

EAST AURORA SCHOOL DISTRICT 131
417 5TH STREET
AURORA, ILLINOIS 60505

ASBESTOS ABATEMENT WORK FOR 2021 PROJECTS
ASBESTOS ABATEMENT
AT
KRUG ELEMENTARY SCHOOL



SCOPE OF WORK

THE ACCOMPANYING DRAWINGS, SPECIFICATIONS AND BID DOCUMENTS HAVE BEEN DESIGNED TO FACILITATE THE REPLACEMENT OF THE HVAC SYSTEM FOR THE BUILDING.

APPLICABLE CODES

THE ASBESTOS ABATEMENT WORK IS GOVERNED BY THE FOLLOWING ILLINOIS CODES:

- IDPH:

RULES FOR ASBESTOS ABATEMENT FOR PUBLIC AND PRIVATE SCHOOLS AND COMMERCIAL AND PUBLIC BUILDINGS IN ILLINOIS (77 III. ADM. CODE 855
- IEPA:

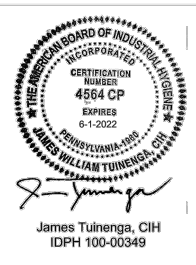
NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) 40 CFR 61.
- OSHA:

OCCUPATIONAL SAFETY AND HEALTH STANDARDS - ASBESTOS (1910.1001)

SHEET LISTING	
G0.01	TITLE SHEET
PH01	PHASE LAYOUT - WINTER AND SPRING ABATEMENT
ASB01	FIRST FLOOR ABATEMENT PLAN
ASB02	MEZZANINE LEVEL ABATEMENT PLAN



ENVIRONMENTAL, INC.
174 North Brandon Drive
Glendale Heights, IL 60139
(630) 790-0880
(630) 790-0881 FAX



KRUG ELEMENTARY SCHOOL
240 MELROSE AVENUE
AURORA, IL 60505

ISSUE/REVISION:

REV.	DATE	DESCRIPTION
1	10/22/20	ISSUED FOR BID

EAST AURORA SCHOOL
DISTRICT #131
417 5TH STREET AURORA IL
60505

PROJECT:

KRUG ELEMENTARY
SCHOOL
ABATEMENT PLAN

DRAWING TITLE:

