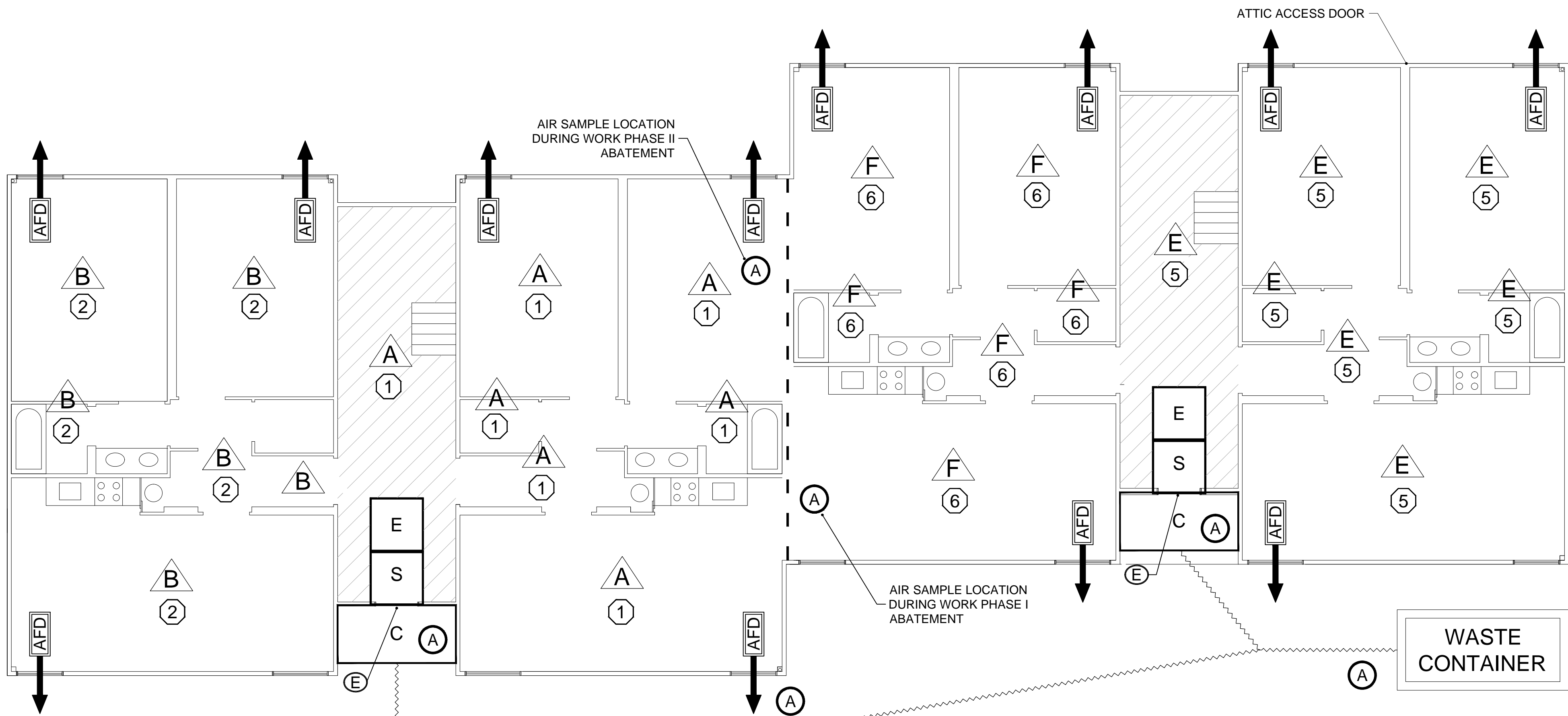
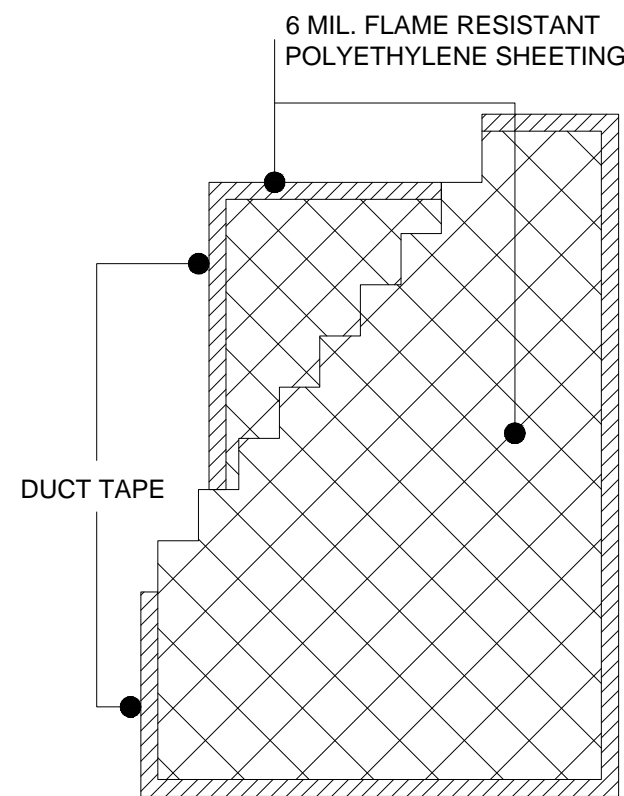


2 INTERNATIONAL SECOND FLOOR
AA.1 SCALE: 3/16" = 1' - 0"



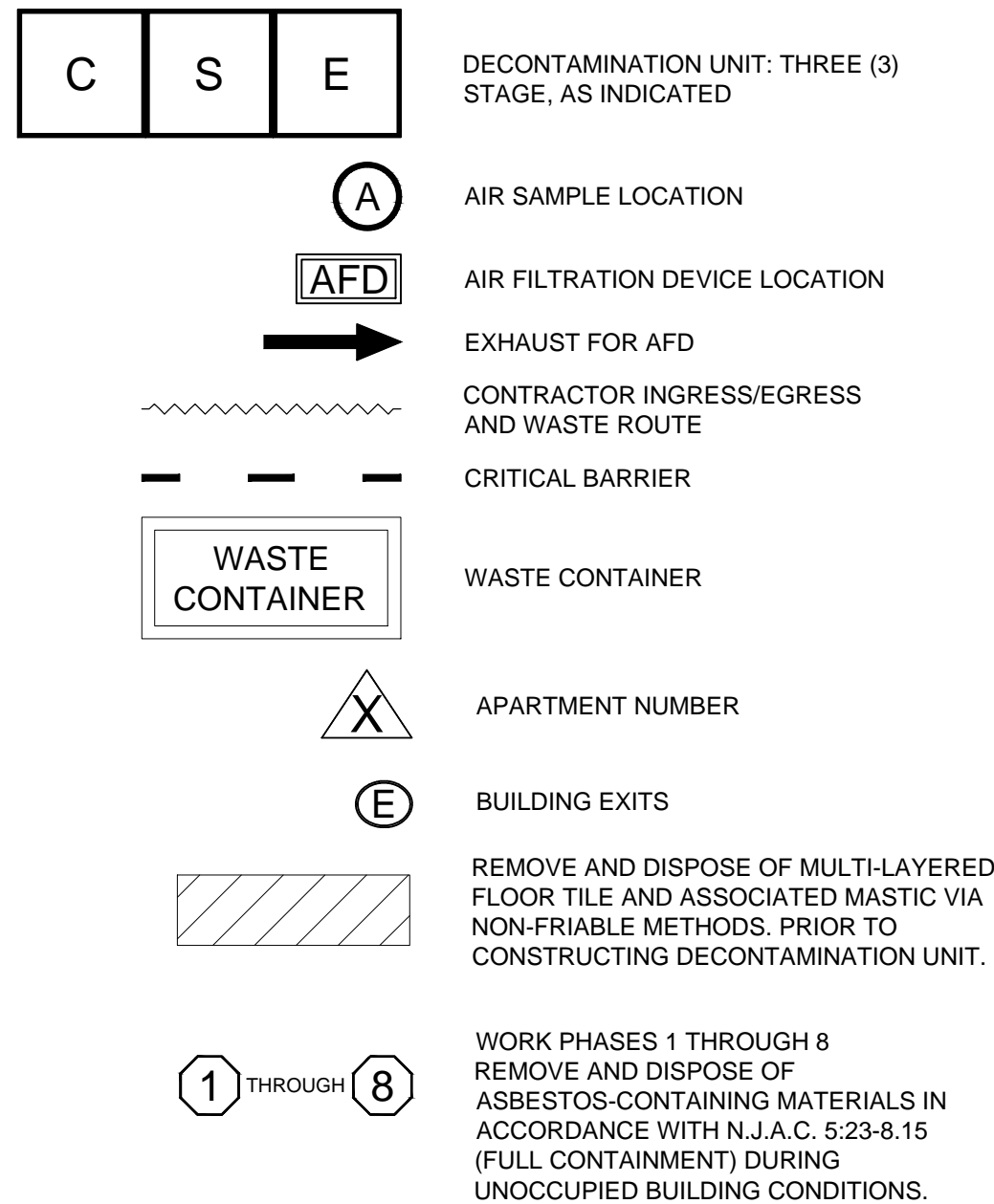
1 INTERNATIONAL FIRST FLOOR
AA.1 SCALE: 3/16" = 1' - 0"



CRITICAL BARRIERS SHALL BE COMPOSED OF TWO (2) INDEPENDENT LAYERS OF SIX (6) MIL. FLAME RESISTANT POLYETHYLENE SHEETING, AFFIXED TO THE SUBSTRATE EITHER WITH DUCT TAPE OR STAPLED OR FASTENED WITH SPRAY-ON ADHESIVES, GLUE BEADS, OR HORIZONTAL WOOD BATTENS.

3 CRITICAL BARRIER
AA.1 SCALE: N.T.S.

- ABATEMENT LEGEND -



- ABATEMENT NOTES -

1. REMOVE AND DISPOSE OF ALL FIXTURES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, CARPET, DOORS/HARDWARE, COVER PLATES, SURFACE MOUNTED WIRING, LIGHTING FIXTURES, THERMOSTATS, FAN COIL UNITS, SIGNS, MOLDING, TRIM, CABINETS, SINK, FAUCETS, STOVES, REFRIGERATORS, SHELVING, MIRRORS, VANITY, TUB, TOILET, ETC. PERFORM SELECTIVE DEMOLITION THAT DOES NOT IMPACT ASBESTOS-CONTAINING MATERIALS. IF ASBESTOS-CONTAINING MATERIALS MAY BE IMPACTED DURING SELECTIVE DEMOLITION ACTIVITIES, THE ITEMS WHICH MAY IMPACT ACM SHALL REMAIN AND BE REMOVED WITHIN A NEGATIVE PRESSURE ENCLOSURE.
2. ALL EXISTING, IN WALL, ELECTRICAL/IT/COMMUNICATION WIRING, OUTLETS, PLUMBING AND FIRE DETECTION/SUPPRESSION SHALL REMAIN.
3. EXTERIOR AND EXPOSED DECONTAMINATION UNIT(S) SHALL BE SHEATHED WITH ONE-HALF INCH (1/2") PLYWOOD AND A SINGLE LAYER OF SIX (6) MIL POLYETHYLENE SHEETING SHALL BE AFFIXED TO THE WALLS AND CEILING OF THE DECONTAMINATION UNIT.
4. PHASE I (HOLLY, MIMOSA, INTERNATIONAL HOUSE, PALM, ELM, AND SCIENCE HOUSE): PRIOR TO ANY PREPARATORY WORK ASSOCIATED WITH N.J.A.C. 5:23-8 AND TO ALLOW FOR THE INSTALLATION OF THE DECONTAMINATION UNIT FOR N.J.A.C. 5:23-8 ABATEMENT WORK, THE CONTRACTOR SHALL REMOVE MULTI-LAYERED ASBESTOS-CONTAINING FLOOR TILE FROM THE ENTRANCES/FOYERS. REMOVAL SHALL BE ACCOMPLISHED VIA NON-FRIABLE METHODS, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
5. PHASE I (HOLLY, MIMOSA, INTERNATIONAL HOUSE, PALM, ELM, AND SCIENCE HOUSE): PRIOR TO PRE-COMMENCEMENT INSPECTION OF N.J.A.C. 5:23-8, THE CONTRACTOR SHALL INSTALL CRITICAL BARRIERS SEALING OFF THE CRAWLSPACE FROM THE EXTERIOR AND ATTIC FROM THE SECOND FLOOR ABATEMENT WORK.
6. REMOVE AND DISPOSE OF ALL LAYERS OF ASBESTOS-CONTAINING RESILIENT FLOOR COVERINGS (FLOOR TILE AND LINOLEUM).
7. REMOVE AND DISPOSE OF ALL LAYERS OF CARPET, PADDING, TACK STRIPS AS CONSTRUCTION DEBRIS. RESILIENT FLOOR COVERINGS (FLOOR TILE) WHICH ADHERE TO CARPET SHALL BE DISPOSED OF AS ASBESTOS WASTE.
8. REMOVE ASBESTOS-CONTAINING DOUBLE LAYER DRYWALL AND ASSOCIATED JOINT COMPOUND FROM ALL ACCESSIBLE LOCATIONS, INCLUDING, BUT NOT LIMITED TO, WALLS, CEILINGS, SOFFITS, ETC. REMOVE ALL FASTENERS (STAPLES, SCREWS, NAILS, ETC.), GLUE AND ADHESIVES FLUSH WITH STUDS/JOISTS. DRYWALL WHICH IS INACCESSIBLE AND REQUIRES ANY REMOVAL OF EXISTING WOOD STRUCTURAL COMPONENTS SHALL BE SCORED FLUSH WITH THE ADJOINING SURFACES AND THE EXPOSED EDGES SHALL BE ENCAPSULATED.
9. REMOVE ALL INSULATION (PIPE, BATT, BLOW-IN, ETC.), CERAMIC TILE AND NON-ASBESTOS FINISHES AS ASBESTOS CONTAMINATED WASTE.

- PHASE I, INTERNATIONAL QUANTITIES -

MATERIALS:	QUANTITY:
DOUBLE LAYER DRYWALL AND JOINT COMPOUND	27,668 SF
RESILIENT FLOOR COVERINGS	3,996 SF
DRYWALL STUD/JOIST ADHESIVE	14,616 LF

Rev #	Date	By

Sheet: 1 of 9

USA Environmental Management, Inc,
344 West State Street
Trenton, NJ 08618
609.656.8101
Environmental, Engineering & Construction

Ramapo College of New Jersey
505 Ramapo Valley Road
Mahwah, New Jersey 07430
College Park Apartments
Phase I

International
Asbestos
Abatement
Plan

Drawing No.

AA.1

USAEMI
Project Number:

15-020310-02

Scale:

AS NOTED

Date:

04-14-2015

Project Designer

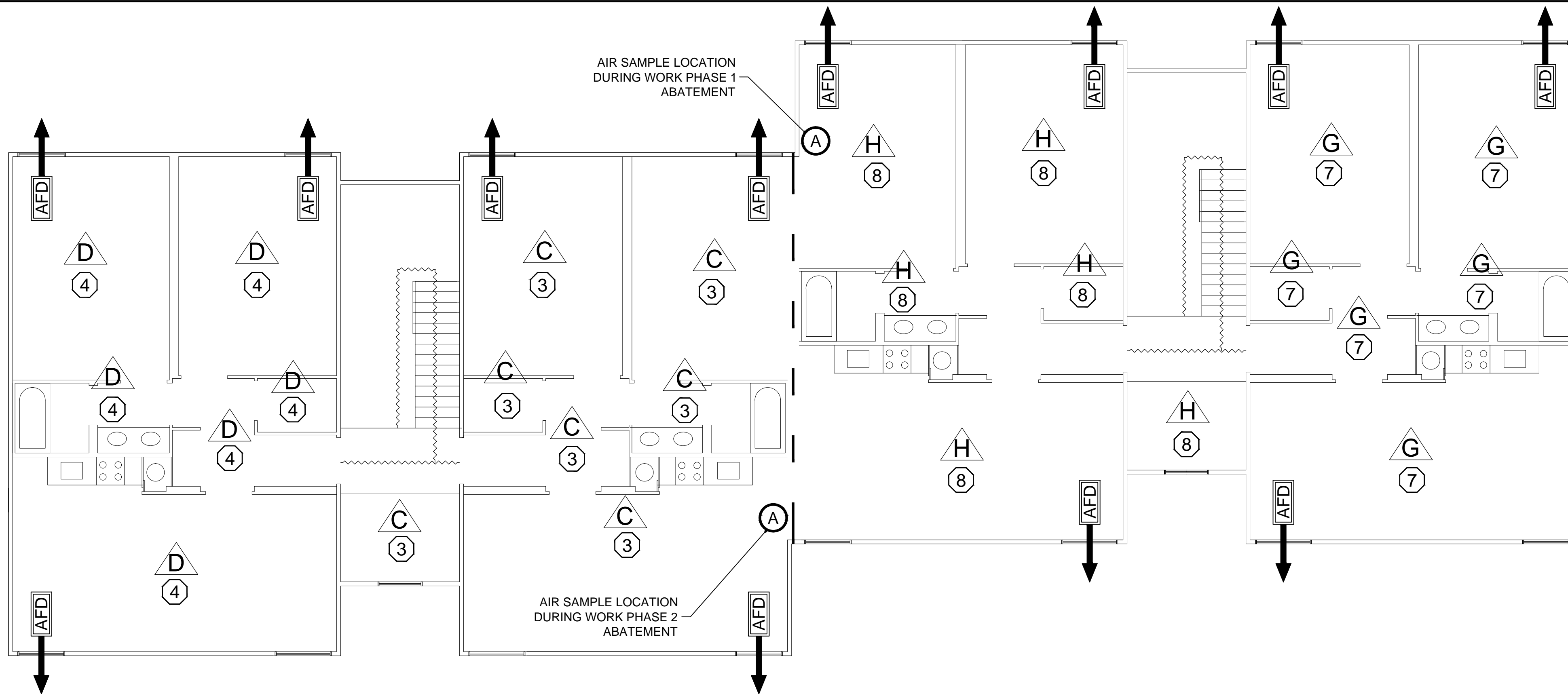
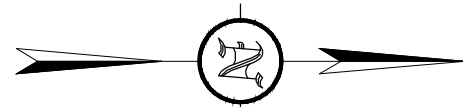
William Weisgarber, Jr.,
Certificate No. NAETI 41684

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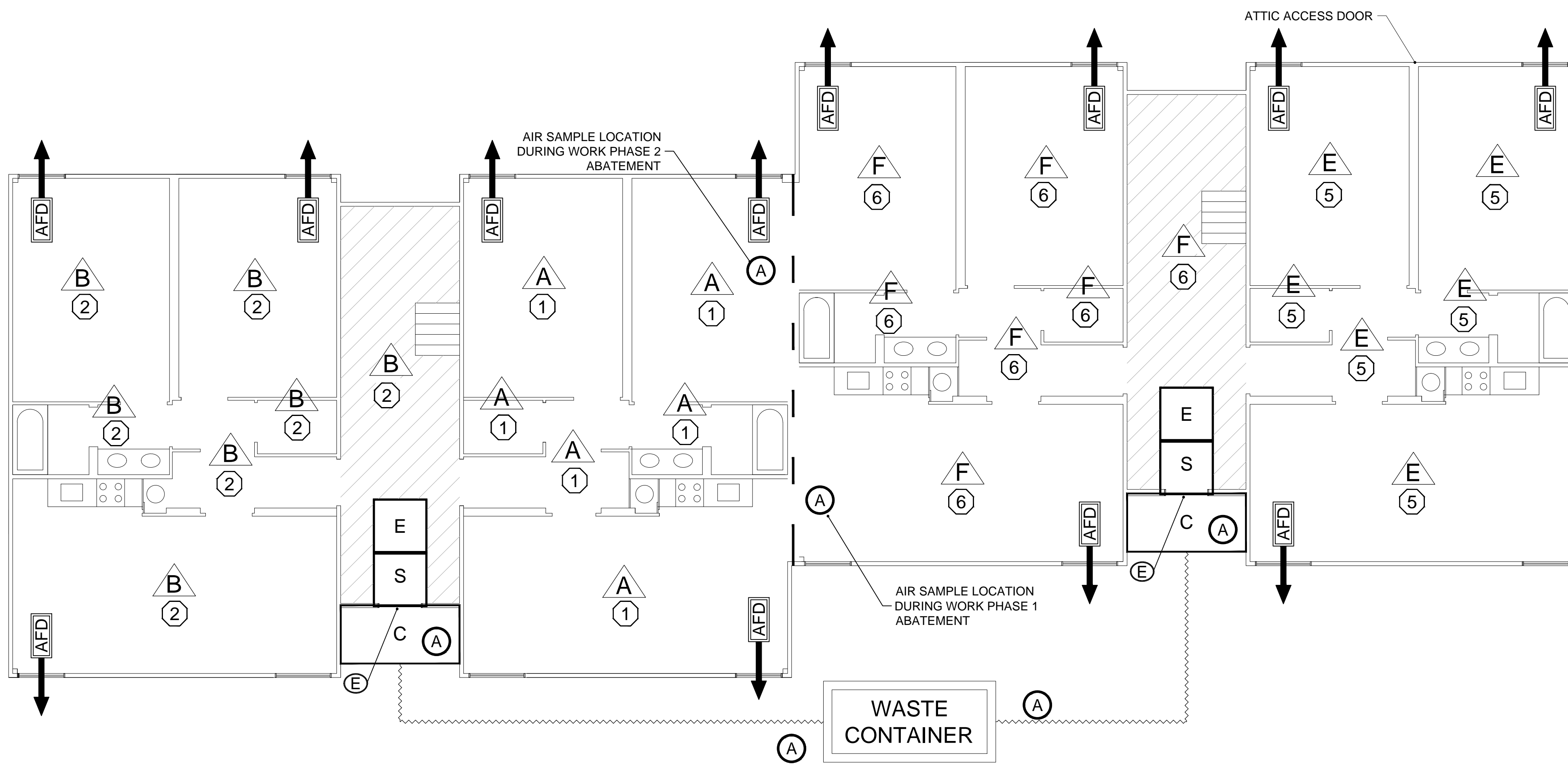
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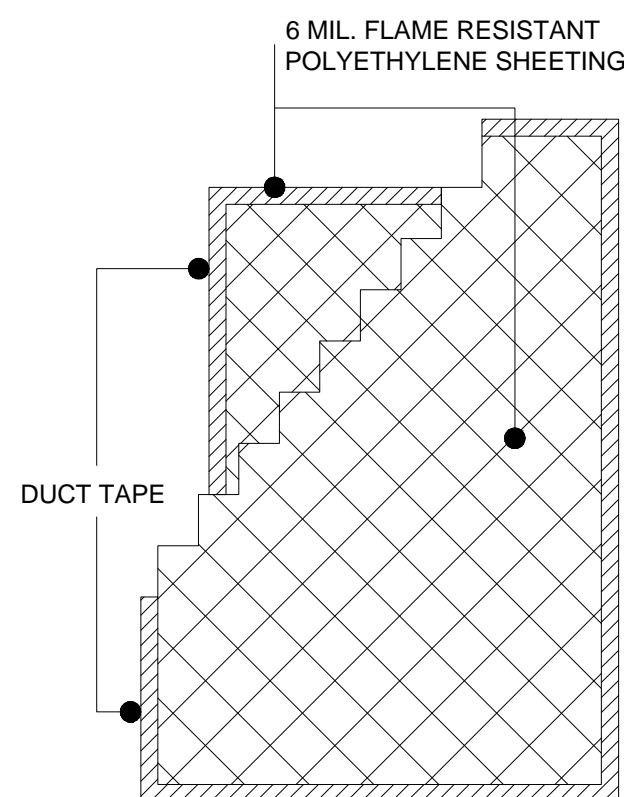
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2 PALM SECOND FLOOR
AA.2 SCALE: 3/16" = 1' - 0"



