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SCA School Construction Authority

NYC Green Schools Rating System 2016

	SD	DD	60%	100%	D. Cert.	Const
Submission (Check one):						X

Project: **PS 123A**
Address | Zip Code: **354 Example St**
LLW #: **123456**
Design #: **123456**
Architect: **Architect**

Submission Date: **Date**
Reviewer :
Reviewer Sign Off:

Credit Names	BD&C Reference LEED for Schools 2009	CHPS Reference	NYC GSG 2016	Credit Description and Relevant Information and Drop-Down Menus	RPC (check project zipcode in GSG) [5]	Required For all Projects	Required if Feasible [1]	Optional Credits [2]	If Anticipated, or if Documented: [3] Enter point value, or leave blank if Not Feasible or if Not Pursued: Design Phase	Construction Phase	Auto Filled: Blank if Pursued, No. of Points if Not Pursued or if Not Feasible or Additional Credit Not Pursued
Site				**27% of Total Points**					**Points:**	**15 out of 19**	
	SS Pr 1		S 1.1P	**Construction Activity Pollution Prevention**		NP	☑ YES		Credit Req'd - Confirm Pursuit		
	SS 1		S 1.2R	**Site Selection**		1			1		
		1.1.7	S 1.3R	**Sustainable Site & Building Layout**		NP	☑ YES		Indicate Pursuit		☐ NO
Site Selection	SS 2		S 1.4	**Development Density & Community Connectivity**	RPC		4		4		
	SS 10	1.1.2	S 1.5R	**Joint Use of Facilities, Community Access**		1			1		
	SS Pr 2		S 1.6P	**Environmental Site Assessment**		NP	☑ YES		Credit Req'd - Confirm Pursuit		
	SS 3		S 1.7	**Brownfield Redevelopment**			1			NF	1
	SS 4.1		S 2.1	**Alternative Transportation,** Public Transportation Access	RPC		4		4		
Transportation	SS 4.2		S 2.2	**Alternative Transportation,** Bicycle Storage & Changing Rooms			1		1		
	SS 4.3/4.4		S 2.3R	**Alternative Transportation,** Fuel-Efficient Vehicles/Parking Cap.		2			2		
Minimize Impact on Site	SS 5.1		S 3.1	**Site Development,** Protect or Restore Habitat	RPC		1			NF	1
	SS 5.2		S 3.2	**Site Development,** Maximize Open Space			1		NF		1
Stormwater Design	SS 6.2		S 4.1	**Stormwater Design,** Quality Control	RPC		1		NF		1
Heat Island Effect	SS 7.2		S 5.1R	**Heat Island Effect,** Roof		1			1		
Outdoor Lighting	SS 8		S 6.1	**Light Pollution Reduction**			1		1		
				Site Category Sub-Total:		5	14		15	0	4
Water				**11% of Total Points**					**Points:**	**6 out of 8**	
Outdoor Systems	WE 1.1		W 1.1	**Water Efficient Landscaping**, Reduce by 50%			2		2		
	WE 1.1		W 1.2	**Water Efficient Landscaping**, Reduce by 100%			2		2		
	WE Pr 1		W 2.1P	**Minimum Water Use Reduction**, 20% Reduction		NP	☑ YES		Credit Req'd - Confirm Pursuit		
Indoor Systems	WE 3		W 2.2R	**Enhanced Water Use Reduction**, 30% Reduction		2			2		
	WE 3		W 2.3	**Enhanced Water Use Reduction**, 35% Reduction			1		NF		1
	WE 3		W 2.4	**Enhanced Water Use Reduction**, 40% Reduction			1		NF		1
				Water Category Sub-Total:		2	6		6		2
Energy				**5% of Total Points**					**Points:**	**3**	**5**
Commissioning	EA Pr 1		E 1.1P	**Fundamental Commissioning**		NP	☑ YES		Credit Req'd - Confirm Pursuit		
Refrigerant Management	EA Pr 3		E 2.1P	**Fundamental Refrigerant Management**		NP	☑ YES		Credit Req'd - Confirm Pursuit		
	EA 4		E 2.2	**Enhanced Refrigerant Management**			2			NF	2
Verification	EA 5		E 3.1R	**Measurement & Verification**		1				1	
		3.3.5	E 3.2R	**Energy Management System Controls,** HVAC & H. W. Systems		NP	☑ YES		Indicate Pursuit		☐ NO
Energy Efficiency	EA Pr 2		E 4.1P	**Minimum Energy Performance**		NP	☑ YES		Credit Req'd - Confirm Pursuit		
		3.1.2	E 4.2R	**HVAC System Sizing,** Avoid Oversizing		NP	☑ YES		Indicate Pursuit		☐ NO
Power	EA 6		E 5.1R	**Green Power**		2				2	
				Energy Category Sub-Total:		3	2		0	3	2
Materials				**13% of Total Points**					**Points:**	**7 out of 10**	
	MR Pr 1		M 1.1P	**Storage & Collection of Recyclables**		NP	☑ YES		Credit Req'd-Confirm Pursuit		
	MR 1.1		M 1.2	**Building Reuse**, Maintain 75% of Existing Walls, Floors & Roof	RPC		1			1	
	MR 1.1		M 1.3	**Building Reuse**, Maintain 95% of Existing Walls, Floors & Roof			1			1	
Efficient Material Use	MR 1.2		M 1.4	**Building Reuse**, Maintain 50% of Interior Non-Structural Elements			1			1	
	MR 2		M 1.5R	**Construction Waste Management**, Divert 50% from Disposal		1				1	
	MR 2		M 1.6R	**Construction Waste Management**, Divert 75% from Disposal		1				1	
	MR 2		M 1.7	**Construction Waste Management**, Divert 95% from Disposal			1			NF	1
	MR 4		M 2.1R	**Recycled Content**, 10% (post-consumer + ½ pre-consumer)		1				1	
	MR 4		M 2.2	**Recycled Content**, 20% (post-consumer + ½ pre-consumer)			1			NF	1
Sustainable Materials	MR 5		M 2.3	**Regional Materials**, 10% Extracted, Processed & Manufactured			1			1	
	MR 5		M 2.4	**Regional Materials**, 20% Extracted, Processed & Manufactured			1			NF	1
		4.1.1	M 2.5R	**Wallboard & Roof Deck Products,** Mold Resistance		NP	☑ YES		Indicate Pursuit		☐ NO
				Materials Category Sub-Total:		3	7			7	3

See Notes on Page 2 of 2

04/30/2016
Revised 10/31/18

Project Checklist - page 2 of 2

SCA School Construction Authority

NYC Green Schools Rating System 2016

	SD	DD	60%	100%	D. Cert.	Const
Submission (Check one):						X

Project: **PS 123A**
Address | Zip Code: **354 Example St**
LLW #: **123456**
Design #: **123456**
Architect: **Architect**

Submission Date: **Date**
Reviewer :
Reviewer Sign Off:

Credit Names	BD&C Reference LEED for Schools 2009	CHPS Reference	NYC GSG 2009	Credit Description and Relevant Information and Drop-Down Menus	RPC (check project zipcode in GSG) [5]	Required For all Projects	Required if Feasible [1]	Optional Credits [2]	If Anticipated, or if Documented: 3 Enter point value, or leave blank if Not Feasible or if Not Pursued: Design Phase	Construction Phase	Auto Filled: Blank if Pursued, No. of Points if Not Pursued or if Not Feasible or Additional Credit Not Pursued
Indoor Environmental Quality			**25% of Total Points**					**Points:**	**14**	**out of**	**16**
IAQ Post-occupancy	IEQ Pr 1		Q 1.1P	**Minimum IAQ Performance**		NP	☑ YES		Credit Req'd - Confirm Pursuit		
	IEQ 1		Q 1.2R	**Outside Air Delivery Monitoring**		1			1		
IAQ Pre-occupancy	IEQ 3.1		Q 2.1R	**Construction IAQ Management Plan**, During Construction		1				1	
	IEQ 3.2		Q 2.2R	**Construction IAQ Management Plan,** Before Occupancy		1				1	
Low-Emitting Materials	IEQ 4.1		Q 3.1R	**Low-Emitting Materials**, Adhesives & Sealants [4]		1				1	
	IEQ 4.2		Q 3.2R	**Low-Emitting Materials**, Paints & Coatings [4]		1				1	
	IEQ 4.3		Q 3.3R	**Low-Emitting Materials**, Flooring Systems [4]		1				1	
	IEQ 4.4		Q 3.4R	**Low-Emitting Materials**, Comp Wood & Agrifiber Products [4]		1				1	
Pollution Source Control	IEQ 5		Q 4.1R	**Indoor Chemical & Pollutant Source Control**		1			1		
		5.3.5	Q 4.2R	**Electric Ignition Stoves**		NP	☐ YES		Indicate Pursuit		☑ NO
		6.2.4	Q 4.3R	**Post Construction Indoor Air Quality**		NP	☑ YES		Indicate Pursuit		☐ NO
Controllability of Systems	IEQ 6.1		Q 5.1R	**Controllability of Systems**, Lighting		1			1		
	IEQ 6.2		Q 5.2R	**Controllability of Systems**, Thermal Comfort		1			1		
Thermal Comfort	IEQ 7.1		Q 6.1R	**Thermal Comfort**, Design		1			1		
Lighting and Views	IEQ 8.1		Q 7.1	**Daylight & Views**, Daylight 75% of Classrooms			1		1		
	IEQ 8.1		Q 7.2	**Daylight & Views**, Daylight for 90% of Classrooms			1		NF		1
	IEQ 8.1		Q 7.3	**Daylight & Views**, Daylight for 75% of Other Spaces			1		NF		1
	IEQ 8.2		Q 7.4	**Daylight & Views**, Views			1		1		
		5.2.1	Q 7.5R	**Visual Performance,** Artificial Direct-Indirect Lighting		NP	☑ YES		Indicate Pursuit		☐ NO
Acoustics	IEQ Pr 3	5.5.1	Q 8.1P	**Minimum Acoustical Performance**		NP	☑ YES		Credit Req'd - Confirm Pursuit		
	IEQ 9		Q 8.2	**Enhanced Acoustical Performance** & Sound for Special Spaces			1		1		
		SCA	Q 8.3R	**Acoustic Windows**		NP	☐ YES		Indicate Pursuit		☑ NO
					IEQ Category Sub-Total:	11	5		8	6	2
Regional			**0% of Total Points**	Use pull-down menus ↘	**RPC Claimed**			**Points:**	**0**	**out of**	**4**
Regionally Appropriate [5]	RP 1.1		R 1.1	**Regionally Defined Credit Achieved**	Blank		1				1
	RP 1.2		R 1.2	**Regionally Defined Credit Achieved**	Blank		1				1
	RP 1.3		R 1.3	**Regionally Defined Credit Achieved**	Blank		1				1
	RP 1.4		R 1.4	**Regionally Defined Credit Achieved**	Blank		1				1
					Regional Category Sub-Total:	0	4	0	0		4
Additional Credits			**20% of Total Points**	For A 3.1 Use pull-down menu ↓				**Points:**	**11**	**out of**	**33**
Innovation in Design	ID 2		A 1.1R	**LEED® Accredited Professional**		1			1		
	ID 1		A 1.2	**Innovation or Exemplary Performance**				1	NF		1
	ID 1		A 1.3	**Innovation or Exemplary Performance**				1	NF		1
Optional - Site Impact	SS 7.1		A 2.1	**Heat Island Effect,** Non-Roof				1	NF		1
	SS 6.1		A 2.2	**Stormwater Design**, Quantity Control	RPC			1	NF		1
	ID 1		A.2.3	**Active Design in a School Environment**				1	NF		1
Optional - Energy	EA 3		A 3.1	**Enhanced Commissioning**				2		NF	2
	EA 1		A 3.2	**Optimize Energy Performance** [6]	New 18%, Renovation 16%, 10 pts RPC			16	10		6
	EA 2		A 3.3	**On-Site Renewable Energy**	If NOT Approved, 0 pts RPC			7			7
		3.3.5	A 3.4	**Enhanced Energy Management System Controls,** HVAC & H.W.		NP	☐ YES		Indicate Pursuit		☑ NO
Optional - IEQ	IEQ 4.6		A 4.1	**Low-Emitting Materials,** Ceiling and Wall Systems [4]				1		NF	1
Optional - Education	ID 3		A 5.1	**The School Building as a Teaching Tool**				1		NF	1
					Additional Credit Category Sub-Total:	1		32	11	0	22
					Column Totals:	25	38	32	40	16	39
					LEED® Equivalent Point Total [7]:				56	out of	95

SCA Credit Name :
Letter prefix indicates credit section (S, W, E, M, Q, R, A)
First number indicates the category within the section
Second number indicates the specific credit within the section category
Suffix "P" is added for credits that are LEED® prerequisites and therefore required of all projects
Suffix "R" is added for credits that are required of all projects

1 Projects required to achieve all "feasible" credits that are possible for a particular project.
2 Projects may only pursue optional "Additional" section credits with permission from SCA unless otherwise noted.
3 During GSG submission phases, enter anticipated design and construction credits, keeping the Checklist current.
4 A maximum total value of four (4) points is allowed between these six low-emitting material credits (Q3.1, 3.2, 3.3, 3.4; A4.1)
5 RPC incentive regional credits as indicated. If the referenced credit is achieved, then the associated RPC can be claimed.
6 This credit requires project-specific energy modeling and can not be achieved by use of proto-typical modeling.
7 LL86/05 requires Certified LEED® 2009 for Schools or equivalent of a no-less stringent rating system - Minimum 40 Points
NP: To be consistent with LEED®, the NYC GSG assigns no point value to prerequisites or non-LEED® credits.
NYC GSG: Requires that all credits be attempted and proof through calcuation for those which are not-feasible.

School Construction Authority
NYC Green Schools Rating System 2016

Credit Compliance Narratives

Project:_____
Address:_____
LLW #:_____
Design #:_____

Date:_____
Architect:_____
Submission:_____
Reviewer:_____
Reviewer Sign Off:_____

S1.1P- Construction Activity Pollution Prevention

Credit achievement is feasible. The project site is slightly over an acre. The site is located in a combined sewer area and will not be discharging into a natural stream, open water, or 303(d) listed water body. The Civil Engineer has provided a Construction Activity Pollution Prevention plan indicating stormwater detention and erosion & sedimentation control prevention measures as part of drawing set shown on drawing X-XXX.00. The plan shows measures to minimize pollution from construction activities, including straw bale dikes, dust control, a stabilized construction entrance, and temporary inlet protection with filter fabric. The project's construction team has implemented all measures required by contract and the requirements of the Green Schools Guide 2016. Photos showing implemented measures & inspection logs have been provided in the supporting documents section.

Interior Projects:
No excavation is planned for this project so only a dust control plan is provided by the contractor along with the requirements of SCA specification section SO1900, Existing Premises Work, specifically paragraph 1.21, Temporary Dust Partitions and Barriers.

In accordance with the credit requirements the Contractor has created and implemented a dust control plan.

SCA Standards:
Applicable SCA Standard Specifications include:
S01352 Sustainability
S01900 Existing Premises Work
02200 Earthwork

Supporting Documentation:
Erosion and Sedimentation Control Plan
Photos
Inspection Logs
Dust Control Plan (for interior projects)

S1.2R Site Selection
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S1.3R Sustainable Site & Building Layout
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S1.4 Development Density & Community Connectivity
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S1.5R Joint Use of Facilities, Community Access
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S1.6P- Environmental Site Assessment
A Phase I Environmental Site Assessment was performed by XXX Engineers, Inc. on September 20, 2010. The results indicated that there were a few Recognized Environmental Conditions (RECs) and a few Environmental Concerns (ECs).

The On-Site RECs include the possible presence of historic fill material (from the demolition of previous structures) beneath the site, the historic use of the site for varnish and machinery storage, a garage with a one 550-gallon gasoline UST, machinery, lighting, electric, and drug and pharmaceutical companies, a printing press, and other manufacturing operations, the identification of two no. 2 fuel oil above ground storage tanks on the site, a 10,000 gallon AST, and a 1,400 gallon AST whose location and condition is unknown, staining on building surfaces, including the basement floor, presumably associated with leaks from building equipment including the possibility of petroleum products, and the generation of hazardous waste resulting from fluorescent light bulb crushing operations and other generators. In addition to the on-site RECs, there are a number of off-site RECs that are outlined in the following executive summary from the Phase 1 ESA report. The ECs include the suspect of PCB-containing light ballasts and caulking materials, the suspect of ACM in building components, the suspect of LBP on interior and exterior painted surfaces, and the evidence of water damage on the roof and around ceilings, walls, and windows throughout the site.

A Phase II Environmental Site Assessment was undertaken based on the findings of the Phase I report. Recommendations of the report include the following:
1. Integrate soil vapor barrier with the design of waterproofing or damp-proofing
2. Properly dispose of excavated materials
3. Minimize dewatering activity during construction
4. Cover top two feet of exterior landscaped areas with environmentally clean fill
5. Identify & manage impact to ACM, LBP & PCB containing materials
All of the recommendations are proposed to be incorporated into the project.

A gas vapor barrier was provided for the entire extent of the building addition including slab on grade, cellar slab and exterior foundation wall, at first floor interior grade beams and at elevator pit. Attached are field reports performed by IEH's consultants, certifications and warrantees.
SCA Standards:
None

Supporting Documentation:

Construction Management verification letter
PE Certification- Sub-Slab Depressurization System
PE Certification- Gas Vapor Barrier

S1.7- Brownfield Redevelopment

Credit achievement is not feasible. Additionally, based on Phase II ESA results which indicated that dangerous levels of contaminants were not present on site and the site was not identified as a brownfield. Therefore, remediation actions are not required and additional investigation is not recommended. No Construction phase GSG submittal is required.

OR

This credit is feasible. The Phase II ESA Report by AKRF Engineering indicates that the site is contaminated and in need of remediation. The Site was found to contain PCE levels exceeding the NYSDOH Soil Gas Criterion. PCE concentrations exceed the New York State Class GA Ambient Water Quality Standard. Freon, selected SVOCs, copper, lead, mercury, zinc and pesticides were also detected at levels exceeding their respective hazardous waste limits. Refer to Phase II ESI Summary of Findings, Conclusions and Recomendations, pages 17-18. Relevant specifications and details by the SCA IEH division are being incorporated into construction documents; and updated documentation will be submitted as necessary through to 100%. Contaminated soil was removed and new, clean soil and backfill brought in. Gas vapor barrier and an SSDS system were installed to monitor and dispose of harmful vapors. An underground storage tank was cleaned and disposed of per specifications.

SCA Standards:
None

Supporting Documentation:

Remediation Verification Letter

Asbestos Project Completion Forms

S2.1 Alternative Transportation, Public Transportation Access
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S2.2 Alternative Transportation, Bicycle Storage & Changing Rooms
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S2.3R Alternative Transportation, Fuel-Efficient Vehicles/Parking Capacity
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S3.1 Site Development, Protect or Restore Habitat
Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S3.2 Site Development, Maximize Open Space
Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S4.1 Stormwater Design, Quality Control

Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S5.1 Heat Island Effect, Roof
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

S6.1 Light Pollution Reduction
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

W1.1 Water Efficient Landscaping, Reduce by 50%
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

W1.2 Water Efficient Landscaping, Reduce by 100%
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

W2.1P Water Use Reduction, 20% Reduction
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

W2.2R Enhanced Water Use Reduction, 30% Reduction
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

W2.3 Enhanced Water Use Reduction, 35% Reduction
Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update.

W2.4 Enhanced Water Use Reduction, 40% Reduction
Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update.

E1.1P Fundamental Commissioning
There is no documentation required by the AOR or Contractor for this credit.

E2.1P Fundamental Refrigerant Management
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

E2.2 Enhanced Refrigerant Management

Credit achievement is feasible. The central air conditioning system consists of a modular chiller that utilizes refrigerant R-410A, three air conditioning units that utilize R410a, R407c, R410a, walk in-refrigerators that utilize R134a and a reach in freezer that utilizes R404A.The included Refrigerant Impact Form shows a weighted average atmosphere impact of 82.2, which falls under the maximum threshold of 100.

The following methodology will be used when completing the Refrigerant Impact Form:

- Base building system containing refrigerants and the associated type of refrigerants have been installed to comply with the ozone-depletion potential (ODP) and the global warming potential (GWP) values.

- Actual manufacturer's data for the type and quantity of refrigerant have been installed.
- Equipment has been installed to ensure that halons, CFCs and HCFCs are not used in the Fire Protection system

OR

Based on the SCA standard equipment specified for this project, this credit is not feasible. The attached calculation shows a weighted average atmosphere impact of 172 which is greater than the maximum 100 target.

SCA Standards:
Applicable SCA Standard Specifications include:
11400 Food Service Equipment
15560 Packaged Modular Outdoor Chillers
15783 Split Heat Pump System
15970 Temperature Control System (LonWorks BMS/DDC With School Operating Console)
15973 Facility Management Systems Integration
15985 Sequence of Operations

Supporting Documentation:
Enhanced Refrigerant Impact Form

E3.1R Measurement & Verification
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

E3.2R Energy Management System Controls, HVAC & H.W. System
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

E4.1P Minimum Energy Performance
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

E4.2R HVAC System Sizing, Avoid Oversizing
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

E5.1R Green Power
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

M1.1P Storage & Collection of Recyclables
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

M1.2 Building Reuse, Maintain 75% of Existing Walls, Floors & Roof
This project includes the renovation of an existing building, which is 244, 732 SF surface area of structural floor, roof deck and envelope elements. Of this area, 240, 158 SF was reused. Based on the building reuse calculations, this project has retained 98.13% of existing building structure/envelope elements, which is above the threshold required to earn this credit.

SCA Standards:

None

Supporting Documentation:
Building Reuse Calculation Form
Building Reuse Breakdown calculations
Floorplan denoting reuse

M1.3 Building Reuse, Maintain 95% of Existing Walls, Floors & Roof
This project includes the renovation of an existing building, which includes 244, 732 SF surface area of structural floor, roof deck and envelope elements. Of this area, 240, 158 SF was reused. Based on the building reuse calculations, this project has retained 98.13% of existing building structure/envelope elements, which is above the threshold required to earn this credit.

SCA Standards:
None

Supporting Documentation:
Building Reuse Calculation Form
Floorplan denoting reuse

M1.4 Building Reuse, Maintain 50% of Interior Non-Structural Elements
This project includes the renovation of an existing building. Of the 35, 714 SF of interior non-structural elements, 31, 735 SF was reused. Based on the building reuse calculations, this project has retained 89% of existing building structure/envelope elements, which is above the threshold required to earn this credit.

SCA Standards:
None

Supporting Documentation:
Building Reuse Calculation Form
Floorplan denoting reuse

M1.5R Construction Waste Management, Divert 50% from Disposal
Credit achievement is feasible. Out of 1, 027 tons of waste, 951 tons of construction waste were diverted. Monthly construction waste reports were included in the submission. The project has submitted the CWM summary reporting form which indicates a **93%** C&D diversion rate, above the threshold required to earn this credit.

SCA Standards:
Applicable SCA Standard Specifications include:
S01352 Sustainability
S01524 Construction Waste Management
02060 Building Demolition
02070 Selective Removals & Demolition

Supporting Documentation:
Construction Waste Management Plan (including calculations, diversion method & rates)
Estimated Waste Quantities by Company
Construction Waste Management Credit Form
Monthly Waste Tracking Report

M1.6R Construction Waste Management, Divert 75% from Disposal
Credit achievement is feasible. Out of 1, 027 tons of waste, 951 tons of construction waste were diverted. Monthly construction waste reports were included in the submission. The project has submitted the CWM summary reporting form which indicates a **93%** C&D diversion rate, above the threshold required to earn this credit.

SCA Standards:
Applicable SCA Standard Specifications include:
S01352 Sustainability
S01524 Construction Waste Management
02060 Building Demolition
02070 Selective Removals & Demolition

Supporting Documentation:
Construction Waste Management Plan (including calculations, diversion method & rates)
Estimated Waste Quantities by Company
Construction Waste Management Credit Form
Monthly Waste Tracking Report

M1.7 Construction Waste Management, Divert 95% from Disposal
Credit achievement is feasible. Out of 1, 027 tons of waste, 951 tons of construction waste were diverted. Monthly construction waste reports were included in the submission. The project has submitted the CWM summary reporting form which indicates a **93%** C&D diversion rate, above the threshold required to earn this credit.

SCA Standards:
Applicable SCA Standard Specifications include:
S01352 Sustainability
S01524 Construction Waste Management
02060 Building Demolition
02070 Selective Removals & Demolition

Supporting Documentation:
Construction Waste Management Plan (including calculations, diversion method & rates)
Estimated Waste Quantities by Company
Construction Waste Management Credit Form
Monthly Waste Tracking Report

M2.1R Recycled Content, 10% (post-consumer + ½ pre-consumer)
Credit is feasible.

The project team has submitted the recycle content summary form and cost information for CSI divisions 2-10 as required. All materials were tracked using SCA Sustainable Materials Form. Based on an assumed materials cost of 40% of the Total Construction Cost for CSI Divisions 2-10 (22,871,900 X 40% = $9,148,760), the amount of recycled materials is $941,215 or 10.29%, exceeding the 10% credit threshold.

SCA Standards:
S01352 Sustainability
02200 Earthwork
02511 Asphaltic Concrete Paving
02513 Sidewalk and Street Paving
03200 Concrete Reinforcement
03300 Cast-in-Place Concrete
04200 Unit Masonry
05120 Structural Steel
05710 Steel Stairs
07212 Miscellaneous Building Insulation
07250 Sprayed Fire-Resistive Materials
08110 Steel Doors And Frames

08524 Aluminum Projected Windows
09260 Gypsum Board Assemblies
09310 Ceramic Tile
09510 Acoustic Ceilings
09650 Resilient Flooring
09680 Carpet
10151 Toilet Compartments
10505 Metal Lockers

Supporting Documentation:
Letter with material cost for divisions 2-10
Construction Cost Table
Recycled Content- Summary Form
Contractor's Sustainable Materials Forms

M2.2 Recycled Content, 20% (post-consumer + ½ pre-consumer)
Credit is not feasible.
The project does not meet the 20% threshold. Refer to credit M 2.1R above.

SCA Standards:
Applicable SCA Specification Sections:
S01352 Sustainability
02521 - Concrete Curbs and Pavements
02513 – Sidewalk and Street Paving
03300 - Cast-in-Place Concrete
04200 – Unit Masonry
05120 - Structural Steel
05710 – Steel Stairs
07211 – Perimeter Foundation Insulation
07250 – Sprayed Fire-Resistive Materials
07560 – Fluid-applied Protected Membrane Roofing
08524 – Aluminum Projected Windows
09260 - Gypsum Board Assemblies
09310 - Ceramic Tile
09510 - Acoustic Ceilings
09650 - Resilient Flooring
10151 – Toilet Compartments

Supporting Documentation:
Letter with material cost for divisions 2-10
Construction Cost Table
Recycled Content- Summary Form
Contractor's Sustainable Materials Forms

M2.3 Regional Materials, 10% Extracted, Processed & Manufactured
Credit is feasible.
The project specifications include language for regional materials for materials. The project followed the SCA standards which are included in S01352 and the applicable sections. The project tracked regional material percentages and material costs throughout construction through the submittal process. Based on an assumed materials cost of 40% of the Total Construction Cost for CSI Divisions 2-10 ($XX,XXX,XXX x 40% = $X,XXX,XXX), the amount of regionally manufactured materials is $X,XXX,XXX or 16.73%, exceeding the 10% credit threshold.
See Regional Materials Summary Form for additional information.

Applicable SCA Standard Specifications:
02200 Earthwork

02511 Asphaltic Concrete Paving
02513 Sidewalk and Street Paving
02900 Landscaping
03300 Cast-in-Place Concrete
04200 Unit Masonry
04435 Cast Stone
05120 Structural Steel
05300 Metal Deck
07211 Perimeter Foundation Insulation
07212 Miscellaneous Building Insulation
09260 Gypsum Board Assemblies
09310 Ceramic Tile

Supporting Documentation:
Letter with material cost for divisions 2-10
Construction Cost Table
Regional Materials- Summary Form
Contractor's Sustainable Materials Forms

M2.4 Regional Materials, 20% Extracted, Processed & Manufactured
Credit is not feasible.
The project does not meet the 20% threshold. Refer to credit M 2.3R above

Supporting Documentation:
Letter with material cost for divisions 2-10
Construction Cost Table
Regional Materials- Summary Form
Contractor's Sustainable Materials Forms

M2.5R Wallboard & Roof Deck Products, Mold Resistance
The project specifications include language, which specifies mold resistant wallboard products. The project Architect will specify and the project will purchase compliant applicable materials at the building envelope. The project will track materials throughout construction for compliance with mold resistant requirements of the specification and will comply with credit requirements. There are no Construction phase GSG submittals required.

SCA Standards:
Applicable SCA Specification Sections:
S01352 Sustainability
07212 Miscellaneous Building Insulation
07250 Sprayed Fire-Resistive Materials
09260 Gypsum Board Assemblies

Q 1.1P- Minimum IAQ Performance
The Air Balancing Report cover page with the Engineer's approval stamp has been provided.

SCA Standards:
Applicable SCA Design Requirements include:
6.2.0 General Overview of Heating Ventilation and Air Conditioning Systems
6.2.1 HVAC Unit Centralization and Coordination
6.2.3 Non-Assembly Spaces (Classrooms, Offices, etc.)
6.2.4 Public Assembly Spaces
6.2.9 Heating and Cooling Design Parameters (Load Calculations)

Applicable SCA Standard Specifications include:
S01550 Indoor Air Quality Requirements
15853 Custom Packaged Rooftop Heating and Cooling Units (Variable Air Volume System)
15930 Variable Air Terminals

15935 Single Zone Variable Air Volume (SZVAV) Air Handling Units for Public Assembly Spaces
15985 Sequence of Operations
15992 Cleaning and Testing
15993 Balancing of Systems

Supporting Documentation:
Air Balancing Report Cover Page with approval stamp

Q 1.2R- Outdoor Air Delivery Monitoring
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required from the AOR or Contractor.

SCA Standards:
Applicable SCA Design Requirements:
6.2.0 - General Overview of HVAC Systems
6.2.1 - HVAC Unit Centralization and Coordination
6.2.3 - Non-Assembly Spaces (Classrooms, Offices, etc.)
6.2.4 - Public Assembly Spaces
6.2.9 - Heating and Cooling Design Parameters (Load Calculations)

Applicable SCA Specification Sections:
15970 - Temperature Control System (Lonworks BMS/DDC with School Operating Console)
15985 - Sequence of Operations

Q2.1R- CONSTRUCTION IAQ MANAGEMENT PLAN, DURING CONSTRUCTION

Credit achievement is feasible.
During construction, the SMACNA IAQ Guidelines for Occupied Buildings Under Construction, 2007 version, were incorporated in the General Contractor's IAQ Plan. The IAQ Management Plan has been implemented as per SCA specification Section S01550. Per GSG requirements, six of the required measures identified in the IAQ Plan have been dated and annotated. Additionally, installation sequence of finish materials has been completed as per the requirements of Section S01560.

SCA Standards:
Applicable SCA Standard Specifications include:
S01550 Indoor Air Quality Requirements
S01560 Installation Sequence of Finish Materials

Supporting Documentation:
IAQ Management Plan
IAQ Photo Tracking Matrix
Photos of SMACNA IAQ Measures

Q 2.2R Construction IAQ Management Plan, Before Occupancy

Credit achievement is feasible. Flush out calculations have been completed per specifications. The letter from Mechanical Contractor verifying the completion of the flush-out, including dates, air rates, air volumes, and temperature and humidity levels maintained during the flush-out, is attached. Prior to occupancy, new filtration media was installed, and 14,000 CFM was supplied to the space, while maintaining an internal temperature at least 60ºF dry bulb and relative humidity no higher than 60%. The volume of outside and indoor temperature and humidity conditions has been measured/monitored by the BMS system. After complying with this requirement, all ventilation systems will operate in normal mode.

SCA Standards:
Applicable specification sections to be included:
G01700 Project Closeout
S01352 Sustainability
S01550 – Indoor Air Quality Requirements

Supporting Documentation:
Flush-Out Letter

Q 3.1R Low-Emitting Materials, Adhesives & Sealants

This credit was achieved by using low emitting adhesives and sealants on the interior of the building which comply with the VOC limits listed in SCA Standard Specification G01600 Material and Equipment, and the LEED v4 VOC Budget Calculation Method as approved by the SCA GSG committee.
All factory applied products have been verified by the consultant with the contractor and excluded from the summary forms.

SCA Standards:
Applicable SCA Standard Specifications Include:
S01352 Sustainability Requirements
G01600 Material and Equipment
06100 Rough Carpentry
06200 Finish Carpentry
06410 Custom Casework
07900 Joint Sealers
08210 Wood Doors
08524 Aluminum Projected Windows
08800 Miscellaneous Glazing
09260 Gypsum Board Assemblies
09310 Ceramic Tile
09510 Acoustical Ceilings
09650 Resilient Flooring
09680 Carpet
10100 Visual Display Boards
10400 Identifying Devices
10415 Bulletin Boards, Glazed Display Boards, Display Cabinets and Cases
10830 Mirrors
Div 15 - All HVAC and P&D adhesives and sealers

Supporting Documentation:
Low Emitting Materials Summary Form A, Adhesives and Sealants

Q 3.2R Low-Emitting Materials, Paints & Coatings

This credit was achieved by only using low emitting paints and coatings on the interior of the building which complies with the VOC limits listed in SCA Standard Specification G01600 Material and Equipment. All materials used for the interior are listed in the summary form. The paint used to denote gamelines on gym floors is excluded. The design team monitored compliance throughout construction by reviewing contractor submittals. All factory applied products have been verified by the consultant with the contractor and excluded from the summary forms.

SCA Standards:
Applicable specification sections to be included:

S01352 Sustainability
G01600 Material and Equipment
09590 Wood Flooring
09675 Fluid Applied Equipment Room Flooring
09900 Painting
DIV 15 All HVAC and P&D adhesives and sealers

Supporting Documentation:
Low Emitting Materials Summary Form B, Paints and Coatings

Q 3.3R Low-Emitting Materials, Flooring Systems

This credit was achieved by ensuring all carpet and carpet cushion met the testing and product requirements of the Carpet and Rug Institute's (CRI) Green Label Plus Program. Additionally, all carpet adhesives were specified to meet the requirements in credit Q3.1R, limiting the VOC content to 50g/L. All resilient wood and ceramic flooring and wall base products were FloorScore Certified. All floor finishes met SCAQMD Rule #1113, and tile adhesives and grout met SCAQMD Rule #1168. The design team monitored compliance throughout construction by reviewing contractor submittals.

SCA Standards:
Applicable specification sections to be included:
S01352 Sustainability
G01600 Material and Equipment
09310 Ceramic Tile
09590 Wood Flooring
09650 Resilient Flooring

Supporting Documentation:
Low Emitting Materials Summary Form B, Flooring Systems

Q3.4R Low-Emitting Materials, Composite Wood & Agrifiber Products
This credit was achieved by ensuring that all composite wood, agrifiber products, and related adhesives contained no added urea-formaldehyde resins. This included casework, millwork, plywood sub-floorings, wood doors, and mounting boards to MEP panels. The design team monitored compliance throughout construction by reviewing contractor submittals.

SCA Standards:
Applicable specification sections to be included:
S01352 Sustainability
06100 Rough Carpentry
06200 Finish Carpentry
06410 Custom Casework
08210 Wood Doors
09590 Wood Flooring
10415 Bulletin Boards

Supporting Documentation:
Low Emitting Materials Summary Form B, Composite Wood and Agrifiber Products

Q 4.1R Indoor Chemical & Pollutant Source Control
The Air Balancing Report cover page with the Engineer's approval stamp has been provided.

SCA Standards:
Applicable SCA Design Requirements include:
1.3.4.1 Entrances and Exits
6.2.0 General Overview of Heating Ventilation and Air Conditioning Systems
6.2.28 HVAC Design Requirements for Special Spaces

Applicable SCA Standard Specifications include:
12485 Foot Grilles
15853 Custom Packaged Rooftop Heating and Cooling Units (Variable Air Volume System)
15935 Single Zone Variable Air Volume (SZVAV) Air Handling Units for Public Assembly Spaces

Supporting Documentation:
Air Balancing Report Cover Page

Q 4.2R Electric Ignition Stoves
This credit is not feasible as there will not be any gas-fired cooking equipment on this project. There are no Construction phase GSG submittals required.

Q 4.3R Post Construction Indoor Air Quality
This credit was achieved. Two HEPA vacuums were included on the specifications and drawings and on the SCA/DOE equipment list.

SCA Standards:
None

Supporting Documentation:
Email from F&E (confirmation of HEPA Vacuum)
HEPA vacuum shipment confirmation

Q 5.1R Controllability of Systems, Lighting
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Q 5.2R Controllability of Systems, Thermal Comfort
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Q 6.1R Thermal Comfort, Design
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Q 7.1 Daylight & Views, Daylight 75% of Classrooms
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Q 7.2 Daylight & Views, Daylight 90% of Classrooms
Credit achievement is not feasible. It was determined during the design phases that the project achieves achieves 83% daylight for classroom spaces.

Q 7.3 Daylight & Views, Daylight for 75% of Other Spaces
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Q 7.4 Daylight & Views, Views
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Q 7.5R Visual Performance, Artificial Direct-Indirect Lighting
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Q 8.1P Minimum Acoustical Performance
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Q 8.2 Enhanced Acoustical Performance & Sound Isolation for Special Spaces
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Q 8.3R Acoustic Windows
Credit compliance is not feasible. The standard window is used on the project.
This site is not significantly impacted by intrusive environmental noise sources and windows beyond the SCA standard STC-40 assembly are not required.

SCA Standards:
Applicable SCA Design Requirements include:
1.3.1.9 Architectural Acoustic Standards
Applicable SCA Standard Specifications include:
08522 Aluminum Double Hung Windows
Applicable SCA Design Requirements include:
1.3.1.9 Architectural Acoustic Standards

Additional Credits

Required Support
A 1.1R LEED® Accredited Professional
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

A 3.2 Optimize Energy Performance
Credit was documented and accepted during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Optional – Innovation
A 1.2 Innovation or Exemplary Performance
Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

A 1.3 Innovation or Exemplary Performance
Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Optional - Site Impact

A 2.1 Heat Island Effect, Non-Roof

Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

A 2.2 Stormwater Design, Quantity Control

Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

A 2.3 Active Design in a School Environment

Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Optional- Energy

A 3.1 Enhanced Commissioning

Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

A 3.3 On-Site Renewable Energy

Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

A 3.4 Enhanced Energy Management System Controls, HVAC and Hot Water Systems

Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Optional - IEQ

A 4.1 Low-Emitting Materials, Ceiling and Wall System

Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

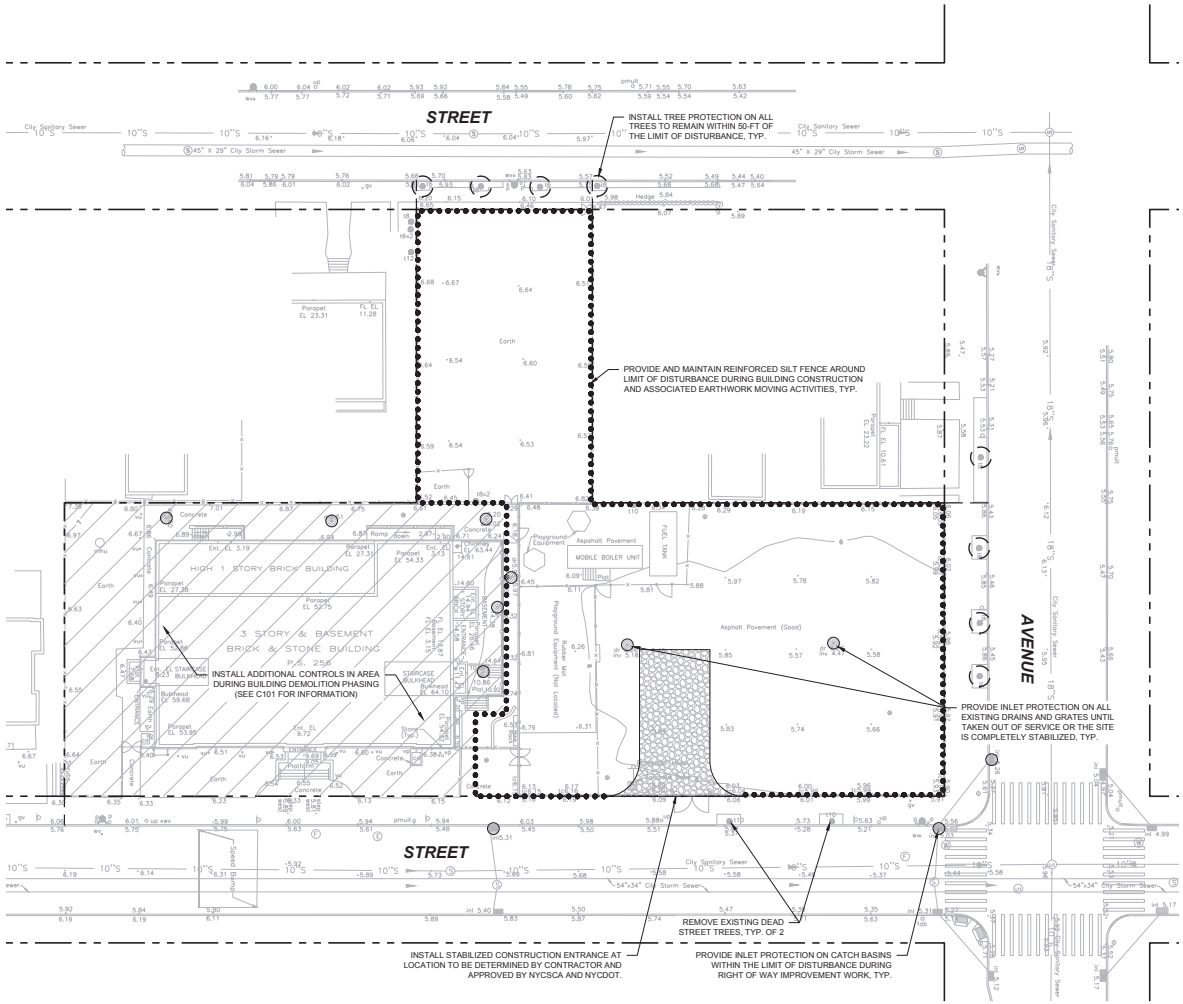
Optional -Education

A 5.1 The School Building as a Teaching Tool

Credit was declared not feasible during Design Phase submissions and there is no documentation that requires an update. There are no Construction phase GSG submittals required.

Note: Erosion and Sedimentation strategies include appropriate strategies such as temporary and permanent seeding, mulching, earth dikes, silt fencing, sediment traps, sediment basins, temporary gravel at construction site entrance, temporary block inlet protection, surface roughening, and surface stabilization, tree preservation and protection, land grading and dust control.

S1.1P– Construction Activity Pollution Prevention



EROSION AND SEDIMENT CONTROL PLAN - PHASE I

SCALE: 1" = 20'

GENERAL NOTES

1. BACKGROUND INFORMATION TAKEN FROM TOPOGRAPHICAL SURVEY FOR "Q 816 (PS 256 ANNEX) BOROUGH OF QUEENS" PREPARED BY MONTROSE SURVEYING CO., LLP., LAST DATED 02-22-17.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM AND 1.10 FT ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.

EROSION AND SEDIMENT CONTROL NOTES

1. THE NYSDEC REQUIRES THE IMPLEMENTATION OF PROTECTIVE MEASURES TO MINIMIZE THE EFFECT OF EROSION AND SEDIMENT MOVEMENT DUE TO CONSTRUCTION ACTIVITIES INVOLVING SOIL DISTURBANCE. THE TEMPORARY MEASURES FOR THIS SITE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE JULY 2016 NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
2. THE CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN FOR THE DURATION OF WORK.
3. ALL CONSTRUCTION VEHICLES HAULING MATERIALS EITHER INTO OR OUT OF THE CONSTRUCTION AREA SHALL HAVE A SECURED TARP PLACED OVER MATERIALS TO PREVENT SEDIMENT POLLUTION OF PUBLIC ROADWAYS, IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS
4. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES DURING CONSTRUCTION. THE CONTRACTOR IS TO MINIMIZE DUST CLOUDS BY SPRINKLING CONSTRUCTION AREA WITH POTABLE WATER OR OTHER NYSDEC APPROVED METHODS.