TITLE SHEET

DESIGNED BY: JAMES TUINENGA, CIH

DRAWN BY: DRAKE OTTLEY

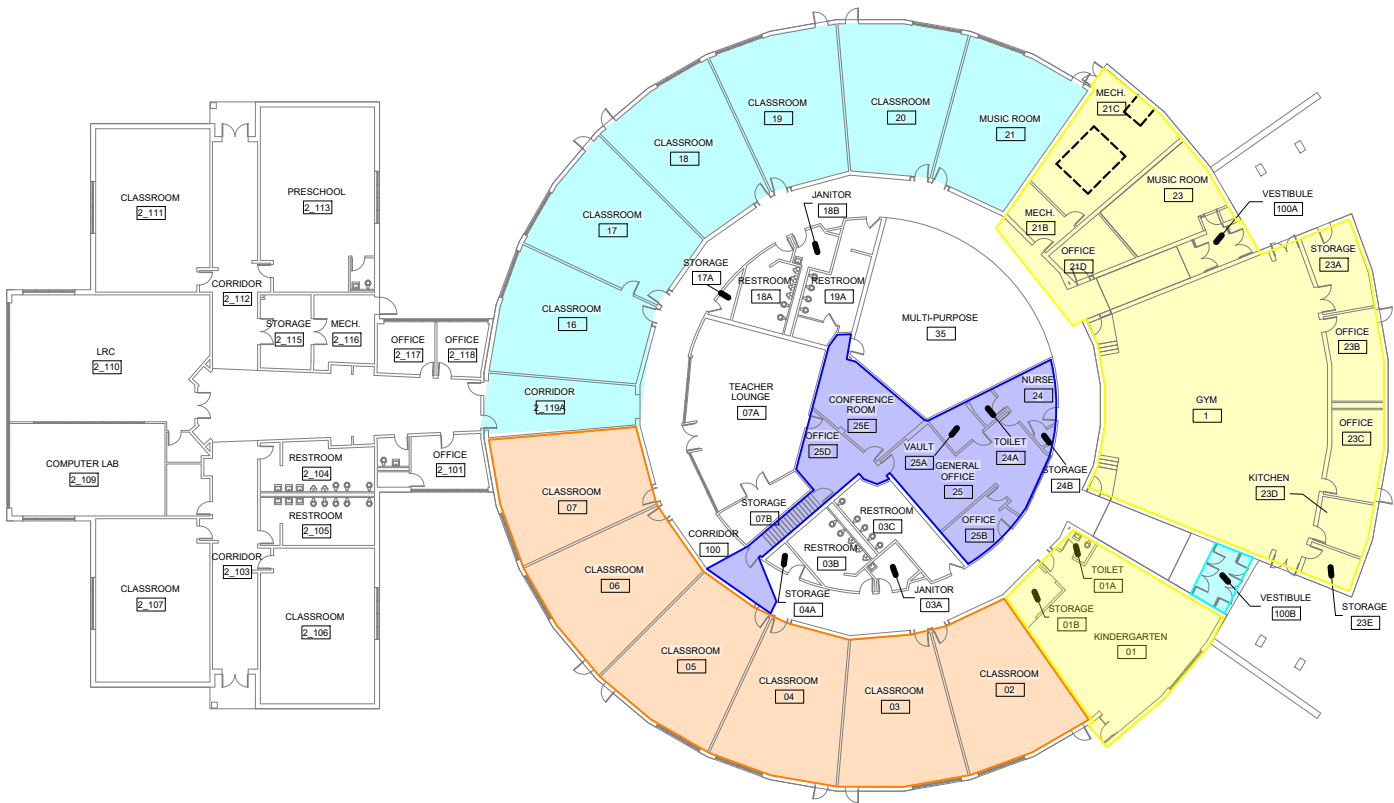
CHECKED BY: STEVEN GENESER

PROJECT NO: 60885

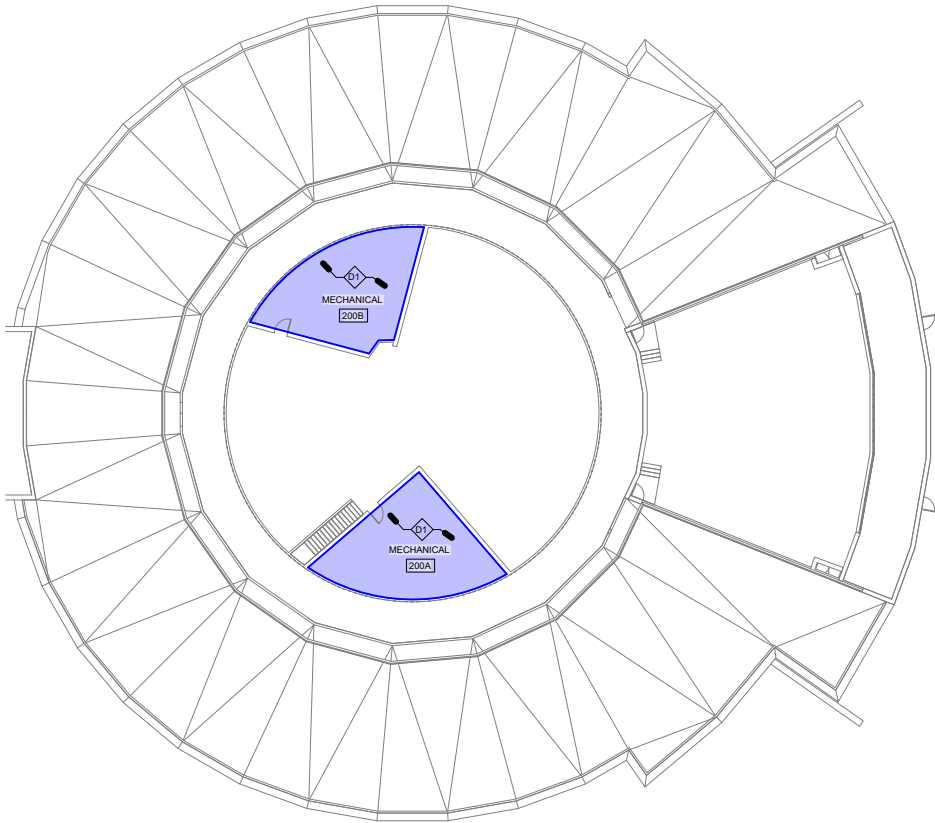
SHEET NO.