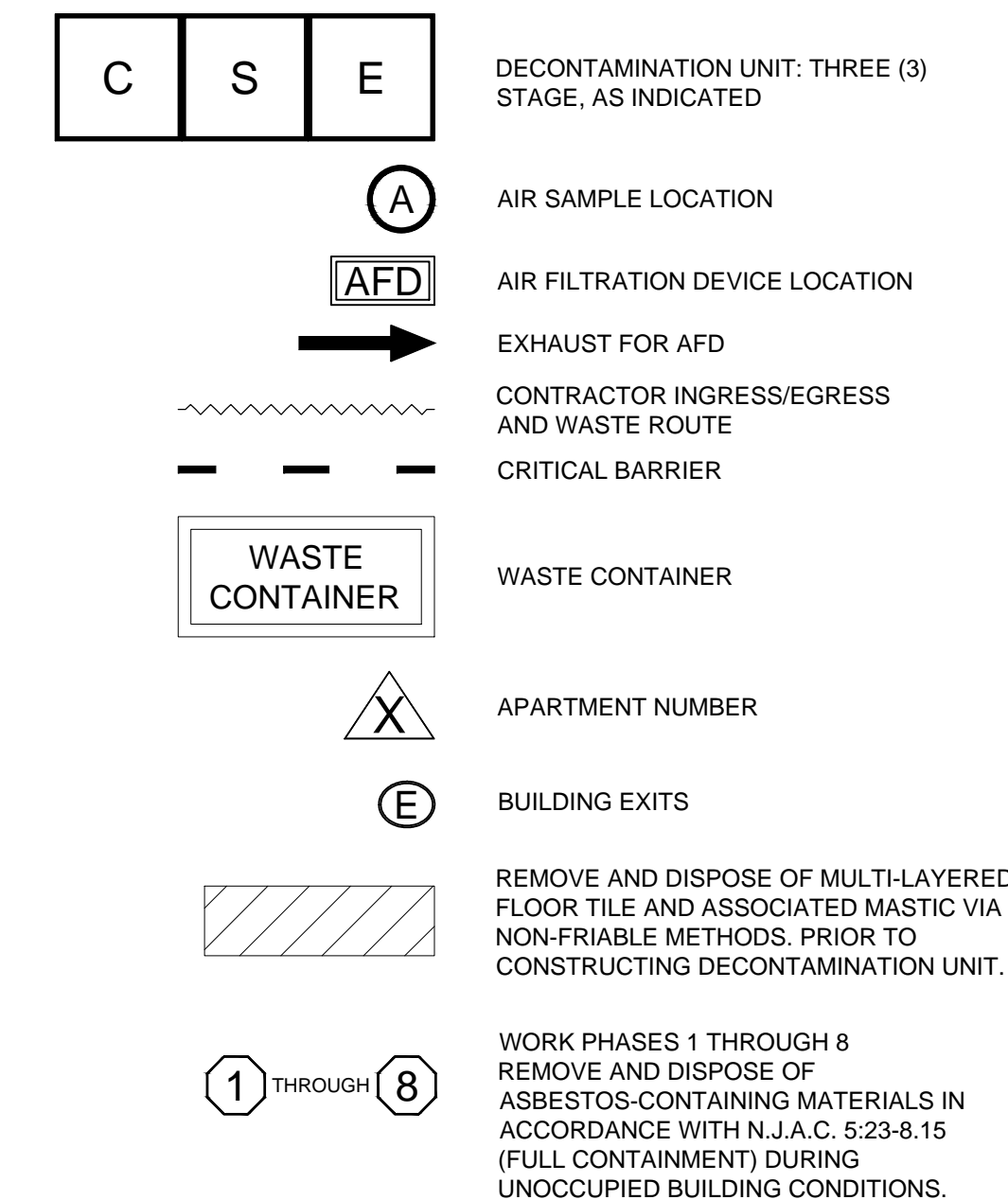
1 PALM FIRST FLOOR
AA.2 SCALE: 3/16" = 1' - 0"



CRITICAL BARRIERS SHALL BE COMPOSED OF TWO (2) INDEPENDENT LAYERS OF SIX (6) MIL. FLAME RESISTANT POLYETHYLENE SHEETING, AFFIXED TO THE SUBSTRATE EITHER WITH DUCT TAPE OR STAPLED OR FASTENED WITH SPRAY-ON ADHESIVES, GLUE BEADS, OR HORIZONTAL WOOD BATTENS.

3 CRITICAL BARRIER
AA.2 SCALE: N.T.S.

- ABATEMENT LEGEND -



- ABATEMENT NOTES -

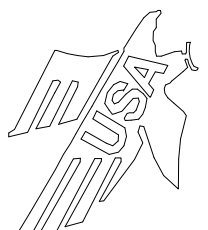
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9. REMOVE ALL INSULATION (PIPE, BATT, BLOWN-IN, ETC.), CERAMIC TILE AND NON-ASBESTOS FINISHES AS ASBESTOS CONTAMINATED WASTE.

- PHASE I, PALM QUANTITIES -

MATERIALS:	QUANTITY:
DOUBLE LAYER DRYWALL AND JOINT COMPOUND	27,668 SF
RESILIENT FLOOR COVERINGS	3,996 SF
DRYWALL STUD/JOIST ADHESIVE	14,616 LF

Rev #	Date	By

Sheet: 2 of 9

USA Environmental Management, Inc,
344 West State Street
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Ramapo College of New Jersey
505 Ramapo Valley Road
Mahwah, New Jersey 07430

College Park Apartments
Phase I

Palm
Asbestos
Abatement
Plan

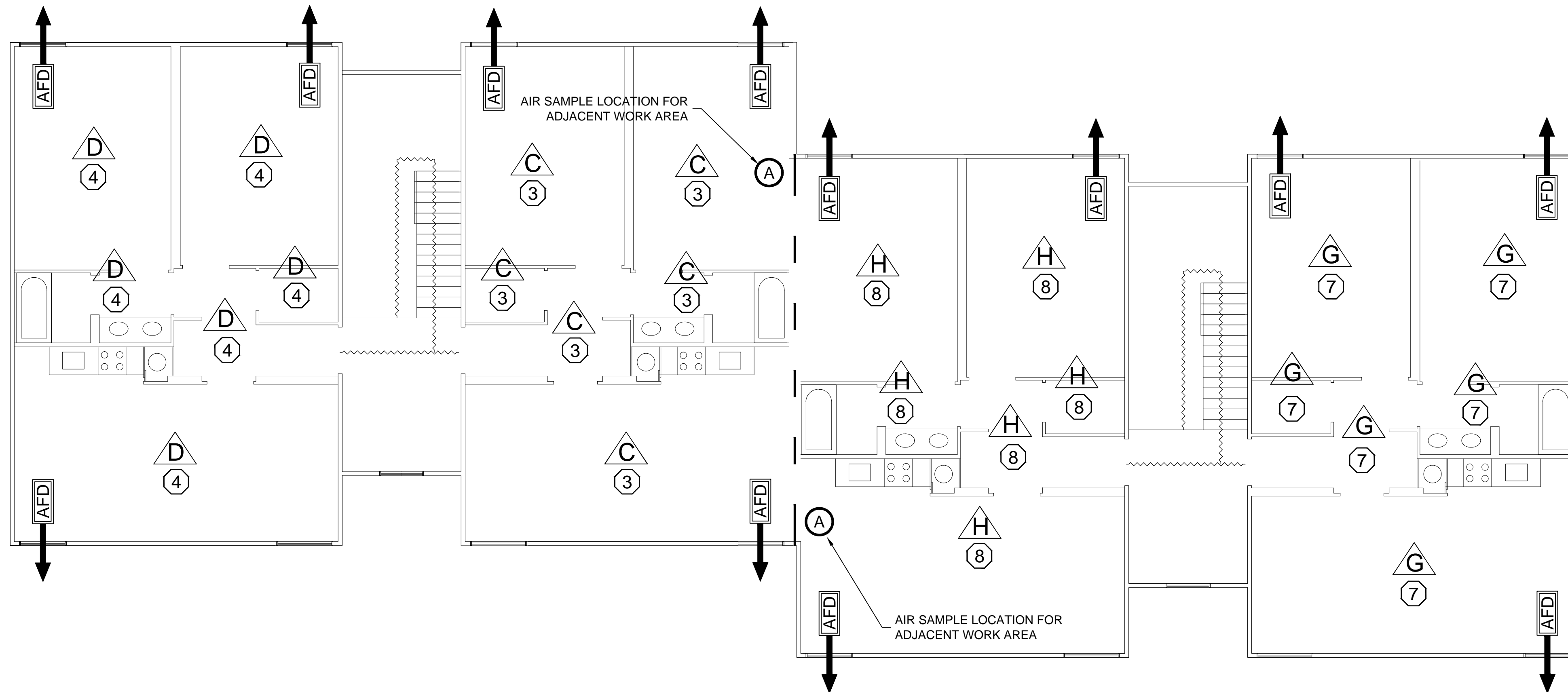
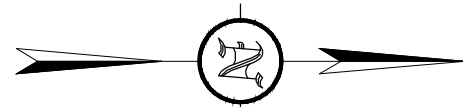
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USAEMI
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15-020310-02

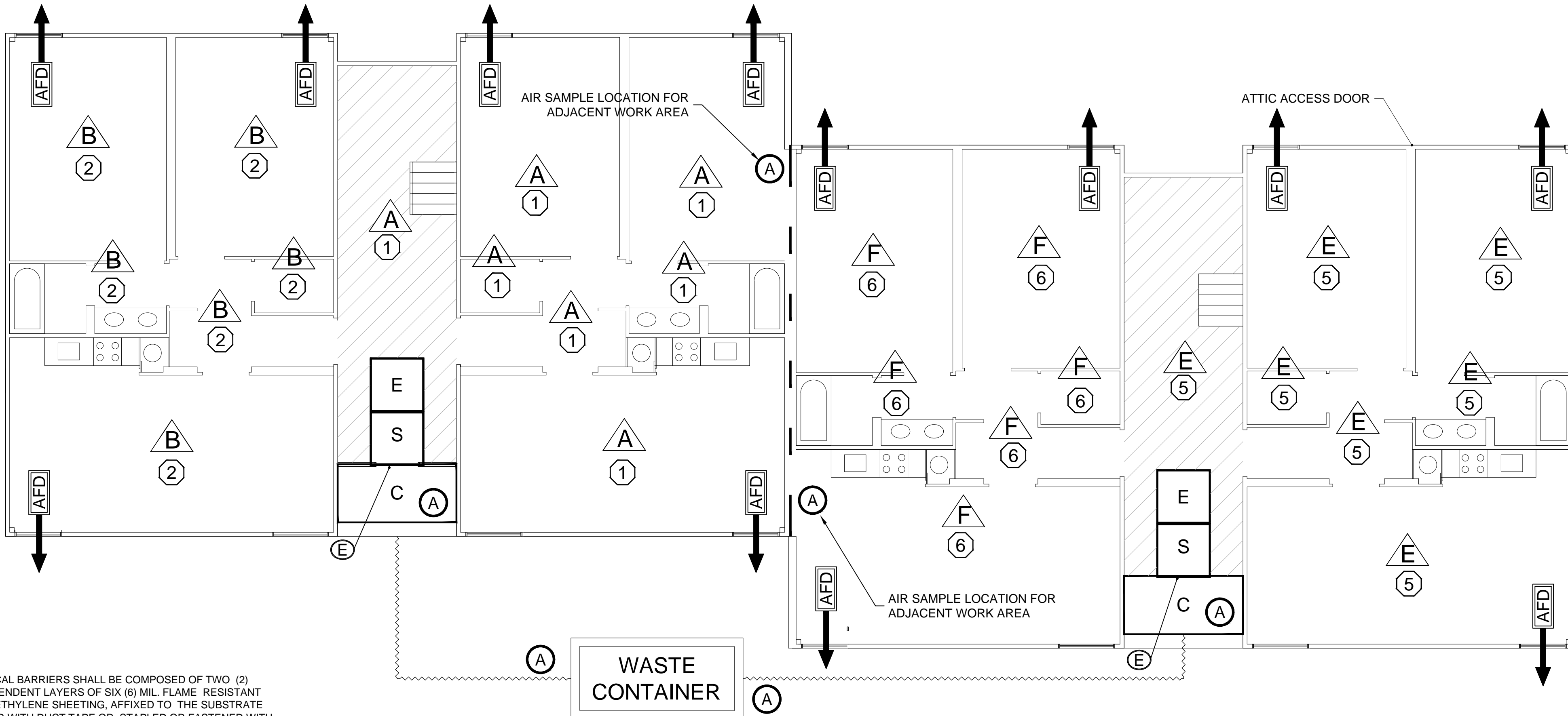
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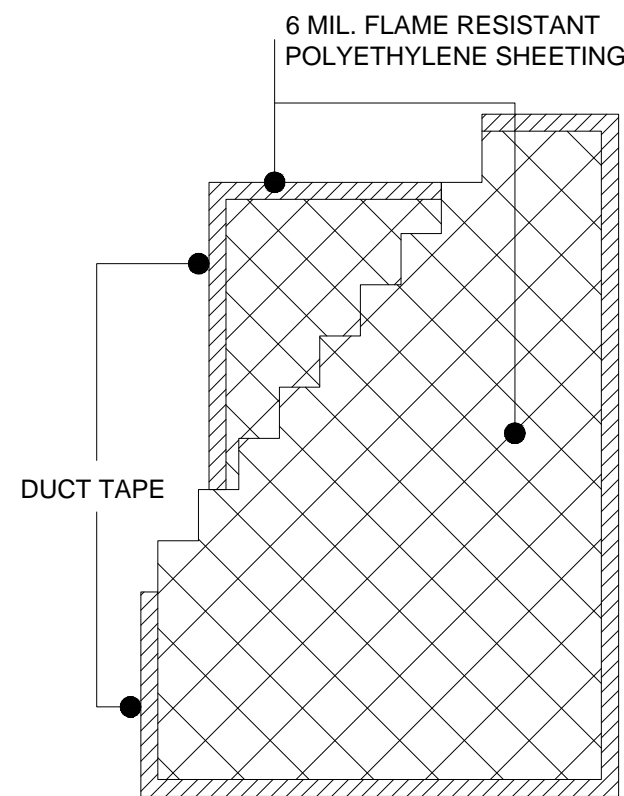
William Weisgarber, Jr., Project Designer
Certificate No. NAEITI 41684



2 ELM SECOND FLOOR
SCALE: 3/16" = 1' - 0"



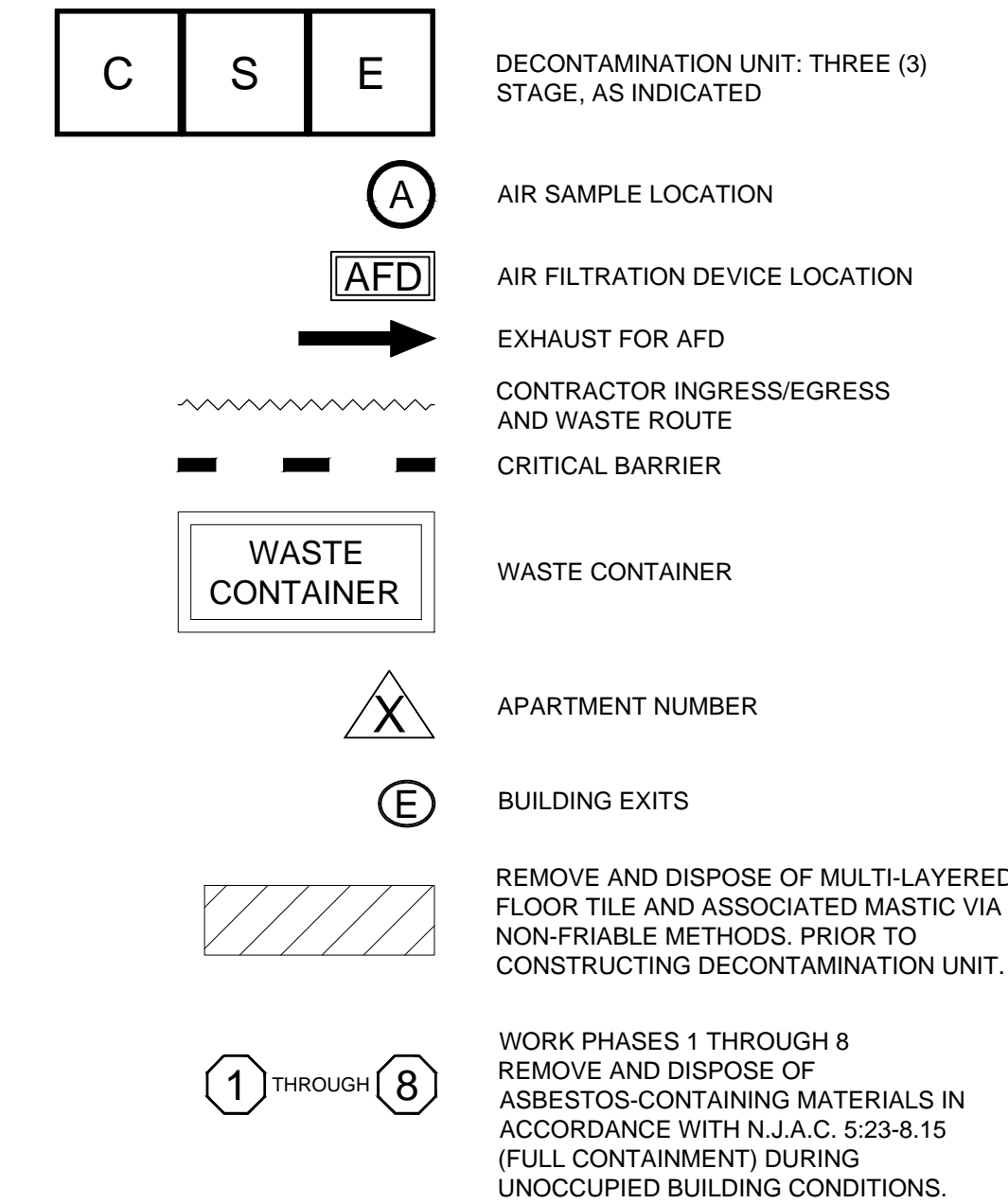
1 ELM FIRST FLOOR
SCALE: 3/16" = 1' - 0"



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3 CRITICAL BARRIER
SCALE: N.T.S.

