Township Archives
Township of Brick, NJ
401 Chambers Bridge Rd, Brick, NJ 08723

This File Contains Personal Identifiable Information of Private Citizen(s).

Certain information contained in this file is ***Exempt from Release*** under the Open Public Records Act (OPRA) (Public Law 2001, CHAPTER 404 (N.J.S.A. 47:1A-1 et seq.)) and Executive Orders issued by the Governor of New Jersey. The following information ***MUST*** be redacted prior to release:

- Social Security Numbers
- Drivers' License Numbers
- Unlisted Phone Numbers
- Credit Card Numbers
- Bank Account Numbers and Balances

For further information, consult with the Township Clerk, Township Archivist or Township Attorney prior to release.

Bryan J. Dickerson, CA, CMR
Township Archivist

Issued: 8 January 2020

BLOCK 1091 LOT 5 QUALIFICATION CODE _____ ADDRESS (SITE) _____ PERMIT NO. 20-0891

CONSTRUCTION PERMIT APPLICATION

C20-001298

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: St. Dominic Elementary School-Basement
2. Name of Owner in Fee: Church of St. Dominic
   Tel. (732) 840-1410 e-mail _____
   Address 250 Old Squan Road (street) municipality zip code
3. Ownership in Fee: Public X Private _____
4. Principal Contractor: Resource Management Group, LLC Tel. (609) 914-4279
   Address ~~PO Box 373, Lumberton, NJ 08048~~ e-mail RMGLISA@GMail.com
   2115 Hamilton Ave Suite 202 Trenton, NJ 08619
   License No. OR, if new home, Builder Reg. No. Asbestos 01185 Exp. Date 09/19/2020
   Home Improvement Contractor Registration No. or Exemption Reason N/A
   Federal Emp. ID No. 273520274 FAX: (609) 914-4651
5. Architect or Engineer N/A Contact _____
   Address _____ e-mail _____
   Tel. _____ FAX: _____
6. Responsible Person in Charge once Work has Begun Brian Haney
   Tel. (609) 977-6159 FAX: (609) 914-4651

RECEIVED MAY 07 2020

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	$ 150-		
2. Electrical			
3. Plumbing			
4. Fire Protection			
5. Elevator Devices			
6. Subtotal			
7. Less 20% for State Plan Review	$		
8. Subtotal	$		
9. State Permit Surcharge Fee			
10. Subtotal	$		
11. Cert. of Occupancy			
12. Other			
13. TOTAL	$ 150-		

VI. BUILDING/SITE CHARACTERISTICS

(office use only)

1. Number of Stories _____
2. Height of Structure _____
3. Area — Largest Floor _____ sq. ft.
4. New Building Area _____ sq. ft.
5. Volume of New Structure _____ cu. ft.
6. Max. Live Load _____
7. Max. Occupancy Load _____
8. If Industrialized Building: State Approved ____ HUD ____
9. Total Land Area Disturbed _____ sq. ft.
10. Flood Hazard Zone _____
11. Base Flood Elevation _____ ft.
12. Wetlands yes ____ no ____

COMMERCIAL

IIa. PROPOSED WORK

- ☐ Minor Work
- ☐ New Building
- ☐ Addition
- ☐ Demolition
- ☐ Repair
- ☐ Alteration
- ☐ Renovation
- ☐ Reconstruction
- ☒ Asbestos Abat. -Subch. 8
- ☐ Lead Hazard Abatement
- ☐ Radon Remediation
- ☐ Annual Permit

IIb. SUBCODES

(Check all that apply)

FOR OFFICE USE ONLY (Optional)

	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Resubmission Dates Rejection	Re-viewer
☒ Building					05/07/20	KCL			
☐ Electrical									
☐ Plumbing									
☐ Fire Protection									
☐ Elevator									
TOTAL COST	$0								

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL *(primary use)*
1. State Specific Use: _____
2. Use Group, Proposed: Select Group
3. Change in Use Group, Indicate Present: Select Group
4. No. of dwelling units: *Total Units* *Income-restricted*
   Gained, Sale _____ _____
   Gained, Rental _____ _____
   Lost, Sale _____ _____
   Lost, Rental _____ _____

B. NON-RESIDENTIAL *(primary use)*
1. State Specific Use: _____
2. Use Group, Proposed: Select Group
3. Change in Use Group, Indicate Presen Select Group

C. MIXED USE -List secondary use(s): _____
D. Construct. Classification: Present _____
Proposed _____

III. PLAN REVIEW (optional)

DO YOU WANT:
1. ☐ Partial Releases
2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Escalators/Lifts/Dumbwaiters/Moving Walks
2. ☐ High Pressure Boilers
3. ☐ Pressure Vessels
4. ☐ Refrigeration Systems
5. ☐ Cross-Connections/Backflow Preventers
6. ☐ Hazardous Uses/Places of Assembly
7. ☐ Sprinklers/Standpipes
8. ☐ Smoke Control Systems in Open Wells
9. ☐ Underground Storage Tanks
10. ☐ Swimming Pools, Spas and Hot Tubs
11. ☐ LPGas Tanks
12. ☐ Fire Alarm

Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 7/28/20
Control Number C-20-001298
Permit Number 20-0891
Permit Issue Date 5/11/2020
Certificate Number 20-0891

Certificate

Construction Code Division

(Certificate of Approval)

Identification

Work Site Location: 250 OLD SQUAN RD. Brick Township, NJ Block: 1091 Lot: 5 Qual:

Owner in Fee: ST DOMINICS R C CHURCH

Owner Address: 250 OLD SQUAN RD BRICK NJ 08724

Telephone: (732) 840-1410

Contractor RESOURCE MANAGEMENT GROUP LLC

Address 3224 SYLON BLVD HAINESPORT NJ 08036

Telephone: (609) 914-4279 Fax: Federal Emp. Number:

License Number or Builders Registration Number:

Home Warranty Number: Type of Warranty Plan: ☐ State ☐ Private

Use Group: E Construction Classification:

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: ALTERATION - COMMERCIAL - - ST. DOMINIC SCHOOL ...ASBESTOS REMOVAL

Certificate Comments:

☐ **Certificate of Occupancy**
This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☑ **Certificate of Approval**
This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**
This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**
The following conditions must be met no later than
or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**
This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**
This serves notice that based on written certification, asbestos abatement was performed to the following extent.

☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**
This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**
The following conditions must be met no later than:
or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

David J. Newman Jr

Construction Official

Fee: $0.00
Check Number:
Collected By:

Date Printed: 7/28/2020

U.C.C. F260 (rev. 08/05)

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

A. ( ) I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

B. ( ) I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(f)1.ix:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

C. ( ) I further certify that I will perform or supervise the following work:
C.1. ( ) Building C.2. ( ) Fire Protection

I further certify that I will perform the following work:
C.3. ( ) Electrical C.4. ( ) Plumbing

D. (X) I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals, including such certification as the construction official may require, have been given or will be given prior to pemit issuance.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature_____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals, including such certification as the construction official may require, have been given or will be given prior to permit issuance.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

(X) Check if contractor.

Agent Name Brian Haney - Resource Management Group, LLC

Address PO Box 373, Lumberton, NJ 08048

Telephone (609) 914-4279

Signature Brian Haney

III. ( ) LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:23-2.15(b)4.

IV. ( ) HOME ELEVATION: Include Home Elevation Contractor Certification as per N.J.S.A. 52:27D-123.16.

BUILDING SUBCODE
TECHNICAL SECTION

Date Received / Control # 05-11-20

Date Issued / Permit # 20-0891

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 1091 Lot 5 Qualification Code

Work Site Location St. Dominic Elementary School-Basement
250 Old Squan Road

Owner in Fee: Church of St. Dominic

Tel. (732) 840-1410 e-mail

Address 250 Old Squan Road
street municipality zip code

Contractor: Resource Management Group, LLC Tel. (609) 914-4279

Address PO Box 373, Lumberton, NJ 08048 e-mail RMGLISA@GMail.com

Contractor License No. or Builder Registration No. Asbestos 01185 Exp. Date 09/19/2020

Home Improvement Contractor Registration No. or Exemption Reason N/A

Federal Emp. ID No. 273520274 FAX: (609) 914-4651

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial
[ ] No Plans Required		
[✓] All	05/07/20	MEK
[ ] Footings/Foundations		
[ ] Structural/Framework		
[ ] Exterior		
[ ] Interior		

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL for PERMIT
Date: 05/07/20
Approved by: MEK.

SUBCODE APPROVAL for CERTIFICATE
[ ] CO [ ] CCO [✓] CA
Date: 07/28/20
Approved by: MEK

INSPECTIONS Type:	Failure	Failure	Approval	Initial
	Dates (Month/Day)			
Footing				
Footing Bonding				
Foundation				
Slab				
Frame				
Truss Sys./Bracing				
Barrier-Free				
Insulation				
Finishes -Base Layer				
Finishes -Final				
Energy				
Mechanical				
TCO				
Other				
Final			07/28/20	MEK
Barrier-Free				

B. BUILDING CHARACTERISTICS

Use Group Present _____ Proposed _____

No. of Stories _____

Height of Structure _____ ft.

Area — Largest Floor _____ sq. ft.

New Bldg. Area/All Floors _____ sq. ft.

Volume of New Structure _____ cu. ft.

Max. Live Load _____

Max. Occupancy Load _____

Constr. Class Present _____ Proposed _____

If Industrialized Building:
State Approved _____ HUD _____

Est. Cost of Bldg. Work:

1. New Bldg. $ _____
2. Rehabilitation $ 85,950
3. Total (1+ 2) $ 85,950

U.C.C. F110 (rev. 11/09)
Internet version

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here: Brian Haney

Print name here: Brian Haney

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Removal and disposal of the following:

Basement:
- 300 LF of pipe insulation
- 150 CF of firebrick
- 87 Fittings

COMMERCIAL

TYPE OF WORK:
- [ ] New Building
- [ ] Addition
- [ ] Rehabilitation
- [ ] Roofing
- [ ] Siding
- [ ] Fence _____ Height (exceeds 6')
- [ ] Sign _____ Sq. Ft.
- [ ] Pool
- [ ] Retaining Wall _____ Sq. Ft.
- [X] Asbestos Abatement Subchapter 8
- [ ] Lead Haz. Abatement NJAC 5:17
- [ ] Radon Remediation
- [ ] Other _____
- [ ] Demolition

FEE (Office Use Only)

$

Administrative Surcharge $
Minimum Fee $
State Permit Surcharge Fee $
TOTAL FEE $

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

Gmail

Lisa Stafford <rmglisa@gmail.com>

The Dom

Albert Oswald <Al@hssenv.com>
To: Lisa Stafford <rmglisa@gmail.com>

Mon, Jul 6, 2020 at 4:15 PM

Lisa did you get the certs of completion for this ?
I attached today in case
Cheers
Al Oswald
Health & Safety Services, Inc.
PO Box 365
Berlin, NJ 08009
C 609-839-6636
O 856-452-1311
E Al@hssenv.com

[Quoted text hidden]

St Doms Cert of Comp.pdf
456K

1091
5

HEALTH & SAFETY SERVICES, Inc.

PO Box 365 • Berlin, NJ 08009 • (856) 452-1311 • info@hssenv.com
Indoor Air Quality • Asbestos & Lead Management • Site Assessments

Client: Church of St. Dominic Project #: 20-0427-10

Project: St. Dominic E.S. Date: 06/11/20

Contractor: Resource Management Group Technician: Al Oswald

Work Area: Boiler Room - Demo 2 Boilers, remove 300LF Pipe, 150CF brick 87 Fittings.

Asbestos Safety Technician
Certificate of Completion

Construction Permit Number: 20-0891

Please be advised that the above listed work area has been tested, inspected and is found to be satisfactorily cleaned and in compliance with contract specifications and N.J.A.C. 5:23-8.

Health & Safety Services, Inc., ASCM #117, is requesting the local code official to issue a Certificate of Occupancy for the above mentioned project.

Please email a copy of the Certificate to Health & Safety Services, Inc. at info@hssenv.com

Asbestos Safety Technician [signature]

New Jersey Certification Number 00922 Time 1400

Final Air Testing Results:

Glovebag **Phase Contrast Microscopy** **Each must be less than 0.010 f/cc**		Full Containment **Transmission Electron Microscopy** **Average Must be less than 70 s/mm²**	
0.004	f/cc	<15	s/mm²
0.003	f/cc	<15	s/mm²
<0.003	f/cc	<15	s/mm²
0.005	f/cc	<15	s/mm²
0.005	f/cc	<15	s/mm²

Health & Safety Services, Inc. • PO Box 365. • Berlin, New Jersey 08009 • (856) 452-1311 • info@hssenv.com

Asbestos Air Sampling Data Form

Client:	St. Dominic E.S.			Date:	06/07/20 (Sun)
Sampled By:	Al Oswald	Rotometer #:	N-69	Analyst:	AJO
Work Area:	Boiler Room - Glovebag removal fittings				TAT: On site

Sample # / Lab #	Sample Location	Code	Time Start	Time Stop	Total Minutes	Flow Rate Start	Flow Rate Stop	Total Volume	# Fibers /100 Fields	Results (f/cc)
75	Clean Room D-Con	2 O	0800	1130	210	10	10	2100	12	0.003
76	Adj. HW heater	2 O	0800	1130	210	10	10	2100	7	0002
77	Waste Route	2 O	0802	1132	210	10	10	2100	<5.5	<0.001
78	Staging Area	2 O	0805	1135	210	10	10	2100	10	0.002
79	Boiler Room	3 I	1145	1315	90	10	10	900	8	0.004
80	↓	3 I	1145	1315	90	10	10	900	6	0.003
81	↓	3 I	1145	1315	90	10	10	900	<5.5	<0.003
82	↓	3 I	1145	1315	90	10	10	900	10	0.005
83	↓	3 I	1145	1315	90	10	10	900	10	0.005

Codes: 1 - Pre-Test; 2 - Project; 3 - Aggressive Final; 4 - Investigative; 5 - Personal; 6 - Occupied Area; A - Aggressive; D - Dormant; IWA - Inside Work Area; OWA - Outside Work Area; E - Excursion; T - TWA

Signature: _____ Delivered By _____ Date&Time _____ Received By 6/7/20 Date&Time

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042013039
Customer ID: HESA55
Customer PO:
Project ID:

Attention: Al Oswald
Health & Safety Services, Inc.
PO Box 365
Berlin, NJ 08009

Phone: (609) 839-2432
Fax: email only
Received Date: 06/05/2020 16:20 PM
Analysis Date: 06/05/2020
Collected Date:

Project: St. Dominic ES / Boiler Abatement / 20-0427-10

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm^2)	Non Asb	Asbestos Type(s)	#Structures ≥0.5µ < 5µ	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm^2)	Asbestos Concentration (S/cc)
F-01 042013039-0001	Final IWA/Boiler Room	1200.00	0.0665	0	None Detected	0	0	0.0048	<15.00	<0.0048
F-02 042013039-0002	Final IWA/Boiler Room	1200.00	0.0665	0	None Detected	0	0	0.0048	<15.00	<0.0048
F-03 042013039-0003	Final IWA/Boiler Room	1200.00	0.0665	0	None Detected	0	0	0.0048	<15.00	<0.0048
F-04 042013039-0004	Final IWA/Boiler Room	1200.00	0.0665	0	None Detected	0	0	0.0048	<15.00	<0.0048
F-05 042013039-0005	Final IWA/Boiler Room	1200.00	0.0665	0	None Detected	0	0	0.0048	<15.00	<0.0048

Analyst(s)
Wayne Froehlich (5)

Samantha Rundstrom, Laboratory Manager
or other approved signatory

Report amended: 06/05/2020 21:05 PM Replaces amended report from: 06/05/2020 21:04 PM Reason Code: Data Entry-Change to Appearance

OrderID: 042013039 042013039

HEALTH & SAFETY SERVICES, Inc.

PO Box 365 • Berlin, NJ 08009 • (856) 452-1311 • info@hssenv.com
Indoor Air Quality • Asbestos & Lead Management • Site Assessments

RECEIVED EMSL MINSON, NJ

Chain of Custody - Final Air Samples

20 JUN -5 PM 4:20

Client: St. Dominic E.S. Project #: 20-0427-10

Project: Boiler Abatement Laboratory: EMSL

Type of analysis	Turnaround	Submit COC & results to:
☐ PCM 7400	☐ 3 ☒ 6	☑ jim@hssenv.com ☐ Fax – 609-561-7646
☐ TEM – Phila.	☐ 12 ☐ 24	☑ al@hssenv.com
☒ TEM AHERA	☐ 48 ☐	☐ Fax -
☐		☒ Phone- Al 609-839-6636

Samples Collected By: Al Fogarty Date: 6/5/20

Samples Delivered By: [signature] Date: 6/5/20 Time:

Samples Received By: [signature] Date 6/5/2020 Time: 420

Sample # / Lab #	Sample Location	Code	Total Volume
F-01	Final IWA / Boiler Room	3 IWA	1200
F-02	↓	3 IWA	1200
F-03	↓	3 IWA	1200
F-04	↓	3 IWA	1200
F-05	↓	3 IWA	1200
			5/10

Codes			
	1 - Pre-Test 2 - Project	3 - Aggressive Final 4 - Investigative	5 – Personal 6 – Occupied Area
	A - Aggressive D - Dormant	IWA - Inside Work Area OWA - Outside Work Area	E - Excursion T - TWA

2004-0864

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation ______
North ______ East ______

Generator

1-A. Special Waste Profile Number	NESHAP Notified	WSR Number
480273 PAE	____ YES ____ NO	252892

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)	1-C. Generator's Phone Number
Church of St. Dominic, 250 Old Squan Road, Brick Township NJ 08724; Rev. Brian P. [illegible]	732-840-1410

1-D. Work Site Address	1-E. 24 Hour Emergency Response Telephone Number
St. Dominic elementary school, 250 Squan Rd, Brick Township NJ 08724	609-914-4279

2. Operator's Name and Complete Mailing Address	Operator's Phone Number
Resource Management Group LLC, P.O. Box 373, Lumberton NJ 08048	609-914-4279

3. Waste Disposal Site (WDS) Name and Complete Mailing Address	WDS Phone Number
[illegible]	[illegible]

4. Name and Address of Responsible Agency
USEPA [illegible] Air Compliance Branch [illegible]

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
friable asbestos 480273 PAE	RQ, NA2212, Asbestos, 9, PGIII	180 / 12	BAGS / DRUMS	31/10
non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL. MUST BE BURIED.

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title	Signature	Date
Louise Braithwaite	[signature]	6/19/20

Transporter

10. Transporter 1 Company Name	Driver Signature
RMG, LLC	[signature]
Complete Mailing Address: P.O. Box 373, Lumberton, NJ 08048	Printed Name and Title: Louise Braithwaite
Telephone Number (including area code): 609-914-4279	Date: 6/19/2020

11. Transporter 2 Company Name	Driver Signature
Complete Mailing Address	Printed Name and Title
Telephone Number (including area code)	Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title	Signature	Date
[signature]	[signature]	6/22/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation _____

North _____ East _____

Generator

1-A Special Waste Profile Number: 4826338AE

NESHAP Notified: ____ YES ____ NO

WSR Number: 353654

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CHURCH OF ST. DOMINIC
250 OLD SQUAN ROAD
BRICK TOWNSHIP, NEW JERSEY 08724

1-C. Generator's Phone Number: 732-840-1410

1-D. Work Site Address
ST. DOMINIC ELEMENTARY SCHOOL
250 OLD SQUAN ROAD
BRICK TOWNSHIP, NEW JERSEY

1-E. 24 Hour Emergency Response Telephone Number: 973-277-4360

2. Operator's Name and Complete Mailing Address
RESOURCE MANAGEMENT GROUP, LLC
2115 HAMILTON AVE SUITE 202
TRENTON, NJ 08619

Operator's Phone Number: 609-914-4279

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Grand Central Sanitary Landfill
1963 Pen Argyl Road
Pen Argyl, PA 18072 Permit #100265

WDS Phone Number: 610-863-1315

4. Name and Address of Responsible Agency
USEPA Region III (PA, DE, MD, VA, & WV)
Air Compliance Branch
1650 Arch Street, Philadelphia, PA 19103

USEPA Region II (NY, NJ, PR, & VI)
Air Compliance Branch
290 Broadway, New York, NY 10007

USEPA Region I (MA, ME, CT, RI, VT, & NH)
Air Compliance Branch
Boston, MA 02109-3912

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
friable asbestos	RQ, NA2212, Asbestos, 9, PGIII, ERG 171	740	M/M	600
non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL. MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kevin Healy

Signature

Date: 6-10-24

Transporter

10. Transporter 1 Company Name
Newark Carting Inc.
Complete Mailing Address
PO Box 5670
Newark, NJ 07105
Telephone Number (including area code)
973-277-4360

Driver Signature

Printed Name and Title: Kevin Healy

Date: 6/10/24

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 6/10/24

DCE-230-97

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

Resource Management Group, LLC

May 19th, 2020

Brick Building Inspection
401 Chambersbridge Road
Brick Township, NJ 08723

Re: Revised Specifications & Asbestos Notification

Please see the enclosed Revised Specifications & Asbestos Notification for the permit for St. Dominic Elementary School.