G0.01

KRUG ELEMENTARY SCHOOL



1 ASB01 1ST FLOOR ABATEMENT PHASING PLAN
ASBESTOS ABATEMENT -



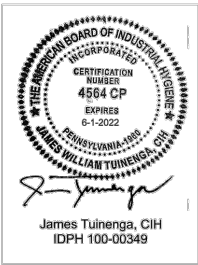
1 ASB01 MEZZANINE ABATEMENT PHASING PLAN
ASBESTOS ABATEMENT -

SCOPE OF WORK

ABATEMENT PHASE SCHEDULE					
AREA OF WORK	COLOR	SHEET NUMBER	TIME FRAME	START DATE	COMPLETION DATE
ASSIST WITH SINK DISCONNECTION. WALK THROUGH WITH DISTRICT/AOR/GC TO COORDINATE PLASTER CEILING DEMOLITION.		ASB01	PRIOR TO WINTER BREAK 2020	12/14/2020	12/14/2020
CLASSROOM 02, 03, 04, 05, 06, AND 07		ASB01	WINTER BREAK 2020	4:00PM 12/18/2020	11:59PM 12/31/2020
CLASSROOM 16,17,18,19,20,21, CORRIDOR 119A, AND VESTIBULE 100B		ASB01	SPRING BREAK 2021	4:00PM 3/26/2021	11:59PM 4/2/2021
KINDERGARTEN, BOILER ROOM, GYM, KITCHEN, ROOMS 21B,21D,23,23A,23B,23C,23E, AND VESTIBULE 100A		ASB01	SUMMER 2021	7:00AM 6/5/2021	11:59PM 6/11/2021
MAIN OFFICE AREAS AND MEZZANINE		ASB01 ASB02	SUMMER 2021	7:00AM 6/8/2021	11:59PM 6/15/2021
EXTERIOR		ASB01 ASB02	SUMMER 2021	7:00AM 6/5/2021	11:59PM 6/15/2021



ENVIRONMENTAL, INC.
174 North Brandon Drive
Glendale Heights, IL 60139
(630) 790-0880
(630) 790-0881 FAX



KRUG ELEMENTARY SCHOOL
240 MELROSE AVENUE
AURORA, IL 60505

ISSUE/REVISION:

REV.	DATE	DESCRIPTION
1	10/22/20	ISSUED FOR BID

EAST AURORA SCHOOL
DISTRICT #131
417 5TH STREET AURORA IL 60505

PROJECT:

KRUG ELEMENTARY
SCHOOL
ABATEMENT PLAN

DRAWING TITLE:

PHASE LAYOUT -
WINTER AND SPRING
ABATEMENT

DESIGNED BY: JAMES TUINENGA, CIH

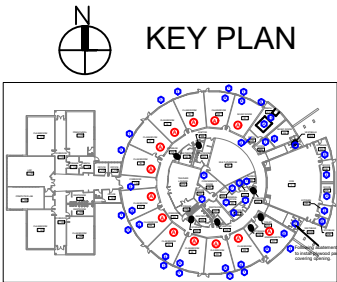
DRAWN BY: DRAKE OTTLEY

CHECKED BY: STEVEN GENESER

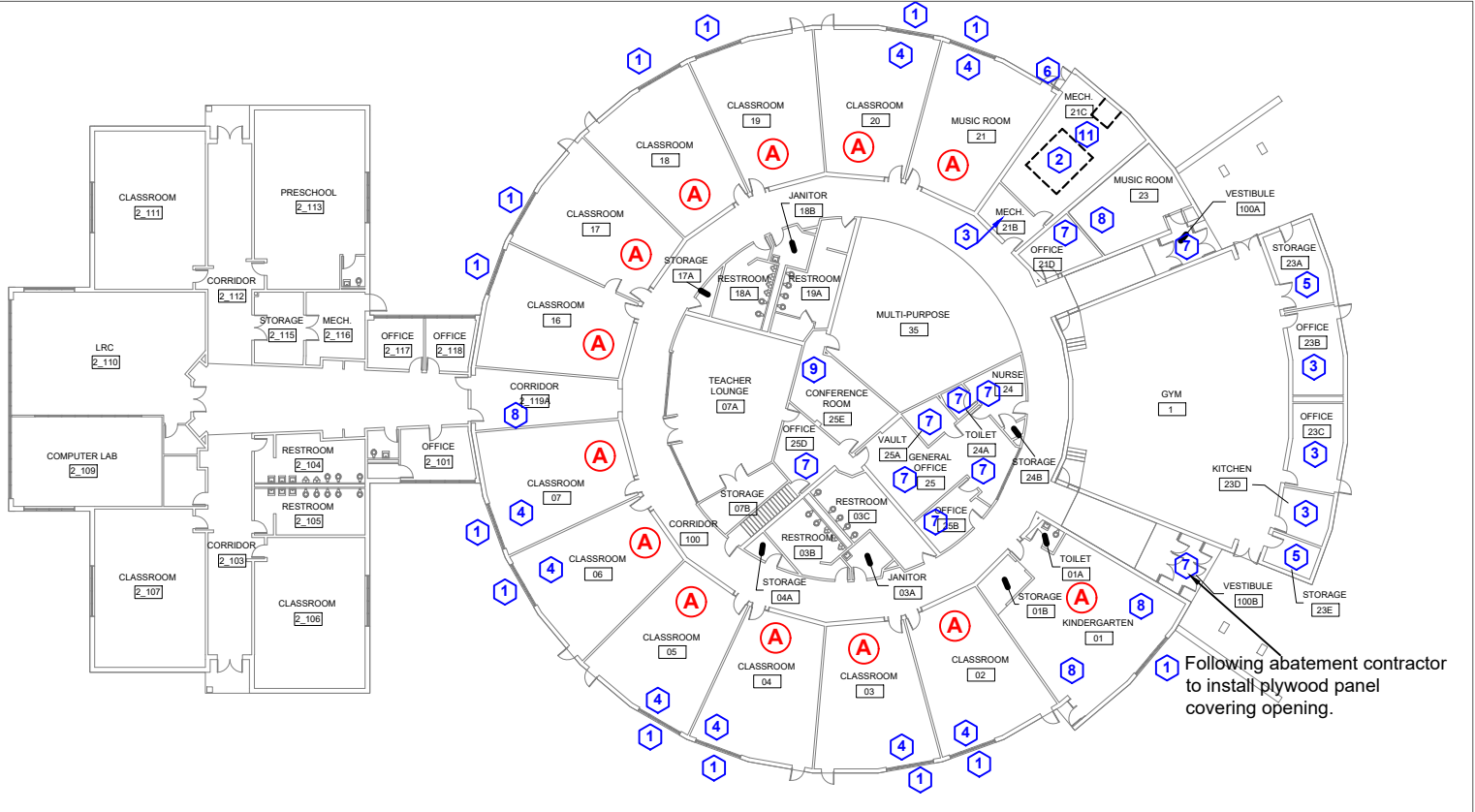
PROJECT NO: 60885

SHEET NO.

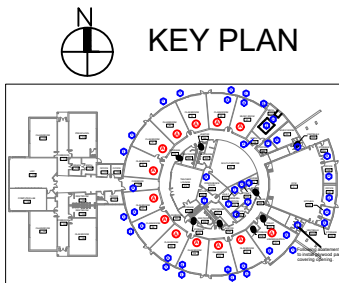
PH-01



KRUG ELEMENTARY SCHOOL



1 1ST FLOOR ABATEMENT PLAN
ASB01 ASBESTOS ABATEMENT -



ABATEMENT KEY NOTES	
1	INDICATES EXTERIOR REMOVAL AND DISPOSAL OF TWO SPANDREL PANELS AND CAULK.
2	INDICATES REMOVAL AND DISPOSAL OF ALL THERMAL SYSTEM INSULATION, BOILER BREECHING, GASKETS AND COMPLETE DEMOLITION OF PLASTER CEILING.
3	INDICATES DEMOLITION OF CEILING AND REMOVAL AND DISPOSAL OF ASBESTOS PIPE INSULATION ABOVE.
4	INDICATES REMOVAL AND DISPOSAL OF APPROXIMATELY 5'X12' OF SECTION OF FLOOR TILE AND MASTIC.
5	INDICATES REMOVAL AND DISPOSAL OF THERMAL SYSTEM PIPE INSULATION.
6	INDICATES REMOVAL AND DISPOSAL OF INTERIOR AND EXTERIOR DOOR CAULK.
7	INDICATES SELECTIVE REMOVAL OF THE PLASTER CEILING TO ACCESS PIPE INSULATION. GLOVEBAG REMOVAL OF ALL ACM PIPE INSULATION ABOVE.
8	INDICATES SELECTIVE REMOVAL OF METAL CEILING AND/OR 2'X4' DROP CEILING TO ACCESS PIPE ABOVE. GLOVEBAG OF ALL ACM PIPE INSULATION ABOVE CEILING.
9	INDICATES REMOVAL OF SUSPENDED CEILING AND SELECTIVE REMOVAL AND DISPOSAL OF PLASTER TO ACCESS PIPING ABOVE.
10	INDICATES GROSS REMOVAL OF ASBESTOS CONTAINING DUCT SEALANT.
11	REMOVAL AND DISPOSAL OF ALL MERCURY SWITCHES.
A	INDICATES LOCATION OF ALTERNATE #1 THROUGH #4.