- ABATEMENT LEGEND -



- ABATEMENT NOTES -

1. REMOVE AND DISPOSE OF ALL FIXTURES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, CARPET, DOORS/HARDWARE, COVER PLATES, SURFACE MOUNTED WIRING, LIGHTING FIXTURES, THERMOSTATS, FAN COIL UNITS, SIGNS, MOLDING, TRIM, CABINETS, SINK, FAUCETS, STOVES, REFRIGERATORS, SHELVEING, MIRRORS, VANITY, TUB, TOILET, ETC. PERFORM SELECTIVE DEMOLITION THAT DOES NOT IMPACT ASBESTOS-CONTAINING MATERIALS. IF ASBESTOS-CONTAINING MATERIALS MAY BE IMPACTED DURING SELECTIVE DEMOLITION ACTIVITIES, THE ITEMS WHICH MAY IMPACT ACM SHALL REMAIN AND BE REMOVED WITHIN A NEGATIVE PRESSURE ENCLOSURE.
2. ALL EXISTING, IN WALL, ELECTRICAL/IT/COMMUNICATION WIRING, OUTLETS, PLUMBING AND FIRE DETECTION/SUPPRESSION SHALL REMAIN.
3. EXTERIOR AND EXPOSED DECONTAMINATION UNIT(S) SHALL BE SHEATHED WITH ONE-HALF INCH (1/2") PLYWOOD AND A SINGLE LAYER OF SIX (6) MIL POLYETHYLENE SHEETING SHALL BE AFFIXED TO THE WALLS AND CEILING OF THE DECONTAMINATION UNIT.
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9. REMOVE ALL INSULATION (PIPE, BATT, BLOWN-IN, ETC.), CERAMIC TILE AND NON-ASBESTOS FINISHES AS ASBESTOS CONTAMINATED WASTE.

- PHASE I, ELM QUANTITIES -

MATERIALS:	QUANTITY:
DOUBLE LAYER DRYWALL AND JOINT COMPOUND	27,668 SF
RESILIENT FLOOR COVERINGS	3,996 SF
DRYWALL STUD/JOIST ADHESIVE	14,616 LF

Rev #	Date	By

USAEMI
Project Number:
15-020310-02

Scale:
AS NOTED

Date:
04-14-2015

Project Designer
William Weisgarber, Jr.,
Certificate No. NAETI 41684

USA Environmental Management, Inc.,
344 West State Street
Trenton, NJ 08618
609.656.8101

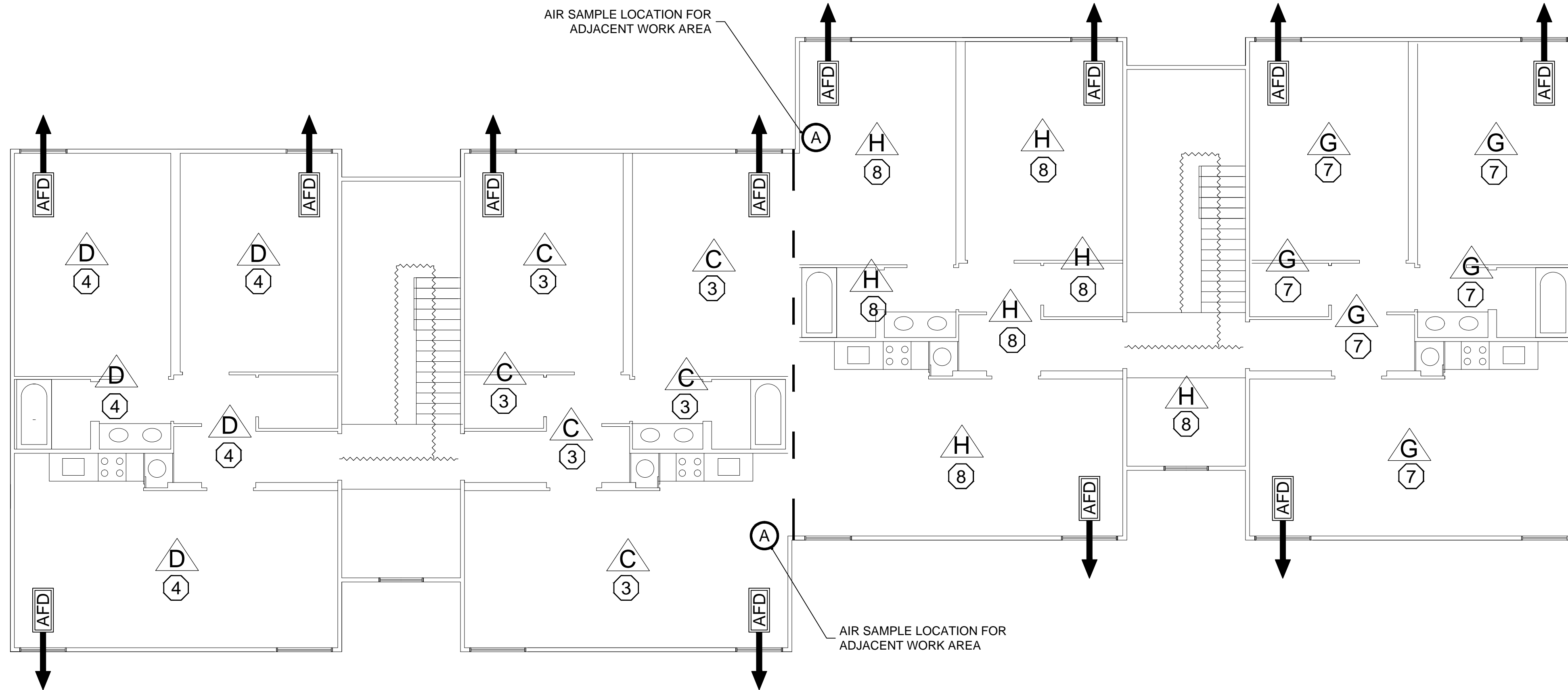
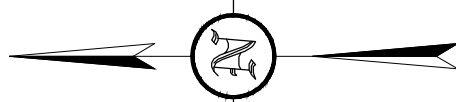
Client:
Ramapo College of New Jersey
505 Ramapo Valley Road
Mahwah, New Jersey 07430

Site:
College Park Apartments
Phase I

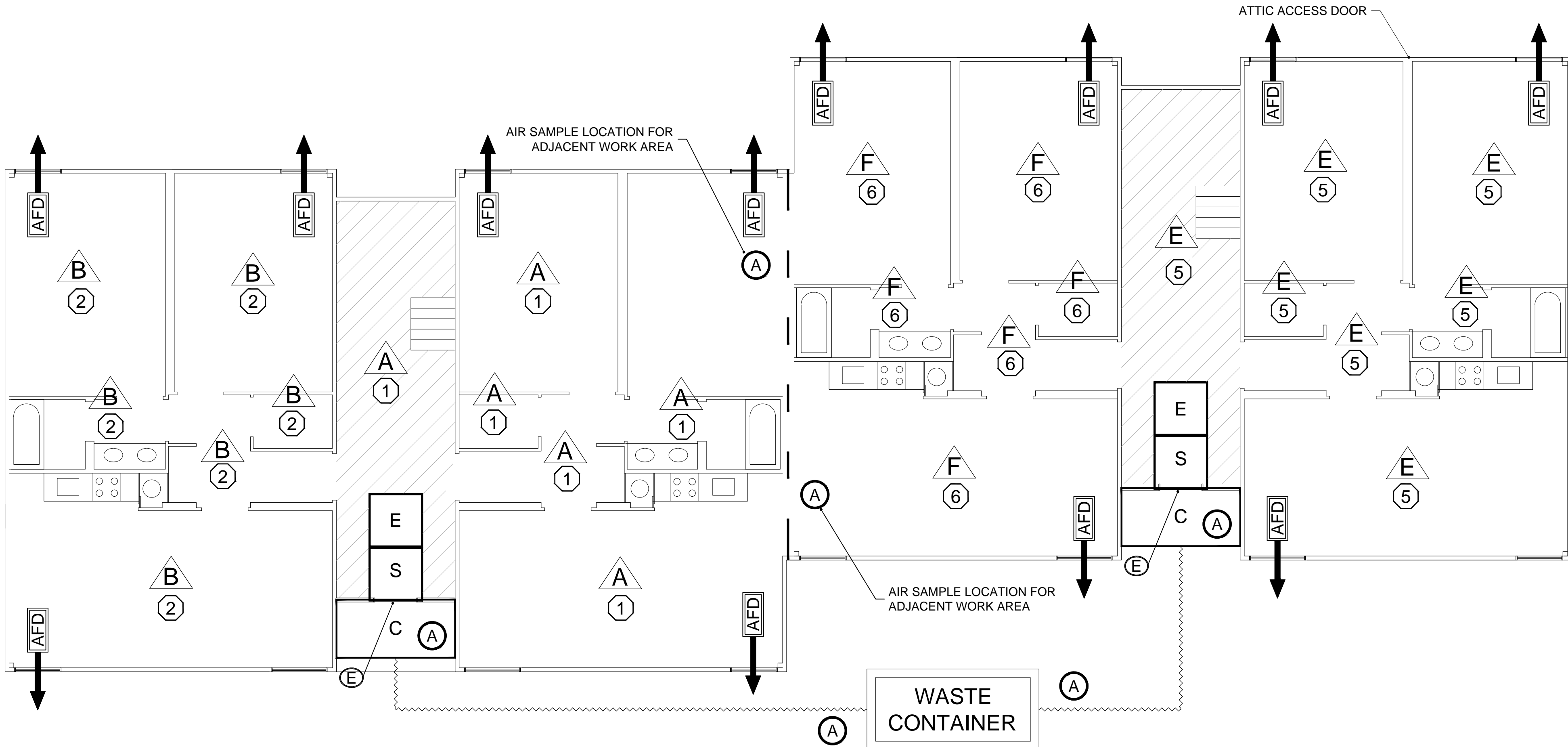
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Elm
Asbestos
Abatement
Plan

Drawing No.
AA.3

Sheet: 3 of 9

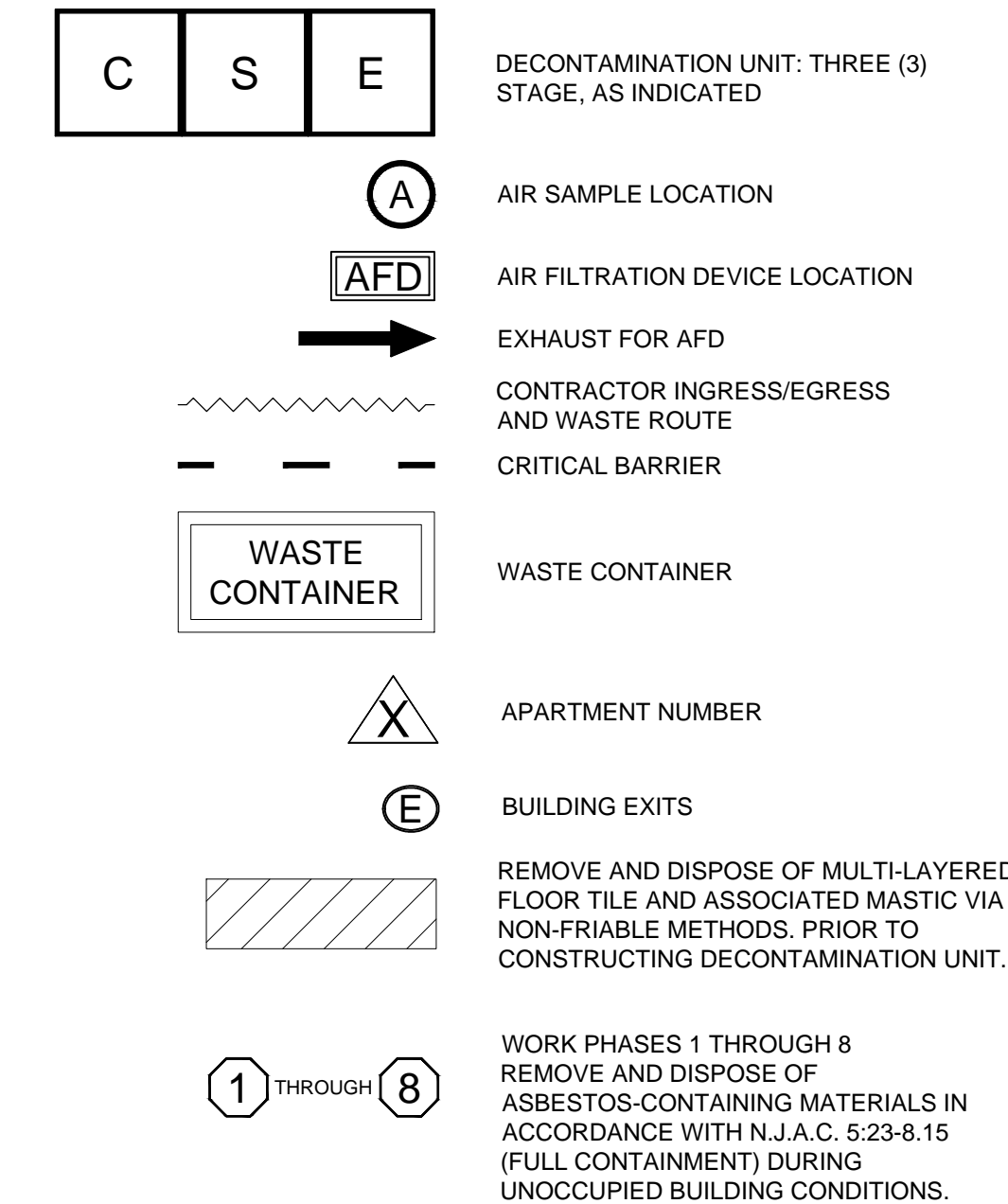


2 SCIENCE SECOND FLOOR
SCALE: 3/16" = 1' - 0"



1 SCIENCE FIRST FLOOR
SCALE: 3/16" = 1' - 0"

- ABATEMENT LEGEND -



- ABATEMENT NOTES -

1. REMOVE AND DISPOSE OF ALL FIXTURES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, CARPET, DOORS/HARDWARE, COVER PLATES, SURFACE MOUNTED WIRING, LIGHTING FIXTURES, THERMOSTATS, FAN COIL UNITS, SIGNS, MOLDING, TRIM, CABINETS, SINK, FAUCETS, STOVES, REFRIGERATORS, SHELVEING, MIRRORS, VANITY, TUB, TOILET, ETC. PERFORM SELECTIVE DEMOLITION THAT DOES NOT IMPACT ASBESTOS-CONTAINING MATERIALS. IF ASBESTOS-CONTAINING MATERIALS MAY BE IMPACTED DURING SELECTIVE DEMOLITION ACTIVITIES, THE ITEMS WHICH MAY IMPACT ACM SHALL REMAIN AND BE REMOVED WITHIN A NEGATIVE PRESSURE ENCLOSURE.
2. ALL EXISTING, IN WALL, ELECTRICAL/IT/COMMUNICATION WIRING, OUTLETS, PLUMBING AND FIRE DETECTION/SUPPRESSION SHALL REMAIN.
3. EXTERIOR AND EXPOSED DECONTAMINATION UNIT(S) SHALL BE SHEATHED WITH ONE-HALF INCH (1/2") PLYWOOD AND A SINGLE LAYER OF SIX (6) MIL POLYETHYLENE SHEETING SHALL BE AFFIXED TO THE WALLS AND CEILING OF THE DECONTAMINATION UNIT.
4. PHASE I (HOLLY, MIMOSA, INTERNATIONAL HOUSE, PALM, ELM, AND SCIENCE HOUSE): PRIOR TO ANY PREPARATORY WORK ASSOCIATED WITH N.J.A.C. 5:23-8 AND TO ALLOW FOR THE INSTALLATION OF THE DECONTAMINATION UNIT FOR N.J.A.C. 5:23-8 ABATEMENT WORK, THE CONTRACTOR SHALL REMOVE MULTI-LAYERED ASBESTOS-CONTAINING FLOOR TILE FROM THE ENTRANCES/FOYERS. REMOVAL SHALL BE ACCOMPLISHED VIA NON-FRIABLE METHODS, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
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9. REMOVE ALL INSULATION (PIPE, BATT, BLOWN-IN, ETC.), CERAMIC TILE AND NON-ASBESTOS FINISHES AS ASBESTOS CONTAMINATED WASTE.

- PHASE I, SCIENCE QUANTITIES -

MATERIALS:	QUANTITY:
DOUBLE LAYER DRYWALL AND JOINT COMPOUND	27,668 SF
RESILIENT FLOOR COVERINGS	3,996 SF
DRYWALL STUD/JOIST ADHESIVE	14,616 LF

Rev #	Date	By

Drawing No.

AA.4

Sheet: 4 of 9

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344 West State Street
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Environmental, Engineering & Construction

Ramapo College of New Jersey
505 Ramapo Valley Road
Mahwah, New Jersey 07430
College Park Apartments
Phase I

Science
Asbestos
Abatement
Plan

USAEMI
Project Number:
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Scale:
AS NOTED

Date:
04-14-2015

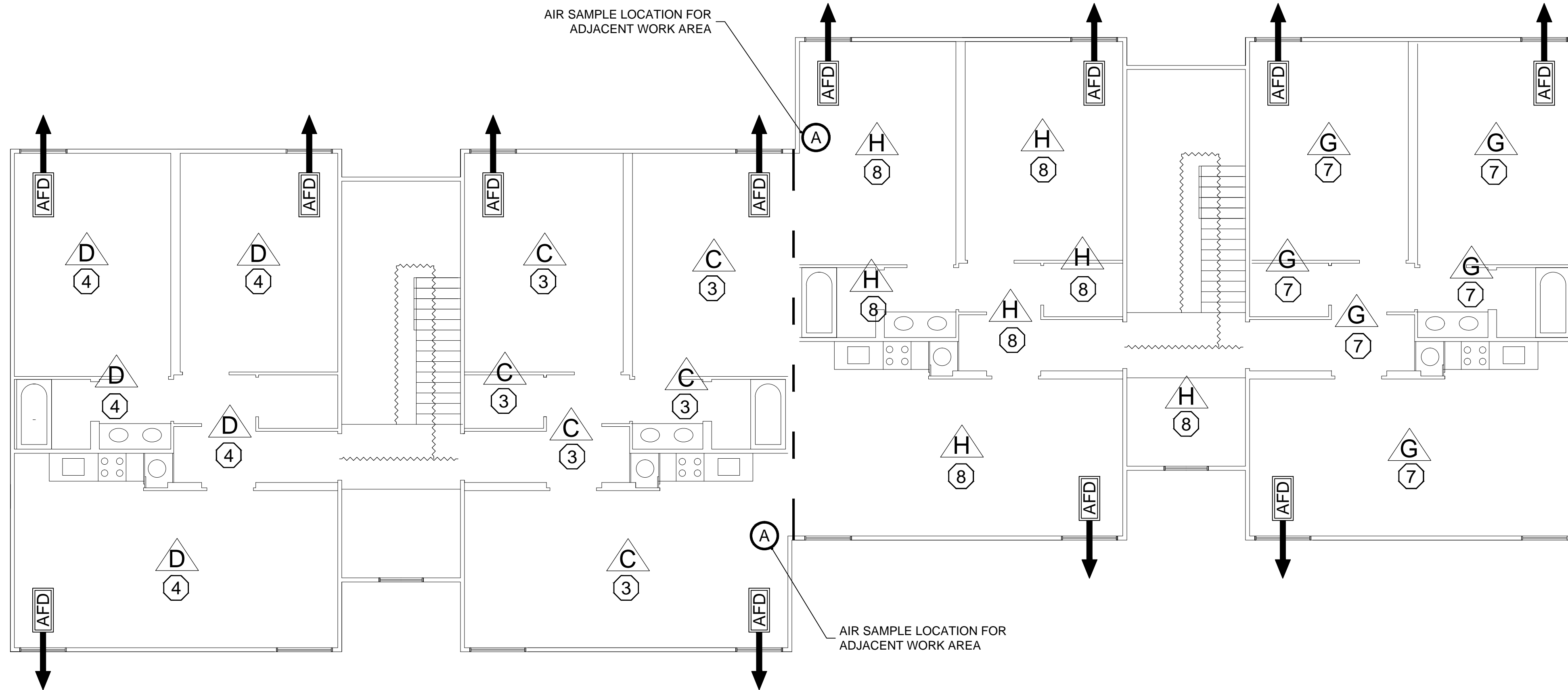
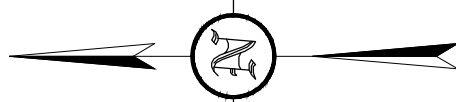
William Weisgarber, Jr., Project Designer
Certificate No. NAETI 41684

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Environmental, Engineering & Construction