Per the air monitoring the only change is from "Unoccupied" to "Occupied" on the NJ asbestos notification.

Please don't hesitate to contact me if you need anything else at all.

Thank you for your assistance!

Lisa Stafford
Resource Management Group, LLC
3224 Sylon Boulevard
Hainesport, NJ 08036

RECEIVED
MAY 2 1 2020
BUILDING

1091/5

Amended

State of New Jersey
NOTIFICATION OF ASBESTOS ABATEMENT
(Pursuant to N.J.A.C. 8:60 and 12:120)

Date of Notification (1) 05/19/2020	Name of Building Owner / Operator (2) Church of St. Dominic
Agencies Notified ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☒ DCA	Type Notification ☐ Initial ☒ Amended (occupied) ☐ Emergency ☐ Cancellation
	Street Address 250 Old Squan Road
	City, State & Zip Code Brick Township, NJ 08724
	Name of Contact Rev. Brian P. Woodrow
	Telephone Number 732-840-1410

FACILITY INFORMATION

Name of Facility Where Abatement is Taking Place (3) St. Dominic Elementary School			Type of Facility (4) ☐ School (K-12) ☒ Subchapter 8 (Other than K-12) ☐ Other (i.e. private & commercial buildings, homes, etc.)
Street Address 250 Old Squan Road			Square Feet: 81,248 / # of Floors: 2 / Bldg. Age: 50 Current Use (Prior if being demolished) School
City (5) Brick Township	County (6) Ocean	County Code (7)	
Name of Monitoring Firm Hired by Building Owner (8) Health & Safety Services	ASCM No.		Name of Abatement Contractor (9) Resource Management Group, LLC
Street Address P.O. Box 365			Street Address 2115 Hamilton Ave, Suite 202
City, State & Zip Code Berlin, NJ 08009			City, State & Zip Code Trenton, NJ 08619
Project Manager for Monitoring Firm Mr. Jim Proctor	Telephone Number 856-839-2432		Telephone Number 609-977-6159 / License Number: 01185
Scheduled Start Date (10) 05-18-2020	Scheduled Completion Date (11) 06-15-2020		Name of OSHA Monitor J&S Environmental Laboratories, Inc.
Occupancy Status During Abatement (Check only one) ☐ Facility Closed/Vacated During Entire Period of Abatement ☒ Abatement Performed During 1st Shift Describe: 8AM-5PM ☐ Facility Occupied During Abatement			Street Address 2333 Route 22 West City, State & Zip Code Union, NJ 07083

Scope of Work (Check all that apply)

☐ ≥3 sf or ≥3 lf
☒ ≥160 sf ≥260 lf
☒ Renovation
☐ Demolition
☒ Full Containment with Negative Pressure
☐ Mini-Enclosure
☐ Glove Bag Procedures/Cut & Wrap
☐ Non-Exempted and Non-Friable Procedure

Location of Asbestos-Containing Material (ACM) TO BE ABATED in Facility (13)	Is Location Normally Used Solely by Maintenance or Custodial Staff? (12) Yes	No	N/A	Description of Asbestos-Containing Material (ACM) (i.e., thermal systems insulation, surfacing, VAT or other miscellaneous)	Amount (Specify SF or LF)	Abatement Type: Removal	Repair	Encapsulate	Enclosure
Basement	☐	☐	☒	300 LF	Pipe Insulation	☒	☐	☐	☐
Basement	☐	☐	☒	150 Cubic Feet	Firebrick	☒	☐	☐	☐
Basement	☐	☐	☒	87	Fittings	☒	☐	☐	☐
	☐	☐	☐			☐	☐	☐	☐
	☐	☐	☐			☐	☐	☐	☐
	☐	☐	☐			☐	☐	☐	☐

Name of Registered Waste Hauler Resource Management Group, LLC	NJDEP Waste Hauler ID No. 0035218	Cubic Yards of Waste TBD	Name of Registered Landfill Grows Landfill
City, State Trenton, NJ		Disposal Date TBD	City, State Morrisville, PA
Completed By (Print or Type) Mr. Brian J. Haney	Title President	Signature Brian Haney	Date 05/19/2020

Initial

State of New Jersey
NOTIFICATION OF ASBESTOS ABATEMENT
(Pursuant to N.J.A.C. 8:60 and 12:120)

Date of Notification (1) 05/01/2020	Name of Building Owner / Operator (2) Church of St. Dominic
Agencies Notified ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☒ DCA	Type Notification ☒ Initial ☐ Amended ☐ Emergency ☐ Cancellation	Street Address 250 Old Squan Road City, State & Zip Code Brick Township, NJ 08724 Name of Contact Rev. Brian P. Woodrow Telephone Number 732-840-1410

FACILITY INFORMATION

Name of Facility Where Abatement is Taking Place (3) St. Dominic Elementary School			Type of Facility (4) ☐ School (K-12) ☒ Subchapter 8 (Other than K-12) ☐ Other (i.e. private & commercial buildings, homes, etc.)
Street Address 250 Old Squan Road			Square Feet: 81,248 / # of Floors: 2 / Bldg. Age: 50
City (5) Brick Township	County (6) Ocean	County Code (7)	Current Use (Prior if being demolished) School
Name of Monitoring Firm Hired by Building Owner (8) **Health & Safety Services**		ASCM No.	Name of Abatement Contractor (9) Resource Management Group, LLC
Street Address **P.O. Box 365**			Street Address 2115 Hamilton Ave, Suite 202
City, State & Zip Code **Berlin, NJ 08009**			City, State & Zip Code Trenton, NJ 08619
Project Manager for Monitoring Firm Mr. Jim Proctor		Telephone Number 856-839-2432	Telephone Number 609-977-6159 / License Number 01185
Scheduled Start Date (10) 05-18-2020	Scheduled Completion Date (11) 06-15-2020		Name of OSHA Monitor J&S Environmental Laboratories, Inc.
Occupancy Status During Abatement (Check only one) ☐ Facility Closed/Vacated During Entire Period of Abatement ☒ Abatement Performed During 1st Shift Describe: 8AM-5PM ☐ Facility Occupied During Abatement			Street Address 2333 Route 22 West City, State & Zip Code Union, NJ 07083

Scope of Work (Check all that apply)

☐ ≥3 sf or ≥3 lf
☒ ≥160 sf ≥260 lf
☒ Renovation
☐ Demolition
☒ Full Containment with Negative Pressure
☐ Mini-Enclosure
☐ Glove Bag Procedures/Cut & Wrap
☐ Non-Exempted and Non-Friable Procedure

Location of Asbestos-Containing Material (ACM) TO BE ABATED in Facility (13)	Is Location Normally Used Solely by Maintenance or Custodial Staff? (12) Yes	No	N/A	Description of Asbestos-Containing Material (ACM) (i.e., thermal systems insulation, surfacing, VAT or other miscellaneous)	Amount (Specify SF or LF)	Abatement Type: Removal	Repair	Encapsulate	Enclosure
Basement	☐	☐	☒	300 LF	Pipe Insulation	☒	☐	☐	☐
Basement	☐	☐	☒	150 Cubic Feet	Firebrick	☒	☐	☐	☐
Basement	☐	☐	☒	87	Fittings	☒	☐	☐	☐
	☐	☐	☐			☐	☐	☐	☐
	☐	☐	☐			☐	☐	☐	☐
	☐	☐	☐			☐	☐	☐	☐

Name of Registered Waste Hauler Resource Management Group, LLC	NJDEP Waste Hauler ID No. 0035218	Cubic Yards of Waste TBD	Name of Registered Landfill Grows Landfill
City, State Trenton, NJ		Disposal Date TBD	City, State Morrisville, PA

Completed By (Print or Type) Mr. Brian J. Haney	Title President	Signature	Date 05/01/2020

BUILDING SUBCODE
TECHNICAL SECTION

Date Received Control # 05-11-20

Date Issued Permit # 20-0891

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 1091 Lot 3 Qualification Code

Work Site Location St. Dominic Elementary School-Basement

250 Old Squan Road

Owner in Fee: Church of St. Dominic

Tel. (732) 840-1410 e-mail

Address 250 Old Squan Road

Contractor: Resource Management Group, LLC (street / municipality) Tel. (609) 914-4279 (zip code)

Address PO Box 373, Lumberton, NJ 08048 e-mail RMGLISA@GMail.com

Contractor License No. or Builder Registration No. Asbestos 01185 Exp. Date 09/19/2020

Home Improvement Contractor Registration No. or Exemption Reason N/A

Federal Emp. ID No. 273520274 FAX: (609) 914-4651

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial
[ ] No Plans Required		
[✓] All	05/07/20	WH
[ ] Footings/Foundations		
[ ] Structural/Framework		
[ ] Exterior		
[ ] Interior		

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL for PERMIT
Date: 05/07/20
Approved by: WH

SUBCODE APPROVAL for CERTIFICATE
[ ] CO [ ] CCO [ ] CA
Date:
Approved by:

INSPECTIONS Type:	Dates (Month/Day) Failure	Failure	Approval	Initial
Footing				
Footing Bonding				
Foundation				
Slab				
Frame				
Truss Sys./Bracing				
Barrier-Free				
Insulation				
Finishes -Base Layer				
Finishes -Final				
Energy				
Mechanical				
TCO				
Other				
Final				
Barrier-Free				

B. BUILDING CHARACTERISTICS

Use Group Present Proposed

No. of Stories

Height of Structure ft.

Area — Largest Floor sq. ft.

New Bldg. Area/All Floors sq. ft.

Volume of New Structure cu. ft.

Max. Live Load

Max. Occupancy Load

Constr. Class Present Proposed

If Industrialized Building:
State Approved HUD

Est. Cost of Bldg. Work:

1. New Bldg. $
2. Rehabilitation $ 85,950
3. Total (1+ 2) $ 85,950

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here: Brian Haney

Print name here: Brian Haney

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Removal and disposal of the following:

Basement:
- 300 LF of pipe insulation
- 150 CF of firebrick
- 87 Fittings

COMMERCIAL

TYPE OF WORK:
- [ ] New Building
- [ ] Addition
- [ ] Rehabilitation
- [ ] Roofing
- [ ] Siding
- [ ] Fence _____ Height (exceeds 6')
- [ ] Sign _____ Sq. Ft.
- [ ] Pool
- [ ] Retaining Wall _____ Sq. Ft.
- [X] Asbestos Abatement Subchapter 8
- [ ] Lead Haz. Abatement NJAC 5:17
- [ ] Radon Remediation
- [ ] Other _____
- [ ] Demolition

FEE (Office Use Only)

$

Administrative Surcharge $

Minimum Fee $

State Permit Surcharge Fee $

TOTAL FEE $

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

HEALTH & SAFETY SERVICES, Inc.

PO Box 365 • Berlin, NJ 08009 • (856) 452-1311 • info@hssenv.com
Indoor Air Quality • Asbestos & Lead Management • Site Assessments

5/6/20

Mr. O. Tex Falajiki
Supervisor
New Jersey Department of Community Affairs
Asbestos Control Unit
101 South Broad Street
4th Floor
PO Box 816
Trenton, New Jersey 08625-0816

Phone – 609-633-6224
Fax – 609-943-5159
Email - asbestos.notifications@dca.nj.gov

Dear Mr. Falajiki:

Health & Safety Services, Inc. will begin an asbestos abatement project at:

Site:	St. Dominics E.S.
Start Date:	5/18/20
Hours:	6AM to 1130PM
Finish Date:	6/15/20
AST on Site:	Jim Proctor/Al Oswald
Abatement Contractor:	Resource Management Group

If any additional information is required, please contact us at your earliest convenience.

Respectfully,
Health & Safety Services, Inc.

James J. Proctor
President

State of New Jersey
NOTIFICATION OF ASBESTOS ABATEMENT BY ASCM FIRM
(Pursuant to N.J.A.C. 5:23-8.11(c)3.viii)

Date of Notification (1): **5/18/20**	Name of Building Owner / Operator (2): **Church of St. Dominic**
Type Notification: ☐ Initial Notification ☒ Amended Notification ☐ Cancellation	Street Address: **250 Old Squan Road**
	City, State & Zip Code: **Brick Township, NJ 08724**
	Name of Contact: **Rev. Brian P. Woodrow** — Telephone Number: **732-840-1410**

FACILITY INFORMATION

Name of Facility Where Abatement is Taking Place (3): **St. Dominic Elementary School**	Type of Facility (4): ☒ School (K-12) ☐ Subchapter 8 (Other than K-12)
Street Address: **250 Old Squan Road**	Square Feet: **81,248** — # of Floors: **2** — Bldg. Age: **50**
City (5): **Brick Township** — County (6): **Ocean** — County Code (7):	Current Use (Prior if being demolished): **grade school**
Name of Monitoring Firm Hired by Building Owner (8): **Health & Safety Services, Inc.** — ASCM No.: **117**	Name of Abatement Contractor (9): **Resource Management Group, Inc.**
Street Address: **PO Box 365**	Street Address: **2115 Hamilton Avenue, Suite 202**
City, State & Zip Code: **Berlin, NJ 08009**	City, State & Zip Code: **Trenton, NJ 08619**
Project Manager for Monitoring Firm: **James J. Proctor** — Telephone Number: **856-452-1311**	Telephone Number: **609-977-6159** — License Number: **1185**
Scheduled Start Date (10): **5/18/20** — Scheduled Completion Date (11): **6/15/20**	Name of OSHA Monitor: **NA**
Occupancy Status During Abatement (Check only one): ☐ Facility Closed/Vacated During Entire Period of Abatement ☐ Abatement Performed Outside of Normal Hours – 7am to 3pm Describe: ☒ Facility Occupied During Abatement	Street Address: **NA** — City, State & Zip Code: **NA**

Scope of Work (Check all that apply): ☒ Full Containment ☐ Glove Bag

Location of Asbestos-Containing Material (ACM) TO BE ABATED in Facility (13)	Is Location Normally Used Solely by Maintenance or Custodial Staff? (12)	Description of Asbestos-Containing Material (ACM) (i.e., thermal systems insulation, surfacing, VAT or other miscellaneous)	Enter only Square Footage	Enter only Lineal Footage
boiler room	**Yes**	**pipe fitings**	*sf*	**100** *lf*
boiler room	**Yes**	**boiler packing**	**30** *sf*	*lf*
boiler room	**Yes**	**breeching**	**250** *sf*	*lf*
			sf	*lf*
			sf	*lf*
			sf	*lf*
			sf	*lf*
TOTALS			**280 SF**	**100 LF**

Completed By (Print or Type)	Title	Signature	Date
James J. Proctor	**President**		**5/6/20**

2 Copies of Revised Specifications Attached

HEALTH & SAFETY SERVICES, Inc.

PO Box 365 • Berlin, NJ 08009 • (856) 452-1311 • info@hssenv.com

Indoor Air Quality • Asbestos & Lead Management • Site Assessments

TECHNICAL SPECIFICATIONS

for

ASBESTOS ABATEMENT AND BOILER DEMOLITION

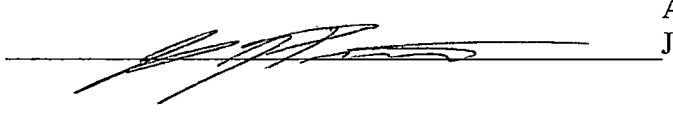
at the

ST. DOMINICS CATHOLIC SCHOOL

250 OLD SQUAN RD #1, BRICK TOWNSHIP, NJ 08724

Prepared By:

Health & Safety Services, Inc.
PO Box 365
Berlin, NJ 08009
856-452-1311
NJ ASCM # 117



AHERA Project Designer
James J. Proctor

MAY, 20

HEALTH & SAFETY SERVICES, Inc.

PO Box 365 • Berlin, NJ 08009 • (856) 452-1311 • info@hssenv.com

Indoor Air Quality • Asbestos & Lead Management • Site Assessments

SCOPE OF WORK

FULL CONTAINMENT WET REMOVAL of asbestos containing insulation related to boiler demolition inside the boiler room. Work area to be placed under negative pressure full containment with construction of (3) three stage Decontamination Chamber. NJ Sub-Chapter 8 Regulations apply. Quantities are as follows:

- 300 LF Fiberglass insulation
- 250 SF Boiler Breeching
- 100 pipefittings
- 2 Boilers, 32 sections per boiler and associated brick.

SPECIAL CONDITIONS Asbestos abatement projects involving ceiling tile and T-grid components, elevators, carpet, contaminated soil and projects in tunnels, crawl spaces, plumbing access panels, and/or involving live electrical panels or live steam lines are likely to present unique conditions that will require special precautions in addition to the procedures described in this section. In instances where special precautions need to be instituted, they shall be described in plans and specifications approved by the asbestos safety control monitor firm.

the following special conditions exist:

- Live electric exists in the building, caution is to be used around electrical lines. Adjacent to the containment area is 3 separate electric panels, the panels are to be framed out and covered with plywood and kept outside the containment area.

SEPARATION BARRIERS Isolation conditions include a requirement that the work area be separated from occupied areas by separation barriers of rigid construction consisting of nominal two inch by four-inch studs spaced 16 inches on center and covered with a minimum of one plywood or comparable metal framing and 1/2 inch gypsum board covering. All seams shall be caulked to render the barrier airtight before two layers of polyethylene sheeting are applied on both sides. The polyethylene sheeting shall overlap at the seams. All penetrations around conduits, pipes, ducts or other openings between the work area and adjacent spaces shall be sealed, using materials determined to be suitable in accordance with the applicable subcode. In buildings required by the Uniform Construction Code to be of non-combustible construction, all materials used to construct separation barriers shall meet the Uniform Construction Code, building subcode requirements for that building and all plastics used shall be flame resistant. A separate means of egress for abatement personnel, materials and equipment shall be maintained. Adequate fire evacuation routes shall exist for all building occupants at all times.

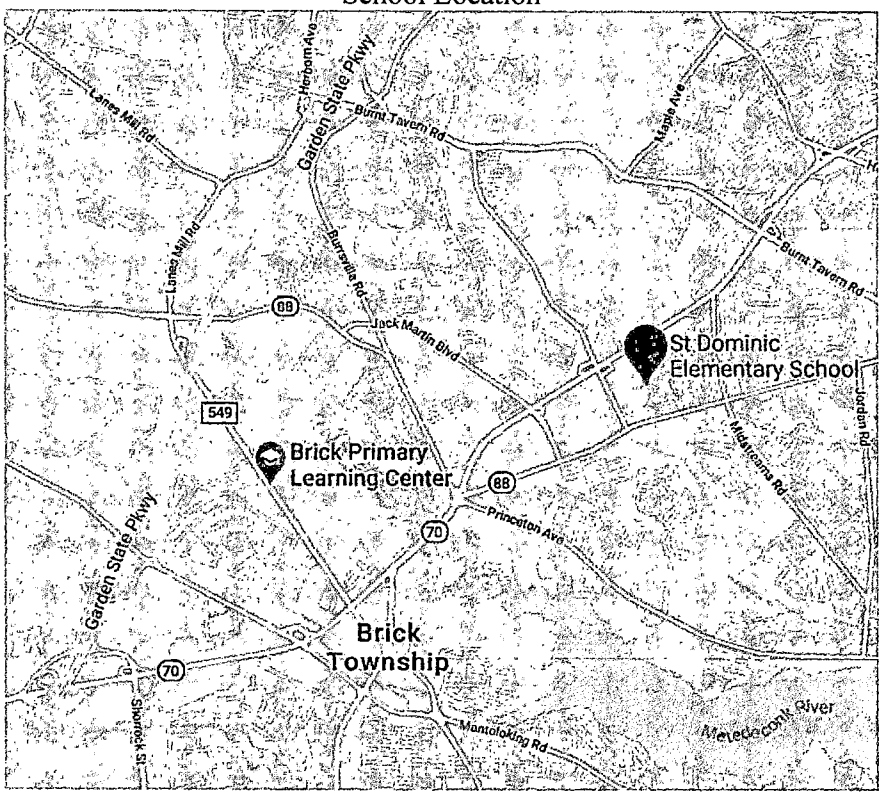
CRITICAL BARRIERS to be sealed with double layer of 6 Mil Fire Rated Poly. The contractor is to use a separate entrance to access the boiler room.

AIR FILTRATION DEVICES are to be HEPA filtered and exhaust outside of building.