SCOPE OF WORK

- SCOPE OF WORK: Removal and disposal of asbestos containing materials per specification 02080 and 028215. Removal and disposal of Universal and Hazardous Waste Management 028613 and all applicable IDPH, IEPA, USEPA, and OSHA rules and regulations.
- ASBESTOS ABATEMENT: Exterior removal and disposal of two (2) spandrel panel(s) per NESHAPS regulations. Install temporary plywood blank after removal (See abatement Key Note 1 for location). Scope includes removal of all caulk associated with spandrel panels and the A/C unit window opening.
- ASBESTOS ABATEMENT AND DEMOLITION: Removal and disposal of all thermal system insulation including pipe insulation, tank insulation, boiler insulation, boiler breaching, and boiler gaskets. Remove and dispose of existing ceiling system in its entirety to access piping above. Scope includes selective demolition to remove all boiler insulation (See abatement Key Note 2 for location).
- ASBESTOS ABATEMENT AND DEMOLITION: Demolition and disposal of ceiling and removal and disposal of asbestos containing pipe insulation above. (See abatement Key Note 3 for location).
- ASBESTOS ABATEMENT: Non - friable removal and disposal approximately 60SF of asbestos containing floor tile and mastic. (See abatement Key Note 4 for location).
- ASBESTOS ABATEMENT: Removal and disposal of asbestos containing thermal system pipe insulation. (See abatement Key Note 5 for location).
- ASBESTOS ABATEMENT: Removal and disposal of asbestos containing interior and exterior door caulk from Door #6. (See abatement Key Note 6 for location).
- ASBESTOS ABATEMENT: Selective removal of plaster ceiling to access pipe insulation above. Glovebag removal of all ACM pipe insulation above ceiling. (See abatement Key Note 7 for location).
- ASBESTOS ABATEMENT: Selective removal of metal ceiling and or drop ceiling system to access pipe ceiling above. Glovebag removal of all ACM pipe insulation above ceiling. (See abatement Key Note 8 for location).
- ASBESTOS ABATEMENT: Selective removal of suspended ceiling and plaster ceiling to access pipe insulation above. Glovebag removal of all ACM pipe insulation above ceiling. (See abatement Key Note 9 for location).
- ASBESTOS ABATEMENT: Gross removal of asbestos containing duct sealant. Scope includes complete demolition and disposal of existing Air Handlers, ductwork within mezzanine. Not all Ductwork is to be demolished. (See Mezzanine Ventilation Demolition Plan). (See abatement Key Note 10 for location).
- UNIVERSAL WASTE AND HAZARDOUS WASTE: Removal and disposal of all mercury switches. (See abatement Key Note 11 for location).

ALTERNATE # 1: Removal and disposal of approximately 60SF of floor tile and mastic using mechanical means. (See abatement Key Note A and 4 for exact location).

ALTERNATE # 2: Non - friable removal and disposal of approximately 150SF of floor tile and mastic. (See abatement Key Note A and 4 for exact location).

ALTERNATE # 3: Removal and disposal of approximately 150SF of floor tile and mastic using mechanical means. (See abatement Key Note A and 4 for exact location).

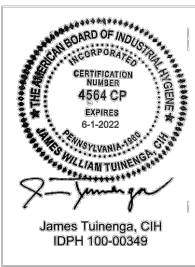
ALTERNATE # 4: Removal and disposal of floor tile and mastic using mechanical means from entire room and the removal of sink cabinets and sinks with ACM coating from rooms 02, 03, 04, 05, 06, 07, 20, and 21. Room 01 includes removal of the sink cabinet, sink with ACM coating and ACM floor tile and mastic under cabinet. Removal of sink cabinets and sinks with ACM coating from Rooms 16, 17, 18, and 19 using the mini- containment method. (See abatement Key Note A for location). Install temporary plywood blank on wall to cover plumbing access after sink cabinet removal.

GENERAL NOTES	
ABATEMENT CONTRACTOR RESPONSIBLE FOR VERIFYING CONDITIONS AND MATERIAL QUANTITIES PRIOR TO SUBMITTING PRICING PROPOSAL TO EAST AURORA SCHOOL DISTRICT # 131. NO PROJECT CHANGE ORDERS SHALL BE CONSIDERED FOR CONDITIONS OR QUANTITIES THAT COULD HAVE OR SHOULD HAVE BEEN IDENTIFIED PRIOR TO PRICING SUBMITTAL.	
CEILING MOUNTED LED LIGHT FIXTURES TO BE REMOVED BY OTHERS.	
ALL MASTIC REMOVAL MUST BE COMPLETED USING MECHANICAL METHODS. UNLESS OTHERWISE SPECIFIED	
ABATEMENT CONTRACTOR RESPONSIBLE TO COORDINATE ALL ENVIRONMENTAL WORK WITH ENVIRONMENTAL CONSULTANT, BUILDING OWNER, AND GENERAL CONTRACTOR PRIOR TO MOBILIZATION.	
ABATEMENT CONTRACTOR RESPONSIBLE FOR THE SECURITY OF WORK AREAS DURING ALL ABATEMENT ACTIVITIES.	
BUILDING OWNER RESPONSIBLE FOR THE REMOVAL OF ROOM CONTENTS FROM AREAS OF WORK PRIOR TO ABATEMENT.	
COMPLETE PLASTER CEILING REMOVAL INCLUDES BLACK IRON, SUPPORT WIRE, AND WIRE BRACKETS.	
CONTRACTOR TO WALK AREAS OF CEILING DEMOLITION WITH TEM ENVIRONMENTAL, OWNER, ARCHITECT AND GENERAL CONTRACTOR PRIOR TO MOBILIZATION TO CONFIRM ITEMS REQUIRING SALVAGE.	
CONTRACTOR TO SECURE ALL REMAINING ITEMS INCLUDING LOW VOLTAGE, INTERNET, ETC. ABOVE CEILING LINE.	