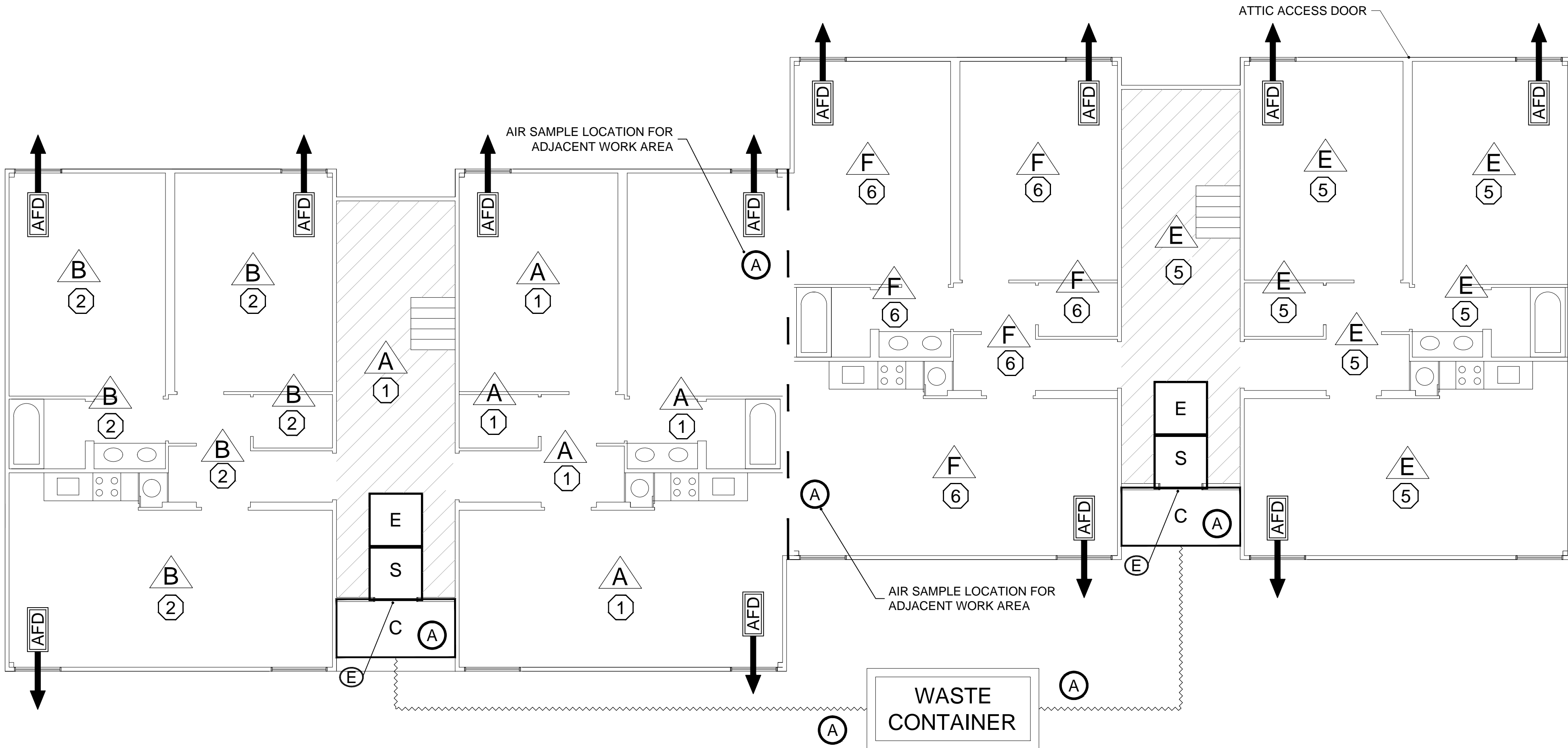
Ramapo College of New Jersey
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College Park Apartments
Phase I

Science
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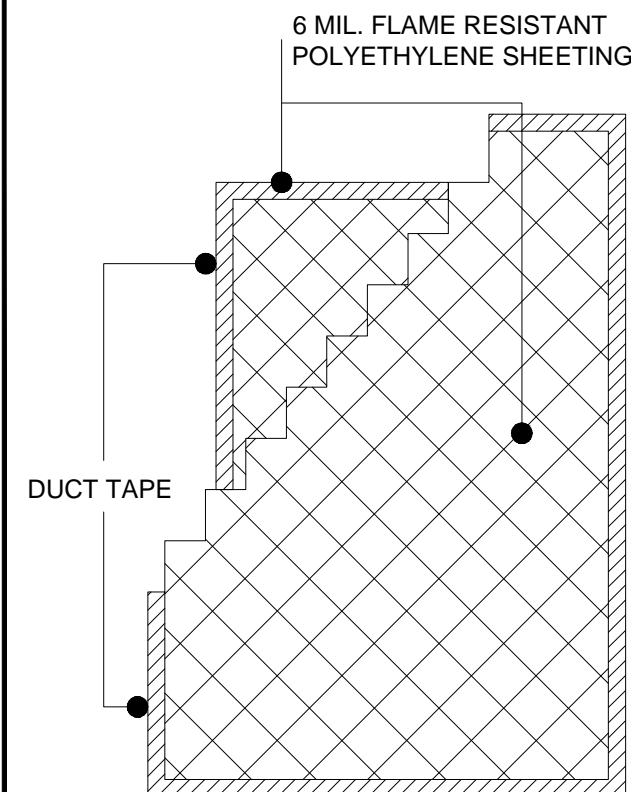
Sheet: 4 of 9



2 SCIENCE SECOND FLOOR
SCALE: 3/16" = 1' - 0"



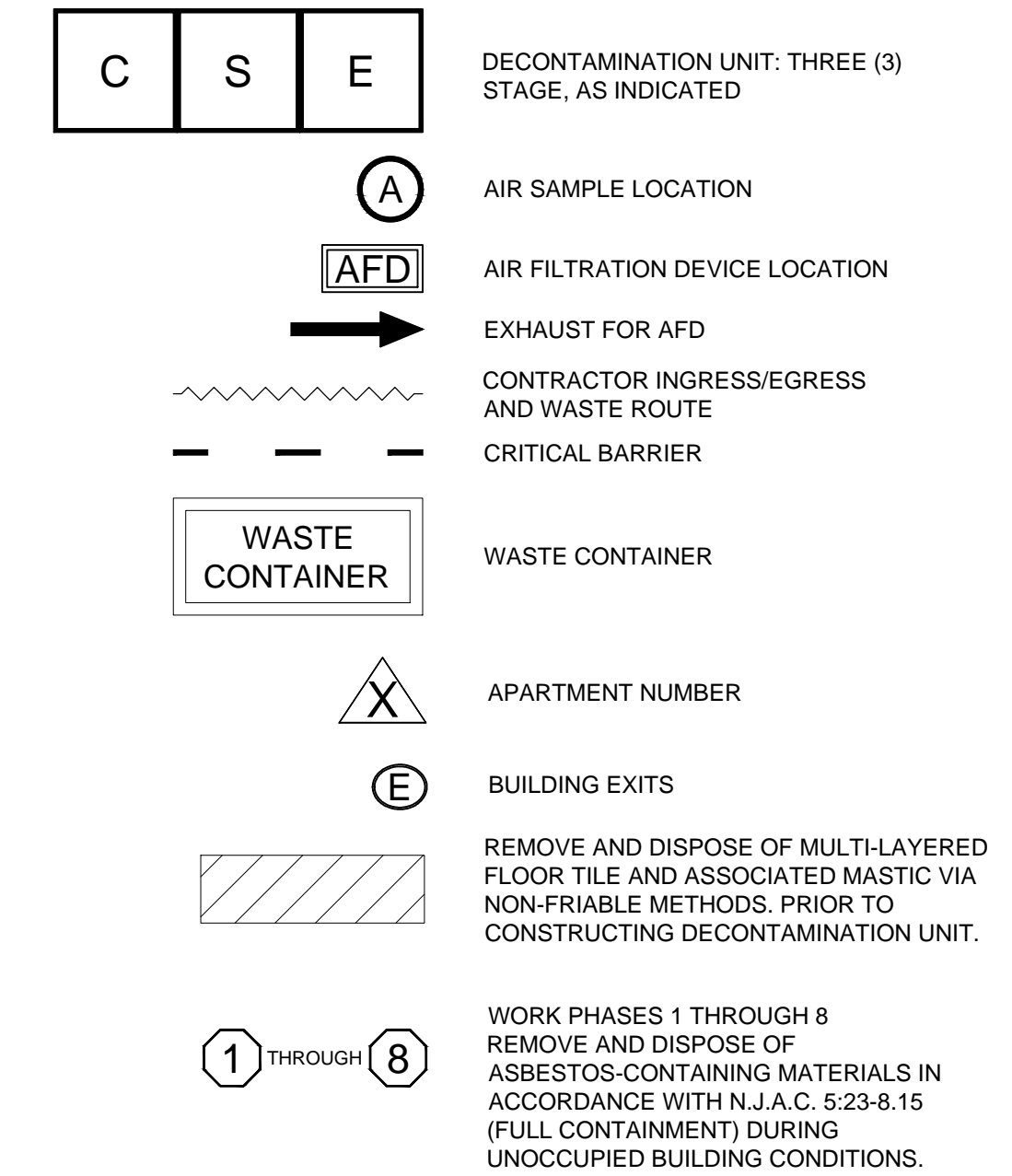
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SCALE: 3/16" = 1' - 0"



CRITICAL BARRIERS SHALL BE COMPOSED OF TWO (2) INDEPENDENT LAYERS OF SIX (6) MIL. FLAME RESISTANT POLYETHYLENE SHEETING, AFFIXED TO THE SUBSTRATE EITHER WITH DUCT TAPE OR STAPLED OR FASTENED WITH SPRAY-ON ADHESIVES, GLUE BEADS, OR HORIZONTAL WOOD BATTENS.

3 CRITICAL BARRIER
SCALE: N.T.S.

- ABATEMENT LEGEND -



- ABATEMENT NOTES -

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- ALL EXISTING, IN WALL, ELECTRICAL/IT/COMMUNICATION WIRING, OUTLETS, PLUMBING AND FIRE DETECTION/SUPPRESSION SHALL REMAIN.
- EXTERIOR AND EXPOSED DECONTAMINATION UNIT(S) SHALL BE SHEATHED WITH ONE-HALF INCH (1/2") PLYWOOD AND A SINGLE LAYER OF SIX (6) MIL POLYETHYLENE SHEETING SHALL BE AFFIXED TO THE WALLS AND CEILING OF THE DECONTAMINATION UNIT.
- PHASE I (HOLLY, MIMOSA, INTERNATIONAL HOUSE, PALM, ELM, AND SCIENCE HOUSE): PRIOR TO ANY PREPARATORY WORK ASSOCIATED WITH N.J.A.C. 5:23-8 AND TO ALLOW FOR THE INSTALLATION OF THE DECONTAMINATION UNIT FOR N.J.A.C. 5:23-8 ABATEMENT WORK, THE CONTRACTOR SHALL REMOVE MULTI-LAYERED ASBESTOS-CONTAINING FLOOR TILE FROM THE ENTRANCES/FOYERS. REMOVAL SHALL BE ACCOMPLISHED VIA NON-FRIABLE METHODS, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- PHASE I (HOLLY, MIMOSA, INTERNATIONAL HOUSE, PALM, ELM, AND SCIENCE HOUSE): PRIOR TO PRE-COMMENCEMENT INSPECTION OF N.J.A.C. 5:23-8, THE CONTRACTOR SHALL INSTALL CRITICAL BARRIERS SEALING OFF THE CRAWLSPACE FROM THE EXTERIOR AND ATTIC FROM THE SECOND FLOOR ABATEMENT WORK.
- REMOVE AND DISPOSE OF ALL LAYERS OF ASBESTOS-CONTAINING RESILIENT FLOOR COVERINGS (FLOOR TILE AND LINOLEUM).
- REMOVE AND DISPOSE OF ALL LAYERS OF CARPET, PADDING, TACK STRIPS AS CONSTRUCTION DEBRIS. RESILIENT FLOOR COVERINGS (FLOOR TILE) WHICH ADHERE TO CARPET SHALL BE DISPOSED OF AS ASBESTOS WASTE.
- REMOVE ASBESTOS-CONTAINING DOUBLE LAYER DRYWALL AND ASSOCIATED JOINT COMPOUND FROM ALL ACCESSIBLE LOCATIONS, INCLUDING, BUT NOT LIMITED TO, WALLS, CEILINGS, SOFFITS, ETC. REMOVE ALL FASTENERS (STAPLES, SCREWS, NAILS, ETC.), GLUE AND ADHESIVES FLUSH WITH STUDS/JOISTS. DRYWALL WHICH IS INACCESSIBLE AND REQUIRES ANY REMOVAL OF EXISTING WOOD STRUCTURAL COMPONENTS SHALL BE SCORED FLUSH WITH THE ADJOINING SURFACES AND THE EXPOSED EDGES SHALL BE ENCAPSULATED.
- REMOVE ALL INSULATION (PIPE, BATT, BLOWN-IN, ETC.), CERAMIC TILE AND NON-ASBESTOS FINISHES AS ASBESTOS CONTAMINATED WASTE.

- PHASE I, SCIENCE QUANTITIES -

MATERIALS:	QUANTITY:
DOUBLE LAYER DRYWALL AND JOINT COMPOUND	27,668 SF
RESILIENT FLOOR COVERINGS	3,996 SF
DRYWALL STUD/JOIST ADHESIVE	14,616 LF

Rev #	Date	By

Sheet: 4 of 9

USAEMI
Project Number:
15-020310-02

Scale:
AS NOTED

Date:
04-14-2015

Project Designer
William Weisgarber, Jr.,
Certificate No. NAEIT 41684

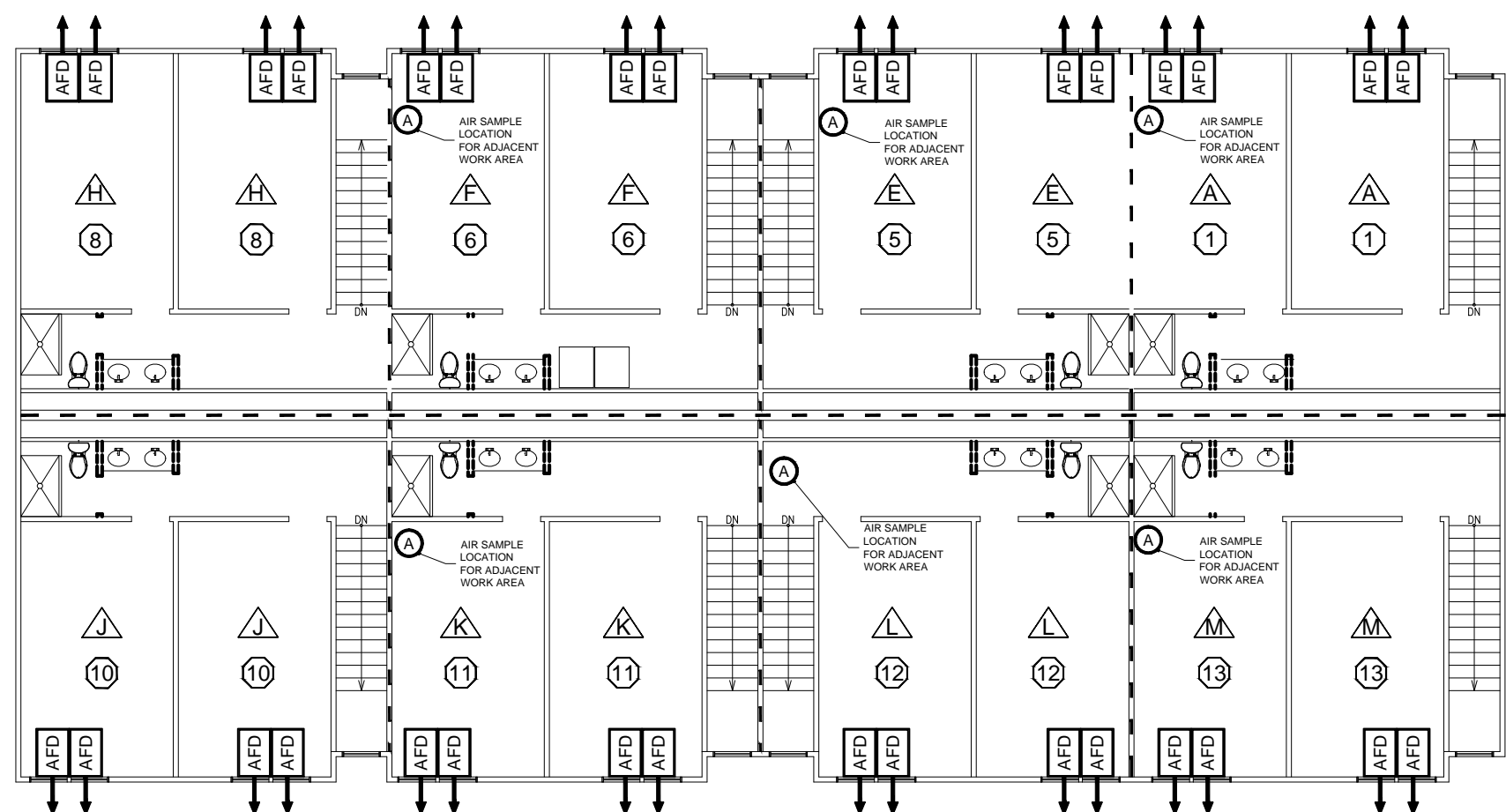
USA Environmental Management, Inc.,
344 West State Street
Trenton, NJ 08618
609.656.8101

Client:
Ramapo College of New Jersey
505 Ramapo Valley Road
Mahwah, New Jersey 07430

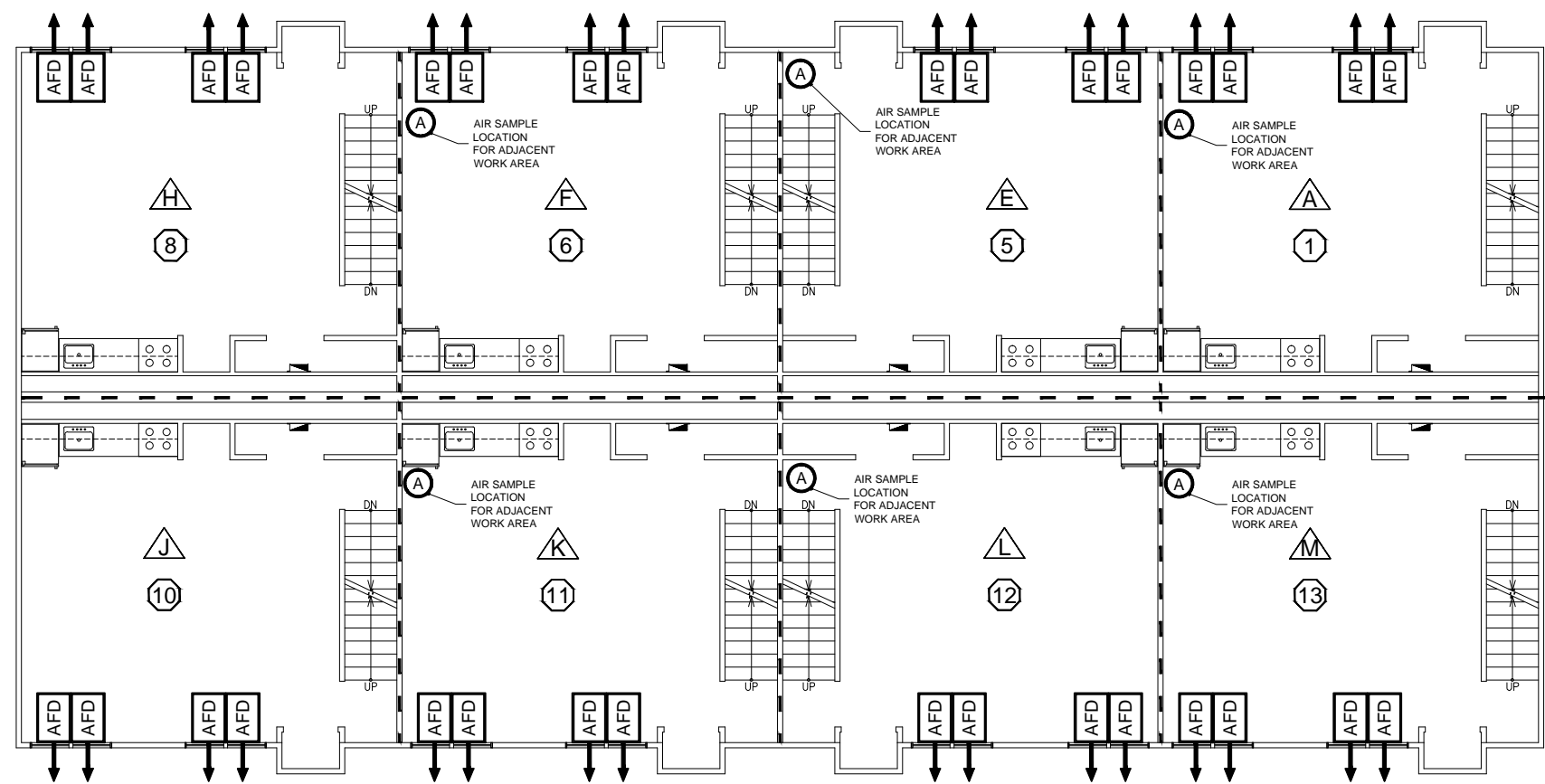
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Science
Asbestos
Abatement
Plan

Drawing No.