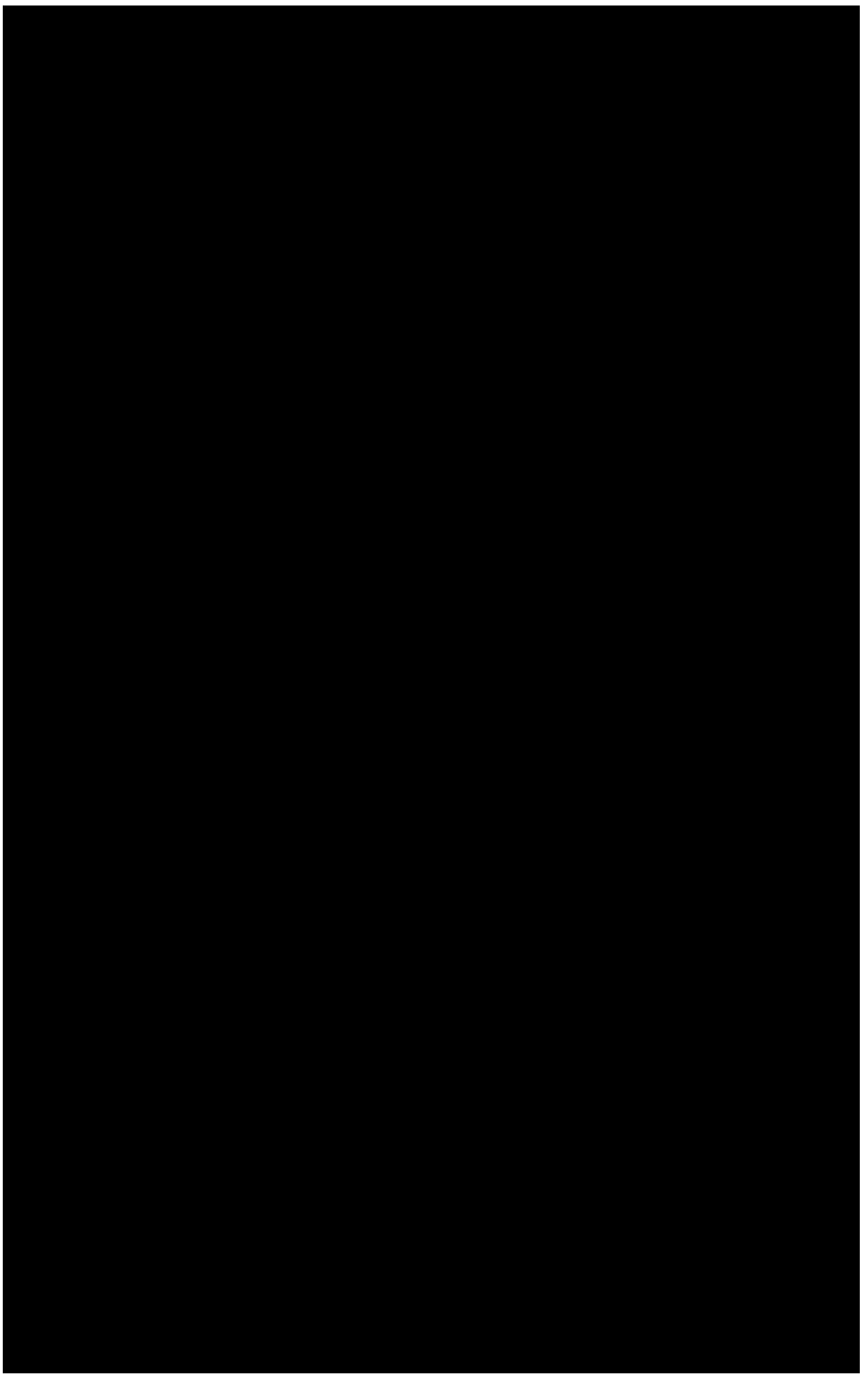
WASTE LOADOUT is to be completed at times of least occupancy of the building.

CONTRACTOR TO SUPPLY at least 3 HEPA Filtered negative air units to maintain 4 air exchanges every hour, also a negative pressure differential of at least 0.03" w.c. must be maintained during full containment abatement. A digital print-out manometer shall be placed in the clean room of decontamination chamber and a separate digital printout manometer in the waste decon. Negative pressure differential to be maintained and monitored from start of removal to acceptable final air clearance, that will be analyzed by (T.E.M.) Transmission Electron Microscopy, 24 HR TAT.

School Location



Separation Barrier Location



PART I GENERAL

1.00 Instructions to Bidders

A. By submitting a bid, the bidder acknowledges that he has investigated and satisfied himself as to:
   1. The conditions affecting the work, including but not limited to physical conditions of the site which may bear upon site access, handling and storage of tools and materials, access to water, electric, or other utilities or otherwise affect the performance of required activities;
   2. The character and quantity of all surface and subsurface materials or obstacles to be encountered in so far as this information is reasonably ascertainable from an inspection of the site, including exploratory work done by the building owner or a designated consultant, as well as information presented in drawings and specifications included with this contract.

B. Any failure by the bidder to acquaint himself with available information will not relieve him from the responsibility for estimating properly the difficulty or cost of successfully performing the work. The building owner is not responsible for any conclusions or interpretations made by the bidder on the basis of the information made available by the building owner.

1.01 Access to Work Site and Hours of Work

A. All arrangements for access to the work site shall be made through the Owner's Representative.

B. The contractor must start work on the agreed upon start date and continue uninterrupted with a full work force until project is complete.

1.02 Notifications

A. The contractor shall notify the following agencies in writing ten (10) days prior to the each start of the asbestos removal project. The Contractor must submit a copy of notice to Health & Safety Services, Inc., prior to the application for the asbestos abatement permit from the State of New Jersey Department of Community Affairs, Trenton; the contractor is responsible for permit application.

1. US Environmental Protection Agency
   Asbestos NESHAPS Contracts
   Air & Hazardous Material Division
   26 Federal Plaza
   New York, New York 10007
   P/ (212) 637- 4052
   F/ (212) 637-3398 or 4035

2. New Jersey Department of Community Affairs
   Bureau of Construction Code Enforcement
   CN 816
   Trenton, New Jersey 08625
   P/ (609) 530-8812
   F/ (609) 530-8858

3. New Jersey Department of Health
   Asbestos Control Project
   CN 360
   Trenton, New Jersey 08625
   P/ (609) 984-2193
   F/ (609) 984-2192

4. State of New Jersey
   Department of Environmental Protection
   Division of Solid Waste Management
   CN 414
   Trenton, New Jersey 08625-0414
   P/ (609) 292-7081
   F/ (609) 777-0769

5. New Jersey Department of Labor
   225 East State Street
   PO Box 392
   Trenton, NJ 08625-0392
   (609) 292-2516

Notification to the agencies in Section A above shall be on the required forms (where applicable) and include the following information:

1. Name and address of owner of building.
2. Name and address of the operator of the building.
3. Name and address of contractor.
4. Address and description of the building, including size, age and prior use of the building or area, and amount of friable asbestos material present in square feet and/or linear feet, as applies. Designate room numbers and other locations information unless entire building is involved.
5. Scheduled starting and completion dates for removal.
6. Procedures and equipment (including ventilating system) that will be employed to comply with 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants.
7. The name and address of the Department of Environmental Protection registered waste hauler and of the Department of Environmental Protection registered landfill where the asbestos waste will be deposited. Such landfill should also comply with 40 CFR Part 61.
8. The name and address of the Monitoring Firm to perform air monitoring on behalf of the contractor's employees.
9. Contractor shall obtain all permits and certificate of Occupancy.

B. The contractor shall notify the Owner's Asbestos Safety Monitoring Firm in writing at least 48 hours prior to commencement of any preparation of work.

1.03 Documentation of Worker's Qualifications

A. The contractor shall post the names, signatures, and photocopies of state issued licenses for all workers to be doing asbestos removal work on the job site. In addition, contractor must display a sign in letters larger than 4 inches tall indicating, "Licensed by the State of New Jersey for Asbestos Work". N.J.S.A 34:5A-32 et seq.

B. The contractor shall comply with all applicable requirements of 40 CFR Part 61, "Accepted Engineering Practices", and N.J.A.C. 5:23-8.

1.04 Air Monitoring & Inspections

A. The contractor is responsible for all OSHA required air monitoring for his employees.

B. Air monitoring and visual inspection in the adjacent to the work area will be conducted throughout the abatement project by the Owner's air monitoring technician and/or the Owner's representative in accordance with these specifications.

C. The Contractor shall provide the required respirators and protective clothing to all workers, and to all official representatives of the State, Federal government of other designated party who may inspect the job site.

D. The Contractor shall cooperate fully with all aspects of the air monitoring programs which are conducted by the independent air monitoring consultant.

1.05 Definitions

A. The following words, terms and abbreviations when used in this document shall have the following meanings unless the context clearly indicates otherwise.

1. **Abatement** - procedures to decrease or eliminate fiber release from precast, spray or trowel applied asbestos-containing building materials. Includes encapsulation, enclosure and removal.
2. **Airlock** - system for permitting ingress or egress without permitting air movement between a contaminated area and an uncontaminated area, typically consisting of two curtained doorways at least three feet (one-meter) apart.
3. **Air Monitoring** - the process of measuring the fiber content (fibers of a specified size range) of a specific volume of air in a stated period of time.
4. **Amended Water** - water to which a wetting agent is added. The wetting agent is a combination of chemicals which aids in the penetration of the material and increases the probability of individual fiber wetting.
5. **Asbestos** - a general term used to describe a group of naturally occurring hydrated mineral silicates. Including but not limited to the asbestos form varieties chrysotile (serpentine), crocidolite (riebeckite), amosite (cummingtonite-grunerite), anthophyllite, tremolite and actinolite.
6. **Asbestos Containing Material (ACM)** - any material which contains more than 1 percent asbestos by weight.
7. **Asbestos Safety Technician (AST)** - a person certified by the New Jersey Department of Community Affairs, hired by an Asbestos Safety Control Monitor who continuously monitors and inspects the asbestos abatement work pursuant to N.J.A.C. 5:23-8 and these specifications.
8. **Authorized Personnel** - The owner, the owner's representative, asbestos abatement contract personnel, asbestos safety control monitor personnel, emergency personnel, or a representative of any Federal, State, or Local regulatory agency, or other personnel under contract for, or having jurisdiction over the project.
9. **Barrier** - polyethylene sheeting that completely seals off the work area to prevent contamination of the surrounding area.
10. **Breathing Zone** - A hemisphere forward of the shoulders with a radius of approximately six to nine inches.
11. **Building Owner** - The Owner, or his authorized representative.
12. **Category 1 Non-Friable Asbestos Containing Material (ACM)** - Asbestos containing packing, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos, as determined using the method specified in Appendix A, Subpart F of 40 CFR Part 763, Section 1; Polarized Light Microscopy.
13. **Category 2 Non-Friable Asbestos Containing Material (ACM)** - Any material , excluding Category 1 Non-Friable Asbestos Containing Material as determined using the method specified in Appendix A, Subpart F of 40 CFR Part 763, Section 1; Polarized Light Microscopy. This material, when dry, can not be crumbled, pulverized, or reduced to powder by hand pressure.
14. **Certificate of Completion** - The certificate issued by the Asbestos Safety Control Monitor signifying that the asbestos hazard abatement work has been completed in conformance with NJAC 5:23-8 and/or these specifications.
15. **Clean Room** - an uncontaminated area or room which is part of the worker decontamination enclosure system, with provisions for storage of workers' street clothes and protective equipment. Also referred to as Change Room.
16. **Competent Person** - in addition to the definition in 29 CFR 1926.32 {f}, one who is capable of identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy for asbestos exposure and who has the authority to take prompt corrective measures to eliminate them, as specified in 29 CFR 1926.32 {f}.
17. **Construction Permit for Asbestos Abatement** - requires official approval to commence any asbestos hazard abatement job.
18. **Contractor** - the Asbestos Removal Contractor licensed by the New Jersey Department of Labor.
19. **Critical Barrier** - two layers of 6 mil polyethylene sheeting that completely seals off the work area to prevent the distribution of fibers to the surrounding area, such as the opening between the top of non-removable lights,

HVAC systems, windows, doorways, entrance ways, ducts, grilles, grates, diffusers, wall clocks, speaker grilles, floor drains, sink drains, etc..

20. **Curtained Doorway** - a device to allow ingress or egress from one room to another while minimizing air movement between the rooms. Typically constructed by placing three overlapping sheets of plastic over an existing or temporarily framed doorway and securing each along the top of the doorway, with the vertical edge of one along one vertical side of the doorway and the vertical edge of the other along the opposite vertical sides. Two curtained doorways spaced a minimum of three feet (one meter) apart form an airlock.
21. **Decontamination Enclosure System** - a series of connected rooms, with curtained doorway between any two adjacent rooms, for the decontamination of workers or of materials and equipment. A decontamination enclosure system always contains an airlock.
22. **Demolition** - The actual destruction and removal of a building, or part of a building, without the intent to renovate, repair, or replace. If it is later decided to retain the building, or part of the building, for future use, the project shall not be considered demolition and the criteria for reoccupancy shall be 0.010 fibers per cubic centimeter of air (f/cc).
23. **Disposal Bag** - Six-Mil thick leak tight plastic bags used for transporting asbestos waste from work site to disposal site. Each disposal bag will be labeled as follows:
24.

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD
AVOID BREATHING AIRBORNE ASBESTOS FIBERS
AND
ASBESTOS NA 2212, RQ

Each bag shall contain the U.S. DOT Class 9 (miscellaneous) hazardous material label. Contractor shall also label all disposal bags and/or containers with the name of the waste generator (Owner) and the location from which the waste was generated; all in accordance with the EPA NESHAPS regulation, 40 CFR Part 61, Subpart M.

25. **Employee** - an asbestos abatement worker having proper training, instruction and licensing.
26. **Encapsulation** - treatment of asbestos containing materials, generally ceilings, using a liquid to bond or seal the surface to minimize the potential for fiber release.
27. **Enclosure** - the construction of an airtight, impermeable, permanent barrier around asbestos-containing material to control the release of asbestos fibers into the air.
28. **Equipment Decontamination Enclosure System** - a decontamination enclosure system for materials and equipment, typically consisting of a designated area of the work area, a washroom and an uncontaminated area.
29. **Equipment Room** - a contaminated area or room which is part of the worker decontamination enclosure system, with provisions for storage of contaminated clothing and equipment.
30. **Flame-Resistant Polyethylene Sheeting**- a single polyethylene film in the largest sheet size possible to minimize seams, normal six mils thick, conforming to requirements set forth by the National Fire Protection Association Standard 701, Small Scale Fire Test for Flame-Resistant Textiles and Films.
31. **Friable** - any material which when dry may be crumbled, pulverized, or reduced to a powder by hand pressure or mechanical means.
32. **Fixed Object** - a unit of equipment or furniture which cannot be removed from the work area(s).
33. **Limited Containment (Glove Bag) Technique** - a method with limited applications for removing small amounts for friable asbestos containing material from HVAC Ducts, pipe runs, pipe joints, and other non-planar surfaces in a non-contained (plasticized) work area. The glovebag is constructed and installed in such a manner that it surrounds the object or material to be removed and contains all asbestos fibers released during the process. All workers are permitted to use the glovebag technique, provided that they are highly trained, experienced, and skillful in the method.
34. **HEPA Filter** - a High Efficiency Particulate Air filter capable of trapping and retaining 99.97 percent of asbestos fibers greater than 0.3 microns in length.

35. **HEPA Vacuum**- a High Efficiency Particulate Air filter vacuum cleaner, capable of trapping and retaining 99.97 percent of asbestos fibers greater than 0.3 microns in length.
36. **Holding Area** - a chamber between the washroom and uncontaminated area in the equipment decontamination enclosure system. The holding area is comprised of an airlock.
37. **HVAC** - Heating, Ventilation and Air Conditioning system.
38. **Moveable Object** - a unit of equipment or furniture in the work area(s) which can be removed from the work area(s).
39. **Negative Pressure** - air pressure lower than surrounding areas, generally caused by exhausting air from a sealed space (work area).
40. **NIOSH** - National Institute for Occupational Safety and Health.
41. **Occupied Building** - A building or structure where occupancy is permitted in certain areas outside of the required containment during an asbestos hazard abatement project.
42. **Plastic Sheeting** - polyethylene sheet material, of the thickness indicated.
43. **Protection Factor** - the ratio of the ambient concentration of an airborne substance to the concentration of the substance inside the respirator at the breathing zone of the wearer. The protection Factor is a measure of the degree of protection provided by a respirator to the wearer.
44. **Removal** - the act of properly eliminating and disposing asbestos containing or contaminated materials from a building.
45. **Repair** - corrective action using recommended work practices to minimize the likelihood of fiber release from small damaged areas of ACM.
46. **Respirator** - a device designed to protect the wearer from inhaling harmful atmospheres.
47. **Sealant** - a liquid or solution to be used as a binding agent, such as a diluted encapsulant or a water based paint, on dried exposed surfaces from which asbestos-containing material has been removed. The color of the coat shall be separate and distinct from the underlying substrate.
48. **Separation Barrier** - a constructed wall with no door that separates the clean area from the work area having a fire rating, if applicable and does not interfere with the means of egress. Polyethylene sheeting (minimum 2 layers of 6 mil) shall be placed on the work site of the barrier so that it completely seals off the work area to prevent the distribution of fibers to the surrounding area.
49. **Shower Room** - a room constituting an airlock, between the clean room and the equipment room in the worker decontamination enclosure system, with hot and cold or warm running water suitable arranged for complete showering during decontamination. The shower room always comprises on airlock.
50. **Surfactant** - a chemical wetting agent added to water to improve penetration of the ACM. Surfactants are used to ensure that all Asbestos Containing Materials are thoroughly wet before removal.
51. **Wet Cleaning** - the process of reducing asbestos contamination in a building by using cloths, mops, or other cleaning tools which have been dampened with amended water to decontaminate the area and by disposing these cleaning tools as asbestos contaminated waste.
52. **Washroom** - a room between work area and the holding area in the equipment decontamination enclosure system. The washroom comprises an airlock.
53. **Work Area** - the place in a building which asbestos abatement occurs.
54. **Worker Decontamination Enclosure System** - a decontamination enclosure system for workers, typically consisting of a clean room, a shower room and an equipment room.

1.06 Personnel Requirements and Training

A. All of the Contractor's workers must have valid training, a minimum of one years experience in asbestos abatement and a current asbestos workers permit as issued by the State of New Jersey, and shall comply with all applicable requirements of N.J.S.A. 34:5A-32 et seq. and 29 CFR 1926.58(k)(3), as well as other non-training requirements of 29 CFR 1926.

B. The Contractor shall furnish proof that all of the Contractor's personnel on the job (supervisors and workers) have been given medical examinations as required by OSHA regulations, 29 CFR 1910 and 29 CFR 1926. As a minimum, the examination should include a chest roentgenogram, a medical history with specific reference to respiratory disease and pulmonary function tests. This information should be provided to the Owner during the pre-construction meeting.

C. The Contractor shall provide a Certified, License Asbestos Supervisor to the project with a minimum of two years of successful experience in Asbestos Abatement operations similar in scope and magnitude to this project. The Contractor shall submit copy of qualifications to owner.

1.07 Asbestos Consultant/Asbestos Safety Technician

A. Health & Safety Services, Inc. shall perform all air sampling specified. They shall have access to all areas of the asbestos removal project at all times and shall continuously inspect and monitor the performance of the contractor and his employees to verify that their performance complies with this specification. An Asbestos Safety Technician (AST) shall be on site at all times that work is in progress, from the initial preparation of the work area to the completion of the abatement operation. The AST is present to protect the Owner's interest and to ensure compliance of N.J.A.C. 5:23-8. The air sampling, monitoring and inspections made by the AST shall not relieve the Contractor of his monitoring obligations.

B. The ASCM will send 20 day notification to building owner for distribution to occupants, and post notifications of asbestos abatement project 7 days prior to abatement on entrances adjacent to the work area

C. The Asbestos Safety Technician shall have the authority to require that all workers present a valid work card before entering the work site. He shall also have the authority to direct verbally and in writing the actions of the contractor to assure compliance. The Technician shall have the authority to test the seal of the respirators of all who enter the work site to ensure proper fit. In matters of gross negligence or flagrant disregard for the safety of others, including the possibility of contaminating the building environment and the appearance of an emergent unsafe condition at the work site, the Technician shall direct such corrective action as may be necessary.

C. The Asbestos Safety Technician upon receipt of testing results indicating that concentrations above 0.010 fibers per cc have occurred outside the containment barriers or above 0.020 fibers/cc within the clean room of the decontamination chamber during the abatement action shall report these results immediately to the contractor and to the owner's representative so that prompt corrective action may be taken.

