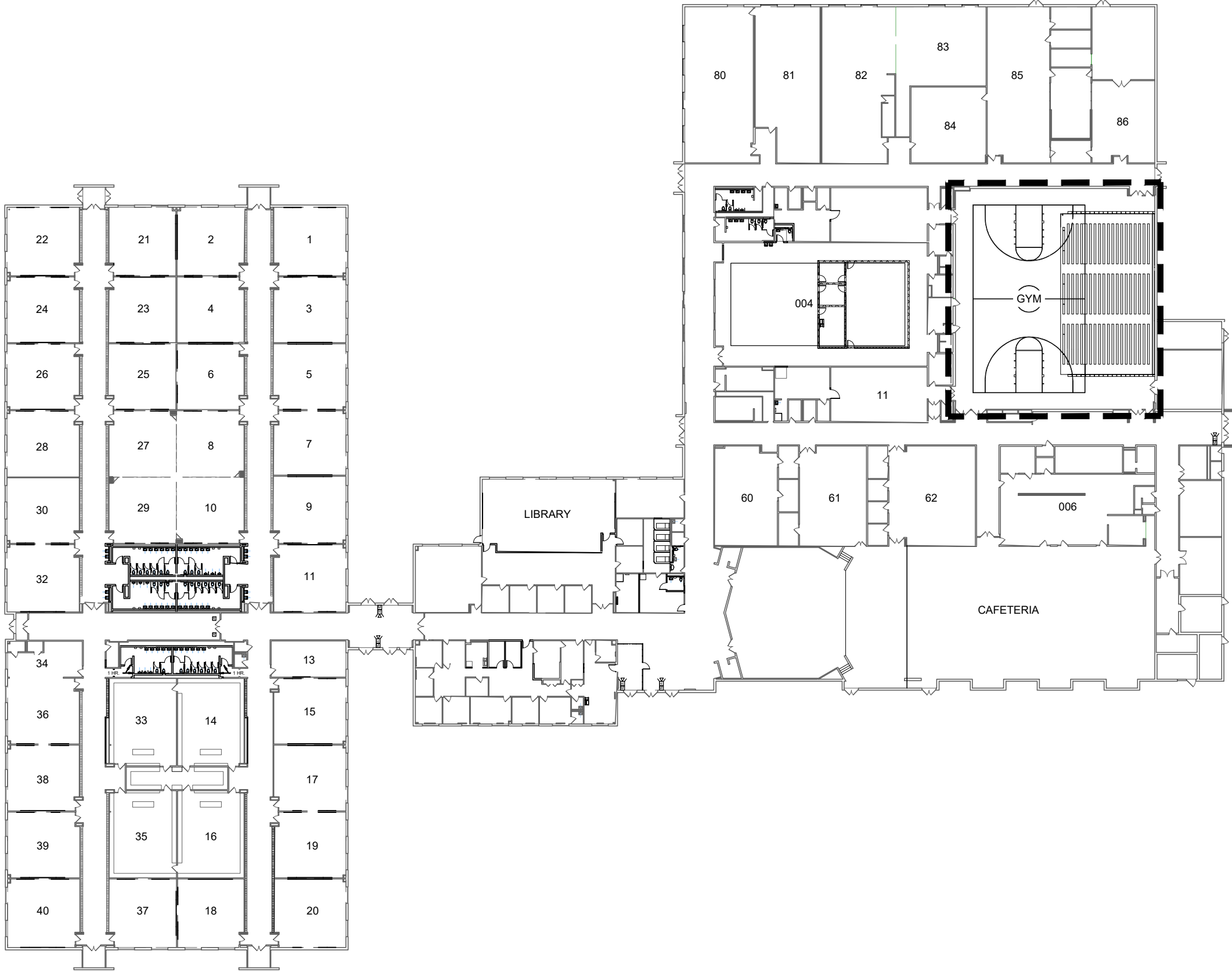
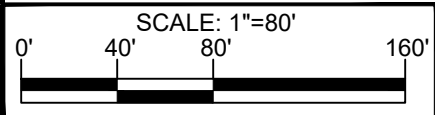
AMERECO, INC.

CONSULTING ENGINEERS-PROJECT MANAGERS

54 MICHIGAN AVENUE

VALPARAISO, IN 46383

219-531-0531



HOMOGENOUS AREAS KEY

1. AREAS INSPECTED (NO ASBESTOS CONTAINING MATERIALS IDENTIFIED)

GENERAL NOTES

- A. DRAWING IS FOR REPRESENTATION PURPOSES.
B. FLOOR PLANS PROVIDED BY CLIENT.
C. EFFORT HAS BEEN MADE TO IDENTIFY LOCATIONS & QUANTITIES OF MATERIALS OF CONCERN. CONTRACTOR SHALL VERIFY LOCATIONS & QUANTITIES OF ACM.
D. THIS INSPECTION IS LIMITED TO THE GYMNASIUM.

SHEET 3 OF 3	GYMNASIUM: ACM LOCATIONS		DRAWN: L. SALVER	NO.	REVISION	BY	DATE
	LIMITED PRE-RENOVATION ASBESTOS SURVEY		DESIGNED: J. RUGG	✓			
3	SCOTT MIDDLE SCHOOL		APPRVD: J. BLOSKY	✓			
			DATE: JULY 27, 2021	✓			
			PROJECT NUMBER:	✓			
			21.1468	✓			
				✓			
HAMMOND		3635 173rd STREET	INDIANA				

SAMPLE LOG FORM AND ANALYTICAL REPORT

Client: School City of Hammond
Mr. David Reyes
3751 171st Street
Hammond, IN 46323

Project: Gymnasium - Floor
Scott Middle School
3635 173rd Street
Hammond, IN 46323

Project No. 21.1468.1

Date Sampled: June 14, 2021

Analysis: Asbestos - Bulk

Method: Polarized Light Microscopy (PLM) (EPA 600/R-93/116)

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
SM01-A	MISC	Vinyl Base Cove Molding Thick - Black Gymnasium	ND	Binder 99-100%

ND = None Detected = Asbestos not detected above the detection limit of PLM Methodology.

Analyzed by: SAC

Ref Number: 353058

Inspector: _____

Jeff Rugg
License No. 194722076
Expiration Date: 09/24/2021

BUR = Built-up Roofing
TSI = Thermal System Insulation
SURF = Surfacing Material
MISC = Miscellaneous Material
Other = Binder Constituents



Limited Pre-Renovation Asbestos Survey

Site:

Scott Middle School
3635 173rd Street
Hammond, IN 46323

Prepared For:

Mr. David Reyes
School City of Hammond
Maintenance Department
3751 E. 171st Street
Hammond, IN 46323

Project Number: 21.1468.2

Report Date: July 28, 2021

Amereco, Inc. 54 Michigan Avenue, Valparaiso, IN 46383



AMERECO, INC.

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OVER 25 YEARS OF EXCEPTIONAL SERVICE

July 28, 2021

Mr. David Reyes
School City of Hammond
Maintenance Department
3751 171st Street
Hammond, IN 46323

**Re: Limited Pre-Renovation Asbestos Survey
Scott Middle School
3635 173rd Street
Hammond, IN 46323
Project No. 21.1468.2**

Dear Mr. Reyes:

Thank you for the opportunity to provide you and the School City of Hammond with this service. Attached please find the report associated with the pre-renovation asbestos survey completed in the requested areas of the Scott Middle School building located at the above-mentioned address. This survey was conducted on July 19, 2021, by, Devyn Unger an Indiana Department of Environmental Management Licensed Asbestos Inspector (IDEM), License No. 19A009608, Exp. Date 08/13/2021. All sampling and analyses were performed in accordance with all applicable local, state, and federal rules and regulations.