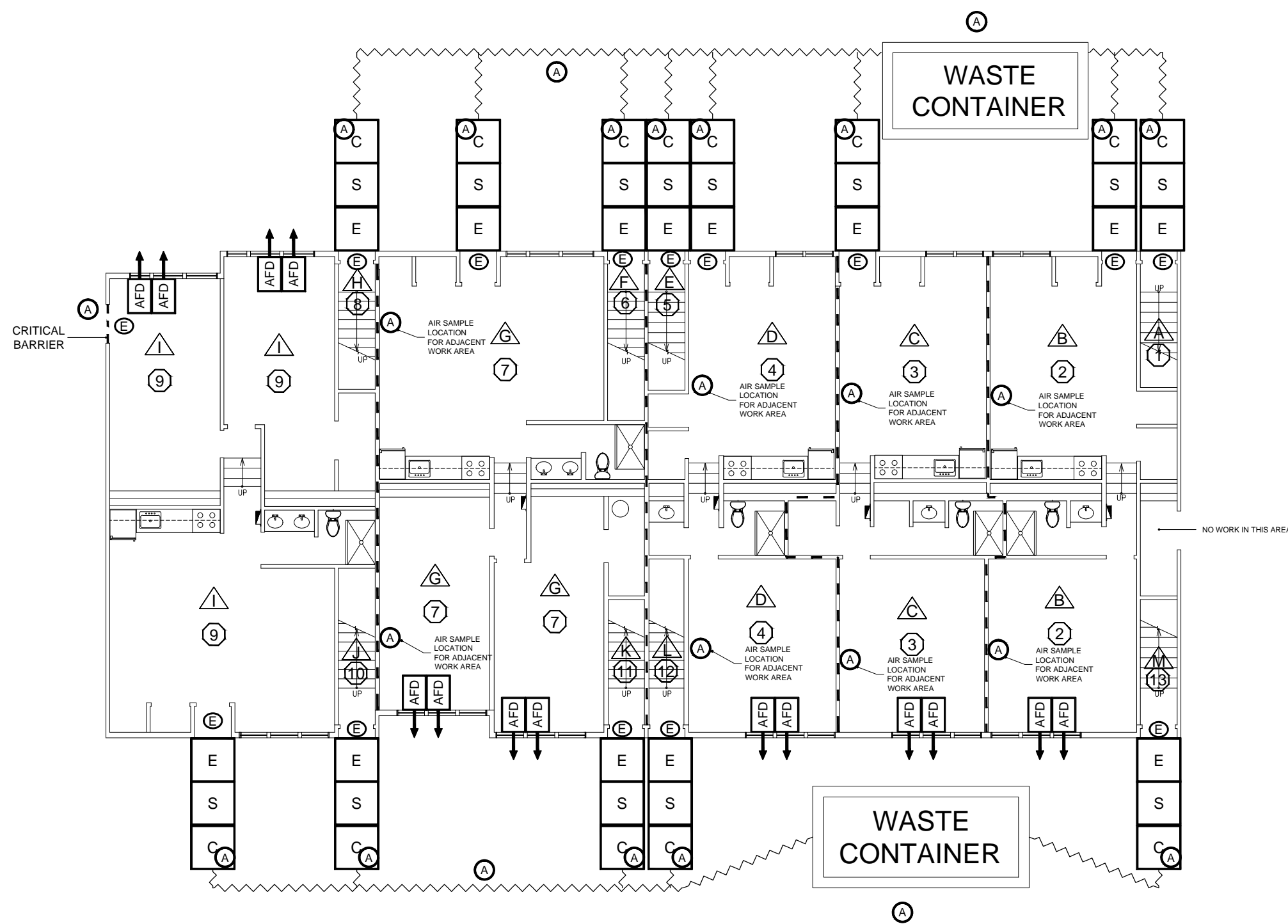
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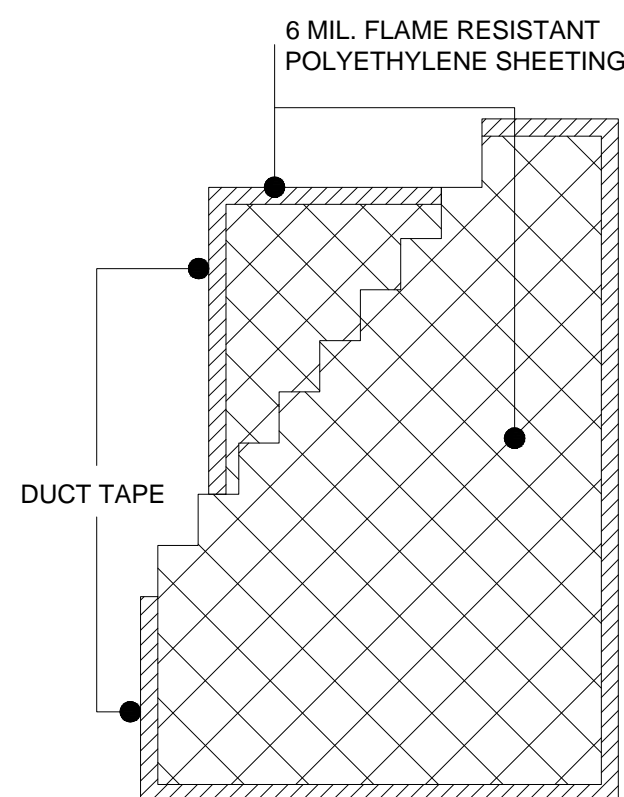
3 SYCAMORE THIRD FLOOR
AA.5 SCALE: 3/32" = 1' - 0"



2 SYCAMORE SECOND FLOOR
AA.5 SCALE: 3/32" = 1' - 0"



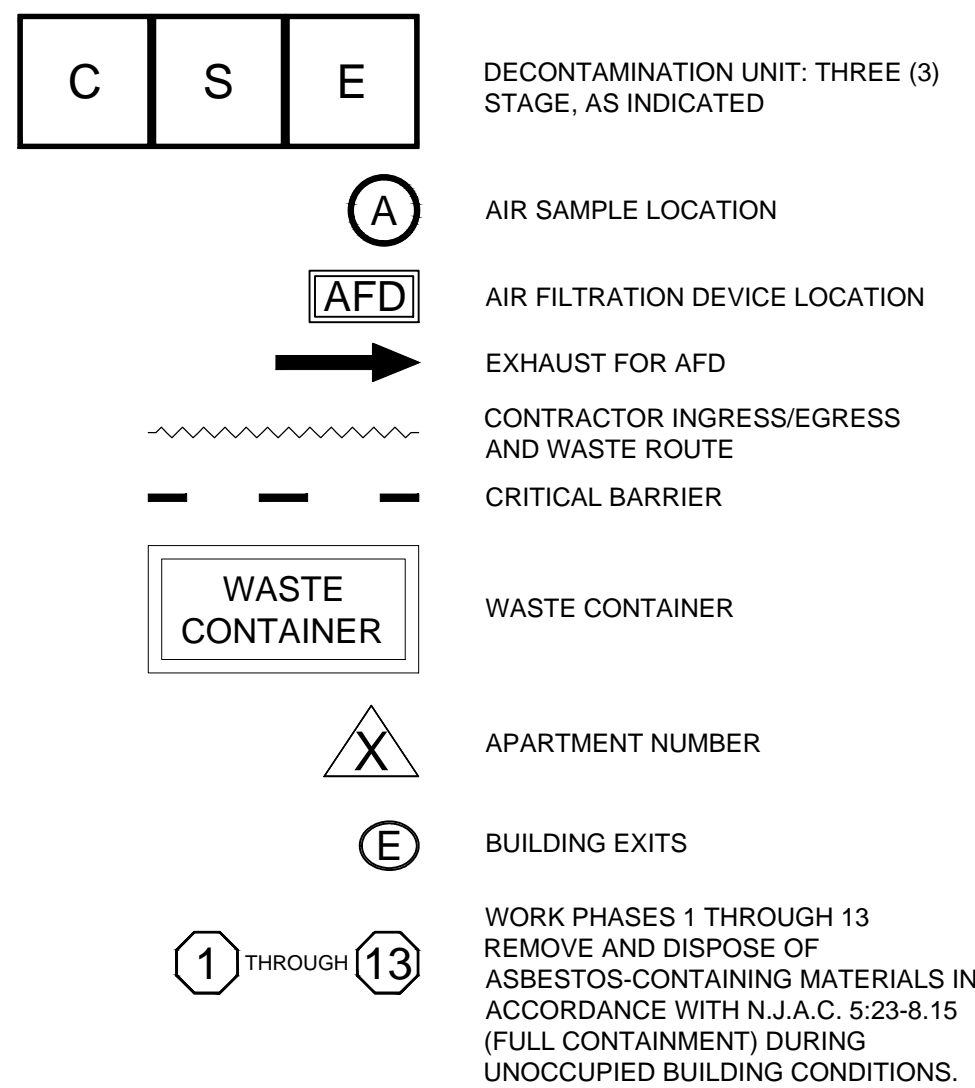
1 SYCAMORE FIRST FLOOR
AA.5 SCALE: 3/32" = 1' - 0"



CRITICAL BARRIERS SHALL BE COMPOSED OF TWO (2) INDEPENDENT LAYERS OF SIX (6) MIL. FLAME RESISTANT POLYETHYLENE SHEETING, AFFIXED TO THE SUBSTRATE EITHER WITH DUCT TAPE OR STAPLED OR FASTENED WITH SPRAY-ON ADHESIVES, GLUE BEADS, OR HORIZONTAL WOOD BATTENS.

4 CRITICAL BARRIER
AA.5 SCALE: N.T.S.

- ABATEMENT LEGEND -



- ABATEMENT NOTES -

1. REMOVE AND DISPOSE OF ALL FIXTURES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, CARPET, DOORS/HARDWARE, COVER PLATES, SURFACE MOUNTED WIRING, LIGHTING FIXTURES, THERMOSTATS, FAN COIL UNITS, SIGNS, MOLDING, TRIM, CABINETS, SINK, FAUCETS, STOVES, REFRIGERATORS, SHELVING, MIRRORS, VANITY, TUB, TOILET, ETC. PERFORM SELECTIVE DEMOLITION THAT DOES NOT IMPACT ASBESTOS-CONTAINING MATERIALS. IF ASBESTOS-CONTAINING MATERIALS MAY BE IMPACTED DURING SELECTIVE DEMOLITION ACTIVITIES, THE ITEMS WHICH MAY IMPACT ACM SHALL REMAIN AND BE REMOVED WITHIN A NEGATIVE PRESSURE ENCLOSURE.
2. ALL EXISTING, IN WALL, ELECTRICAL/IT/COMMUNICATION WIRING, OUTLETS, PLUMBING AND FIRE DETECTION/SUPPRESSION SHALL REMAIN.
3. EXTERIOR AND EXPOSED DECONTAMINATION UNIT(S) SHALL BE SHEATHED WITH ONE-HALF INCH (1/2") PLYWOOD AND A SINGLE LAYER OF SIX (6) MIL. POLYETHYLENE SHEETING SHALL BE AFFIXED TO THE WALLS AND CEILING OF THE DECONTAMINATION UNIT.
4. PRIOR TO ANY PREPARATORY WORK ASSOCIATED WITH N.J.A.C. 5:23-8 AND TO ALLOW FOR THE INSTALLATION OF THE DECONTAMINATION UNIT FOR N.J.A.C. 5:23-8 ABATEMENT WORK, THE CONTRACTOR SHALL REMOVE MULTI-LAYERED ASBESTOS-CONTAINING FLOOR TILE FROM THE ENTRANCES/FOYERS. REMOVAL SHALL BE ACCOMPLISHED VIA NON-FRIABLE METHODS, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
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9. REMOVE ALL INSULATION (PIPE, BATT, BLOWN-IN, ETC.), CERAMIC TILE AND NON-ASBESTOS FINISHES AS ASBESTOS CONTAMINATED WASTE.

- PHASE II, SYCAMORE QUANTITIES -

MATERIALS:	QUANTITY:
DOUBLE LAYER DRYWALL AND JOINT COMPOUND	47,642 SF
RESILIENT FLOOR COVERINGS	1,850 SF
DRYWALL STUD/JOIST ADHESIVE	25,002 LF

Rev #	Date	By

Sheet: 5 of 9

USAEMI
Project Number:
15-020310-02

Scale:
AS NOTED

Date:
04-14-2015

William Weisgarber, Jr., Project Designer
Certificate No. NAEETI 41684

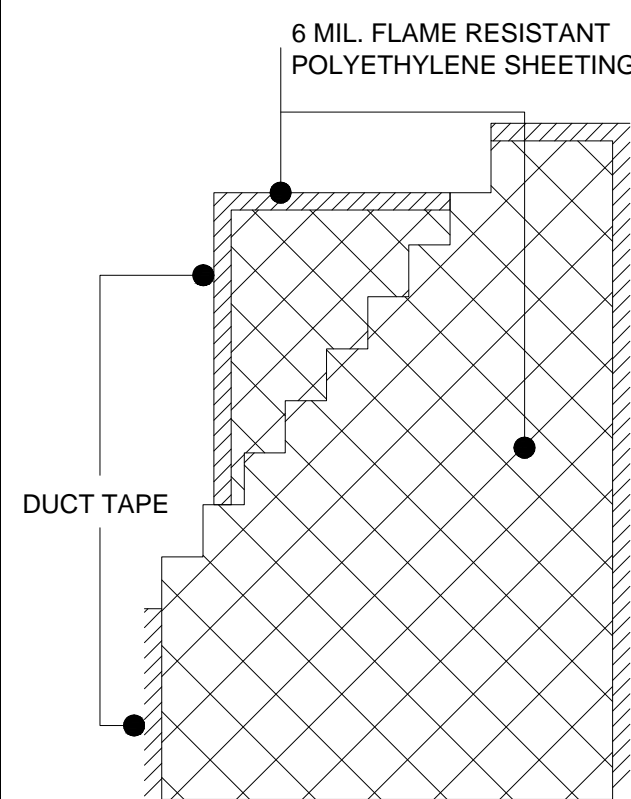
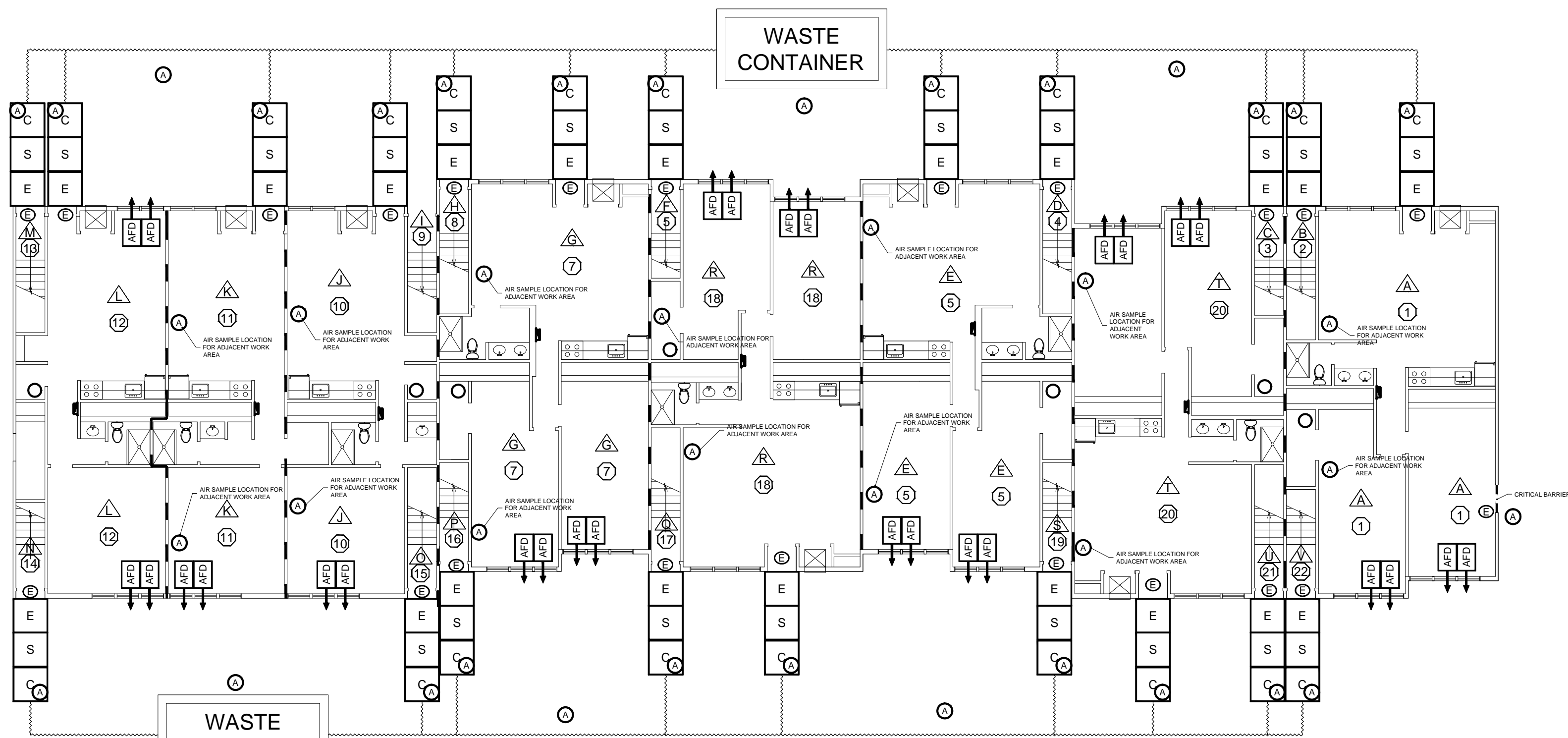
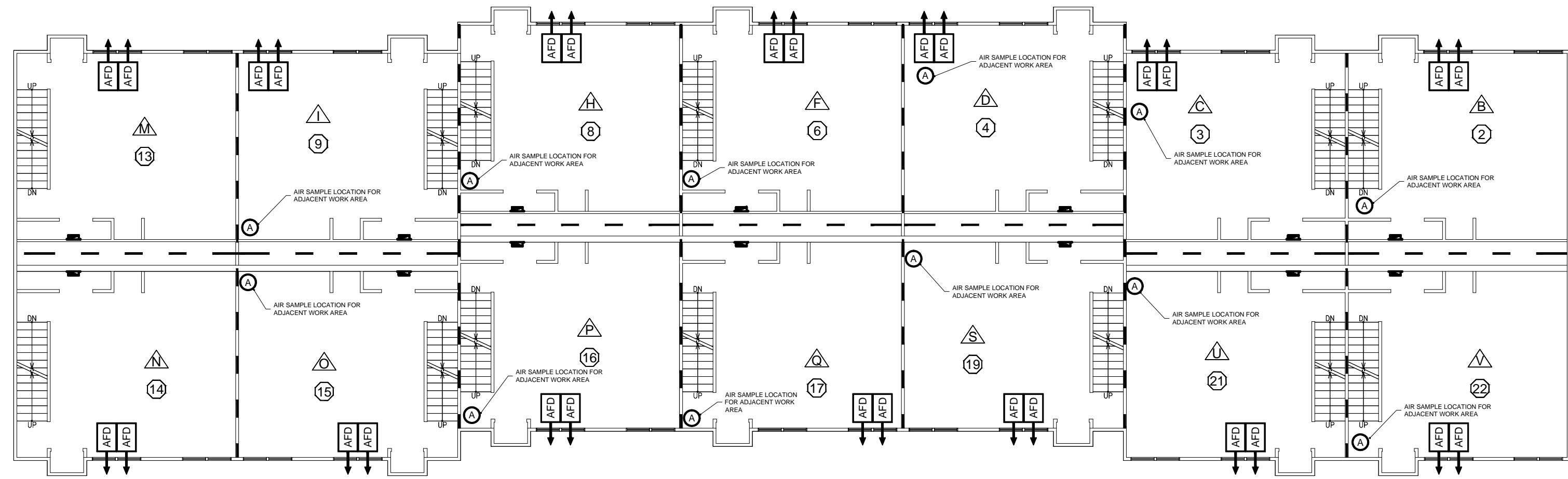
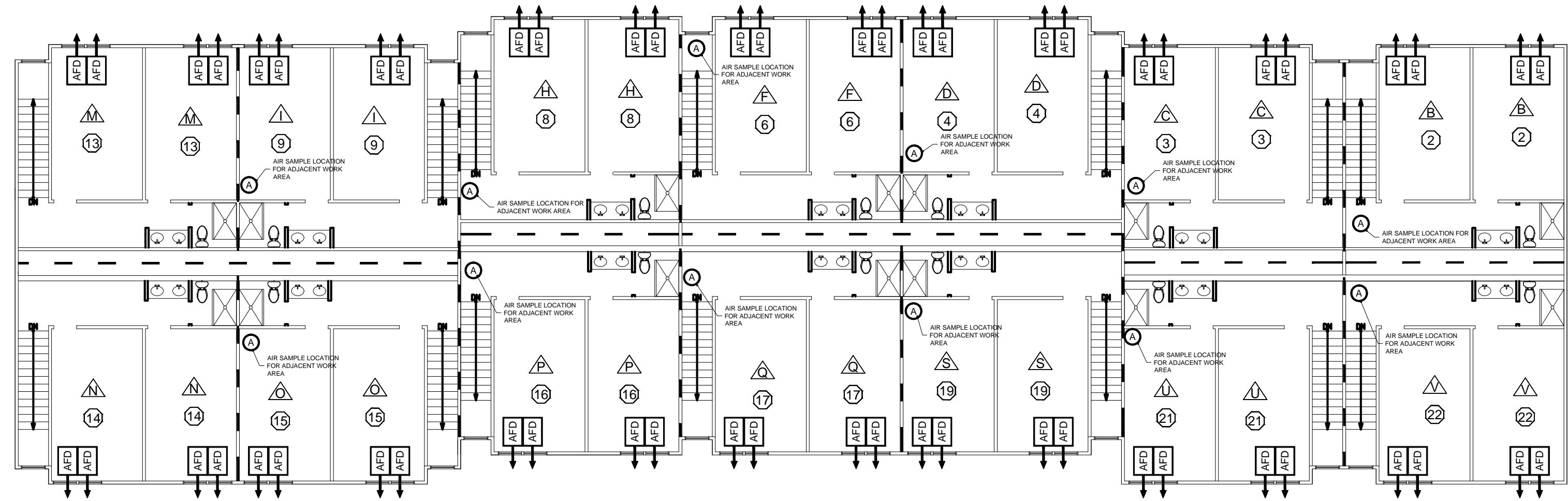
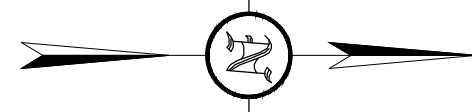
USA Environmental Management, Inc.,
344 West State Street
Trenton, NJ 08618
609.656.8101

Client:
Ramapo College of New Jersey
505 Ramapo Valley Road
Mahwah, New Jersey 07430