D. The Asbestos Safety Technician shall keep a daily log of on-site observations concerning contractor's compliance with activities required under this specification listing all deficiencies encountered. In addition, this log shall list the names of all persons entering the work area. This log shall be made available upon request at all times to the Owner's Representative.

E. During the removal phase of the duties of the Asbestos Safety Technician shall be as follows:

1. Monitoring outside the work area shall be provided throughout removal operations, to ensure that no outside contamination is occurring.
2. Filters, cassettes and sampling train shall be assembled as specified in NIOSH 7400 method and 40 CFR 763. The flow rate shall be between 0.5 and 16 liters per minute. The total volume shall be a volume sufficient to achieve a detection limit of 0.010 f/cc. Pumps shall be calibrated before and after sampling and a record kept of this calibration.
3. The Asbestos Safety Technician shall take a minimum of three (3) samples per day, 1 sample every 4 hours in occupied areas during removal activities for every 10,000 SF of occupied space will be analyzed on-site, results will be available 4 hours after initial start and every 4 hours thereafter till the end of the shift. One stationary sample at decontamination unit entrance/exit and the remaining samples adjacent to work area but remote from the decontamination unit entrance. In the selection of adjacent areas to be monitored, preference shall be given to rooms adjacent to ACM worker's/Waste routes, critical barriers and/or occupied areas.
4. If the Contractor's barriers or other control methods are observed to malfunction and if the Contractor does not correct the problems immediately upon notification, the Asbestos Safety Technician shall have the authority to halt removal of asbestos in the affected work area. In such a situation additional sampling of at least 5 samples per day per area shall be performed by the Asbestos Safety Technician at the Contractor's expense.
5. The analysis of air samples (excluding final air tests) shall be done using NIOSH #7400 Method (A rules), by an AIHA AAR Certified microscopist via on-site analysis.
6. The evaluation criteria shall be 0.010 fibers per cubic centimeters.
7. A series of smoke tests shall be performed at the decontamination unit entrance/exit, by the asbestos safety technician to ensure continuous negative air pressure. This test shall be performed before each work shift and every four hours thereafter until the end of the work shift.
8. The Asbestos Safety Technician shall calculate the required number of negative air filtration units for each work area. This calculation shall be made whenever the volume of the work area changes. The Asbestos Safety Technician shall inform the Owner's Representative and the Contractor of any discrepancies between the number of units required and those in operation within the work area.

9. A record shall be kept in a daily log of all on-site observations, inspections and required activities.
10. The Asbestos Safety Technician shall ensure that all asbestos waste shall be removed from the work site daily unless it is placed in a locked, secure container outside of the work area until removal by a registered waste hauler.

F. Final Certification tests shall be conducted as follows:

1. Within 48 hours after final clean-up and before the removal of critical barriers, a visual inspection and a final air test shall be performed by the Asbestos Safety Technician for the Owner. This test is required to establish safe conditions for removal of critical barriers and to permit occupancy and/or demolition activity to begin. Sufficient time following clean-up activities shall be allowed so that all surfaces are dry during monitoring. At least 24 hours shall be allowed to pass after any wet cleaning has been done before the post-removal tests are begun.
2. Normal occupancy use conditions shall be simulated using aggressive sampling techniques.
3. EVALUATION CRITERIA:
    a. **Transmission Electron Microscopy:** (for abated materials in the amounts above 160 Linear Feet of 260 Square Feet) A minimum of 7 samples is required: five samples collected inside the abatement area, one field blank, and one sealed blank. Sampling and analysis must be completed according to the protocol outlined in 40 CFR 763. The work area will be considered clean if either: the arithmetic mean of the asbestos structure concentrations of the five samples collected inside the work area is equal to or less than 70 structures per square millimeter; or the two blank samples have an arithmetic mean of the asbestos structure concentration on the blank filters that is less than or equal to 70 s/mm^2.

If test results exceed these parameters, the Asbestos Safety Technician shall so inform the Contractor and the Owner's representative. If these criteria have not been met the Contractor shall be required to re-clean all surfaces using wet cleaning methods and provide negative HEPA-filtered exhaust air during the re-cleaning process. This process of re-cleaning, allowing surfaces to dry and re-testing shall be repeated until compliance is achieved.

b. **Phase Contrast Microscopy:** (for abated materials in the amounts below 160 linear feet or 260 square feet) A set of five samples will be collected in each area of PCM clearance If any of the samples in any set of air test results exceeds 0.010 fiber/cc, the Asbestos Safety Technician shall so inform the Contractor and the Owners' representative. If these criteria have not been met the Contractor shall be required to re-clean all surfaces using wet cleaning methods and provide negative HEPA-filtered exhaust air during the re-cleaning process. This process of re-cleaning, allowing surfaces to dry and re-testing shall be repeated until compliance is achieved.

Note: All costs incurred by the owner as a result of the work area failing to meet final clearance will be the Contractor's responsibility. The work schedule for all projects requiring Transmission

Electron Microscopy includes 24 hour turnaround time. The Contractor will compensate the Owner for the difference in costs if less than 24 hour turnaround time is required on TEM samples in order to satisfy contractual agreements.

G. Final inspection shall be conducted by the Asbestos Safety Technician as follows:

1. Upon notice by the Owner's representative or by the Contractor and at least 48 hours after the removal of the critical barriers, a final inspection shall be made to ensure the absence of any visible signs of asbestos or asbestos containing materials and that all removed asbestos and asbestos contaminated materials have been properly disposed of off-site.
2. Acceptable airborne fiber levels have been attained.
3. The Asbestos Safety Technician shall ensure that all asbestos waste has been removed from the work site by a registered waste hauler.

H. The Asbestos Safety Technician shall prepare a comprehensive final report, including daily logs, required inspection reports, observations and air monitoring results. The Asbestos Consultant shall maintain the report as a permanent record and present a copy to the Owner.

PART II CONTRACTOR RESPONSIBILITIES & DESCRIPTION OF WORK

2.00 Scope of Work

A. This section covers the furnishing of all labor, materials, facilities, equipment, services, employee training and testing, permits and agreements necessary to perform the work required for asbestos abatement in accordance with these specifications, EPA, OSHA Regulations, NIOSH recommendations, State of New Jersey Regulations, and any other applicable federal, state, and local government regulations. Whenever there is a conflict or overlap of the above references the most stringent provisions shall apply. It shall be the contractor's responsibility to verify exact quantities and locations of all asbestos containing materials. The quantities shown are for informational purposes only. Prospective bidder should bid this project according to what is observed during the Pre-bid walk through.

B. Description of Work: Perform the work and provide the services as follows:

1. Contractor must provide a foreman/supervisor that can speak and write English.

2. Worker training, respiratory protection and fit-testing, and OSHA required medical examinations.

3. Work area preparation including protection of all surrounding fixtures as described herein.

4. Asbestos Abatement to include the following:

    a. Isolate the work areas from remaining areas through the use of separation barriers.

    b. Asbestos removal in the following locations:
        St. Dominics School
        250 Old Squan Rd #1
        Brick Township, NJ 08724
        Boiler room, boiler demolition

    c. Contingency Plan refer to New Jersey Sub-Chapter 8 Asbestos Hazard Abatement Sub-Code 5:23 - 8.19 .5 or section 2.13 of this specification.

C. Sequence of Work shall be as follows:

1. The Contractor will insure that prior to abatement preparation, that all movable objects have been removed from the abatement area.
2. The Contractor will restrict access to areas where abatement is to take place from remainder of the building. The Owner will ensure that no school personnel occupy the building from the time that the Contractor mobilizes until the Certificate of Occupancy has been applied for by the AST.
3. The Contractor shall pre-clean the abatement area by HEPA vacuuming all surfaces.
4. The Contractor will construct to operational all final barriers, seals, and decontamination chambers as directed by the Asbestos Safety Technician.
5. The Contractor shall give the AST in writing 24 hours notice requesting a pre-commencement inspection.
6. Once the abatement has begun the AST shall make progress inspections and perform a Pre-Sealant inspection before the encapsulation process begins. The inspector shall insure that no visible debris is left on the substrate before any encapsulation begins.
7. The Owners Testing Laboratory shall perform final air testing after a 24-hour writing period from any wet wiping or cleaning. The final air tests will be performed by Transmission Electron Microscopy (TEM). The testing and analysis shall be done in compliance with the 40 CFR 763 and NJAC 5:23-8. If the results are higher than the allowable threshold the contractor will re-clean the abatement area and the testing firm must re-test. This sequence will continue until the test results are acceptable.
8. Once the appropriate air testing results are met, the Contractor will remove all critical barriers and separation barriers inside the abatement area. No tape, polyethylene sheet plastic or other construction debris can remain in the abatement area after this cleaning.
9. The AST will perform a final visual inspection of the abatement area. The Contractor must notify state inspectors 24 hours prior to the AST's final visual.

2.01 Standard Operating Procedures

A. The Contractor shall develop and implement a written standard procedure for abatement work to ensure maximum protection and safeguard from asbestos exposure of the workers, visitors, general public, and the environment.

The standard operating procedure shall ensure:

1. Tight security on a 24 hour basis from unauthorized entry into the work space.
2. Remove asbestos in ways that minimize release of fibers.
3. Safe work practices in the work place, including provisions for inter-room communications, exclusion of eating, drinking, smoking, or in any way breaking respiratory protection.
4. Proper protective clothing and respiratory protection prior to entering the work space from the outside.
5. Packing, labeling, loading, transporting, and disposing of contaminated material in a way that minimize exposure and contamination.

6. Proper exit practices from the work space to be the outside through the showering and decontamination facilities.
7. Emergency evacuation for medical or safety (fire and smoke) so that exposure will be minimized.
8. Safety from accidents in the work space, especially from electrical shocks, slippery surfaces, and entanglements in loose hoses and equipment.
9. Provisions for effective supervision, air monitoring and personnel monitoring for exposure during the work.
10. Engineering systems that minimize exposure to fibers in the work space.
11. The contractor shall submit these plans and procedures at least ten (10) days prior to abatement.

2.02 Notifications, Permits, Warning Signs, Labels, and Posters

A. Erect English warning signs around the work space and at every point of potential entry from the outside, with the words "Danger" Asbestos Hazard, Do Not Enter". The warning signs shall be a bright color so that they will be easily noticeable. The size of the sign and the size of the lettering shall be no less than OSHA requirements. Warning signs shall be posted at the entrance to the work area and around its perimeter at intervals of no more than twenty-five (25) feet.

B. Provide the OSHA required labels for all plastic bags and all drums utilized to transport contaminated material to the landfill.

C. Provide any other signs, labels, warnings, and posted instructions that are necessary to protect, inform and warn people of the hazard from asbestos exposure. Post in a prominent and convenient place for the workers a copy of the latest applicable regulations from OSHA, EPA, and NIOSH.

2.03 Emergency Precautions

A. Establish emergency and fire exits from the work area. Post these in the administrative area on the work site.

B. The Contractor shall be prepared to administer first aid to the injured personnel after decontamination. Seriously injured personnel shall be treated immediately or evacuated without delay for decontamination. When an injury occurs, precautions shall be taken to reduce airborne fiber concentrations (i.e. misting of the air with water) until the injured person has been removed from the work area.

C. Before the Contractor starts the removal of asbestos materials, the local police and fire departments shall be notified by the Contractor as to the danger of entering the work area. The Contractor shall make every effort to help these departments form plans of action should their personnel need to enter the contaminated area.

2.04 Submittals

A. Submit copies of the following items to the Asbestos Safety Control Monitor:

1. Security and safety logs showing names of persons entering work space, date and time of entry and exit, record of any accident, emergency evacuation, and any other safety and/or health incident.
2. Disposal Certificates.
3. Required Permits, Clearances, and Licenses.
4. All Contractor's Air Monitoring and inspection Results.

B. At the completion of the project the asbestos abatement Contractor will submit the following documentation to the Construction Manager with their invoice. This information will also be submitted to Health & Safety Services, Inc.

1. The Certificate of Acceptance/Occupancy from the local construction official.
2. A copy of all waste disposal manifests.
3. A copy of Certified Payroll for the project.

2.05 Owner/Contractor Responsibilities

A. The **Contractor** or persons employed by the CM shall clean with wet cloths and/or with HEPA vacuums as appropriate all movable items that can be removed from the work area without disrupting the asbestos material. This shall include furniture, equipment, drapes, curtains. The cloths used for cleaning shall be disposed of as asbestos contaminated waste.

B. During this period, the **Contractor** shall be responsible in all areas affected by his operation for:

1. Building Security - Fire and smoke detection systems
2. Maintaining the existing building and utility systems such as plumbing or electrical installations.
3. The **Contractor** shall provide security to prevent unauthorized entry into the work area, and maintenance of decontamination chambers, isolation barriers and negative air systems.

C. Should the failure of any utility occur, the Owner will not be responsible to the **Contractor** for loss of time or any other expense incurred.

D. The **Contractor** shall provide all digital manometers required for this project in accordance with N.J.A.C. 5:23-8, to include one (1) spare unit.

E. The **Contractor** is required to protect workers who must enter confined spaces, in accordance with 29 CFR 1910.120 (b) (1) (iv) and all applicable regulations.

F. The Owner will provide the Contractor with a list of items that cannot be removed, or are damaged prior to abatement activities.

G. The Owner will stop all deliveries that may be scheduled to the work area while work is in progress.

H. The **Owner** will have authorized personnel on site at all times or supply contractor with means of contacting such personnel without unreasonable delay. Such personnel shall have access to all areas and have knowledge of electrical and air handling equipment. Such personnel shall assist Contractor in case of any power failure or breakdown to shut down air supply systems, to reset and control all protective systems such as alarms, sprinklers, locks, etc.. The **Owner** shall insure no active air handling systems are operating within the work area.

I. The **Owner** will not occupy the building in which work is being performed during the entire asbestos abatement operation, including completion of clean up, but excluding re-insulation.

2.06 Use of Building Facilities

A. The Owner shall make available to the Contractor all required amounts of water and electric power located at the site at no charge.

B. The Owner shall provide telephone service and a telephone at the job site for use by the Contractor and the Consultant.

C. The Contractor shall provide all electrical, water, and waste connections, tie-ins, extensions, and construction materials, supplies, etc.

D. The Contractor shall provide a separate temporary GFCI electric panel board to power all equipment associated with the asbestos abatement project. The Owner shall designate an existing power box in close proximity to the work area. Contractor's licensed electrician shall provide temporary tie-in via cable, outlet boxes, junction boxes, receptacles and lights, all with ground fault interruption. All temporary electric shall be in accordance with OSHA Regulations, specifically but not limited to, 1926 Subpart K.

E. Contractor shall provide fire protection in accordance with all State and Local fire codes.

F. When temporary services lines are no longer required, they shall be removed by the Contractor. Any parts of the permanent service lines, grounds and buildings, disturbed or damaged by the installation and/or removal of the temporary service lines, shall be restored to their original condition by the Contractor, in a manner satisfactory to the Owner.

G. Contractor shall provide hot shower water necessary for use in the decontamination unit.

2.07 Use of the Premises

A. The Contractor shall confine his apparatus, the storage of materials, and supplies, and the operation of his workmen to limits established by law, ordinances, and the directions of the Owner. All flammable or combustible materials shall be properly stored to obviate fire and in areas approved by the Owner.

B. The Contractor shall assure that no exits from the building are obstructed, that appropriate safety barriers are established to prevent access, and that work areas are kept neat, clean, and safe.

C. All surrounding work, fixtures, soil lines, drains, water lines, pipes, electrical conduit, wires, utilities, railings, shrubbery, landscaping, etc. which is to remain in place shall be carefully protected and, if disturbed or damaged, shall be repaired or replaced as directed by the Owner, at no additional cost.

D. Any or all routes through the building to be used by the Contractor shall first be approved by the Owner and the Consultant.

E. Toilet facilities are available on site for the Contractors use.

2.08 Electrical Fixtures and HVAC Registers Dust Control

A. Prior to the commencement of any removal and cleaning activities, any existing lighting fixtures and ceiling suspension system shall be decontaminated using a HEPA vacuum equipped with a soft brush attachment.

B. All HVAC registers diffusers, induction units, etc. shall receive no replacements or changes. Existing fixtures shall be shut down by the Owner's personnel prior to any work in the area.

2.09 Protection and Damage

A. Replace or repair any items damaged, due to work performed under this contract, equal to their original construction and finish. Repaired or replaced items will be subject to the Owner's approval.

B. Use rubber-tired vehicles which use non-volatile fuels for conveying material inside building and provide temporary covering, as necessary, to protect floors.

C. No materials shall be thrown from windows or doors of buildings. Building waste system shall NOT be used to remove refuse.

D. Debris shall be removed from the site daily. Premises shall be left neat and clean after each work shift, so that work may proceed the next regular workday without interruption.

E. Protect floors along removal routes from damage, wear and staining.

F. Liquidated damages of $350.00 will be assessed for each day or part thereof that the Asbestos Removal permit remains open past the scheduled abatement dates.

2.10 Respiratory Systems

A. Provide all workers, foremen, superintendents, authorized visitors and inspectors personally issued and marked respiratory equipment approved by NIOSH and OSHA. When respirators with disposable filters are employed, provide sufficient filters for replacement as necessary by the worker.

B. The Contractor shall require that each person entering the Work Area wear an approved respirator and protective clothing. There shall be no exceptions to this rule.

C. Respiratory protection shall be in accordance with OSHA Regulation 1910.1001 (d), OSHA Regulation 1910.134 and ANSI z88.2-1980. Respirators chosen shall also be approved by NIOSH under the provisions of 30 CFR Part. 11.

D. Respiratory protection shall be determined by airborne fiber concentration (fibers per cubic centimeter of air).

At a minimum, respiratory protection shall be:

- 0.01 - 1.0 f/cc - Dual Cartridge, Air Purifying respirator with HEPA cartridge.
- 1.0 - 10.0 f/cc - Powered Air Purifying respirator with HEPA cartridge.
- 10.0 and above - Type C supplied air pressure demand respirator.

E. **NO ONE** is to be permitted into the work area without proper protection. No disposable dust masks shall be used at any time.

F. All personnel engaged in asbestos abatement procedures requiring an air purifying respirator shall have an unobstructed face/mask seal (i.e., no facial hair).

2.11 Protective Clothing

A. Provide to all workers, foremen, superintendents and authorized visitors and inspectors protective disposable clothing (TYVEK) consisting of full-body coveralls, head covers, gloves and 18 inch high boot type covers or reusable footwear.

B. Provide eye protection and hard hats as required by job conditions and safety regulations.

C. Reusable footwear, hard hats and eye protection devices shall be left in the "Contaminated Equipment Room" until the end of the asbestos abatement work.

D. Disposable protective clothing shall be discarded and disposed of as asbestos waste every time the wearer exits from the work space to the outside through the decontamination facility.

E. The Contractor shall also maintain sufficient supply of all other related items such as towels, soap, etc.

2.12 Air Monitoring - Contractors

A. The Contractor shall employ a certified laboratory and NIOSH certified air test technician to conduct air sampling and analysis in accordance with OSHA Regulations, 29 CFR, 1910.1001 (Asbestos Standard for General Industry), 1926.58 (Asbestos Standards for Construction), and 1910.134 (Respirator Standard).

B. The Testing Laboratory shall be a current proficient participant in the NIOSH PAT Program. The laboratory identification number shall be submitted and approved by the Consultant.

C. The Contractor shall require a competent person from his testing laboratory to perform the following functions:

1. Monitor the set up of the work area enclosure and ensure its integrity.
2. Insure that employees are adequately trained in the use of proper work practices, proper personal protective equipment and in decontamination procedures.
3. Insure that employees USE proper work practices, proper personal protective equipment and proper decontamination procedures.
4. Supervise all employee exposure monitoring. Such monitoring shall comply in all respects with OSHA Regulation 1926.58 Appendix "A".
5. Conduct air sampling as per OSHA 1926.58 and as described herein.

D. Air monitoring and inspection of the Contractor's employees shall be conducted under the supervision of the Contractor's competent person.

E. Continuous air monitoring and inspections will include work area samples, personal samples from the breathing zone of a laborer to establish 8-hour TWA's.

F. Sampling and analyses shall be performed in accordance with the NIOSH #7400 method.

G. Air sample results shall be relayed verbally to the consultant within 24 hours followed by written results posted on the job site within 48 hours after the samples have been taken. Results shall be inscribed on official letterhead.