CONSTRUCTION SCHEDULE

THIS LIST OF ITEMS HAS BEEN PREPARED TO GENERALLY OUTLINE THE MAJOR CONSTRUCTION ELEMENTS AND THE SEQUENCE FOR IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENT CONTROL MEASURES:

1. OBTAIN ALL REQUIRED LOCAL AND STATE PERMITS AND APPROVALS PRIOR TO COMMENCING EARTHWORK.
2. INSTALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS STABILIZED CONSTRUCTION ENTRANCE, REINFORCED SILT FENCE, AND TREE PROTECTION, AS SHOWN ON THE PLANS.
3. REMOVE SITE FEATURES AND DEBRIS. DISPOSE OF WASTE MATERIALS OFF-SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND PROJECT SPECIFICATIONS FOR CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL.
4. INSTALL PERMANENT STORMWATER DRAINAGE SYSTEM. IMMEDIATELY UPON INSTALLATION OF AREA DRAINS, INSTALL INLET PROTECTION AS SHOWN ON THE PLANS.
5. CLEAR AND GRUB SITE AS REQUIRED PRIOR TO ROUGH GRADING OF AN AREA. AREAS WHERE ROUGH GRADING IS NOT IMMEDIATE SHALL REMAIN UNDISTURBED.
6. EXCAVATES AREAS REQUIRED FOR NEW BUILDING CONSTRUCTION. STOCKPILE AND STABILIZE EXCAVATED MATERIAL IN AREAS APPROVED BY THE CONTRACTOR.
7. SPRINKLE AREAS OF EXPOSED SOIL AND SOIL STOCKPILES WITH POTABLE WATER AS NECESSARY TO CONTROL DUST.
8. COMPLETE FINE-GRADING AND PERMANENT STABILIZATION. SEED AND PLANT SITE AS SHOWN ON THE LANDSCAPE ARCHITECTURE PLANS.
9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AFTER THE SITE HAS BEEN COMPLETELY STABILIZED. ALL STORMWATER STRUCTURES WITHIN THE SITE MUST BE CLEAR OF SEDIMENT.

LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- TREE PROTECTION — 1 / C-150
- CONSTRUCTION ENTRANCE — 4 / C-150
- REINFORCED SILT FENCE — 5 / C-150
- INLET PROTECTION — 6 / C-150

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES

1. ALL CONTROL MEASURES ARE TO BE MAINTAINED ON A DAILY BASIS AND AFTER EACH SIGNIFICANT RAINFALL EVENT.
2. ANY MATERIAL REMOVED FROM A TEMPORARY CONTROL MEASURE MUST BE HANDLED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATORY STANDARDS.
3. ALL MAINTENANCE METHODS DESCRIBED AS FOLLOWS ARE IN ACCORDANCE WITH THE JULY 2016 NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL METHODS AS FOLLOWS:

- REINFORCED SILT FENCE: REMOVE SEDIMENT FROM THE SILT FENCE WHEN ACCUMULATION REACHES APPROXIMATELY 6 INCHES OR WHEN BULGES DEVELOP. REPAIR THE SILT FENCE AS NECESSARY TO MAINTAIN A CONSTANT BARRIER.
- TEMPORARY WOODEN TREE GUARDS: ROUTINELY INSPECT TREE GUARDS FOR INTEGRITY. REPAIR OR REPLACE IF DAMAGE IS OBSERVED.
- STABILIZED CONSTRUCTION ENTRANCE: MAINTAIN IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC-RIGHT-OF-WAYS. ALL SEDIMENT SPILLED, DROPPED, TRACKED, OR WASHED ONTO THE PUBLIC-RIGHT-OF WAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- FABRIC INLET PROTECTION: INSPECT THE FABRIC BARRIER AFTER EACH RAIN EVENT AND MAKE REPAIRS AS NEEDED. REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY WITH CARE NOT TO UNDERCUT OR DAMAGE THE FILTER FABRIC. UPON STABILIZATION OF THE DRAINAGE AREA, REMOVE ALL MATERIALS AND UNSTABLE SEDIMENT AND DISPOSE OF PROPERLY. BRING THE ADJACENT AREA OF THE DROP INLET TO GRADE, SMOOTH, COMPACT, AND STABILIZE IN THE APPROPRIATE MANNER TO THE SITE.
- DUST CONTROL: MAINTAIN DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED.
- DISTURBED LAND: SEED AND STABILIZE ANY LAND DISTURBED AND EXPOSED FOR MORE THAN 14 DAYS. APPLY RYEGRASS AT 30 LB./ACRE IN SPRING AND SUMMER, OR WINTER RYE AT 100 LB./ACRE IN LATE FALL THROUGH EARLY WINTER. MULCH THE AREA WITH HAY OR STRAW AT 2 TONS/ACRE AND ANCHOR WHERE WIND AND AREAS OF CONCENTRATED WATER ARE CONCERNED.

President & CEO
Lorraine Grillo

Board of Trustees
Chancellor Carmen Fariña, Chairperson
Curtis A. Harris
Emily A. Youssouf

SCA
School Construction Authority

Architecture & Engineering

ARCHITECT

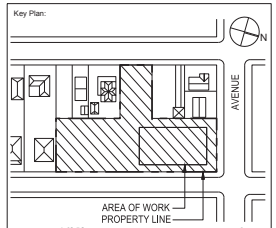
Preliminary
Not For Construction

NOTE: Drawing may be printed at reduced scale

IT IS A VIOLATION OF THE STATE EDUCATION LAW SECTION 7209 (2) FOR ANY PERSON TO ALTER AN ITEM IN ANY WAY UNLESS SUCH PERSON IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, AND THE ENGINEER STAMPS SUCH CHANGES

No.	Date	Revision
4	08/07/2017	COMPLIANCE
3	07/07/2017	100% SUBMISSION
2	05/12/2017	60% SUBMISSION
1	03/10/2017	30% SUBMISSION

Key Plan:



Block # 16258 Lot # 6

SCA Design Manager:
Project Architect/Engineer:
Discipline Lead:
Designer:
Drawn by:
Checked by:

LLW No.:	Facility Code:	Date:
	Q	08/31/17

Project:
PS
REPLACEMENT BUILDING

Address:
QUEENS, NY 11694

Drawing Title:
SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE I

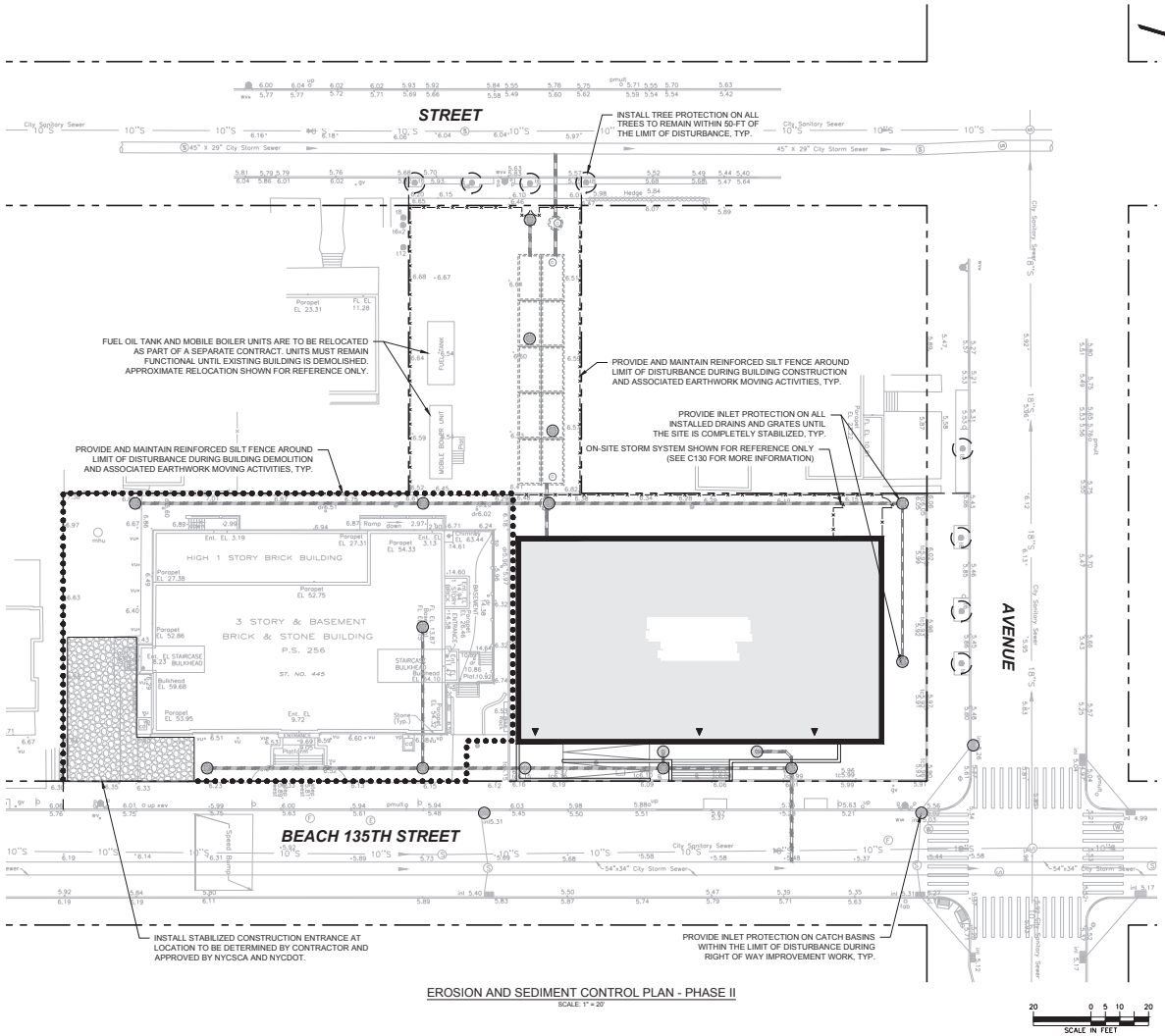
Drawing No.: C100.00

Sheets in Contract Set: 31 OF 372

Sheets in DOB Set: 24 OF 261

Page 19

Filename: \\langan.com\data\NYC\data\217041\6201\Cadd Data - 170416201\Sheet\Files\Site-Civil\C100.00 - Soil Erosion & Sediment Control Plan.dwg Date: 8/11/2017 Time: 11:54 Table: Langan.stb Layout: C100.00



EROSION AND SEDIMENT CONTROL PLAN - PHASE II

SCALE: 1" = 20'

SCALE IN FEET

GENERAL NOTES

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2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.625 FEET BELOW THE QUEENS TOPOGRAPHICAL BUREAU DATUM AND 1.10 FT ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.

EROSION AND SEDIMENT CONTROL NOTES

1. THE NYSDEC REQUIRES THE IMPLEMENTATION OF PROTECTIVE MEASURES TO MINIMIZE THE EFFECT OF EROSION AND SEDIMENT MOVEMENT DUE TO CONSTRUCTION ACTIVITIES INVOLVING SOIL DISTURBANCE. THE TEMPORARY MEASURES FOR THIS SITE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE JULY 2016 NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
2. THE CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN FOR THE DURATION OF WORK.
3. ALL CONSTRUCTION VEHICLES HAULING MATERIALS EITHER INTO OR OUT OF THE CONSTRUCTION AREA SHALL HAVE A SECURED TARP PLACED OVER MATERIALS TO PREVENT SEDIMENT POLLUTION OF PUBLIC ROADWAYS, IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS
4. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES DURING CONSTRUCTION. THE CONTRACTOR IS TO MINIMIZE DUST CLOUDS BY SPRINKLING CONSTRUCTION AREA WITH POTABLE WATER OR OTHER NYSDEC APPROVED METHODS.

CONSTRUCTION SCHEDULE

THIS LIST OF ITEMS HAS BEEN PREPARED TO GENERALLY OUTLINE THE MAJOR CONSTRUCTION ELEMENTS AND THE SEQUENCE FOR IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENT CONTROL MEASURES:

1. OBTAIN ALL REQUIRED LOCAL AND STATE PERMITS AND APPROVALS PRIOR TO COMMENCING EARTHWORK.
2. INSTALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS STABILIZED CONSTRUCTION ENTRANCE, REINFORCED SILT FENCE, AND TREE PROTECTION, AS SHOWN ON THE PLANS.
3. REMOVE SITE FEATURES AND DEBRIS. DISPOSE OF WASTE MATERIALS OFF-SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND PROJECT SPECIFICATIONS FOR CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL.
4. INSTALL PERMANENT STORMWATER DRAINAGE SYSTEM. IMMEDIATELY UPON INSTALLATION OF AREA DRAINS, INSTALL INLET PROTECTION AS SHOWN ON THE PLANS.
5. CLEAR AND GRUB SITE AS REQUIRED PRIOR TO ROUGH GRADING OF AN AREA. AREAS WHERE ROUGH GRADING IS NOT IMMEDIATE SHALL REMAIN UNDISTURBED.
6. EXCAVATES AREAS REQUIRED FOR NEW BUILDING CONSTRUCTION. STOCKPILE AND STABILIZE EXCAVATED MATERIAL IN AREAS APPROVED BY THE CONTRACTOR.
7. SPRINKLE AREAS OF EXPOSED SOIL AND SOIL STOCKPILES WITH POTABLE WATER AS NECESSARY TO CONTROL DUST.
8. COMPLETE FINE-GRADING AND PERMANENT STABILIZATION. SEED AND PLANT SITE AS SHOWN ON THE LANDSCAPE ARCHITECTURE PLANS.
9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AFTER THE SITE HAS BEEN COMPLETELY STABILIZED. ALL STORMWATER STRUCTURES WITHIN THE SITE MUST BE CLEAR OF SEDIMENT.

LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- TREE PROTECTION — 1 / C-150
- CONSTRUCTION ENTRANCE — 4 / C-150
- REINFORCED SILT FENCE — 5 / C-150
- INLET PROTECTION — 6 / C-150

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES

1. ALL CONTROL MEASURES ARE TO BE MAINTAINED ON A DAILY BASIS AND AFTER EACH SIGNIFICANT RAINFALL EVENT.
2. ANY MATERIAL REMOVED FROM A TEMPORARY CONTROL MEASURE MUST BE HANDLED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATORY STANDARDS.
3. ALL MAINTENANCE METHODS DESCRIBED AS FOLLOWS ARE IN ACCORDANCE WITH THE JULY 2016 NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL METHODS AS FOLLOWS:
   - REINFORCED SILT FENCE: REMOVE SEDIMENT FROM THE SILT FENCE WHEN ACCUMULATION REACHES APPROXIMATELY 6 INCHES OR WHEN BULGES DEVELOP. REPAIR THE SILT FENCE AS NECESSARY TO MAINTAIN A CONSTANT BARRIER.
   - TEMPORARY WOODEN TREE GUARDS: ROUTINELY INSPECT TREE GUARDS FOR INTEGRITY. REPAIR OR REPLACE IF DAMAGE IS OBSERVED.
   - STABILIZED CONSTRUCTION ENTRANCE: MAINTAIN IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC-RIGHT-OF-WAYS. ALL SEDIMENT SPILLED, DROPPED, TRACKED, OR WASHED ONTO THE PUBLIC-RIGHT-OF WAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
   - FABRIC INLET PROTECTION: INSPECT THE FABRIC BARRIER AFTER EACH RAIN EVENT AND MAKE REPAIRS AS NEEDED. REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY WITH CARE NOT TO UNDERCUT OR DAMAGE THE FILTER FABRIC. UPON STABILIZATION OF THE DRAINAGE AREA, REMOVE ALL MATERIALS AND UNSTABLE SEDIMENT AND DISPOSE OF PROPERLY. BRING THE ADJACENT AREA OF THE DROP INLET TO GRADE, SMOOTH, COMPACT, AND STABILIZE IN THE APPROPRIATE MANNER TO THE SITE.
   - DUST CONTROL: MAINTAIN DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED.
   - DISTURBED LAND: SEED AND STABILIZE ANY LAND DISTURBED AND EXPOSED FOR MORE THAN 14 DAYS. APPLY RYEGRASS AT 30 LB./ACRE IN SPRING AND SUMMER, OR WINTER RYE AT 100 LB./ACRE IN LATE FALL THROUGH EARLY WINTER. MULCH THE AREA WITH HAY OR STRAW AT 2 TONS/ACRE AND ANCHOR WHERE WIND AND AREAS OF CONCENTRATED WATER ARE CONCERNED.

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NOTE: Drawing may be printed at reduced scale

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No.	Date	Revision
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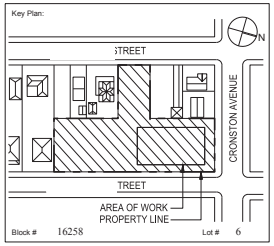
Key Plan:



Block # 16258 Lot # 6

SCA Design Manager:		
Project Architect/Engineer:		
Discipline Lead:		
Designer:		
Drawn by:		
Checked by:		
LLW No.:	Facility Code: Q	Date: 08/31/17

Project:
PS
REPLACEMENT BUILDING

Address:
STREET, QUEENS, NY 11694

Drawing Title:
SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE II

Drawing No.: C101.00

Sheets in Contract Set: 32 OF 372

Sheets in DOB Set: 25 OF 261

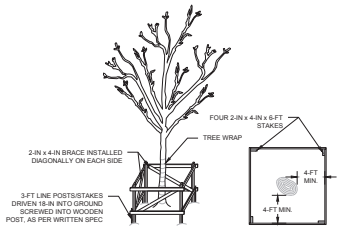
Filename: \\angan.com\data\NYC\data\217041\8201\Cadd Data - 170418201\Sheet\Files\Site-Civil\C100.00 - Soil Erosion & Sediment Control Plan.dwg Date: 8/11/2017 Time: 11:54 User: layout: C101.00

NYCDPR STANDARD NOTES

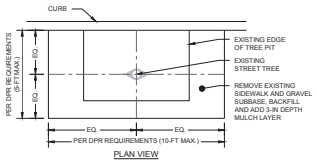
1. CONTRACTOR WILL CONTACT NYC PARKS IF ANY UNDERGROUND INFRASTRUCTURE (GAS/WATER/ELECTRIC ETC.) AFFECTS ANY PROPOSED/EXISTING TREES ON SITE.
2. CONSTRUCTION PROJECT MANAGER IS AWARE THAT ANY WORK DONE ON OR NEAR A CITY TREE REQUIRES A PERMIT FROM NYC PARKS. THIS INCLUDES UTILITY, SIDEWALK, PRUNING OR ANY OTHER WORK WITHIN THE DRIPLINE OF A TREE (WITHIN THE RIGHT OF WAY) DONE BY THE GENERAL CONTRACTOR OR ANY SUBCONTRACTORS.
3. CONTRACTOR WILL FOLLOW NYC PARKS PLANTING & FORESTRY SPECIFICATIONS.
4. UTILITIES MAY NOT BE LABELED. IF UNKNOWN, THE CONSTRUCTION PROJECT MANAGER MUST AMEND PLAN WITH NYC PARKS IN THE FUTURE.
5. ALL PIT SIZES INDICATED ARE TO BE FULLY EXCAVATED TO THE DIMENSIONS LABELED AND REPLACED WITH NEW TOPSOIL TO THE NYC PARKS STANDARDS.

NYCDPR STANDARD TREE PROTECTION NOTES

1. ANYONE PERFORMING ANY AND ALL WORK PERFORMED WITHIN 50 FEET OF A CITY TREE MUST POSSESS A PERMIT ISSUED BY THE NYC PARKS DEPARTMENT TO AVOID UNSAFE, HAZARDOUS AND OTHER CONDITIONS WHICH MAY BE DETRIMENTAL OR POTENTIALLY DETRIMENTAL TO ANY CITY TREE. IT IS INCUMBENT UPON THE APPLICANT TO ASCERTAIN AS TO WHETHER OR NOT THERE ARE ANY TREES OR TREE ROOTS SITUATED WITHIN THE CITY RIGHT OF WAY. ANY AND ALL TREES THAT FALL WITH THE JURISDICTION OF THE NYC PARKS DEPARTMENT ARE PROTECTED BY LAW FROM ANY AND ALL DAMAGE THERETO INCLUDING BUT NOT LIMITED TO ANY INCIDENTAL DAMAGES, DAMAGE TO THE CANOPY, OR DAMAGE TO THE TRUNK OR ROOT ZONE DURING AND IN THE COURSE OF ANY AND ALL CONSTRUCTION ACTIVITIES, AND ALSO THE AFTERMATH OF ANY AND ALL CONSTRUCTION ACTIVITIES. NO CUTTING OR OTHERWISE DAMAGING OF TREE ROOTS IS PERMITTED. ANY AND ALL TREE WORK MUST BE PERMITTED. TREE WORK PERFORMED ABSENT A PERMIT CAN PRECIPITATE SERIOUS FINANCIAL AND LEGAL REPERCUSSIONS. VIOLATIONS AND MISDEMEANORS ARE PUNISHABLE BY A FINE NOT TO EXCEED $15,000 AND/OR IMPRISONMENT FOR UP TO ONE YEAR. ANY AND ALL APPLICATIONS RELATING TO CONSTRUCTION ACTIVITIES MUST BE ACCOMPANIED BY THE APPROPRIATE DOCUMENTATION AS REQUESTED PER P-A FORESTRY APPLICATION OR UPON FORESTER REQUEST.
2. APPLICANT SHALL NOTIFY NYC PARKS/ FORESTRY AT LEAST 20 BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK REQUIRING A PERMIT.
3. TEMPORARY WOODEN TREE GUARDS AND TEMPORARY SNOW FENCE BOUNDARY SHALL BE INSTALLED IMMEDIATELY AROUND EACH TREE IMPACTED BY DEMOLITION AND/OR CONSTRUCTION AND MAINTAINED THROUGHOUT THE COURSE OF THE ENTIRE DEMOLITION AND CONSTRUCTION PROCESS.
4. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT THE ROOT SYSTEMS OF THE EXISTING TREES. BULK MATERIAL, EQUIPMENT, SCAFFOLD FOOTINGS, OR VEHICLES SHALL NOT BE STOCKPILED OR PARKED WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ANY TREE, OR WITHIN TEN (10) FT. OF THE TRUNK (WHICHEVER IS GREATER). THIS IS DONE TO MINIMIZE SURFACE AND SUBSURFACE ROOT AND SOIL COMPACTION. THIS APPLIES TO ALL CRZS WITHIN OR OUTSIDE THE PROJECT LIMIT LINE. EVERY INCH OF DBH (DIAMETER BREAST HEIGHT) OF THE TREE REPRESENTS ONE REQUIRED RADIAL FOOT OF TREE PROTECTION.
5. IF STOCKPILING OCCURS WITHIN THE CRZ, A STOP WORK ORDER SHALL BE ISSUED IMMEDIATELY TO THE NYC DEPARTMENT OF BUILDINGS. ADDITIONAL VIOLATIONS MAY BE ISSUED AND MAY REQUIRE REMEDIAL WORK TO REMAIN WITHIN FORESTRY INSPECTOR'S PRESCRIBED TIMEFRAME. WORK SHALL NOT RE-COMMENCE UNTIL ALL STOCKPILED MATERIAL IS REMOVED FROM THE CRZ AND TREE REMEDIATION IS SATISFIED.
6. IF ANY MACHINERY IS OPERATING WITHIN THE CRZ THE AFFECTED AREA SHALL BE COVERED WITH MULCH TO A DEPTH OF AT LEAST TWELVE (12)-INCHES AND COVERED WITH PLYWOOD OR METAL PLATES TO DISTRIBUTE WEIGHT IN ORDER TO PROTECT ROOTS FROM DAMAGE CAUSED BY HEAVY EQUIPMENT. SUCH COVERING SHALL BE MAINTAINED DURING THE COURSE OF CONSTRUCTION AND REMOVED BY HAND OR AS SPECIFIED BY THE CONTRACTED CERTIFIED ARBORIST OR FORESTRY INSPECTOR WITH ASSOCIATED PHOTOS REPORTED ACCORDINGLY. HEAT SOURCES, FLAMES, IGNITION SOURCES, AND SMOKING ARE PROHIBITED WITHIN THE CRZ AND WITHIN THE ABOVE MENTIONED MULCHED AREA.
7. WHEN A DEFICIENCY IN TREE PROTECTION IS DETERMINED BY A FORESTRY INSPECTOR IT MUST BE REMEDIED IMMEDIATELY. FAILURE TO CORRECT THE DEFICIENCY IMMEDIATELY MAY RESULT IN VIOLATIONS AND SUMMONS.
8. ANY DAMAGE TO EXISTING TREES DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL PERFORM REMEDIAL WORK TO DAMAGED TREES AT THE CONTRACTOR'S EXPENSE; THIS WORK SHALL MEET ALL NYC PARKS REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO COMPLY WITH NYC PARKS REGULATIONS. ADDITIONAL RESOURCES ARE AVAILABLE AT THE NYC PARKS WEBSITE.
9. CONTRACTOR WILL CONTACT NYC PARKS IF ANY UNDERGROUND INFRASTRUCTURE (GAS, WATER/ELECTRIC ETC.) AFFECTS ANY PROPOSED/EXISTING TREES ONSITE. PROJECT MANAGER IS AWARE THAT ANY WORK DONE ON OR WITHIN 50 FEET OF A CITY TREE REQUIRES A PERMIT FROM NYC PARKS. THIS INCLUDES UTILITY, SIDEWALK, PRUNING, OR ANY OTHER WORK WITHIN THE CRZ OF A TREE (WITHIN THE CITY RIGHT OF WAY) DONE BY THE GENERAL CONTRACTOR OR ANY SUBCONTRACTORS. CONTRACTOR WILL BE FAMILIAR WITH, AND FOLLOW NYC PARKS PLANTING AND FORESTRY SPECIFICATIONS. IN SOME INSTANCES, UTILITIES MAY NOT BE LABELED ON PROPOSED SITE PLAN. IF UTILITIES ARE UNKNOWN, THE PROJECT MANAGER MUST AMEND THE PLANS AND REQUEST THEIR PLANS BE REAPPROVED BY NYC PARKS.
10. CONSTRUCTION ACCESS ROUTE IS TO BE DIAGRAMMED AND ROUTED TO MINIMALLY IMPACT ANY EXISTING FINAL ROUTE SHALL BE ESTABLISHED ON SITE AND APPROVED BY THE FORESTRY INSPECTOR. SITE PLANS ARE TO BE INCLUDED AND AMENDED ACCORDINGLY WHEN REQUESTING NYC PARKS APPROVAL.
11. ROOTS OVER ONE (1)-INCH IN DIAMETER SHALL NOT BE CUT WITHOUT THE WRITTEN PERMISSION OF THE BOROUGH DIRECTOR OF FORESTRY.
12. TO BEST PROTECT TREE ROOTS THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN REMOVING CONCRETE OR ASPHALT WITHIN THE CRZ OF EXISTING TREES. PAVEMENT SHOULD BE LIFTED RATHER THAN DRAGGED. ANY EXCAVATION WITHIN THE CRZ, OR ELSEWHERE ON SITE, AS INDICATED ON TREE PROTECTION PLAN, SHALL BE DONE BY HAND OR PNEUMATIC EXCAVATION AND IN THE PRESENCE OF THE FORESTRY INSPECTOR OR CONTRACTED CERTIFIED ARBORIST WITH ASSOCIATED PHOTOS AND REPORT TO BE FILED WITH NYC PARKS FORESTRY INSPECTOR. CONTRACTOR IS TO SCHEDULE APPOINTMENT WITH FORESTRY INSPECTOR ACCORDINGLY.
13. THE EXCAVATION AREA WITHIN THE CRZ SHALL BE BACKFILLED IMMEDIATELY AND/OR ROOTS SHALL BE KEPT CONSTANTLY MOIST WITH BURLAP COVERED WITH WHITE PLASTIC AND CHECKED A MINIMUM OF TWO (2) TIMES A DAY, ONCE IN THE MORNING AND ONCE IN THE AFTERNOON; FOR A MAXIMUM OF FORTY-EIGHT (48) HOURS, UNTIL BACKFILL IS COMPLETE AS DIRECTED BY THE DIRECTOR OF LANDSCAPE CONSTRUCTION AND THE RESIDENT ENGINEER. IF DIRECTED, SOAKER HOSES SHALL BE INSTALLED TO FACILITATE PROPERLY MOIST CONDITIONS. NO POOLING OF WATER OR CONTINUOUS RUNNING WATER SHALL OCCUR WITHIN THE DRIP LINE OF EXISTING TREES OR WITHIN THE TREE PROTECTION ZONES OTHER THAN THAT DURING THE IRRIGATION PROCESS.
14. IF ROOTS ARE TO BE EXPOSED FOR A PERIOD GREATER THAN FORTY-EIGHT (48)-HOURS, THE EXPOSED AREA SHALL BE COVERED WITH AT LEAST SIX (6)-INCHES OF MULCH AND MAINTAINED MOIST DURING THE COURSE OF CONSTRUCTION UNTIL THE AREA CAN BE PROPERLY BACKFILLED. PHOTOS TO BE TAKEN PERIODICALLY AND REPORTED TO THE FORESTRY INSPECTOR BY LANDSCAPE CONTRACTOR OR CONTRACTED CERTIFIED ARBORIST.
15. NO RUNOFF OR SPILLAGE OF NOXIOUS MATERIALS WHILE MIXING, PLACING, OR STORING CONSTRUCTION MATERIAL SHALL OCCUR WITHIN THE TREE PIT OR CRZ. NO PONDING, ERODING, OR EXCESSIVE WETTING CAUSED BY DEWATERING OPERATIONS SHALL OCCUR WITHIN TREE PIT OR CRITICAL ROOT ZONE.
16. ALL EXISTING TREES BEING PROTECTED ON PROPOSED JOBSITE ARE TO BE WATERED 20 GALLONS ONCE WEEKLY BETWEEN MARCH 1 AND OCTOBER 30 ACCORDINGLY TO BEST PRESERVE EXISTING TREES DURING DEMOLITION AND CONSTRUCTION PROCESSES. WATERING SHALL BE DONE IN A MANNER THAT THERE SHOULD NOT BE STANDING WATER AROUND THE TREE.
17. UNLESS OTHERWISE NOTED IT IS BEST TO KEEP EXISTING CONCRETE WITHIN TREE PROTECTION ZONE AS LONG AS POSSIBLE UNTIL REMOVAL AND REINSTALLATION OF NEW SIDEWALK. CONCRETE SHOULD BE LEFT INTACT THROUGHOUT THE DEMOLITION AND CONSTRUCTION PROCESS TO PREVENT FURTHER SOIL COMPACTION ON EXISTING TREE ROOTS. OTHER WORK MAY BE SPECIFIED BY FORESTRY INSPECTOR TO BE DONE WITHIN A PRESCRIBED TIMEFRAME. METAL GRATES ARE TO BE REMOVED IMMEDIATELY. COBBLESTONES ARE TO BE REMOVED IMMEDIATELY AND THE VOID CREATED IS TO BE AMENDED WITH SOIL LEVEL TO THE SIDEWALK PIT EXPANSION MAY BE REQUIRED BY FORESTRY INSPECTOR.
18. PREPARATORY PRUNING WORK SHALL BE PERFORMED ONLY WHEN DIRECTED BY A FORESTRY INSPECTOR. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH ANSI A300 STANDARDS AND BY A QUALIFIED, LICENSED & INSURED ARBORIST OR TREE SERVICE COMPANY. CONTRACTOR IS TO FOLLOW ALL NYC PARKS FORESTRY PERMIT & WORK ORDER REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE APPOINTMENT WITH FORESTRY INSPECTOR.
19. ALL NEW INDICATED TREE PITS ARE TO BE FULLY EXCAVATED TO THE DIMENSIONS LABELED AND REPLACED WITH NEW QUALITY TOPSOIL TO NYC PARKS STANDARDS.

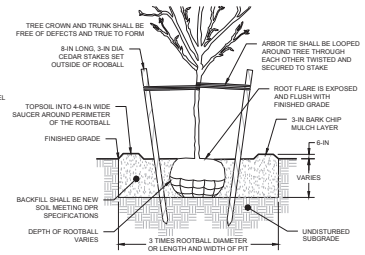


1 TEMPORARY WOODEN TREE GUARD
N.T.S.

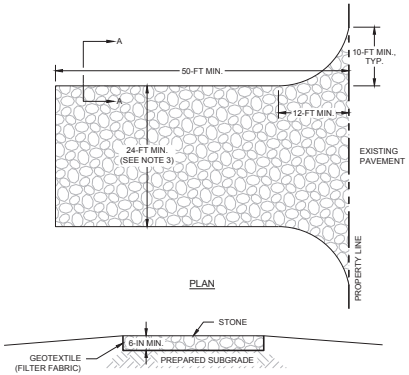


NOTES:
1. TREE PIT DETAIL IN ACCORDANCE WITH THE NYCDOT / NYC PARKS DEPARTMENT STANDARDS AND SPECIFICATIONS. CONTRACTOR TO VERIFY AND USE LATEST DETAIL.
2. ALL MATERIALS AND CONSTRUCTION METHODS USED ARE TO CONFORM TO SECTION #4.16 OF THE BUREAU OF HIGHWAY OPERATIONS SPECIFICATIONS LATEST EDITION.
3. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMIT FROM THE DEPARTMENT OF PARKS AND RECREATION FOR THE REMOVAL AND PLANTING OF TREES.

2 ENLARGED TREE PIT DETAIL
N.T.S.



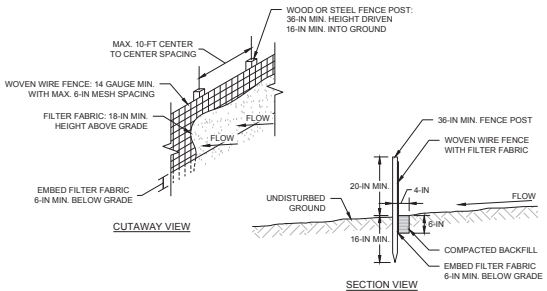
3 TREE PLANTING AND STAKE DETAIL
N.T.S.



SECTION A-A

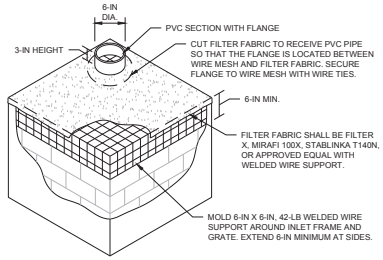
NOTES:
1. GEOTEXTILE: PLACE OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
2. STONE SIZE: SHALL BE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
3. WIDTH: SHALL BE 24-FT, UNLESS THERE ARE MULTIPLE ENTRANCES TO THE SITE, WHERE THE MINIMUM WIDTH SHALL THEN BE 12-FT.
4. SURFACE RUNOFF: SLOPE ALL DRAINAGE AWAY FROM CONSTRUCTION ENTRANCE. IF SURFACE RUNOFF MUST BE SLOPED TOWARD CONSTRUCTION ENTRANCES IT SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
5. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY AND DISPOSED OF PROPERLY.
6. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
8. LOCATION OF TRUCK CLEANING PAD TO BE DETERMINED BY CONTRACTOR IN FIELD AND APPROVED BY NYCSCA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELATED PERMITS.

4 CONSTRUCTION ENTRANCE
N.T.S.



NOTES:
1. SECURELY FASTEN WOVEN WIRE FENCE TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE EITHER STEEL "T" OR "U" TYPE, OR HARDWOOD.
2. SECURELY FASTEN FILTER FABRIC TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE WITH 6-IN MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. FILTER FABRIC SHALL BE SIMILAR TO HARRIS SILT FENCE, OR APPROVED EQUAL.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED. MATERIAL SHALL BE REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH A DEPTH OF SIX INCHES OR GREATER.

5 REINFORCED SILT FENCE
N.T.S.



6 INLET PROTECTION
N.T.S.

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Board of Trustees
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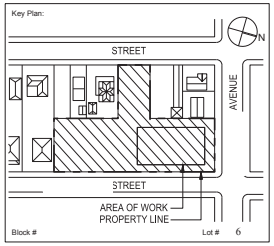

Block # Lot # 6

SCA Design Manager:
Project Architect/Engineer:
Discipline Lead:
Designer:
Drawn by:
Checked by:

LLW No.:	Facility Code:	Date:
	Q	08/31/17

Project:
PS
REPLACEMENT BUILDING

Address:
STREET, QUEENS, NY 11694

Drawing Title:
SITE DETAILS

Drawing No.: C150.00

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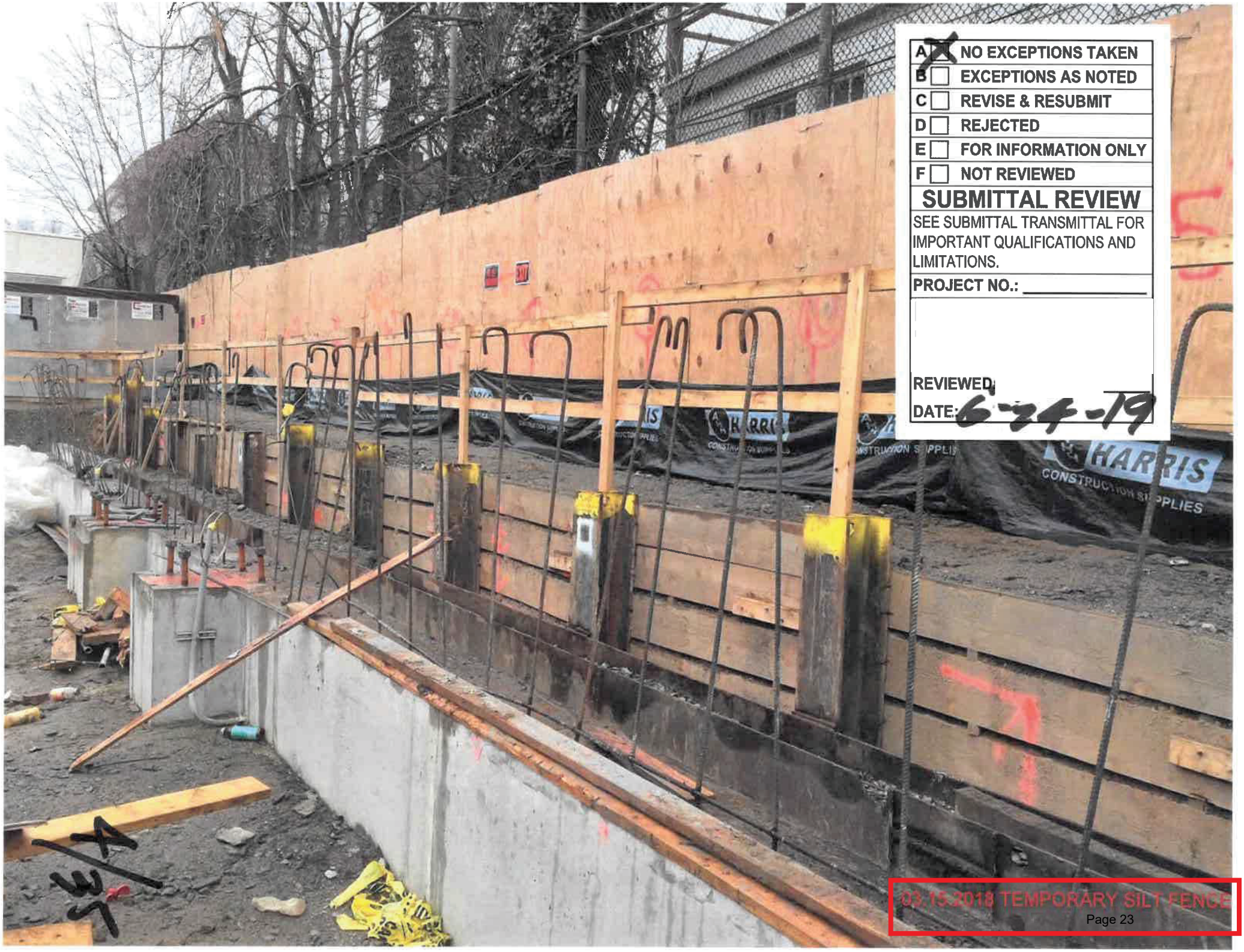
Note: Dust Control Plan is applicable to interior projects only

DUST CONTROL PLAN

1. Any penetrations made through walls or floors will be covered after work is completed that day.
2. When debris and/or material is being moved in or out of the working spaces, will cover and tightly fix around the debris or material to ensure a dust free situation
3. Before construction debris is dumped into a garbage truck, will water down the debris to ensure there will be limited dust created by the activity.
4. At the end of each day, any paths used outside the contained construction space will be properly cleaned to ensure a dust free and clean environment.
5. The site will be kept clean of miscellaneous trash.
6. Areas to be swept and/or mopped daily, after work is completed.
7. Spent material will be immediately contained and disposed of at an appropriate facility.
8. Lids will be kept on all containers of paints and coatings.
9. When possible, cleaners with low hazardous air pollutant and volatile organic compound content such as water-based, alkaline, or microbial cleaners will be used.
10. During non-working hours, the site will be left in a condition that will prevent dust from being generated. At the end of each work day, security fencing will be installed or inspected to prevent access and additional disturbance.



A [X]	NO EXCEPTIONS TAKEN
B [ ]	EXCEPTIONS AS NOTED
C [ ]	REVISE & RESUBMIT
D [ ]	REJECTED
E [ ]	FOR INFORMATION ONLY
F [ ]	NOT REVIEWED

SUBMITTAL REVIEW

SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.