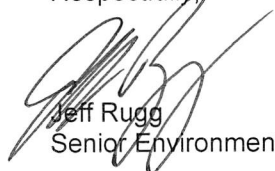
The requested suspect asbestos-containing materials that are to be removed or likely disturbed during the renovation project were sampled and analyzed for asbestos content by Polarized Light Microscopy (EPA Method 600/R-93/116). The following asbestos materials were identified:

Asbestos-Containing Material	Confirmed Location	Friability	Estimated Quantity
Floor Tile and/or Associated Black Mastic	Throughout Work Areas	NF	34,100 SF
Sink Insulation	Main Office Lounge and East Room and Teachers' Lounge Near Auditorium	NF	3 Sinks / 12 SF
Radiator Mastic	Throughout Work Areas – Behind Radiator Cabinets	ND	TBD

All asbestos-containing materials must be handled following all applicable local, state, and federal rules and regulations.

Please call if you have any questions or if additional assistance can be provided.

Respectfully,



Jeff Rugg
Senior Environmental Manager

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Site Drawings	3 Pages
Sample Log Form and Analytical Report – PLM Bulk	5 Pages

1.0 Background

Amereco Engineering (Amereco) was retained by the School City of Hammond, (Client) to conduct a limited pre-renovation asbestos survey within the requested areas of the Scott Middle School building located at 3635 173rd Street, Hammond, IN. This limited pre-renovation asbestos survey was performed to identify any materials that will need to be addressed prior to or during the future renovation project. The survey was performed in accordance with the Indiana Department of Environmental Management (IDEM) and the US Environmental Protection Agency (EPA) rules and regulations, specifically, the National Emission Standard for Hazardous Air Pollutants (NESHAP) and the Asbestos Hazard Emergency Response Act (AHERA).

Please be advised that the pre-renovation asbestos survey was limited to the requested rooms/areas and materials. Therefore, additional asbestos-containing materials are likely located in areas not inspected and materials not sampled.

2.0 Inspection

On July 19, 2021, Amereco performed the limited pre-renovation asbestos survey. The structure is one-story with a concrete slab on grade. The building is constructed of steel, metal, concrete, fiberglass insulation and built-up roofing. The interior of the building has primarily been finished with lay-in ceiling tiles, drywall, plaster, vinyl flooring, carpeting, metal, wood, and concrete block.

All suspect asbestos-containing materials (ACMs) were categorized into separate homogeneous materials and sampled accordingly. A homogeneous sample area is defined by the U.S. Environmental Protection Agency (EPA) as an area of surfacing material, thermal insulation, or miscellaneous material that is uniform in color and texture (Asbestos Hazard Emergency Response Act [AHERA] 40 CFR 763 Subpart E). A total of sixty-two (62) bulk sample of suspect ACM were collected by Devyn Unger, License Number 19A009608, Exp. 08/13/2021.

To avoid disturbing the material more than necessary and potentially cause the release of asbestos fibers, the inspector performed bulk sampling of suspect ACMs in accordance with generally accepted procedures outlined by the EPA. Each sample was collected and placed in a clean, sealable container and labeled with a unique sample identification number. The sample number was recorded on a Bulk Sample Log Form and on the sample container to permit easy identification of the sampled material. Supplemental information was also recorded on the Bulk Sample Log Form, including date of inspection, a brief description, location of the sample, quantity, and type (matrix) of material sampled.

Bulk samples were analyzed for asbestos fiber content by polarized light microscopy (PLM) (EPA-600/R-93/116). This analytical method, which EPA and OSHA currently recommend for the determination of asbestos in bulk samples of friable materials, can be used for qualitative identification of six morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite asbestos. The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage within the range of 0 to 100. Minute quantities of asbestos in bulk samples may be reported as "trace" or less than 1 percent (<1%). The analytical method determines the asbestos percentage by means of the visual estimation technique. By EPA and OSHA definition, materials containing greater than 1% asbestos content are defined as an asbestos-containing material.

3.0 **Findings**

Bulk sample analyses of the samples collected identified the following asbestos-containing materials (ACMs):

Asbestos Containing Material	Friability	Condition
Floor Tile and/or Associated Black Mastic	NF	Intact
Sink Insulation – Pink	NF	Intact
Radiator Mastic – Brown	NF	Intact
Floor Tile and Associated Black Mastic Under Carpeting	NF	Intact
Sink Insulation – Grayish White	NF	Intact

4.0 **Conclusion**

Based on the results of the limited pre-renovation asbestos survey, the asbestos-containing floor tile and/or associated black mastic, sinks containing asbestos insulation and radiator mastic should be removed by properly trained/licensed personnel if the materials will be removed and/or disturbed during the project.

All asbestos-containing materials must be handled following all local, state, and federal rules and regulations.

5.0 **Report Limitations**

Amereco made a diligent effort to inspect the requested areas of the building to identify materials that may contain asbestos. However, renovation activities may uncover suspect ACMs that were previously inaccessible. In the event that ACMs are uncovered during the renovation project, such materials should be documented and handled accordingly.

The sampling and analyses were performed in accordance with all applicable state and federal rules and regulations governing asbestos inspections in public and commercial buildings. Quality control criteria specific to the analytical method have been met. All QA/QC documentation will remain on file for future reference.

Attachments

QUANTITIES SCHEDULE

ASBESTOS-CONTAINING MATERIALS:

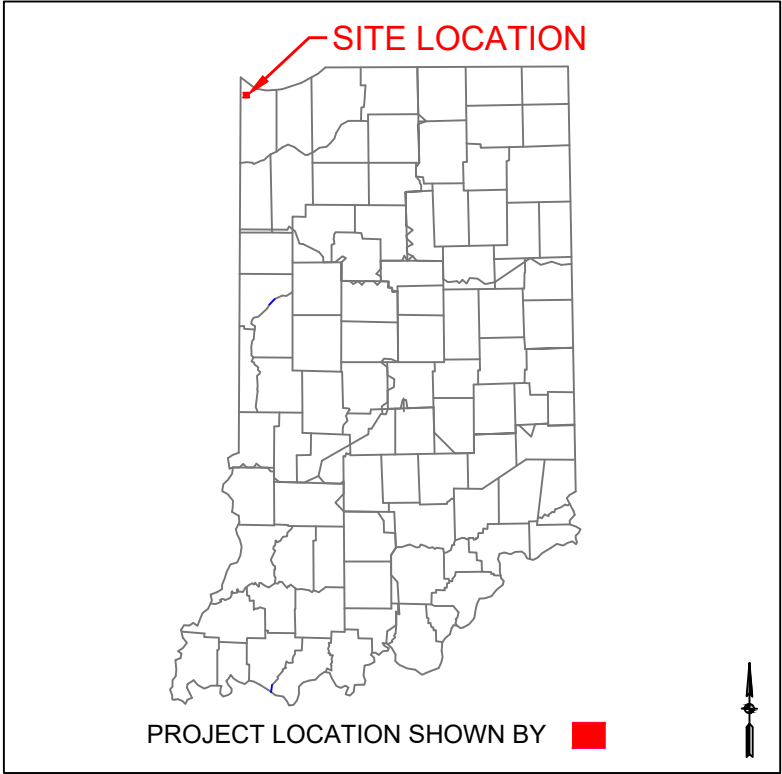
1	Floor Tile and/or Associated Black Mastic	Cat-I	34,100 SF
2	Sink Insulation	Cat-II	3 Sinks / 12 SF
3	Radiator Mastic	Cat-II	TBD

Notes:

1. SF – Square Feet
2. LF – Linear Feet
3. TBD – To Be Determined
4. Quantities are approximate and must be verified by the asbestos contractor.
5. All black mastic located within the renovation area has been determined to contain asbestos.
6. Laboratory tops will need to be visually inspected during removal to determine if they contain asbestos. Only the laboratory tops containing the gray interior have been identified to contain asbestos.