H. All costs for required air monitoring by the contractor's competent person shall be borne by the contractor.

2.13 Contingency Plan

A. If pressure drops below 0.05"w.c.
   a) The AST and abatement supervisor shall investigate and evaluate the engineering controls to determine the source of the pressure loss
   b) The contractor shall institute corrective actions to reestablish an acceptable pressure differential

B. If pressure drops below 0.01" w.c.
   a) The contractor shall cease all abatement activities
   b) The AST shall notify the building owner to evacuate all spaces outside the work area which is pressurized to isolate it from the work area.
   c) The AST and abatement supervisor shall investigate and evaluate the engineering controls to determine the source of the pressure loss
   d) The contractor shall institute corrective actions to reestablish an acceptable pressure differential
   e) Reoccupancy will not be permitted until at least 0.05" w.c. is achieved
   f) If a the pressure differential is not established to 0.05" w.c. from 24 hours from the first reading of 0.01"w.c. the entire building shall be evacuated

C. If air levels exceed 0.01f/cc, the following procedures shall be implemented
   a) The AST and abatement supervisor shall investigate and evaluate the engineering controls to determine the source of the high air levels
   b) An additional/second air sample shall be collected at the place of elevated levels and analyzed by an outside AIHA approved laboratory. If the result is below 0.01 f/cc the contingency plan is terminated. If the result is above 0.01 f/cc the sample is to be analyzed via Transmission Electron Microscopy (TEM), if the result is above 0.01 f/cc the adjacent areas to the elevated levels shall be misted with amended water, wet wiped and HEPA vacuumed.
   c) The decision of cleaning shall be made by the ASCM and building owner
   d) Phase Contrast Microscopy (PCM) air sampling will continue until levels of 0.01 f/cc or less are achieved.
   e) If airborne levels do not achieve 0.01 f/cc or less within 24 hours of first elevated level, the entire building shall be evacuated
   f) Reoccupancy shall not be permitted until levels of 0.01 f/cc or less are achieved by either Phase Contrast Microscopy (PCM) or Transmission Electron Microscopy (TEM) analysis.

D. If a power outage occurs during abatement activities, the building occupants shall be evacuated until the air samples determine that the occupied spaces are safe, and power has been restored. If a power outage occurs while the building is unoccupied, occupancy will not be permitted until air samples determine that the spaces to be occupied are safe and the power has been restored

PART III DISPOSAL OF ASBESTOS WASTE

3.00 Disposal of Asbestos Waste

This subsection shall apply to the removal of asbestos from the job site and the disposal of asbestos waste.

All Asbestos waste is to be disposed of at a approved landfill, and a copy of the manifest is to be given to the building owner.

A. The contractor is required to give a notice 10 days prior to the disposal to the New Jersey Department of Environmental Protection, Division of Waste Management, Bureau of Field Operations. In addition, all disposal procedures must comply with CAA 112, 42 U.S.C 7412, and 40 CFR 61.156, NJAC 7:26

B. Disposal of asbestos waste shall be conducted as follows:

1. All asbestos waste materials destined for disposal shall be wetted and packaged in permanently sealed, leak tight containers (such as 6 mil plastic bags, double bagged with visible labels) before it can be transported and disposed. No hauling of loose asbestos or asbestos contaminated debris is permitted.

2. A locked, secure container shall be provided if asbestos waste is to be stored outside unattended.

C. Notify the Owner's Asbestos Consultant in writing not less than 48 hours prior to the proposed time of removing and delivery of contaminated waste to the landfill. The Owner's Asbestos Consultant may elect to observe this operation.

D. The waste hauler must possess a valid solid waste transporter registration. A licensed solid waste transporter shall be a commercial collector/hauler or shall be the removal company if they are so registered.

E. Asbestos waste can be hauled in trucks or in dumpster containers provided the load is comprised only of asbestos in bags and does not contain any other wastes which could compromise the integrity of the permanent containers.

F. If rough surfaces or other materials are present in the load which could potentially puncture the permanent containers, then those containers shall be enclosed in temporary fiber or steel drums during loading, transport and unloading operations. In addition, asbestos waste shall not be loaded into or hauled with vehicles containing collection devices.

G. Use only enclosed or covered trucks to haul impermeable containers to prevent loss or damage to containers in route to sanitary landfill.

H. Allow only sealed plastic bags or impermeable containers to be deposited in landfill. Leave damaged, broken or leaking plastic bags in the impermeable container and deposit entire container in landfill. Obtain prior approval from appropriate regulatory officials before disposing contaminated materials from high pressure vacuum collection system in the approved landfill.

I. Ensure that there are no visible emissions to the outside air from site where materials and waste are deposited.

J. Contractor may recycle uncontaminated impermeable containers.

PART IV PRODUCTS

4.00 Quality

A. Brand Names and Approved Equals

1. The contractor shall use Brand Named materials specified or an approved equal. (NEW JERSEY STATUTE 40A: 11-13 SPECIFICATIONS)

2. The contractor shall provide to the Owner and the Consultant, materials he/she plans to use during abatement activities. Changes in the submission of these materials shall be provided prior to abatement commencing. The Owner shall approve/disapprove these submissions.

3. No abatement activities shall occur prior to the Owner's consent and the Consultant's recommendation of the use of these products.

4. BRAND NAMES AND/OR DESCRIPTIONS USED IN THIS SPECIFICATION FOR BID PROPOSAL ARE TO ACQUAINT PROSPECTIVE BIDDERS WITH THE TYPE OF EQUIPMENT DESCRIBED (OR COMMODITY) AND WILL BE USED AS A STANDARD BY WHICH ALTERNATE OR COMPETITIVE MATERIALS OFFERED WILL BE JUDGED. COMPETITIVE ITEMS MUST BE EQUAL TO THE STANDARD DESCRIBED AND BE OF THE SAME REPUTATION FOR QUALITY AND WORKMANSHIP. VARIATIONS BETWEEN EQUIPMENT DESCRIBED AND MATERIAL OFFERED ARE TO BE FULLY EXPLAINED IN AN ACCOMPANYING LETTER. IN THE ABSENCE OF ANY CHANGES BY THE BIDDER, IT WILL BE PRESUMED AND REQUIRED THAT MATERIALS AS DESCRIBED IN THESE SPECIFICATIONS BE DELIVERED.

4.01 Materials

A. The wetting agent shall be BWE 5000 as manufactured by Better Working Environments Inc., of San Diego OR an equal.

B. Encapsulating material shall be bridging and/or penetrating in nature and must be applied in two coats.

C. Cement to be used to seal ends, tears and penetrations shall be fire-rated and asbestos-free.

D. Framing materials shall consist of 2 x 4 studs and sections of 5/8" plywood from first quality lumber, Fire Retardant.

E. The contractor shall use only polyethylene sheeting with a minimum thickness of 6 mil.

F. The use of drums is permissible as long as said drums contain lining that is leak-proof. The exterior of drums must have clear and permanent labeling and labeling specified by OSHA and EPA regulations.

G. All waste shall be discarded in properly labeled and 6 mil thick polyethylene double bags.

H. Asbestos warning signs shall be in English script and placed in areas as required by OSHA and the EPA.

I. All tape shall be of high quality polyethylene film tape.

J. Spray adhesive may be used.

K. Disposable clothing to be used shall be of the same composition as Dupont's Tyvek or equivalent.

L. All materials utilized on the site shall be non-combustible per NJAC 5:23-8.15e4.

4.02 Tools and Equipment

A. Asbestos filtration devices shall be equipped with HIGH EFFICIENCY PARTICULATE ABSOLUTE (HEPA) filter systems certified by the manufacturer to have an efficiency of not less than 99.97%.

B. Scaffolding is to be used when and where needed as long as its use is monitored and is safety tested and approved for such work conditions by OSHA and any other safety regulatory agency.

C. Transportation and storage equipment shall be used so that no accumulations of ACM shall occur on a daily basis. This equipment shall be constructed and registered as such to store and/or transport waste material without any threat to persons or the environment of possible contamination.

D. All vacuum equipment to be used shall use HEPA filtering systems.

PART V EXECUTION

5.00 Permits, Notifications, Licenses

A. The contractor shall present a duplicate copy of his asbestos contractors license issued by the New Jersey Department of Labor with his bid. Only licensed contractors may perform work described and required by this specification. As required by law, the contractor shall maintain on the project site a valid Contractors license.

B. The Contractor shall apply for the necessary construction permits required for the asbestos abatement project.

C. The Contractor shall maintain the required number of qualified personnel on site to complete project on schedule.

NOTE: ALL CONTRACTOR EMPLOYEES MUST POSSESS A VALID NJ ASBESTOS REMOVER/LABORER'S PERMIT AND MAKE AVAILABLE TO THE OWNER, CONSULTANT, NJ DCA, NJ DOL, NJ DOH AND AST THESE PERMITS UPON REQUEST AT THE PROJECT SITE. ALL EMPLOYEES MUST HAVE A MINIMUM OF AT LEAST SIX (6) MONTHS EXPERIENCE IN ASBESTOS ABATEMENT IN THE STATE OF NEW JERSEY.

D. The contractor shall also present to the AST, Owner, and Consultant prior to the commencement of abatement, proof that a NJ DEP Registered Waste Hauler Permit exists. NO PRECOMMENCEMENT INSPECTION SHALL TAKE PLACE UNTIL SUCH PROOF EXISTS AND IS SATISFACTORY TO THE NJ DCA, THE ASCM/AST, THE OWNER AND THE CONSULTANT.

E. At the completion of the project the asbestos abatement Contractor will submit the following documentation to the owner with their invoice. This information will also be submitted to the owners representative, Health & Safety Services, Inc..

1. The Certificate of Acceptance/Occupancy from the local construction official.

2. A copy of all waste disposal manifests.

5.01 Inspections

A. The AST will perform inspections throughout the entire asbestos abatement project. The AST inspections are as follows:

1. Precommencement inspections by the AST will occur prior to each phase of abatement. The AST will observe and will check compliance of the following:

a. critical/separation barriers in place
b. AFD units in place and operating
c. notifications, variances, permits and licenses in place
d. waste container on site and labeled
e. OSHA signs posted
f. emergency plans and numbers posted
g. decontamination chamber in place and operating
h. poly on walls and floor and ceiling.
i. proper supplies of bags, suits, filters, towels, masks and other equipment
j. proper discontinued use of HVAC systems
k. ground fault interrupters are in place outside of the work area and operable

2. Progress Inspections by the A.S.T. will occur a minimum of twice per work shift at random times - per NJ sub chapter 8 rules and regulations.

3. Cleanup inspections will occur as work progresses to ensure that the work area is clean and that no asbestos containing materials are left exposed. Equipment must also be placed in an orderly fashion to promote means of ingress and egress.

4. Pre-sealant inspections shall take place after all exposed surfaces have been wet-wiped and are found cleaned. The contractor shall notify the AST that an inspection is requested 48 hours prior to the actual inspection time. The AST shall, in writing, notify the contractor and Owner of the results of the inspection.

5. The AST shall perform a final visual inspection after being notified that such an inspection is requested at least 24 hours in advance. NO FINAL VISUAL INSPECTION SHALL TAKE PLACE IMMEDIATELY AFTER ANY WET CLEANING.

B. During any inspection by State or Federal agencies, the Contractor must have a supervisor present.

C. The New Jersey Department of Community Affairs and the New Jersey Department of Labor are authorized to make unannounced and periodic inspections during the entire abatement process to observe AST and Contractor compliance with applicable statutes.

D. The Consultant, Health & Safety Services, Inc., will also make random and periodic inspections to observe contractor compliance with specifications and statutes. Directives from the consultant shall be given to the AST to be forwarded to the contractor.

5.02 Decontamination Facilities and Procedures

A. DECONTAMINATION CHAMBER

1. The decontamination facility shall be constructed of 2"x 4"x 8' wooden framing covered with two layers of 6-mil poly sheeting on all sides.
2. Airlocks shall be installed between contaminated area, equipment room, shower room, and clean room. Air locks shall consist of three layers of 6 mil. poly each and shall be alternately secured. Each airlock shall be weighted down.
3. All individual chambers shall be at least 4 feet square to allow access with a stretcher in the event of emergencies.
4. The shower shall have both hot and cold water receptacles, liquid shampoo and liquid soap, both in plastic containers, so that workers and visitors can decontaminate prior to entering the clean room.
5. The contractor shall provide all connections for water and electrical hook-ups necessary to perform the work described in this specification.
6. The clean room shall contain an area where street clothes, towels, and cleaned respirators can be stored. The Contractor shall maintain an adequate supply of towels and soap for visitors and inspectors at all times.
7. The equipment room shall be provided by the contractor where work materials, footwear, and contaminated work clothing can be stored.
8. The decontamination chamber shall be located in the area as defined in the diagrams.
9. During abatement operations, the Contractor shall be allowed to use the decontamination chamber for waste egress.

B. DECONTAMINATION SEQUENCE - PERSONAL

1. ALL workers and visitors who will enter the work area shall remove all street clothes, put on clean overalls, and respirators while in the clean room. The person will then proceed through the showers and dirty (equipment) room and enter the work area.
2. Before leaving, the worker will remove all gross contamination with the use of HEPA vacuums. With the help of another worker, the person shall remove disposable TYVEK clothing. Contaminated clothing shall be placed in labeled poly bags and left in the work area until completion of the project.
3. The worker then proceeds to the shower room. Respiratory protection shall still be worn while showering. Such protection shall be removed after the person has completely showered to prevent inhalation of asbestos fibers.
4. After showering the person moves to the clean room and dresses in either new coveralls for re-entry, or street clothes if leaving.
5. NO EATING, DRINKING, SMOKING OR CHEWING SHALL OCCUR IN THE WORK AREA OR DECONTAMINATION CHAMBER.
6. No footwear that is not readily cleanable, shall remain in the equipment room and, at the end of the project, will be discarded as contaminated waste.
7. NO EXCEPTIONS TO THESE DECONTAMINATION PROCEDURES WILL BE ALLOWED!!!

APPLICATION FOR CERTIFICATE

Permit #
Date Issued
- or -
Control #
Certificate Application Received:
Certificate Issued:

IDENTIFICATION

Work Site Location St. Dominic Elementary School-Basement

Block _____ Lot _____ Qualification Code _____

Contractor Resource Management Group, LLC

Owner in Fee Church of St. Dominic

Address PO Box 373, Lumberton, NJ 08048

Address 250 Old Squan Road

Tel. (609) 914-4279

Tel. (732) 840-1410

License No. 01185

Federal Employee No. 273520274

ACTION

- ☐ CERTIFICATE OF OCCUPANCY
- ☐ CERTIFICATE OF CONTINUED OCCUPANCY
- ☐ LEAD HAZARD ABATEMENT CERTIFICATE OF CLEARANCE
- ☐ TEMPORARY CERTIFICATE OF OCCUPANCY

USE GROUP _____ Previous _____ Current

FINAL COST OF CONSTRUCTION: $ $85,950

(Include value of any new structure, all on-site improvements, built-in furnishings and fixtures and all integral equipment exclusive of process or manufacturing equipment.)

Describe below any substantive deviation in dimension, lay out or appearance of the building or structure from the released plans and specifications filed with the construction permit application. Please note, a set of amended drawings may be required.

If you are requesting a Temporary Certificate of Occupancy, please explain why in the space below.

DESCRIPTION OF WORK/USE:
Removal & Disposal of the following:
- 300 LF of pipe insulation
- 150 CF of firebrick
- 87 Fittings

I hereby attest that to the best of my knowledge, the completed project meets the conditions of the construction permit and all prior approvals, and all work has been completed substantially in accordance with the code and with those portions of the plans and specifications controlled by the code, with any substantial deviations noted. Incomplete items listed on a Temporary Certificate of Occupancy will be completed by the date on the Certificate.

SIGNED: _____ OWNER/AGENT

☐ OWNER ☒ AGENT

CONSTRUCTION PERMIT

Date Issued 5-18-20
Control # C-20-001298
Permit # 05-11-20

IDENTIFICATION Block: 1091 Lot: 5 Qualifier

Work Site Location: 250 OLD SQUAN RD. Brick Township, NJ

Owner in Fee: ST DOMINICS R C CHURCH
250 OLD SQUAN RD BRICK NJ 08724

Telephone: (732) 840-1410

Contractor: RESOURCE MANAGEMENT GROUP LLC
Address: 3224 SYLON BLVD HAINESPORT NJ 08036

Telephone: (609) 914-4279
Lic. No. or Bldrs. Reg. No. 01185
Federal Employee. No.

Is hereby granted permission to perform the following work:

- [x] BUILDING
- [ ] PLUMBING
- [ ] LEAD HAZARD ABATEMENT
- [ ] ELECTRICAL
- [ ] FIRE PROTECTION
- [ ] DEMOLITION
- [ ] ELEVATOR DEVICES
- [x] ASBESTOS ABATEMENT (Subchapter 8 only)
- [ ] OTHER

DESCRIPTION OF WORK:

ALTERATION - COMMERCIAL - ST. DOMINIC SCHOOL ...ASBESTOS REMOVAL

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work $85,950

D. Thurman 5/18/20
Construction Official Date

U.C.C. F170
equiv (rev 1/04)

PAYMENTS (Office Use Only)

Building	$150
Electrical	$0
Plumbing	$0
Fire Protection	$0
Elevator Devices	$0
Other	$0.00
DCA Training Fee	$0
CO Fee	
Other	$0
Total	$150
Check No.	
Cash	$0
Credit	$0
Collected By	

1 WHITE - INSPECTOR 2 CANARY - OFFICE **3 PINK - TAX ASSESSOR** 4 GOLD - APPLICANT

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

- [x] Required inspections for all subcodes for one- and two-family dwellings are as follows:
  1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
  2. Foundations and all walls up to grade level prior to back filling.
  3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
  4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

  Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

- [ ] Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

- [x] A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

- [x] A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.

Resource Management Group, LLC

May 8th, 2020

Brick Building Inspection
401 Chambersbridge Road
Brick Township, NJ 08723

Re: Check for Permit: St. Dominic Elementary School

Please see the enclosed check in the amount of $150.00, check #3141 for the permit for St. Dominic Elementary School.

Please don't hesitate to contact me if you need anything else at all.

Thank you for your assistance!

Lisa Stafford
Resource Management Group, LLC
3224 Sylon Boulevard
Hainesport, NJ 08036

Resource Management Group, LLC

May 5th, 2020

Attention: Nicole
Brick Building Inspection
401 Chambersbridge Road
Brick Township, NJ 08723

Re: Permit Documents: St. Dominic Elementary School

Hi Nicole:

Per your request, please see the enclosed permit forms printed in Landscape.

Our physical mailing address is:

Resource Management Group, LLC
3224 Sylon Boulevard
Hainesport, NJ 08036

Please don't hesitate to contact me if you need anything else at all Nicole.

Thank you for your assistance!

Lisa Stafford

Resource Management Group, LLC
2115 Hamilton Ave, Suite 202, Trenton, NJ 08619
Phone 609-914-4279 Fax 609-914-4651

APPLICATION FOR CERTIFICATE

Permit #
Date Issued
- or -
Control #
Certificate Application Received:
Certificate Issued:

IDENTIFICATION

Work Site Location St. Dominic Elementary School-Basement
Block _____ Lot _____ Qualification Code _____
Contractor Resource Management Group, LLC
Owner in Fee Church of St. Dominic
Address PO Box 373, Lumberton, NJ 08048
Address 250 Old Squan Road
Tel. (609) 914-4279
Tel. (732) 840-1410
License No. 01185
Federal Employee No. 273520274

ACTION

- ☐ CERTIFICATE OF OCCUPANCY
- ☐ CERTIFICATE OF CONTINUED OCCUPANCY
- ☐ LEAD HAZARD ABATEMENT CERTIFICATE OF CLEARANCE
- ☐ TEMPORARY CERTIFICATE OF OCCUPANCY

USE GROUP _____ Previous _____ Current

FINAL COST OF CONSTRUCTION: $ $85,950

(Include value of any new structure, all on-site improvements, built-in furnishings and fixtures and all integral equipment exclusive of process or manufacturing equipment.)

Describe below any substantive deviation in dimension, lay out or appearance of the building or structure from the released plans and specifications filed with the construction permit application. Please note, a set of amended drawings may be required.

If you are requesting a Temporary Certificate of Occupancy, please explain why in the space below.

DESCRIPTION OF WORK/USE:
Removal & Disposal of the following:
- 300 LF of pipe insulation
- 150 CF of firebrick
- 87 Fittings

I hereby attest that to the best of my knowledge, the completed project meets the conditions of the construction permit and all prior approvals, and all work has been completed substantially in accordance with the code and with those portions of the plans and specifications controlled by the code, with any substantial deviations noted. Incomplete items listed on a Temporary Certificate of Occupancy will be completed by the date on the Certificate.

SIGNED: _____
OWNER/AGENT

☐ OWNER ☒ AGENT

U.C.C. F270 (rev. 8/2011)

STATE OF NEW JERSEY
DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF PUBLIC SAFETY & OCCUPATIONAL SAFETY & HEALTH
ASBESTOS CONTROL & LICENSING SECTION

Asbestos License

License Number: 01185

THIS LICENSE has been issued in accordance with and is subject to the provisions of the Asbestos Control and Licensing Act, N.J.S.A. 34:5A - 32 et seq.