ENVIRONMENTAL, INC.

174 North Brandon Drive
Glendale Heights, IL 60139
(630) 790-0880
(630) 790-0881 FAX



KRUG ELEMENTARY SCHOOL
240 MELROSE AVENUE
AURORA, IL 60505

ISSUE/REVISION:

REV. DATE DESCRIPTION

1 10/22/20 ISSUED FOR BD

EAST AURORA SCHOOL
DISTRICT #131
417 5TH STREET AURORA IL
60505

PROJECT:

KRUG ELEMENTARY
SCHOOL
ABATEMENT PLAN

DRAWING TITLE:

FIRST FLOOR
ABATEMENT PLAN

DESIGNED BY: JAMES TUINENGA, CIH

DRAWN BY: DRAKE OTTLEY

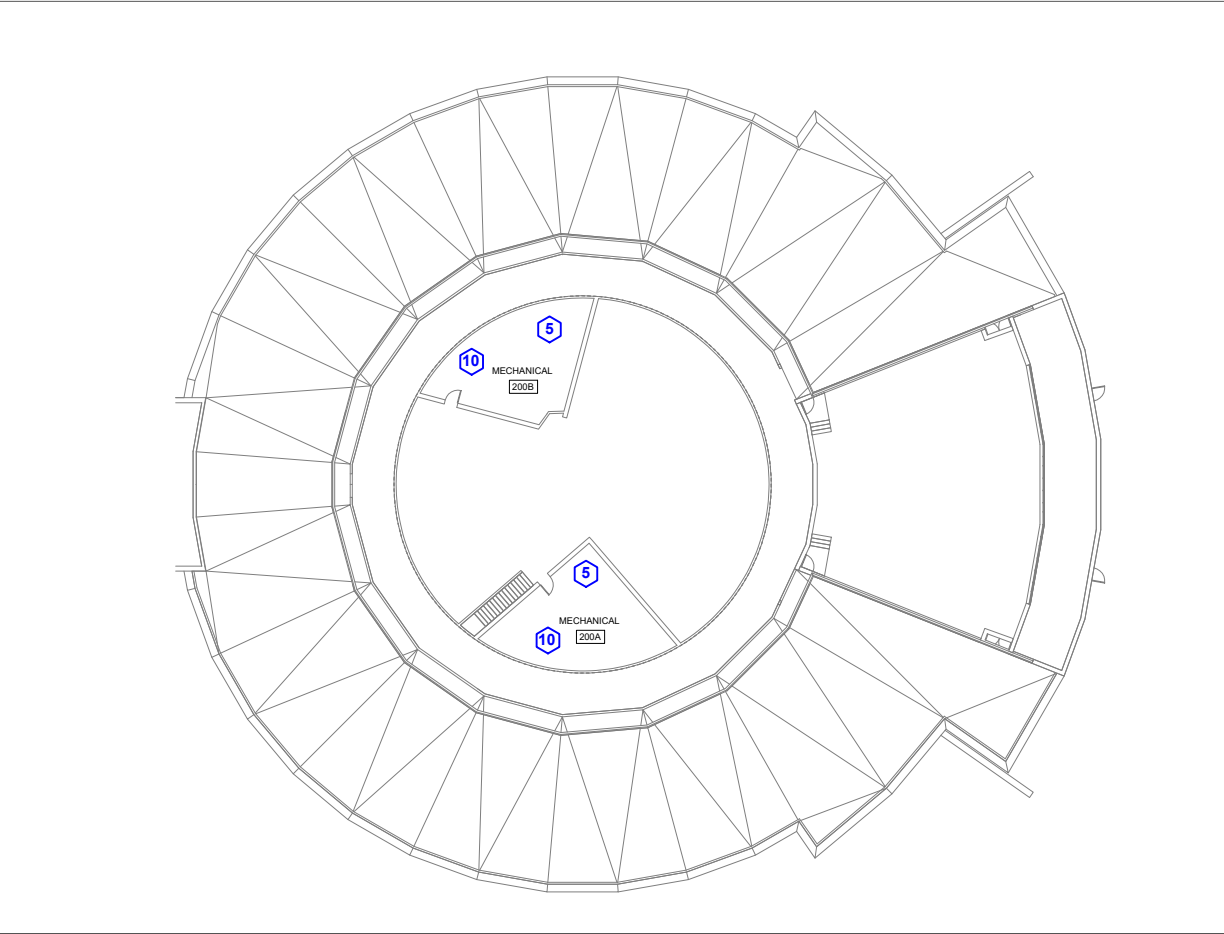
CHECKED BY: STEVEN GENESER

PROJECT NO: 60885

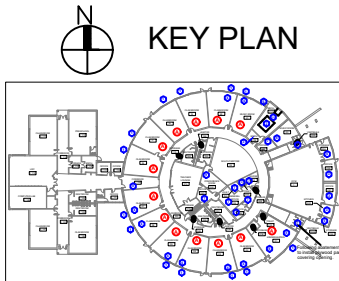
SHEET NO.