Site:
College Park Apartments
Phase II

Drawing Title:
Asbestos Abatement
Plans for Phase II
Sycamore

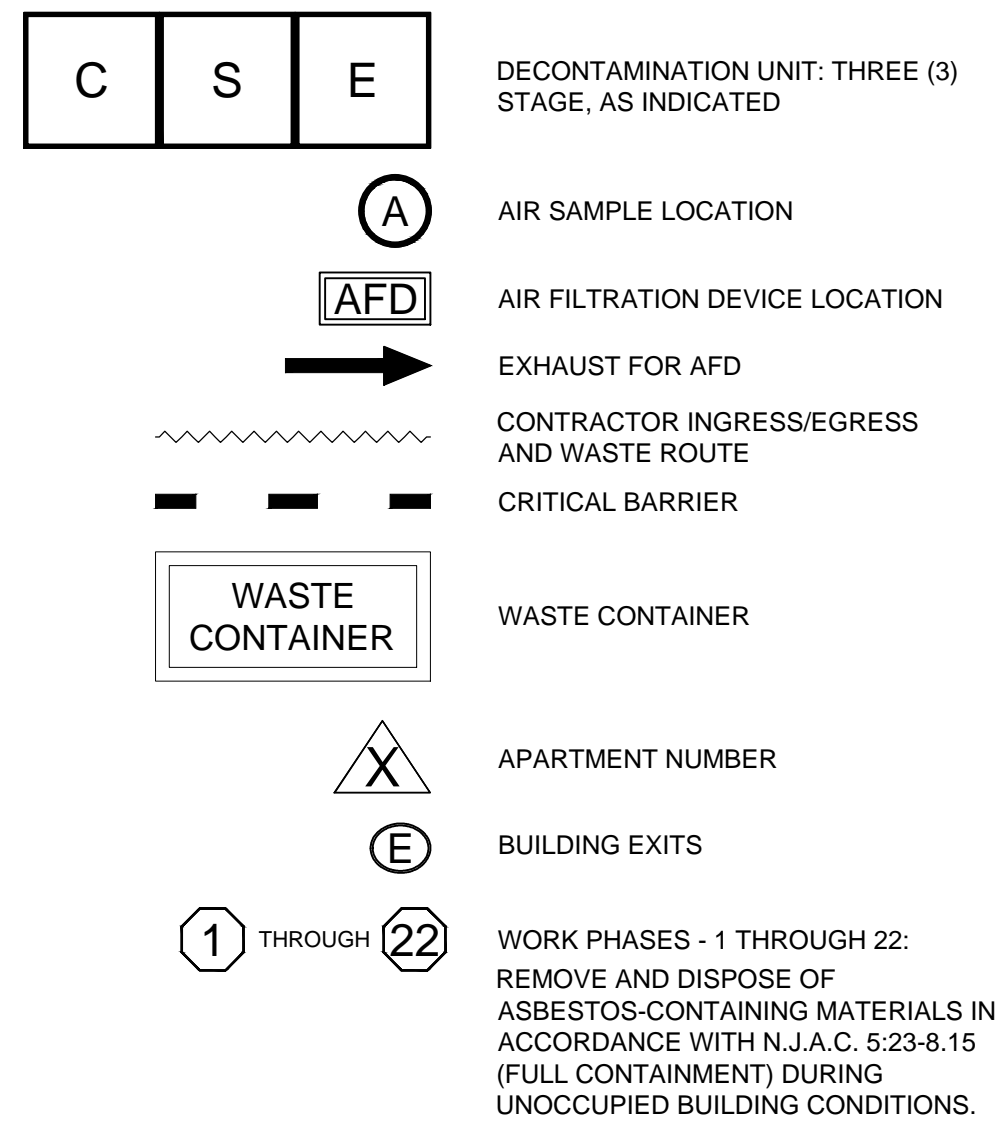
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AA.5



CRITICAL BARRIERS SHALL BE COMPOSED OF TWO (2) INDEPENDENT LAYERS OF SIX (6) MIL. FLAME RESISTANT POLYETHYLENE SHEETING, AFFIXED TO THE SUBSTRATE EITHER WITH DUCT TAPE OR STAPLED OR FASTENED WITH SPRAY-ON ADHESIVES, GLUE BEADS, OR HORIZONTAL WOOD BATTENS.

4 CRITICAL BARRIER
AA.6 SCALE: N.T.S.

- ABATEMENT LEGEND -



- ABATEMENT NOTES -

- REMOVE AND DISPOSE OF ALL FIXTURES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, CARPET, DOORS/HARDWARE, COVER PLATES, SURFACE MOUNTED WIRING, LIGHTING FIXTURES, THERMOSTATS, FAN COIL UNITS, SIGNS, MOLDING, TRIM, CABINETS, SINK, FAUCETS, STOVES, REFRIGERATORS, SHELVING, MIRRORS, VANITY, TUB, TOILET, ETC. PERFORM SELECTIVE DEMOLITION THAT DOES NOT IMPACT ASBESTOS-CONTAINING MATERIALS. IF ASBESTOS-CONTAINING MATERIALS MAY BE IMPACTED DURING SELECTIVE DEMOLITION ACTIVITIES, THE ITEMS WHICH MAY IMPACT ACM SHALL REMAIN AND BE REMOVED WITHIN A NEGATIVE PRESSURE ENCLOSURE.
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- EXTERIOR AND EXPOSED DECONTAMINATION UNIT(S) SHALL BE SHEATHED WITH ONE-HALF INCH (1/2") PLYWOOD AND A SINGLE LAYER OF SIX (6) MIL POLYETHYLENE SHEETING SHALL BE AFFIXED TO THE WALLS AND CEILING OF THE DECONTAMINATION UNIT.
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- REMOVE ALL INSULATION (PIPE, BATT, BLOWN-IN, ETC.), CERAMIC TILE AND NON-ASBESTOS FINISHES AS ASBESTOS CONTAMINATED WASTE.

- PHASE II, CYPRESS QUANTITIES -

MATERIALS:	QUANTITY:
DOUBLE LAYER DRYWALL AND JOINT COMPOUND	73,779 SF
RESILIENT FLOOR COVERINGS	5,907 SF
DRYWALL STUD/JOIST ADHESIVE	36,846 LF

Rev #	Date	By

William Weisgarber, Jr., Project Designer
Certificate No. NAETI 38135

USA Environmental Management, Inc.,
344 West State Street
Trenton, NJ 08618
609.656.8101

Client: Ramapo College of New Jersey
505 Ramapo Valley Road
Mahwah, New Jersey 07430

Site: Ramapo College of New Jersey
College Park Apartments, Cypress House
505 Ramapo Valley Road
Mahwah, New Jersey 07430

Drawing Title
Asbestos Abatement
Plans for Phase II
Cypress

Drawing No.
AA.6

Sheet: 6 of 9

USAEML
Project Number:
15-020310-02

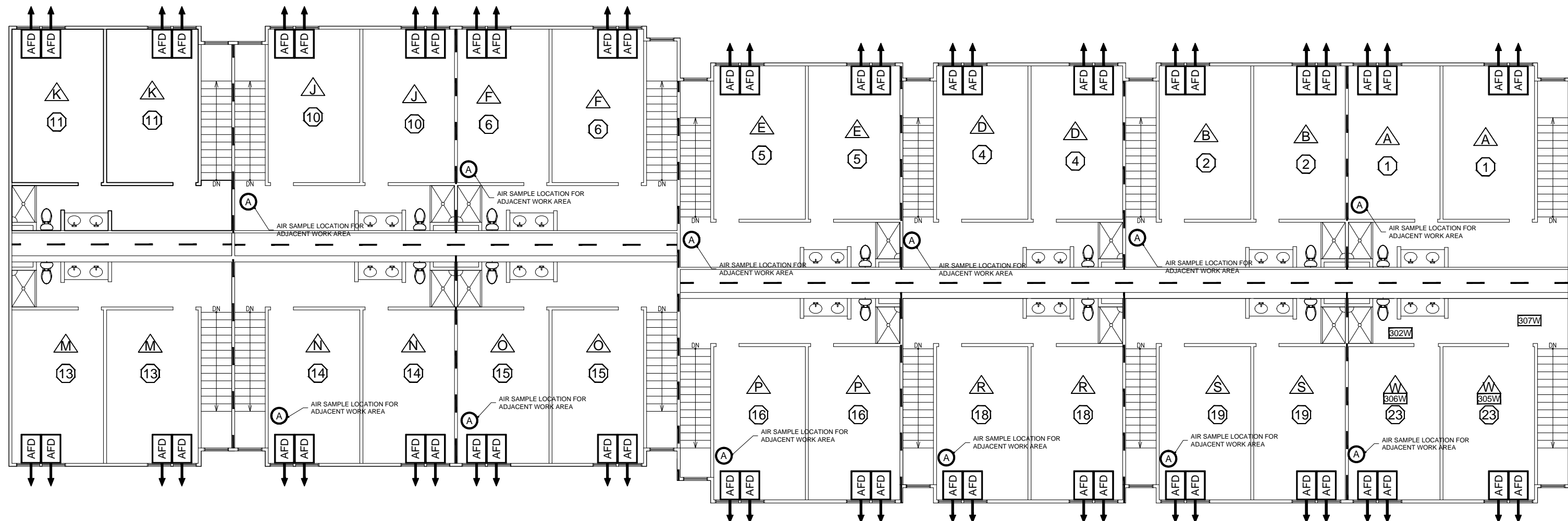
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Date:
04-14-2015

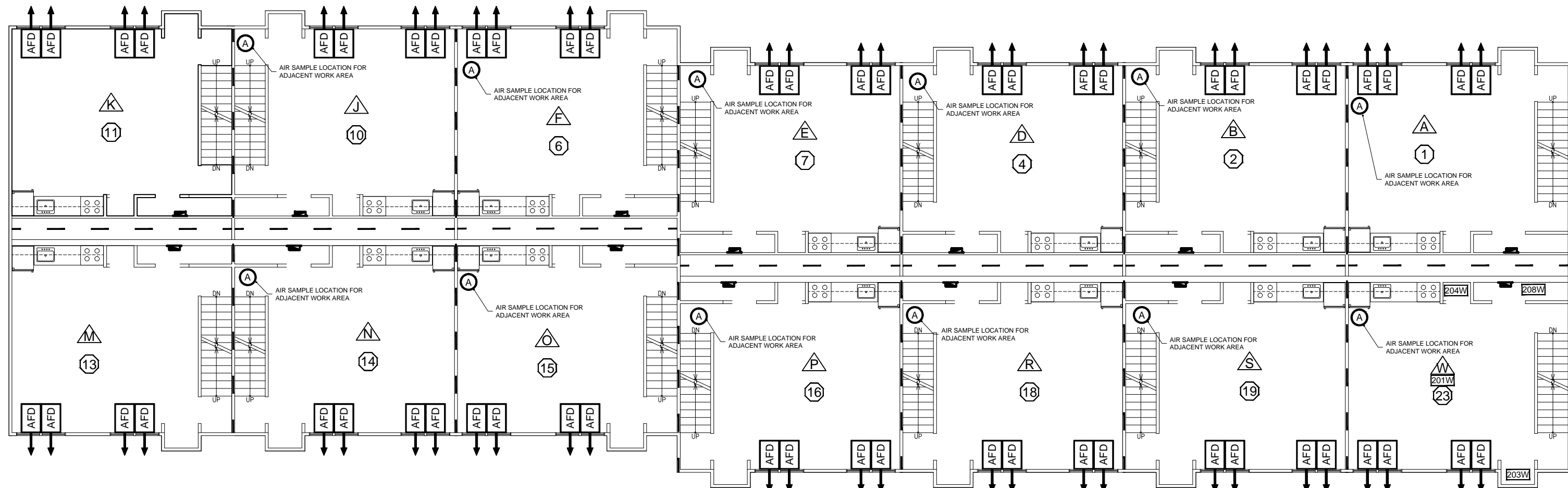
Drawn by:
W.K.M.

Checked by:
W.W.J.

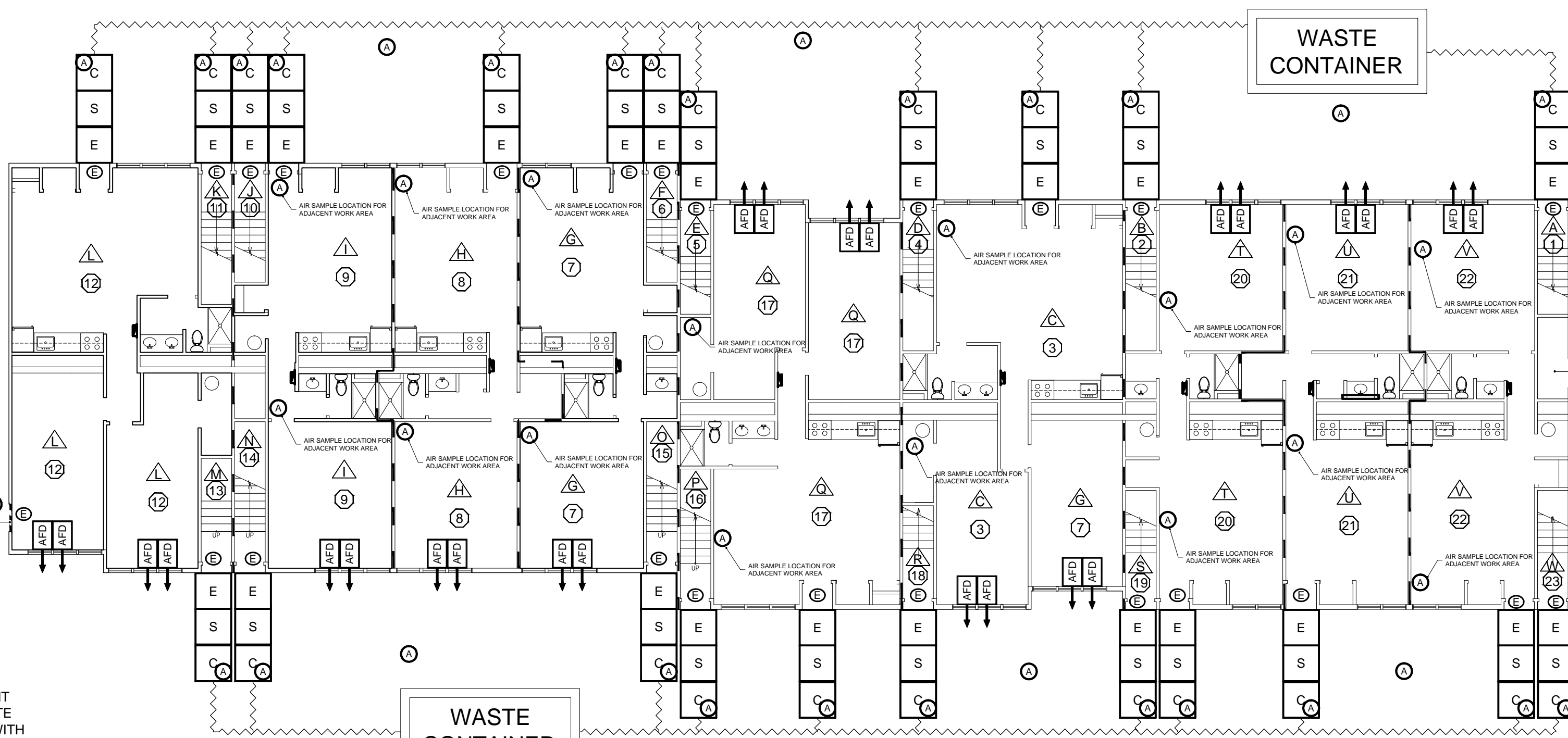
Environmental, Engineering & Construction



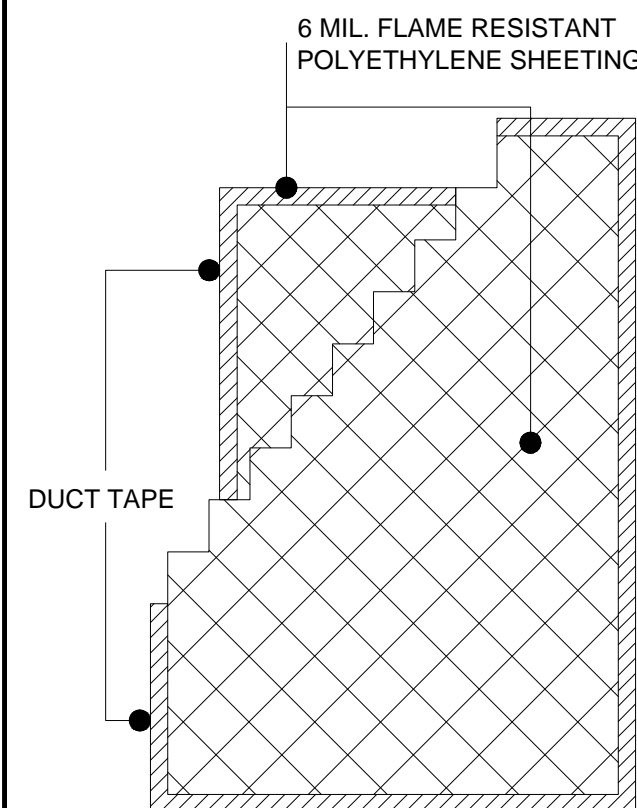
3 TAMARACK THIRD FLOOR
AA.7 SCALE: 3/32" = 1' - 0"



2 TAMARACK SECOND FLOOR
AA.7 SCALE: 3/32" = 1' - 0"



1 TAMARACK FIRST FLOOR
AA.7 SCALE: 3/32" = 1' - 0"



CRITICAL BARRIERS SHALL BE COMPOSED OF TWO (2) INDEPENDENT LAYERS OF SIX (6) MIL. FLAME RESISTANT POLYETHYLENE SHEETING, AFFIXED TO THE SUBSTRATE EITHER WITH DUCT TAPE OR STAPLED OR FASTENED WITH SPRAY-ON ADHESIVES. GLUE BEADS, OR HORIZONTAL WOOD BATTENS.

4 CRITICAL BARRIER
AA.7 SCALE: N.T.S.

- ABATEMENT LEGEND -

- | | | |
|---|---|---|
| C | S | E |
|---|---|---|
- DECONTAMINATION UNIT: THREE (3) STAGE, AS INDICATED
- AIR SAMPLE LOCATION
- AIR FILTRATION DEVICE LOCATION
- EXHAUST FOR AFD
- CONTRACTOR INGRESS/EGRESS AND WASTE ROUTE
- CRITICAL BARRIER
- WASTE CONTAINER
- WASTE CONTAINER
- APARTMENT NUMBER
- BUILDING EXITS
- WORK PHASES 1 THROUGH 23:
REMOVE AND DISPOSE OF ASBESTOS-CONTAINING MATERIALS IN ACCORDANCE WITH N.J.A.C. 5:23-8.15 (FULL CONTAINMENT) DURING UNOCCUPIED BUILDING CONDITIONS.

- ABATEMENT NOTES -

- REMOVE AND DISPOSE OF ALL FIXTURES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, CARPET, DOORS/HARDWARE, COVER PLATES, SURFACE MOUNTED WIRING, LIGHTING FIXTURES, THERMOSTATS, FAN COIL UNITS, SIGNS, MOLDING, TRIM, CABINETS, SINK, FAUCETS, STOVES, REFRIGERATORS, SHELVING, MIRRORS, VANITY, TUB, TOILET, ETC. PERFORM SELECTIVE DEMOLITION THAT DOES NOT IMPACT ASBESTOS-CONTAINING MATERIALS. IF ASBESTOS-CONTAINING MATERIALS MAY BE IMPACTED DURING SELECTIVE DEMOLITION ACTIVITIES, THE ITEMS WHICH MAY IMPACT ACM SHALL REMAIN AND BE REMOVED WITHIN A NEGATIVE PRESSURE ENCLOSURE.
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- EXTERIOR AND EXPOSED DECONTAMINATION UNIT(S) SHALL BE SHEATHED WITH ONE-HALF INCH (1/2") PLYWOOD AND A SINGLE LAYER OF SIX (6) MIL. POLYETHYLENE SHEETING SHALL BE AFFIXED TO THE WALLS AND CEILING OF THE DECONTAMINATION UNIT.
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- REMOVE ALL INSULATION (PIPE, BATT, BLOWN-IN, ETC.), CERAMIC TILE AND NON-ASBESTOS FINISHES AS ASBESTOS CONTAMINATED WASTE.

- PHASE II, TAMARACK QUANTITIES -

MATERIALS:	QUANTITY:
DOUBLE LAYER DRYWALL AND JOINT COMPOUND	87,912 SF
RESILIENT FLOOR COVERINGS	3,614 SF
DRYWALL STUD/JOIST ADHESIVE	46,620 LF

Rev #	Date	By

USAEMI
Project Number: 15-020310-02

Scale: AS NOTED
Date: 04-14-2015
Checked by: W.W.J.
Drawn by: W.K.M.