Employer: Resource Management Group LLC

Address: 2115 Hamilton Ave Ste 202
Trenton, NJ 08619-3600

Responsible Individual: Brian J. Haney

Type: Type "A" LICENSE to perform any type of asbestos work

This license is VALID ONLY FOR THE EMPLOYER NAMED HEREIN and must be readily available at the work site for inspections by the Commissioners of Labor and Workforce Development and Health & Senior Services and the contracting agency.

Issue Date: 09/18/2018
Expiration Date: 09/19/2020

Commissioner

State of New Jersey
NOTIFICATION OF ASBESTOS ABATEMENT
(Pursuant to N.J.A.C. 8:60 and 12:120)

Date of Notification (1) 05/01/2020		Name of Building Owner / Operator (2) Church of St. Dominic	
Agencies Notified ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☒ DCA	Type Notification ☒ Initial ☐ Amended ☐ Emergency ☐ Cancellation	Street Address 250 Old Squan Road City, State & Zip Code Brick Township, NJ 08724	
		Name of Contact Rev. Brian P. Woodrow	Telephone Number 732-840-1410

FACILITY INFORMATION

Name of Facility Where Abatement is Taking Place (3) St. Dominic Elementary School			Type of Facility (4) ☐ School (K-12) ☒ Subchapter 8 (Other than K-12) ☐ Other (i.e. private & commercial buildings, homes, etc.)		
Street Address 250 Old Squan Road			Square Feet 81,248	# of Floors 2	Bldg. Age 50
City (5) Brick Township	County (6) Ocean	County Code (7)	Current Use (Prior if being demolished) School		
Name of Monitoring Firm Hired by Building Owner (8) **Health & Safety Services**		ASCM No.	Name of Abatement Contractor (9) Resource Management Group, LLC		
Street Address **P.O. Box 365**			Street Address 2115 Hamilton Ave, Suite 202		
City, State & Zip Code **Berlin, NJ 08009**			City, State & Zip Code Trenton, NJ 08619		
Project Manager for Monitoring Firm Mr. Jim Proctor		Telephone Number 856-839-2432	Telephone Number 609-977-6159		License Number 01185
Scheduled Start Date (10) 05-18-2020	Scheduled Completion Date (11) 06-15-2020		Name of OSHA Monitor J&S Environmental Laboratories, Inc.		
Occupancy Status During Abatement (Check only one) ☐ Facility Closed/Vacated During Entire Period of Abatement ☒ Abatement Performed During 1st Shift Describe: 8AM-5PM ☐ Facility Occupied During Abatement			Street Address 2333 Route 22 West City, State & Zip Code Union, NJ 07083		

Scope of Work (Check all that apply)

☐ ≥3 sf or ≥3 lf
☒ ≥160 sf ≥260 lf
☒ Renovation
☐ Demolition
☒ Full Containment with Negative Pressure
☐ Mini-Enclosure
☐ Glove Bag Procedures/Cut & Wrap
☐ Non-Exempted and Non-Friable Procedure

Location of Asbestos-Containing Material (ACM) TO BE ABATED in Facility (13)	Is Location Normally Used Solely by Maintenance or Custodial Staff? (12) Yes	No	N/A	Description of Asbestos-Containing Material (ACM) (i.e., thermal systems insulation, surfacing, VAT or other miscellaneous)	Amount (Specify SF or LF)	Abatement Type: Removal	Repair	Encapsulate	Enclosure
Basement	☐	☐	☒	**300 LF**	**Pipe Insulation**	☒	☐	☐	☐
Basement	☐	☐	☒	**150 Cubic Feet**	**Firebrick**	☒	☐	☐	☐
Basement	☐	☐	☒	**87**	**Fittings**	☒	☐	☐	☐
	☐	☐	☐			☐	☐	☐	☐
	☐	☐	☐			☐	☐	☐	☐
	☐	☐	☐			☐	☐	☐	☐

Name of Registered Waste Hauler Resource Management Group, LLC	NJDEP Waste Hauler ID No. 0035218	Cubic Yards of Waste TBD	Name of Registered Landfill Grows Landfill
City, State Trenton, NJ		Disposal Date TBD	City, State Morrisville, PA

Completed By (Print or Type) Mr. Brian J. Haney	Title President	Signature Brian Haney	Date 05/01/2020

State of New Jersey
DEPARTMENT OF COMMUNITY AFFAIRS
101 SOUTH BROAD STREET
PO BOX 821
TRENTON, NJ 08625-0821

PHILIP D. MURPHY
Governor

LT. GOVERNOR SHEILA Y. OLIVER
Commissioner

CERTIFICATE OF REAUTHORIZATION

March 2, 2020

Health & Safety Services, Incorporated
P.O. Box 365
Berlin, NJ 08009

Dear James Proctor:

This is to certify that the Department of Community Affairs has reauthorized your firm to act as an **ASBESTOS SAFETY CONTROL MONITOR.**

Your **ASBESTOS SAFETY CONTROL MONITOR** number is: **00117**

EFFECTIVE DATE: **MARCH 2, 2020**

EXPIRATION DATE: **SEPTEMBER 30, 2020**

Pursuant to N.J.A.C. 5:23-8.11(h)2, quarterly fee statements must be sent to this Department no later than one month after the close of each quarter. Please be further advised that the monies obtained from the preparation of plans and specifications and payments for laboratory services shall not be included in the calculation of the quarterly fees. **If no payments are received during any quarter, you must submit a zero statement to this Department.**

Sincerely,

Tex Falajiki

O. Tex Falajiki
Supervisor,
Asbestos Safety Unit

HEALTH & SAFETY SERVICES, Inc.

PO Box 365 • Berlin, NJ 08009 • (856) 452-1311 • info@hssenv.com

Indoor Air Quality • Asbestos & Lead Management • Site Assessments

TECHNICAL SPECIFICATIONS

for

ASBESTOS ABATEMENT AND BOILER DEMOLITION

at the

ST. DOMINICS CATHOLIC SCHOOL

250 OLD SQUAN RD #1, BRICK TOWNSHIP, NJ 08724

Prepared By:

Health & Safety Services, Inc.
PO Box 365
Berlin, NJ 08009
856-452-1311
NJ ASCM # 117

FILE COPY

AHERA Project Designer
James J. Proctor

TOWNSHIP OF BRICK
RELEASED FOR PERMIT INITIAL MCK DATE 05/07/20
Building Subcode
Plumbing Subcode
Fire Subcode
Electrical Subcode
Plan Reviewer
Plans Released
Construction Official

FILE COPY

HEALTH & SAFETY SERVICES, Inc.

PO Box 365 • Berlin, NJ 08009 • (856) 452-1311 • info@hssenv.com

Indoor Air Quality • Asbestos & Lead Management • Site Assessments

SCOPE OF WORK

FULL CONTAINMENT WET REMOVAL of asbestos containing insulation related to boiler demolition inside the boiler room. Work area to be placed under negative pressure full containment with construction of (3) three stage Decontamination Chamber. NJ Sub-Chapter 8 Regulations apply. Quantities are as follows:

- 300 LF Fiberglass insulation
- 250 SF Boiler Breeching
- 100 pipefittings
- 2 Boilers, 32 sections per boiler and associated brick.

LIMITED CONTAINMENT WET REMOVAL of approximately 60 hardpack pipefittings associated with fiberglass insulation located in front section of boiler room. removal of fittings is to be completed via limited containment work area with glove bags. Clearance to be completed via Phase Contrast Microscopy.

SPECIAL CONDITIONS Asbestos abatement projects involving ceiling tile and T-grid components, elevators, carpet, contaminated soil and projects in tunnels, crawl spaces, plumbing access panels, and/or involving live electrical panels or live steam lines are likely to present unique conditions that will require special precautions in addition to the procedures described in this section. In instances where special precautions need to be instituted, they shall be described in plans and specifications approved by the asbestos safety control monitor firm.

the following special conditions exist:

- Live electric exists in the building, caution is to be used around electrical lines. Adjacent to the containment area is 3 separate electric panels, the panels are to be framed out and covered with plywood and kept outside the containment area.

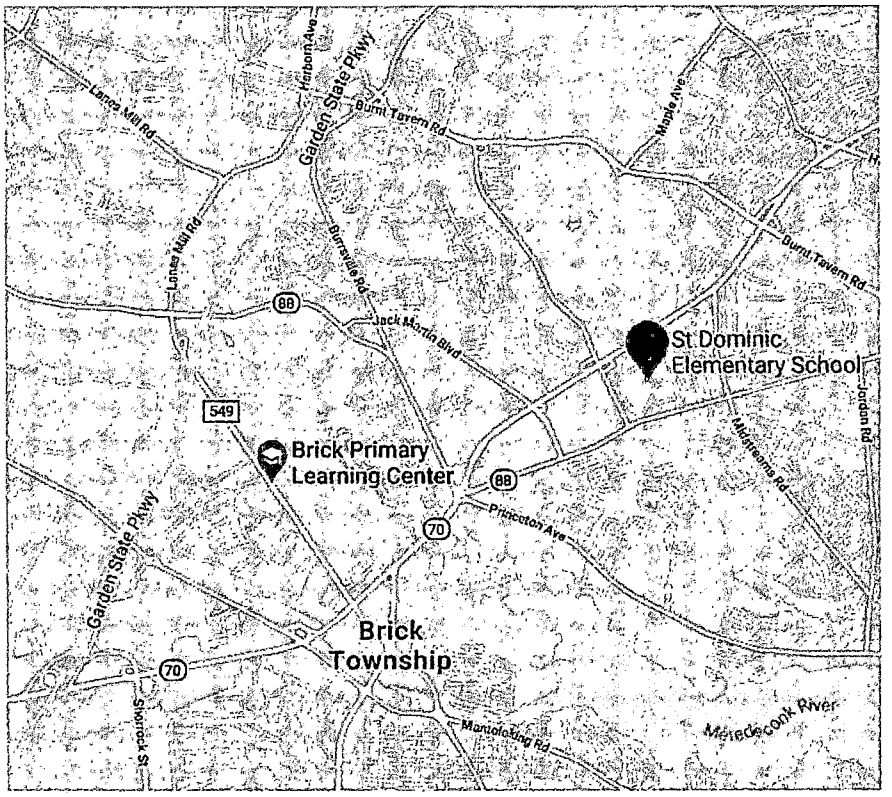
CRITICAL BARRIERS to be sealed with double layer of 6 Mil Fire Rated Poly. The contractor is to use a separate entrance to access the boiler room.

AIR FILTRATION DEVICES are to be HEPA filtered and exhaust outside of building.

WASTE LOADOUT is to be completed at times of least occupancy of the building.

CONTRACTOR TO SUPPLY at least 3 HEPA Filtered negative air units to maintain 4 air exchanges every hour, also a negative pressure differential of at least 0.03" w.c. must be maintained during full containment abatement. A digital print-out manometer shall be placed in the clean room of decontamination chamber and a separate digital printout manometer in the waste decon. Negative pressure differential to be maintained and monitored from start of removal to acceptable final air clearance, that will be analyzed by (T.E.M.) Transmission Electron Microscopy, 24 HR TAT.

School Location



[redacted]

PART I GENERAL

1.00 Instructions to Bidders

A. By submitting a bid, the bidder acknowledges that he has investigated and satisfied himself as to:
   1. The conditions affecting the work, including but not limited to physical conditions of the site which may bear upon site access, handling and storage of tools and materials, access to water, electric, or other utilities or otherwise affect the performance of required activities;
   2. The character and quantity of all surface and subsurface materials or obstacles to be encountered in so far as this information is reasonably ascertainable from an inspection of the site, including exploratory work done by the building owner or a designated consultant, as well as information presented in drawings and specifications included with this contract.

B. Any failure by the bidder to acquaint himself with available information will not relieve him from the responsibility for estimating properly the difficulty or cost of successfully performing the work. The building owner is not responsible for any conclusions or interpretations made by the bidder on the basis of the information made available by the building owner.

C. No bid will be accepted from any bidder who has not inspected the job site either in person or through a qualified representative.

D. Should the bidder find any discrepancies in the plans and/or specifications or should he doubt the meaning or intent of any part thereof, he must, no later than five (5) days prior to the bid opening, request clarification from Health & Safety Services, Inc. Conflicts between contract documents and applicable Federal, State, or Local regulations or requirements shall be included in a clarifications statement. Failure to request such clarification is a waiver to any claim by the bidder for expense made necessary by reason of later interpretation of the contract documents by the building owner and/or Health & Safety Services, Inc.

1.01 Access to Work Site and Hours of Work

A. All arrangements for access to the work site shall be made through the Owner's Representative.

B. The contractor must start work on the agreed upon start date and continue uninterrupted with a full work force until project is complete.

1.02 Notifications

A. The contractor shall notify the following agencies in writing ten (10) days prior to the each start of the asbestos removal project. The Contractor must submit a copy of notice to Health &

Safety Services, Inc., prior to the application for the asbestos abatement permit from the State of New Jersey Department of Community Affairs, Trenton; the contractor is responsible for permit application.

1. US Environmental Protection Agency
   Asbestos NESHAPS Contracts
   Air & Hazardous Material Division
   26 Federal Plaza
   New York, New York 10007
   P/ (212) 637- 4052
   F/ (212) 637-3398 or 4035

2. New Jersey Department of Community Affairs
   Bureau of Construction Code Enforcement
   CN 816
   Trenton, New Jersey 08625
   P/ (609) 530-8812
   F/ (609) 530-8858

3. New Jersey Department of Health
   Asbestos Control Project
   CN 360
   Trenton, New Jersey 08625
   P/ (609) 984-2193
   F/ (609) 984-2192

4. State of New Jersey
   Department of Environmental Protection
   Division of Solid Waste Management
   CN 414
   Trenton, New Jersey 08625-0414
   P/ (609) 292-7081
   F/ (609) 777-0769

5. New Jersey Department of Labor
   225 East State Street
   PO Box 392
   Trenton, NJ 08625-0392
   (609) 292-2516

Notification to the agencies in Section A above shall be on the required forms (where applicable) and include the following information:

1. Name and address of owner of building.
2. Name and address of the operator of the building.
3. Name and address of contractor.
4. Address and description of the building, including size, age and prior use of the building or area, and amount of friable asbestos material present in square feet and/or linear feet, as applies. Designate room numbers and other locations information unless entire building is involved.
5. Scheduled starting and completion dates for removal.
6. Procedures and equipment (including ventilating system) that will be employed to comply with 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants.
7. The name and address of the Department of Environmental Protection registered waste hauler and of the Department of Environmental Protection registered landfill where the asbestos waste will be deposited. Such landfill should also comply with 40 CFR Part 61.

8. The name and address of the Monitoring Firm to perform air monitoring on behalf of the contractor's employees.
9. Contractor shall obtain all permits and certificate of Occupancy.

B. The contractor shall notify the Owner's Asbestos Safety Monitoring Firm in writing at least 48 hours prior to commencement of any preparation of work.

1.03 Documentation of Worker's Qualifications

A. The contractor shall post the names, signatures, and photocopies of state issued licenses for all workers to be doing asbestos removal work on the job site. In addition, contractor must display a sign in letters larger than 4 inches tall indicating, "Licensed by the State of New Jersey for Asbestos Work". N.J.S.A 34:5A-32 et seq.

B. The contractor shall comply with all applicable requirements of 40 CFR Part 61, "Accepted Engineering Practices", and N.J.A.C. 5:23-8.

1.04 Air Monitoring & Inspections

A. The contractor is responsible for all OSHA required air monitoring for his employees.

B. Air monitoring and visual inspection in the adjacent to the work area will be conducted throughout the abatement project by the Owner's air monitoring technician and/or the Owner's representative in accordance with these specifications.

C. The Contractor shall provide the required respirators and protective clothing to all workers, and to all official representatives of the State, Federal government of other designated party who may inspect the job site.

D. The Contractor shall cooperate fully with all aspects of the air monitoring programs which are conducted by the independent air monitoring consultant.

1.05 Definitions

A. The following words, terms and abbreviations when used in this document shall have the following meanings unless the context clearly indicates otherwise.

1. **Abatement** - procedures to decrease or eliminate fiber release from precast, spray or trowel applied asbestos-containing building materials. Includes encapsulation, enclosure and removal.
2. **Airlock** - system for permitting ingress or egress without permitting air movement between a contaminated area and an uncontaminated area, typically consisting of two curtained doorways at least three feet (one-meter) apart.
3. **Air Monitoring** - the process of measuring the fiber content (fibers of a specified size range) of a specific volume of air in a stated period of time.
4. **Amended Water** - water to which a wetting agent is added. The wetting agent is a combination of chemicals which aids in the penetration of the material and increases the probability of individual fiber wetting.
5. **Asbestos** - a general term used to describe a group of naturally occurring hydrated mineral silicates. Including but not limited to the asbestos form varieties chrysotile (serpentine), crocidolite (riebeckite), amosite (cummingtonite-grunerite), anthophyllite, tremolite and actinolite.
6. **Asbestos Containing Material (ACM)** - any material which contains more than 1 percent asbestos by weight.
7. **Asbestos Safety Technician (AST)** - a person certified by the New Jersey Department of Community Affairs, hired by an Asbestos Safety Control Monitor who continuously monitors and inspects the asbestos abatement work pursuant to N.J.A.C. 5:23-8 and these specifications.
8. **Authorized Personnel** - The owner, the owner's representative, asbestos abatement contract personnel, asbestos safety control monitor personnel, emergency personnel, or a representative of any Federal, State, or Local regulatory agency, or other personnel under contract for, or having jurisdiction over the project.
9. **Barrier** - polyethylene sheeting that completely seals off the work area to prevent contamination of the surrounding area.
10. **Breathing Zone** - A hemisphere forward of the shoulders with a radius of approximately six to nine inches.
11. **Building Owner** - The Owner, or his authorized representative.
12. **Category 1 Non-Friable Asbestos Containing Material (ACM)** - Asbestos containing packing, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos, as determined using the method specified in Appendix A, Subpart F of 40 CFR Part 763, Section 1; Polarized Light Microscopy.
13. **Category 2 Non-Friable Asbestos Containing Material (ACM)** - Any material , excluding Category 1 Non-Friable Asbestos Containing Material as determined using the method specified in Appendix A, Subpart F of 40 CFR Part 763, Section 1; Polarized Light Microscopy. This material, when dry, can not be crumbled, pulverized, or reduced to powder by hand pressure.
14. **Certificate of Completion** - The certificate issued by the Asbestos Safety Control Monitor signifying that the asbestos hazard abatement work has been completed in conformance with NJAC 5:23-8 and/or these specifications.
15. **Clean Room** - an uncontaminated area or room which is part of the worker decontamination enclosure system, with provisions for storage of workers' street clothes and protective equipment. Also referred to as Change Room.
16. **Competent Person** - in addition to the definition in 29 CFR 1926.32 {f}, one who is capable of identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy for asbestos exposure and who has the authority to take prompt corrective measures to eliminate them, as specified in 29 CFR 1926.32 {f}.
17. **Construction Permit for Asbestos Abatement** - requires official approval to commence any asbestos hazard abatement job.
18. **Contractor** - the Asbestos Removal Contractor licensed by the New Jersey Department of Labor.
19. **Critical Barrier** - two layers of 6 mil polyethylene sheeting that completely seals off the work area to prevent the distribution of fibers to the surrounding area, such as the opening between the top of non-removable lights,

HVAC systems, windows, doorways, entrance ways, ducts, grilles, grates, diffusers, wall clocks, speaker grilles, floor drains, sink drains, etc..

20. **Curtained Doorway** - a device to allow ingress or egress from one room to another while minimizing air movement between the rooms. Typically constructed by placing three overlapping sheets of plastic over an existing or temporarily framed doorway and securing each along the top of the doorway, with the vertical edge of one along one vertical side of the doorway and the vertical edge of the other along the opposite vertical sides. Two curtained doorways spaced a minimum of three feet (one meter) apart form an airlock.
21. **Decontamination Enclosure System** - a series of connected rooms, with curtained doorway between any two adjacent rooms, for the decontamination of workers or of materials and equipment. A decontamination enclosure system always contains an airlock.
22. **Demolition** - The actual destruction and removal of a building, or part of a building, without the intent to renovate, repair, or replace. If it is later decided to retain the building, or part of the building, for future use, the project shall not be considered demolition and the criteria for reoccupancy shall be 0.010 fibers per cubic centimeter of air (f/cc).
23. **Disposal Bag** - Six-Mil thick leak tight plastic bags used for transporting asbestos waste from work site to disposal site. Each disposal bag will be labeled as follows:
24.