SCOTT MIDDLE SCHOOL

PRE-RENOVATION ASBESTOS SURVEY

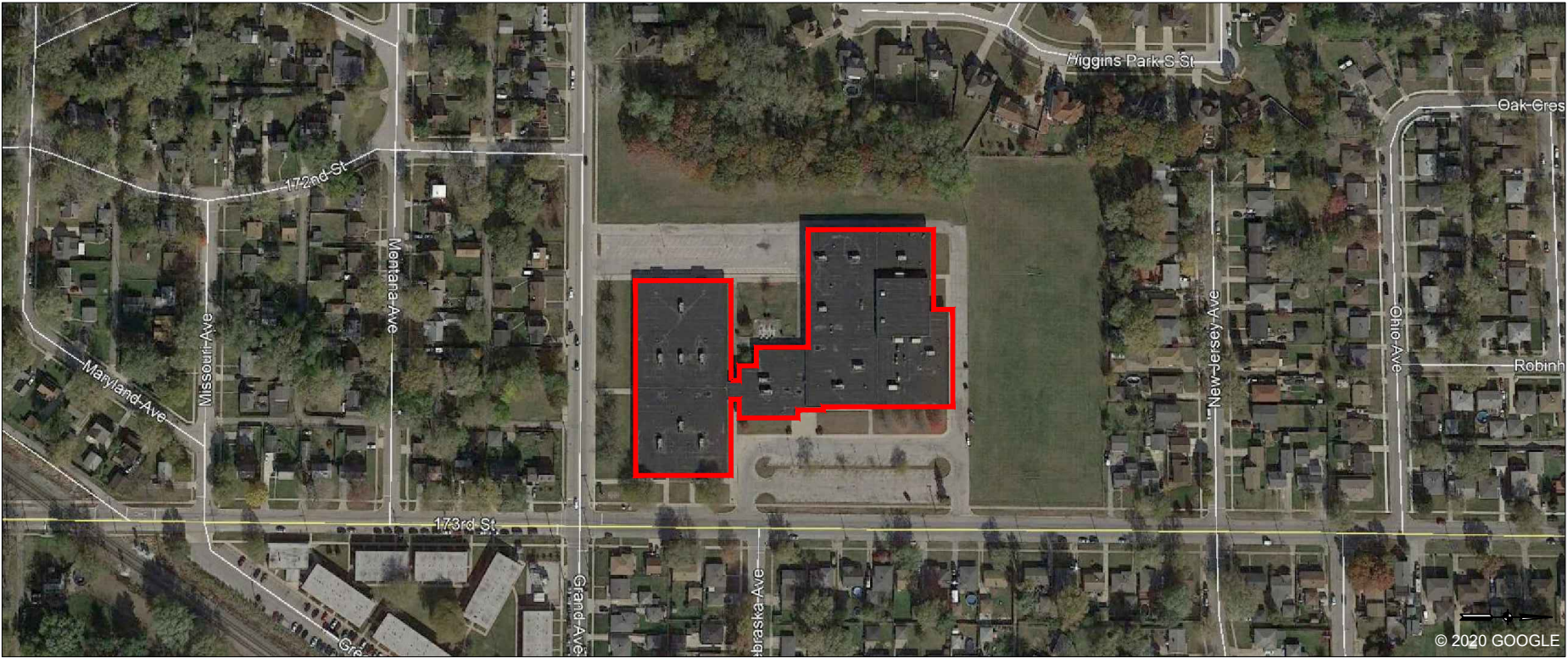
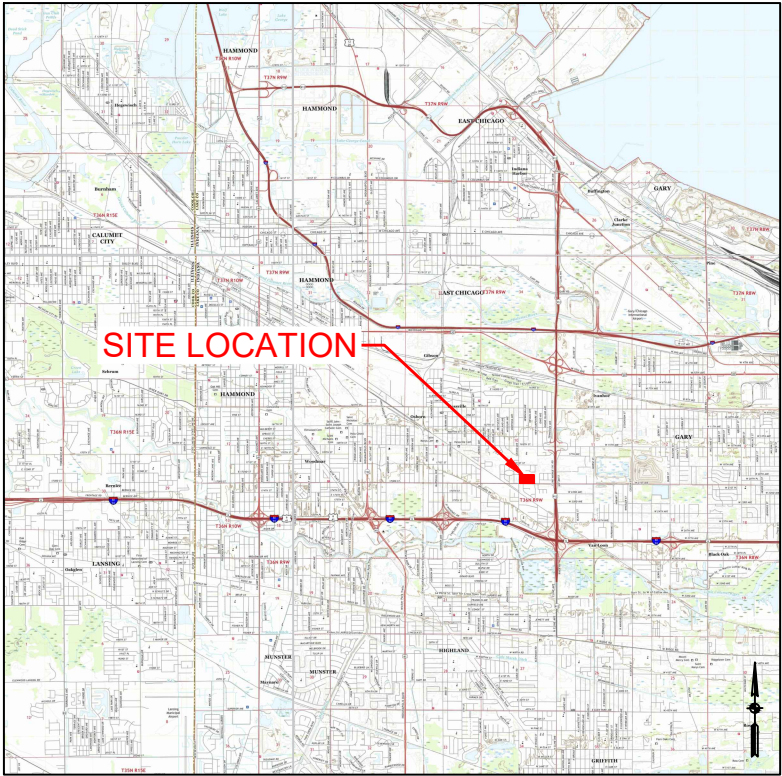