ASB-01

KRUG ELEMENTARY SCHOOL



1 MEZZANINE FLOOR ABATEMENT PLAN
ASB02 ASBESTOS ABATEMENT -



X ABATEMENT KEY NOTES	
1	INDICATES EXTERIOR REMOVAL AND DISPOSAL OF TWO SPANDREL PANELS AND CAULK.
2	INDICATES REMOVAL AND DISPOSAL OF ALL THERMAL SYSTEM INSULATION, BOILER BREECHING, GASKETS AND COMPLETE DEMOLITION OF PLASTER CEILING.
3	INDICATES DEMOLITION OF CEILING AND REMOVAL AND DISPOSAL OF ASBESTOS PIPE INSULATION ABOVE.
4	INDICATES REMOVAL AND DISPOSAL OF APPROXIMATELY 5'X12' OF SECTION OF FLOOR TILE AND MASTIC.
5	INDICATES REMOVAL AND DISPOSAL OF THERMAL SYSTEM PIPE INSULATION.
6	INDICATES REMOVAL AND DISPOSAL OF INTERIOR AND EXTERIOR DOOR CAULK.
7	INDICATES SELECTIVE REMOVAL OF THE PLASTER CEILING TO ACCESS PIPE INSULATION. GLOVEBAG REMOVAL OF ALL ACM PIPE INSULATION ABOVE.
8	INDICATES SELECTIVE REMOVAL OF METAL CEILING AND/OR 2'X4' DROP CEILING TO ACCESS PIPE ABOVE. GLOVEBAG OF ALL ACM PIPE INSULATION ABOVE CEILING.
9	INDICATES REMOVAL OF SUSPENDED CEILING AND SELECTIVE REMOVAL AND DISPOSAL OF PLASTER TO ACCESS PIPING ABOVE.
10	INDICATES GROSS REMOVAL OF ASBESTOS CONTAINING DUCT SEALANT.
11	REMOVAL AND DISPOSAL OF ALL MERCURY SWITCHES.
A	INDICATES LOCATION OF ALTERNATE #1 THROUGH #4.

SCOPE OF WORK

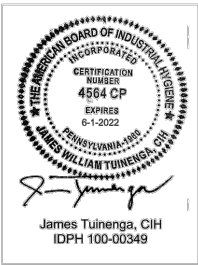
- SCOPE OF WORK: Removal and disposal of asbestos containing materials per specification 02080 and 028215. Removal and disposal of Universal and Hazardous Waste Management 028613 and all applicable IDPH, IEPA, USEPA, and OSHA rules and regulations.
- ASBESTOS ABATEMENT: Exterior removal and disposal of two (2) spandrel panel(s) per NESHAPS regulations. Install temporary plywood blank after removal (See abatement Key Note 1 for location). Scope includes removal of all caulk associated with spandrel panels and the A/C unit window opening.
- ASBESTOS ABATEMENT AND DEMOLITION: Removal and disposal of all thermal system insulation including pipe insulation, tank insulation, boiler insulation, boiler breaching, and boiler gaskets. Remove and dispose of existing ceiling system in its entirety to access piping above. Scope includes selective demolition to remove all boiler insulation (See abatement Key Note 2 for location).
- ASBESTOS ABATEMENT AND DEMOLITION: Demolition and disposal of ceiling and removal and disposal of asbestos containing pipe insulation above. (See abatement Key Note 3 for location).
- ASBESTOS ABATEMENT: Non - friable removal and disposal approximately 60SF of asbestos containing floor tile and mastic. (See abatement Key Note 4 for location).
- ASBESTOS ABATEMENT: Removal and disposal of asbestos containing thermal system pipe insulation. (See abatement Key Note 5 for location).
- ASBESTOS ABATEMENT: Removal and disposal of asbestos containing interior and exterior door caulk from Door #6. (See abatement Key Note 6 for location).
- ASBESTOS ABATEMENT: Selective removal of plaster ceiling to access pipe insulation above. Glovebag removal of all ACM pipe insulation above ceiling. (See abatement Key Note 7 for location).
- ASBESTOS ABATEMENT: Selective removal of metal ceiling and or drop ceiling system to access pipe ceiling above. Glovebag removal of all ACM pipe insulation above ceiling. (See abatement Key Note 8 for location).
- ASBESTOS ABATEMENT: Selective removal of suspended ceiling and plaster ceiling to access pipe insulation above. Glovebag removal of all ACM pipe insulation above ceiling. (See abatement Key Note 9 for location).
- ASBESTOS ABATEMENT: Gross removal of asbestos containing duct sealant. Scope includes complete demolition and disposal of existing Air Handlers, ductwork within mezzanine. Not all Ductwork is to be demolished. (See Mezzanine Ventilation Demolition Plan). (See abatement Key Note 10 for location).
- UNIVERSAL WASTE AND HAZARDOUS WASTE: Removal and disposal of all mercury switches. (See abatement Key Note 11for location).
- ALTERNATE # 1: Removal and disposal of approximately 60SF of floor tile and mastic using mechanical means. (See abatement Key Note A and 4for exact location).