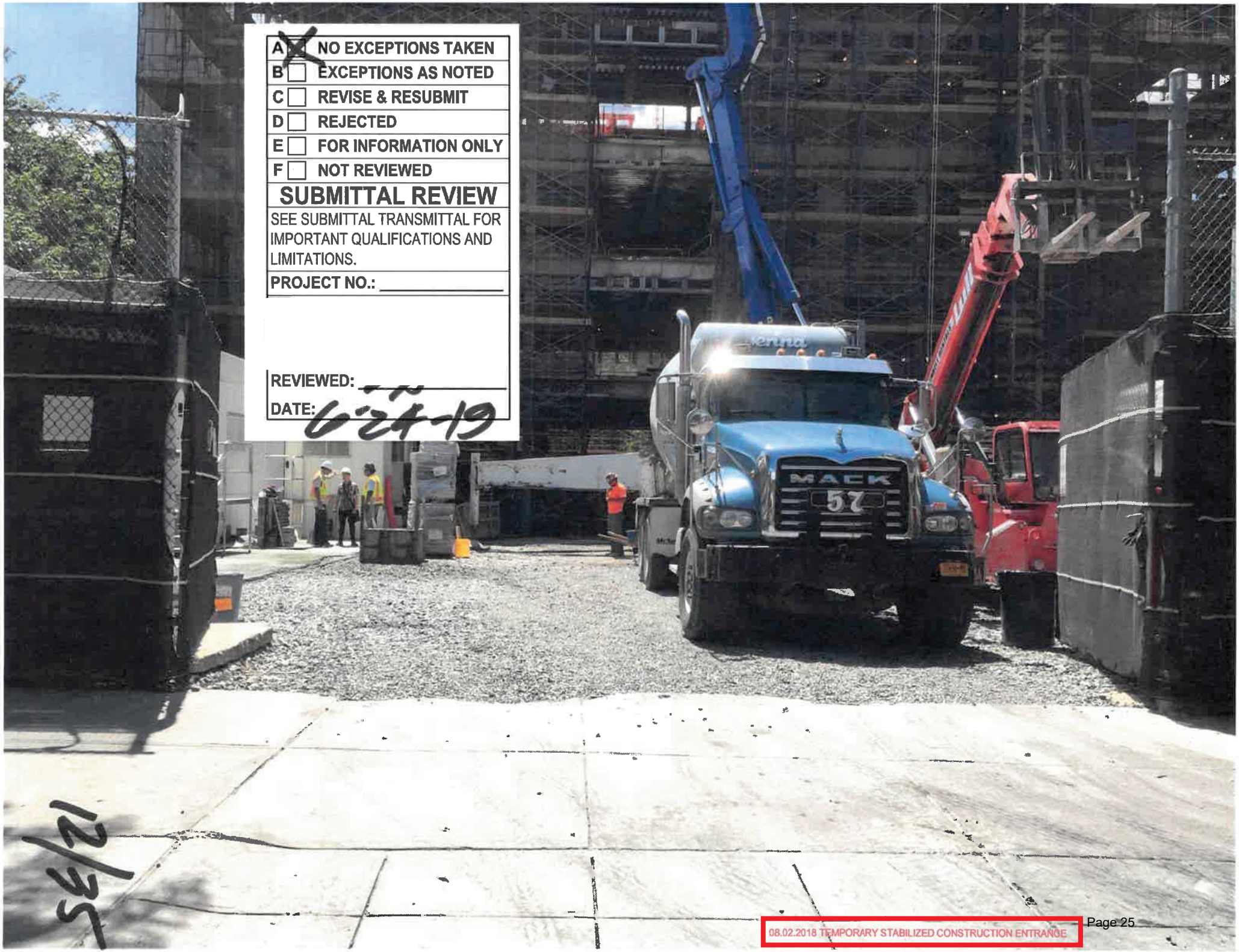
PROJECT NO.: _____

REVIEWED:

DATE: 6-24-19

03.15.2018 TEMPORARY SILT FENCE


A ☑ NO EXCEPTIONS TAKEN
B ☐ EXCEPTIONS AS NOTED
C ☐ REVISE & RESUBMIT
D ☐ REJECTED
E ☐ FOR INFORMATION ONLY
F ☐ NOT REVIEWED
SUBMITTAL REVIEW
SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.
PROJECT NO.: _____
REVIEWED: _____
DATE: 6-24-19
10x14.3
HARRIS
03.15.2018 TEMPORARY SILT FENCE



08.02.2018 TEMPORARY STABILIZED CONSTRUCTION ENTRANCE


A [X] NO EXCEPTIONS TAKEN
B [ ] EXCEPTIONS AS NOTED
C [ ] REVISE & RESUBMIT
D [ ] REJECTED
E [ ] FOR INFORMATION ONLY
F [ ] NOT REVIEWED
SUBMITTAL REVIEW
SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.
PROJECT NO.:
REVIEWED: 6-14-18
DATE:
08.02.2018 TEMPORARY STABILIZED CONSTRUCTION ENTRANCE


05.15.2018 ON SITE DRAIN INLET PROTECTED WITH FILTER FABRIC
A [X] NO EXCEPTIONS TAKEN
B [ ] EXCEPTIONS AS NOTED
C [ ] REVISE & RESUBMIT
D [ ] REJECTED
E [ ] FOR INFORMATION ONLY
F [ ] NOT REVIEWED
SUBMITTAL REVIEW
SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.
PROJECT NO.:
REVIEWED:
DATE: 6-24-19
17/25



A ☒	NO EXCEPTIONS TAKEN
B ☐	EXCEPTIONS AS NOTED
C ☐	REVISE & RESUBMIT
D ☐	REJECTED
E ☐	FOR INFORMATION ONLY
F ☐	NOT REVIEWED

SUBMITTAL REVIEW

SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.

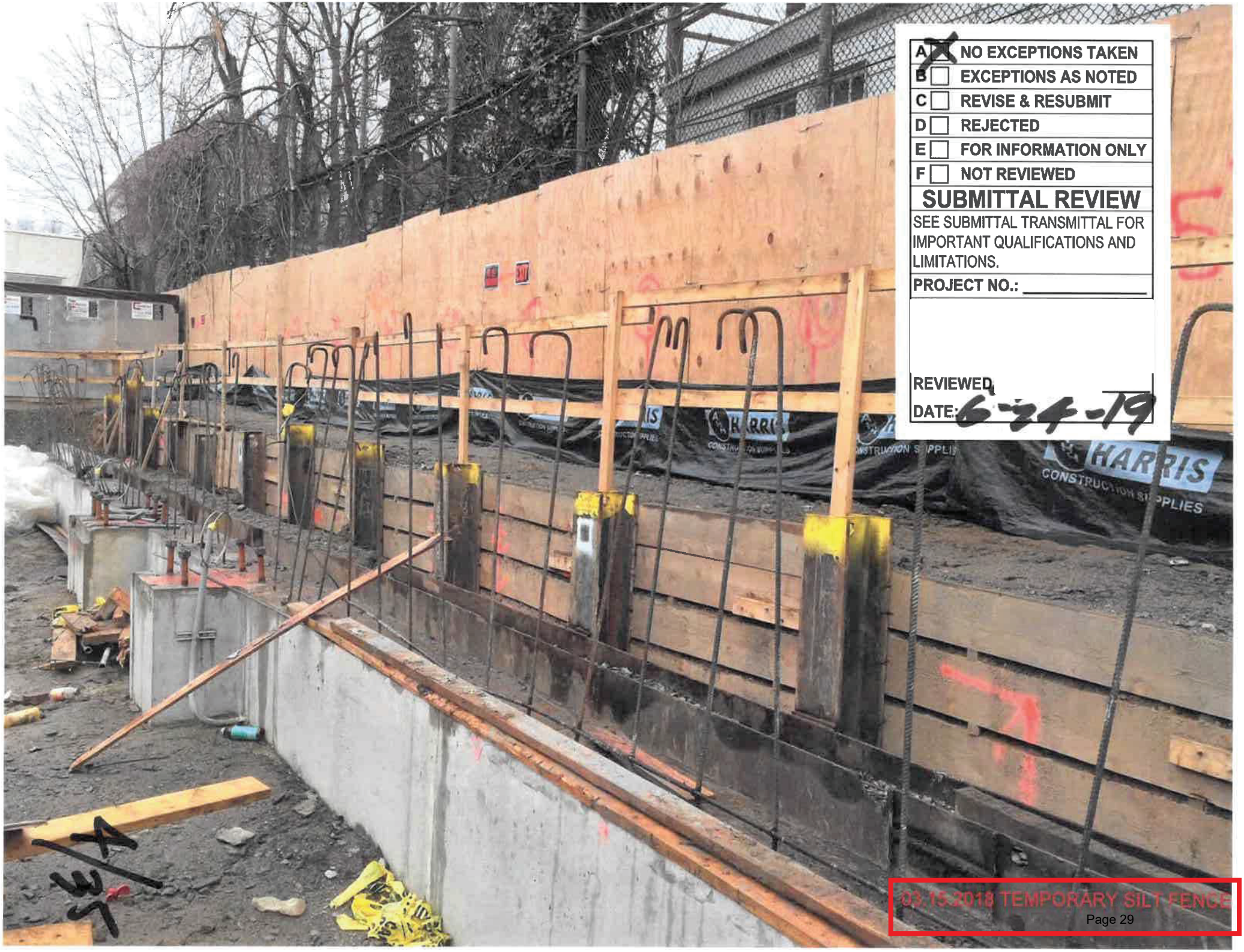
PROJECT NO.: _____

REVIEWED: _____

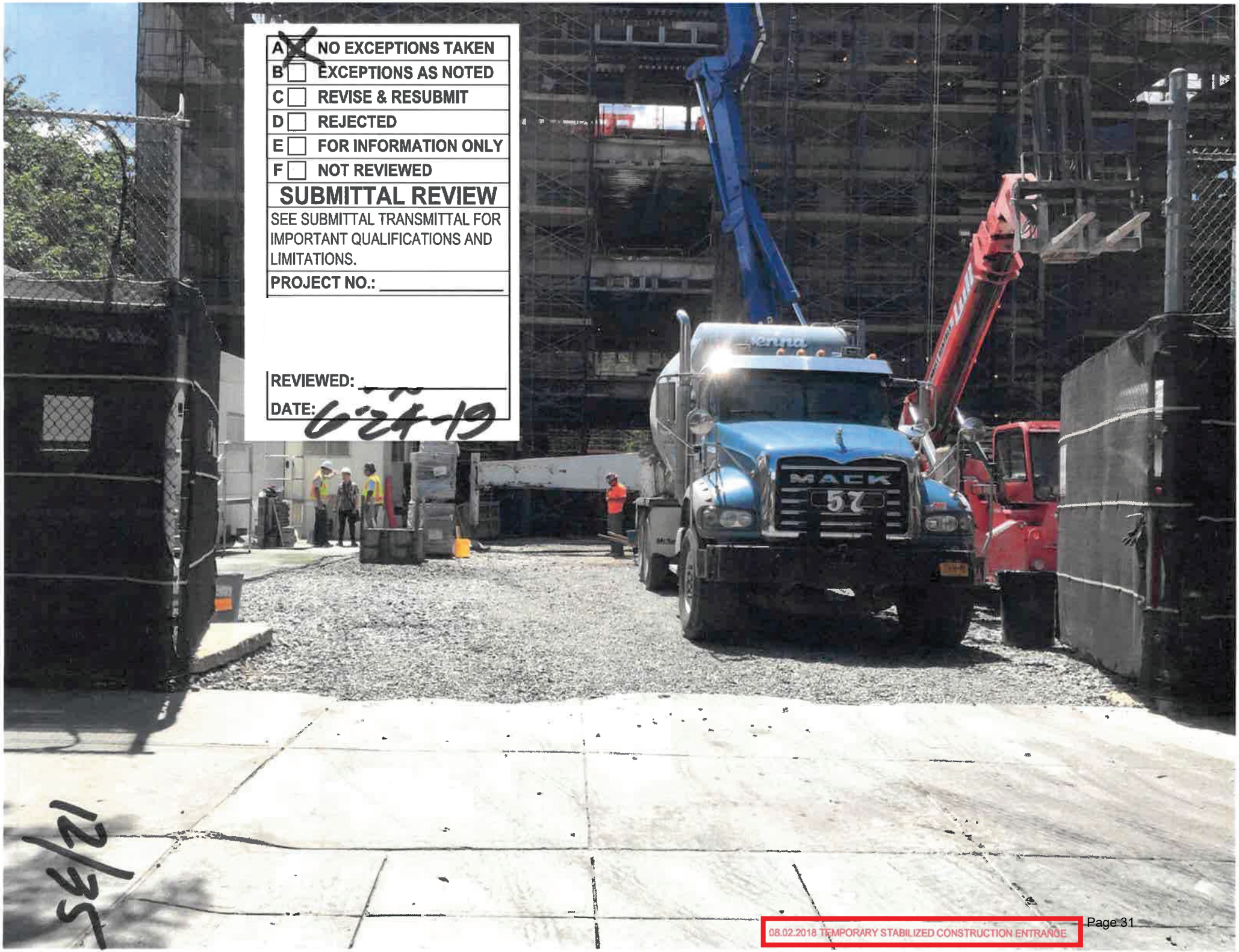
DATE: 6-24-19

24/35

08.02.20 [illegible] INLET PROTECTED WITH NEW FILTER FABRIC [illegible]


A [X] NO EXCEPTIONS TAKEN
B [ ] EXCEPTIONS AS NOTED
C [ ] REVISE & RESUBMIT
D [ ] REJECTED
E [ ] FOR INFORMATION ONLY
F [ ] NOT REVIEWED
SUBMITTAL REVIEW
SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.
PROJECT NO.: _____
REVIEWED
DATE: 6-24-19
HARRIS
CONSTRUCTION SUPPLIES
03.15.2018 TEMPORARY SILT FENCE


A ☑ NO EXCEPTIONS TAKEN
B ☐ EXCEPTIONS AS NOTED
C ☐ REVISE & RESUBMIT
D ☐ REJECTED
E ☐ FOR INFORMATION ONLY
F ☐ NOT REVIEWED
SUBMITTAL REVIEW
SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.
PROJECT NO.: _____
REVIEWE
DATE: 6-24-19
03.15.2018 TEMPORARY SILT FENCE


A NO EXCEPTIONS TAKEN
B EXCEPTIONS AS NOTED
C REVISE & RESUBMIT
D REJECTED
E FOR INFORMATION ONLY
F NOT REVIEWED
SUBMITTAL REVIEW
SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.
PROJECT NO.:
REVIEWED:
DATE: 6-24-19
MACK
57
5/8/21


A [X] NO EXCEPTIONS TAKEN
B [ ] EXCEPTIONS AS NOTED
C [ ] REVISE & RESUBMIT
D [ ] REJECTED
E [ ] FOR INFORMATION ONLY
F [ ] NOT REVIEWED
SUBMITTAL REVIEW
SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.
PROJECT NO.:
REVIEWED: 6-14-18
DATE:
08.02.2018 TEMPORARY STABILIZED CONSTRUCTION ENTRANCE


A ☒ NO EXCEPTIONS TAKEN
B ☐ EXCEPTIONS AS NOTED
C ☐ REVISE & RESUBMIT
D ☐ REJECTED
E ☐ FOR INFORMATION ONLY
F ☐ NOT REVIEWED
SUBMITTAL REVIEW
SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.
PROJECT NO.:
REVIEWED:
DATE: 6-24-17
16/35
TEMPORARY STABILIZED CONSTRUCTION ENTRANCE


05.15.2018 ON SITE DRAIN INLET PROTECTED WITH FILTER FABRIC
A X NO EXCEPTIONS TAKEN
B EXCEPTIONS AS NOTED
C REVISE & RESUBMIT
D REJECTED
E FOR INFORMATION ONLY
F NOT REVIEWED
SUBMITTAL REVIEW
SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.
PROJECT NO.:
REVIEWED:
DATE: 6-24-19
17/25


A X NO EXCEPTIONS TAKEN
B EXCEPTIONS AS NOTED
C REVISE & RESUBMIT
D REJECTED
E FOR INFORMATION ONLY
F NOT REVIEWED
SUBMITTAL REVIEW
SEE SUBMITTAL TRANSMITTAL FOR IMPORTANT QUALIFICATIONS AND LIMITATIONS.
PROJECT NO.:
REVIEWED:
DATE: 6-24-19
23/35

Note: Inspections logs should be recorded during the course of construction and after any major weather event.

Construction Activity Pollution Prevention Report

Project Name: _____ Address: _____

Date: 12/21/17 Time: 3 pm Weather: Rain Rainfall in the last 24 hrs: (Yes) or No

Days Since Last Inspection: N/A

Inspection Type:

Intitial Inspection:____ Regualar ✓ Final_____ Active Storm Water Runoff ✓ Other_____

Observations: The silt sacks / catch basins were inspected to make sure any sediment / contaminents were not running out of the site or into any drains around the perimeter — all drains were cleared and silt sacks were working accordingly

Corrective Action Taken/Needed:

N/A

Have any changes been made that would cause extra measure to be taken: Yes_____ No ✓

If Yes, What Measures Have Been Made? _____

Inspected By

Print Name: _____

Title: _____

Signature: _____

Additional Comments:

Construction Activity Pollution Prevention Report

Project Name: _____ **Address:** _____

Date: 1/31/19 **Time:** 2:30pm **Weather:** Clear / 8° deg **Rainfall in the last 24 hrs:** Yes or (No)

Days Since Last Inspection: 1 mnth

Inspection Type:

Intitial Inspection: ____ **Regualar** ✓ **Final** _____ **Active Storm Water Runoff** _____ **Other** _____

Observations: No signs of any runoffs / site well maintained / Catch Basins + Silt Sock in place / all drainage free & debris

Corrective Action Taken/Needed:

N/A

Have any changes been made that would cause extra measure to be taken: Yes _____ No X

If Yes, What Measures Have Been Made? _____

Inspected By

Print Name : _____

Title: _____

Signature: _____

Additional Comments:

Construction Activity Pollution Prevention Report

Project Name: _____ **Address:** _____

Date: 2/28/18 **Time:** 2:45 **Weather:** Sunny / 54° **Rainfall in the last 24 hrs:** Yes or (No)

Days Since Last Inspection: 1 month

Inspection Type:

Intitial Inspection:____ **Regualar**__✓__ **Final**_____ **Active Storm Water Runoff**_____ **Other**_____

Observations: All acts of prevention were in place to work properly if a storm would occur — Site was in good condition — mihor House keeping around perimeter of site to take place

Corrective Action Taken/Needed:

House keeping was done around site assuring all drains were free of any debris/ sediment

Have any changes been made that would cause extra measure to be taken: Yes_____ **No**__✓__

If Yes, What Measures Have Been Made? _____

Inspected By

Print Name : _____

Title: _____

Signature: _____

Additional Comments:

Construction Activity Pollution Prevention Report

Project Name: __ **Address:**

Date: 3/30/15 **Time:** 3pm **Weather:** Sunny 45° **Rainfall in the last 24 hrs:** Yes or (No)

Days Since Last Inspection: 2/28

Inspection Type:

Intitial Inspection:____ **Regualar**✓ **Final**_____ **Active Storm Water Runoff**_____ **Other**_____

Observations: Silt Sacks/Catch Basins were in place - all areas were clear of debris & sediment

Corrective Action Taken/Needed:

N/A

Have any changes been made that would cause extra measure to be taken: Yes_____ **No**✓

If Yes, What Measures Have Been Made?_____

Inspected By

Print Name :

Title: __

Signature:

Additional Comments:

Construction Activity Pollution Prevention Report

Project Name: _____ **Address:** _____

Date: 4/27/18 **Time:** 3pm **Weather:** Cloudy **Rainfall in the last 24 hrs:** Yes or (No)

Days Since Last Inspection: 3/30/18

Inspection Type:

Intitial Inspection:____ **Regualar** ___ **Final**_____ **Active Storm Water Runoff**_____ **Other**_____

Observations: One of the silt sacks had a minor tare. Silt Sack to be replaced — All other areas of the site were in good condition

Corrective Action Taken/Needed:

The Silt sack was removed & replaced

Have any changes been made that would cause extra measure to be taken: Yes ___ No_____

If Yes, What Measures Have Been Made? Damaged Silt Sack was replaced.

Inspected By

Print Name : _____

Title: ___ _____

Signature _____

Additional Comments:

Construction Activity Pollution Prevention Report

Project Name: _____ **Address:** _____

Date: 5/29/18 **Time:** 3 pm **Weather:** Clear/Sunny **Rainfall in the last 24 hrs:** Yes or No

Days Since Last Inspection: 4/27/18

Inspection Type:

Intitial Inspection:____ **Regualar** ✓ **Final**_____ **Active Storm Water Runoff**_____ **Other**_____

Observations:

Debris / Sediment removed around silt-sock — all catch basins were clear.

Corrective Action Taken/Needed:

N/A

Have any changes been made that would cause extra measure to be taken: Yes_____ No ✓

If Yes, What Measures Have Been Made? _____

Inspected By

Print Name : _____

Title: _____

Signature: _____

Additional Comments:

Construction Activity Pollution Prevention Report

Project Name: _____ **Address:** _____

Date: 6/28/18 **Time:** 2:30 **Weather:** Clear/Sunny **Rainfall in the last 24 hrs:** Yes or No

Days Since Last Inspection: 5/29

Inspection Type:

Intitial Inspection: ____ **Regualar** ✓ **Final** _____ **Active Storm Water Runoff** _____ **Other** _____

Observations: Areas around catch basins / silt socks have been cleared of any debris / sediment

Corrective Action Taken/Needed:

N/A

Have any changes been made that would cause extra measure to be taken: Yes _____ No ✓

If Yes, What Measures Have Been Made? _____

N/A

Inspected By

Print Name : _____

Title: _____

Signature: _____

Additional Comments:

Construction Activity Pollution Prevention Report

Project Name: ___ **Address:** ___

Date: 7/26/18 **Time:** 3pm **Weather:** Humid/Partly Sunny **Rainfall in the last 24 hrs:** (Yes) or No

Days Since Last Inspection: 6/28

Inspection Type:

Intitial Inspection: ____ **Regualar** ✓ **Final** ____ **Active Storm Water Runoff** ____ **Other** ____

Observations: Rainfall in the last 24 hrs — minor debris + sediment clean up from catch basins/silt socks. — Overall site in good condition

Corrective Action Taken/Needed:

Clean up has been completed

Have any changes been made that would cause extra measure to be taken: Yes ____ No ✓

If Yes, What Measures Have Been Made? N/A

Inspected By

Print Name : ___

Title: ___

Signature: ___

Additional Comments:

Construction Activity Pollution Prevention Report

Project Name: _____ **Address:** _____

Date: 8/31/18 **Time:** 1pm **Weather:** Cloudy **Rainfall in the last 24 hrs:** Yes or No

Days Since Last Inspection: 7/26

Inspection Type:

Intitial Inspection:____ **Regualar** ✓ **Final**_____ **Active Storm Water Runoff**_____ **Other**_____

Observations:

Site in good condition —

Corrective Action Taken/Needed:

Rearranged Silt Sock to higher ~~flow~~ runoff area

Have any changes been made that would cause extra measure to be taken: Yes ✓ No_____

If Yes, What Measures Have Been Made? Silt Sock was re-positioned to work more effectively

Inspected By

Print Name : __ _____

Title: _____

Signature: __ ✓ _____

Additional Comments:

Construction Activity Pollution Prevention Report

Project Name: _____ **Address:** _____

Date: 12/2/18 **Time:** 3pm **Weather:** Rain/59° **Rainfall in the last 24 hrs:** (Yes) or No

Days Since Last Inspection: 11/27/18

Inspection Type:

Intitial Inspection: ____ **Regualar** ____ **Final** _____ **Active Storm Water Runoff** ✓ **Other** _____

Observations:

All pollution/Sediment control areas were in place and secure

Corrective Action Taken/Needed:

All areas were cleared on Monday from the rain over the weekend

Have any changes been made that would cause extra measure to be taken: Yes _____ No ✓

If Yes, What Measures Have Been Made? _____

None Needed

Inspected By

Print Name : _____

Title: _____

Signature: _____

Additional Comments:

S1.6P – Environmental Site Assessment

Remedial Measures Verification of Work

Project Name: **Design No.:**

LLW: **Contract No.:**

Date:

The following remediation measures were implemented, which were required by the Contract Documents to make the Site suitable for use as a public school facility, and applicable documentation was submitted to AOR for inclusion in the Green Schools Guide construction submission:

Yes	No	N/A	
☐	☐	☐	Active Sub Slab Depressurization System (SSDS) was installed.
☐	☐	☐	All excavated material during construction was properly characterized to identify appropriate material handling, reuse and/or disposal requirements. Excavated material was managed in accordance with applicable federal, state, and local laws and regulations.
☐	☐	☐	Underground Storage Tanks (USTs) were encountered during demolition and excavation and construction activities included excavation and removal.
☐	☐	☐	Soil vapor barrier was installed.
☐	☐	☐	General Contractor's PE Certifications were provided.
☐	☐	☐	Any suspect ACM, LBP, lead-lined walls, PCB-containing materials in site buildings, historic fill material, and buried debris/structures was identified and properly managed during demolition, excavation, and construction activities in accordance with applicable regulations and NYC SCA policies and procedures.
☐	☐	☐	Exposed soil (landscape areas) was incorporated into redevelopment of the site and a minimum of two feet environmentally clean fill was placed over the exposed soil.
☐	☐	☐	Dewatering was minimized to mitigate influx of potentially contaminated water from off-site sources.

Other measures (if applicable):_____

Sincerely,

Project Officer/Senior Project Officer — Project Officer/Senior Project Officer's Signature

Submittal

Job:
PS X

NY

Spec Section No:
Submittal No:
Revision No: 001
Sent Date: 1/12/2021

Spec Section Title:

Submittal Title: PE Certification for SSDS

Contractor:

Contractor's Stamp

Architect's Stamp

Engineer's Stamp

January 8, 2021

Engineers and Architects, P.C.
c/o: New York City School Construction Authority

Re: SSDS Inspections
Report on Professional Engineer's Inspection and Approval of Work
PS-

To Whom It May Concern:

Through the present I certify that all work as described in the inspection reports attached herein, and signed and sealed by me was performed in accordance with the requirements of Specification Section 02221 of the design contract drawings D018587 H-201.00 through H-206.00 and SSDS shop drawings prepared by Plumbing and Heating Corp., and approved by Engineers and Architects, P.C.

I supervised inspections of tests which demonstrated installation of an SSDS for preventing intrusion of vapors into the entire new construction. I also confirmed that the vacuum pressure switch installed in the vertical riser operate properly and indicate an alarm at the SSDS Monitoring Panel when the sub-slab depressurization system is not operating as designed.

The SSDS suction fan exhaust stack has been installed a minimum of 10 feet away from any building air intake and operable window. No SSDS vertical risers are located within a vertical shaft that also encloses ducts conveying environmental air.

Sincerely,

, PE
Engineering, PLLC



Field inspection Report SSDS

Project Location PS-
Inspection Location: Preconstruction Meeting
Date 11/13/19
Weather: Sunny, 32°F

Inspection Schedule – Milestone Description		Partial	Complete
SUBSLAB COMPONENTS	1. Completion of Subbase preparation following foundation and footing installation and installation of geotextile		
	2. Delivery to the site of gas permeable aggregate layer, prior to use		
	3. Installation of sub-slab depressurization pits and riser "stub-outs" prior to completion of gas permeable aggregate layer		
	4. Completion of installation of gas permeable aggregate layer. Verify slope of piping is in accordance with Contract drawings and sloped to a condensate drain or SSDS suction pit..		
	5. Completion of all SSDS subsurface components prior to installation of base farbic above gas permeable aggregate layer		
ABOVE-SLAB COMPONENTS	6. Completion of installation of all portions of manifolds, labels, and interior risers prior to enclosure within sheetrock/interior walls. Ensure that SSDS risers are not in a shaft with other ducts conveying environmental air.		
	7. Implementation of pressure test of completed interior riser pipes. See Article 3.01.B regarding test requirements.		
	8. Installation of suction fans and accessories in accordance with Section 15880		
	9. Start-up of completed system		
	10. Confirmation of Alarm Indication Station installation and testing and connection of the alarm indication station to an autodialer and testing		

Comments: Preconstruction meeting

Inspection by _____

[redacted] Engineering PLLC

Field inspection Report SSDS

Project Location PS-[redacted]
Inspection Location: Pit & pipe
Date 11/19/19
Weather: Sunny, 45°F

	Inspection Schedule – Milestone Description	Partial	Complete
SUBSLAB COMPONENTS	1. Completion of Subbase preparation following foundation and footing installation and installation of geotextile	X	
	2. Delivery to the site of gas permeable aggregate layer, prior to use	X	
	3. Installation of sub-slab depressurization pits and riser "stub-outs" prior to completion of gas permeable aggregate layer		X
	4. Completion of installation of gas permeable aggregate layer. Verify slope of piping is in accordance with Contract drawings and sloped to a condensate drain or SSDS suction pit..	X	
	5. Completion of all SSDS subsurface components prior to installation of base farbic above gas permeable aggregate layer		
ABOVE-SLAB COMPONENTS	6. Completion of installation of all portions of manifolds, labels, and interior risers prior to enclosure within sheetrock/interior walls. Ensure that SSDS risers are not in a shaft with other ducts conveying environmental air.		
	7. Implementation of pressure test of completed interior riser pipes. See Article 3.01.B regarding test requirements.		
	8. Installation of suction fans and accessories in accordance with Section 15880		
	9. Start-up of completed system		
	10. Confirmation of Alarm Indication Station installation and testing and connection of the alarm indication station to an autodialer and testing		

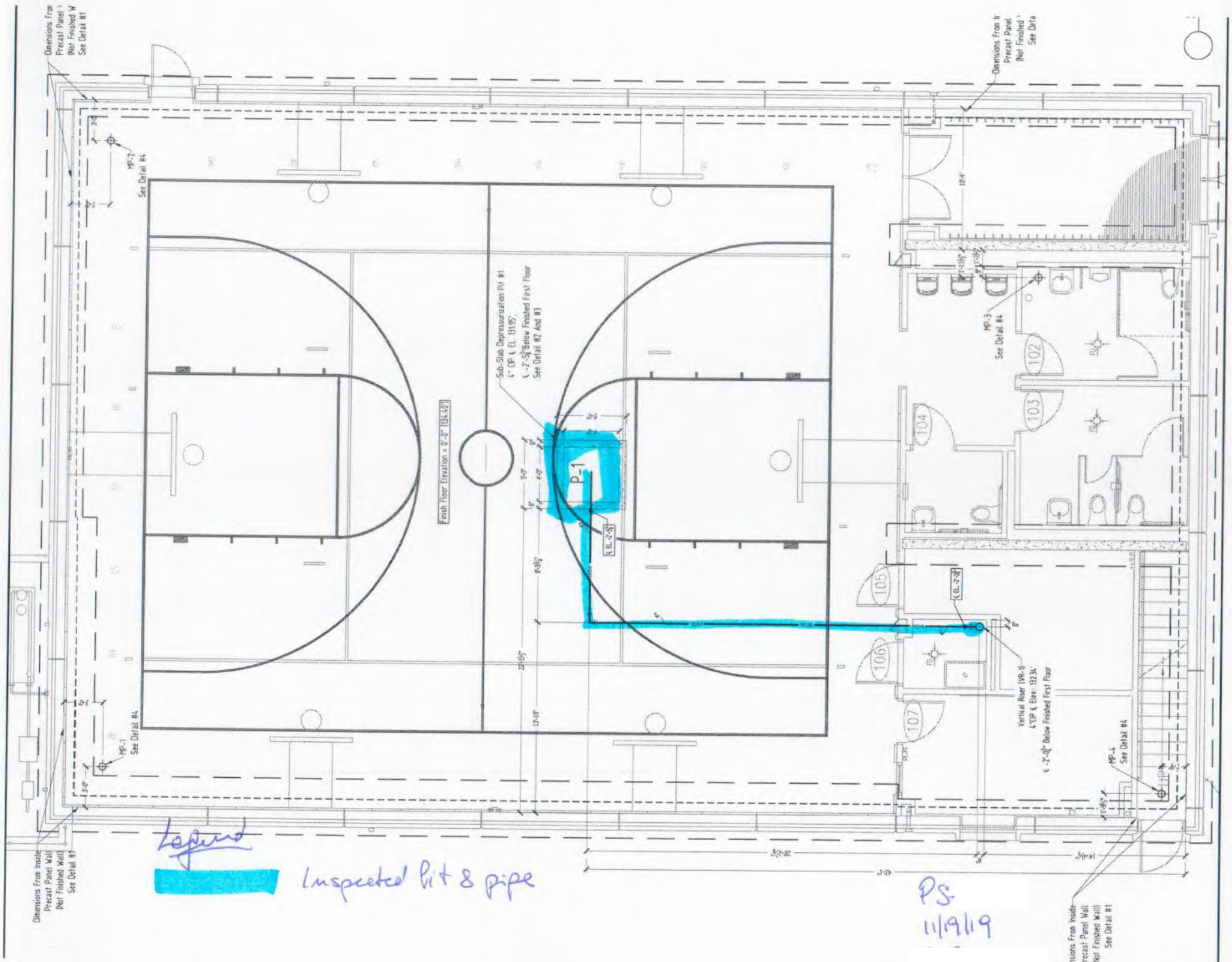
Comments:

Inspected installed pit assembly & pipe to stubout. Installation meets approved shop drawings.

Inspection witnessed by Brittany (DOB) & Alex (NESCO). Nick (SCA) onsite.

STATE OF NEW YORK ★ LICENSED PROFESSIONAL ENGINEER ★

Inspection by [redacted]



Legend

Inspected pit & pipe

PS
11/19/19

Field inspection Report SSDS

Project Location PS-
Inspection Location: GPA
Date 12/6/19
Weather:

Inspection Schedule – Milestone Description		Partial	Complete
SUBSLAB COMPONENTS	1. Completion of Subbase preparation following foundation and footing installation and installation of geotextile		X
	2. Delivery to the site of gas permeable aggregate layer, prior to use		X
	3. Installation of sub-slab depressurization pits and riser "stub-outs" prior to completion of gas permeable aggregate layer		X
	4. Completion of installation of gas permeable aggregate layer. Verify slope of piping is in accordance with Contract drawings and sloped to a condensate drain or SSDS suction pit..		X
	5. Completion of all SSDS subsurface components prior to installation of base farbic above gas permeable aggregate layer		X
ABOVE-SLAB COMPONENTS	6. Completion of installation of all portions of manifolds, labels, and interior risers prior to enclosure within sheetrock/interior walls. Ensure that SSDS risers are not in a shaft with other ducts conveying environmental air.		
	7. Implementation of pressure test of completed interior riser pipes. See Article 3.01.B regarding test requirements.		
	8. Installation of suction fans and accessories in accordance with Section 15880		
	9. Start-up of completed system		
	10. Confirmation of Alarm Indication Station installation and testing and connection of the alarm indication station to an autodialer and testing		

Comments:

All components met specification.

STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER

Inspection by

Field inspection Report SSDS

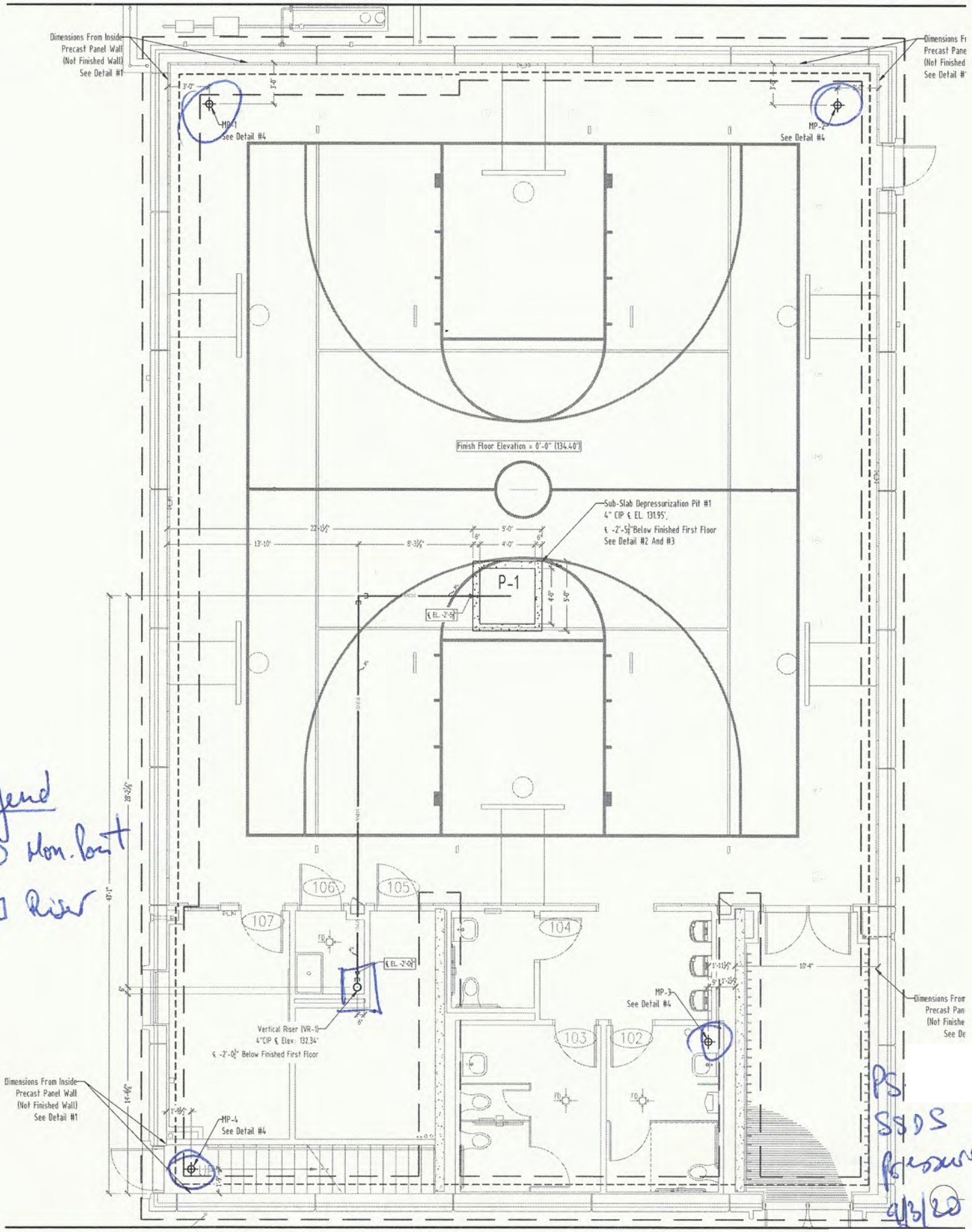
Project Location PS-
Inspection Location: Pressure test SSD pipe
Date 9/3/20
Weather:

	Inspection Schedule – Milestone Description	Partial	Complete
SUBSLAB COMPONENTS	1. Completion of Subbase preparation following foundation and footing installation and installation of geotextile		X
	2. Delivery to the site of gas permeable aggregate layer, prior to use		X
	3. Installation of sub-slab depressurization pits and riser "stub-outs" prior to completion of gas permeable aggregate layer		X
	4. Completion of installation of gas permeable aggregate layer. Verify slope of piping is in accordance with Contract drawings and sloped to a condensate drain or SSDS suction pit..		X
	5. Completion of all SSDS subsurface components prior to installation of base farbic above gas permeable aggregate layer		X
ABOVE-SLAB COMPONENTS	6. Completion of installation of all portions of manifolds, labels, and interior risers prior to enclosure within sheetrock/interior walls. Ensure that SSDS risers are not in a shaft with other ducts conveying environmental air.	X	
	7. Implementation of pressure test of completed interior riser pipes. See Article 3.01.B regarding test requirements.		X
	8. Installation of suction fans and accessories in accordance with Section 15880		
	9. Start-up of completed system		
	10. Confirmation of Alarm Indication Station installation and testing and connection of the alarm indication station to an autodialer and testing		

Comments:

Riser needs to be labeled
a few monitoring points need fittings & manhole installed -
Inspected the SSD pipe & conducted pressure test.
test was successful and met criteria of 5psi @ 30'
inspection witnessed by Daniel (D&B), Alex (NESCO)

Inspection by _____



Legend
○ Mon. Point
□ Riser

PS SSDS Pressure Test 9/3/20



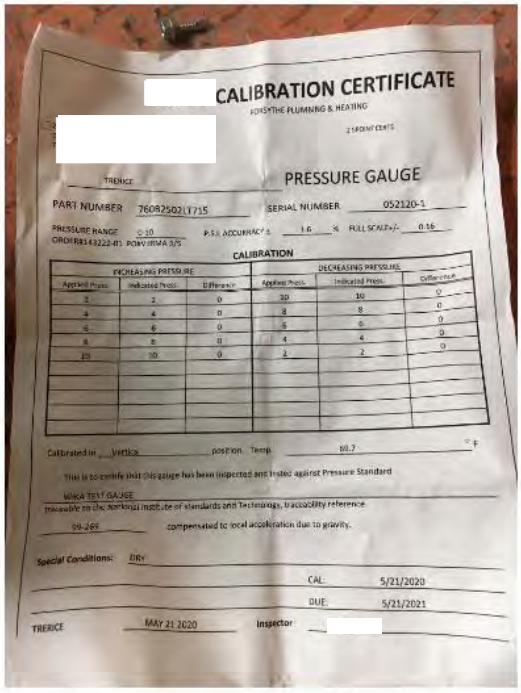


9.3.2020 Inspection

PS

Engineering PLLC





CALIBRATION CERTIFICATE

FORSYTHE PLUMBING & HEATING

TRENCE

PRESSURE GAUGE

PART NUMBER 760825021T715 SERIAL NUMBER 052120-1

PRESSURE RANGE 0-10 P.S.I. ACCURACY ± 1.6 % FULL SCALE +/- 0.16

ORDER#143222-01 POWERMA 3/5

CALIBRATION

INCREASING PRESSURE			DECREASING PRESSURE		
Applied Press.	Indicated Press.	Difference	Applied Press.	Indicated Press.	Difference
2	2	0	10	10	0
4	4	0	8	8	0
6	6	0	6	6	0
8	8	0	4	4	0
10	10	0	2	2	0

Calibrated in Vertical position. Temp 69.7 °F

This is to certify that this gauge has been inspected and tested against Pressure Standard

WIKA TEST GAUGE

traceable to the National Institute of standards and Technology, traceability reference

99-269 compensated to local acceleration due to gravity.

Special Conditions: DRY

CAL 5/21/2020

DUE 5/21/2021

TRENCE MAY 21 2020 Inspector

PHOTO LOG – 9.3.2020 Inspection
PS

Engineering PLLC

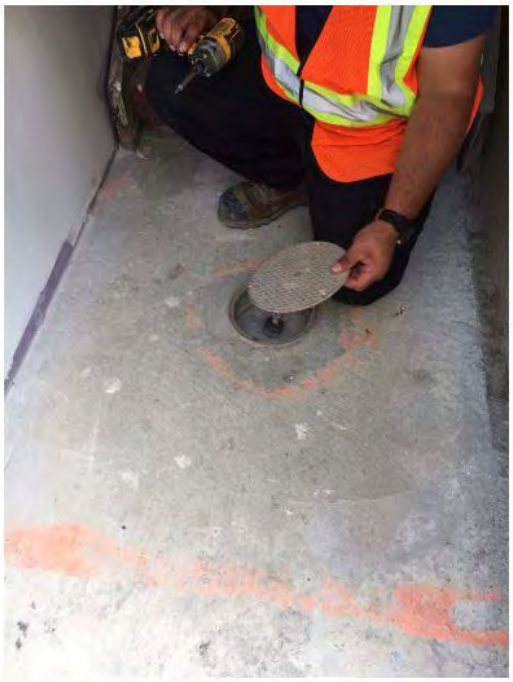




PHOTO LOG – 9.3.2020 Inspection
PS

Engineering PLLC



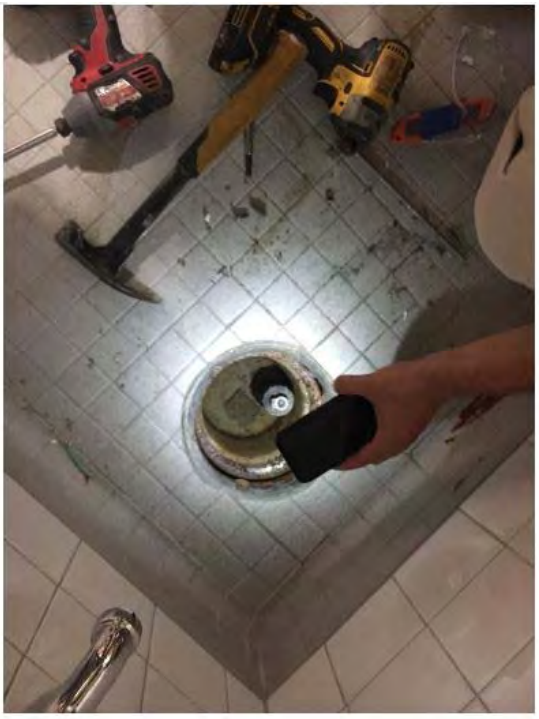


PHOTO LOG – 9.3.2020 Inspection
PS

MC Engineering PLLC

Engineering, PLLC

Field inspection Report SSDS

Project Location: _PS
Inspection Location: _Attempted SSDS Start-up Test
Date__10/8/2020 10:00 am
Weather: ____Sunny 70 F

Inspection Schedule – Milestone Description	Partial	Complete
1. Completion of Subbase preparation following foundation and footing installation and installation of geotextile		**X**
2. Delivery to the site of gas permeable aggregate layer, prior to use		**X**
3. Installation of sub-slab depressurization pits and riser "stub-outs" prior to completion of gas permeable aggregate layer		**X**
4. Completion of installation of gas permeable aggregate layer		**X**
5. Completion of all SSDS subsurface components prior to installation of base fabric above gas permeable aggregate layer.		**X**
6. Completion of installation of all portions of interior risers prior to enclosure within sheetrock/interior walls		**X**
7. Implementation of pressure test of completed interior riser pipes. See Article 3.01(B) regarding test requirements.		**X**
8. Installation of suction fans and accessories in accordance with Section 15880	**X**	
9. Start-up of completed system.		
10. Confirmation of Alarm Indication Station installation and testing and connection of the alarm indication station to an interposing relay and testing.		