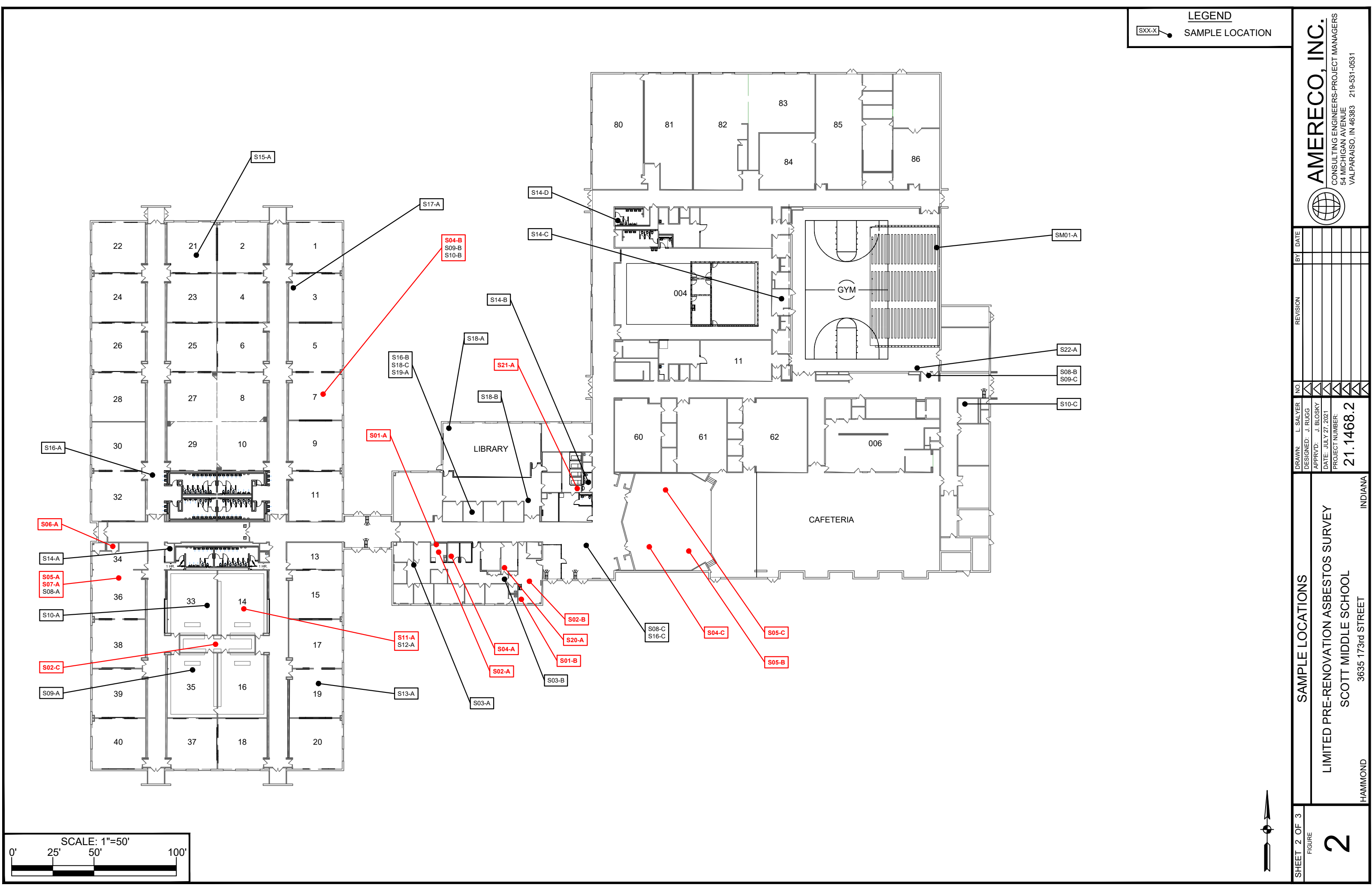
SCHOOL CITY OF
HAMMOND

SCHOOL CITY OF HAMMOND
3741 171st STREET
HAMMOND, IN 46323

Drawing Index	
FIGURE 1	COVER SHEET
FIGURE 2	SAMPLE LOCATIONS
FIGURE 3	ACM LOCATIONS



SHEET 1 OF 3 FIGURE 1	COVER SHEET	LIMITED PRE-RENOVATION ASBESTOS SURVEY SCOTT MIDDLE SCHOOL HAMMOND 3635 173rd STREET INDIANA	DRAWN: L. SALTER DESIGNED: J. RUGG APPROVD: J. BLOSKY DATE: JULY 27, 2021 PROJECT NUMBER: 21.1468.2	NO	REVISION	BY	DATE
				NO	REVISION	BY	DATE
				AMERECO, INC.	CONSULTING ENGINEERS-PROJECT MANAGERS 54 MICHIGAN AVENUE VALPARAISO, IN 46383 219-531-0531		



LEGEND

SXX-X SAMPLE LOCATION

AMERECO, INC.

CONSULTING ENGINEERS-PROJECT MANAGERS

54 MICHIGAN AVENUE

VALPARAISO, IN 46383

219-531-0531

BY

DATE

REVISION

NO

DRAWN: L. SALTER

DESIGNED: J. RUGG

APPROVD: J. BLOSKY

DATE: JULY 27, 2021

PROJECT NUMBER:

21.1468.2

SAMPLE LOCATIONS

LIMITED PRE-RENOVATION ASBESTOS SURVEY

SCOTT MIDDLE SCHOOL

3635 173rd STREET

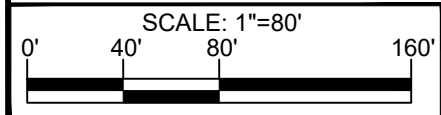
HAMMOND

INDIANA

SHEET 2 OF 3

FIGURE

2



HOMOGENOUS AREAS KEY

1.	FLOORING AND/OR ASSOCIATED BLACK MASTIC.....	
2.	SINK INSULATION	
3.	RADIATOR MASTIC - BROWN	
4.	AREA(S) NOT INSPECTED.....	

GENERAL NOTES

A. DRAWING IS FOR REPRESENTATION PURPOSES.

B. FLOOR PLANS PROVIDED BY CLIENT.

C. EFFORT HAS BEEN MADE TO IDENTIFY LOCATIONS & QUANTITIES OF MATERIALS OF CONCERN. CONTRACTOR SHALL VERIFY LOCATIONS & QUANTITIES OF ACM.

D. RADIATOR MASTIC (HA ID#3) LOCATED THROUGHOUT BUILDING. PRESUME TO BE LOCATED BEHIND ALL RADIATORS.

E. ACM = ASBESTOS-CONTAINING MATERIAL.

SHEET 3 OF 3 FIGURE	3	ACM LOCATIONS			DRAWN: L. SALTER DESIGNED: J. RUGG APPRVD: J. BLOSKY DATE: JULY 27, 2021 PROJECT NUMBER: 21.1468.2	NO.	REVISION	BY	DATE
		LIMITED PRE-RENOVATION ASBESTOS SURVEY SCOTT MIDDLE SCHOOL HAMMOND INDIANA 3635 173rd STREET							

AMERECO, INC.
CONSULTING ENGINEERS-PROJECT MANAGERS
54 MICHIGAN AVENUE
VALPARAISO, IN 46383 219-531-0531



SAMPLE LOG FORM AND ANALYTICAL REPORT

Client: School City of Hammond
 Mr. David Reyes
 3751 171st Street
 Hammond, IN 46323

Project: Scott Middle School
 3635 173rd Street
 Hammond, IN 46323

Project No. 21.1468.2

Date Sampled: July 19, 2021

Analysis: Asbestos - Bulk

Method: Polarized Light Microscopy (PLM) (EPA 600/R-93/116)

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
S01-A	SURF	Sink Insulation Pink Main Office – Lounge	Chrysotile 1-5%	Binder 95-99%
S01-B	SURF	Sink Insulation Pink Main Office – East Room	NA – Stop Positive	
S02-A	MISC	12"x12" Floor Tile Tan w/ Tan Flecks Main Office – Lounge	Chrysotile 1-5%	Binder 95-99%
S02-B	MISC	12"x12" Floor Tile Tan w/ Tan Flecks Main Office – East Room	NA – Stop Positive	
S02-C	MISC	12"x12" Floor Tile Tan w/ Tan Flecks Main Office – Entryway	NA – Stop Positive	
S02-A-M	MISC	Floor Tile Mastic Black Associated w/ Sample S02-A	Chrysotile 1-5%	Binder 95-99%
S02-B-M	MISC	Floor Tile Mastic Black Associated w/ Sample S02-B	NA – Stop Positive	
S02-C-M	MISC	Floor Tile Mastic Black Associated w/ Sample S02-C	NA – Stop Positive	
S03-A	MISC	Carpet Glue Yellow Main Office – Central Area	ND	Binder 99-100%