- ALTERNATE # 2: Non - friable removal and disposal of approximately 150SF of floor tile and mastic. (See abatement Key Note A and 4for exact location).
- ALTERNATE # 3: Removal and disposal of approximately 150SF of floor tile and mastic using mechanical means. (See abatement Key Note A and 4for exact location).
- ALTERNATE # 4: Removal and disposal of floor tile and mastic using mechanical means from entire room and the removal of sink cabinets and sinks with ACM coating from rooms 02, 03, 04, 05, 06, 07, 20, and 21. Room 01 includes removal of the sink cabinet, sink with ACM coating and ACM floor tile and mastic under cabinet. Removal of sink cabinets and sinks with ACM coating from Rooms 16, 17, 18, and 19 using the mini- containment method. (See abatement Key Note A for location). Install temporary plywood blank on wall to cover plumbing access after sink cabinet removal.

GENERAL NOTES	
ABATEMENT CONTRACTOR RESPONSIBLE FOR VERIFYING CONDITIONS AND MATERIAL QUANTITIES PRIOR TO SUBMITTING PRICING PROPOSAL TO EAST AURORA SCHOOL DISTRICT # 131. NO PROJECT CHANGE ORDERS SHALL BE CONSIDERED FOR CONDITIONS OR QUANTITIES THAT COULD HAVE OR SHOULD HAVE BEEN IDENTIFIED PRIOR TO PRICING SUBMITTAL.	
CEILING MOUNTED LED LIGHT FIXTURES TO BE REMOVED BY OTHERS.	
ALL MASTIC REMOVAL MUST BE COMPLETED USING MECHANICAL METHODS. UNLESS OTHERWISE SPECIFIED	
ABATEMENT CONTRACTOR RESPONSIBLE TO COORDINATE ALL ENVIRONMENTAL WORK WITH ENVIRONMENTAL CONSULTANT, BUILDING OWNER, AND GENERAL CONTRACTOR PRIOR TO MOBILIZATION.	
ABATEMENT CONTRACTOR RESPONSIBLE FOR THE SECURITY OF WORK AREAS DURING ALL ABATEMENT ACTIVITIES.	
BUILDING OWNER RESPONSIBLE FOR THE REMOVAL OF ROOM CONTENTS FROM AREAS OF WORK PRIOR TO ABATEMENT.	
COMPLETE PLASTER CEILING REMOVAL INCLUDES BLACK IRON, SUPPORT WIRE, AND WIRE BRACKETS.	
CONTRACTOR TO WALK AREAS OF CEILING DEMOLITION WITH TEM ENVIRONMENTAL, OWNER, ARCHITECT AND GENERAL CONTRACTOR PRIOR TO MOBILIZATION TO CONFIRM ITEMS REQUIRING SALVAGE.	
CONTRACTOR TO SECURE ALL REMAINING ITEMS INCLUDING LOW VOLTAGE, INTERNET, ETC. ABOVE CEILING LINE.	



ENVIRONMENTAL, INC.
174 North Brandon Drive
Glendale Heights, IL 60139
(630) 790-0880
(630) 790-0881 FAX



KRUG ELEMENTARY SCHOOL
240 MELROSE AVENUE
AURORA, IL 60505

ISSUE/REVISION:		
REV.	DATE	DESCRIPTION
1	10/22/20	ISSUED FOR BID

EAST AURORA SCHOOL
DISTRICT #131
417 5TH STREET AURORA IL
60505

PROJECT:

KRUG ELEMENTARY
SCHOOL
ABATEMENT PLAN

DRAWING TITLE:

MEZZANINE LEVEL
ABATEMENT PLAN

DESIGNED BY: JAMES TUINENGA, CIH
DRAWN BY: DRAKE OTTLEY
CHECKED BY: STEVEN GENESER
PROJECT NO: 60885
SHEET NO.

ASB-02