Comments:

Attempted to perform SSDS start up test. Fan and spare fan were not operational at time of inspection.
Technician to come onsite and address fan issues. Start-up test to be re-scheduled.
Personnel Onsite: Nick (SCA), Jenny (SCA), Brittany (D&B), Andrew (AMC)
Other Notes:
a) Four monitoring points (MP-1, MP-2, MP-3, and MP-4) were found in locations shown in plans. Vacuum test not performed, due to fan issues.
b) All observed SSDS riser pipes were properly labelled.
c) Clean out by stub-out has not been installed yet.
d) Vacuum gauge measuring in "H_2O has been installed on riser pipe.
e) Alarm is installed, but audible test was not conducted.
f) An autodialer has been installed and connected to the alarm. However, it is not yet connected to the emergency call-out phone line.



Inspection by ___ , under direction of _____

Field inspection Report SSDS

Project Location Ps-
Inspection Location: Start up
Date 10/9/20
Weather:

	Inspection Schedule – Milestone Description	Partial	Complete
SUBSLAB COMPONENTS	1. Completion of Subbase preparation following foundation and footing installation and installation of geotextile		✓
	2. Delivery to the site of gas permeable aggregate layer, prior to use		✓
	3. Installation of sub-slab depressurization pits and riser "stub-outs" prior to completion of gas permeable aggregate layer		✓
	4. Completion of installation of gas permeable aggregate layer. Verify slope of piping is in accordance with Contract drawings and sloped to a condensate drain or SSDS suction pit..		✓
	5. Completion of all SSDS subsurface components prior to installation of base farbic above gas permeable aggregate layer		✓
ABOVE-SLAB COMPONENTS	6. Completion of installation of all portions of manifolds, labels, and interior risers prior to enclosure within sheetrock/interior walls. Ensure that SSDS risers are not in a shaft with other ducts conveying environmental air.		✓
	7. Implementation of pressure test of completed interior riser pipes. See Article 3.01.B regarding test requirements.		✓
	8. Installation of suction fans and accessories in accordance with Section 15880		✓
	9. Start-up of completed system		✓
	10. Confirmation of Alarm Indication Station installation and testing and connection of the alarm indication station to an autodialer and testing	✓	

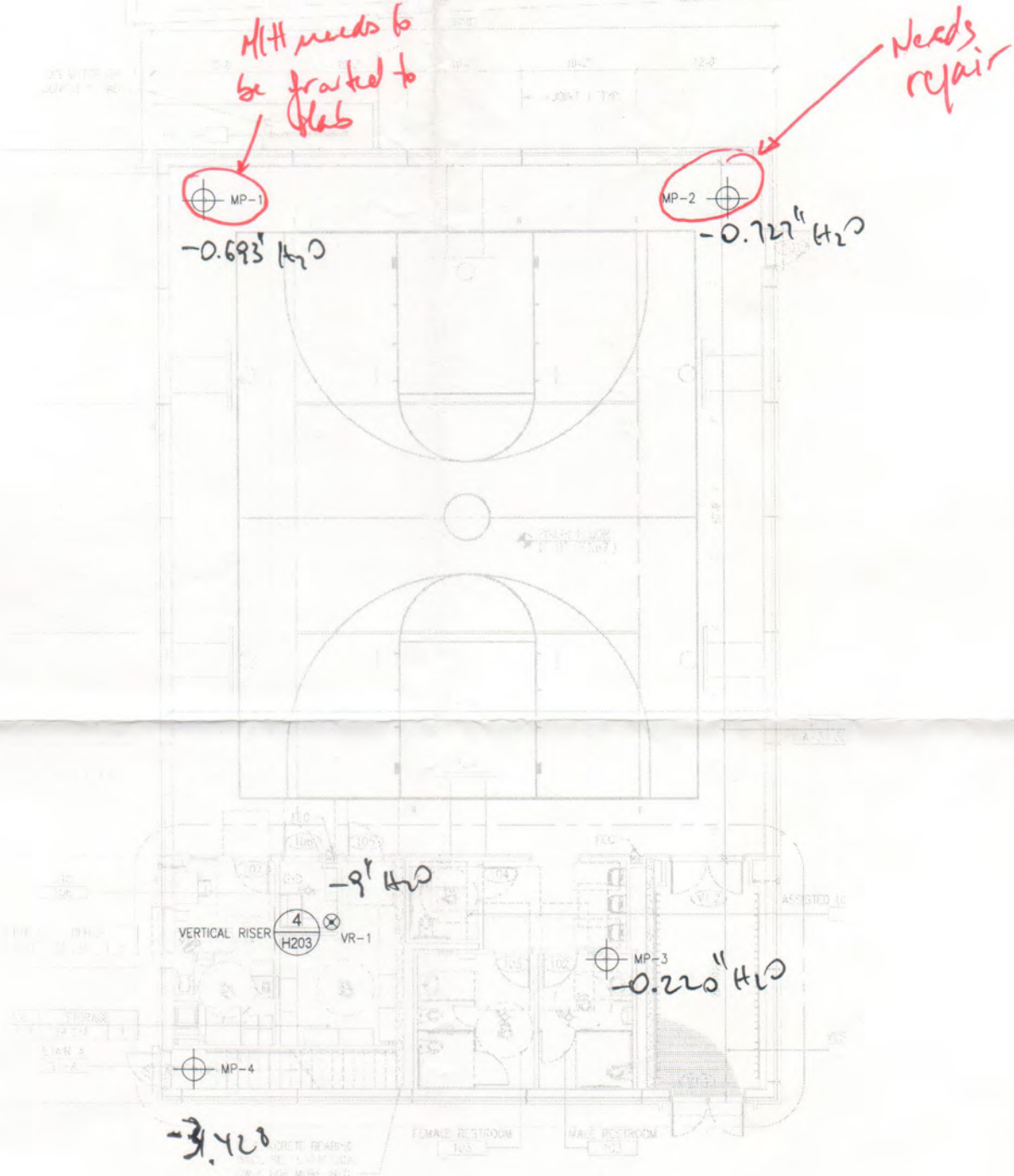
Comments:

Inspected installed system for compliance to spec.
Verified vaccum on all MP & riser.
Present during inspection were Brittany (D&B), Jenny (IEH), Nick (NESCO).

Deficiencies:
① Alarm not tripping when blower is off, likely DP cell not wired properly.
② MP-2: Manhole not set in slab - PVC Cap not secured to PVC pipe
③ MP-1: Gap in Manhole - slab connection. Must be grouted prior to finished floor installation.
④ No rain cap on roof track.

Inspection by

STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER



2 / H201 FIRST FLOOR PLAN - RISER AND MONITORING POINT LOCATIONS

SCALE: 1/8" = 1'-0"

0 4 8 16

SCALE IN FEET

PS-2

STEM COMPLIES WITH THE
CHANICAL CODE SECTION 512.

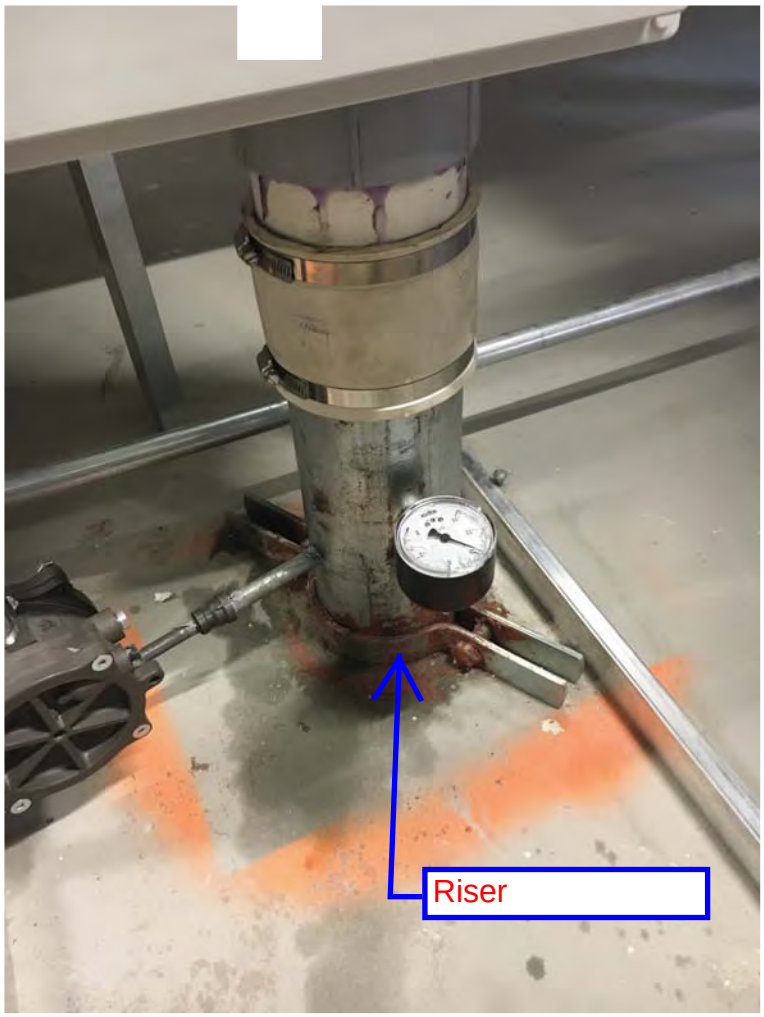
STEM IS NOT A "HAZARDOUS

LEGEND:

- - - - HORIZONTAL EXTENT OF GAS VAPOR BARRIER AND MINIMUM 12-INCH THICK GAS PERMEABLE AGGREGATE LAYER

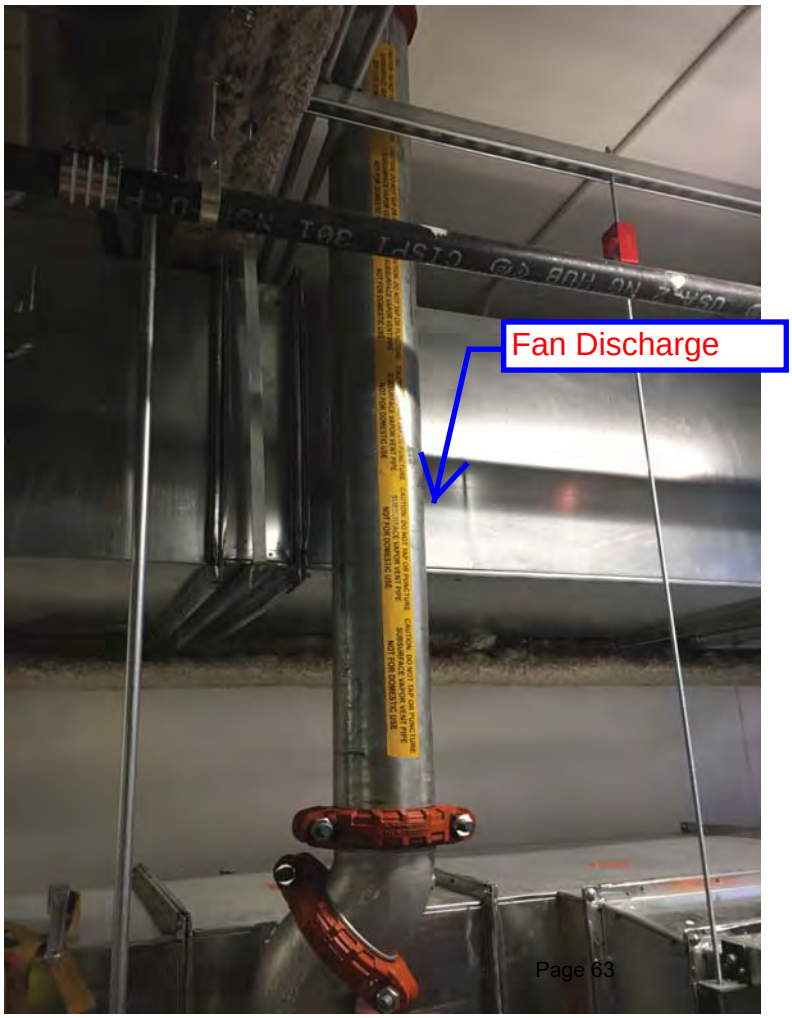
- - - - - 4"ø CAST IRON PIPE PLACED BENEATH FIRST FLOOR SLAB ELEVATION

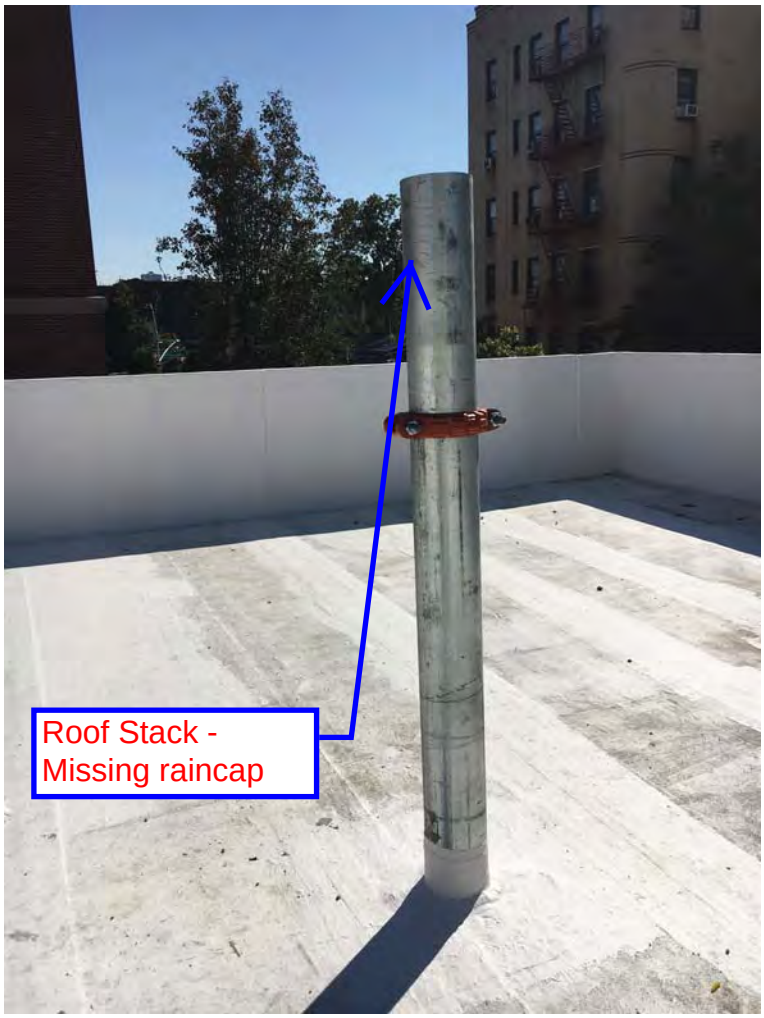
10/9/20


Riser


9" WC at riser



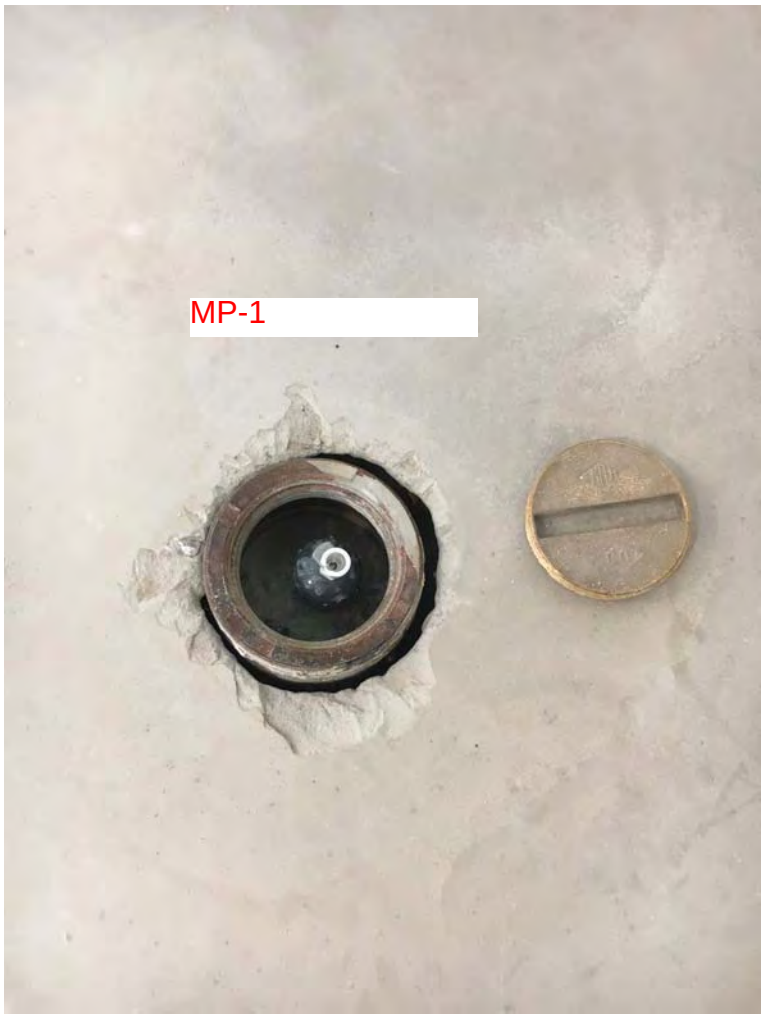

Fan Discharge

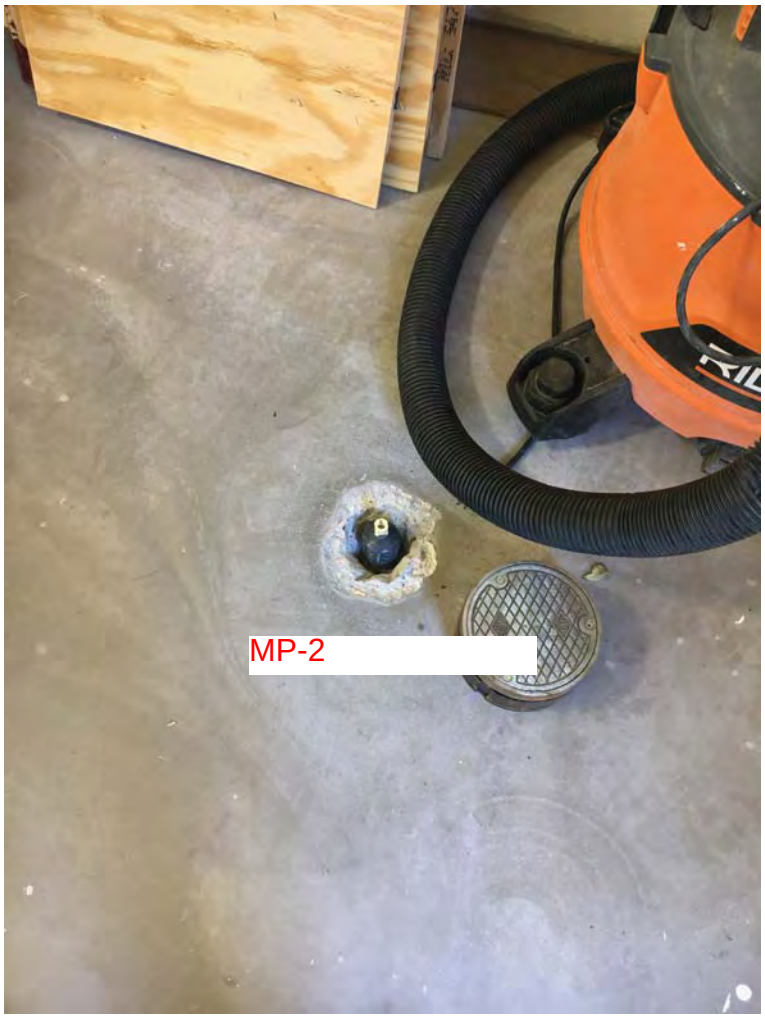

Roof Stack -
Missing raincap


Alarm Panel


First FLoor Riser




MP-1


MP-2


MP-3


MP-4

Field inspection Report SSDS

Project Location PS
Inspection Location: Final - start up
Date 10/27/20
Weather: 55 F, rain

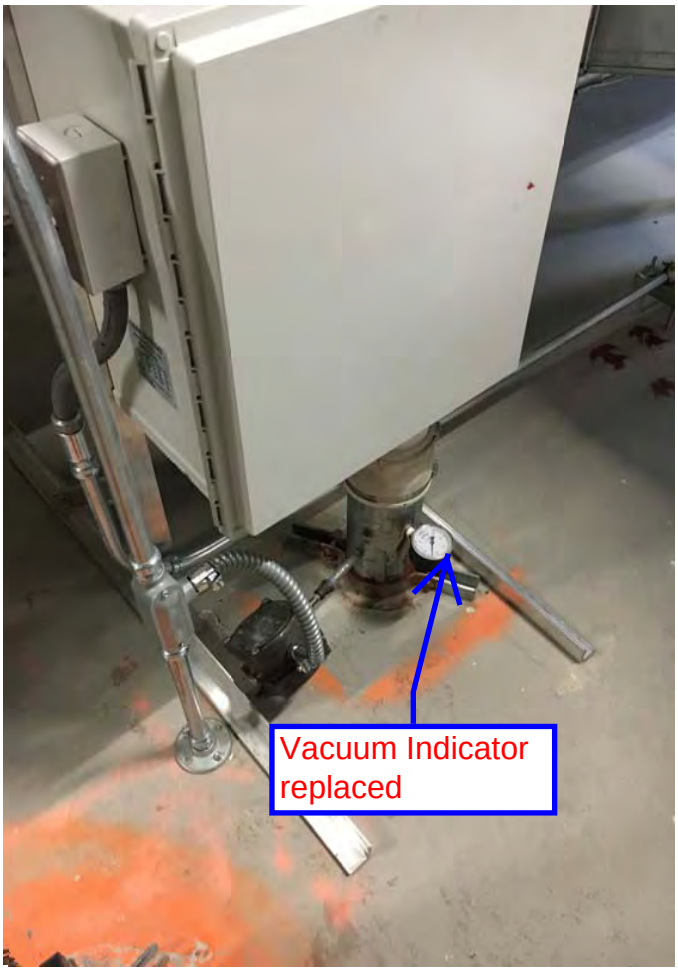
	Inspection Schedule – Milestone Description	Partial	Complete
SUBSLAB COMPONENTS	1. Completion of Subbase preparation following foundation and footing installation and installation of geotextile		✓
	2. Delivery to the site of gas permeable aggregate layer, prior to use		✓
	3. Installation of sub-slab depressurization pits and riser "stub-outs" prior to completion of gas permeable aggregate layer		✓
	4. Completion of installation of gas permeable aggregate layer. Verify slope of piping is in accordance with Contract drawings and sloped to a condensate drain or SSDS suction pit..		✓
	5. Completion of all SSDS subsurface components prior to installation of base farbic above gas permeable aggregate layer		✓
ABOVE-SLAB COMPONENTS	6. Completion of installation of all portions of manifolds, labels, and interior risers prior to enclosure within sheetrock/interior walls. Ensure that SSDS risers are not in a shaft with other ducts conveying environmental air.		✓
	7. Implementation of pressure test of completed interior riser pipes. See Article 3.01.B regarding test requirements.		✓
	8. Installation of suction fans and accessories in accordance with Section 15880		✓
	9. Start-up of completed system		✓
	10. Confirmation of Alarm Indication Station installation and testing and connection of the alarm indication station to an autodialer and testing		✓

Comments:

Inspected alarm connection & functionality - Alarm tripped when fan on, and satisfied condition when off.
NESCO, DEP (Brittany) & TEH (Jenny) witnessed inspection.
Also, VI @ suction of fan was repaired as well as the 2 Monitoring points that were faulty during previous inspection -

Inspection by [redacted]





MP repaired

Alarm triggered





Submittal

Job:
PS

Spec Section No: 02220
Submittal No: 009
Revision No: 001
Sent Date: 1/12/2021

Spec Section Title:

Submittal Title: PE Certification for GVB System

Contractor:

Contractor's Stamp

Architect's Stamp

Engineer's Stamp

November 18, 2020

Engineers & Architects, PC
c/o New York City School Construction Authority

Re: Vapor Barrier Inspections
Report on Professional Engineer's Inspection and Approval of Work
PS

To Whom It May Concern:

Through the present I certify that all work as described in the inspection reports attached herein, and signed and sealed by me was performed in accordance with the requirements of Specification Sections 02220 of the contract documents LLW No. and Shop Drawings SD001 through SD003 as submitted by Inc. and approved by Engineers & Architects, PC,

I, along with , PE, performed or supervised all those inspections or tests as indicated in the submitted signed and sealed inspection reports. The inspections demonstrated the installation of a gas-tight barrier for preventing intrusion of vapors into the entire new construction.

Sincerely,



, PE
, PLLC

Field inspection Report for Liquid Boot:

Project Location: PS-

Inspection Location: Preconstruction Meeting

Date 11/13/19 10:00 am

Weather: Sunny, 32 °F

1. Compliance with installation of base fabric:
2. Compliance with all barrier appurtenances and seals:
3. Application of Liquid Boot to all penetrations, base fabric overlaps and foundations contact points:
4. Coating thickness testing (minimum of one test per 500 sf):
5. Completion of all subsurface components:
6. Completion of all components of gas vapor barrier:

Liquid Boot Area of this inspection: _____sf
Minimum number of test required: _____

Test No.	Thickness	Comments
		Preconstruction Meeting

Inspection by _____

Field inspection Report for Liquid Boot:

Project Location: PS

Inspection Location: Smoke test for inner part of slab (see attached plan)

Date December 6, 2019

Weather: Cloudy, 42 F

1. Compliance with installation of base fabric:
   complies where tested
2. Compliance with all barrier appurtenances and seals:
   complies
3. Application of Liquid Boot to all penetrations, base fabric overlaps and foundations contact points:
   complies
4. Coating thickness testing (minimum of one test per 500 sf):
   tested 11 coupon for smoke test
5. Completion of all subsurface components:
   tested areas completed
6. Completion of all components of gas vapor barrier:
   completed

Liquid Boot Area of this inspection: approx. 4,500 sf
Minimum number of test required: 9

Test No.	Thickness	Comments
1	>60	Smoke test for slab on grade in compliance with LLW 109201
2	>60	and Spec 02220. All tested coupons met thickness criteria of 60 mils.
3	>60	All penetrations were sealed with liquid boot.
4	>60	
5	>60	Smoke test witnessed by Alec (National Environmental Safety Company),
6	>60	Nick (SCA), Jeff (SCA CID), Brittany (D&B)
7	>60	
8	>60	EAI Personnel: Billy, Teddy
9	>60	
10	>60	
11	>60	

Inspection by under direction of A



30 GAL

45 GAL

LIQUID BOOT® LT COMPOUND "B"

MIXING INSTRUCTIONS:

1. Read all instructions on both "A" and "B" drums.
2. DO NOT USE MATERIAL BEYOND ONE YEAR AFTER THE DATE OF MANUFACTURE
3. Remove one bung cap from the top of drum.
4. Stir the material with a clean, dry wooden or steel instrument that will reach all the way to the bottom of the drum. Stir the product a MINIMUM OF 20 REVOLUTIONS. DO NOT USE THE SAME INSTRUMENT THAT WAS USED ON THE "A" DRUM.
5. Pour contents of "B" drum into "A" drum.
6. The products should be stirred on close to the time of application as possible. If successive drums are to be used, only stir one drum at a time. Each successive drum should be stirred immediately before the number of the fraction hose.
7. THIS MATERIAL MAY NOT BE APPLIED AT AMBIENT TEMPERATURES LESS THAN +23°F/-4°C. Application surfaces must be clean, dry and free of all release agents and curing compounds. See manufacturer's specifications for preparation procedures for specific surface types.
8. Prime surfaces as necessary. THE COATING BECOMES A VAPOR AND WATERPROOF BARRIER ONLY AFTER DRYING (THOROUGHLY).
9. If necessary, protect the finished product with protection board.
10. Clean up "A" side of pumps, hoses, spray wand and tools using a grease cutting solvent / green cleaning agent. Clean up "B" side of pumps, hoses, spray wand and tools with clean water only.

WARNING: TROWEL GRADE AND TROWEL GRADE CATALYSTS ARE NOT INTERCHANGEABLE WITH SPRAY APPLIED PRODUCTS. MIXING THE TWO WILL RESULT IN WARRANTY VOID.

IF PRODUCT COMES INTO CONTACT WITH SKIN OR EYES, IF SWALLOWED, INDUCE VOMITING AND CONTACT A PHYSICIAN.

KEEP FROM FREEZING.

LIMITED WARRANTY: The Manufacturer warrants its products to be free of defects. This warranty only applies when the product is applied by Manufacturer's Approved Applicators. The applicator is responsible for determining the suitability of the product for the intended uses and application procedures. As factors which affect the result obtained from this product, including weather, equipment used, and workmanship are beyond the manufacturer's control, we warrant only that the materials furnished conforms to our product specifications. Under this warranty, if any product shall be proved to be defective within 12 months of manufacture, provided it has been applied in accordance with our written directions for uses we recommend, and provided the product is not used after the manufacturer's stated shelf life, we will at our option replace the product or refund the purchase price. We make no other warranties of merchantability or fitness for a particular use, express or implied, and no other warranties shall be implied by law. We shall not be liable for any consequential or incidental damages including any implied warranty of merchantability or fitness for a particular use. Any claims must be received in writing within the product shelf life and before the product has been used for its intended purpose. Any claims for damages resulting from any defects or any delays caused by replacement or otherwise, shall be limited to the purchase price of the product. Any claims must be received in writing within the warranty period. Any claims not made within the warranty period shall be deemed waived. Any claims for damages resulting from any defects or any delays caused by replacement or otherwise, shall be limited to the purchase price of the product. Any claims must be received in writing within the warranty period. Any claims not made within the warranty period shall be deemed waived.

201946CV
Manufactured 11/12/19

USE BEFORE 05/12/20

By BJ

APPLICATOR IS RESPONSIBLE FOR DISCARDING THIS DRUM IN ACCORDANCE WITH ALL GOVERNMENTAL REQUIREMENTS

USE BEFORE:

55 U.S. GALLONS

[redacted] ENVIRONMENTAL TECHNOLOGIES CO

PLANT CVI MADE IN THE USA

TYPE
LOT # CV 46 2019
ROLL # 9

SQ/FT-PALLET
WEIGHT
PALLET # 2000

WIDTH FEET
WIDTH METERS 0

LENGTH FEET
LENGTH METERS 0

LIQUID BOOT B LT-55G

9

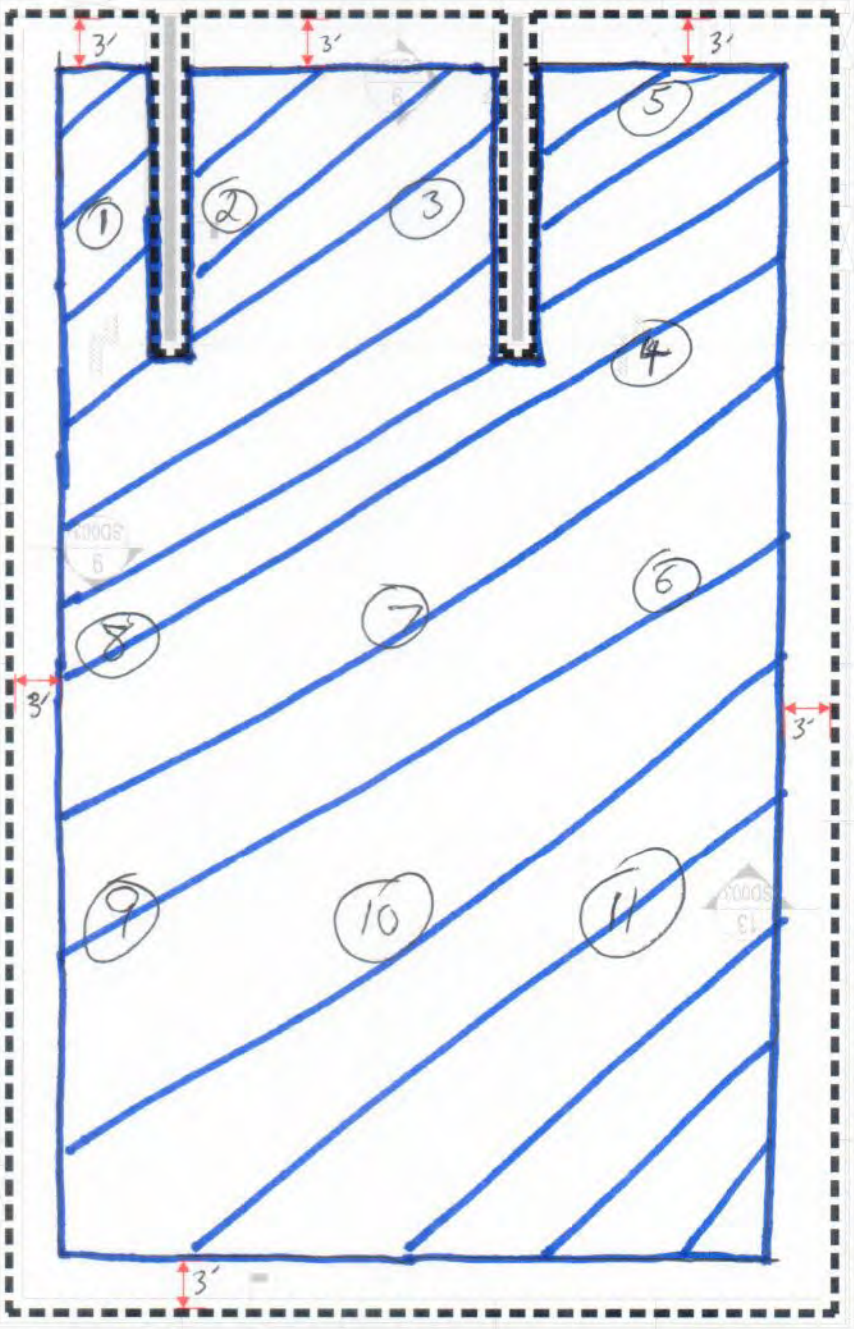
LOT # CV-46-2019 9

PRECAUTIONS FOR HANDLING AND STORAGE

Keep From Freezing

QTY

P5
Smoke Test
12/6/2019



(1) >60 mils
(2) >60 mils
(3) >60 mils
(4) >60 mils
(5) >60 mils
(6) >60 mils
(7) >60 mils
(8) >60 mils
(9) >60 mils
(10) >60 mils
(11) >60 mils

Key
☒ Smoke-Tested Area

2/2

Liquid Boot QA/QC Field Report

Project: P.S. Date: 03/25/2020 Weather: 50°F Cloudy

Area: Slab Perimeter (3' wide) Inspection Performed: ☒ Smoke Test ☐ Thickness Test

Item	Y	N	N/A	Notes
1. Materials undamaged, unexpired, stored properly	X			
2. Subbase/concrete prepared per specifications			X	
3. VI-20 installed				
4. Liquid Boot installed at all:				
a. Penetrations	X			
b. VI-20 overlap	X			
c. Foundation contact	X			
d. Elevator pit walls		X		
6. Smoke testing at approximately every 2,500 ft^2	X			
7. Thickness testing at approximately every 500 ft^2	X			
8. Installation of all subsurface components prior to protection course installation	X			
7. Protection course installation	X			

Thickness Testing (if applicable):	Test #	Mils	Test #	Mils	Test #	Mils	Notes
	1	60	6	108	11		
	2	52	7	99	12		Thin Area re-spray to correct thickness
	3	101	8		13		
	4	49	9		14		Thin [illegible] re-spray to correct thickness
	5	62	10		15		

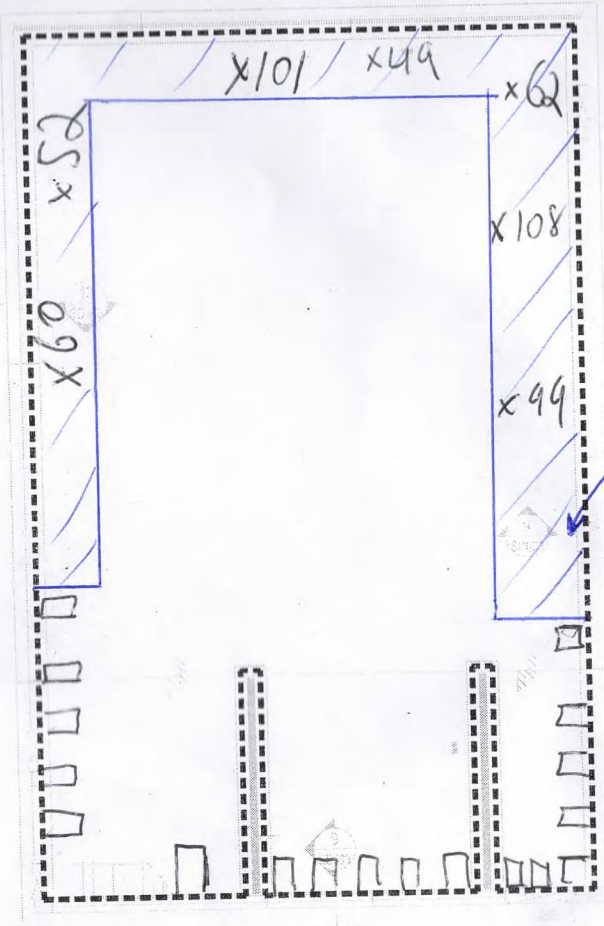
Inspected By

Signature

STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER

03/25/2020

Date



Area Inspected
Thickness and smoke test
03/25/2020
3' wide Perimeter.

STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER

LEGEND:

HORIZONTAL EXTENT OF LIQUID BOOT GAS VAPOR BARRIER

NOTES:

1. DRAWING NOT TO BE USED FOR ARCHITECTURAL, STRUCTURAL, OR ANY PURPOSE OTHER THAN GAS VAPOR BARRIER
2. GAS PERMEABLE AGGREGATE LAYER, SSDS, AND SURFACE PREPARATION BY OTHERS.

ISSUED FOR APPROVAL

No.	Date	Description
1	06/06/2019	ISSUED FOR APPROVAL

Scale:	Date:
3/16" = 1'-0"	06/06/2019
Designed:	Drawn by: TC / Checked by: ZT

Project:

Drawing Title:
GAS VAPOR BARRIER
FLOOR PLAN/LAYOUT

Drawing No.: SD001

Sheet in Drawing Set: 01 of 03

Liquid Boot QA/QC Field Report

Project: PS Date: 06/30/2020 Weather: 75°F Sunny

Area: Inspection Performed: ☒Smoke Test ☒Thickness Test

Item	Y	N	N/A	Notes
1. Materials undamaged, unexpired, stored properly	X			Liquid Boot LT was used.
2. Subbase/concrete prepared per specifications			X	
3. VI-20 installed				
4. Liquid Boot installed at all:				
a. Penetrations	X			
b. VI-20 overlap	X			
c. Foundation contact	X			
d. Elevator pit walls		X		
6. Smoke testing at approximately every 2,500 ft²	X			
7. Thickness testing at approximately every 500 ft²	X			
8. Installation of all subsurface components prior to protection course installation	X			
7. Protection course installation	X			

	Test #	Mils	Test #	Mils	Test #	Mils	Notes
Thickness Testing (if applicable):	1	90	6		11		
	2	110	7		12		
	3	80	8		13		Top layer thickness taken
	4	60	9		14		
	5		10		15		

Inspected By

Signature

STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER

06/30/2020

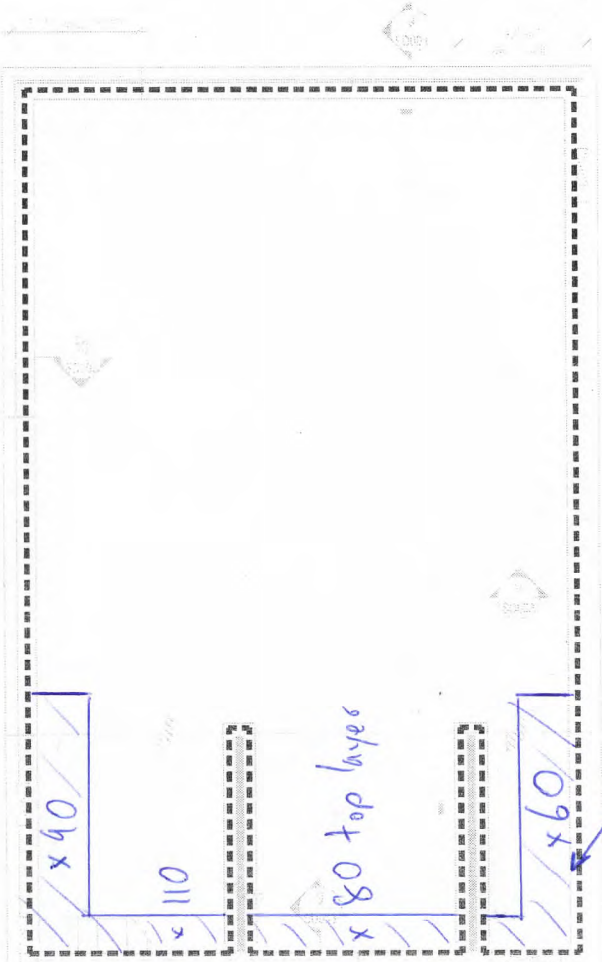
Date

LEGEND:

HORIZONTAL EXTENT OF LIQUID BOOT GAS VAPOR BARRIER

NOTES:

1. DRAWING NOT TO BE USED FOR ARCHITECTURAL, STRUCTURAL, OR ANY PURPOSE OTHER THAN GAS VAPOR BARRIER.
2. GAS PERMEABLE AGGREGATE LAYER, SSDS, AND SURFACE PREPARATION BY OTHERS.



STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER

Area Inspected
Thickness and Smoke Test
06/30/2020
3' wide perimeter

ISSUED FOR APPROVAL

No.	Date	Description
1	06/06/2019	ISSUED FOR APPROVAL

Scale: 3/16" = 1'-0"		Date: 06/06/2019
Designed:	Drawn by: TC	Checked by: ZT

Project:
P.S. 246X
GYM ANNEX

Address:

Drawing Title:
GAS VAPOR BARRIER
FLOOR PLAN/LAYOUT

Drawing No: SD001

Sheet in Drawing Set: 01 of 02

Note: The site must be declared as a Brownfield during design by a New York City, New York State, or federal government agency.

S1.7 – Brownfield Redevelopment

The documentation indicating that remediation has been completed to its satisfaction is required if a school site is contaminated and requires regulatory oversight.

SCA
School Construction Authority

NYC
Department of Education

Date (

RA, AIA, LEED-AP BD&C O&M
Senior Associate

Re: Name of School: |
Address of School: ! **New York, NY 10036**
Contract # **C(**
S1.6R and S1.7

Dear Mr.

Please be advised that the aforementioned Project has been assessed, remediated and completed in accordance with the Contract Documents and NYC GSG 1.6R and 1.7. The attached Asbestos Project Completion Form – ACP 21 was filed with the NYC Department of Environmental Protection on 5/18/2016

Yours truly,

Project Officer
NYC School Const. Authority
@nycsca.org

30-30 Thomson Avenue
Long Island City, NY 11101

DEPT BLDGS Job No.

Scan Code

Environmental Protection

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

Asbestos Control Program

59-17 Junction Boulevard, 8th Floor, Flushing, NY 11373

ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zip _____

DEP Asbestos Control Program is in receipt of the following document (s)

- [x] Project Monitor's Report
- [ ] A-TR1 form filed by Registered Design Professional

Based on the above submitted documentation the Department is issuing the

- [X] Project Completion Form (entire project)
- [ ] Project Completion Form (partial project)

(See next page for the list of closed-out location(s) of abatement)

DEP hereby acknowledges that it has received the above documentation required pursuant to section 1-22(b) of the DEP Asbestos Rules (15 RCNY Chapter 1) for the completion of this project. Please note that the issuance of this Form is not a certification that the asbestos project was performed in accordance with the DEP Asbestos Rules or that the building is free of asbestos containing material. This Form is issued based on representations contained in documentation submitted by the applicant, or other relevant party.