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
S03-B	MISC	Carpet Glue Yellow Main Office – East End of Hall	ND	Binder 99-100%
S04-A	MISC	12"x12" Floor Tile Blue w/ Light Blue Flecks Main Office – Front Desk	ND	Binder 99-100%
S04-B	MISC	12"x12" Floor Tile Blue w/ Light Blue Flecks Room 7	ND	Binder 99-100%
S04-C	MISC	12"x12" Floor Tile Blue w/ Light Blue Flecks Auditorium	ND	Binder 99-100%
S04-A-M	MISC	Floor Tile Mastic Black & Brown Associated w/ Sample S04-A	Chrysotile 1-5%	Binder 95-99%
S04-B-M	MISC	Floor Tile Mastic Black & Brown Associated w/ Sample S04-B	NA – Stop Positive	
S04-C-M	MISC	Floor Tile Mastic Black & Brown Associated w/ Sample S04-C	NA – Stop Positive	
S05-A	MISC	12"x12" Floor Tile Red/Tan w/ Brown & Cream Streaks Room 34-36	Chrysotile 1-5%	Binder 95-99%
S05-B	MISC	12"x12" Floor Tile Red/Tan w/ Brown & Cream Streaks Auditorium - East	NA – Stop Positive	
S05-C	MISC	12"x12" Floor Tile Red/Tan w/ Brown & Cream Streaks Auditorium - West	NA – Stop Positive	
S05-A-M	MISC	Floor Tile Mastic Black Associated w/ Sample S05-A	Chrysotile 1-5%	Binder 95-99%
S05-B-M	MISC	Floor Tile Mastic Black Associated w/ Sample S05-B	NA – Stop Positive	
S05-C-M	MISC	Floor Tile Mastic Black Associated w/ Sample S05-C	NA – Stop Positive	
S06-A	MISC	12"x12" Floor Tile Black/Gray w/ Gray Streaks Room 34-36 (East Bathroom)	ND	Binder 99-100%
S06-A-M	MISC	Floor Tile Mastic Black Associated w/ Sample S06-A	Chrysotile 1-5%	Binder 95-99%
S07-A	MISC	Radiator Mastic Brown Room 34-36 – Southwest Corner of Register	Chrysotile 1-5%	Binder 95-99%
S08-A	MISC	24"x48" Lay-in Ceiling Tile Horizontal Fissures w/ Pinholes Room 36 – SE Portion of Room	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S08-B	MISC	24"x48" Lay-in Ceiling Tile Horizontal Fissures w/ Pinholes Outside Gymnasium	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
S08-C	MISC	24"x48" Lay-in Ceiling Tile Horizontal Fissures w/ Pinholes Main Entrance	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S09-A	MISC	24"x48" Lay-in Ceiling Tile Random Fleck & Pinhole Science Lab 35 – Above North Bench	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S09-B	MISC	24"x48" Lay-in Ceiling Tile Random Fleck & Pinhole Room 7	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S09-C	MISC	24"x48" Lay-in Ceiling Tile Random Fleck & Pinhole Outside Gymnasium	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S10-A	MISC	24"x48" Lay-in Ceiling Tile Vertical Fissures w/ Pinholes Science Lab 33	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S10-B	MISC	24"x48" Lay-in Ceiling Tile Vertical Fissures w/ Pinholes Room 7	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S10-C	MISC	24"x48" Lay-in Ceiling Tile Vertical Fissures w/ Pinholes Laundry Room off East Entrance	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S11-A	MISC	12"x12" Floor Tile Tan w/ Cream Streaks Science Room 14	ND	Binder 99-100%
S11-A-M	MISC	Floor Tile Mastic Black Associated w/ Sample S11-A	Chrysotile 1-5%	Binder 95-99%
S12-A	MISC	Countertop Adhesive on Cinder Science Room 14	ND	Binder 99-100%
S13-A	MISC	24"x48" Lay-in Ceiling Tile Random Fissures w/ Pinholes Room 19	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S14-A-Finish	SURF	Plaster – Finish Layer White Sprinkler Room	ND	Binder 99-100%
S14-B-Finish	SURF	Plaster – Finish Layer White Restroom near Auditorium	ND	Binder 99-100%
S14-C-Finish	SURF	Plaster – Finish Layer White Former Pool Room/Natatorium	ND	Binder 99-100%
S14-D-Finish	SURF	Plaster – Finish Layer White Restroom	ND	Binder 99-100%
S14-A-Rough	SURF	Plaster – Rough Layer Gray Associated w/ Sample S14-A	ND	Binder 90-95% Other 5-10%
S14-B-Rough	SURF	Plaster – Rough Layer Gray Associated w/ Sample S14-B	ND	Binder 90-95% Other 5-10%
S14-C-Rough	SURF	Plaster – Rough Layer Gray Associated w/ Sample S14-C	ND	Binder 90-95% Other 5-10%
S14-D-Rough	SURF	Plaster – Rough Layer Gray Associated w/ Sample S14-D	ND	Binder 90-95% Other 5-10%

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
S15-A	MISC	24"x48" Lay-in Ceiling Tile Light Texture w/ Pinholes Room 21	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S16-A	MISC	24"x48" Lay-in Ceiling Tile Random Pockmarks & Pinholes Hall (Outside Room 32)	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S16-B	MISC	24"x48" Lay-in Ceiling Tile Random Pockmarks & Pinholes Library – South Room	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S16-C	MISC	24"x48" Lay-in Ceiling Tile Random Pockmarks & Pinholes Main Entrance	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
S17-A	MISC	4" Vinyl Base Cove & Brown Mastic Black Room 3	ND	Binder 99-100%
S18-A	MISC	Carpet Glue from Carpet Square Yellow Library – Northwest Corner	ND	Binder 99-100%
S18-B	MISC	Carpet Glue from Carpet Square Yellow Library – Center	ND	Binder 99-100%
S18-C	MISC	Carpet Glue from Carpet Square Yellow Library – South Room	ND	Binder 99-100%
S19-A	MISC	Drywall Partition Wall Library (above Ceiling) – South Room	ND	Cellulose 5-10% Binder 90-95%
S20-A	MISC	Floor Tile Beneath Carpet Main Office – East Vestibule	Chrysotile 1-5%	Binder 95-99%
S20-A-M	MISC	Floor Tile Mastic Black Associated w/ Sample S20-A	Chrysotile 1-5%	Binder 95-99%
S21-A	SURF	Sink Insulation Grayish White Teachers' Lounge – Near Auditorium	Chrysotile 1-5%	Binder 95-99%
S22-A	MISC	Base Cove Molding Black Gym	ND	Binder 99-100%
S23-A	MISC	Window Caulking Gray Exterior – Near Door "A"	ND	Binder 99-100%
S23-B	MISC	Window Caulking Gray Exterior – Near Door "X"	ND	Binder 99-100%
S23-C	MISC	Window Caulking Gray Exterior – Near Door "W"	ND	Binder 99-100%

ND = None Detected = Asbestos not detected above the detection limit of PLM Methodology.

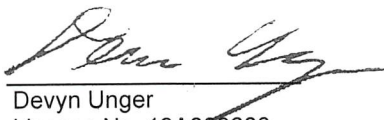
NA = "Not Analyzed" (reason specified).

Analyzed by: SAC

Ref Number: 353722

BUR = Built-up Roofing
TSI = Thermal System Insulation
SURF = Surfacing Material
MISC = Miscellaneous Material
Other = Binder Constituents

Inspector:


Devyn Unger
License No. 19A009608
Expiration Date: 08/13/2021

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

Format (Revised 2013)
(Amended for HCSC)

School City of Hammond
Roofing, HVAC, and Electrical Project

Hammond, IN

PART I

(To be completed for all bids. Please type or print)

Date (month, day, year): _____

BIDDER (Firm) _____

Address _____ P.O. Box _____

City/State/Zip _____

Telephone Number: _____ Email Address: _____

Person to contact regarding this Bid _____

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

Insert Category No. (s) and Name(s)

Of public works project, ***School City of Hammond Roofing, HVAC, and Electrical Project***, in accordance with Plans and Specifications prepared by ***Schmidt Associates, 415 Massachusetts Ave., Indianapolis, IN 46204***, as follows:

BASE BID

For the sum of _____
(Sum in words)

_____ DOLLARS (\$) _____
(Sum in figures)

Receipt of Addenda No. (s) _____

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Attended pre-bid conference YES _____ NO _____

Has visited the jobsite YES _____ NO _____

The Bidder has reviewed the Guideline Schedule in Section 01 32 00 and the intent
Of the schedule can be met. YES NO

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6. YES _____ NO _____

The Skillman Corporation's diversity initiative is to create a program to encourage, assist and measure the active participation of Minority- Owned, Women-Owned, Veteran – Owned and Disabled Individual-Owned Businesses. The Program is to ensure that MWVDBEs are provided full and equal opportunity to participate in all Skillman Corporation's Projects.