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD
AVOID BREATHING AIRBORNE ASBESTOS FIBERS
AND
ASBESTOS NA 2212, RQ

Each bag shall contain the U.S. DOT Class 9 (miscellaneous) hazardous material label. Contractor shall also label all disposal bags and/or containers with the name of the waste generator (Owner) and the location from which the waste was generated; all in accordance with the EPA NESHAPS regulation, 40 CFR Part 61, Subpart M.

25. **Employee** - an asbestos abatement worker having proper training, instruction and licensing.
26. **Encapsulation** - treatment of asbestos containing materials, generally ceilings, using a liquid to bond or seal the surface to minimize the potential for fiber release.
27. **Enclosure** - the construction of an airtight, impermeable, permanent barrier around asbestos-containing material to control the release of asbestos fibers into the air.
28. **Equipment Decontamination Enclosure System** - a decontamination enclosure system for materials and equipment, typically consisting of a designated area of the work area, a washroom and an uncontaminated area.
29. **Equipment Room** - a contaminated area or room which is part of the worker decontamination enclosure system, with provisions for storage of contaminated clothing and equipment.
30. **Flame-Resistant Polyethylene Sheeting**- a single polyethylene film in the largest sheet size possible to minimize seams, normal six mils thick, conforming to requirements set forth by the National Fire Protection Association Standard 701, Small Scale Fire Test for Flame-Resistant Textiles and Films.
31. **Friable** - any material which when dry may be crumbled, pulverized, or reduced to a powder by hand pressure or mechanical means.
32. **Fixed Object** - a unit of equipment or furniture which cannot be removed from the work area(s).
33. **Limited Containment (Glove Bag) Technique** - a method with limited applications for removing small amounts for friable asbestos containing material from HVAC Ducts, pipe runs, pipe joints, and other non-planar surfaces in a non-contained (plasticized) work area. The glovebag is constructed and installed in such a manner that it surrounds the object or material to be removed and contains all asbestos fibers released during the process. All workers are permitted to use the glovebag technique, provided that they are highly trained, experienced, and skillful in the method.
34. **HEPA Filter** - a High Efficiency Particulate Air filter capable of trapping and retaining 99.97 percent of asbestos fibers greater than 0.3 microns in length.

35. **HEPA Vacuum**- a High Efficiency Particulate Air filter vacuum cleaner, capable of trapping and retaining 99.97 percent of asbestos fibers greater than 0.3 microns in length.
36. **Holding Area** - a chamber between the washroom and uncontaminated area in the equipment decontamination enclosure system. The holding area is comprised of an airlock.
37. **HVAC** - Heating, Ventilation and Air Conditioning system.
38. **Moveable Object** - a unit of equipment or furniture in the work area(s) which can be removed from the work area(s).
39. **Negative Pressure** - air pressure lower than surrounding areas, generally caused by exhausting air from a sealed space (work area).
40. **NIOSH** - National Institute for Occupational Safety and Health.
41. **Occupied Building** - A building or structure where occupancy is permitted in certain areas outside of the required containment during an asbestos hazard abatement project.
42. **Plastic Sheeting** - polyethylene sheet material, of the thickness indicated.
43. **Protection Factor** - the ratio of the ambient concentration of an airborne substance to the concentration of the substance inside the respirator at the breathing zone of the wearer. The protection Factor is a measure of the degree of protection provided by a respirator to the wearer.
44. **Removal** - the act of properly eliminating and disposing asbestos containing or contaminated materials from a building.
45. **Repair** - corrective action using recommended work practices to minimize the likelihood of fiber release from small damaged areas of ACM.
46. **Respirator** - a device designed to protect the wearer from inhaling harmful atmospheres.
47. **Sealant** - a liquid or solution to be used as a binding agent, such as a diluted encapsulant or a water based paint, on dried exposed surfaces from which asbestos-containing material has been removed. The color of the coat shall be separate and distinct from the underlying substrate.
48. **Separation Barrier** - a constructed wall with no door that separates the clean area from the work area having a fire rating, if applicable and does not interfere with the means of egress. Polyethylene sheeting (minimum 2 layers of 6 mil) shall be placed on the work site of the barrier so that it completely seals off the work area to prevent the distribution of fibers to the surrounding area.
49. **Shower Room** - a room constituting an airlock, between the clean room and the equipment room in the worker decontamination enclosure system, with hot and cold or warm running water suitable arranged for complete showering during decontamination. The shower room always comprises on airlock.
50. **Surfactant** - a chemical wetting agent added to water to improve penetration of the ACM. Surfactants are used to ensure that all Asbestos Containing Materials are thoroughly wet before removal.
51. **Wet Cleaning** - the process of reducing asbestos contamination in a building by using cloths, mops, or other cleaning tools which have been dampened with amended water to decontaminate the area and by disposing these cleaning tools as asbestos contaminated waste.
52. **Washroom** - a room between work area and the holding area in the equipment decontamination enclosure system. The washroom comprises an airlock.
53. **Work Area** - the place in a building which asbestos abatement occurs.
54. **Worker Decontamination Enclosure System** - a decontamination enclosure system for workers, typically consisting of a clean room, a shower room and an equipment room.

1.06 Personnel Requirements and Training

A. All of the Contractor's workers must have valid training, a minimum of one years experience in asbestos abatement and a current asbestos workers permit as issued by the State of New Jersey, and shall comply with all applicable requirements of N.J.S.A. 34:5A-32 et seq. and 29 CFR 1926.58(k)(3), as well as other non-training requirements of 29 CFR 1926.

B. The Contractor shall furnish proof that all of the Contractor's personnel on the job (supervisors and workers) have been given medical examinations as required by OSHA regulations, 29 CFR 1910 and 29 CFR 1926. As a minimum, the examination should include a chest roentgenogram, a medical history with specific reference to respiratory disease and pulmonary function tests. This information should be provided to the Owner during the pre-construction meeting.

C. The Contractor shall provide a Certified, License Asbestos Supervisor to the project with a minimum of two years of successful experience in Asbestos Abatement operations similar in scope and magnitude to this project. The Contractor shall submit copy of qualifications to owner.

1.07 Asbestos Consultant/Asbestos Safety Technician

A. Health & Safety Services, Inc. shall perform all air sampling specified. They shall have access to all areas of the asbestos removal project at all times and shall continuously inspect and monitor the performance of the contractor and his employees to verify that their performance complies with this specification. An Asbestos Safety Technician (AST) shall be on site at all times that work is in progress, from the initial preparation of the work area to the completion of the abatement operation. The AST is present to protect the Owner's interest and to ensure compliance of N.J.A.C. 5:23-8. The air sampling, monitoring and inspections made by the AST shall not relieve the Contractor of his monitoring obligations.

B. The ASCM will send 20 day notification to building owner for distribution to occupants, and post notifications of asbestos abatement project 7 days prior to abatement on entrances adjacent to the work area

C. The Asbestos Safety Technician shall have the authority to require that all workers present a valid work card before entering the work site. He shall also have the authority to direct verbally and in writing the actions of the contractor to assure compliance. The Technician shall have the authority to test the seal of the respirators of all who enter the work site to ensure proper fit. In matters of gross negligence or flagrant disregard for the safety of others, including the possibility of contaminating the building environment and the appearance of an emergent unsafe condition at the work site, the Technician shall direct such corrective action as may be necessary.

C. The Asbestos Safety Technician upon receipt of testing results indicating that concentrations above 0.010 fibers per cc have occurred outside the containment barriers or above 0.020 fibers/cc within the clean room of the decontamination chamber during the abatement action shall report these results immediately to the contractor and to the owner's representative so that prompt corrective action may be taken.

D. The Asbestos Safety Technician shall keep a daily log of on-site observations concerning contractor's compliance with activities required under this specification listing all deficiencies encountered. In addition, this log shall list the names of all persons entering the work area. This log shall be made available upon request at all times to the Owner's Representative.

E. During the removal phase of the duties of the Asbestos Safety Technician shall be as follows:

1. Monitoring outside the work area shall be provided throughout removal operations, to ensure that no outside contamination is occurring.
2. Filters, cassettes and sampling train shall be assembled as specified in NIOSH 7400 method and 40 CFR 763. The flow rate shall be between 0.5 and 16 liters per minute. The total volume shall be a volume sufficient to achieve a detection limit of 0.010 f/cc. Pumps shall be calibrated before and after sampling and a record kept of this calibration.
3. The Asbestos Safety Technician shall take a minimum of three (3) samples per day, 1 sample every 4 hours in occupied areas during removal activities for every 10,000 SF of occupied space will be analyzed on-site. One stationary sample at decontamination unit entrance/exit and the remaining samples adjacent to work area but remote from the decontamination unit entrance. In the selection of adjacent areas to be monitored, preference shall be given to rooms adjacent to ACM worker's/Waste routes, critical barriers and/or occupied areas.
4. If the Contractor's barriers or other control methods are observed to malfunction and if the Contractor does not correct the problems immediately upon notification, the Asbestos Safety Technician shall have the authority to halt removal of asbestos in the affected work area. In such a situation additional sampling of at least 5 samples per day per area shall be performed by the Asbestos Safety Technician at the Contractor's expense.
5. The analysis of air samples (excluding final air tests) shall be done using NIOSH #7400 Method (A rules), by an AIHA Certified microscopist
6. The evaluation criteria shall be 0.010 fibers per cubic centimeters.
7. A series of smoke tests shall be performed at the decontamination unit entrance/exit, by the asbestos safety technician to ensure continuous negative air pressure. This test shall be performed before each work shift and every four hours thereafter until the end of the work shift.
8. The Asbestos Safety Technician shall calculate the required number of negative air filtration units for each work area. This calculation shall be made whenever the volume of the work area changes. The Asbestos Safety Technician shall inform the Owner's Representative and the Contractor of any discrepancies between the number of units required and those in operation within the work area.
9. A record shall be kept in a daily log of all on-site observations, inspections and required activities.

10. The Asbestos Safety Technician shall ensure that all asbestos waste shall be removed from the work site daily unless it is placed in a locked, secure container outside of the work area until removal by a registered waste hauler.

F. Final Certification tests shall be conducted as follows:

1. Within 48 hours after final clean-up and before the removal of critical barriers, a visual inspection and a final air test shall be performed by the Asbestos Safety Technician for the Owner. This test is required to establish safe conditions for removal of critical barriers and to permit occupancy and/or demolition activity to begin. Sufficient time following clean-up activities shall be allowed so that all surfaces are dry during monitoring. At least 24 hours shall be allowed to pass after any wet cleaning has been done before the post-removal tests are begun.
2. Normal occupancy use conditions shall be simulated using aggressive sampling techniques.
3. EVALUATION CRITERIA:
    a. **Transmission Electron Microscopy:** (for abated materials in the amounts above 260 Linear Feet of 160 Square Feet or any friable non-limited containment project) A minimum of 7 samples is required: five samples collected inside the abatement area, one field blank, and one sealed blank. Sampling and analysis must be completed according to the protocol outlined in 40 CFR 763. The work area will be considered clean if either: the arithmetic mean of the asbestos structure concentrations of the five samples collected inside the work area is equal to or less than 70 structures per square millimeter; or the two blank samples have an arithmetic mean of the asbestos structure concentration on the blank filters that is less than or equal to 70 s/mm^2.

If test results exceed these parameters, the Asbestos Safety Technician shall so inform the Contractor and the Owner's representative. If these criteria have not been met the Contractor shall be required to re-clean all surfaces using wet cleaning methods and provide negative HEPA-filtered exhaust air during the re-cleaning process. This process of re-cleaning, allowing surfaces to dry and re-testing shall be repeated until compliance is achieved.

b. **Phase Contrast Microscopy:** (for abated materials in the amounts below 260 linear feet or 160 square feet) A set of five samples will be collected in each area of PCM clearance If any of the samples in any set of air test results exceeds 0.010 fiber/cc, the Asbestos Safety Technician shall so inform the Contractor and the Owners' representative. If these criteria have not been met the Contractor shall be required to re-clean all surfaces using wet cleaning methods and provide negative HEPA-filtered exhaust air during the re-cleaning process. This process of re-cleaning, allowing surfaces to dry and re-testing shall be repeated until compliance is achieved.

Note: All costs incurred by the owner as a result of the work area failing to meet final clearance will be the Contractor's responsibility. The work schedule for all projects requiring Transmission

Electron Microscopy includes 24 hour turnaround time. The Contractor will compensate the Owner for the difference in costs if less than 24 hour turnaround time is required on TEM samples in order to satisfy contractual agreements.

G. Final inspection shall be conducted by the Asbestos Safety Technician as follows:

1. Upon notice by the Owner's representative or by the Contractor and at least 48 hours after the removal of the critical barriers, a final inspection shall be made to ensure the absence of any visible signs of asbestos or asbestos containing materials and that all removed asbestos and asbestos contaminated materials have been properly disposed of off-site.
2. Acceptable airborne fiber levels have been attained.
3. The Asbestos Safety Technician shall ensure that all asbestos waste has been removed from the work site by a registered waste hauler.

H. The Asbestos Safety Technician shall prepare a comprehensive final report, including daily logs, required inspection reports, observations and air monitoring results. The Asbestos Consultant shall maintain the report as a permanent record and present a copy to the Owner.

PART II CONTRACTOR RESPONSIBILITIES & DESCRIPTION OF WORK

2.00 Scope of Work

A. This section covers the furnishing of all labor, materials, facilities, equipment, services, employee training and testing, permits and agreements necessary to perform the work required for asbestos abatement in accordance with these specifications, EPA, OSHA Regulations, NIOSH recommendations, State of New Jersey Regulations, and any other applicable federal, state, and local government regulations. Whenever there is a conflict or overlap of the above references the most stringent provisions shall apply. It shall be the contractor's responsibility to verify exact quantities and locations of all asbestos containing materials. The quantities shown are for informational purposes only. Prospective bidder should bid this project according to what is observed during the Pre-bid walk through.

B. Description of Work: Perform the work and provide the services as follows:

1. Contractor must provide a foreman/supervisor that can speak and write English.

2. Worker training, respiratory protection and fit-testing, and OSHA required medical examinations.

3. Work area preparation including protection of all surrounding fixtures as described herein.

4. Asbestos Abatement to include the following:

    a. Isolate the work areas from remaining areas through the use of separation barriers.

    b. Asbestos removal in the following locations:
        St. Dominics School
        250 Old Squan Rd #1
        Brick Township, NJ 08724
        Boiler room, boiler demolition

    c. Contingency Plan refer to New Jersey Sub-Chapter 8 Asbestos Hazard Abatement Sub-Code 5:23 - 8.19 .5 or section 2.13 of this specification.

C. Sequence of Work shall be as follows:

1. The Contractor will insure that prior to abatement preparation, that all movable objects have been removed from the abatement area.
2. The Contractor will restrict access to areas where abatement is to take place from remainder of the building. The Owner will ensure that no school personnel occupy the

building from the time that the Contractor mobilizes until the Certificate of Occupancy has been granted.

3. The Contractor shall pre-clean the abatement area by HEPA vacuuming all surfaces.
4. The Contractor will construct to operational all final barriers, seals, and decontamination chambers as directed by the Asbestos Safety Technician.
5. The Contractor shall give the AST in writing 24-hour notice requesting a pre-commencement inspection.
6. Once the abatement has begun the AST shall make progress inspections and perform a Pre-Sealant inspection before the encapsulation process begins. The inspector shall insure that no visible debris is left on the substrate before any encapsulation begins.
7. The Owners Testing Laboratory shall perform final air testing after a 24-hour writing period from any wet wiping or cleaning. The final air tests will be performed by Transmission Electron Microscopy (TEM) for full containment work area, Phase Contrast Microscopy for Limited containment work area. The testing and analysis shall be done in compliance with the 40 CFR 763 and NJAC 5:23-8. If the results are higher than the allowable threshold the contractor will re-clean the abatement area and the testing firm must re-test. This sequence will continue until the test results are acceptable.
8. Once the appropriate air testing results are met, the Contractor will remove all critical barriers and separation barriers inside the abatement area. No tape, polyethylene sheet plastic or other construction debris can remain in the abatement area after this cleaning.
9. The AST will perform a final visual inspection of the abatement area. The Contractor must notify state inspectors 24 hours prior to the AST's final visual.

2.01 Standard Operating Procedures

A. The Contractor shall develop and implement a written standard procedure for abatement work to ensure maximum protection and safeguard from asbestos exposure of the workers, visitors, general public, and the environment.

The standard operating procedure shall ensure:

1. Tight security on a 24-hour basis from unauthorized entry into the workspace.
2. Remove asbestos in ways that minimize release of fibers.
3. Safe work practices in the workplace, including provisions for inter-room communications, exclusion of eating, drinking, smoking, or in any way breaking respiratory protection.
4. Proper protective clothing and respiratory protection prior to entering the workspace from the outside.
5. Packing, labeling, loading, transporting, and disposing of contaminated material in a way that minimize exposure and contamination.
6. Proper exit practices from the workspace to be the outside through the showering and decontamination facilities.
7. Emergency evacuation for medical or safety (fire and smoke) so that exposure will be minimized.
8. Safety from accidents in the workspace, especially from electrical shocks, slippery surfaces, and entanglements in loose hoses and equipment.

9. Provisions for effective supervision, air monitoring and personnel monitoring for exposure during the work.
10. Engineering systems that minimize exposure to fibers in the workspace.
11. The contractor shall submit these plans and procedures at least ten (10) days prior to abatement.

2.02 Notifications, Permits, Warning Signs, Labels, and Posters

A. Erect English warning signs around the workspace and at every point of potential entry from the outside, with the words "Danger" Asbestos Hazard, Do Not Enter". The warning signs shall be a bright color so that they will be easily noticeable. The size of the sign and the size of the lettering shall be no less than OSHA requirements. Warning signs shall be posted at the entrance to the work area and around its perimeter at intervals of no more than twenty-five (25) feet.

B. Provide the OSHA required labels for all plastic bags and all drums utilized to transport contaminated material to the landfill.

C. Provide any other signs, labels, warnings, and posted instructions that are necessary to protect, inform and warn people of the hazard from asbestos exposure. Post in a prominent and convenient place for the workers a copy of the latest applicable regulations from OSHA, EPA, and NIOSH.

2.03 Emergency Precautions

A. Establish emergency and fire exits from the work area. Post these in the administrative area on the work site.

B. The Contractor shall be prepared to administer first aid to the injured personnel after decontamination. Seriously injured personnel shall be treated immediately or evacuated without delay for decontamination. When an injury occurs, precautions shall be taken to reduce airborne fiber concentrations (i.e. misting of the air with water) until the injured person has been removed from the work area.

C. Before the Contractor starts the removal of asbestos materials, the local police and fire departments shall be notified by the Contractor as to the danger of entering the work area. The Contractor shall make every effort to help these departments form plans of action should their personnel need to enter the contaminated area.

2.04 Submittals

A. Submit copies of the following items to the Asbestos Safety Control Monitor:

1. Security and safety logs showing names of persons entering work space, date and time of entry and exit, record of any accident, emergency evacuation, and any other safety and/or health incident.
2. Disposal Certificates.
3. Required Permits, Clearances, and Licenses.
4. All Contractor's Air Monitoring and inspection Results.

B. At the completion of the project the asbestos abatement Contractor will submit the following documentation to the Construction Manager with their invoice. This information will also be submitted to Health & Safety Services, Inc.

1. The Certificate of Acceptance/Occupancy from the local construction official.
2. A copy of all waste disposal manifests.
3. A copy of Certified Payroll for the project.

2.05 Owner/Contractor Responsibilities

A. The **Contractor** or persons employed by the CM shall clean with wet cloths and/or with HEPA vacuums as appropriate all movable items that can be removed from the work area without disrupting the asbestos material. This shall include furniture, equipment, drapes, curtains. The cloths used for cleaning shall be disposed of as asbestos contaminated waste.

B. During this period, the **Contractor** shall be responsible in all areas affected by his operation for:

1. Building Security - Fire and smoke detection systems
2. Maintaining the existing building and utility systems such as plumbing or electrical installations.
3. The **Contractor** shall provide security to prevent unauthorized entry into the work area, and maintenance of decontamination chambers, isolation barriers and negative air systems.

C. Should the failure of any utility occur, the Owner will not be responsible to the **Contractor** for loss of time or any other expense incurred.

D. The **Contractor** shall provide all digital manometers required for this project in accordance with N.J.A.C. 5:23-8, to include one (1) spare unit.

E. The **Contractor** is required to protect workers who must enter confined spaces, in accordance with 29 CFR 1910.120 (b) (1) (iv) and all applicable regulations.

F. The Owner will provide the Contractor with a list of items that cannot be removed, or are damaged prior to abatement activities.

G. The Owner will stop all deliveries that may be scheduled to the work area while work is in progress.

H. The **Owner** will have authorized personnel on site at all times or supply contractor with means of contacting such personnel without unreasonable delay. Such personnel shall have access to all areas and have knowledge of electrical and air handling equipment. Such personnel shall assist Contractor in case of any power failure or breakdown to shut down air supply systems, to reset and control all protective systems such as alarms, sprinklers, locks, etc.. The **Owner** shall insure no active air handling systems are operating within the work area.