Date:

_____
Signature

NYC Environmental Protection

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

Asbestos Control Program

59-17 Junction Boulevard, 8th Floor, Flushing, NY 11373

ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (If applicable)
			Square Feet	Linear Feet	
3	North side	Interior window caulk	4		
5	North side	Interior Window Glazing Putty	20		
6	North Side	Internal Window Caulk	4		
6	North Side	Internal Window Glazing Putty	20		
		TOTAL ACM	48		

NYC Environmental Protection

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

Asbestos Control Program

59-17 Junction Boulevard, 8th Floor, Flushing, NY 11373

ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zip _____

DEP Asbestos Control Program is in receipt of the following document (s)

- [x] Project Monitor's Report
- [ ] A-TR1 form filed by Registered Design Professional

Based on the above submitted documentation the Department is issuing the

- [ ] Project Completion Form (entire project)
- [X] Project Completion Form (partial project)

(See next page for the list of closed-out location(s) of abatement)

DEP hereby acknowledges that it has received the above documentation required pursuant to section 1-22(b) of the DEP Asbestos Rules (15 RCNY Chapter 1) for the completion of this project. Please note that the issuance of this Form is not a certification that the asbestos project was performed in accordance with the DEP Asbestos Rules or that the building is free of asbestos containing material. This Form is issued based on representations contained in documentation submitted by the applicant, or other relevant party.

Date:

_____
Signature

NYC Environmental Protection

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

Asbestos Control Program

59-17 Junction Boulevard, 8th Floor, Flushing, NY 11373

ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (if applicable)
			Square Feet	Linear Feet	
6	Open Area	Floor tile	16		
		TOTAL ACM	16		

NYC Environmental Protection

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

Asbestos Control Program

59-17 Junction Boulevard, 8th Floor, Flushing, NY 11373

ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zip _____

DEP Asbestos Control Program is in receipt of the following document (s)

- [x] Project Monitor's Report
- [ ] A-TR1 form filed by Registered Design Professional

Based on the above submitted documentation the Department is issuing the

- [ ] Project Completion Form (entire project)
- [x] Project Completion Form (partial project)

(See next page for the list of closed-out location(s) of abatement)

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Date:

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Signature

NYC Environmental Protection

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

Asbestos Control Program

59-17 Junction Boulevard, 8th Floor, Flushing, NY 11373

ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (If applicable)
			Square Feet	Linear Feet	
Roof	Roof	Roof Membrane	64		
		TOTAL ACM	64		

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- [ ] A-TR1 form filed by Registered Design Professional

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ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (if applicable)
			Square Feet	Linear Feet	
6	Open Storage Area	V.A.T. and Mastic	34,745		
6	Open Storage Area	TSI Pipe Insulation		1,280	
6	Open Storage Area	Joint to Pipe Insulation		10	
6	Open Storage Area	Textured Green paint on metal piping	40		
6	Open Storage Area	Textured Green Paint on Walls	5,000		
6	Offices	Gray Carpet,VAT and Mastic	2,800		
6	Offices	TSI Pipe Insulation		400	
6	Offices	Black Vinyl Cove Base/Mastic	850		
6	Open Office Area	Black Vinyl Cove Base/Mastic	960		
6	Open Office Area	Dark Gray Carpet,VAT/Mastic	1,050		
6	Break Room 620	V.A.T. / Mastic	440		
6	Storage Room 619	V.A.T. / Mastic	440		
6	Office Hallway	V.A.T. / Mastic	450		
6	Office Suite(601,602,603)	V.A.T. / Mastic	1,200		

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Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (if applicable)
			Square Feet	Linear Feet	
6	Men's Bathroom	V.A.T. / Mastic	160		
6	Bathrooms	Mirror Mastic	50		
6	inside troughout	Light Fixture Wiring		1,300	
5	Hallway	Black Vinyl Cove Base/Mastic	2,100		
5	Hallway	TSI Pipe Insulation		80	
5	Open Storage Area	TSI Pipe Insulation		315	
4	Open Storage Area	TSI Pipe Insulation		65	
3	Open Storage Area	TSI Pipe insulation		115	
3	Interior troughout	Light Fixture Wiring (White)		1,300	
2	Hallway / Open Offices	V.A.T.	8,230		
2	Hallway / Open Offices	TSI Pipe Insulation		425	
2	Open Storage Area	V.A.T. and Mastic	7,300		
2	Open Storage Area	TSI Pipe Insulation		200	
2	Inside Troughout	El. Switch Wiring (Red)		800	

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Premise Address _____ Borough Manhattan Zip ____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (if applicable)
			Square Feet	Linear Feet	
2	Inside Troughout	El Switch Wiring(White)		800	
2	Inside Troughout	El.Switch Wiring(Black)		800	
2	Inside Troughout	Light Fixture Wiring (Black)		1,300	
2	Inside Troughout	Light Fixture Wiring (White)		1,300	
2	Roof	Paint On Exter.Door	30		
2	Roof	Paint on Metal Wrought Gate	55		
2	Roof	Mechanical Unit Caulking	2		
2	Roof	Mech.Unit Pitch Pocket/Flashing/Tar	8		
1	44 Str. Emergency Stair	TSI Pipe Insulation, Joint		42	
1	Waiting Area	V.A.T. / Mastic	560		
1	Storage 115	V.A.T/ / Mastic	4,940		
1	Storage 120	V.A.T. / Mastic	1,480		
1	Locker 122	V.A.T. / Mastic	400		
1	Storage 126	V.A.T. / Mastic	4,060		

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ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (if applicable)
			Square Feet	Linear Feet	
1	Mechanical 124	V.A.T. / Mastic	190		
1	Mechanical 111	V.A.T. / Mastic	100		
1	Mechanical 109	V.A.T. / Mastic	120		
1	Reading 110	V.A.T. / Mastic	6,770		
1	Office 116	V.A.T. / Mastic	280		
1	Storage 123	V.A.T. / Mastic	220		
1	Office 131 / 132	V.A.T. / Mastic	580		
1	Open Office/ Storage Area	TSI Pipe Insulation		1,050	
1	Open Office/ Storage Area	Pipe joint to Fiberglass Pipe insulation		3	
1	Bathrooms	Pipe joint to Fiberglass insul.		5	
1	Inside Troughout	Light Fixture Wiring (Black)		1,300	
1	Inside Troughout	Light Fixture Wiring (White)		1,300	
Basement	Main Area	TSI Pipe Insulation		3,500	

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Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (if applicable)
			Square Feet	Linear Feet	
Basement	Main Area	Pipe joints to Fiberglass Insul.		8	
Basement	Pump Room	TSI Pipe Insulation		250	
Basement	Throughout	Light Fixture Wiring (White)		1,300	
Basement	Throughout	Light Fixture (Black)		1,300	
Basement	Main Service Entrance Room	Main CT Cabinet Panel Board	10		
Basement	Main Service Entrance Room	Main Distribution Panel Board	40		
Main Roof	Water Tower	Textured Inter. Paint on Compressor Base	35		
Main Roof	Water Tower	Paint on Radiators	40		
Main Roof	Water Tower	Inter. Paint on Floor	1,720		
Main Roof	Water Tower	Paint on Compr. Base & Pedestal	400		
Main Roof	Water Tower	Paint on Metal Staircase	500		
Main Roof	Water Tower	TSI Pipe and Joint Insulation		180	
Main Roof	Water Tower	Waterproofing membrane/Ornam.Bricks	350		

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ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (if applicable)
			Square Feet	Linear Feet	
Main Roof	Water Tower	Wood plank/Tar S/W Corner 3rd Level	4		
WaterTower	Exterior	Internal Window Caulking	22		
WaterTower	Exterior	Internal Window Glazing	65		
2	By the entrance	V.A.T. and Mastic	150		
6	Hallway by entrance	V.A.T. and Mastic	150		
1	Office area	VAT/Mastic	1,600		
2	Throughout	VAT/Mastic	10,700		
		TOTAL ACM	101,396	20,728	

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ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (if applicable)
			Square Feet	Linear Feet	
1	By 43rd Street Entrance	Pipe insulation		45	
1	By 43rd Street Office Areas	Pipe insulation		15	
1	By 44th Street Loading Dock East	Pipe insulation		24	
1	By 44th Street Loading Dock West	Pipe insulation		60	
		TOTAL ACM		144	

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ASBESTOS PROJECT COMPLETION FORM- ACP21

Premise Address _____ Borough Manhattan Zi _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (if applicable)
			Square Feet	Linear Feet	
6	Troughout	Internal Window Caulking	140		
6	Troughout	Internal Window Glazing Putty	1,160		
Basement	Electrical Room	Transite panels	400		
Basement	Right side of 43 Street Elevator	VAT / Mastic	385		
Main Roof	Water Tank Condensing Unit	Corrugated Cellulose Insulation	60		
Basement	West side pipe chase	Pipe Insulation		75	
1	West side pipe chase	Pipe Insulation		75	
2	West side pipe chase	Pipe Insulation		75	
2	East side pipe chase	Pipe Insulation		30	
3	West side pipe chase	Pipe Insulation		75	
3	East side pipe chase	Pipe Insulation		30	
4	West side pipe chase	Pipe Insulation		75	
4	East side pipe chase	Pipe Insulation		30	
5	West side pipe chase	Pipe Insulation		75	

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Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (If applicable)
			Square Feet	Linear Feet	
5	East side pipe chase	Pipe Insulation		30	
6	West side pipe chase	Pipe Insulation		75	
6	East side pipe chase	Pipe Insulation		30	
5	Open storage area	Textured Beidge Wall Paint	1,500		
5	Troughout	Interior Window Glazing Putty	1,160		
3	Troughout	Interior Window Caulk	140		
2	43rd St South Window Wall	Pipe insulation		21	
Main Roof	Water Tank Chiller	Corrugated sheet and corner material of water tank	770		
Main Roof	North Skylight Bulkhead	Tar/Tar Paper	400		
Main Roof	North Skylight Bulkhead	Grey Expansion Joint Caulk	8		
Main Roof	Center Skylight Bulkhead	Tar/Tar Paper	200		
Main Roof	Center Skylight Bulkhead	Grey Expansion Joint caulk	4		
Main Roof	South Skylight Bulkhead	Tar/Tar Paper	900		
Main Roof	Main roof perimetar	Tar Below Metal Caping	790		

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Premise Address _____ Borough Manhattan Zip _____

CLOSED-OUT LOCATION(S) OF ABATEMENT

Floor	Section of Floor	Type of Asbestos Containing Material	Amount of ACM		DOB Job Number(s) (If applicable)
			Square Feet	Linear Feet	
Main Roof	Water Tank	Caulking between transite panels	7		
		TOTAL ACM	8,024	696	

E2.2 – Enhanced Refrigerant Management

REFRIGERANT IMPACT FORM

Credit E2.2

School Construction Authority
NYC Green Schools Rating System - 2016

Project: Fill-in
Address: Fill-in
LLW #: Fill-in Design #:
Date: 9/24/2021

Engineering Firm: Fill-in
Preparer: Fill-in
Telephone: Fill-in

The matrix below is to assist in calculating the refrigerant impact using the following calculation: **LCGWP + LCODP x 100,000 is less than or equal to 100**

Weighted average for multiple pieces of equipment: **[Σ (LCGWP + LCODP x 100,000) x Qunit] / Qtotal is less than or equal to 100**

Inputs - **Enter project specific project information in below**										Calculations - shaded cells will calculate automatically					
Description HVAC&R equipment	**N** No. of Units	**Q unit** (Tons)	**Refrig-erant**	**GWPr**	**ODPr**	**Rc** (lb/ ton)	**Life** (yrs)	**Lr** (%)	**Mr** (%)	**Q total Tons**	**Tr** (Lr x Life +Mr)	**LCGWP** (GWPr x Tr x Rc/Life)	**LCODP x 10000**	**RAI =** LCGWP+ LCODPx 100000	**(LCGWP + LCODP x 100000) x Qtotal**
CH-1	**1**	**162**	**R410a**	**1,890**	**0**	**1.5**	**20**	**2.0%**	**10%**	**162**	**50%**	**70.9**	**0**	**70.9**	**11482**
AC/AUUC-4&5&6	**3**	**3**	**R410a**	**1,890**	**0**	**3.5**	**15**	**2.0%**	**10%**	**9**	**40%**	**176.4**	**0**	**176.4**	**1588**
AC/AUUC-1&2	**2**	**2**	**R407c**	**1,890**	**0**	**4**	**15**	**2.0%**	**10%**	**4**	**40%**	**201.6**	**0**	**201.6**	**806**
AC/AUUC-3	**1**	**2**	**R410a**	**1,890**	**0**	**4**	**15**	**2.0%**	**10%**	**2**	**40%**	**201.6**	**0**	**201.6**	**403**
Walk-In Refrigerator	**1**	**2**	**R134a**	**1,320**	**0**	**4**	**15**	**2.0%**	**10%**	**2**	**40%**	**140.8**	**0**	**140.8**	**282**
Reach-In Refrigerato	**1**	**1**	**R134a**	**1,320**	**0**	**3.94**	**15**	**2.0%**	**10%**	**1**	**40%**	**138.7**	**0**	**138.7**	**139**
Reach-In Freezer	**1**	**0.3**	**R404a**	**3,900**	**0**	**4.17**	**15**	**2.0%**	**10%**	**0**	**40%**	**433.7**	**0**	**433.7**	**130**
										180				**Subtotal =**	**14829**
														Weighted Average Atmospheric Impact [Σ (LCGWP + LCODP x 100,000) x Qunit] / Qtotal =	**82.2**

Definitions:

LCGWP: Lifecycle Direct Global Warming Potential (lbCFC11.Ton-Year) = [GWPr x (Lr x life + Mr) x Rc]/life
LCODP: Lifecycle Ozone Depletion Potential (lbCFC11.Ton-Year) = [ODPr x (Lr x life + Mr) x Rc]/life
GWPr: Global Warming Potential of Refrigerant (0 to 12,000 lbCO2/lbr). See on following page.
ODPr: Ozone Depletion Potential of Refrigerant (0 to .2lbCFC11/lbr). See on following page.
Q unit: Cooling capacity of an individual HVAC or refrigeration unit in tons.
Rc: ACTUAL Refrigerant Charge (0.5 to 5.0 lbs of refrigerant per ton of mechanical-cooling capacity)
Life: Equipment Life (based on equipment type, 15 years unless otherwise demonstrated)
Lr: Refrigerant Leakage Rate (0.5% to 2%; default of 2% unless otherwise demonstrated)
Mr: End-of-life Refrigerant Loss (2% to 10%; default of 10% unless otherwise demonstrated)
Q total: Total mechanical-cooling capacity for a given type of HVAC or refrigeration unit on the project.
RAI: Refrigerant Atmosheric Impact

Ozone-depletion and global-warming potentials of refrigerants (100-yr values)

Refrigerant		**ODP**	**GWP**	**Common Building Application**
Chlorofluorocarbons	CFC-11	1.0	4,680	Centrifugal chillers
	CFC-12	1.0	10,720	Refrigerators, chillers
	CFC-114	0.94	9,800	Centrifugal chillers
	CFC-500	0.605	7,900	Centrifugal chillers, humidifiers
	CFC-502	0.221	4,600	Low-temperature refrigeration
Hydrochloroflurocarbons	HCFC-22	0.04	1,780	Air conditioning, chillers,
	HCFC-123	0.02	76	CFC-11 replacement
Hydrofluorocarbons	HFC-23	~0	12,240	Ultra-low-temperature refrigeration
	HFC-134a	~0	1,320	CFC-12 or HCFC-22 replacement
	HFC-245fa	~0	1,020	Insulation agent, centrifugal chillers
	HFC-404A	~0	3,900	Low-temperature refirifugal chillers
	HFC-407C	~0	1,700	Low-temperature refrigeration
	HFC-410A	~0	1,890	HCFC-22 replacement
	HFC-507A	~0	3,900	Air conditioning
Natural Refrigerants	Carbon Dioxide (CO2)	0	1.0	
	Ammonia (NH3)	0	0	
	Propane	0	3	

Default Maximum Allowable Equipment Refrigerant Charge (lb/ton)

Refrigerant	**10 Year Life**	**15 Year Life**	**20 Year Life**	**23 Year Life**
	(Room or window AC & heat pumps)	(Unitary, split and packaged AC and heat pumps)	(Reciprocating compressors & chillers)	(Centrifugal, Screw & Absorption Chillers)
R-22	0.57	0.64	0.69	0.71
R-123	1.60	1.80	1.92	1.97
R-134a	2.52	2.80	3.03	3.10
R-245fa	3.26	3.60	3.92	4.02
R-407c	1.95	2.20	2.35	2.41
R-410a	1.76	1.98	2.11	2.17

4/30/2016
Revised 10/31/18

This credit is only feasible for modernizations, renovations of leased spaces, and for additions fitting the size criteria outlined in the credit requirements.

M1.2 & M1.3 BUILDING REUSE, MAINTAIN EXISTING WALLS, FLOORS & ROOF

M1.4 - BUILDING REUSE, MAINTAIN INTERIOR NON-STRUCTURAL ELEMENTS

These credits are only feasible for modernizations, renovations of leased spaces, and for additions fitting the size criteria outlined in the credit requirements of GSG-2016

Building Reuse Calculation
Credit M1.2, M1.3 and M1.4

School Construction Authority
NYC Green Schools Rating System - 2016

Project: Fill-in
Address: Fill-in
LLW #: Fill-in Design #:
Date: 9/24/2021

Engineer: Fill-in
Preparer: Fill-in
Telephone: Fill-in

Table 1: Credit M1.2 and M1.3 - Building Structure / Envelope Reuse Calculation

M1.2 - Projects that reuse/divert from landfill 75% or more of the existing structure achieve this credit.
M1.3 - Projects that reuse/divert from landfill 95% or more of the existing structure achieve this credit.

These columns to be completed only if project does not achieve percentage reuse specified in Credit M1.2 or M1.3

Structure / Envelope Element	Existing Area (SF)	Existing / Reused Area (SF)	Percentage Reused (%)	Weight of Material in lbs*	Source of Weight Assumption
4th Concrete floor Slab	38,000	38,000	100.00%	0	
5th Concrete floor Slab	38,000	37,264	98.06%	0	
6th Concrete floor Slab	38,000	37,347	98.28%	0	
Roof Deck	38,000	38,000	100.00%	0	
4th Fl Interior Structural Walls	16,669	16,495	98.96%	0	
5th Fl Interior Structural Walls	16,354	13,642	83.42%	0	
6th Fl Interior Structural Walls	16,040	15,742	98.14%	0	
North Exterior Wall (excl. windows)	9,988	9,988	100.00%	0	
East Exterior Wall (excl. windows)	5,953	5,953	100.00%	0	
West Exterior (excl. windows)	9,083	9,083	100.00%	0	
South Exterior (excl. windows)	9,940	9,940	100.00%		
Center Court Yard Exterior (excl. windows)	8,705	8,705	100.00%	0	
TOTALS	244,732	240,159	98.13%	0	

Table 2: Credit M1.4 - Interior Non-Structural Reuse Calculation

Projects that reuse/divert from landfill 50% or more of interior non-structural elements achieve this credit.

These columns only to be completed if project does not achieve percentage reuse specified in Credit M1.4

Interior Non-Structural Element	Total Area* (SF)	Existing / Reused Area (SF)	Percentage Reused (%)	Weight of Material in lbs*	Source of Weight Assumption
Gypsum Board Wall Partitions - Full Height		0	0%	0	
Gypsum Board Wall Partitions - Partial Height		0	0%	0	
4th Fl Masonry partitions, non-structural	11,788	10,723	91%	0	
5th Fl Masonry partitions, non-structural	11,704	10,142	87%	0	
6th Fl Masonry partitions, non-structural	11,226	10,349	92%	0	
Carpeting		0	0%	0	
Resilient Flooring		0	0%	0	
Ceramic Tile		0	0%	0	
Suspended Ceiling systems		0	0%	0	
Gypsum Board Ceilings		0	0%	0	
Interior Doors (Wood)		0	0%	0	
Interior Windows / Sidelights		0	0%	0	
Interior Doors (Metal)	966	521	54%	0	
Interior Casework / cabinetry		0	0%	0	
[insert additional lines as necessary]		0	0%	0	
		0	0%	0	
TOTALS	35,684	31,735	89%	0	

***Note: The Total Area Calculation includes both existing materials to remain and existing materials to be reused.**

Assumption - Weight of materials assumptions may be taken from Architectural Graphic Standards or other established source.
Below are a selection of materials weight assumptions from Architectural Graphic Standards.

4" brick: 40 lbs per square foot
6" light weight CMU: 31 lbs per square foot
8" light weight CMU: 35 lbs per square foot
Hardwood Flooring: 4lbs per square foot
Concrete Floor/Roof: light weight 6 lbs per square foot per inch of slab
Built-up Roofing: 6.5 lbs per square foot
Metal Deck: 2.2 lbs per square foot

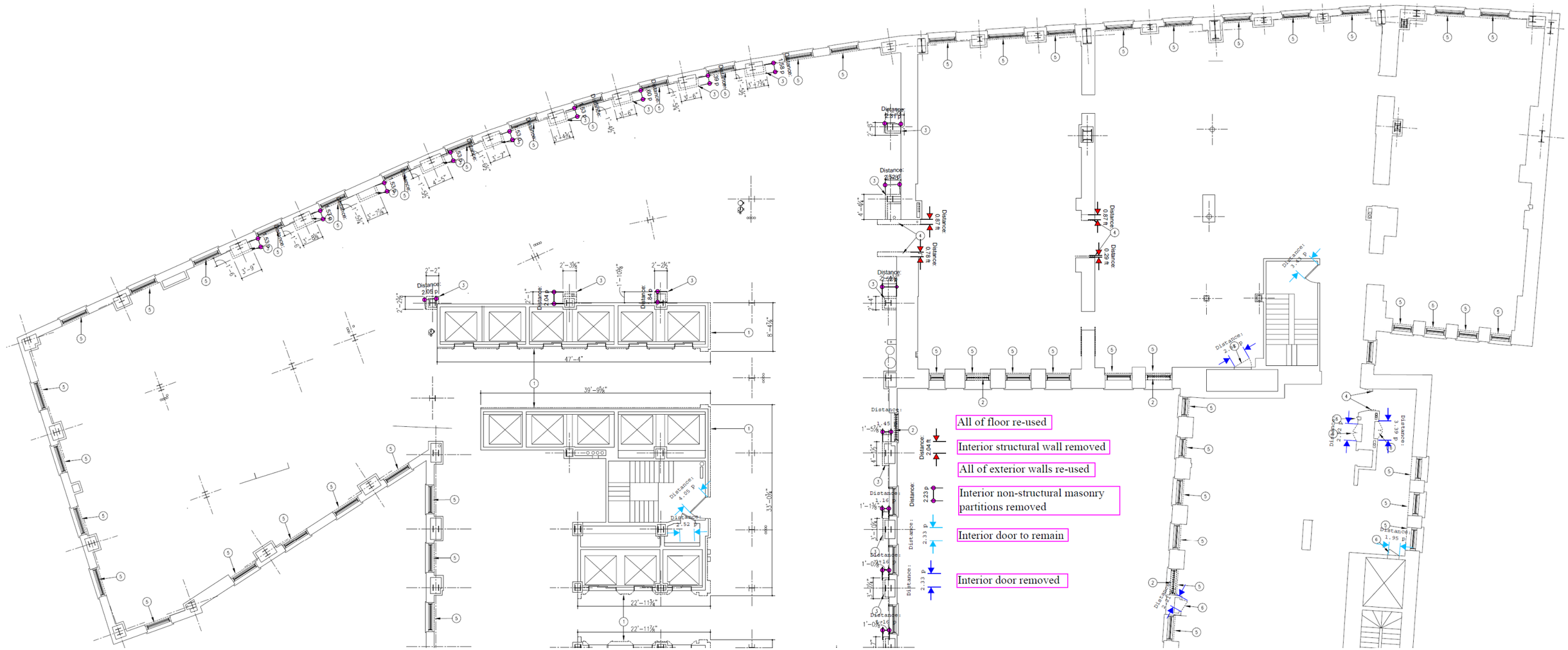
4/30/2016
Revised 10/31/18

Building Re-Use Breakdown Calculations

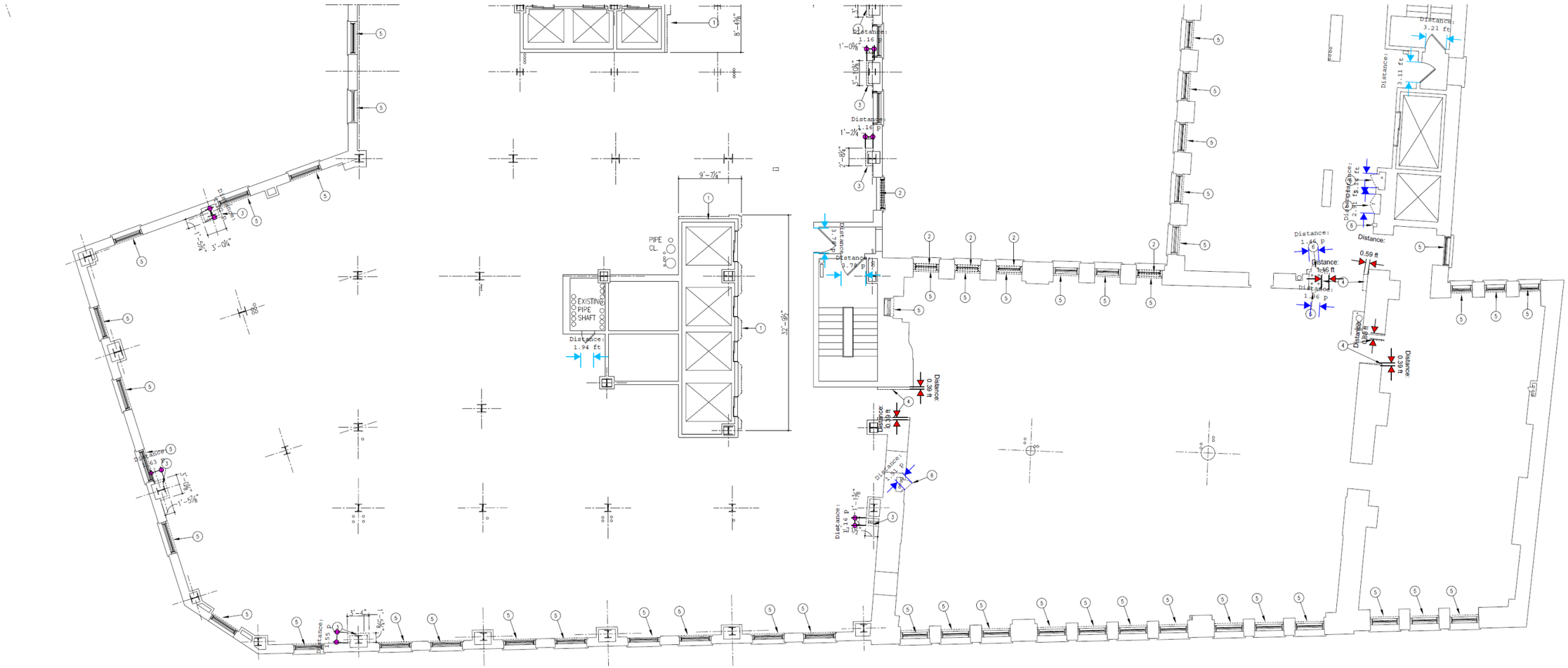
	Existing	Removed	Remaining
5th Fl Slab	38,000	736	37,264
6th Fl Slab	38,000	653	37,347

				Length Removed	Height Removed	Area 1-side Removed	Area 2-sides Removed
4th Fl Interior Structural Walls	16,669	174	16,495	6.61	13.17	87	174
5th Fl Interior Structural Walls	16,354	2,712	13,642	112.24	12.08	1,356	2,712
6th Fl Interior Structural Walls	16,040	298	15,742	11.92	12.50	149	298
4th Fl Masonry partitions, non-structural	11,788	1,065	10,723	40.46	13.17	533	1,065
5th Fl Masonry partitions, non-structural	11,704	1,562	10,142	64.62	12.08	781	1,562
6th Fl Masonry partitions, non-structural	11,226	877	10,349	35.08	12.50	439	877

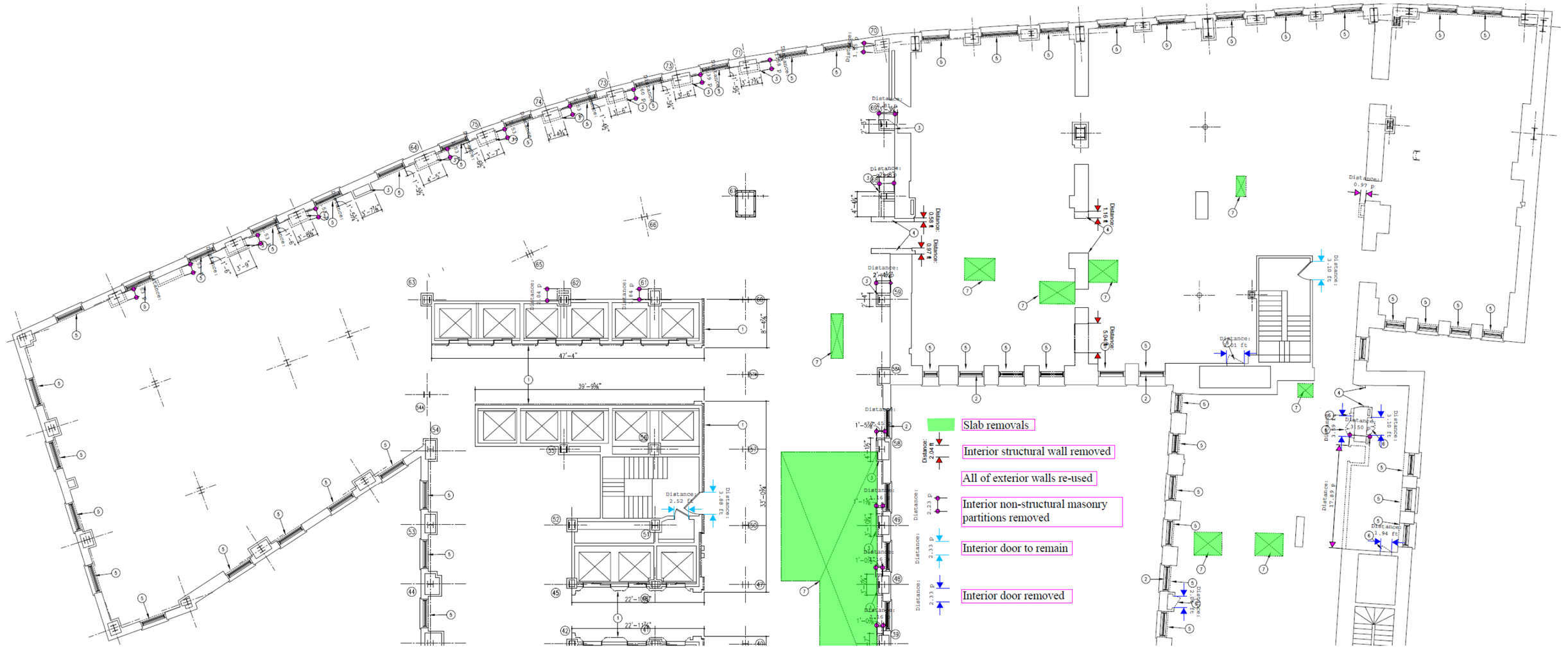
								Length Existing	Height Existing	Area 1-side Existing
4th Fl Interior Doors (Metal)	340	167	173	24	7	167	NA	49	7	340
5th Fl Interior Doors (Metal)	326	153	173	22	7	153	NA	47	7	326
6th Fl Interior Doors (Metal)	330	155	175	22	7	155	NA	47	7	330
Total Interior Doors	996		521							



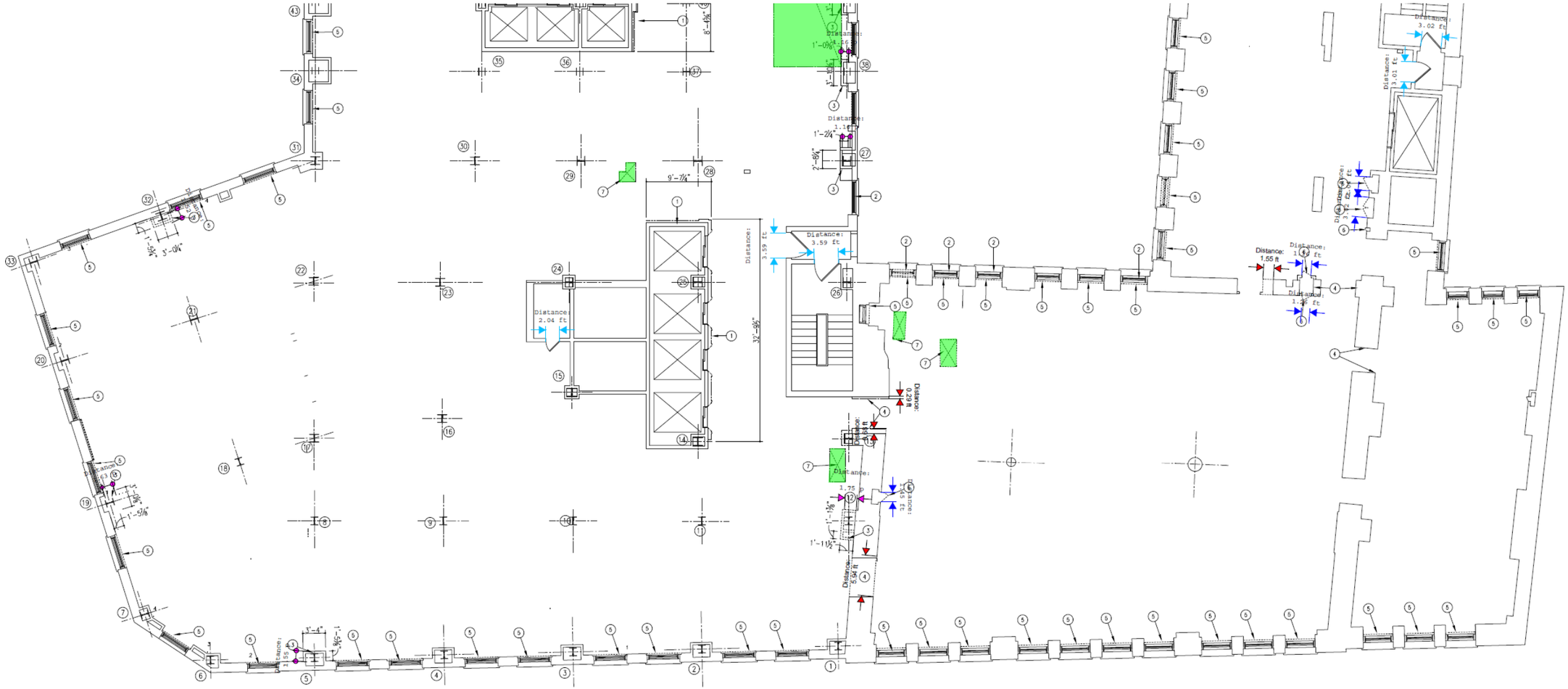
4th Fl North Half



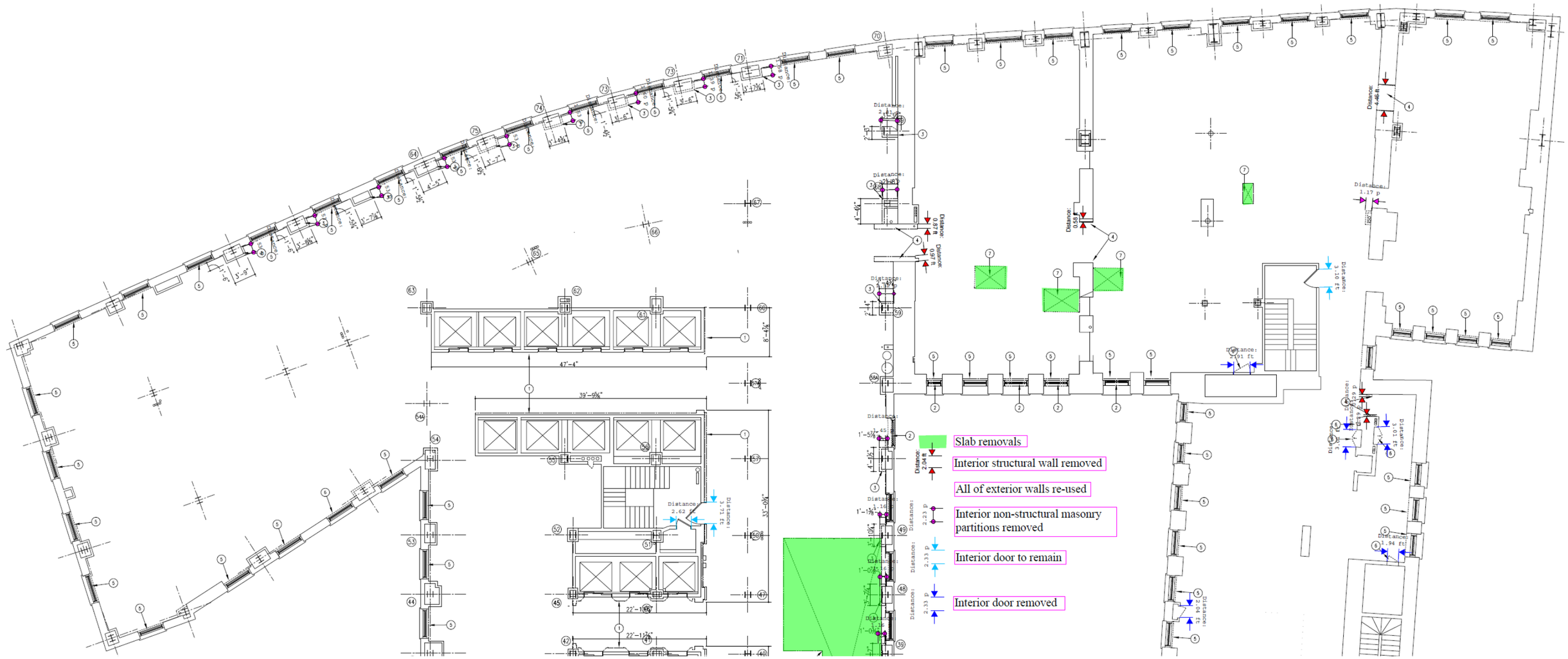
4th Fl South Half



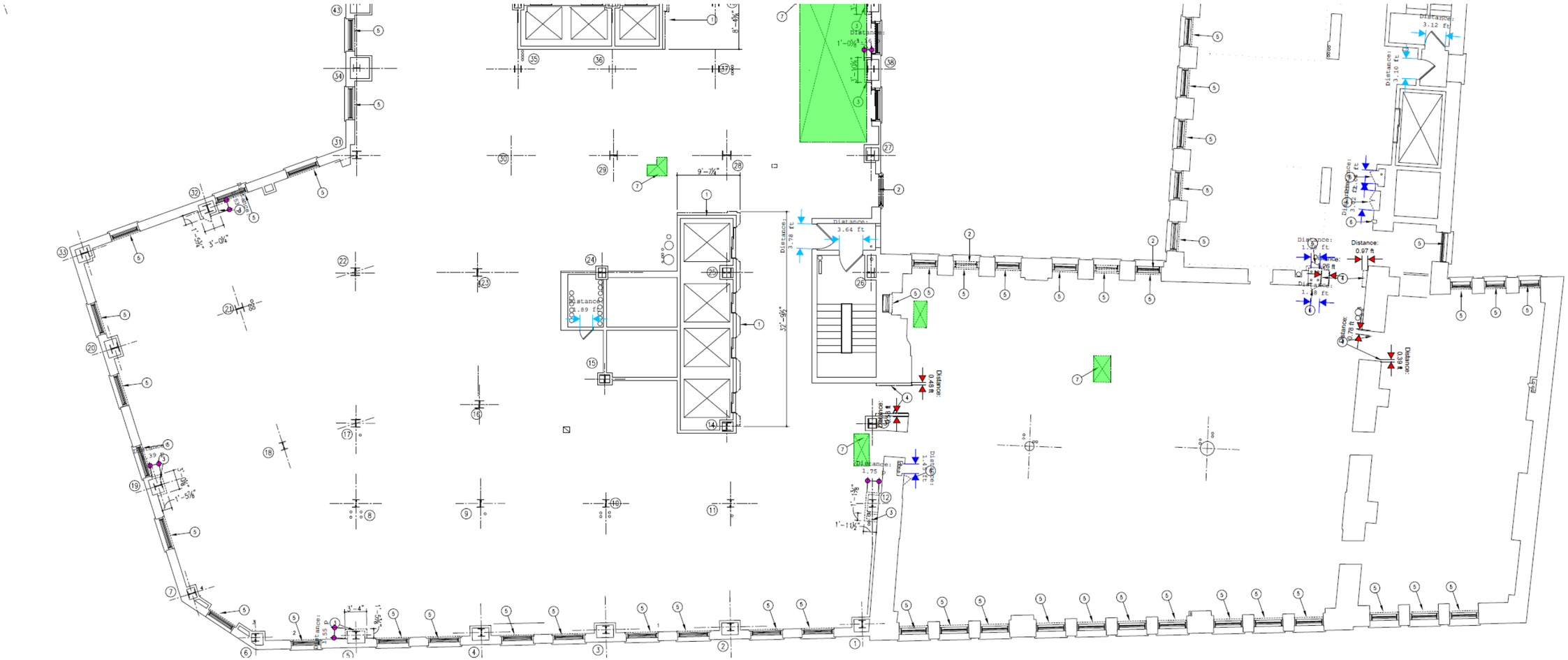
5th Fl North Half



5th Fl South Half



6th Fl North Half



6th Fl South Half

M1.5R, M1.6R & M1.7 Construction Waste Management

NYCSCA Design No.

CONSTRUCTION WASTE MANAGEMENT PLAN

As per Specification Section S01352

, NY 11356

Prepared For:

Prepared For:
New York City Schools Construction Authority
30-30 Thomson Avenue
Long Island City, NY 11101

Prepared By:

May 1, 2019

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Attachments

Table 1 – Estimated Disposal Quantities by Company

Appendix A – Facility Permits

OBJECTIVES

- Recycle, reuse or salvage at least 75% by weight (upwards up to 95%), of the waste generated as a result of demolition, land clearing, and construction activities for the Project.
- Comply with the criteria and documentation requirements of the Materials and Resources (MR) credits; Construction Waste Management, Divert at least 75% of wastes generated from Disposal, of the NYC Green Schools Guide 2016 rating system.

PROJECT DESCRIPTION

This project is owned by the New York City School Construction Authority (NYCSCA) under LLW No. (dated September 15, 2017).

Project activities associated with this Construction Waste Management Plan (CWMP) include the excavation, management, segregation, transportation, and disposal of approximately 1900 cubic yards of construction wastes during the construction of a new building. Excavation activities are largely associated with construction of new building, new footings, and new plumbing.

All recyclable materials will be segregated onsite to be re-used in the future, or picked up as recyclable waste.

PLAN IMPLEMENTATION, OVERSIGHT AND ENFORCEMENT

- The Demolition/Construction Waste Management Plan will be managed by the Construction Manager: Services, Inc. ( ); however, specific salvage and recycling activities will be performed by designated contractors, as detailed in this Plan. will provide oversight, coordination, and enforcement of all waste management activities on site.
- will assemble copies of all tickets, receipts or other submittal information related to waste removal, salvage, and recycling.
- will compile a log of the salvaged and recycled materials throughout the demolition and construction phases. The log will track the total amount of salvaged and recycled materials (by weight), the amount of material sent to landfills (by weight), and

the overall salvage/recycling rate for the project. The log will be updated and presented to the Architect/Design team for review on a monthly basis.

- will designate one individual on-site to coordinate and address issues that may arise related to the project's demolition/construction waste management activities.

WASTE MANAGEMENT MEASURES DURING DEMOLITION AND CONSTRUCTION

- During the demolition, land clearing, and site preparation phase, all salvage and recycling activities will be undertaken by . The targeted materials, sorting methods, and required submittals are described below.
- During the construction phase, all salvage and recycling activities will be undertaken by . The targeted materials, sorting methods, and required submittals are described below.
- Per Section III above, the CM will oversee and enforce designated waste recycler's salvage and recycling efforts, and will collect copies of all tickets, receipts or other submittal information. will use the designated waste recycler submittals to update the project waste recycling log also described in Section III above.