Bidder has included:

DBE:	YES	_____ %	NO	_____
MBE:	YES	_____ %	NO	_____
WBE:	YES	_____ %	NO	_____
VBE:	YES	_____ %	NO	_____

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF COMPLIANCE WITH CORONAVIRUS RESPONSE AND RELIEF SUPPLEMENTAL APPROPRIATIONS (CRRSA) ACT.

I, the undersigned bidder, or agent as a contractor understand the Project is being funded in whole in or in part with funds made available by the Coronavirus Response and Relief Supplemental Appropriations (CRRSA) Act. I certify that I will comply and ensure my sub-contractors and suppliers comply with the labor standards as set forth in the CRRSA Act.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS (if applicable)

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ALTERNATE BIDS

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

****MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE****

Alternate Bid No. 1 – CAFETERIA HVAC ROOFTOP #17 REPLACEMENT

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 2 – GYM HVAC ROOFTOP #19 REPLACEMENT

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 3 – GYM HVAC ROOFTOP #20 REPLACEMENT

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 4 – EXTERIOR METAL WALL PANEL PAINTING

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 5 – ELECTRICAL PANEL LP-BN

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 6 – ELECTRICAL FEEDER HP-EM

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 7 – ELECTRICAL PANEL LP-FN

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 8 – SCHNEIDER ELECTRIC TEMPERATURE CONTROLS INSTALLED BY PRECISION CONTROLS

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

PART II

(For projects of \$150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

SECTION I EXPERIENCE QUESTIONNAIRE

1. What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

2. What public works projects are now in process of construction by your organization?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

3. Have you ever failed to complete any work awarded to you?_____If so, where and why?

4. List references from private firms for which you have performed work.

SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

SECTION V OATH AND AFFIRMATION

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at _____ this _____ day of _____, 20

(Name of Organization)

By

(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Before me, a Notary Public, personally appeared the above-named

Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____,

(Title)

Notary Public

My Commission Expires: _____

County of Residence: _____

END OF SECTION 00 31 00

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including amended General Conditions and other Division 1 Specification Sections, apply to work of this Section.

1.02 PURPOSE

- A. The Bids for the Alternates described herein are required in order for the Owner to obtain information necessary for the proper consideration of the Project in its entirety.

1.03 ALTERNATES

- A. Definitions: Alternates are defined as alternate products, materials, equipment, installations or systems for the Work, which may, at Owner's option and under terms established by Instructions to Bidders, be selected and recorded in the Owner-Contractor Agreement to either supplement or displace corresponding basic requirements of Contract Documents. Alternates may or may not substantially change scope and general character of the Work; and must not be confused with "allowances", "unit prices", "change orders", "substitutions", and other similar provisions.

1.04 SCHEDULE OF ALTERNATES

- A. ALTERNATE NO. 1: State the cost to provide removal of the existing Cafeteria #17 in its entirety including but not limited to the existing sealants, and anchors. Disconnect all existing ductwork and utilities and prep existing surface and supports, ducts and utilities for new HVAC unit. Provide a new unit as shown and, if the existing support structure is deemed adequate, clean, prep, prime, and coat existing steel equipment with a high-performance coating system as indicated in Specification Section 09 96 00.99.
- B. ALTERNATE NO. 2: State the cost to provide removal of the existing gym RTU #19 in its entirety including but not limited to the existing sealants, and anchors. Disconnect all existing ductwork and utilities and prep existing surface and supports, ducts and utilities for new HVAC unit. Provide a new unit as shown and, if the existing support structure is deemed adequate, clean, prep, prime, and coat existing steel equipment with a high-performance coating system as indicated in Specification Section 09 96 00.99.

- C. ALTERNATE NO. 3: State the cost to provide removal of the existing gym RTU #20 in its entirety including but not limited to the existing sealants, and anchors. Disconnect all existing ductwork and utilities and prep existing surface and supports, ducts and utilities for new HVAC unit. Provide a new unit as shown and, if the existing support structure is deemed adequate, clean, prep, prime, and coat existing steel equipment with a high-performance coating system as indicated in Specification Section 09 96 00.99.
- D. ALTERNATE NO. 4: State the cost to provide the cleaning, prep, and coat the existing exterior insulated metal wall panels with a high-performance coating system as indicated in Specification Section 09 96 00.99.
- E. ALTERNATE NO. 5: State the cost to provide the electrical panel LP-BN and feeder as indicated on the Contract Documents.
- F. ALTERNATE NO. 6: State the cost to provide the electrical panel HP-EM, feeder, and 15kva transformer T-8 and feeder as indicated on the Contract Documents.
- G. ALTERNATE NO. 7: State the cost to provide the electrical panel LP-FN, 45kva transformer T-1, and feeders as indicated on the Contract Documents.
- F. ALTERNATE NO. 8: State the cost to provide Schneider Electric Controls installed by Precision Controls as indicated on the Mechanical Drawings and Specifications if not already included in your Base Bid.

PART 2 - PRODUCTS, PART 3 - EXECUTION (Not Used)

END OF SECTION 01 23 00

ADDENDUM NO. 1

APRIL 7, 2022

PREPARED BY SCHMIDT ASSOCIATES FOR:
SCOTT MIDDLE SCHOOL – ROOFING, HVAC, AND ELECTRICAL PROJECT
HAMMOND, SCHOOL CITY OF

This Addendum consists of 2 Addendum pages and 2 attachment pages totaling 4 pages.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

Bidder is encouraged to verify with reprographer of record all Addenda issued (do not rely exclusively on third party plan room services).

PART 1 - CHANGES TO PRIOR ADDENDA (NOT APPLICABLE)

PART 2 - CHANGES TO THE PROJECT MANUAL

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

2.1 DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING(HVAC)

A. Section 230900.99 “DIRECT DIGITAL CONTROL SYSTEMS”

1. DELETE AND REPLACE Text 1.7.Manufacturer A in its entirety and replace with the following:
“Manufacturer A – Schneider Electric I/A Series controllers installed by Precision branch office only. No other acceptable bidders.”
2. DELETE AND REPLACE Paragraphs 3.19.A and B in their entirety and replace with the following:
“A. Provide a minimum of two on-site or classroom training sessions, two hours each, throughout the contract period for personnel designated by the owner.

B. Provide two additional training sessions at 6 and 12 months following building’s turnover. Each session shall be two hours in length and must be coordinated with the building owner.”

PART 3 - CHANGES TO THE DRAWINGS

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

3.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS

DRAWING NO.	INDICATE ACTION: REPLACE (R), ADD (A), DELETE (D)
<hr/>	
A-SERIES DRAWINGS	
AR301.2	DELETE AND REPLACE

3.2 E-SERIES DRAWINGS

A. Drawing Number ED1D1.2

1. MODIFY Drawing ED1D1.2 as follows:
“Existing Pendant Mounted Light Fixtures in Gym to Remain.”

B. Drawing Number EL1D1.2

1. MODIFY Drawing EL1D1.2 as follows:
“Delete Type 10 Light Fixtures and Occupancy Sensors in Gym. Existing Pendant Mounted Light Fixtures to Remain.”