William Weisgarber, Jr., Project Designer
Certificate No. NAEETI 38135

USA Environmental Management, Inc.,
344 West State Street
Trenton, NJ 08618
609.656.8101

Environmental, Engineering & Construction

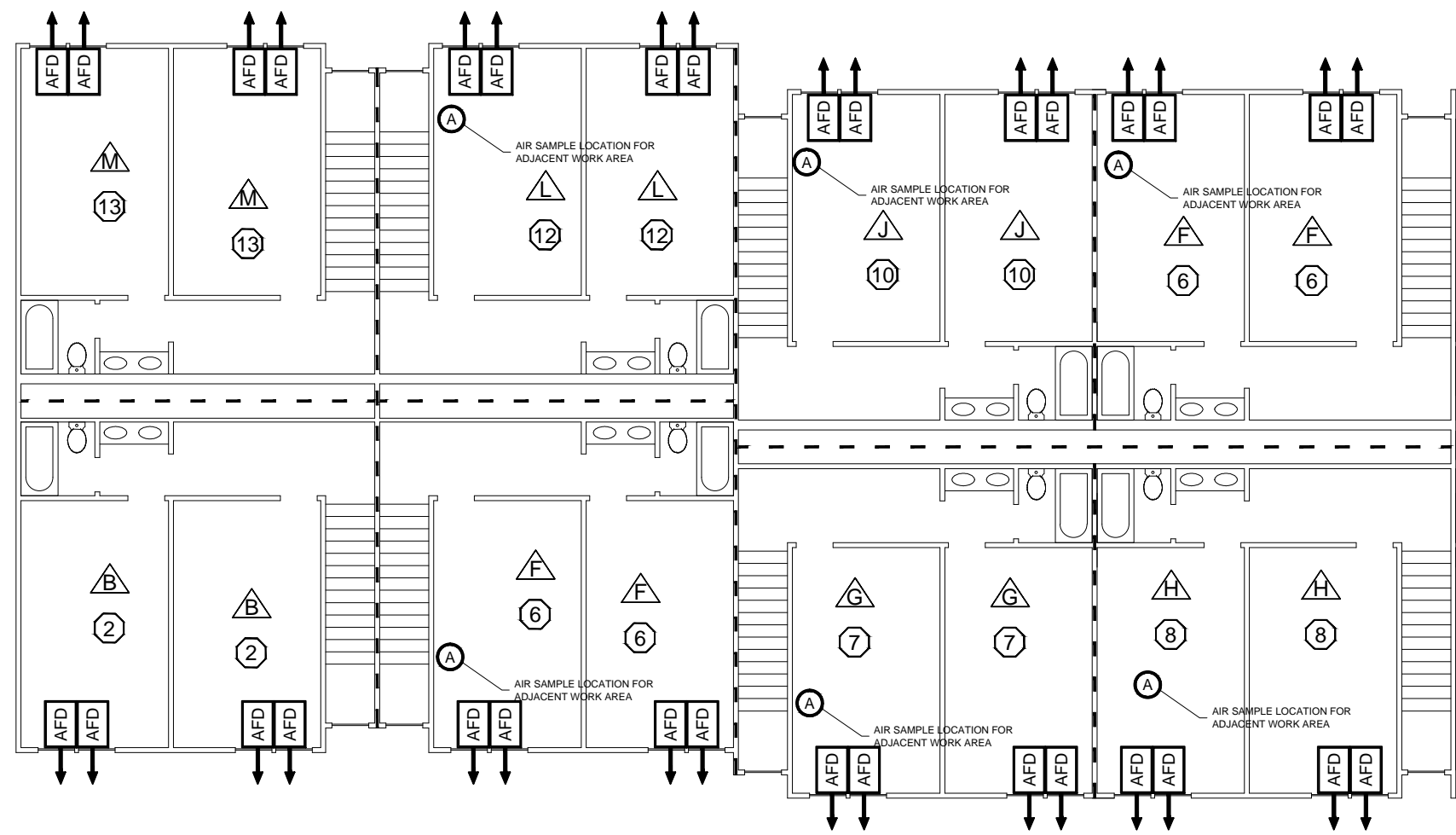
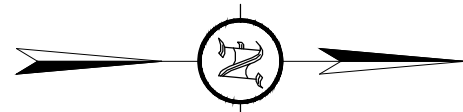
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505 Ramapo Valley Road
Mahwah, New Jersey 07430

Site: College Park Apartments
Phase II

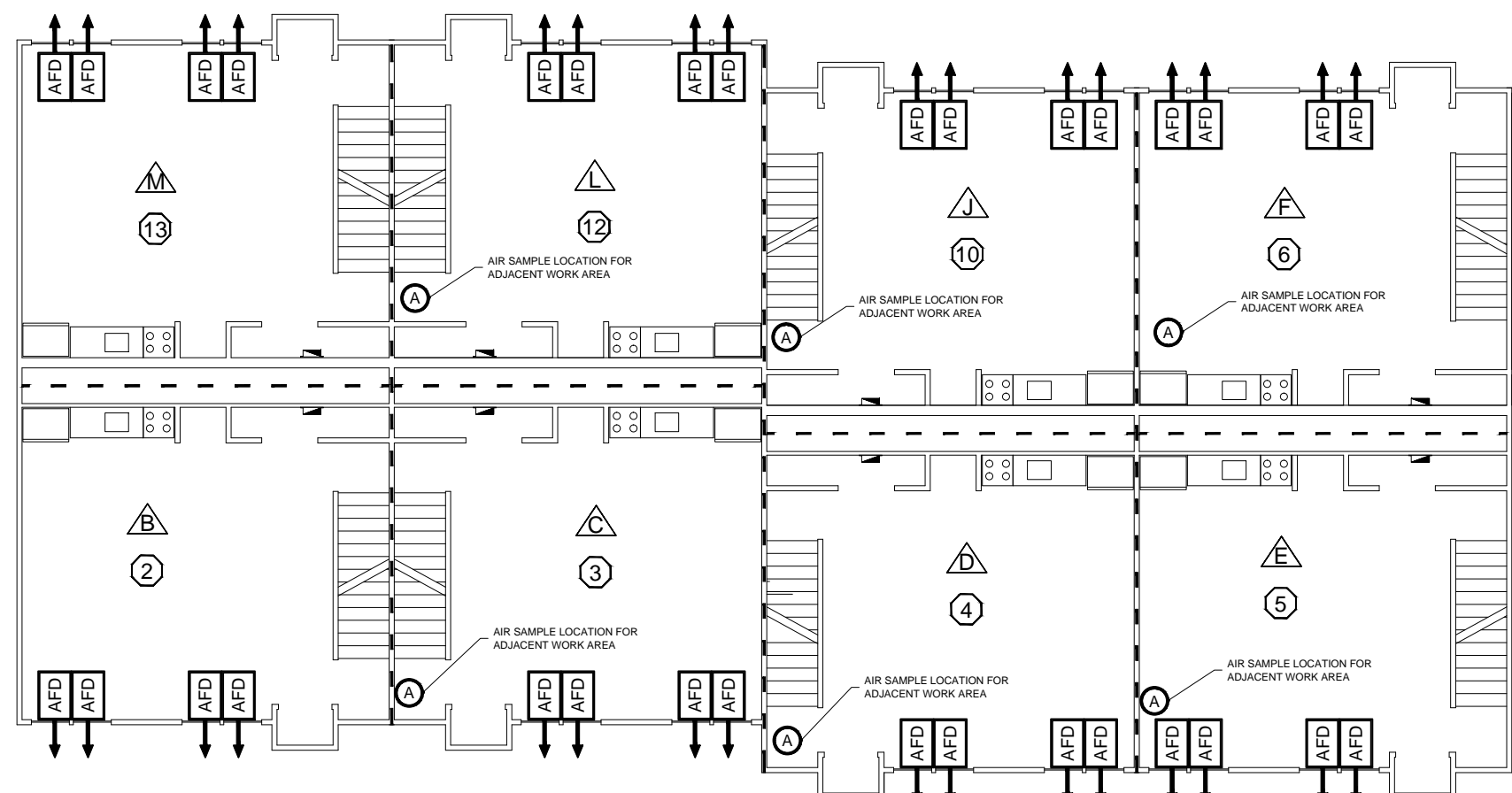
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Plans for Phase II
Tamarack

Drawing No.: AA.7

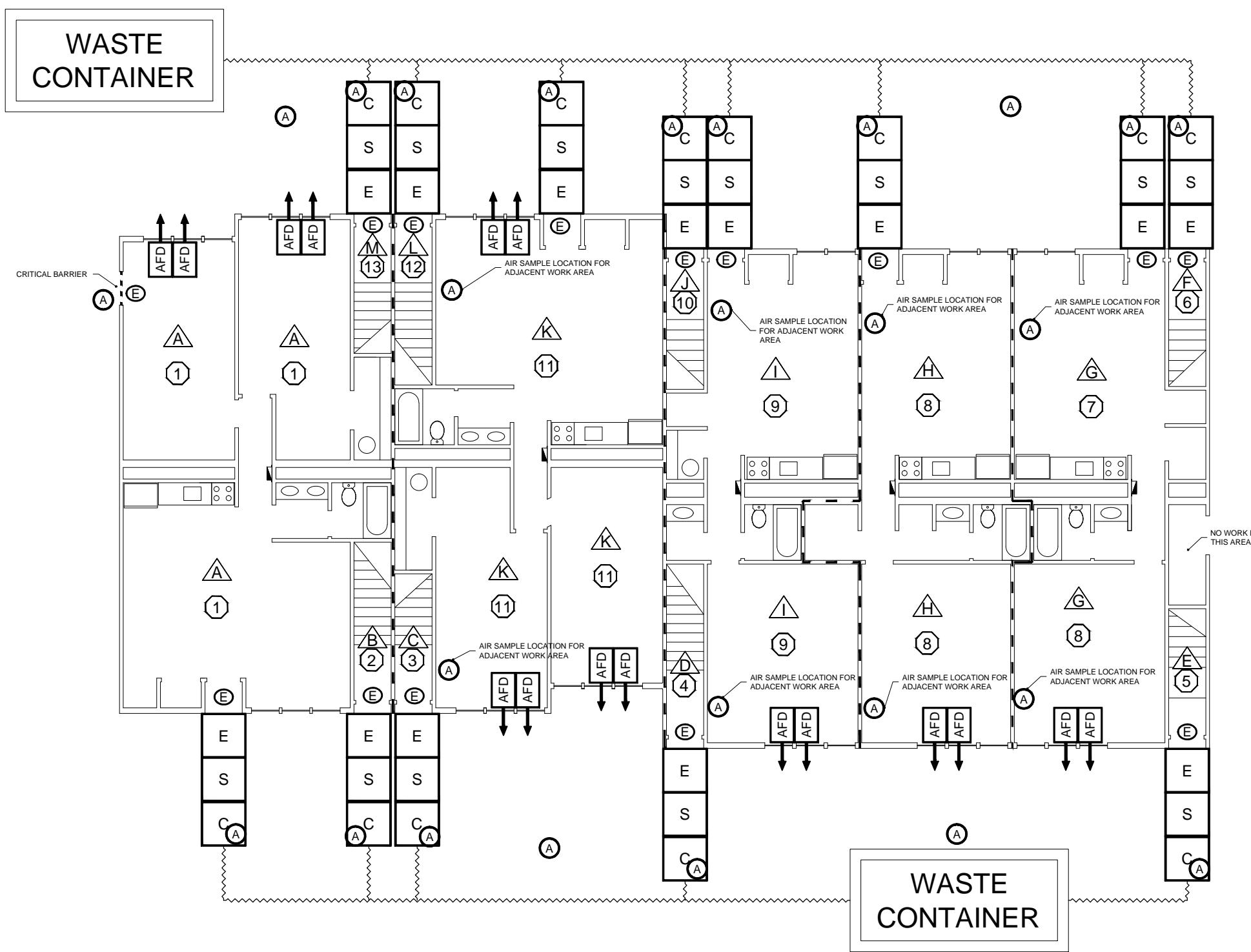
Sheet: 7 of 9



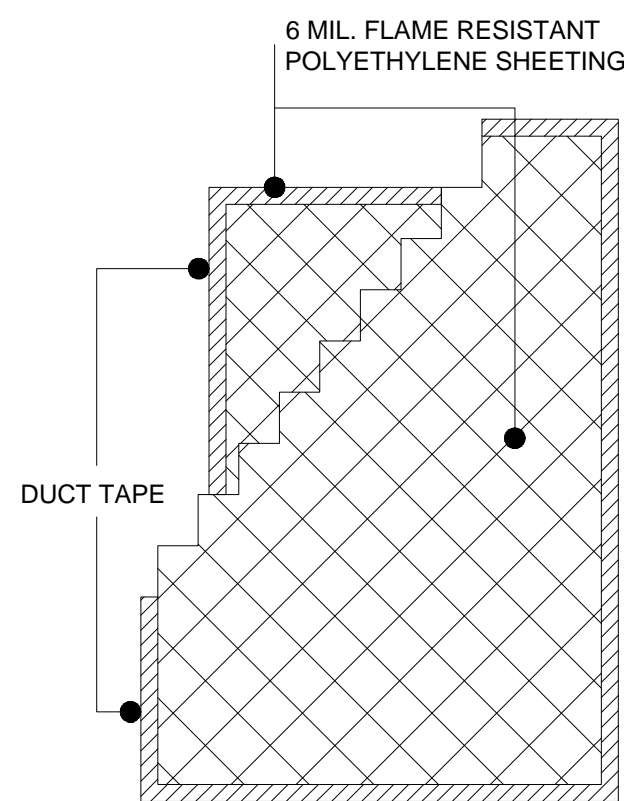
3 MULBERRY THIRD FLOOR
AA.8 SCALE: 3/32" = 1' - 0"



2 MULBERRY SECOND FLOOR
AA.8 SCALE: 3/32" = 1' - 0"



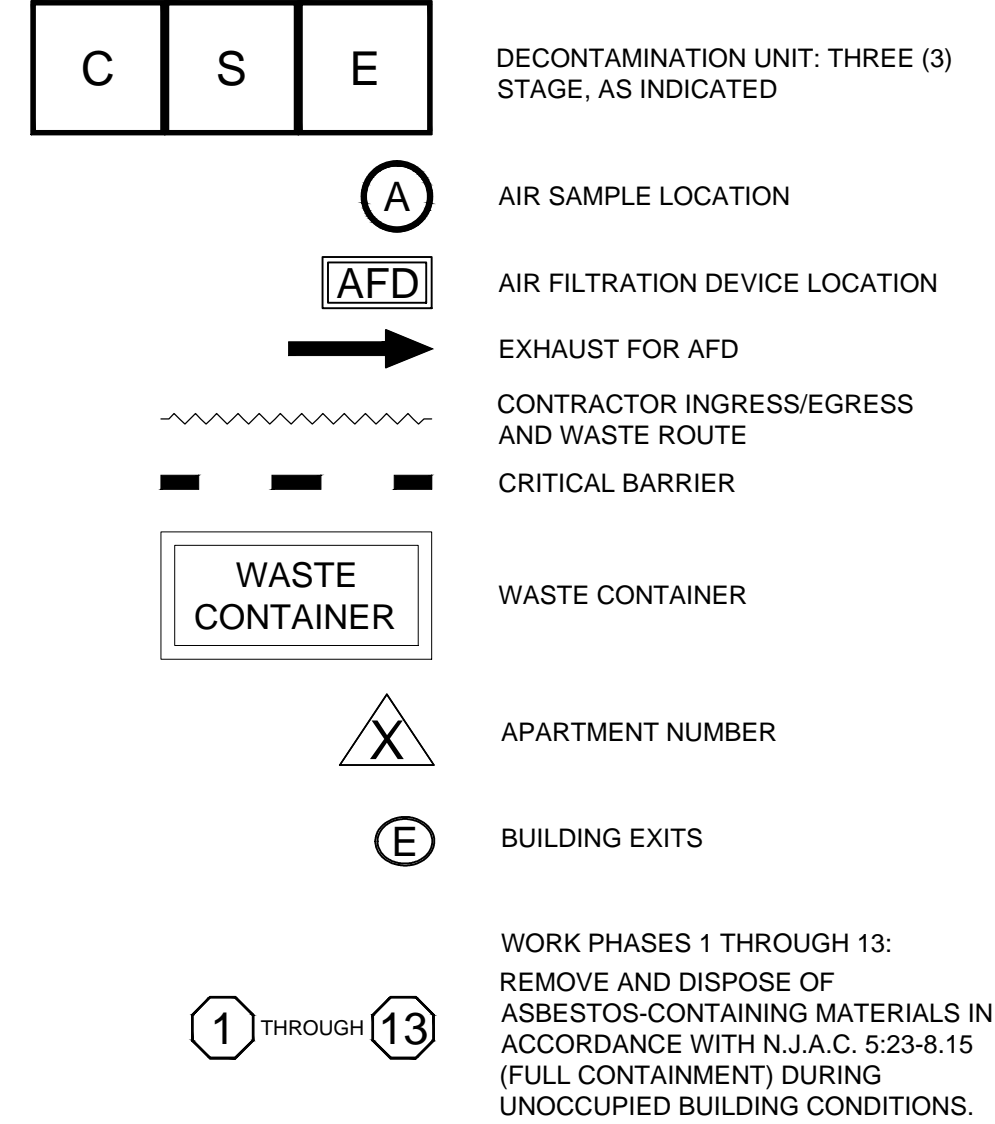
1 MULBERRY FIRST FLOOR
AA.8 SCALE: 3/32" = 1' - 0"



CRITICAL BARRIERS SHALL BE COMPOSED OF TWO (2) INDEPENDENT LAYERS OF SIX (6) MIL. FLAME RESISTANT POLYETHYLENE SHEETING, AFFIXED TO THE SUBSTRATE EITHER WITH DUCT TAPE OR STAPLED OR FASTENED WITH SPRAY-ON ADHESIVES, GLUE BEADS, OR HORIZONTAL WOOD BATTENS.

4 CRITICAL BARRIER
AA.8 SCALE: N.T.S.

- ABATEMENT LEGEND -



- ABATEMENT NOTES -

1. REMOVE AND DISPOSE OF ALL FIXTURES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, CARPET, DOORS/HARDWARE, COVER PLATES, SURFACE MOUNTED WIRING, LIGHTING FIXTURES, THERMOSTATS, FAN COIL UNITS, SIGNS, MOLDING, TRIM, CABINETS, SINK, FAUCETS, STOVES, REFRIGERATORS, SHELIVING, MIRRORS, VANITY, TUB, TOILET, ETC. PERFORM SELECTIVE DEMOLITION THAT DOES NOT IMPACT ASBESTOS-CONTAINING MATERIALS. IF ASBESTOS-CONTAINING MATERIALS MAY BE IMPACTED DURING SELECTIVE DEMOLITION ACTIVITIES, THE ITEMS WHICH MAY IMPACT ACM SHALL REMAIN AND BE REMOVED WITHIN A NEGATIVE PRESSURE ENCLOSURE.
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6. REMOVE AND DISPOSE OF ALL LAYERS OF ASBESTOS-CONTAINING RESILIENT FLOOR COVERINGS (FLOOR TILE AND LINOLEUM).
7. REMOVE AND DISPOSE OF ALL LAYERS OF CARPET, PADDING, TACK STRIPS AS CONSTRUCTION DEBRIS. RESILIENT FLOOR COVERINGS (FLOOR TILE) WHICH ADHERE TO CARPET SHALL BE DISPOSED OF AS ASBESTOS WASTE.
8. REMOVE ASBESTOS-CONTAINING DOUBLE LAYER DRYWALL AND ASSOCIATED JOINT COMPOUND FROM ALL ACCESSIBLE LOCATIONS, INCLUDING, BUT NOT LIMITED TO, WALLS, CEILINGS, SOFFITS, ETC. REMOVE ALL FASTENERS (STAPLES, SCREWS, NAILS, ETC.), GLUE AND ADHESIVES FLUSH WITH STUDS/JOISTS. DRYWALL WHICH IS INACCESSIBLE AND REQUIRES ANY REMOVAL OF EXISTING WOOD STRUCTURAL COMPONENTS SHALL BE SCORED FLUSH WITH THE ADJOINING SURFACES AND THE EXPOSED EDGES SHALL BE ENCAPSULATED.
9. REMOVE ALL INSULATION (PIPE, BATT, BLOWN-IN, ETC.), CERAMIC TILE AND NON-ASBESTOS FINISHES AS ASBESTOS CONTAMINATED WASTE.