LIST OF TARGETED MATERIALS FOR RECYCLING

Materials to be recycled or salvaged shall be non-hazardous only. The following materials are targeted for diversion and may include donations to charitable organizations or reuse on-site:

- Acoustical Tile;
- Asphalt;
- Beverage containers;
- Brick;
- Cardboard, and packaging;
- Carpet (Pad included);
- Concrete;
- Concrete Masonry Units (CMU);
- Glass;
- Gypsum Wallboard;
- Insulation, Batt and Rigid Foam;

- Metals: (banding, stud trim, ductwork, piping, rebar, roofing, other trim, steel, iron, galvanized sheet steel, stainless steel, aluminum, copper, zinc, lead, brass, and bronze);
- Paint;
- Paper;
- Plastics;
- Roofing Shingles, Asphalt;
- Wood, Clean Dimensional;

Materials that do not need to be tracked include, but are not limited to:

- Hazardous Materials;
- Land clearing debris;
- Excavated Soil;

SORTING METHOD AND DISPOSAL FACILITY INFORMATION

Recyclable Items (Non-C&D Materials)

Items that are brought onsite and do not originate from demolition activities, such as beverage containers, cardboard / packaging material, paper, plastics, and dimensional wood will be sorted by hand to the greatest extent possible. These items will be reused onsite or placed in a recycling collection area, until picked up by a designated waste hauler for transport to a recycling facility. The recycling collection area will be determined by , and may change based on the location of work.

Other recyclable items, such as acoustical tiles, carpets, glass, gypsum wallboards, insulation foam, metals, paint, and roofing shingles, will be segregated from C&D material, and placed in a recycling collection area for pickup by a designated waste hauler.

The list of proposed disposal facilities and haulers can be found below:

FACILITIES:

Facility Name:

Address:

Block/Lot:

Phone:

Facility Name: .
Address:
Block/Lot:
Phone:

Facility Name:
Address:
Phone:

Facility Name:
Address:
Block/Lot:
Phone:

Construction and Demolition (C&D) Waste Materials

All construction and demolition (C&D) waste material (such as concrete, clean fill, virgin sand, gravel, and asphalt) will be gathered in central locations and then trucked to a C&D facility for sorting and recycling. Unless the waste stream is exempt from the NYSDEC Part 364 regulations, all waste materials will be shipped by a licensed hauler with a valid Part 364 truck permit.

will provide a letter from the chosen C&D facility(ies) on their letterhead declaring their recycling rate and listing the receiving facilities/companies that will be purchasing or accepting the recycled or salvaged materials.

The list of proposed C&D facilities can be found below:

FACILITIES:

Facility Name:
Address:
Phone:

Facility Name:

Address:

Block/Lot:

Phone:

MATERIAL/EQUIPMENT PROTECTION MEASURES

All recyclable materials will be segregated and placed in a recycling collection area. This location will vary based on the phase of onsite work. Recyclable items will be segregated by type (i.e. glass, plastic, wood, etc), and collected in closed-top containers that range from 1 CY to 20 CY.

COMMUNICATION PLAN

will be responsible for relaying all items in this CWMP to the appropriate subcontractors. The requirements of this CWMP will be discussed prior to each subcontractor's starting of work onsite. The quantities of materials removed and recycled will be updated daily, and briefly reviewed during each weekly meeting.

Any changes made to this CWMP as per NYCSCA during the project will be immediately relayed to the applicable subcontractors. DOCUMENTATION TO BE PROVIDED

Construction Waste Management Report	Tabulated spreadsheet summarizing job-to-date recycling rates
Monthly Progress Reports	Weight tickets and receipts from companies listed below
Waste Diverted	Waste diverted to date calculation (see below)
Closeout Documentation	Provide all GSG-required closeout documentation accordance with Specification Section S01524 Construction Waste Management

SUBMITTALS

will provide calculations and supporting documentation to demonstrate end-of-project salvage/recycling rates meeting the requirement of at least 75% diversion from landfill.

1. will record and document the total weight (in tons) of all demolition waste materials sent to the landfill;
2. will record and document the total weight (in tons) of all demolition waste materials recycled or salvaged;

3. will provide the name of the receiving facilities/companies that will be purchasing or accepting the recycled or salvaged materials. Receipts or other proof of facility reception of materials will be provided per Item 5 below;
4. For materials separated for recycling off-site, will obtain a letter from the processor (off-site recycling company) stating the average percentage of mixed C&D waste they recycle, along with a listing of the receiving facilities/companies that will be purchasing or accepting the recycled or salvaged materials;
5. will submit monthly Waste Management Progress Reports, containing <u>at a minimum</u> the following information:
    a) Project title, name of company completing report, and dates of period covered by the report;
    b) A total to-date diversion rate;
    c) Copies of on-site logs, weight tickets and receipts. (will save the original documents for the duration of the project plus three (3) years);
    d) Report on the disposal of all jobsite waste, per the below table:

Reused or salvaged materials	• Amount of material salvaged (in tons); • The dates removed from the jobsite; • The receiving party;
Donation to a Third-Party (Charitable Organization)	• Amount of material salvaged (in tons); • The dates donated; • Receipt of Acceptance from recipient;
Recycled Materials (sorted on-site)	• The number of dumpsters or other containers removed; • The volume (in cubic yards) and weight (in tons) of each dumpster; • The dates the dumpsters/containers were removed from the jobsite; • The receiving party;
Recycled Materials (sorted off-site)	• The number of dumpsters or other containers removed; • The volume (in cubic yards) and weight (in tons) of each dumpster; • The dates the dumpsters/containers were removed from the jobsite; • The receiving party; • The type and amount (in tons) of recycled material recovered from the commingled waste;
Landfilled Materials	• The number of dumpsters or other containers removed; • The volume (in cubic yards) and weight (in tons) of each dumpster; • The dates the dumpsters/containers were removed from the jobsite; • The identity of the transfer station or landfill; • Tipping fees;

FINAL CALCULATION OF DEMOLITION & CONSTRUCTION WASTE DIVERSION

Final project-wide D&C waste diversion rate shall be calculated as follows:

Total C&D Waste	x tons	Total waste generated by land clearing, demolition, and construction
Total Recycled	y tons	Materials diverted from landfills, by salvage, reuse, and recycling
Diversion Rate	y/x %	Percentage of project's waste diverted from landfills

MEETINGS AND COMMUNICATIONS

The Construction Waste Management Plan will be reviewed at the kick-off meetings prior to the mobilization and start-up of each trade’s work. Ongoing Plan issues will be recorded via project meeting minutes as the project progresses. Per this Plan, will designate one individual on-site to coordinate and address issues that may arise related to the project’s demolition/construction waste management activities.

Table 1 - Estimated Waste Quantities by Company

	Subcontractors			
	Construction Inc.	**Construction Corp**	**Inc.**	**Construction Services, Inc.**
	(tons)	(tons)	(tons)	(tons)
Cardboard	-	-	15	15
Dimensional Wood	-	-	-	10
Demolition Debris	-	-	50	50
Concrete and Grout – Solid Phase	350	-	50	-
Concrete and Grout – Liquid Phase	-	-	-	-
Slurry, Sludge, and other liquid wastes	-	-	-	-
Bricks	-	-	60	-
Concrete Masonry (CMU)	-	-	60	-
Asphalt	2,400	60	-	450
Metal from rebar and framing	-	-	-	-
Steel pipe piles	-	-	-	-
Structural Steel	-	-	-	-
Paints, solvents, and other hazardous fluids	-	-	-	-
Glass	-	-	-	-
Wood pallets	-	-	-	-
Fencing materials	-	-	-	-
Mercury containing light bulbs	-	-	-	-
PCB containing ballasts/capacitors not marked “PCB Free”	-	-	-	-
Recyclable office wastes such as paper, toner, and ink cartridges that shall be recycled	-	-	-	1
Bedrock	-	250	-	-

Construction Waste Mangement
Credit M1.5R, M1.6R and M1.7

School Construction Authority
NYC Green Schools Rating System - 2016

Project:
Address:
LLW: 1
Date:

Contractor:
Preparer:
Telephone:

Table 1: Construction Waste Management diversion Summary

Diverted / Recycled Materials Description	Diversion / Recycling Hauler or Location	Quantity of Diverted / Recycled Waste	Units (tons or cubic yards)
Concrete		713	tons
Wood		91	tons
Gypsum Wallboard		92	tons
Steel - Metal		49	tons
Crushed Asphalt		414	tons
Masonry - Concrete / Cement / Brick		459	tons
Cardboard - Paper		31	tons
Other: Plastic		34	tons
Other: Screened Fines		5	tons
Other: 6" Minus		1	tons
Other:			
Other:			
Other:			
Other:			
Other:			
Other:			
Other:			
Other:			
Other:			
Other:			
Other:			
TOTAL CONSTRUCTION WASTE DIVERTED		1,888	

Landfill materials Description	Landfill Hauler or Location	Quantity of Diverted / Recycled Waste	Units (tons or cubic yards)
General Mixed Waste		84	tons
Other: Roofing Material		1	tons
Other:			
TOTAL CONSTRUCTION WASTE SENT TO LANDFILL		85	

TOTAL OF ALL CONSTRUCTION WASTE	1,973	
PERCENTAGE OF CONSTRUCTION WASTE DIVERTED FROM LANDFILL	96%	

4/30/2016
Revised 10/31/18

Electronic copy of Form can be downloaded from SCA web site

Note: For months with no reported activity, indicate "no activity."

[redacted] INC.

[redacted]

T: [redacted] Email: [redacted]

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS	[redacted]	**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2018														
January Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
February Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
March Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
June Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
July Total		38.66	35.73	0.37	2.20	0.00	0.00	0.00	0.00	0.00	38.29	0.37	99%	
544486	7/6/2018	17.50	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.50	0.00	100%	Faztec Industries
545236	7/10/2018	17.50	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.50	0.00	100%	Faztec Industries
81270	7/30/2018	3.66	0.73	0.37	2.20	0.00	0.00	0.00	0.00	0.00	3.29	0.37	90%	Cooper Recycling
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	
September Total		8.93	0.89	0.89	5.36	0.00	0.00	0.89	0.00	0.00	8.04	0.89	90%	
94130	9/7/2018	8.93	0.89	0.89	5.36	0.00	0.00	0.89	0.00	0.00	8.04	0.89	90%	Cooper Recycling
October Total		15.83	4.75	0.00	4.75	0.00	0.00	0.00	0.00	0.00	9.50	6.33	60%	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2018 YTD TOTAL
CONCRETE	0.00	0.00	0.00	0.00	0.00	0.00	35.73	0.00	0.89	4.75	0.00	0.00	41.37
METAL	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.89	0.00	0.00	0.00	1.26
WOOD	0.00	0.00	0.00	0.00	0.00	0.00	2.20	0.00	5.36	4.75	0.00	0.00	12.30
PAPER/CARDBOARD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHEETROCK/GYPSUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLASTIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.89
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	0.00	0.00	0.00	0.00	0.00	0.00	38.29	0.00	8.04	9.50	0.00	0.00	55.83
RESIDUAL/TRASH	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.89	6.33	0.00	0.00	7.59
SUBTOTAL	0.00	0.00	0.00	0.00	0.00	0.00	38.66	0.00	8.93	15.83	0.00	0.00	63.42
% OF RECYCLED MATERIAL	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	99%	0%	90%	60%	#DIV/0!	#DIV/0!	88%

[redacted] INC.

JOB: HS/IS - LLW #:

SUBMITTAL ID #:

DESCRIPTION: LEED Tickets June-Sept 2018

DATE:

AREA OF USE: Locations indicated on contract drawings and project specifications

LLW#

HS/IS R STATEN ISLAND

Submittal Log No: S0[redacted]

- [x] NO EXCEPTIONS TAKEN
- [ ] MAKE CORRECTION NOTED
- [ ] REJECTED: REVISE AND RESUBMIT
- [ ] REJECTED: NOT ACCEPTABLE FOR REVIEW

Notations and comments made on the submittal during this review do not relieve the Contractor from compliance with the requirements of the drawings and specifications. Review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action is subject to the requirements of the plans and specifications. The Contractor is responsible for dimensions which shall be confirmed on the job site, selection of fabrication processes and techniques of construction, coordinating the work with that of other trades and material suppliers, and the satisfactory performance of the work.

Date

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2018														
January Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
February Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
March Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
June Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
July Total		38.66	35.73	0.37	2.20	0.00	0.00	0.00	0.00	0.00	38.29	0.37	99%	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	
September Total		8.93	0.89	0.89	5.36	0.00	0.00	0.89	0.00	0.00	8.04	0.89	90%	
October Total		9.27	1.85	0.00	5.56	0.93	0.00	0.00	0.00	0.00	8.34	0.93	90%	
121-1752136	10/2/2018	15.83	4.75	0.00	4.75	0.00	0.00	0.00	0.00	0.00	9.50	6.33	60%	IWS Transfer System
121-1763512	10/16/2018	9.27	1.85	0.00	5.56	0.93	0.00	0.00	0.00	0.00	8.34	0.93	90%	IWS Transfer System
November Total		4.40	0.88	0.00	2.20	0.44	0.00	0.44	0.00	0.00	3.96	0.44	90%	
121-1779208	11/5/2018	4.40	0.88	0.00	2.20	0.44	0.00	0.44	0.00	0.00	3.96	0.44	90%	IWS Transfer System
December Total		4.35	1.09	0.00	2.18	0.00	0.00	0.44	0.00	0.00	3.70	0.65	85%	
121057	12/4/2018	4.35	1.09	0.00	2.18	0.00	0.00	0.44	0.00	0.00	3.70	0.65	85%	Cooper Tank

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2018 YTD TOTAL
CONCRETE	0.00	0.00	0.00	0.00	0.00	0.00	35.73	0.00	0.89	1.85	0.88	1.09	40.45
METAL	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.89	0.00	0.00	0.00	1.26
WOOD	0.00	0.00	0.00	0.00	0.00	0.00	2.20	0.00	5.36	5.56	2.20	2.18	17.49
PAPER/CARDBOARD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.44	0.00	1.37
SHEETROCK/GYPSUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLASTIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.44	0.44	1.77
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	0.00	0.00	0.00	0.00	0.00	0.00	38.29	0.00	8.04	8.34	3.96	3.70	62.33
RESIDUAL/TRASH	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.89	0.93	0.44	0.65	3.28
SUBTOTAL	0.00	0.00	0.00	0.00	0.00	0.00	38.66	0.00	8.93	9.27	4.40	4.35	65.61
% OF RECYCLED MATERIAL	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	99%	0%	90%	90%	90%	85%	95%

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
121-1828671	1/7/2019	6.36	1.57	0.00	1.91	1.28	0.00	0.64	0.00	0.00	5.40	0.96	85%	interstate Waste Services
274786	1/30/2019	1.53	0.00	0.00	1.22	0.00	0.15	0.00	0.00	0.00	1.38	0.15	90%	Evergreen Recycling
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
142179	2/12/2019	2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	Cooper Tank Recycling
March Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
June Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
July Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57
METAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WOOD	3.14	1.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.68
PAPER/CARDBOARD	1.28	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.76
RESIDUAL/TRASH	1.11	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33
SUBTOTAL	7.89	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.09
% OF RECYCLED MATERIAL	86%	90%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	87%

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
March Total		15.47	0.00	3.13	6.19	3.95	0.00	0.00	0.00	0.00	13.27	2.20	86%	
121-1875972	3/7/2019	5.75	0.00	1.44	2.30	1.15	0.00	0.00	0.00	0.00	4.88	0.86	85%	Interstate Waste Services
121-1885616	3/19/2019	2.37	0.00	0.59	0.95	0.59	0.00	0.00	0.00	0.00	2.13	0.24	90%	Interstate Waste Services
121-1893519	3/28/2019	7.36	0.00	1.10	2.94	2.21	0.00	0.00	0.00	0.00	6.26	1.10	85%	Interstate Waste Services
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
June Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
July Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57
METAL	0.00	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13
WOOD	3.14	1.54	6.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.87
PAPER/CARDBOARD	1.28	0.22	3.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.44
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	13.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.03
RESIDUAL/TRASH	1.11	0.22	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.53
SUBTOTAL	7.89	2.20	15.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.56
% OF RECYCLED MATERIAL	86%	90%	86%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	86%

LEED Report
Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
March Total		15.47	0.00	3.13	6.19	3.95	0.00	0.00	0.00	0.00	13.27	2.20	86%	
April Total		13.25	1.56	0.00	3.59	3.98	0.00	2.57	0.00	0.00	11.69	1.56	88%	
249369	4/1/2019	4.69	0.70	0.00	1.88	1.41	0.00	0.00	0.00	0.00	3.99	0.70	85%	Brooklyn C&D
121-1904400	4/10/2019	8.56	0.86	0.00	1.71	2.57	0.00	2.57	0.00	0.00	7.70	0.86	90%	Interstate Waste Services
May Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
June Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
July Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13
METAL	0.00	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13
WOOD	3.14	1.54	6.19	3.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.45
PAPER/CARDBOARD	1.28	0.22	3.95	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.42
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	2.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.43
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	13.27	11.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.72
RESIDUAL/TRASH	1.11	0.22	2.20	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.09
SUBTOTAL	7.89	2.20	15.47	13.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.81
% OF RECYCLED MATERIAL	86%	90%	86%	88%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	87%

LEED Report
Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
March Total		15.47	0.00	3.13	6.19	3.95	0.00	0.00	0.00	0.00	13.27	2.20	86%	
April Total		13.25	1.56	0.00	3.59	3.98	0.00	2.57	0.00	0.00	11.69	1.56	88%	
May Total		21.48	4.72	2.06	4.30	6.44	0.00	1.82	0.00	0.00	19.33	2.15	90%	
98064605	5/3/2019	6.06	0.61	0.00	1.21	1.82	0.00	1.82	0.00	0.00	5.45	0.61	90%	Waste Connections,INC
98066084	5/15/2019	10.29	3.09	1.03	2.06	3.09	0.00	0.00	0.00	0.00	9.26	1.03	90%	Waste Connections,INC
98066658	5/20/2019	5.13	1.03	1.03	1.03	1.54	0.00	0.00	0.00	0.00	4.62	0.51	90%	Waste Connections,INC
June Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
July Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	1.56	4.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.85
METAL	0.00	0.00	3.13	0.00	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.19
WOOD	3.14	1.54	6.19	3.59	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.75
PAPER/CARDBOARD	1.28	0.22	3.95	3.98	6.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.86
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	2.57	1.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.24
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	13.27	11.69	19.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.05
RESIDUAL/TRASH	1.11	0.22	2.20	1.56	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.24
SUBTOTAL	7.89	2.20	15.47	13.25	21.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.29
% OF RECYCLED MATERIAL	86%	90%	86%	88%	90%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	88%

LEED Report
Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTE/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
March Total		15.47	0.00	3.13	6.19	3.95	0.00	0.00	0.00	0.00	13.27	2.20	86%	
April Total		13.25	1.56	0.00	3.59	3.98	0.00	2.57	0.00	0.00	11.69	1.56	88%	
May Total		21.48	4.72	2.06	4.30	6.44	0.00	1.82	0.00	0.00	19.33	2.15	90%	
June Total		47.70	2.37	11.93	14.04	10.20	0.00	2.69	0.00	0.00	41.23	6.47	86%	
98068381	6/3/2019	13.67	1.37	3.42	3.42	2.73	0.00	1.37	0.00	0.00	12.30	1.37	90%	Waste Connections,INC
98069211	6/10/2019	13.27	0.00	3.32	3.32	3.32	0.00	1.33	0.00	0.00	11.28	1.99	85%	Waste Connections,INC
98070071	6/17/2019	9.99	1.00	2.50	3.00	2.00	0.00	0.00	0.00	0.00	8.49	1.50	85%	Waste Connections,INC
98071116	6/25/2019	10.77	0.00	2.69	4.31	2.15	0.00	0.00	0.00	0.00	9.15	1.62	85%	Waste Connections,INC
July Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	1.56	4.72	2.37	0.00	0.00	0.00	0.00	0.00	0.00	10.21
METAL	0.00	0.00	3.13	0.00	2.06	11.93	0.00	0.00	0.00	0.00	0.00	0.00	17.11
WOOD	3.14	1.54	6.19	3.59	4.30	14.04	0.00	0.00	0.00	0.00	0.00	0.00	32.79
PAPER/CARDBOARD	1.28	0.22	3.95	3.98	6.44	10.20	0.00	0.00	0.00	0.00	0.00	0.00	26.07
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	2.57	1.82	2.69	0.00	0.00	0.00	0.00	0.00	0.00	7.94
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	13.27	11.69	19.33	41.23	0.00	0.00	0.00	0.00	0.00	0.00	94.28
RESIDUAL/TRASH	1.11	0.22	2.20	1.56	2.15	6.47	0.00	0.00	0.00	0.00	0.00	0.00	13.71
SUBTOTAL	7.89	2.20	15.47	13.25	21.48	47.70	0.00	0.00	0.00	0.00	0.00	0.00	107.99
% OF RECYCLED MATERIAL	86%	90%	86%	88%	90%	86%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	87%

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
March Total		15.47	0.00	3.13	6.19	3.95	0.00	0.00	0.00	0.00	13.27	2.20	86%	
April Total		13.25	1.56	0.00	3.59	3.98	0.00	2.57	0.00	0.00	11.69	1.56	88%	
May Total		21.48	4.72	2.06	4.30	6.44	0.00	1.82	0.00	0.00	19.33	2.15	90%	
June Total		47.70	2.37	11.93	14.04	10.20	0.00	2.69	0.00	0.00	41.23	6.47	86%	
July Total		51.87	9.89	8.79	15.84	10.28	0.00	0.00	0.00	0.00	44.80	7.07	86%	
98072087	7/2/2019	11.44	0.00	2.86	4.58	2.29	0.00	0.00	0.00	0.00	9.72	1.72	85%	Waste Connections,INC
98073431	7/12/2019	13.45	0.00	3.36	4.71	3.36	0.00	0.00	0.00	0.00	11.43	2.02	85%	Waste Connections,INC
98074937	7/23/2019	12.85	0.00	2.57	5.14	3.21	0.00	0.00	0.00	0.00	10.92	1.93	85%	Waste Connections,INC
121-1992938	7/24/2019	14.13	9.89	0.00	1.41	1.41	0.00	0.00	0.00	0.00	12.72	1.41	90%	Interstate Waste Services
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	1.56	4.72	2.37	9.89	0.00	0.00	0.00	0.00	0.00	20.11
METAL	0.00	0.00	3.13	0.00	2.06	11.93	8.79	0.00	0.00	0.00	0.00	0.00	25.91
WOOD	3.14	1.54	6.19	3.59	4.30	14.04	15.84	0.00	0.00	0.00	0.00	0.00	48.63
PAPER/CARDBOARD	1.28	0.22	3.95	3.98	6.44	10.20	10.28	0.00	0.00	0.00	0.00	0.00	36.34
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	2.57	1.82	2.69	0.00	0.00	0.00	0.00	0.00	0.00	7.94
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	13.27	11.69	19.33	41.23	44.80	0.00	0.00	0.00	0.00	0.00	139.07
RESIDUAL/TRASH	1.11	0.22	2.20	1.56	2.15	6.47	7.07	0.00	0.00	0.00	0.00	0.00	20.79
SUBTOTAL	7.89	2.20	15.47	13.25	21.48	47.70	51.87	0.00	0.00	0.00	0.00	0.00	159.86
% OF RECYCLED MATERIAL	86%	90%	86%	88%	90%	86%	86%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	87%

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
March Total		15.47	0.00	3.13	6.19	3.95	0.00	0.00	0.00	0.00	13.27	2.20	86%	
April Total		13.25	1.56	0.00	3.59	3.98	0.00	2.57	0.00	0.00	11.69	1.56	88%	
May Total		21.48	4.72	2.06	4.30	6.44	0.00	1.82	0.00	0.00	19.33	2.15	90%	
June Total		47.70	2.37	11.93	14.04	10.20	0.00	2.69	0.00	0.00	41.23	6.47	86%	
July Total		51.87	9.89	8.79	15.84	10.28	0.00	0.00	0.00	0.00	44.80	7.07	86%	
August Total		70.41	17.82	3.33	27.81	13.22	0.00	2.15	0.00	0.00	64.33	6.08	91%	
98076291	8/1/2019	11.51	8.06	0.00	1.15	1.15	0.00	0.00	0.00	0.00	10.36	1.15	90%	Waste Connections,INC
98077121	8/7/2019	10.99	1.10	1.10	4.40	3.30	0.00	0.55	0.00	0.00	10.44	0.55	95%	Waste Connections,INC
98077753	8/12/2019	8.18	0.82	0.00	4.09	2.05	0.00	0.41	0.00	0.00	7.36	0.82	90%	Waste Connections,INC
98078476	8/16/2019	7.63	1.14	0.00	3.82	1.91	0.00	0.00	0.00	0.00	6.87	0.76	90%	Waste Connections,INC
261574	8/20/2019	11.37	1.71	0.57	5.69	1.71	0.00	0.57	0.00	0.00	10.23	1.14	90%	Brooklyn C&D
98079715	8/26/2019	8.18	1.23	0.41	4.91	1.23	0.00	0.00	0.00	0.00	7.77	0.41	95%	Waste Connections,INC
98080394	8/30/2019	12.55	3.77	1.26	3.77	1.88	0.00	0.63	0.00	0.00	11.30	1.26	90%	Waste Connections,INC
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	1.56	4.72	2.37	9.89	17.82	0.00	0.00	0.00	0.00	37.92
METAL	0.00	0.00	3.13	0.00	2.06	11.93	8.79	3.33	0.00	0.00	0.00	0.00	29.24
WOOD	3.14	1.54	6.19	3.59	4.30	14.04	15.84	27.81	0.00	0.00	0.00	0.00	76.44
PAPER/CARDBOARD	1.28	0.22	3.95	3.98	6.44	10.20	10.28	13.22	0.00	0.00	0.00	0.00	49.56
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	2.57	1.82	2.69	0.00	2.15	0.00	0.00	0.00	0.00	10.09
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	13.27	11.69	19.33	41.23	44.80	64.33	0.00	0.00	0.00	0.00	203.40
RESIDUAL/TRASH	1.11	0.22	2.20	1.56	2.15	6.47	7.07	6.08	0.00	0.00	0.00	0.00	26.87
SUBTOTAL	7.89	2.20	15.47	13.25	21.48	47.70	51.87	70.41	0.00	0.00	0.00	0.00	230.27
% OF RECYCLED MATERIAL	86%	90%	86%	88%	90%	86%	86%	91%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	88%

LEED Report
Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
March Total		15.47	0.00	3.13	6.19	3.95	0.00	0.00	0.00	0.00	13.27	2.20	86%	
April Total		13.25	1.56	0.00	3.59	3.98	0.00	2.57	0.00	0.00	11.69	1.56	88%	
May Total		21.48	4.72	2.06	4.30	6.44	0.00	1.82	0.00	0.00	19.33	2.15	90%	
June Total		47.70	2.37	11.93	14.04	10.20	0.00	2.69	0.00	0.00	41.23	6.47	86%	
July Total		51.87	9.89	8.79	15.84	10.28	0.00	0.00	0.00	0.00	44.80	7.07	86%	
August Total		70.41	17.82	3.33	27.81	13.22	0.00	2.15	0.00	0.00	64.33	6.08	91%	
September Total		45.84	14.93	0.86	15.28	8.69	0.00	1.50	0.00	0.00	41.26	4.58	90%	
121-2029330	9/5/2019	8.60	3.01	0.86	2.15	1.29	0.00	0.43	0.00	0.00	7.74	0.86	90%	Interstate Waste Services
98081741	9/10/2019	6.79	0.00	0.00	4.41	1.02	0.00	0.68	0.00	0.00	6.11	0.68	90%	Waste Connections,INC
98082101	9/12/2019	6.64	3.32	0.00	1.66	1.00	0.00	0.00	0.00	0.00	5.98	0.66	90%	Waste Connections,INC
98083510	9/20/2019	9.68	4.36	0.00	2.42	1.94	0.00	0.00	0.00	0.00	8.71	0.97	90%	Waste Connections,INC
98083916	9/25/2019	6.23	1.87	0.00	1.87	1.87	0.00	0.00	0.00	0.00	5.61	0.62	90%	Waste Connections,INC
98084516	9/30/2019	7.90	2.37	0.00	2.77	1.58	0.00	0.40	0.00	0.00	7.11	0.79	90%	Waste Connections,INC
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	1.56	4.72	2.37	9.89	17.82	14.93	0.00	0.00	0.00	52.85
METAL	0.00	0.00	3.13	0.00	2.06	11.93	8.79	3.33	0.86	0.00	0.00	0.00	30.10
WOOD	3.14	1.54	6.19	3.59	4.30	14.04	15.84	27.81	15.28	0.00	0.00	0.00	91.71
PAPER/CARDBOARD	1.28	0.22	3.95	3.98	6.44	10.20	10.28	13.22	8.69	0.00	0.00	0.00	58.25
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	2.57	1.82	2.69	0.00	2.15	1.50	0.00	0.00	0.00	11.60
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	13.27	11.69	19.33	41.23	44.80	64.33	41.26	0.00	0.00	0.00	244.66
RESIDUAL/TRASH	1.11	0.22	2.20	1.56	2.15	6.47	7.07	6.08	4.58	0.00	0.00	0.00	31.45
SUBTOTAL	7.89	2.20	15.47	13.25	21.48	47.70	51.87	70.41	45.84	0.00	0.00	0.00	276.11
% OF RECYCLED MATERIAL	86%	90%	86%	88%	90%	86%	86%	91%	90%	#DIV/0!	#DIV/0!	#DIV/0!	89%

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
March Total		15.47	0.00	3.13	6.19	3.95	0.00	0.00	0.00	0.00	13.27	2.20	86%	
April Total		13.25	1.56	0.00	3.59	3.98	0.00	2.57	0.00	0.00	11.69	1.56	88%	
May Total		21.48	4.72	2.06	4.30	6.44	0.00	1.82	0.00	0.00	19.33	2.15	90%	
June Total		47.70	2.37	11.93	14.04	10.20	0.00	2.69	0.00	0.00	41.23	6.47	86%	
July Total		51.87	9.89	8.79	15.84	10.28	0.00	0.00	0.00	0.00	44.80	7.07	86%	
August Total		70.41	17.82	3.33	27.81	13.22	0.00	2.15	0.00	0.00	64.33	6.08	91%	
September Total		45.84	14.93	0.86	15.28	8.69	0.00	1.50	0.00	0.00	41.26	4.58	90%	
October Total		69.37	22.68	0.00	19.42	15.71	0.00	5.39	0.00	0.00	63.19	6.18	91%	
121-2054712	10/3/2019	8.45	2.54	0.00	2.96	1.69	0.00	0.42	0.00	0.00	7.61	0.85	90%	Interstate Waste Services
401495	10/8/2019	8.61	3.87	0.00	3.01	1.29	0.00	0.00	0.00	0.00	8.18	0.43	95%	Lincoln Recycling
402020	10/11/2019	6.53	3.27	0.00	1.96	0.98	0.00	0.00	0.00	0.00	6.20	0.33	95%	Lincoln Recycling
402627	10/16/2019	19.85	2.98	0.00	5.96	6.95	0.00	1.99	0.00	0.00	17.87	1.99	90%	Lincoln Recycling
121-2068182	10/21/2019	9.31	4.66	0.00	0.93	1.86	0.00	0.93	0.00	0.00	8.38	0.93	90%	Interstate Waste Services
403674	10/25/2019	7.72	2.70	0.00	1.93	1.16	0.00	1.16	0.00	0.00	6.95	0.77	90%	Lincoln Recycling
121-2075604	10/30/2019	8.90	2.67	0.00	2.67	1.78	0.00	0.89	0.00	0.00	8.01	0.89	90%	Interstate Waste Services
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	1.56	4.72	2.37	9.89	17.82	14.93	22.68	0.00	0.00	75.53
METAL	0.00	0.00	3.13	0.00	2.06	11.93	8.79	3.33	0.86	0.00	0.00	0.00	30.10
WOOD	3.14	1.54	6.19	3.59	4.30	14.04	15.84	27.81	15.28	19.42	0.00	0.00	111.13
PAPER/CARDBOARD	1.28	0.22	3.95	3.98	6.44	10.20	10.28	13.22	8.69	15.71	0.00	0.00	73.96
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	2.57	1.82	2.69	0.00	2.15	1.50	5.39	0.00	0.00	16.98
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	13.27	11.69	19.33	41.23	44.80	64.33	41.26	63.19	0.00	0.00	307.85
RESIDUAL/TRASH	1.11	0.22	2.20	1.56	2.15	6.47	7.07	6.08	4.58	6.18	0.00	0.00	37.63
SUBTOTAL	7.89	2.20	15.47	13.25	21.48	47.70	51.87	70.41	45.84	69.37	0.00	0.00	345.48
% OF RECYCLED MATERIAL	86%	90%	86%	88%	90%	86%	86%	91%	90%	91%	#DIV/0!	#DIV/0!	89%

LEED Report
Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		CONSTRUCTION MANAGER	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
March Total		15.47	0.00	3.13	6.19	3.95	0.00	0.00	0.00	0.00	13.27	2.20	86%	
April Total		13.25	1.56	0.00	3.59	3.98	0.00	2.57	0.00	0.00	11.69	1.56	88%	
May Total		21.48	4.72	2.06	4.30	6.44	0.00	1.82	0.00	0.00	19.33	2.15	90%	
June Total		47.70	2.37	11.93	14.04	10.20	0.00	2.69	0.00	0.00	41.23	6.47	86%	
July Total		51.87	9.89	8.79	15.84	10.28	0.00	0.00	0.00	0.00	44.80	7.07	86%	
August Total		70.41	17.82	3.33	27.81	13.22	0.00	2.15	0.00	0.00	64.33	6.08	91%	
September Total		45.84	14.93	0.86	15.28	8.69	0.00	1.50	0.00	0.00	41.26	4.58	90%	
October Total		69.37	22.68	0.00	19.42	15.71	0.00	5.39	0.00	0.00	63.19	6.18	91%	
November Total		90.95	32.96	0.00	3.63	4.24	0.00	1.21	0.00	0.00	10.89	1.21	12%	
121-2077633	11/1/2019	12.10	1.82	0.00	3.63	4.24	0.00	1.21	0.00	0.00	10.89	1.21	90%	Interstate Waste Services
121-2080906	11/5/2019	6.81	1.70	0.00	2.04	2.38	0.00	0.00	0.00	0.00	6.13	0.68	90%	Interstate Waste Services
121-2084313	11/7/2019	10.18	2.55	0.00	3.56	3.56	0.00	0.00	0.00	0.00	9.67	0.51	95%	Interstate Waste Services
61031	11/8/2019	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Yannuzzi Recycle
224506	11/12/2019	3.81	0.00	0.00	0.00	2.86	0.00	0.57	0.00	0.00	3.43	0.38	90%	Cooper Tank Recycling
121-2088377	11/14/2019	6.32	0.00	0.00	2.21	2.53	0.00	0.95	0.00	0.00	5.69	0.63	90%	Interstate Waste Services
121-2091132	11/18/2019	4.64	0.00	0.00	1.62	2.55	0.00	0.00	0.00	0.00	4.18	0.46	90%	Interstate Waste Services
121-2094379	11/21/2019	5.14	0.51	0.00	1.54	2.57	0.00	0.00	0.00	0.00	4.63	0.51	90%	Interstate Waste Services
228493	11/25/2019	13.69	4.79	0.00	3.42	4.11	0.00	0.00	0.00	0.00	12.32	1.37	90%	Cooper Tank Recycling
121-2099799	11/27/2019	10.26	3.59	0.00	1.54	4.10	0.00	0.00	0.00	0.00	9.23	1.03	90%	Interstate Waste Services
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	1.56	4.72	2.37	9.89	17.82	14.93	22.68	32.96	0.00	108.48
METAL	0.00	0.00	3.13	0.00	2.06	11.93	8.79	3.33	0.86	0.00	0.00	0.00	30.10
WOOD	3.14	1.54	6.19	3.59	4.30	14.04	15.84	27.81	15.28	19.42	3.63	0.00	114.76
PAPER/CARDBOARD	1.28	0.22	3.95	3.98	6.44	10.20	10.28	13.22	8.69	15.71	4.24	0.00	78.19
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	2.57	1.82	2.69	0.00	2.15	1.50	5.39	1.21	0.00	18.19
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	13.27	11.69	19.33	41.23	44.80	64.33	41.26	63.19	42.03	0.00	349.88
RESIDUAL/TRASH	1.11	0.22	2.20	1.56	2.15	6.47	7.07	6.08	4.58	6.18	1.21	0.00	38.84
SUBTOTAL	7.89	2.20	15.47	13.25	21.48	47.70	51.87	70.41	45.84	69.37	43.24	0.00	388.72
% OF RECYCLED MATERIAL	86%	90%	86%	88%	90%	86%	86%	91%	90%	91%	97%	#DIV/0!	90%

LEED Report
Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2019														
January Total		7.89	1.57	0.00	3.14	1.28	0.15	0.64	0.00	0.00	6.78	1.11	86%	
February Total		2.20	0.00	0.00	1.54	0.22	0.00	0.22	0.00	0.00	1.98	0.22	90%	
March Total		15.47	0.00	3.13	6.19	3.95	0.00	0.00	0.00	0.00	13.27	2.20	86%	
April Total		13.25	1.56	0.00	3.59	3.98	0.00	2.57	0.00	0.00	11.69	1.56	88%	
May Total		21.48	4.72	2.06	4.30	6.44	0.00	1.82	0.00	0.00	19.33	2.15	90%	
June Total		47.70	2.37	11.93	14.04	10.20	0.00	2.69	0.00	0.00	41.23	6.47	86%	
July Total		51.87	9.89	8.79	15.84	10.28	0.00	0.00	0.00	0.00	44.80	7.07	86%	
August Total		70.41	17.82	3.33	27.81	13.22	0.00	2.15	0.00	0.00	64.33	6.08	91%	
September Total		45.84	14.93	0.86	15.28	8.69	0.00	1.50	0.00	0.00	41.26	4.58	90%	
October Total		69.37	22.68	0.00	19.42	15.71	0.00	5.39	0.00	0.00	63.19	6.18	91%	
November Total		90.95	32.96	0.00	19.58	28.90	0.00	2.73	0.00	0.00	84.16	6.79	93%	
December Total		25.13	5.69	0.00	5.21	10.77	0.00	0.94	0.00	0.00	22.62	2.51	90%	
121-210902	12/3/2019	4.64	1.62	0.00	0.70	1.86	0.00	0.00	0.00	0.00	4.18	0.46	90%	Interstate Waste Services
408303	12/9/2019	4.02	0.80	0.00	1.21	1.61	0.00	0.00	0.00	0.00	3.62	0.40	90%	Lincoln Recycling
408828	12/12/2019	3.99	0.80	0.00	1.20	1.20	0.00	0.40	0.00	0.00	3.59	0.40	90%	Lincoln Recycling
121-2119375	12/23/2019	5.43	0.00	0.00	0.00	4.34	0.00	0.54	0.00	0.00	4.89	0.54	90%	Interstate Waste Services
237014	12/30/2019	7.05	2.47	0.00	2.12	1.76	0.00	0.00	0.00	0.00	6.35	0.71	90%	Cooper Tank Recycling

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	1.57	0.00	0.00	1.56	4.72	2.37	9.89	17.82	14.93	22.68	32.96	5.69	114.18
METAL	0.00	0.00	3.13	0.00	2.06	11.93	8.79	3.33	0.86	0.00	0.00	0.00	30.10
WOOD	3.14	1.54	6.19	3.59	4.30	14.04	15.84	27.81	15.28	19.42	19.58	5.21	135.92
PAPER/CARDBOARD	1.28	0.22	3.95	3.98	6.44	10.20	10.28	13.22	8.69	15.71	28.90	10.77	113.62
SHEETROCK/GYPSUM	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
PLASTIC	0.64	0.22	0.00	2.57	1.82	2.69	0.00	2.15	1.50	5.39	2.73	0.94	20.65
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	6.78	1.98	13.27	11.69	19.33	41.23	44.80	64.33	41.26	63.19	84.16	22.62	414.63
RESIDUAL/TRASH	1.11	0.22	2.20	1.56	2.15	6.47	7.07	6.08	4.58	6.18	6.79	2.51	46.93
SUBTOTAL	7.89	2.20	15.47	13.25	21.48	47.70	51.87	70.41	45.84	69.37	90.95	25.13	461.56
% OF RECYCLED MATERIAL	86%	90%	86%	88%	90%	86%	86%	91%	90%	91%	93%	90%	90%

LEED Report
Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ DUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2020														
January Total		38.49	12.32	0.00	12.23	10.56	0.00	0.00	0.00	0.00	35.11	3.38	91%	
121-2127516	1/3/2020	5.78	2.02	0.00	1.73	1.45	0.00	0.00	0.00	0.00	5.20	0.58	90%	IWS Interstate
239198	1/8/2020	2.90	1.16	0.00	0.87	0.73	0.00	0.00	0.00	0.00	2.76	0.15	95%	Cooper Tank
411340	1/10/2020	8.78	3.51	0.00	2.63	1.76	0.00	0.00	0.00	0.00	7.90	0.88	90%	Lincoln Recycling
241118	1/15/2020	7.42	2.23	0.00	2.23	2.23	0.00	0.00	0.00	0.00	6.68	0.74	90%	Cooper Tank
121-2142816	1/22/2020	7.08	1.77	0.00	2.48	2.12	0.00	0.00	0.00	0.00	6.37	0.71	90%	IWS Interstate
121-2146390	1/27/2020	6.53	1.63	0.00	2.29	2.29	0.00	0.00	0.00	0.00	6.20	0.33	95%	IWS Interstate
February Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
March Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
June Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
July Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	12.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.32
METAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WOOD	12.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.23
PAPER/CARDBOARD	10.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.56
SHEETROCK/GYPSUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLASTIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	35.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.11
RESIDUAL/TRASH	3.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.38
SUBTOTAL	38.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.49
% OF RECYCLED MATERIAL	91%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	91%

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		CONSTRUCTION MANAGER	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ DUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2020														
January Total		38.49	12.32	0.00	12.23	10.56	0.00	0.00	0.00	0.00	35.11	3.38	91%	
February Total		61.47	40.84	0.00	9.24	8.43	0.00	0.00	0.00	0.00	58.51	2.96	95%	
121-2152788	2/3/2020	4.26	0.00	0.00	1.92	1.92	0.00	0.00	0.00	0.00	3.83	0.43	90%	IWS Interstate
BBG0834349	2/7/2020	4.66	1.17	0.00	1.63	1.40	0.00	0.00	0.00	0.00	4.19	0.47	90%	Gaeta Interior
121-2168451	2/12/2020	5.33	1.60	0.00	1.60	1.60	0.00	0.00	0.00	0.00	4.80	0.53	90%	IWS Interstate
BBG0809351	2/19/2020	4.91	0.98	0.00	1.72	1.47	0.00	0.00	0.00	0.00	4.17	0.74	85%	Gaeta Interior
677434	2/20/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Faztec Industries
677616	2/22/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Faztec Industries
BBZ0841373	2/26/2020	3.27	0.49	0.00	1.31	0.98	0.00	0.00	0.00	0.00	2.78	0.49	85%	Gaeta Interior
BB20841335	2/28/2020	3.04	0.61	0.00	1.06	1.06	0.00	0.00	0.00	0.00	2.74	0.30	90%	Gaeta Interior
March Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
June Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
July Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2019 YTD TOTAL
CONCRETE	12.32	40.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.17
METAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WOOD	12.23	9.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.47
PAPER/CARDBOARD	10.56	8.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.99
SHEETROCK/GYPSUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLASTIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	35.11	58.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.63
RESIDUAL/TRASH	3.38	2.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.33
SUBTOTAL	38.49	61.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.96
% OF RECYCLED MATERIAL	91%	95%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	94%