END OF ADDENDUM 1

AVAILABLE PROJECT INFORMATION

The following Bidders’ Questions and Answers Sheet is being made available to Bidders for informational purposes only and is not a part of the Addendum.

Scott MS Addendum #1

Bidder's Questions and Responses:

1. The lighting fixture schedule on sheet E-603.2 has type L4 listed twice, can you please clarify which fixture is correct.

Response: Delete Type L4 light fixture with wide distribution.

2. Panel PP-H does not show any breakers on panel schedule listed on sheet E-607.2, please advise.

Response: Panelboard PP-H not in contract, panelboard schedule will be deleted by addendum.

3. Panel HP-AE does not show how it is fed per one line diagram on sheet E-601.2, please advise if this feed is to be reused or needs to be new.

Response: Panelboard HP-AE is fed from MDP-25 with a F125 feeder.

4. For Alternate #6, should panel LP-EM and its feeder from T-8 included in this cost?

Response: The panelboard LP-EM and feeder is in the alternate cost, not base bid cost.

5. For Alternate #7, feeder sizes are missing per one line diagram on sheet E-601.2, please advise.

Response: To be answered by Skillman.

6. No location for the suspend transformers are shown, please advise on locations.

Response: Transformers are to be in approximately the same location as transformers coming out above the accessible ceilings.

7. Will structure be sufficient to support added weight of suspended transformers?

Response: Existing transformers are coming out; new transformers are going in approximately same location.

8. Transformer schedule listed on sheet E-603.2 has the suspended transformers listed as dry type vented, the specifications say the same. The ceiling space, from our understanding, is plenum which as dry type vented transformer, according to manufacturers, is not rated for. Please advise.

Response: The change transformer T-2 to 45 KVA rating installed above accessible ceiling. Transformers are permitted to be installed in hollow spaces where the space is used for environmental air, provided the transformer is in a metal enclosure ventilated and the transformer is suitable for the ambient air temperature within the hollow space.

9. The roof area at Morton HS currently has tapered roof insulation on it so it does not match the existing profile on this drawing. It appears that a full tapered system will be required. Existing tapered is extruded with a coverboard mechanically attached to the roof deck.

Response: A revised drawing is included in Addendum #1.

General Demolition Notes

- Contractor shall field-verify all existing conditions, dimensions, and arrangements.
- Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.
- Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.
- All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.
- All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to clearly receive new work.
- All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appurtenances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

075323 - SINGLE-PLY MEMBRANE ROOFING SYSTEM
075323 - COVER BOARD, 1/2"
075323 - TAPERED INSULATION
075323 - TWO LAYERS OF RIGID INSULATION BOARD, STAGGER ALL JOINTS. TYPICAL. R-30 MIN.

EXISTING GYPSUM CEMENT TOPPING (SLOPED) TO REMAIN. PREP SURFACE FOR NEW CONSTRUCTION.
EXISTING METAL ROOF DECK TO REMAIN.

6D PROPOSED ROOF PROFILE - ROOF TYPE 'A'

1 1/2" = 1'-0"

EXISTING PIPE PENETRATION THRU ROOF TO REMAIN.

079200 - SEALANT, CONT.
075323 - STAINLESS STEEL CLAMPING RING.
075323 - PREMOLDED PIPE FLASHING.
075323 - PROPOSED ROOFING SYSTEM. SEE ROOF PLAN

EXISTING ROOF DECK TO REMAIN.

6C PIPE PENETRATION FLASHING, TYPICAL

1 1/2" = 1'-0"

REMOVE EXISTING EPDM ROOFING SYSTEM IN ITS ENTIRETY
REMOVE EXISTING COVER BOARD, 1/2"
REMOVE EXISTING TAPERED AND STRAIGHT INSULATION BOARD DOWN TO THE EXISTING ROOF DECK.

EXISTING GYPSUM CEMENT TOPPING TO REMAIN. PREP SURFACE FOR NEW CONSTRUCTION.
EXISTING METAL ROOF DECK TO REMAIN.

6B EXISTING ROOF PROFILE "E1"

1 1/2" = 1'-0"

077100 - MANUFACTURED METAL ROOF EDGE.
EXTEND ROOF MEMBRANE OVER WOOD BLOCKING PER MANUFACTURER'S RECOMMENDATIONS.
EXISTING WOOD BLOCKING TO REMAIN. REPLACE DAMAGED BLOCKING AS REQUIRED.
ROOFING TYPE 'A'

EXISTING GYPSUM TOPPING SLAB TO REMAIN. PREP TOPPING SLAB FOR NEW ROOFING SYSTEM. PATCH AND REPAIR AS REQUIRED.
EXISTING METAL ROOF DECK TO REMAIN.
EXISTING ROOF STRUCTURE TO REMAIN.

6A ROOF EDGE DETAIL - TYPICAL

1 1/2" = 1'-0"

HATCHED ROOFS ARE NOT IN THE SCOPE OF THIS PROJECT. CONTRACTOR SHALL PROTECT EXISTING ROOFING SYSTEM DURING CONSTRUCTION. TYPICAL

COURT YARD BELOW

HATCHED ROOFS ARE NOT IN THE SCOPE OF THIS PROJECT. CONTRACTOR SHALL PROTECT EXISTING ROOFING SYSTEM DURING CONSTRUCTION. TYPICAL

2A ROOF PLAN - AREA A, B, & C

3/64" = 1'-0"

General Roof Plan Notes

- The equipment curbs and penetrations shown on the roof plan is not comprehensive. Contractor is responsible to verify all existing conditions in the field for exact location and count.
- Where utilized, tapered insulation shall be installed to achieve positive drainage with a minimum resultant slope of 1/4" per foot, unless noted otherwise.
- Low slope roof areas shall have a minimum of 4" rigid insulation over metal roof deck. Saddles, crickets, and slope portions of flat roof deck shall be formed by tapered insulation. Areas where tapered insulation is anticipated have been indicated, but shall not be considered all inclusive. It is Contractor's responsibility to provide sloped surfaces to achieve proper drainage.
- Roof penetrations and equipment shown shall not be considered all inclusive. Coordinate with Mechanical, Plumbing and Electrical Documents to confirm penetrations and equipment locations. Flash all roof penetrations in accordance with roofing manufacturer's recommendations. Provide crickets to allow for proper drainage around units.
- Roof walkway pads or blocks shall be installed in accordance with roofing manufacturer's recommendation where indicated and around entire perimeter of rooftop equipment.
- Contractor shall protect existing roofing system noted to remain. any damage to the existing roofing system to remain by Contractor shall be patched and repaired to the satisfaction of Owner/Architect.
- Not Used.