I. The **Owner** will not occupy the building in which work is being performed during the entire asbestos abatement operation, including completion of clean up, but excluding re-insulation.

2.06 Use of Building Facilities

A. The Owner shall make available to the Contractor all required amounts of water and electric power located at the site at no charge.

B. The Owner shall provide telephone service and a telephone at the job site for use by the Contractor and the Consultant.

C. The Contractor shall provide all electrical, water, and waste connections, tie-ins, extensions, and construction materials, supplies, etc.

D. The Contractor shall provide a separate temporary GFCI electric panel board to power all equipment associated with the asbestos abatement project. The Owner shall designate an existing power box in close proximity to the work area. Contractor's licensed electrician shall provide temporary tie-in via cable, outlet boxes, junction boxes, receptacles and lights, all with ground fault interruption. All temporary electric shall be in accordance with OSHA Regulations, specifically but not limited to, 1926 Subpart K.

E. Contractor shall provide fire protection in accordance with all State and Local fire codes.

F. When temporary services lines are no longer required, they shall be removed by the Contractor. Any parts of the permanent service lines, grounds and buildings, disturbed or damaged by the installation and/or removal of the temporary service lines, shall be restored to their original condition by the Contractor, in a manner satisfactory to the Owner.

G. Contractor shall provide hot shower water necessary for use in the decontamination unit.

2.07 Use of the Premises

A. The Contractor shall confine his apparatus, the storage of materials, and supplies, and the operation of his workmen to limits established by law, ordinances, and the directions of the Owner. All flammable or combustible materials shall be properly stored to obviate fire and in areas approved by the Owner.

B. The Contractor shall assure that no exits from the building are obstructed, that appropriate safety barriers are established to prevent access, and that work areas are kept neat, clean, and safe.

C. All surrounding work, fixtures, soil lines, drains, water lines, pipes, electrical conduit, wires, utilities, railings, shrubbery, landscaping, etc. which is to remain in place shall be carefully protected and, if disturbed or damaged, shall be repaired or replaced as directed by the Owner, at no additional cost.

D. Any or all routes through the building to be used by the Contractor shall first be approved by the Owner and the Consultant.

E. Toilet facilities are available on site for the Contractors use.

2.08 Electrical Fixtures and HVAC Registers Dust Control

A. Prior to the commencement of any removal and cleaning activities, any existing lighting fixtures and ceiling suspension system shall be decontaminated using a HEPA vacuum equipped with a soft brush attachment.

B. All HVAC registers diffusers, induction units, etc. shall receive no replacements or changes. Existing fixtures shall be shut down by the Owner's personnel prior to any work in the area.

2.09 Protection and Damage

A. Replace or repair any items damaged, due to work performed under this contract, equal to their original construction and finish. Repaired or replaced items will be subject to the Owner's approval.

B. Use rubber-tired vehicles which use non-volatile fuels for conveying material inside building and provide temporary covering, as necessary, to protect floors.

C. No materials shall be thrown from windows or doors of buildings. Building waste system shall NOT be used to remove refuse.

D. Debris shall be removed from the site daily. Premises shall be left neat and clean after each work shift, so that work may proceed the next regular workday without interruption.

E. Protect floors along removal routes from damage, wear and staining.

F. Liquidated damages of $350.00 will be assessed for each day or part thereof that the Asbestos Removal permit remains open past the scheduled abatement dates.

2.10 Respiratory Systems

A. Provide all workers, foremen, superintendents, authorized visitors and inspectors personally issued and marked respiratory equipment approved by NIOSH and OSHA. When respirators with disposable filters are employed, provide sufficient filters for replacement as necessary by the worker.

B. The Contractor shall require that each person entering the Work Area wear an approved respirator and protective clothing. There shall be no exceptions to this rule.

C. Respiratory protection shall be in accordance with OSHA Regulation 1910.1001 (d), OSHA Regulation 1910.134 and ANSI z88.2-1980. Respirators chosen shall also be approved by NIOSH under the provisions of 30 CFR Part. 11.

D. Respiratory protection shall be determined by airborne fiber concentration (fibers per cubic centimeter of air).

At a minimum, respiratory protection shall be:

- 0.01 - 1.0 f/cc - Dual Cartridge, Air Purifying respirator with HEPA cartridge.
- 1.0 - 10.0 f/cc - Powered Air Purifying respirator with HEPA cartridge.
- 10.0 and above - Type C supplied air pressure demand respirator.

E. **NO ONE** is to be permitted into the work area without proper protection. No disposable dust masks shall be used at any time.

F. All personnel engaged in asbestos abatement procedures requiring an air purifying respirator shall have an unobstructed face/mask seal (i.e., no facial hair).

2.11 Protective Clothing

A. Provide to all workers, foremen, superintendents and authorized visitors and inspectors protective disposable clothing (TYVEK) consisting of full-body coveralls, head covers, gloves and 18 inch high boot type covers or reusable footwear.

B. Provide eye protection and hard hats as required by job conditions and safety regulations.

C. Reusable footwear, hard hats and eye protection devices shall be left in the "Contaminated Equipment Room" until the end of the asbestos abatement work.

D. Disposable protective clothing shall be discarded and disposed of as asbestos waste every time the wearer exits from the work space to the outside through the decontamination facility.

E. The Contractor shall also maintain sufficient supply of all other related items such as towels, soap, etc.

2.12 Air Monitoring - Contractors

A. The Contractor shall employ a certified laboratory and NIOSH certified air test technician to conduct air sampling and analysis in accordance with OSHA Regulations, 29 CFR, 1910.1001 (Asbestos Standard for General Industry), 1926.58 (Asbestos Standards for Construction), and 1910.134 (Respirator Standard).

B. The Testing Laboratory shall be a current proficient participant in the NIOSH PAT Program. The laboratory identification number shall be submitted and approved by the Consultant.

C. The Contractor shall require a competent person from his testing laboratory to perform the following functions:

1. Monitor the set up of the work area enclosure and ensure its integrity.
2. Insure that employees are adequately trained in the use of proper work practices, proper personal protective equipment and in decontamination procedures.
3. Insure that employees USE proper work practices, proper personal protective equipment and proper decontamination procedures.
4. Supervise all employee exposure monitoring. Such monitoring shall comply in all respects with OSHA Regulation 1926.58 Appendix "A".
5. Conduct air sampling as per OSHA 1926.58 and as described herein.

D. Air monitoring and inspection of the Contractor's employees shall be conducted under the supervision of the Contractor's competent person.

E. Continuous air monitoring and inspections will include work area samples, personal samples from the breathing zone of a laborer to establish 8-hour TWA's.

F. Sampling and analyses shall be performed in accordance with the NIOSH #7400 method.

G. Air sample results shall be relayed verbally to the consultant within 24 hours followed by written results posted on the job site within 48 hours after the samples have been taken. Results shall be inscribed on official letterhead.

H. All costs for required air monitoring by the contractor's competent person shall be borne by the contractor.

2.13 Contingency Plan

A. If pressure drops below 0.03"w.c.
   a) The AST and abatement supervisor shall investigate and evaluate the engineering controls to determine the source of the pressure loss
   b) The contractor shall institute corrective actions to reestablish an acceptable pressure differential

B. If pressure drops below 0.01" w.c.
   a) The contractor shall cease all abatement activities
   b) The AST shall notify the building owner to evacuate all spaces outside the work area which is pressurized to isolate it from the work area.
   c) The AST and abatement supervisor shall investigate and evaluate the engineering controls to determine the source of the pressure loss
   d) The contractor shall institute corrective actions to reestablish an acceptable pressure differential
   e) Reoccupancy will not be permitted until at least 0.03" w.c. is achieved
   f) If a the pressure differential is not established to 0.03" w.c. from 24 hours from the first reading of 0.01"w.c. the entire building shall be evacuated

C. If air levels exceed 0.01f/cc, the following procedures shall be implemented
   a) The AST and abatement supervisor shall investigate and evaluate the engineering controls to determine the source of the high air levels
   b) An additional/second air sample shall be collected at the place of elevated levels and analyzed by an outside AIHA approved laboratory. If the result is below 0.01 f/cc the contingency plan is terminated. If the result is above 0.01 f/cc the sample is to be analyzed via Transmission Electron Microscopy (TEM), if the result is above 0.01 f/cc the adjacent areas to the elevated levels shall be misted with amended water, wet wiped and HEPA vacuumed.
   c) The decision of cleaning shall be made by the ASCM and building owner
   d) Phase Contrast Microscopy (PCM) air sampling will continue until levels of 0.01 f/cc or less are achieved.
   e) If airborne levels do not achieve 0.01 f/cc or less within 24 hours of first elevated level, the entire building shall be evacuated
   f) Reoccupancy shall not be permitted until levels of 0.01 f/cc or less are achieved by either Phase Contrast Microscopy (PCM) or Transmission Electron Microscopy (TEM) analysis.

D. If a power outage occurs during abatement activities, the building occupants shall be evacuated until the air samples determine that the occupied spaces are safe, and power has been restored. If a power outage occurs while the building is unoccupied, occupancy will not be permitted until air samples determine that the spaces to be occupied are safe and the power has been restored

PART III DISPOSAL OF ASBESTOS WASTE

3.00 Disposal of Asbestos Waste

This subsection shall apply to the removal of asbestos from the job site and the disposal of asbestos waste.

All Asbestos waste is to be disposed of at a approved landfill, and a copy of the manifest is to be given to the building owner.

A. The contractor is required to give a notice 10 days prior to the disposal to the New Jersey Department of Environmental Protection, Division of Waste Management, Bureau of Field Operations. In addition, all disposal procedures must comply with CAA 112, 42 U.S.C 7412, and 40 CFR 61.156, NJAC 7:26

B. Disposal of asbestos waste shall be conducted as follows:

1. All asbestos waste materials destined for disposal shall be wetted and packaged in permanently sealed, leak tight containers (such as 6 mil plastic bags, double bagged with visible labels) before it can be transported and disposed. No hauling of loose asbestos or asbestos contaminated debris is permitted.

2. A locked, secure container shall be provided if asbestos waste is to be stored outside unattended.

C. Notify the Owner's Asbestos Consultant in writing not less than 48 hours prior to the proposed time of removing and delivery of contaminated waste to the landfill. The Owner's Asbestos Consultant may elect to observe this operation.

D. The waste hauler must possess a valid solid waste transporter registration. A licensed solid waste transporter shall be a commercial collector/hauler or shall be the removal company if they are so registered.

E. Asbestos waste can be hauled in trucks or in dumpster containers provided the load is comprised only of asbestos in bags and does not contain any other wastes which could compromise the integrity of the permanent containers.

F. If rough surfaces or other materials are present in the load which could potentially puncture the permanent containers, then those containers shall be enclosed in temporary fiber or steel drums during loading, transport and unloading operations. In addition, asbestos waste shall not be loaded into or hauled with vehicles containing collection devices.

G. Use only enclosed or covered trucks to haul impermeable containers to prevent loss or damage to containers in route to sanitary landfill.

H. Allow only sealed plastic bags or impermeable containers to be deposited in landfill. Leave damaged, broken or leaking plastic bags in the impermeable container and deposit entire container in landfill. Obtain prior approval from appropriate regulatory officials before disposing contaminated materials from high pressure vacuum collection system in the approved landfill.

I. Ensure that there are no visible emissions to the outside air from site where materials and waste are deposited.

J. Contractor may recycle uncontaminated impermeable containers.

PART IV PRODUCTS

4.00 Quality

A. Brand Names and Approved Equals

1. The contractor shall use Brand Named materials specified or an approved equal. (NEW JERSEY STATUTE 40A: 11-13 SPECIFICATIONS)

2. The contractor shall provide to the Owner and the Consultant, materials he/she plans to use during abatement activities. Changes in the submission of these materials shall be provided prior to abatement commencing. The Owner shall approve/disapprove these submissions.

3. No abatement activities shall occur prior to the Owner's consent and the Consultant's recommendation of the use of these products.

4. BRAND NAMES AND/OR DESCRIPTIONS USED IN THIS SPECIFICATION FOR BID PROPOSAL ARE TO ACQUAINT PROSPECTIVE BIDDERS WITH THE TYPE OF EQUIPMENT DESCRIBED (OR COMMODITY) AND WILL BE USED AS A STANDARD BY WHICH ALTERNATE OR COMPETITIVE MATERIALS OFFERED WILL BE JUDGED. COMPETITIVE ITEMS MUST BE EQUAL TO THE STANDARD DESCRIBED AND BE OF THE SAME REPUTATION FOR QUALITY AND WORKMANSHIP. VARIATIONS BETWEEN EQUIPMENT DESCRIBED AND MATERIAL OFFERED ARE TO BE FULLY EXPLAINED IN AN ACCOMPANYING LETTER. IN THE ABSENCE OF ANY CHANGES BY THE BIDDER, IT WILL BE PRESUMED AND REQUIRED THAT MATERIALS AS DESCRIBED IN THESE SPECIFICATIONS BE DELIVERED.

4.01 Materials

A. The wetting agent shall be BWE 5000 as manufactured by Better Working Environments Inc., of San Diego OR an equal.

B. Encapsulating material shall be bridging and/or penetrating in nature and must be applied in two coats.

C. Cement to be used to seal ends, tears and penetrations shall be fire-rated and asbestos-free.

D. Framing materials shall consist of 2 x 4 studs and sections of 5/8" plywood from first quality lumber, Fire Retardant.

E. The contractor shall use only polyethylene sheeting with a minimum thickness of 6 mil.

F. The use of drums is permissible as long as said drums contain lining that is leak-proof. The exterior of drums must have clear and permanent labeling and labeling specified by OSHA and EPA regulations.

G. All waste shall be discarded in properly labeled and 6 mil thick polyethylene double bags.

H. Asbestos warning signs shall be in English script and placed in areas as required by OSHA and the EPA.

I. All tape shall be of high quality polyethylene film tape.

J. Spray adhesive may be used.

K. Disposable clothing to be used shall be of the same composition as Dupont's Tyvek or equivalent.

L. All materials utilized on the site shall be non-combustible per NJAC 5:23-8.15e4.

4.02 Tools and Equipment

A. Asbestos filtration devices shall be equipped with HIGH EFFICIENCY PARTICULATE ABSOLUTE (HEPA) filter systems certified by the manufacturer to have an efficiency of not less than 99.97%.

B. Scaffolding is to be used when and where needed as long as its use is monitored and is safety tested and approved for such work conditions by OSHA and any other safety regulatory agency.

C. Transportation and storage equipment shall be used so that no accumulations of ACM shall occur on a daily basis. This equipment shall be constructed and registered as such to store and/or transport waste material without any threat to persons or the environment of possible contamination.

D. All vacuum equipment to be used shall use HEPA filtering systems.

PART V EXECUTION

5.00 Permits, Notifications, Licenses

A. The contractor shall present a duplicate copy of his asbestos contractors license issued by the New Jersey Department of Labor with his bid. Only licensed contractors may perform work described and required by this specification. As required by law, the contractor shall maintain on the project site a valid Contractors license.

B. The Contractor shall apply for the necessary construction permits required for the asbestos abatement project.

C. The Contractor shall maintain the required number of qualified personnel on site to complete project on schedule.

NOTE: ALL CONTRACTOR EMPLOYEES MUST POSSESS A VALID NJ ASBESTOS REMOVER/LABORER'S PERMIT AND MAKE AVAILABLE TO THE OWNER, CONSULTANT, NJ DCA, NJ DOL, NJ DOH AND AST THESE PERMITS UPON REQUEST AT THE PROJECT SITE. ALL EMPLOYEES MUST HAVE A MINIMUM OF AT LEAST SIX (6) MONTHS EXPERIENCE IN ASBESTOS ABATEMENT IN THE STATE OF NEW JERSEY.

D. The contractor shall also present to the AST, Owner, and Consultant prior to the commencement of abatement, proof that a NJ DEP Registered Waste Hauler Permit exists. NO PRECOMMENCEMENT INSPECTION SHALL TAKE PLACE UNTIL SUCH PROOF EXISTS AND IS SATISFACTORY TO THE NJ DCA, THE ASCM/AST, THE OWNER AND THE CONSULTANT.

E. At the completion of the project the asbestos abatement Contractor will submit the following documentation to the owner with their invoice. This information will also be submitted to the owners representative, Health & Safety Services, Inc..

1. The Certificate of Acceptance/Occupancy from the local construction official.

2. A copy of all waste disposal manifests.

5.01 Inspections

A. The AST will perform inspections throughout the entire asbestos abatement project. The AST inspections are as follows:

1. Precommencement inspections by the AST will occur prior to each phase of abatement. The AST will observe and will check compliance of the following:

a. critical/separation barriers in place
b. AFD units in place and operating
c. notifications, variances, permits and licenses in place
d. waste container on site and labeled
e. OSHA signs posted
f. emergency plans and numbers posted
g. decontamination chamber in place and operating
h. poly on walls and floor and ceiling.
i. proper supplies of bags, suits, filters, towels, masks and other equipment
j. proper discontinued use of HVAC systems
k. ground fault interrupters are in place outside of the work area and operable

2. Progress Inspections by the A.S.T. will occur a minimum of twice per work shift at random times - per NJ sub chapter 8 rules and regulations.

3. Cleanup inspections will occur as work progresses to ensure that the work area is clean and that no asbestos containing materials are left exposed. Equipment must also be placed in an orderly fashion to promote means of ingress and egress.

4. Pre-sealant inspections shall take place after all exposed surfaces have been wet-wiped and are found cleaned. The contractor shall notify the AST that an inspection is requested 48 hours prior to the actual inspection time. The AST shall, in writing, notify the contractor and Owner of the results of the inspection.

5. The AST shall perform a final visual inspection after being notified that such an inspection is requested at least 24 hours in advance. NO FINAL VISUAL INSPECTION SHALL TAKE PLACE IMMEDIATELY AFTER ANY WET CLEANING.

B. During any inspection by State or Federal agencies, the Contractor must have a supervisor present.

C. The New Jersey Department of Community Affairs and the New Jersey Department of Labor are authorized to make unannounced and periodic inspections during the entire abatement process to observe AST and Contractor compliance with applicable statutes.

D. The Consultant, Health & Safety Services, Inc., will also make random and periodic inspections to observe contractor compliance with specifications and statutes. Directives from the consultant shall be given to the AST to be forwarded to the contractor.

5.02 Decontamination Facilities and Procedures

A. DECONTAMINATION CHAMBER

1. The decontamination facility shall be constructed of 2"x 4"x 8' wooden framing covered with two layers of 6-mil poly sheeting on all sides.
2. Airlocks shall be installed between contaminated area, equipment room, shower room, and clean room. Air locks shall consist of three layers of 6 mil. poly each and shall be alternately secured. Each airlock shall be weighted down.
3. All individual chambers shall be at least 4 feet square to allow access with a stretcher in the event of emergencies.
4. The shower shall have both hot and cold water receptacles, liquid shampoo and liquid soap, both in plastic containers, so that workers and visitors can decontaminate prior to entering the clean room.
5. The contractor shall provide all connections for water and electrical hook-ups necessary to perform the work described in this specification.
6. The clean room shall contain an area where street clothes, towels, and cleaned respirators can be stored. The Contractor shall maintain an adequate supply of towels and soap for visitors and inspectors at all times.
7. The equipment room shall be provided by the contractor where work materials, footwear, and contaminated work clothing can be stored.
8. The decontamination chamber shall be located in the area as defined in the diagrams.
9. During abatement operations, the Contractor shall be allowed to use the decontamination chamber for waste egress.

B. DECONTAMINATION SEQUENCE - PERSONAL

1. ALL workers and visitors who will enter the work area shall remove all street clothes, put on clean overalls, and respirators while in the clean room. The person will then proceed through the showers and dirty (equipment) room and enter the work area.
2. Before leaving, the worker will remove all gross contamination with the use of HEPA vacuums. With the help of another worker, the person shall remove disposable TYVEK clothing. Contaminated clothing shall be placed in labeled poly bags and left in the work area until completion of the project.
3. The worker then proceeds to the shower room. Respiratory protection shall still be worn while showering. Such protection shall be removed after the person has completely showered to prevent inhalation of asbestos fibers.
4. After showering the person moves to the clean room and dresses in either new coveralls for re-entry, or street clothes if leaving.
5. NO EATING, DRINKING, SMOKING OR CHEWING SHALL OCCUR IN THE WORK AREA OR DECONTAMINATION CHAMBER.
6. No footwear that is not readily cleanable, shall remain in the equipment room and, at the end of the project, will be discarded as contaminated waste.
7. NO EXCEPTIONS TO THESE DECONTAMINATION PROCEDURES WILL BE ALLOWED!!!