LEED Report
Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		CONSTRUCTION MANAGER	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2020														
January Total		38.49	12.32	0.00	12.23	10.56	0.00	0.00	0.00	0.00	35.11	3.38	91%	
February Total		61.47	40.84	0.00	9.24	8.43	0.00	0.00	0.00	0.00	58.51	2.96	95%	
March Total		85.06	37.95	2.23	14.03	24.35	0.34	0.00	0.00	0.00	78.91	6.15	93%	
678468	3/2/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Faztec Industries
255464	3/3/2020	5.44	1.09	0.82	1.63	1.09	0.00	0.00	0.00	0.00	4.62	0.82	85%	Cooper Tank
417866	3/7/2020	8.29	0.00	0.00	3.32	4.15	0.00	0.00	0.00	0.00	7.46	0.83	90%	Lincoln Recycling
258741	3/12/2020	5.76	0.86	0.00	2.02	2.59	0.00	0.00	0.00	0.00	5.47	0.29	95%	Cooper Tank
53524671	3/12/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Tilcon
1816	3/16/2020	3.42	0.00	0.34	0.68	1.54	0.34	0.00	0.00	0.00	2.91	0.51	85%	Solterra Recycling Solutions
121-2224334	3/19/2020	5.20	0.00	0.00	2.08	2.34	0.00	0.00	0.00	0.00	4.42	0.78	85%	IWS Interstate
705	3/25/2020	10.20	0.00	0.00	0.00	8.67	0.00	0.00	0.00	0.00	8.67	1.53	85%	Gaeta Interior
121-2238911	3/31/2020	4.29	0.00	0.43	1.72	1.72	0.00	0.00	0.00	0.00	3.86	0.43	90%	IWS Interstate
121-2238531	3/31/2020	6.46	0.00	0.65	2.58	2.26	0.00	0.00	0.00	0.00	5.49	0.97	85%	IWS Interstate
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
June Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
July Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2020 YTD TOTAL
CONCRETE	12.32	40.84	37.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.12
METAL	0.00	0.00	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23
WOOD	12.23	9.24	14.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.49
PAPER/CARDBOARD	10.56	8.43	24.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.34
SHEETROCK/GYPSUM	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34
PLASTIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	35.11	58.51	78.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.53
RESIDUAL/TRASH	3.38	2.96	6.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.49
SUBTOTAL	38.49	61.47	85.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.02
% OF RECYCLED MATERIAL	91%	95%	93%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	93%

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2020														
January Total		38.49	12.32	0.00	12.23	10.56	0.00	0.00	0.00	0.00	35.11	3.38	91%	
February Total		61.47	40.84	0.00	9.24	8.43	0.00	0.00	0.00	0.00	58.51	2.96	95%	
March Total		85.06	37.95	2.23	14.03	24.35	0.34	0.00	0.00	0.00	78.91	6.15	93%	
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		17.57	2.70	0.00	6.67	6.15	0.00	0.00	0.00	0.00	15.51	2.06	88%	
BED0815073	5/13/2020	6.04	0.60	0.00	2.42	2.11	0.00	0.00	0.00	0.00	5.13	0.91	85%	Gaeta Interior
121-2302122	5/21/2020	4.27	0.64	0.00	1.71	1.49	0.00	0.00	0.00	0.00	3.84	0.43	90%	IWS Interstate
BET0946432	5/29/2020	7.26	1.45	0.00	2.54	2.54	0.00	0.00	0.00	0.00	6.53	0.73	90%	Gaeta Interior
June Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
July Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2020 YTD TOTAL	2019 YTD TOTAL	2018 YTD TOTAL	PROJECT TOTAL
CONCRETE	12.32	40.84	37.95	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.82	114.18	40.45	248.45
METAL	0.00	0.00	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	30.10	1.26	33.59
WOOD	12.23	9.24	14.03	0.00	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.16	135.92	17.49	195.57
PAPER/CARDBOARD	10.56	8.43	24.35	0.00	6.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.49	113.62	1.37	164.48
SHEETROCK/GYPSUM	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.15	0.00	0.49
PLASTIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.65	1.77	22.42
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	35.11	58.51	78.91	0.00	15.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.04	414.62	62.33	664.99
RESIDUAL/TRASH	3.38	2.96	6.15	0.00	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.55	46.93	3.28	64.76
SUBTOTAL	38.49	61.47	85.06	0.00	17.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.59	461.55	65.61	729.75
% OF RECYCLED MATERIAL	91%	95%	93%	#DIV/0!	88%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	93%	90%	95%	91%

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2020														
January Total		38.49	12.32	0.00	12.23	10.56	0.00	0.00	0.00	0.00	35.11	3.38	91%	
February Total		61.47	40.84	0.00	9.24	8.43	0.00	0.00	0.00	0.00	58.51	2.96	95%	
March Total		85.06	37.95	2.23	14.03	24.35	0.34	0.00	0.00	0.00	78.91	6.15	93%	
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		17.57	2.70	0.00	6.67	6.15	0.00	0.00	0.00	0.00	15.51	2.06	88%	
June Total		18.22	3.25	0.00	5.16	7.58	0.00	0.00	0.00	0.00	15.99	2.23	88%	
BF50903494	6/5/2020	4.92	0.98	0.00	1.72	1.72	0.00	0.00	0.00	0.00	4.43	0.49	90%	Gaeta Interior
121-2335368	6/15/2020	5.21	0.78	0.00	1.82	2.08	0.00	0.00	0.00	0.00	4.69	0.52	90%	IWS Interstate
BFM0827203	6/22/2020	2.16	0.00	0.00	0.43	1.40	0.00	0.00	0.00	0.00	1.84	0.32	85%	Gaeta Interior
BFT1226484	6/29/2020	5.93	1.48	0.00	1.19	2.37	0.00	0.00	0.00	0.00	5.04	0.89	85%	Gaeta Interior
July Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2020 YTD TOTAL	2019 YTD TOTAL	2018 YTD TOTAL	PROJECT TOTAL
CONCRETE	12.32	40.84	37.95	0.00	2.70	3.25	0.00	0.00	0.00	0.00	0.00	0.00	97.06	114.18	40.45	251.69
METAL	0.00	0.00	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	30.10	1.26	33.59
WOOD	12.23	9.24	14.03	0.00	6.67	5.16	0.00	0.00	0.00	0.00	0.00	0.00	47.32	135.92	17.49	200.73
PAPER/CARDBOARD	10.56	8.43	24.35	0.00	6.15	7.58	0.00	0.00	0.00	0.00	0.00	0.00	57.08	113.62	1.37	172.07
SHEETROCK/GYPSUM	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.15	0.00	0.49
PLASTIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.65	1.77	22.42
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	35.11	58.51	78.91	0.00	15.51	15.99	0.00	0.00	0.00	0.00	0.00	0.00	204.04	414.62	62.33	680.99
RESIDUAL/TRASH	3.38	2.96	6.15	0.00	2.06	2.23	0.00	0.00	0.00	0.00	0.00	0.00	16.77	46.93	3.28	66.98
SUBTOTAL	38.49	61.47	85.06	0.00	17.57	18.22	0.00	0.00	0.00	0.00	0.00	0.00	220.81	461.55	65.61	747.97
% OF RECYCLED MATERIAL	91%	95%	93%	#DIV/0!	88%	88%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	92%	90%	95%	91%

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2020														
January Total		38.49	12.32	0.00	12.23	10.56	0.00	0.00	0.00	0.00	35.11	3.38	91%	
February Total		61.47	40.84	0.00	9.24	8.43	0.00	0.00	0.00	0.00	58.51	2.96	95%	
March Total		85.06	37.95	2.23	14.03	24.35	0.34	0.00	0.00	0.00	78.91	6.15	93%	
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		17.57	2.70	0.00	6.67	6.15	0.00	0.00	0.00	0.00	15.51	2.06	88%	
June Total		18.22	3.25	0.00	5.16	7.58	0.00	0.00	0.00	0.00	15.99	2.23	88%	
July Total		151.14	128.65	0.00	6.32	12.66	0.00	0.00	0.00	0.00	147.64	3.50	98%	
BG60654381	7/6/2020	5.09	1.27	0.00	1.02	2.04	0.00	0.00	0.00	0.00	4.33	0.76	85%	Gaeta Interior
BGD1108044	7/13/2020	5.85	0.00	0.00	2.05	2.93	0.00	0.00	0.00	0.00	4.97	0.88	85%	Gaeta Interior
BGL0748323	7/21/2020	4.61	0.00	0.00	0.92	3.00	0.00	0.00	0.00	0.00	3.92	0.69	85%	Gaeta Interior
7031111	7/22/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Faztec Industries
53530525	7/23/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Tilcon
BG0813012	7/24/2020	5.40	0.54	0.00	1.08	3.24	0.00	0.00	0.00	0.00	4.86	0.54	90%	Gaeta Interior
53530644	7/24/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Tilcon
53530770	7/25/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Tilcon
53530738	7/27/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Tilcon
BGS1403500	7/28/2020	4.19	0.84	0.00	1.26	1.47	0.00	0.00	0.00	0.00	3.56	0.63	85%	Gaeta Interior
53531026	7/28/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Tilcon
704207	7/30/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Faztec Industries
August Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2020 YTD TOTAL	2019 YTD TOTAL	2018 YTD TOTAL	PROJECT TOTAL
CONCRETE	12.32	40.84	37.95	0.00	2.70	3.25	128.65	0.00	0.00	0.00	0.00	0.00	225.72	114.18	40.45	380.35
METAL	0.00	0.00	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	30.10	1.26	33.59
WOOD	12.23	9.24	14.03	0.00	6.67	5.16	6.32	0.00	0.00	0.00	0.00	0.00	53.65	135.92	17.49	207.06
PAPER/CARDBOARD	10.56	8.43	24.35	0.00	6.15	7.58	12.66	0.00	0.00	0.00	0.00	0.00	69.74	113.62	1.37	184.73
SHEETROCK/GYPSUM	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.15	0.00	0.49
PLASTIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.65	1.77	22.42
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	35.11	58.51	78.91	0.00	15.51	15.99	147.64	0.00	0.00	0.00	0.00	0.00	351.68	414.62	62.33	828.63
RESIDUAL/TRASH	3.38	2.96	6.15	0.00	2.06	2.23	3.50	0.00	0.00	0.00	0.00	0.00	20.27	46.93	3.28	70.48
SUBTOTAL	38.49	61.47	85.06	0.00	17.57	18.22	151.14	0.00	0.00	0.00	0.00	0.00	371.95	461.55	65.61	899.11
% OF RECYCLED MATERIAL	91%	95%	93%	#DIV/0!	88%	88%	98%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	95%	90%	95%	92%

LEED Report

Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		**CONSTRUCTION MANAGER**	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2020														
January Total		38.49	12.32	0.00	12.23	10.56	0.00	0.00	0.00	0.00	35.11	3.38	91%	
February Total		61.47	40.84	0.00	9.24	8.43	0.00	0.00	0.00	0.00	58.51	2.96	95%	
March Total		85.06	37.95	2.23	14.03	24.35	0.34	0.00	0.00	0.00	78.91	6.15	93%	
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		17.57	2.70	0.00	6.67	6.15	0.00	0.00	0.00	0.00	15.51	2.06	88%	
June Total		18.22	3.25	0.00	5.16	7.58	0.00	0.00	0.00	0.00	15.99	2.23	88%	
July Total		151.14	128.65	0.00	6.32	12.66	0.00	0.00	0.00	0.00	147.64	3.50	98%	
August Total		125.95	104.20	0.00	5.17	11.71	0.00	0.00	0.00	0.00	121.08	4.87	96%	
704579	8/1/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Faztec Industries
53531121	8/2/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Tilcon
433441	8/2/2020	6.35	1.59	0.00	2.22	1.91	0.00	0.00	0.00	0.00	5.72	0.64	90%	Lincoln Recycling
53531120	8/3/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Tilcon
BH40804027	8/4/2020	2.83	0.57	0.00	1.27	0.57	0.00	0.00	0.00	0.00	2.41	0.42	85%	Gaeta Interior
BHA0553480	8/10/2020	6.90	1.38	0.00	0.00	4.14	0.00	0.00	0.00	0.00	5.52	1.38	80%	Gaeta Interior
53531609	8/12/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Tilcon
706192	8/13/2020	18.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	100%	Faztec Industries
435580	8/14/2020	10.20	9.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.18	1.02	90%	Lincoln Recycling
BHI1356269	8/18/2020	6.67	1.33	0.00	1.00	3.34	0.00	0.00	0.00	0.00	5.67	1.00	85%	Gaeta Interior
292985	8/21/2020	2.24	0.00	0.00	0.45	1.46	0.00	0.00	0.00	0.00	1.90	0.34	85%	Cooper Tank
121-2437052	8/25/2020	0.76	0.15	0.00	0.23	0.30	0.00	0.00	0.00	0.00	0.68	0.08	90%	IWS Interstate
September Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2020 YTD TOTAL	2019 YTD TOTAL	2018 YTD TOTAL	PROJECT TOTAL
CONCRETE	12.32	40.84	37.95	0.00	2.70	3.25	128.65	104.20	0.00	0.00	0.00	0.00	329.91	114.18	40.45	484.54
METAL	0.00	0.00	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	30.10	1.26	33.59
WOOD	12.23	9.24	14.03	0.00	6.67	5.16	6.32	5.17	0.00	0.00	0.00	0.00	58.82	135.92	17.49	212.23
PAPER/CARDBOARD	10.56	8.43	24.35	0.00	6.15	7.58	12.66	11.71	0.00	0.00	0.00	0.00	81.45	113.62	1.37	196.44
SHEETROCK/GYPSUM	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.15	0.00	0.49
PLASTIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.65	1.77	22.42
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	35.11	58.51	78.91	0.00	15.51	15.99	147.64	121.08	0.00	0.00	0.00	0.00	472.75	414.62	62.33	949.70
RESIDUAL/TRASH	3.38	2.96	6.15	0.00	2.06	2.23	3.50	4.87	0.00	0.00	0.00	0.00	25.15	46.93	3.28	75.36
SUBTOTAL	38.49	61.47	85.06	0.00	17.57	18.22	151.14	125.95	0.00	0.00	0.00	0.00	497.90	461.55	65.61	1025.06
% OF RECYCLED MATERIAL	91%	95%	93%	#DIV/0!	88%	88%	98%	96%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	95%	90%	95%	93%

LEED Report
Construction Waste Management Plan

PROJECT TITLE			
PROJECT ADDRESS		CONSTRUCTION MANAGER	

CONTAINER/ TICKET NUMBER	HAUL DATE	TOTAL TONNAGE	CONCRETE TONNAGE (diverted)	METAL TONNAGE (diverted)	WOOD TONNAGE (diverted)	PAPER AND CARDBOARD PRODUCTS TONNAGE (diverted)	SHEETROCK / GYPSUM TONNAGE (diverted)	PLASTIC TONNAGE (diverted)	FINES TONNAGE (diverted)	MIXED DRY WASTES/ OUTTHROWS TONNAGE (diverted)	TOTAL DIVERTED TONNAGE	RESIDUAL OR TRASH TONNAGE	% RECYCLED/ DIVERTED MATERIAL	MATERIAL RECOVERY FACILITY NAME & LOCATION
2020														
January Total		38.49	12.32	0.00	12.23	10.56	0.00	0.00	0.00	0.00	35.11	3.38	91%	
February Total		61.47	40.84	0.00	9.24	8.43	0.00	0.00	0.00	0.00	58.51	2.96	95%	
March Total		85.06	37.95	2.23	14.03	24.35	0.34	0.00	0.00	0.00	78.91	6.15	93%	
April Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
May Total		17.57	2.70	0.00	6.67	6.15	0.00	0.00	0.00	0.00	15.51	2.06	88%	
June Total		18.22	3.25	0.00	5.16	7.58	0.00	0.00	0.00	0.00	15.99	2.23	88%	
July Total		151.14	128.65	0.00	6.32	12.66	0.00	0.00	0.00	0.00	147.64	3.50	98%	
August Total		125.95	104.20	0.00	5.17	11.71	0.00	0.00	0.00	0.00	121.08	4.87	96%	
September Total		1.79	0.00	0.00	0.55	1.06	0.00	0.00	0.00	0.00	1.61	0.18	90%	
121-2448079	9/2/2020	0.98	0.00	0.00	0.39	0.49	0.00	0.00	0.00	0.00	0.88	0.10	90%	IWS Interstate
121-2490566	9/30/2020	0.81	0.00	0.00	0.16	0.57	0.00	0.00	0.00	0.00	0.73	0.08	90%	IWS Interstate
October Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
November Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	
December Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	

PROJECT SUMMARY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2020 YTD TOTAL	2019 YTD TOTAL	2018 YTD TOTAL	PROJECT TOTAL
CONCRETE	12.32	40.84	37.95	0.00	2.70	3.25	128.65	104.20	0.00	0.00	0.00	0.00	329.91	114.18	40.45	484.54
METAL	0.00	0.00	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	30.10	1.26	33.59
WOOD	12.23	9.24	14.03	0.00	6.67	5.16	6.32	5.17	0.55	0.00	0.00	0.00	59.37	135.92	17.49	212.78
PAPER/CARDBOARD	10.56	8.43	24.35	0.00	6.15	7.58	12.66	11.71	1.06	0.00	0.00	0.00	82.50	113.62	1.37	197.49
SHEETROCK/GYPSUM	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.15	0.00	0.49
PLASTIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.65	1.77	22.42
FINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIXED DRY WASTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL DIVERTED	35.11	58.51	78.91	0.00	15.51	15.99	147.64	121.08	1.61	0.00	0.00	0.00	474.37	414.62	62.33	951.32
RESIDUAL/TRASH	3.38	2.96	6.15	0.00	2.06	2.23	3.50	4.87	0.18	0.00	0.00	0.00	25.33	46.93	3.28	75.54
SUBTOTAL	38.49	61.47	85.06	0.00	17.57	18.22	151.14	125.95	1.79	0.00	0.00	0.00	499.69	461.55	65.61	1026.85
% OF RECYCLED MATERIAL	91%	95%	93%	#DIV/0!	88%	88%	98%	96%	90%	#DIV/0!	#DIV/0!	#DIV/0!	95%	90%	95%	93%

M2.1R & M2.2
Recycled Content

Insert a letter stating material cost for divisions 2-10

HS/IS School

Div. 2 thru 10 Material Costs

Division	*Cost*
2 Site	*$,000.00*
3 Concrete	*$,000.00*
4 Masonry	*$,000.00*
5 Metals	*$,000.00*
6 Wood	*$,000.00*
7 Thermal & Moisture	*$,000.00*
8 Windows & Doors	*$,000.00*
9 Finishes	*$,000.00*
10 Specialties	*$,000.00*
Total	***$, 0,000.00***

Note: Provide actual costs for Divisions 2-10.

RECYCLED CONTENT - SUMMARY FORM
Credit M2.1R

School Construction Authority
NYC Green Schools Rating System - 2016

Project: **PS**
Address:
LLW #: Design #:
Date: **3/29/2021**

Architect:
Preparer:
Telephone:

Contractors Total Construction Cost for CSI Divisions 2-10:	$
Assumed Materials Cost based on 40% of cost above:	$
Recycled Materials Content Target (10% of the cost of Materials):	**$**

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Percentage **Post** Consumer* by weight	Percentage **Pre-**Consumer** by weight	Cost of Complying Material	Recycled Content Information Source
DIVISION 2 - SITE WORK						
OUTDOOR BASKETBALL E	Lathania Sport	$	75	0	$	Manufacturer
CONCRETE CATCH BASINS	Old Castle Precast	$	0	0	$	Manufacturer
Asphalt Type 6 top	Pioneer Asphalt	$	30	0	$	Manufacturer
Asphalt Type 3 binder	Pioneer Asphalt	$	30	0	$	Manufacturer
Chain Link Fences	Atlas Fence	$	25	0	$	Manufacturer
PLAYGROUND EQUIPMENT	Play Power LT	$	0	23	$	Manufacturer
GAS VAPOR BARRIER	Cetco	$	0	0	$	Manufacturer
DIVISION 3 - CONCRETE						
CONCRETE REINFORCEME	VILLA CONSTRUCTION	$	77	16	$	Manufacturer
4000 PSI SLAG PUMP - CEI	VILLA CONSTRUCTION	$	0	0	$	Manufacturer
4000 PSI SLAG PUMP - SLA	VILLA CONSTRUCTION	$	0	100	$	Manufacturer
4000 PSI SLAG PUMP - SAN	VILLA CONSTRUCTION	$	0	0	$	Manufacturer
4000 PSI SLAG PUMP - COA	VILLA CONSTRUCTION	$	0	0		Manufacturer
4001 PSI SLAG PUMP - MA-	VILLA CONSTRUCTION	$	0	0	$	Manufacturer
4002 PSI SLAG PUMP - GLE	VILLA CONSTRUCTION	$	0	0	$	Manufacturer
4000 PSI PUMP - CEMENT	VILLA CONSTRUCTION	$	0	0	$	Manufacturer
4000 PSI PUMP - SLAG	VILLA CONSTRUCTION	$	0	100	$	Manufacturer
4000 PSI PUMP - SAND	VILLA CONSTRUCTION	$	0	0	$	Manufacturer
4000 PSI PUMP - COARSE A	VILLA CONSTRUCTION	$	0	0	$	Manufacturer
4001 PSI PUMP - VISCOCR	VILLA CONSTRUCTION	$	0	0	$	Manufacturer
DIVISION 4 - MASONRY						
Unit Masonry	Belden Dutch Gray	$	0	0	$	Manufacturer
Unit Masonry	Belden #8601	$	0	0	$	Manufacturer
Unit Masonry	Glenwood	$	0	11	$	Manufacturer
Cement	LEHIGH	$	0	7	$	Manufacturer
Steel	Barker Steel	$	82	17	$	Manufacturer
Aggregate	Barker Matcritz	$	0	0	$	Manufacturer
Chemical	BASF / Master Builders	$	0	0	$	Manufacturer
DIVISION 5 - METALS						
Structural Steel	Steel Dynamics, Columbi	$	75	22	$	Manufacturer
Structural Steel	Nucor Steel SC, Darlingto	$	62	24	$	Manufacturer
Structural Steel	Nucor, Auburn, NY	$	81	15	$	Manufacturer
Structural Steel	Atlas Tube, Chicago, IL	$	57	31	$	Manufacturer
Structural Steel	Nucor Yamator Steel, Bly	$	81	10	$	Manufacturer
Metal Deck	Canam	$	24	9	$	Manufacturer
Steel Stairs Material	Nucor, Birmingham, AL	$	88	7	$	Manufacturer
DIVISION 6 - WOOD						
Metal Framing	Marinoware	$	20	14	$	Manufacturer
AFB Insulation	Rockwool	$	0	40	$	Manufacturer
XP Gypsum Boards	National Gypsum	$	5	0	$	Manufacturer
PermaBase Cement Boards	National Gypsum	$	0	35	$	Manufacturer
XP Liner Gypsum Boards	National Gypsum	$	5	14	$	Manufacturer
Hi Abuse Gypsum Boards	National Gypsum	$	5	0	$	Manufacturer
Proform Joint Tape	National Gypsum	$	0	0	$	Manufacturer

Proform Joint Compound	National Gypsum	$	0	0	$	Manufacturer
Lyra Ceiling Tiles - 2x2 HNRC	Armstrong	$	12	59	$	Manufacturer
Mars Ceiling Tiles - 2x2, 2x4	USG	$	0	75	$	Manufacturer
Panz Metal Ceiling	USG	$	68	22	$	Manufacturer
Donn Ceiling Grid	USG	$	16	20	$	Manufacturer
DIVISION 7 - THERMAL AND MOISTURE PROTECTION						
Monokote MK6HY	Grace Construction Prod	$	0	0	$	Manufacturer
Monokote Z- 106HY	Grace Construction Prod	$	0	24	$	Manufacturer
Boards DOW Styrofoam Cav	DOW Chemical Compan	$	0	24	$	Manufacturer
Fluid-Applied Air Barrier	Henry Blueskin	$	0	0	$	Manufacturer
Fluid-Applied Protected Mem	Eagle One / American Hy	$	0	0	$	Manufacturer
DIVISION 8 - DOORS AND WINDOWS						
Steel Doors and Frames	Metalline	$	25	0	$	Manufacturer
Coiling Doors	USP	$	25	0	$	Manufacturer
Aluminum for Windows	Graham	$	40	0	$	Manufacturer
Glass for Windows	Graham	$	0	25	$	Manufacturer
DIVISION 9 - FINISHES						
Semi Gloss 0190 Arctic Whit	Daltile	$	32	0	$	Manufacturer
Semi Gloss DM14 Cobalt	Daltile	$	47	0	$	Manufacturer
Semi Gloss Q098 Key Lime	Daltile	$	32	0	$	Manufacturer
Semi Gloss Q012 Mustard	Daltile	$	32	0	$	Manufacturer
Semi Gloss K176 Ice Grey	Daltile	$	32	0	$	Manufacturer
Semi Gloss 0DM1 Vermillion	Daltile	$	47	0	$	Manufacturer
Natural Hues QH97 Daisy	Daltile	$	53	0	$	Manufacturer
Natural Hues QH67 Regency	Daltile	$	53	0	$	Manufacturer
Modular 5/8"x2-1/4"x7-5/8" E	Belden	$	0	0	$	Manufacturer
Quarry Textures 0T03 Ashen	Daltile	$	0	0	$	Manufacturer
Keystones D208 Suede Gray	Daltile	$	9	0	$	Manufacturer
TZ-15 Gray Matter	Terazzo Tile	$	47	0	$	Manufacturer
TZ 308 Twilight	Terazzo Tile	$	47	0	$	Manufacturer
ProMar 200 0 VOC Primer	Sherwin Williams	$	100	0	$	Manufacturer
ProMar 200 0 VOC Flat	Sherwin Williams	$	100	0	$	Manufacturer
ProMar 200 0 VOC Semi-Glo	Sherwin Williams	$	100	0	$	Manufacturer
Pro Industrial Acrylic Semi-G	Sherwin Williams	$	100	0	$	Manufacturer
Pro Industrial Procryl Primer	Sherwin Williams	$	100	0	$	Manufacturer
Preprite Block Filler	Sherwin Williams	$	100	0	$	Manufacturer
Macropoxy 646	Sherwin Williams	$	100	0	$	Manufacturer
H&C Clarishield Waterbased	Sherwin Williams	$	100	0	$	Manufacturer
DTM Acyrlic Semi-Gloss	Sherwin Williams	$	100	0	$	Manufacturer
Acrolon 218 HS Semi-Gloss	Sherwin Williams	$	100	0	$	Manufacturer
Waterborne Acrylic Dryfall Fl	Sherwin Williams	$	100	0	$	Manufacturer
Acoustical Ceilings	Marvin/ Armstrong	$	50	50	$	Manufacturer
Resilient Flooring	Pyramid	$	0	18	$	Manufacturer
DIVISION 10 - SPECIALTIES						
Metal Shelving	Republic	$	83	0	$	Manufacturer
Total Accessories	ASI	$	35	30	$	Manufacturer
Toilet Compartments	Scranton / Comtec	$	30	0	$	Manufacturer
Shower Compartments	Scranton / Comtec	$	30	0	$	Manufacturer
Metal Lockers	ASI	$	25	0	$	Manufacturer
3M VHB Tape	S&F Supplies	$	0	0	$	Manufacturer
Acrylic	S&F Supplies	$	0	0	$	Manufacturer
Silicone	S&F Supplies	$	0	0	$	Manufacturer
Paint	Mat hew's Paint	$	0	0	$	Manufacturer
Aluminum	Hadco Aluminum and Me	$	15	45	$	Manufacturer
Zinc	New England Graphics	$	0	0	$	Manufacturer
PureBond Hardwood Plywood	Columbia Forest Produc	$	10	0	$	Manufacturer
PureBond Metal Wall Louver	American Warming & Ve	$	25	0	$	Manufacturer
Window Guards	Star Wire Mesh	$	25	0	$	Manufacturer
				Total Cost of Complying Material	**$**	

Confirm that Total Cost of Complying Materials is greater than or equal to Project's Recycled Materials Content Target: Yes

M2.3 & M2.4
Regional Materials

HS/IS School

Div. 2 thru 10 Material Costs

Division	*Cost*
2 Site	*$,000.00*
3 Concrete	*$,000.00*
4 Masonry	*$,000.00*
5 Metals	*$,000.00*
6 Wood	*$,000.00*
7 Thermal & Moisture	*$,000.00*
8 Windows & Doors	*$,000.00*
9 Finishes	*$,000.00*
10 Specialties	*$,000.00*
Total	***$, 0,000.00***

Note: Provide actual costs for Divisions 2-10.

Note: Indicate actual mileage for materials. If actual mileage is not available, indicate the "As the Crow Flies" distance in this summary form.

REGIONAL MATERIALS - SUMMARY FORM

Credit M2.3

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: _____ Architect: _____
Address: _____ Preparer: _____
#: _____ Design #: _____ Telephone: _____
Date: _____

Contractors Total Construction Cost for CSI Divisions 2-10: $ _____
Assumed Materials Cost based on 40% of cost above: $ _____
Regional Materials Content Target (10% of the cost of Materials): $ _____

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Percentage Regionally Extracted*** by weight	Cost of Complying Material	Distance in miles between project site and site of**		Regional Materials Information Source
					extraction	manufacture	
DIVISION 2 - SITE WORK							
OUTDOOR BASKETBALL	Lathania Sport		0%		NA	NA	Manufacturer
CONCRETE CATCH BAS	Old Castle Precast		100%		164 miles	164 miles	Manufacturer
Asphalt Type 6 top	Pioneer Asphalt		30%		60 miles	3.5 miles	Manufacturer
Asphalt Type 3 binder	Pioneer Asphalt		30%		60 miles	3.5 miles	Manufacturer
Chain Link Fences	Atlas Fence		100%		8 miles	8 miles	Manufacturer
PLAYGROUND EQUIPM	Play Power LT		0%		1112 miles	1112 miles	Manufacturer
GAS VAPOR BARRIER	Cetco		0%		NA	NA	Manufacturer
DIVISION 3 - CONCRETE							
CONCRETE REINFORCE	VILLA CONSTRUCTION /		99%		35 miles	35 miles	Manufacturer
4000 PSI SLAG PUMP -	VILLA CONSTRUCTION /		0%		240 miles	240 miles	Manufacturer
4000 PSI SLAG PUMP -	VILLA CONSTRUCTION /		100%		107 miles	107 miles	Manufacturer
4000 PSI SLAG PUMP -	VILLA CONSTRUCTION /		100%		56 miles	56 miles	Manufacturer
4000 PSI SLAG PUMP -	VILLA CONSTRUCTION /		50%		163 miles	163 miles	Manufacturer
4001 PSI SLAG PUMP -	VILLA CONSTRUCTION /		100%		42.6 miles	42.6 miles	Manufacturer
4002 PSI SLAG PUMP -	VILLA CONSTRUCTION /		50%		468 miles	468 miles	Manufacturer
4000 PSI PUMP - CEMEI	VILLA CONSTRUCTION /		0%		240 miles	240 miles	Manufacturer
4000 PSI PUMP - SLAG	VILLA CONSTRUCTION /		100%		107 miles	107 miles	Manufacturer
4000 PSI PUMP - SAND	VILLA CONSTRUCTION /		100%		56 miles	56 miles	Manufacturer
4000 PSI PUMP - COARS	VILLA CONSTRUCTION /		100%		168 miles	168 miles	Manufacturer
4001 PSI PUMP - VISCO	VILLA CONSTRUCTION /		50%		116 miles	116 miles	Manufacturer
DIVISION 4 - MASONRY							
Unit Masonry	Belden Dutch Gray		100%		410 miles	410 miles	Manufacturer
Unit Masonry	Belden #8601		100%		410 miles	410 miles	Manufacturer
Unit Masonry	Glenwood		100%		7 miles	7 miles	Manufacturer
Cement	LEHIGH		0%		NA	NA	Manufacturer
Steel	Barker Steel		100%		240 miles	240 miles	Manufacturer
Aggregate	Barker Matcritz		100%		49 miles	49 miles	Manufacturer
Chemical	BASF / Master Builders		0%		NA	NA	Manufacturer
DIVISION 5 - METALS							
Structural Steel	Steel Dynamics, Columbia		0%		NA	NA	Manufacturer
Structural Steel	Nucor Steel SC, Darlington		0%		NA	NA	Manufacturer
Structural Steel	Nucor, Auburn, NY		50%		208 miles	208 miles	Manufacturer
Structural Steel	Atlas Tube, Chicago, IL		0%		NA	NA	Manufacturer
Structural Steel	Nucor Yamator Steel, Blyth		0%		NA	NA	Manufacturer
Metal Deck	Canam		100%		68 miles	68 miles	Manufacturer
Steel Stairs Material	Nucor, Birmingham, AL		0%		NA	NA	Manufacturer
DIVISION 6 - WOOD							
Metal Framing	Marinoware		100%		64.8 miles	31.5 miles	Manufacturer
AFB Insulation	Rockwool		85%		< 500	366.44 miles	Manufacturer
XP Gypsum Boards	National Gypsum		0%		NA	67 miles	Manufacturer
PermaBase Cement Boar	National Gypsum		35%		301 miles	321 miles	Manufacturer
XP Liner Gypsum Boards	National Gypsum		14%		172 miles	175 miles	Manufacturer
Hi Abuse Gypsum Boards	National Gypsum		0%		NA	67 miles	Manufacturer
Proform Joint Tape	National Gypsum		0%		NA	> 500	Manufacturer
Proform Joint Compound	National Gypsum		0%		NA	152 miles	

Lyra Ceiling Tiles - 2x2 Hi	Armstrong		0%	NA	> 500	Manufacturer
Mars Ceiling Tiles - 2x2, 2	USG		0%	NA	> 500	Manufacturer
Panz Metal Ceiling	USG		0%	NA	354 miles	Manufacturer
Donn Ceiling Grid	USG		0%	NA	354 miles	Manufacturer
DIVISION 7 - THERMAL AND MOISTURE PROTECTIO						
Monokote MK6HY	Grace Construction Produc	$	92%	450 miles	450 miles	Manufacturer
Monokote Z- 106HY	Grace Construction Produc		90%	450 miles	450 miles	Manufacturer
Boards DOW Styrofoam (	DOW Chemical Company	$	100%	169 miles	169 miles	Manufacturer
Fluid-Applied Air Barrier	Henry Blueskin		0%	NA	NA	Manufacturer
Fluid-Applied Protected M	Eagle One / American Hyd	$	0%	NA	NA	Manufacturer
DIVISION 8 - DOORS AND WINDOWS						
Steel Doors and Frames	Metalline	$	100%	14 miles	14 miles	Manufacturer
Coiling Doors	USP	$	100%	5 miles	5 miles	Manufacturer
Aluminum for Windows	Graham	$	40%	157 miles	164 miles	Manufacturer
Glass for Windows	Graham	$	13%	408 miles	164 miles	Manufacturer
DIVISION 9 - FINISHES						
Semi Gloss 0190 Arctic	Daltile		0%	NA	2,200 miles	Manufacturer
Semi Gloss DM14	Daltile	$	0%	NA	2,200 miles	Manufacturer
Semi Gloss Q098 Key	Daltile		0%	NA	2,600 miles	Manufacturer
Semi Gloss Q012	Daltile		0%	NA	2,200 miles	Manufacturer
Semi Gloss K176 Ice	Daltile		0%	NA	2,600 miles	Manufacturer
Semi Gloss 0DM1	Daltile		0%	NA	2,200 miles	Manufacturer
Natural Hues QH97	Daltile		0%	NA	2,600 miles	Manufacturer
Natural Hues QH67	Daltile		0%	NA	2,600 miles	Manufacturer
Modular 5/8"x2-1/4"x7-5/8	Belden	$	100%	410 miles	410 miles	Manufacturer
Quarry Textures 0T03 Ashen Gray			0%	NA	1,100 miles	Manufacturer
Keystones D208 Suede Gray Speckle			0%	NA	250 miles	Manufacturer
TZ-15 Gray Matter	Terazzo Tile		0%	NA	650 miles	Manufacturer
TZ 308 Twilight	Terazzo Tile		0%	NA	650 miles	Manufacturer
ProMar 200 0 VOC Prime	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
ProMar 200 0 VOC Flat	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
ProMar 200 0 VOC Semi-	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
Pro Industrial Acrylic Sem	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
Pro Industrial Procryl Prin	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
Preprite Block Filler	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
Macropoxy 646	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
H&C Clarishield Waterbas	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
DTM Acyrlic Semi-Gloss	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
Acrolon 218 HS Semi-Glo	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
Waterborne Acrylic Dryfal	Sherwin Williams		100%	30 miles	165 miles	Manufacturer
Acoustical Ceilings	Marvin/ Armstrong	$	100%	173 miles	173 miles	Manufacturer
Resilient Flooring	Pyramid	$	0%	NA	> 500	Manufacturer
DIVISION 10 - SPECIALTIES						
Metal Shelving	Republic		0%	NA	NA	Manufacturer
Total Accessories	ASI		0%	NA	NA	Manufacturer
Toilet Compartments	Scranton / Comtec	$	100%	139 miles	139 miles	Manufacturer
Shower Compartments	Scranton / Comtec	$	100%	139 miles	139 miles	Manufacturer
Metal Lockers	ASI		0%	NA	NA	Manufacturer
3M VHB Tape	S&F Supplies		0%	8.6 miles	6.6 miles	Manufacturer
Acrylic	S&F Supplies		0%	8.6 miles	6.6 miles	Manufacturer
Silicone	S&F Supplies		0%	8.6 miles	6.6 miles	Manufacturer
Paint	Matthew's Paint		0%	560 miles	6.6 miles	Manufacturer
Aluminum	Hadco Aluminum and Meta		45%	28 miles	6.6 miles	Manufacturer
Zinc	New England Graphics		99%	75.1 miles	6.6 miles	Manufacturer
PureBond Hardwood Plyw	Columbia Forest Products		10%	472 miles	472 miles	Manufacturer
PureBond Metal Wall Lou	American Warming & Vent		0%	NA	NA	Manufacturer
Window Guards	Star Wire Mesh	$	100%	6 miles	15 miles	Manufacturer
	Total Cost of Complying Material	**$**				

Confirm that Total Cost of Complying Materials is greater than or equal to Project's Regional Materials Content Target: Yes

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA **School Construction Authority**

NYC Green Schools Rating System - 2016

Project: HS/IS School

Address: _____

LLW: _____ Date: 9/24/18

Contractor: _____

Contractor Contact: _____

Spec Section: _____ Telephone: _____

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	76.6	17.9	100%	50 miles	30 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by co

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Sc reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

*** **Regional Materials:** Regionally manufactured materials that have their origin within 500 miles of the project site. These would included pr are regionally mined, harvested, salvaged or re-used (including those salvaged from the site.)

LLW#

HS/IS STATEN ISLAND

Submittal Log No: ____ ____

☒ NO EXCEPTIONS TAKEN
☐ MAKE CORRECTION NOTED
☐ REJECTED: REVISE AND RESUBMIT
☐ REJECTED: NOT ACCEPTABLE FOR REVIEW

Notations and comments made on the submittal during this review do not relieve the Contractor from compliance with the requirements of the drawings and specifications. Review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action is subject to the requirements of the plans and specifications. The Contractor is responsible for dimensions which shall be confirmed on the job site, selection of fabrication processes and techniques of construction, coordinating the work with that of other trades and material suppliers, and the satisfactory performance of the work.

_____ Date 10/19/2018

Notes:

1 Recycled content for concrete - provide cost for cementitious materials and percentage of cementitious materials that are recycled-content.
2 Recycled content for steel products - where it is not possible to determine recycled content use default assumption of 25% post-consumer r
3 Regional content for concrete - provide combined cost for all concrete materials and distance information requested.
4 Regional content - for materials with varyone point of extraction all within the 500-mile radius list a single item with the greatest distance.
5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, _____ a duly authorized representative of _____ hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: 9/24/18

04/30/16

This form may be downloaded from SCA web site

MS

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: _____ Contractor: _____

Address: _____ Contractor Contact: _____

LLW: (_____ Date: _____ Spec Section: (_____ Telephone: _____ (_____

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	0%	61%	100%	90 miles	60 miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

*** **Regional Materials:** Regionally manufactured materials that have their origin within 500 miles of the project site. These would included products that are regionally mined, harvested, salvaged or re-used (including those salvaged from the site.)

Notes:

1 Recycled content for concrete - provide cost for cementitious materials and percentage of cementitious materials that are recycled-content.
2 Recycled content for steel products - where it is not possible to determine recycled content use default assumption of 25% post-consumer recycled content
3 Regional content for concrete - provide combined cost for all concrete materials and distance information requested.
4 Regional content - for materials with varyone point of extraction all within the 500-mile radius list a single item with the greatest distance.
5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, **Anthony Della Cerra** a duly authorized representative of _____ hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: 1-14-2020

04/30/16 This form may be downloaded from SCA web site

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA **School Construction Authority**

NYC Green Schools Rating System - 2016

Project: HS/IS

Address:

LLW: Date: 12/31/2019

Contractor: Construction Co.

Contractor Contact:

Spec Section: 4200 Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	0	0	100%	143 miles	67 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

*** **Regional Materials:** Regionally manufactured materials that have their origin within 500 miles of the project site. These would included products that are regionally mined, harvested, salvaged or re-used (including those salvaged from the site.)

Notes:

1 Recycled content for concrete - provide cost for cementitious materials and percentage of cementitious materials that are recycled-content.
2 Recycled content for steel products - where it is not possible to determine recycled content use default assumption of 25% post-consumer recycled content
3 Regional content for concrete - provide combined cost for all concrete materials and distance information requested.
4 Regional content - for materials with varyone point of extraction all within the 500-mile radius list a single item with the greatest distance.
5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, _____ a duly authorized representative of _____ hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: 12/31/2019

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA **School Construction Authority**
NYC Green Schools Rating System - 2016

Project: HSIIS
Address: S
LLW: _____ Date: 12/31/2019

Contractor: Construction Co.
Contractor Contact: _____
Spec Section: 4200 Telephone: _____

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage Post-Consumer* by weight	Percentage Pre-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	0%	0%	0%	1,265 miles	1,765 miles
		$	0%	0%	0%	2,700 miles	2,700 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

*** **Regional Materials:** Regionally manufactured materials that have their origin within 500 miles of the project site. These would included products that are regionally mined, harvested, salvaged or re-used (including those salvaged from the site.)

Notes:

1 Recycled content for concrete - provide cost for cementitious materials and percentage of cementitious materials that are recycled-content.
2 Recycled content for steel products - where it is not possible to determine recycled content use default assumption of 25% post-consumer recycled content
3 Regional content for concrete - provide combined cost for all concrete materials and distance information requested.
4 Regional content - for materials with varyone point of extraction all within the 500-mile radius list a single item with the greatest distance.
5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

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Signature of Authorized Representative: _____ Date: 12/31/2019

04/30/16

This form may be downloaded from SCA web site

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: HS/IS

Address:

LLW: Date: **3/11/2019**

Contractor: **LLC**

Contractor Contact:

Spec Section: 5550 Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	35%			1650 miles	1200 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

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Contractor Certification:

I, a duly authorized representative of LLC. hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: Date: 3/11/2019

04/30/16

This form may be downloaded from SCA web site

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: **HS/IS**

Address:

LLW: Date:

Contractor: **Construction**

Contractor Contact:

Spec Section: **07115** Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
	[illegible]	$		20%	N/A	774 miles	774 miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

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5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, **Anthony Della Cerra** a duly authorized representative of **Construction** hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: Date: 2-26-19

04/30/16

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CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: HS/IS

Address:

LLW: Date: 2/26/2019

Contractor:

Contractor Contact:

Spec Section: 07212 Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	0%	75%	N/A	600 miles	600 miles

Definitions:

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Signature of Authorized Representative: Date: 2-26-19

04/30/16

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CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: HS/IS

Address:

LLW: Date: 6/20/2019

Contractor: Construction

Contractor Contact:

Spec Section: 07560-1.04-H Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
	Company		25%	0%	Extraction site of materials used to manufacture this product are undetermined	N/A	370 miles

Definitions:

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Signature of Authorized Representative: Date:

04/30/16

This form may be downloaded from SCA web site

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SUBMITTAL ID #:
DESCRIPTION: Steel Doors & Frames LEED Info
DATE: 10/12/2018

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project:
Address: 1
LLW: Date: 10/12/18

Contractor: Inc.
Contractor Contact:
Spec Section: 08110 Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-**Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	25-1/2%	6.8%	100%	67 miles	45 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

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5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

LLW#
HS/IS STATEN ISLAND
Submittal Log No:
☒ NO EXCEPTIONS TAKEN
☐ MAKE CORRECTION NOTED
☐ REJECTED: REVISE AND RESUBMIT
☐ REJECTED: NOT ACCEPTABLE FOR REVIEW
Notations and comments made on the submittal during this review do not relieve the Contractor from compliance with the requirements of the drawings and specifications. Review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action is subject to the requirements of the plans and specifications. The Contractor is responsible for dimensions which shall be confirmed on the job site, selection of fabrication processes and techniques of construction, coordinating the work with that of other trades and material suppliers, and the satisfactory performance of the work.
Date 10/19/2018

Contractor Certification:

I, a duly authorized representative of Inc. hereby certify that the mate herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purch or written approval from the Construction Manager and Owner.