ROOF PLAN NOTES

#	Note
1	075323 - PROVIDE NEW ROOFING SYSTEM ON TOP OF THE EXISTING GYPSUM CONCRETE TOPPER SLAB. CONTRACTOR SHALL PROVIDE A PULL TEST TO INSURE PROPER ANCHORAGE OF NEW ROOFING SYSTEM. ROOF PROFILE 'A'. SEE DETAIL 6D/AR301.2
3	EXISTING HVAC EQUIPMENT CURBS/SUPPORT TO REMAIN. CONTRACTOR SHALL FLASH NEW ROOFING SYSTEM PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE NEW TAPERED INSULATION CRICKETS TO DIRECT WATER AROUND EXISTING ROOF EQUIPMENT CURBS. TYPICAL. CONTRACTOR SHALL VERIFY ALL EXISTING ROOF EQUIPMENT AND ROOFBUILDING CONDITIONS IN THE FIELD.
4	075323 - FLASH EXISTING PIPE PENETRATION. SEE PIPE PENETRATION FLASHING DETAIL 6C/AR301.2
5	EXISTING ROOF DRAIN TO REMAIN. PREP ROOF DRAIN AND INSTALL NEW ROOFING SYSTEM PER MANUFACTURER'S RECOMMENDATIONS.
6	075323 - PROVIDE NEW TAPERED INSULATION CRICKETS AND SADDLES TO DIRECT WATER TO EXISTING ROOF DRAINS. CONTRACTOR SHALL VERIFY ALL EXISTING ROOF EQUIPMENT AND ROOFBUILDING CONDITIONS IN THE FIELD.
10	EXISTING SKYLIGHT UNIT TO REMAIN. FLASH EXISTING SKYLIGHT CURB PER ROOF MEMBRANE MANUFACTURER'S RECOMMENDATIONS. PROVIDE TAPERED INSULATION CRICKETS TO DIRECT WATER AROUND EXISTING CURB TO DRAIN.
12	EXISTING ROOFBUILDING EXPANSION JOINT TO REMAIN. REMOVE EXISTING EXPANSION JOINT CAP AND FLASHING AND PROVIDE NEW EXPANSION JOINT AND METAL CAP PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.
13	075323 - FLASH NEW ROOF MEMBRANE SYSTEM TO EXISTING WINDOW S PER MANUFACTURER'S RECOMMENDATIONS. SEE WINDOW FLASHING DETAIL 10C/AR102.M. CONTRACTOR SHALL VERIFY EXISTING BUILDING AND ROOF CONSTRUCTION CONDITIONS IN THE FIELD.
14	077100 - PROVIDE NEW MANUFACTURED METAL ROOF EDGE FASCIA. SEE ROOF EDGE DETAIL 6A/301.2
17	EXISTING FLUE/DUCT PENETRATION TO REMAIN. FLASH EXISTING FLUE/DUCT PER MEMBRANE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD.

DEMOLITION ROOF PLAN NOTES

#	NOTE
E1	REMOVE EXISTING ROOFING SYSTEM IN ITS ENTIRETY DOWN TO THE EXISTING LIGHT-WEIGHT GYPSUM TOPPING SLAB. CONTRACTOR SHALL TAKE CARE TO NOT DAMAGE THE EXISTING GYPSUM TOPPING SLAB DURING DEMOLITION. IF TOPPING SLAB IS DAMAGED, CONTRACTOR SHALL PATCH IT IN PREPARATION FOR INSTALLATION OF NEW ROOFING SYSTEM.

PROJECT DESCRIPTION:

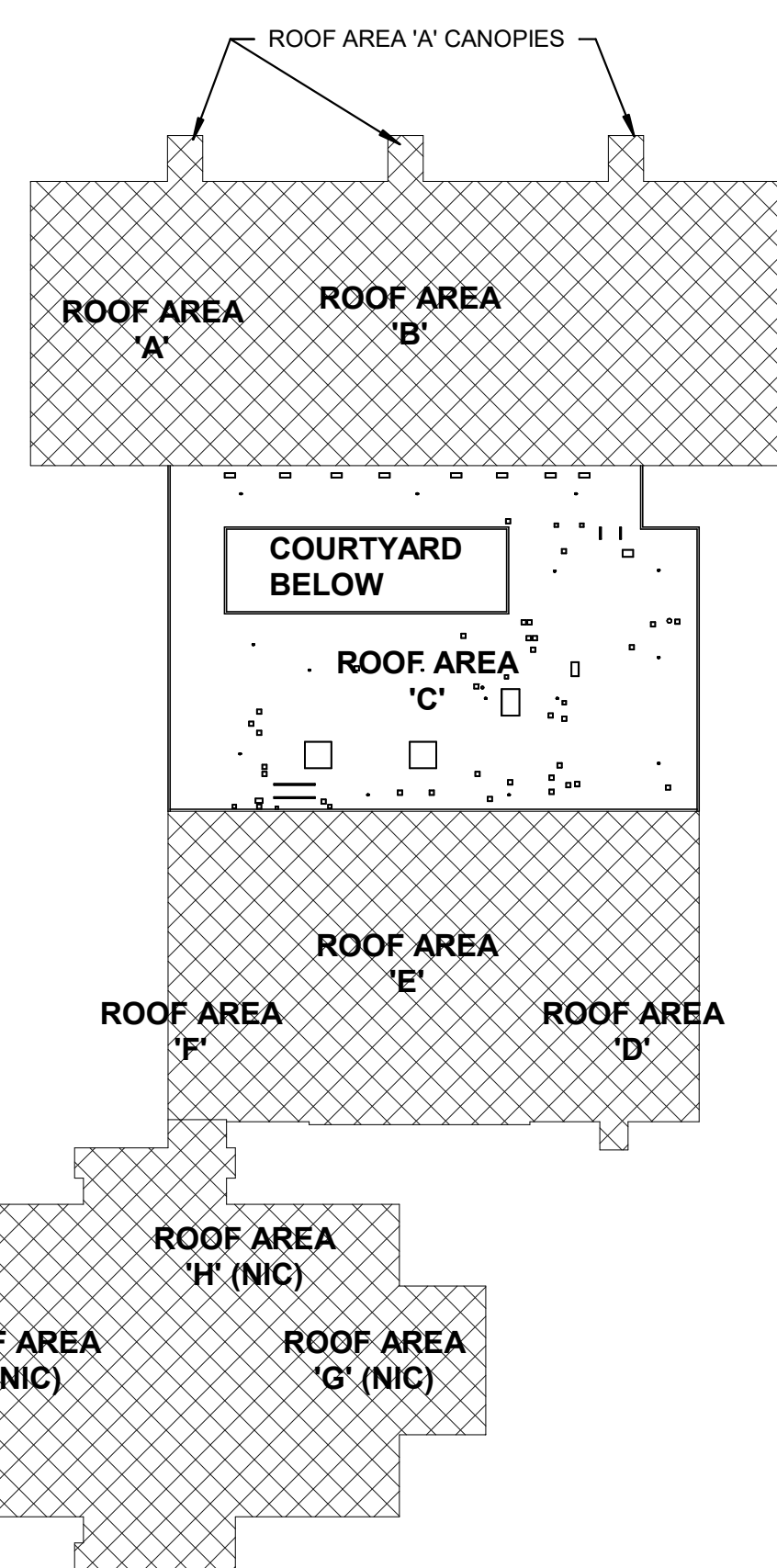
The scope of this re-roof project is to replace the existing EPDM roofing system in roof areas 'C'. The intent is to remove the existing roofing system in its entirety and provide the new proposed single-ply roofing system as shown and specified. Contractor shall provide all flashing, roof edges, and all related anchors. Contractor shall perform a pull test to insure it meets all requirements.

ROOF DESIGN REQUIREMENTS:

ASCE 7-10 components & cladding roof uplift pressures:

Negative Zone 1 (more than 15' from perimeter & corners) = -26 PSF
Negative Zone 2 (within 15' of perimeter except at corners) = -44 PSF
Negative Zone 3 (within 15' of corners) = -65 PSF

This is based on wind exposure category 'B' which is essentially defined as urban and suburban areas surrounded by homes, trees and other large obstructions.



1A OVERALL ROOF KEY PLAN

1" = 100'-0"



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Project No. 2020-154.SHE
Project Date 03.16.2022
Produced TYN TYN



Sarah K. Hempstead
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#	Revision	Date
A1	Addendum #1	04.08.2022

6915 Grand Ave.
Hammond, IN 46323



KEY PLAN



School City of Hammond



Roofing, HVAC and Electrical Project

MORTON HIGH SCHOOL - ROOF AREA 'C'

AR301.2