- PHASE II, MULBERRY QUANTITIES -

MATERIALS:	QUANTITY:
DOUBLE LAYER DRYWALL AND JOINT COMPOUND	53,142 SF
RESILIENT FLOOR COVERINGS	2,982 SF
DRYWALL STUD/JOIST ADHESIVE	29,376 LF

Rev #	Date	By

USAEMI
Project Number:
15-020310-02

Scale:
AS NOTED

Date:
04-14-2015

William Weisgarber, Jr., Project Designer
Certificate No. NAETI 38135

USA Environmental Management, Inc.,
344 West State Street
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Client:
Ramapo College of New Jersey
505 Ramapo Valley Road
Mahwah, New Jersey 07430

Site:
College Park Apartments
Phase II

Asbestos Abatement
Plans for Phase II
Mulberry

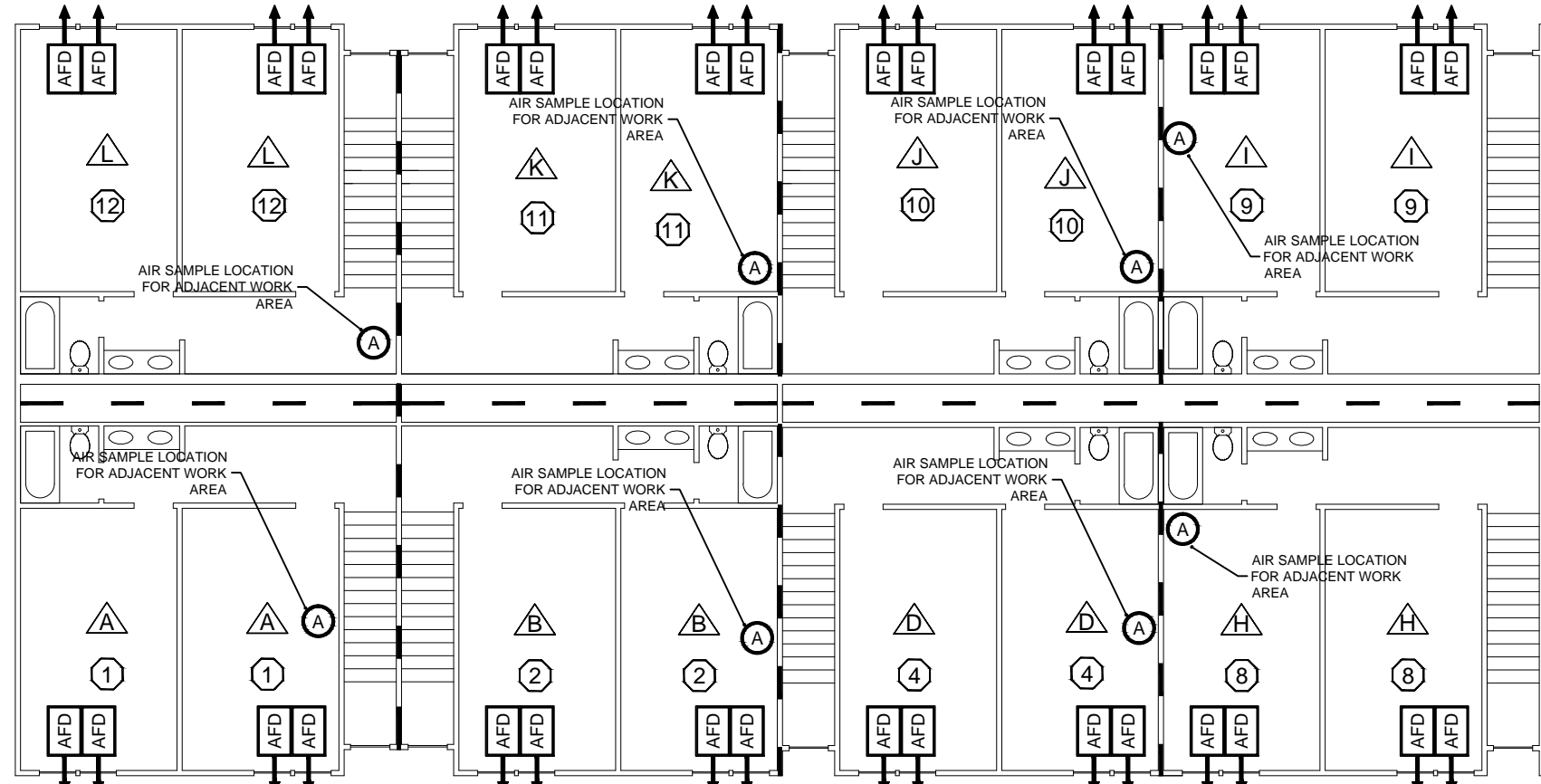
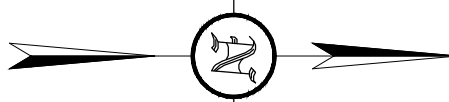
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AA.8

Sheet: 8 of 9

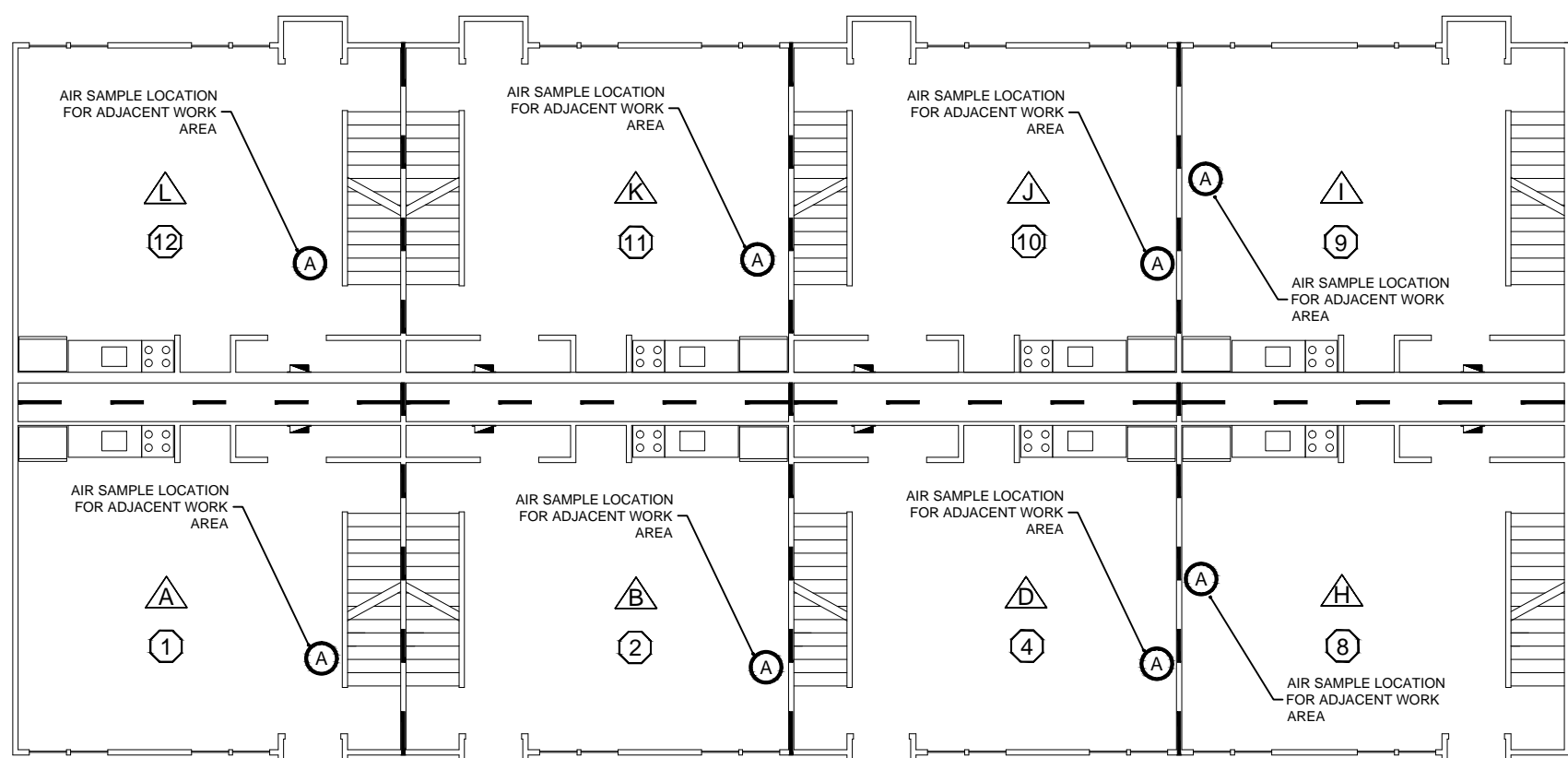
USA
Environmental
Engineering & Construction

Drawn by:
W.K.M.

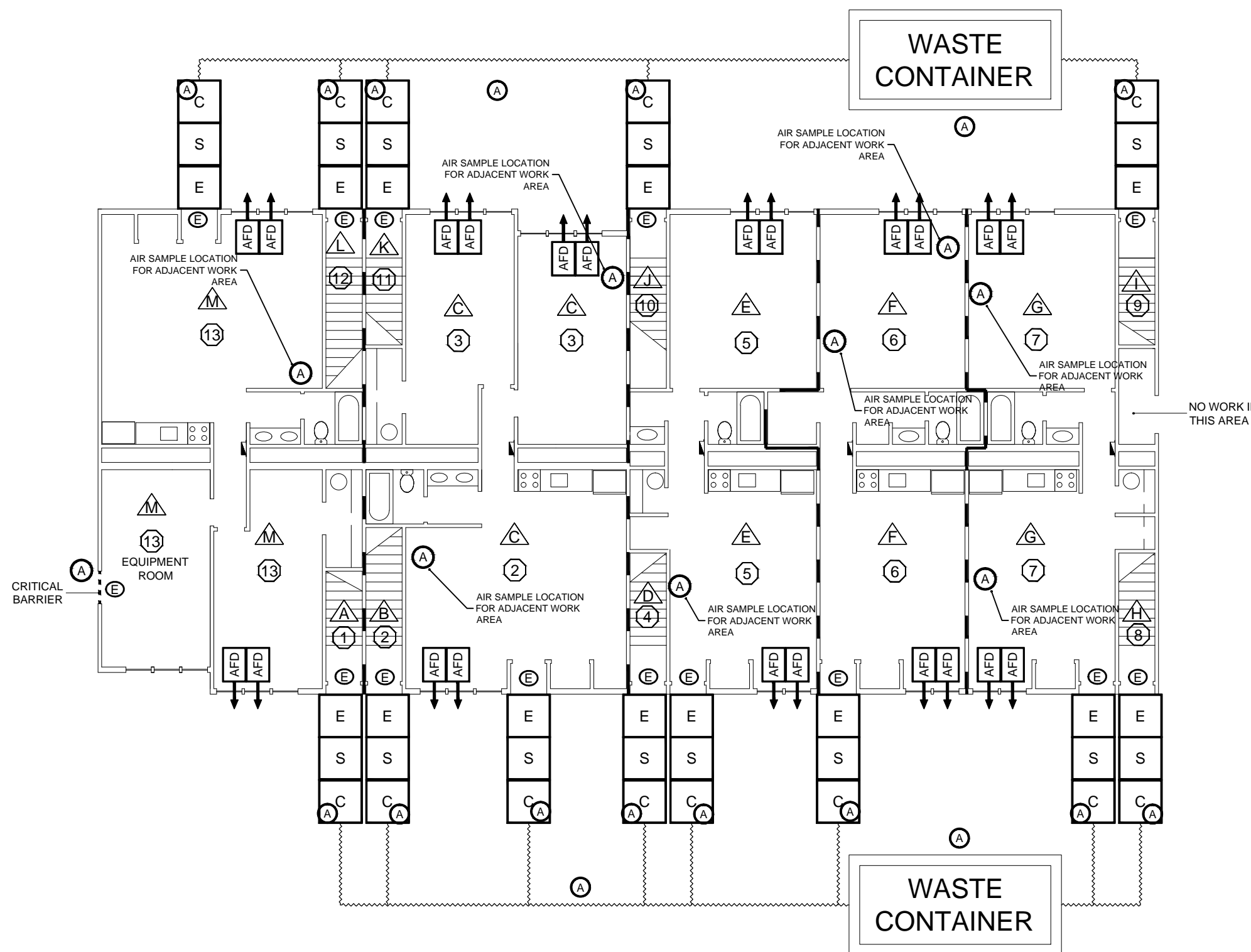
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W.W.J.



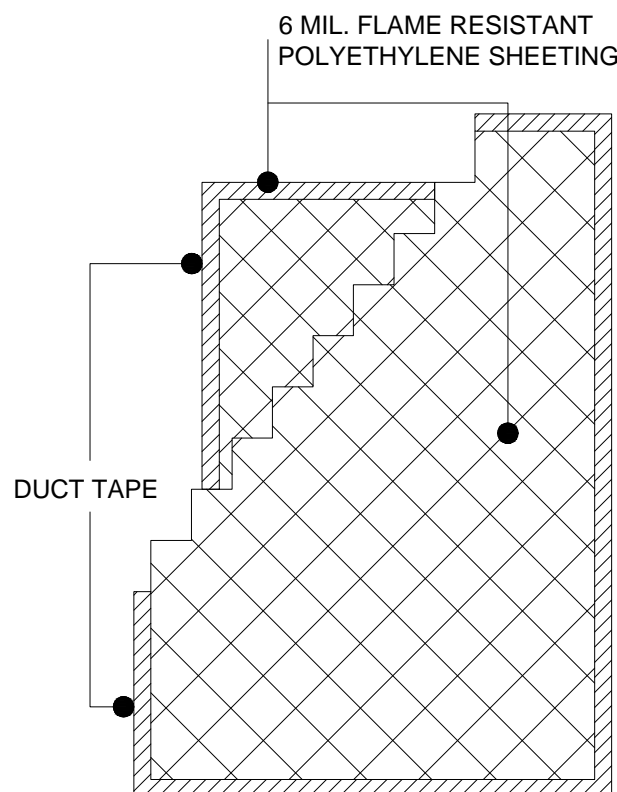
3 BUTTERNUT THIRD FLOOR
AA.9 SCALE: 3/32" = 1' - 0"



2 BUTTERNUT SECOND FLOOR
AA.9 SCALE: 3/32" = 1' - 0"



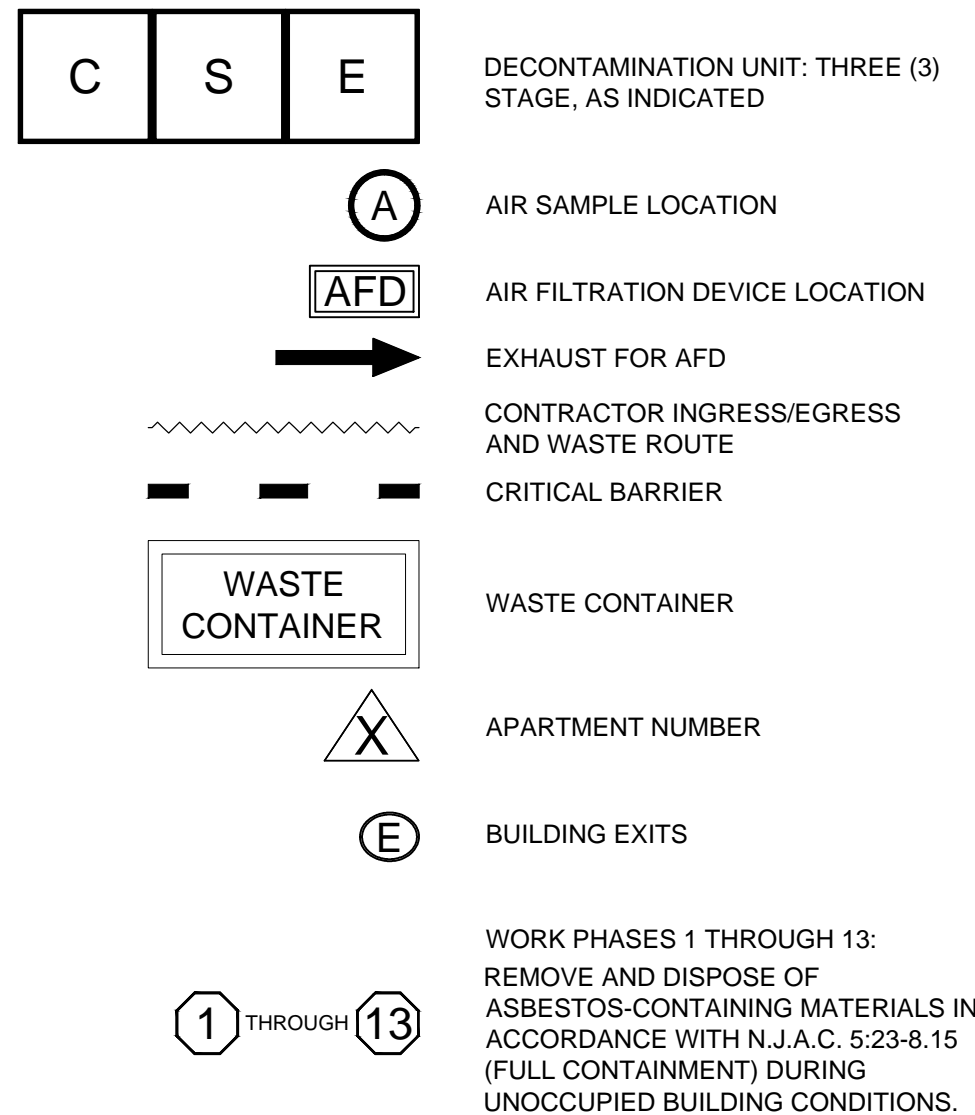
1 BUTTERNUT FIRST FLOOR
AA.9 SCALE: 3/32" = 1' - 0"



CRITICAL BARRIERS SHALL BE COMPOSED OF TWO (2) INDEPENDENT LAYERS OF SIX (6) MIL. FLAME RESISTANT POLYETHYLENE SHEETING, AFFIXED TO THE SUBSTRATE EITHER WITH DUCT TAPE OR STAPLED OR FASTENED WITH SPRAY-ON ADHESIVES, GLUE BEADS, OR HORIZONTAL WOOD BATTENS.

4 CRITICAL BARRIER
AA.9 SCALE: N.T.S.

- ABATEMENT LEGEND -



- ABATEMENT NOTES -

1. REMOVE AND DISPOSE OF ALL FIXTURES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, CARPET, DOORS/HARDWARE, COVER PLATES, SURFACE MOUNTED WIRING, LIGHTING FIXTURES, THERMOSTATS, FAN COIL UNITS, SIGNS, MOLDING, TRIM, CABINETS, SINK, FAUCETS, STOVES, REFRIGERATORS, SHELVING, MIRRORS, VANITY, TUB, TOILET, ETC. PERFORM SELECTIVE DEMOLITION THAT DOES NOT IMPACT ASBESTOS-CONTAINING MATERIALS. IF ASBESTOS-CONTAINING MATERIALS MAY BE IMPACTED DURING SELECTIVE DEMOLITION ACTIVITIES, THE ITEMS WHICH MAY IMPACT ACM SHALL REMAIN AND BE REMOVED WITHIN A NEGATIVE PRESSURE ENCLOSURE.
2. ALL EXISTING, IN WALL, ELECTRICAL/IT/COMMUNICATION WIRING, OUTLETS, PLUMBING AND FIRE DETECTION/SUPPRESSION SHALL REMAIN.
3. EXTERIOR AND EXPOSED DECONTAMINATION UNIT(S) SHALL BE SHEATHED WITH ONE-HALF INCH (1/2") PLYWOOD AND A SINGLE LAYER OF SIX (6) MIL. POLYETHYLENE SHEETING SHALL BE AFFIXED TO THE WALLS AND CEILING OF THE DECONTAMINATION UNIT.
4. PHASE I (HOLLY, MIMOSA, INTERNATIONAL HOUSE, PALM, ELM, AND SCIENCE HOUSE): PRIOR TO ANY PREPARATORY WORK ASSOCIATED WITH N.J.A.C. 5:23-8 AND TO ALLOW FOR THE INSTALLATION OF THE DECONTAMINATION UNIT FOR N.J.A.C. 5:23-8 ABATEMENT WORK, THE CONTRACTOR SHALL REMOVE MULTI-LAYERED ASBESTOS-CONTAINING FLOOR TILE FROM THE ENTRANCES/FOYERS. REMOVAL SHALL BE ACCOMPLISHED VIA NON-FRIABLE METHODS, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
5. PHASE I (HOLLY, MIMOSA, INTERNATIONAL HOUSE, PALM, ELM, AND SCIENCE HOUSE): PRIOR TO PRE-COMMENCEMENT INSPECTION OF N.J.A.C. 5:23-8, THE CONTRACTOR SHALL INSTALL CRITICAL BARRIERS SEALING OFF THE CRAWLSPACE FROM THE EXTERIOR AND ATTIC FROM THE SECOND FLOOR ABATEMENT WORK.
6. REMOVE AND DISPOSE OF ALL LAYERS OF ASBESTOS-CONTAINING RESILIENT FLOOR COVERINGS (FLOOR TILE AND LINOLEUM).
7. REMOVE AND DISPOSE OF ALL LAYERS OF CARPET, PADDING, TACK STRIPS AS CONSTRUCTION DEBRIS. RESILIENT FLOOR COVERINGS (FLOOR TILE) WHICH ADHERE TO CARPET SHALL BE DISPOSED OF AS ASBESTOS WASTE.
8. REMOVE ASBESTOS-CONTAINING DOUBLE LAYER DRYWALL AND ASSOCIATED JOINT COMPOUND FROM ALL ACCESSIBLE LOCATIONS, INCLUDING, BUT NOT LIMITED TO, WALLS, CEILINGS, SOFFITS, ETC. REMOVE ALL FASTENERS (STAPLES, SCREWS, NAILS, ETC.), GLUE AND ADHESIVES FLUSH WITH STUDS/JOISTS. DRYWALL WHICH IS INACCESSIBLE AND REQUIRES ANY REMOVAL OF EXISTING WOOD STRUCTURAL COMPONENTS SHALL BE SCORED FLUSH WITH THE ADJOINING SURFACES AND THE EXPOSED EDGES SHALL BE ENCAPSULATED.
9. REMOVE ALL INSULATION (PIPE, BATT, BLOWN-IN, ETC.), CERAMIC TILE AND NON-ASBESTOS FINISHES AS ASBESTOS CONTAMINATED WASTE.

- PHASE II, BUTTERNUT QUANTITIES -

MATERIALS:	QUANTITY:
DOUBLE LAYER DRYWALL AND JOINT COMPOUND	47,642 SF
RESILIENT FLOOR COVERINGS	3,254 SF
DRYWALL STUD/JOIST ADHESIVE	25,002 LF

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Sheet: 9 of 9

USAEMI Project Number: 15-020310-02
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Drawn by: W.K.M.

William Weisgarber, Jr., Project Designer
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Environmental, Engineering & Construction

Client: Ramapo College of New Jersey
505 Ramapo Valley Road
Mahwah, New Jersey 07430
Site: College Park Apartments
Phase II

Drawing Title
Asbestos Abatement
Plans for Phase II
Butternut

Drawing No.

AA.9