Signature of Authorized Representative: Date: 10/12/18

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: HS/IS R

Address:

LLW#: Date: **12/6/2018**

Contractor:

Contractor Contact:

Spec Section: **09260** Telephone

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	0.30%	98.90%	98.90%	420 miles	420 miles
		$	1.90%	89.30%	89.30%	420 miles	420 miles
		$	2.00%	93.40%	93.40%	420 miles	420 miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by c

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CONSTRUCTION CO.. INC.
JOB: HS/IS - LLW #: 0
SUBMITTAL ID #:
DESCRIPTION: Gypsum board LEED form
DATE: 12/06/2018
AREA OF USE: Locations indicated on contract drawings and project specifications

LLW#
HS/IS F STATEN ISLAND
Submittal Log No:

☒ NO EXCEPTIONS TAKEN
☐ MAKE CORRECTION NOTED
☐ REJECTED: REVISE AND RESUBMIT
☐ REJECTED: NOT ACCEPTABLE FOR REVIEW

Notations and comments made on the submittal during this review do not relieve the Contractor from compliance with the requirements of the drawings and specifications. Review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action is subject to the requirements of the plans and specifications. The Contractor is responsible for dimensions which shall be confirmed on the job site, selection of fabrication processes and techniques of construction, coordinating the work with that of other trades and material suppliers, and the satisfactory performance of the work.

LHP Architects, PLLC

Date 12/10/2018

Notes:

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Contractor Certification:

I, _____ a duly authorized representative of **CO. INC.** hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: Date: **12/6/2018**

04/30/16

This form may be downloaded from SCA web site

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: HS/IS

Address:

LLW: Date: **3/21/2019**

Contractor: **Construction Co. Inc.**

Contractor Contact:

Spec Section: **09260** Telephone: **(973)-427-0058**

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage Post-Consumer* by weight	Percentage Pre-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	4.00%	94.60%	93.80%	832 miles	832 miles
		$	0%	0%	86.62%	521 miles	521 miles
		$	0%	15.40%	86.42%	674 miles	674 miles

Definitions:

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Contractor Certification:

I, _____ a duly authorized representative of _____ Co. Inc. _____ hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: 3-21-19

04/30/16

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CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: HS/IS
Address: 1
LLW: Date: 11/01/2018

Contractor:
Contractor Contact:
Spec Section: 09310 Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-**Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	0%	47%	0	N/A	600 miles
		$	0%	8.10%	61.1	N/A	200 miles
		$	0%	4.00%	0	N/A	450 miles
		$	0%	32.10%	0	N/A	2,200 miles
		$	0%	32.10%	0	N/A	2,200 miles
	D	$	0%	32.10%	0	N/A	2,200 miles
		$	0%	32.10%	0	N/A	2,200 miles
		$	0%	32.10%	0	N/A	2,200 miles
	D	$	0%	32.10%	0	N/A	2,600 miles
		$	0%	24.00%	0	N/A	4,300 miles

Definitions:

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Signature of Authorized Representative: _____ Date: 11/01/2018

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: HS/IS
Address: NY
LLW Date: 11/01/2018

Contractor: Construction
Contractor Contact:
Spec Section: 09420 Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-**Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$	0%	47%	0	N/A	600 miles
		$5	0%	8.10%	61.1	N/A	200 miles
		$	0%	4.00%	0	N/A	450 miles
		$	0%	32.10%	0	N/A	2,200 miles
		$	0%	32.10%	0	N/A	2,200 miles
		$	0%	32.10%	0	N/A	2,200 miles
		$	0%	32.10%	0	N/A	2,200 miles
		$	0%	32.10%	0	N/A	2,200 miles
		$	0%	32.10%	0	N/A	2,600 miles
		$	0%	24.00%	0	N/A	4,300 miles

Definitions:

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Signature of Authorized Representative: _____ Date: 11/01/2018

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: **HS/IS**
Address:
LLW: Date: **2/26/2019**

Contractor:
Contractor Contact:
Spec Section: **09510** Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			2%	60%	N/A	miles	miles
			13%	38%	N/A	miles	miles
			19%	69%	N/A	miles	miles

Definitions:

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Signature of Authorized Representative: Date: 2-26-19

04/30/16

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CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: HS/IS

Address:

LLW#: ___ Date: **12/6/2018**

Contractor: **CO. INC.**

Contractor Contact:

Spec Section: **10100**

Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-Consumer*** by weight	Percentage **Pre-Consumer**** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			0.00%	45.81%	0.00%	1000 miles	1000 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purp and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

*** **Regional Materials:** Regionally manufactured materials that have their origin within 500 miles of the project site. These would include are regionally mined, harvested, salvaged or re-used (including those salvaged from the site.)

CO.. INC.
JOB: HS/IS - LLW #:
SUBMITTAL ID #:
DESCRIPTION: LEED form
DATE: 12/06/2018
AREA OF USE: Locations indicated on contract drawings and project specifications

LLW#
HS/IS I
Submittal Log No: ___
☒ NO EXCEPTIONS TAKEN
☐ MAKE CORRECTION NOTED
☐ REJECTED: REVISE AND RESUBMIT
☐ REJECTED: NOT ACCEPTABLE FOR REVIEW
Notations and comments made on the submittal during this review do not relieve the Contractor from compliance with the requirements of the drawings and specifications. Review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action is subject to the requirements of the plans and specifications. The Contractor is responsible for dimensions which shall be confirmed on the job site, selection of fabrication processes and techniques of construction, coordinating the work with that of other trades and material suppliers, and the satisfactory performance of the work.
PLLC
Date 12/10/2018

Notes:

1 Recycled content for concrete - provide cost for cementitious materials and percentage of cementitious materials that are recycled-content.
2 Recycled content for steel products - where it is not possible to determine recycled content use default assumption of 25% post-consumer recycled content
3 Regional content for concrete - provide combined cost for all concrete materials and distance information requested.
4 Regional content - for materials with varyone point of extraction all within the 500-mile radius list a single item with the greatest distance.
5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, _____, a duly authorized representative of **CONTRUCTION CO. INC.** hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: **12/6/2018**

04/30/16

This form may be downloaded from SCA web site

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: **PS**

Address: 1

Contractor Contact:

LLW: Date: 9.17.19

Spec Section: 10185

Telephone:

Product Name	Manufacturer	Material Cost (NO Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage POST-Consumer* by weight	Percentage PRE-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			16.5%	0%	0%	0	800
						miles	miles
						miles	miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

*** **Regional Materials:** Regionally manufactured materials that have their origin within 500 miles of the project site. These would included products that are regionally mined, harvested, salvaged or re-used (including those salvaged from the site.)

Notes:

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Contractor Certification:

I, A a duly authorized representative of hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: Date: 9.17.19

This form may be downloaded from SCA web site

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: _____ Contractor: _____

Address: 1 _____ Contractor Contact: _____

LLW: Date: 10/10/2018 Spec Section: 12 48 13 Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-** Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			85%	0%	Unknown	Unknown	145 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

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Contractor Certification:

I, _____ a duly authorized representative of _____ hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: _____

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: **HS/IS**

Contractor:

Address:

Contractor Contact:

LLW: Date: **3/6/2020**

Spec Section: **9650**

Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-** Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			0%	**18%**	**10%**	**> 500** miles	**824** miles
			0%	**20%**		**> 500** miles	**449** miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

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Contractor Certification:

I, a duly authorized representative of hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: Date: 3/6/202

This form may be downloaded from SCA web site

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA **School Construction Authority**
NYC Green Schools Rating System - 2016

Project: HS/IS
Address:
LLW: Date: **1/21/2019**

Contractor: CONSTRUCTION
Contractor Contact:
Spec Section: **08662** Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-**Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			25%	5%	55%	430 miles	340 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

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Notes:

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Contractor Certification:

I, _____ a duly authorized representative of _____ hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: 1-22-19

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3R and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: _____ Contractor: _____

Address: Staten Island, NY Contractor Contact: _____

LLW: _____ Date: _____ Spec Section: **05120** Telephone: _____

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-**Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			71.0%	24.0%	0.0%	>500 miles	>500 miles
			57.7%	29.4%	0.0%	>500 miles	>500 miles
			74.4%	22.3%	100.0%	205 miles	205 miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

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Notes:

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4 Regional content - for materials with varyone point of extraction all within the 500-mile radius list a single item with the greatest distance.
5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, _____ a duly authorized representative of _____ LLC hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: 3/8/2019

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3R and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: _____ Contractor: _____

Address: _____ Contractor Contact: _____

LLW: _____ Date: _____ Spec Section: **05300** Telephone: _____

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-** Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			24.3%	9.4%	100.0%	14 miles	14 miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

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Contractor Certification:

I, _____ a duly authorized representative of _____ LLC hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: 1/23/2019

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3R and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: HS/IS
Address:
LLW: Date:
Contractor: **LLC**
Contractor Contact:
Spec Section: **05710** Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-**Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
I			74.4%	22.3%	100.0%	205 miles	205 miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

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Contractor Certification:

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Signature of Authorized Representative: Date: 1/23/2019

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: _____ Contractor: _____
Address: _____ Contractor Contact: _____
LLW: _____ Date: 11/01/2018 Spec Section: 09310 Telephone: _____

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-** Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			0%	47%	0	N/A	600 miles
			0%	8.10%	61.1	N/A	200 miles
			0%	4.00%	0	N/A	450 miles
			0%	32.10%	0	N/A	2,200 miles
			0%	32.10%	0	N/A	2,200 miles
			0%	32.10%	0	N/A	2,200 miles
			0%	32.10%	0	N/A	2,200 miles
			0%	32.10%	0	N/A	2,200 miles
			0%	32.10%	0	N/A	2,600 miles
			0%	24.00%	0	N/A	4,300 miles

Definitions:

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Contractor Certification:

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Signature of Authorized Representative: _____ Date: 11/01/2018

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: HS/ _____ Contractor: _____

Address: _____ Contractor Contact: _____

LLW _____ Date: 11/01/2018 Spec Section: 09420 Telephone: _____

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post-**Consumer* by weight	Percentage **Pre-** Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			0%	47%	0	N/A	600 miles
			0%	8.10%	61.1	N/A	200 miles
			0%	4.00%	0	N/A	450 miles
			0%	32.10%	0	N/A	2,200 miles
			0%	32.10%	0	N/A	2,200 miles
9			0%	32.10%	0	N/A	2,200 miles
			0%	32.10%	0	N/A	2,200 miles
			0%	32.10%	0	N/A	2,200 miles
			0%	32.10%	0	N/A	2,600 miles
			0%	24.00%	0	N/A	4,300 miles

Definitions:

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Contractor Certification:

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Signature of Authorized Representative: _____ Date: 11/01/2018

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA **School Construction Authority**
NYC Green Schools Rating System - 2016

Project: HS/IS _____ Contractor: _____
Address: _____ _____ Contractor Contact: _____
LLW: ____ ____ Date: 7.24.19 Spec Section: 10151 Telephone: _____

Product Name:	Manufacturer:	Material Cost (NO Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage POST-Consumer* by weight	Percentage PRE-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			16.50%		n/a	miles	800 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

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Contractor Certification:

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Signature of Authorized Representative: _____ Date: 4.11.19

CONTRACTOR'S SUSTAINABLE MATERIALS FORM
Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: HS/IS Contractor:
Address: Contractor Contact:
LLW: Date: 4.11.19 Spec Section: 10505 Telephone:

Product Name:	Manufacturer:	Material Cost (NO Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage POST-Consumer* by weight	Percentage PRE-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			36%	17%	n/a	miles	820 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

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5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, a duly authorized representative of hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: Date: 4.11.19

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

School Construction Authority

NYC Green Schools Rating System - 2016

Project: HS/IS

Address:

LLW: Date: **3/17/2020**

Contractor:

Contractor Contact:

Spec Section: 09900 Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			0%	0%	0%	5 miles	5 miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles
						miles	miles

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

*** **Regional Materials:** Regionally manufactured materials that have their origin within 500 miles of the project site. These would included products that are regionally mined, harvested, salvaged or re-used (including those salvaged from the site.)

Notes:

1 Recycled content for concrete - provide cost for cementitious materials and percentage of cementitious materials that are recycled-content.
2 Recycled content for steel products - where it is not possible to determine recycled content use default assumption of 25% post-consumer recycled content
3 Regional content for concrete - provide combined cost for all concrete materials and distance information requested.
4 Regional content - for materials with varyone point of extraction all within the 500-mile radius list a single item with the greatest distance.
5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, _____ a duly authorized representative of _____ hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: 3/17/2020

04/30/16

This form may be downloaded from SCA web site

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: HS/IS

Address:

LLW: Date:

Contractor:

Contractor Contact:

Spec Section: 02900 Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
	N/A						

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

*** **Regional Materials:** Regionally manufactured materials that have their origin within 500 miles of the project site. These would included products that are regionally mined, harvested, salvaged or re-used (including those salvaged from the site.)

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5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, a duly authorized representative of hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: Date: 4/3/2020

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: _____ Contractor: _____

Address: _____ Contractor Contact: _____

LLW: _____ Date: **5/7/2020** Spec Section: 02200 Telephone: _____

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
		$ -	0	0	100%	26mi	26mi

REFER TO 02200.04.05 FOR ADDITIONAL DOCUMENTATION

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

*** **Regional Materials:** Regionally manufactured materials that have their origin within 500 miles of the project site. These would included products that are regionally mined, harvested, salvaged or re-used (including those salvaged from the site.)

Notes:

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3 Regional content for concrete - provide combined cost for all concrete materials and distance information requested.
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5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, _____, a duly authorized representative of _____ hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: _____ Date: 5/7/2020

CONTRACTOR'S SUSTAINABLE MATERIALS FORM

Credit M 2.1R, M 2.2, M2.3 and M2.4

SCA School Construction Authority

NYC Green Schools Rating System - 2016

Project: **HS/IS**

Address:

LLW: Date: **5/7/2020**

Contractor:

Contractor Contact:

Spec Section: 10355 Telephone:

Product Name	Manufacturer	Material Cost (no Labor & Equip.)	Recycled Content		Regional*** Materials		
			Percentage **Post**-Consumer* by weight	Percentage **Pre**-Consumer** by weight	Percentage Regionally Extracted*** by weight	Distance between project site and extraction site	Distance between project site and manufacture site
			0	0	0	NA	571 mi

Definitions:

* **Post-Consumer Recycled Content:** Material or finshed product that has served its intended consumer use and has been discarded by consumer.

** **Pre-Consumer Recycled Content:** Recovered industrial and manufacturing materials diverted from municipal solid waste for the purpose of collection, recycling and disposition. Examples include fly-ash and synthetic gypsum, because they are waste products from coal burning electricity plants. (Scrap raw materials that can be reused in the same manufacturing process from which they are recovered are not considered Pre-Consumer Recycled Content.)

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Notes:

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5 Provide back-up documentation for information on form above - such as product data or manufacturer's statements.

Contractor Certification:

I, a duly authorized representative of **Construction** hereby certify that the material information herein is an accurate representation of the material qualifications provided, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

Signature of Authorized Representative: Date: 5/7/2020

04/30/16

This form may be downloaded from SCA web site

Q1.1P – Minimum IAQ Performance

Q4.1R – Indoor Chemical & Pollutant Source Control

Note: Rough draft air balancing report cover page with approval stamp required for TCO is acceptable for this credit.

PROJECT: PS QUEENS
CONTRACT NO. C

SUBMITTAL NO.:

DATE SUBMITTED: 09/16/2020

SUBMITTED BY: , , SR. PROJECT MANAGER, CORP.

Date:
09/16/2020

Job Name:

PS (Q)

Specification Section (s): 15993
Submittal #:

Product Name and Description:

Air Test, Adjust & Balance Report

Submitted by:

PROJECT No.	SHOP DWG. No.

- [x] NO EXCEPTIONS TAKEN
- [ ] APPROVED AS NOTED NO RESUBMISSION REQUIRED
- [ ] REJECTED REVISE AND RESUBMIT
- [ ] REJECTED NOT ACCEPTABLE FOR REVIEW

REVIEW IS TO DETERMINE THE SUITABILITY OF THE APPLICATION OF THE PRODUCT FOR GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. NO GUARANTEE OF MANUFACTURER'S LISTED PERFORMANCE DATA IS IMPLIED OR STATED. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR IS SOLELY RESPONSIBLE FOR DIMENSIONS AND QUANTITIES WHICH SHALL BE CONFIRMED AND COORDINATED AT THE JOB SITE; FABRICATION PROCESSES; MEANS, METHOD AND PROCEDURES OF CONSTRUCTION; COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES; AND THE SATISFACTORY PERFORMANCE OF HIS WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.

BY: DATE: 9/21/2020

CONSULTING ENGINEERS, INC.
NEW YORK, NY

ARCHITECTS

SUBMITTAL REVIEW BY _____ DATE 09/17/2020
SUBMITTAL _____ PROJECT _____

- [x] APPROVED / NO EXCEPTIONS
- [ ] APPROVED WITH COMMENTS
- [ ] REVIEWED
- [ ] REVISE & RESUBMIT
- [ ] REJECTED
- [ ] NO ACTION TAKEN

This review is only for general conformance with the design concept of the project and with the information given in the contract documents. Corrections or comments made herein do not relieve the contractor from compliance with requirements of drawings and specifications. The contractor remains responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satifactory manner.

Q2.1R – Construction IAQ Management Plan, During Construction

REVIEWED FOR GENERAL ACCEPTANCE ONLY, THIS REVIEW DOES NOT RELIEVE THE SUBCONTRACTOR OF THE RESPONSIBILITY FOR MAKING THE WORK CONFORM TO THE REQUIREMENTS OF THE CONTRACT. THE SUBCONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS, CORRECT FABRICATION AND ACCURATE FIT WITH THE WORK OF OTHER TRADES

COMPANY

DATE: 06/05/2019

BY: TG

Package No.	Item No.	Item Rev No.
		003

Project #

June 6, 2019

Q 2.1

PS 3rooklyn LLW #

Indoor Air Quality (IAQ) Management Plan

Prepared By:

Date: June 6, 2019

OBJECTIVES

This Plan addresses measures required under *IEQc3.1: Construction Indoor Air Quality Management Plan, During Construction and IEQc3.2: Construction Indoor Air Quality Management, Before Occupancy* of the U.S. Green Building Council's *LEED BD+C New Construction Version 3.0* rating system.

This Plan takes the requirements of Specification *Section* ***S01550*** *Indoor Air Quality Management* to a level of field and project specific detail.

INTENT

This Plan intends to minimize exposure of construction workers to air pollutants; prevent air pollutants from collecting in building systems and on building materials; and prevent air pollutants caused by construction from migrating into occupied spaces. For the purposes of this Plan, air pollutants are defined as:

- Particulates
- Volatile organic compounds
- Formaldehyde
- Combustion emissions
- Airborne bacteria and micro-organisms
- Airborne inorganic compounds, such as ozone (from electrical motors), metal fumes (from smoldering and welding), and ammonia and chlorine (from cleaning products)

PLAN IMPLEMENTATION

The LEED requirements with which this Indoor Air Quality Management Plan complies are as follows:

1. IEQc3.1 Construction IAQ Management Plan, During Construction: Develop and implement an Indoor Air Quality (IAQ) Management Plan for the construction and pre-occupancy phases of the building as follows:
   a) During construction meet or exceed the recommended Control Measures of the Sheet Metal and Air Conditioning National Contractors Association (SMACNA) IAQ Guideline for Occupied Buildings under Construction, 2nd Edition 2007, ANSI/ SMACNA 0080-2008 (Chapter 3).
   b) Protect stored on-site or installed absorptive materials from moisture damage.
   c) If permanently installed air handlers are used during construction, filtration media with a Minimum Efficiency Reporting Value (MERV) of 8 will be used at each return air grille, as determined by ASHRAE 52.2-1999.
      i. Existing Building – does not have an air handling unit, only supply and exhaust fans. We will shut-off those fans, and cover all inlets and outlets that are part of their

system.

ii. New Building – we will not be using the new systems during construction.

d) Filtration media in equipment that were utilized during construction will be replaced immediately prior to occupancy.

e) Filtration media in equipment that were utilized will be replaced just prior to starting the building flushout, and will be inspected and replaced on an as-needed basis just prior to occupancy.

2. IEQc3.2 Construction IAQ Management Plan, Before Occupancy: After construction ends, prior to occupancy and with all interior finishes installed building flush out activities will be implemented according to the options indicated in Article 14 below, and consistent with the requirements stated in the LEED BD+C New Construction Version 3.0 Reference Guide for Credit IEQc3.2.

3. Additional tasks are included as per the LEED Requirements:

a) Installation of materials will be sequenced so as to reduce the chances that porous materials absorb contaminants emitted by pollutant sources.

b) Work undertaken in fulfillment of the Plan will be fully documented.

c) Documents as required for LEED™ Certification will be submitted.

d) Overall coordination and communications related to the Plan's implementation will be planned and discussed at regular Project meeting.

PERSONNEL AND RESPONSIBILITIES

Construction Manager	• Responsible for overall execution of the Plan. • Resolve disputes related to Plan execution and coordination. • Appoint IAQ Representative. • Generate and compile all Plan documentation.
IAQ Representative	• Inform construction personnel of the Plan's goals and procedures. Provide opportunities for discussion/feedback to ensure that all construction personnel thoroughly understand the intent and procedures of the Plan. • Regularly tour the jobsite to supervise and ensure Plan compliance. • Discuss ongoing measures of the Plan at project coordination meetings to address Construction IAQ Management. Minutes shall be kept at these meetings for the Owner's records and for Plan documentation. • Ensure criteria for warnings/corrective actions for failed compliance with the Plan are clearly understood by all affected parties. • Notify respective parties in writing if in the procedures and measures of the Plan are not being adhered to. • Generate and/or compile all Plan documentation.
Trade Contractors	• Carry out requirements of the Plan under the direction of the IAQ Representative. • Discuss IAQ measures affecting subcontractor's scope of work at all meetings with the CM. • Sequence work and use work methods that conform to the Plan

	requirements. • Assume financial responsibility for costs resulting from poor or failed compliance with the Plan.

PLAN DOCUMENTATION

Primary copies of the documentation will be filed at the project site, with a copy stored at the office of the Construction Manager. Upon occupancy of the building (or earlier, if requested), the Owner will be provided with the following documentation package:

1. The approved Construction IAQ Management Plan.
2. A copy of the IAQ Control Measures schedule, which lists the anticipated start-up date and expected duration of all construction IAQ control measures. **The schedule is included as Appendix A of this Plan.**
3. Minutes of all meetings in which Construction IAQ issues were discussed.
4. Deficiency reports showing corrective action taken and dates of both deficiency and corrective action.
5. Copies of work orders related to Plan IAQ activities and a work order log.
6. Record of temporary use of building mechanical equipment.
7. Record of filter change-outs showing location, time, and filter type, until acceptance of equipment by Owner.
8. A schedule of all filtration media used during construction and for filtration media installed just prior to occupancy with MERV values highlighted. This schedule is included as Appendix B to this document.
9. Cut sheets for all filtration media used during construction, and for filtration media installed just prior to occupancy.
10. Copies of duct testing and cleaning reports, if performed.
11. Job progress photographs taken at regular intervals throughout the construction process. Photographs will show the implementation of various measures required by the Plan, and will be labeled to indicate the SMACNA measure being illustrated. Photographs will have integral date stamps, and will be submitted in chronological order. No fewer than minimum 18 photographs will be submitted evenly divided between at least minimum 3 occasions.

REFERENCED STANDARDS

1. Sheet Metal and Air Conditioning National Contractors Association (SMACNA) IAQ Guideline for Occupied Buildings under Construction, 2nd Edition 2007, ANSI/ SMACNA 0080-2008 (Chapter 3). The overall intent and some detailed recommendations found in these Guidelines are the basis for this Plan.
2. ANSI/*ASHRAE 52.2-1999; Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size*. These define the testing to establish the MERV rating of filters.
3. General *Specifications for the Cleaning of HVAC Systems*, National Air Duct Cleaning Association, 1997, www.nadca.com(202-737-2926).
4. Green Building Design and Construction Reference Guide 2009 Edition with Addenda, LEED BD+C New Construction Version 3.0, United States Green Building Council.

COMPLIANCE WITH SMACNA GUIDELINES

Per LEED, this Construction Indoor Air Quality Management Plan follows Chapter 3 of the IAQ Guidelines for Occupied Buildings under Construction, 2nd Edition 2007, ANSI/SMACNA, published by the Sheet Metal and Air Conditioning Contractors National Association Inc. (SMACNA). Because the SMACNA Guidelines are written for occupied buildings undergoing renovation, the headings used under the "Control Measures" section of this Plan have been modified, where appropriate, to reflect a new construction project. All of the SMACNA sections are addressed under the corresponding headings listed below.

SMACNA HEADINGS	HEADINGS IN THIS PLAN	Article (this Plan)
Chapter 3 Control Measures	Control Measures	7-10
3.1 Overview	(Not applicable)	NA
3.2 HVAC Protection	HVAC Equipment and Ductwork Protection and Use	7.0
3.2.1 Return Side	Sealing Ductwork and Air Handling Equipment	7.A
3.2.2 Central Filtration	Filter Replacement and Tracking	7.B
3.2.3 Supply Side	Use of Mechanical Systems During Construction	7.C
3.2.4 Duct Cleaning	Duct Cleaning and HVAC Equipment Cleaning	7.D
3.3 Source Control	Source Control	8.0
3.3.1 Product Substitution	Product Substitutions	8.A
3.3.1 Low Emission Products	Low-Emission Products	8.B
3.3.2 Modifying Equipment Operation	Modifying Equipment Operation (not applicable)	8.C
3.3.3 Changing Work Practices	Changing Work Practices	8.D
3.3.4 Local Exhaust	Temporary Exhaust & Ventilation	8.E
3.3.5 Air Cleaning	Air Cleaning (not applicable)	NA
3.3.6 Cover or Seal	Sealing Pollution Sources	8.F
3.4 Pathway Interruption	Pathway Interruption	9.0
Depressurize the Work Area	Depressurize the Work Area	9.A
Pressurize Occupied Space	Pressurize Occupied Space	9.B
Erect Barriers to Contain Construction Area	Erect Barriers to Contain Construction Area	9.C
Relocate Pollutant sources	Relocate Pollutant sources	9.D
Temporarily Seal the Building	(Not applicable)	
3.5 Housekeeping	Housekeeping	10.0

	Routine Jobsite Cleaning	10.A
	Protection of Stored Materials before Installation	10.B
	Protection of Materials During and After Installation	10.C
3.6 Scheduling	Scheduling	11.0
	Airing-out New Materials	11.A
	Sequencing of Finish Applications	11.B
	Proper Curing of Concrete before Covering	11.C
	Installation during Unoccupied Periods	11.D

SMACNA MEASURES

1. HVAC Equipment and Ductwork Protection and Use

a) Sealing Ductwork and Air Handling Equipment:

- Openings into installed ductwork and air-handling equipment not in active use will be covered using taped blue plastic. Openings will be covered prior to, or immediately upon installation of the ductwork or equipment. Additionally the equipment for this project will not be used prior to construction completion. Regular walk-throughs will be conducted by the IAQ Representative to check for damaged or displaced coverings. A TCCO representative will conduct these walk-throughs. Corrective actions for damaged or displaced coverings will be addressed immediately upon discovery, per the direction of the IAQ Representative.
- Construction work that generates air pollution will be avoided where ductwork or air-handling equipment is being installed. If visible air pollutants are present in a space where ductwork is to be installed, spot cleaning, temporary ventilation, or other measures will be used to prevent ductwork or equipment contamination. This will be implemented by TCCO.

b) Filter Replacement and Tracking:

- MERV 8 filters used for ductwork protection (see section above) will be replaced on an as- needed basis, as determined by the IAQ Representative.
- At the end of construction, just prior to turn over, the MERV 8 filters used for ductwork protection will be discarded.
- Filtration on the affected air systems will be changed to MERV 13 prior to the start of flushout activities, and will be changed again just prior to occupancy on an 'as needed' basis.
- At the end of construction, just prior to turn over, new *MERV13* filters will be installed at all air handlers.
- A listing of filter replacements (showing location, time, and filter type) will be recorded and included in the final Plan documentation.
- An approved cut sheet for each type of temporary filter used will be filed and included

in the final Plan documentation. The MERV rating of each filter will be highlighted on the cut sheet. Cut sheets will include the contractor's stamp.

c) Use of Mechanical Systems during Construction

- The building's permanent HVAC systems will not be used during the construction process, to the maximum extent feasible. Passive ventilation and temporary exhaust fans, as described in the Temporary Exhaust and Ventilation section under Source Control, are the primary approaches to minimize contaminant build-up within the building, and to provide outside air to the construction workers.
- If it becomes necessary to use the building's permanent HVAC systems during construction, the following control and protection measures will be employed:
  - i. Exhaust and makeup air supply systems: if a system is operated during construction, its filters will be replaced prior to the building flush-out
  - ii. Central air systems will be subject to these provisions when operated during construction:
  - iii. The central AHU will be protected with a temporary filter having a minimum rating of MERV 13 per ASHRAE 52.2-1999.
  - iv. Distribution elements needing filters, including all return air ductwork, will be protected with temporary filters having a minimum rating of MERV 8 per ASHRAE 52.2-1999 unless otherwise noted below.
  - v. If used for prolonged periods, filters will be periodically inspected and replaced if dirty.
  - vi. All components of the distribution on the return side will be protected, including but not limited to: the portion of the air handler upstream of the central fan, return vents, ducts and shafts; VAV box intakes; and transfer ducts. Components of the distribution system on the supply side will typically not need protection except if portions of the supply system become contaminated, coarse filters will be applied to completely cover supply outlets, to prevent the distribution of particulates into building spaces.

d) Duct and HVAC Equipment -

- Duct cleaning, and related HVAC equipment cleaning, will be considered a last resort measure. The Owner or his designee will provide an inspection of all ductwork, filters, casings, coils and fans prior to building turnover to determine if/where cleaning is required. If cleaning is needed:
  - i. The work will be done by experienced professionals skilled in the task, using specialized equipment and following the requirements of the *General Specifications for the Cleaning of HVAC Systems* referenced above.
  - ii. If it is found that duct liner, ductwork, or equipment is too contaminated to be cleaned successfully, it will be replaced.
  - iii. If construction is still underway at the completion of cleaning, all openings required to be sealed per this Plan will be resealed as soon as possible after cleaning.
  - iv. A log recording all duct cleaning that takes place during construction will be created, filed, and included in the final submittal.
  - v. The party creating the pollution will bear the cost of cleaning, if the polluting work was done in violation of the Plan.

2. Source Control

a) Product Substitution:

- Products utilized in the finishes of this building shall adhere to the emissions criteria in specifications Division 1 "VOC Content Limitations" section.
- Such products shall undergo a submission process, wherein the subcontractor submitting the products will be required to provide detailed information regarding the product's VOC content. Products that do not meet the VOC content limitation requirements will be rejected.

b) Low Emitting Products: This Plan is predicated on the use of low-emission interior products which comply with the following VOC limit standards:

LEED Credit	Referenced Standard
IEQc4.1: Low-Emitting Adhesives and Sealants	• Adhesives and Sealants: California Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda. (Schools) • Adhesives, Sealants and Sealant Primers: California's South Coast Air Quality Management District Rule #1168, Adhesive and Sealant Applications • Aerosol Adhesives: Green Seal Standard GC-36
IEQc4.2: Low-Emitting Paints and Coatings	• Paints and Coatings: California Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda. (Schools) • Anti-Corrosive and Anti Rust Paints: Green seal Standard GC-03 • Interior Topcoat Paints: Green Seal's Standard for Architectural Coatings (GS-11) Green Seal, 1001 Connecticut Avenue, NW, Suite 827, Washington, DC 20036 • All Other Architectural Coatings: California's South Coast Air Quality Management District Rule 1113, Architectural Coatings (adopted September 2, 1977, with amendments through May 14, 1999)

IEQc4.3: Low-Emitting Flooring Systems	• All flooring elements: California Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda. (Schools) • Carpet Systems: Carpet and Rug Institute's CRI Green IAQ Label "Plus" criteria • Carpet Pad: Carpet and Rug Institute's CRI Green IAQ Label criteria • Hard Surface Flooring: The Resilient Floor Covering Institute - FloorScore Program
IEQc4.4: Low-Emitting Composite Wood and Agrifiber	• Composite Wood and Agrifiber Products: Products containing added urea-formaldehyde resins will not be installed on the project. In addition, products with laminating adhesives containing urea-formaldehyde will not be installed on the project
IEQc4.6: Low-Emitting Ceiling and Wall Systems (Schools)	• Gypsum board, insulation, acoustical ceiling systems and wall coverings: California Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda. (Schools)

c) Modifying Equipment Operation to reduce air pollution during construction:

- Electric equipment will be used instead of gasoline-powered equipment whenever practical.
- Bottled gas will be used in place of diesel fuel whenever practical.
- Exhaust from gasoline or diesel vehicles will be kept away from air intake pathways.
- Fuel-burning equipment will be cycled off during extended periods between uses.

d) Changing Work Practices: All construction workers will use work practices that reduce the generation and distribution of indoor air pollutants. The Representative will conduct orientation sessions with affected construction workers and supervisors, as part of the Construction Manager's overall orientation on safe work practices. In these sessions, the Representative will review goals covering all aspects of the Plan, including HVAC protection, source control, pathway interruption, use of low-VOC products, housekeeping, and flush-out.

e) Temporary Exhaust and Ventilation: Where available, operable vents and windows will be opened to ventilate the building during application of interior finishes when weather conditions are suitable. Spaces with fixed glazing or no windows will be ventilated by localized temporary exhaust, as described below, or by using building mechanical systems (described above).

- Any local regulations concerning the discharge of particulates will be adhered to.
- Local temporary exhaust will be accomplished using fans, duct extensions, and filters.
- Local temporary exhaust will not discharge near air intakes or other openings that lead into the building.
- When necessary to control odors, special filtration media such as potassium permanganate or activated charcoal will be used.
- Building louvers may be temporarily removed, or the installation of fixed windows delayed for the placement of exhaust ductwork.

f) Sealing Pollution Sources: The following rules apply to materials that emit air pollutants or odors:

- Containers containing wet materials will be covered whenever they are not in active use.
- Waste materials will be covered or sealed and regularly removed from the building.
- Absorptive materials or materials with an odor will be covered while moved through the building.
- Whenever possible, material containers will be disposed of with the covers on.
- Enclosed tankers will be used for built-up roofing instead of open kettles.
- Materials that require a surface coating to control pollutants or odors will be coated promptly.

g) Sealing Pollution Sources:

- Containers of emitting materials (e.g., sealants, adhesives, paints) will be covered whenever they are not in active use.
- Waste materials, particularly those that emit odors, will be regularly removed from the building.

2. Pathway Interruption

a) Depressurize the Work Area: Adjust balance of HVAC system or exhaust system or install temporary portable fans.

b) Pressurize the Occupied Spaces: Increase the supply air or reduce exhaust to exclude airborne dust or odors.

d) Erect Barriers to Contain Construction Area

When work is completed in an area, the area will be protected from pollutants generated in other parts of the building still under construction. One or more of the following methods of pathway interruption will be used:

- Erecting barriers between completed areas and areas still under construction.
- Where present, doors and windows will be closed and locked between completed

portions of the building and portions of the building still under construction. The closures will be further sealed with tape, plastic sheeting and/or sealant, if necessary.

- Where there is no constructed barrier between the two portions of the building, a temporarily barrier will be erected to close in the small of the two spaces. The edge of the temporary barrier will be taped continuously to ensure a tight seal, or even caulked. The temporarily barrier will be erected to withstand pressure differentials between the two spaces. Elevator and stairways that open on to both completed areas and areas still under construction will have air lock vestibules at their entries to the floor to prevent the passage of dust and other contaminates by the stack affect.

e) Relocate Pollutant Sources: Stage the location of equipment or processes which produce pollutants away from air intake and occupied areas.

3. Housekeeping

a) Routine Jobsite Cleaning: Controlling Pollution at Entrances: Measures will be implemented to close or cover pathways between spaces through which pollutants could travel, such as pollutants from being tracked into interior spaces by workers or equipment. These will include temporarily walk-off mats and floor protection. The following housekeeping measures will be employed as part of the Plan:

- A regular housekeeping schedule will be instituted. Cleaning measures and frequency will be selected according to the pollutants generated in a space.
- Where applicable, dust will be suppressed by the use of low-odor wetting agents and sweeping compounds.
- Low-odor cleaning agents will be used.
- Spills of water or solvent will be cleaned up immediately.
- Attention will be given to cleaning hidden or hard-to-reach surfaces, such as wall cavities, tops of door, ledges, and behind water closets.

b) Protection of Stored Materials before Installation: Measures will be taken to minimize dust accumulation on material surfaces; minimize moisture exposure or moisture damage of stored materials; and minimize the absorption of other pollutants by absorbent materials. The measures will include the following:

- Materials will be handled and stored according to the manufacturer's recommendations.
- Unwrapped absorbent materials will be shrink-wrapped and stored on pallets (or similar means) to raise them off the floor surface
- Highly absorbent materials such as duct liner, acoustic tile, carpeting, or insulation will be stored indoors in the original packaging, or covered and sealed.
- Moderately porous materials such as gypsum board will be stored indoors, wrapped or away from dust and materials prone to off-gas VOC's.
- Dense material such as glass, metal framing, ductwork and equipment will be covered and kept dry.
- If condensation forms on cold material, care will be taken not to expose it to dust or other particles. If exposed to pollution, housekeeping measures will be used promptly to clean the material before installation.
- No materials will be stored in rooms containing air-handling equipment other than materials intended for use there.

- Ductwork will be stored on raised palates or blocking. The ductwork will be covered by tarps if it is to be stored for an extended period.

c) Protection of Materials During and After Installation
- No materials intended for dry installation will be installed wet.
- The Representative will determine appropriate measures to prevent water damage to materials not intended to be wet during construction, including temporary water barriers and/or water stops.
- Subcontractors are required to notify the Representative of any condition in which a material may be moisture damaged. The Representative will inspect the material and determine if it needs to be replaced.

4. Scheduling

a) Airing-Out of New Materials: Materials including carpet, carpet tiles, vinyl composition tile, and resilient sheet flooring will be removed from their packaging 24 to 72 hours prior to their installation and stored in ventilated areas away from absorbent materials acoustical such as ceiling tiles (and away from spaces where ceiling tiles have been installed).

b) Sequencing of Finish Applications: The installation and application of finishes will be scheduled to prevent porous materials from acting as "sinks" for the storage and subsequent release of contaminants emitted from wet-applied finishes and other high off-gassing materials. Major finish materials for the project have been categorized as either 'Sources' (highly emitting) or 'Sinks' (porus/absorbent). A schedule of these materials is attached in Appendix C to this Plan. The following sequencing procedures will be coordinated by the Representative:
- Caulks, sealants, and joint fillers will be applied prior to installing carpets or acoustical ceiling tiles.
- Painting of interior walls, soffits, doors, frames, etc. (with the exception of touch-up work) will occur prior to installing carpets or acoustical ceiling tiles.
- Painted areas will be allowed a minimum 48 hour drying period before carpets or acoustical ceiling tiles are installed. Only low-VOC paints and primers will be used.
- Where feasible, a primer coat of paint will be applied to gypsum wallboard prior to the application of caulks, sealants, and joint fillers.
- Custom architectural millwork items will be finished off-site and delivered to the site after a minimum 48 hour off-site curing period.
- Fabric-covered systems furniture panels and upholstered furniture will be installed after all other finish work is complete, and after flush-out is complete.

c) Proper Curing of Concrete before Covering: Applicable finishes over concrete slabs and toppings (stone flooring; VCT; wood flooring; carpet; paints; sealers) will be installed according to the manufacturer's instructions regarding the appropriate condition of the concrete slab.

d) Installations During Unoccupied Periods:
- Installations will occur only during unoccupied periods.
- Occupied and unoccupied areas will be effectively separated from on-going construction-generated pollution in accordance with the requirements of "Pathway

Interruption," above.

CONSTRUCTION INDOOR AIR QUALITY MANAGEMENT PLAN, BEFORE OCCUPANCY

It is the responsibility of the IAQ Representative, commissioning agent, or other responsible party to fulfill the credit requirements of IEQc3.2: Construction IAQ Management Plan, Before Occupancy.

The following procedures address the requirements of IEQc3.2: Construction IAQ Management Plan, Before Occupancy. The will be responsible for coordinating and documenting the building flush-out operation.

OPTION 1:

1. Entire Building Flush-Out Before Occupancy

   After construction ends, with all interior finishes installed and following cleaning of the building perform a building flush-out by supplying a total air volume of 14,000 cubic feet of outdoor air per square foot of floor area while maintaining an internal temperature of at least 60 degrees Fahrenheit and a relative humidity no higher than 60%. This flush-out must be completed before occupancy.

2. Building Flush-out Duration:

   a) See "Flush-out Procedure & Calculations" at the end of this document.

3. Air Filtration During Flush-out: Filters at central air handling units (AHU's) that are operated during flush-out:

   a) Prior to use, each AHU will be equipped with filters having a minimum rating of MERV-13 per ASHRAE 52.2-1999

   b) After flush-out, filters in those AHU's that supplied and exhausted 100% outside air will be inspected. If a significant accumulation of particulates has occurred, these filters will be replaced.

Q 2.1

Project #

Appendix A – Schedule of Indoor Air Quality Measures –

SUMMER 2019 WORK (EXISTING BUILDING)

MEASURE	SMACNA REFERENCE	START DATE OF IMPLEMENTATION	DURATION	NOTES
Cover Inlets & Outlets	3.2.1	June 27,2019	1 Day	
Erection of Barriers to contain Construction Areas	3.4	June 27, 2019	5 Days	
Inspection of New ductwork's openings covered	3.2.1	Approx. Aug. 16, 2019	Daily	
Removal of barriers	3.4	Approx. Aug. 16, 2019	1 Day	
Removal of protection on inlets & outlets	3.2.1	Approx. Aug. 16, 2019	1 Day	

Appendix B - Table of Filtration Media and AHU Use – Not Used

Filtration Used During Construction				Pre-Occupancy Replacement date	Replacement Filter MERV Ratings (Post Occupancy)
AHU Used During Construction	Filtration Manufacturer	Filtration Model	MERV Rating		

Appendix C - Table of Finish Materials

The list below is a sample. Contractor to modify for project
Type 1 Materials are 'Sources' (highly emitting)
Type 2 Materials are 'Sink' (porous/absorbent)

	Material	Fin. Sched. Abbrev.	Material Type		Material	Fin. Sched. Abbrev.	Material Type
1			--				
2			--				
3			--				
4			--				
5			--				
6			--				
7			--				
8			--				
9			--				
10			--				
11			--				
12			--				
13			--				
14			--				
15			--				
16			--				
17			--				
18			--				
19			--				
20			--				
21			--				
22			--				
23			--				

Note: Six unique measures must be documented.

GREEN SCHOOLS GUIDE
Q2.1 IAQ PHOTO TRACKING MATRIX

PROJECT NAME: DATE:

CONTRACTOR:

Contractor to review listing of SMACNA control measures and revise as applicable to project. Provide photos over a period covering no less than three dates showing at least six different SMACNA measures in total. Submitted photographs to be date-stamped and labeld with SMACNA measure being highlighted. Please provide as wide a variety of images as possible.

SMACNA Chapter 3 Control Measures					
Date of Photos:					
3.2 HVAC EQUIPMENT AND DUCTWORK					
Sealing Ductwork and Air Handling Equipment					
Filter Replacement and Tracking					
Use of Mechanical Systems during Construction					
Duct and HVAC Equipment Cleaning					
3.3 SOURCE CONTROL					
Product Substitutions					
Low-Emission Products / Product Substitution					
Changing Work Practices					
Temporary Exhaust and Ventilation					
Sealing Pollution Sources					
3.4 PATHWAY INTERRUPTION					
Depressurize the Work Area					
Pressurize Occupied Space					
Erect Barriers to Contain Construction Area					
Relocate Pollutant Sources					
3.5 HOUSEKEEPING					
Routine Jobsite Cleaning					
Protection of Stored Materials before Installation					
Protection of Materials During and After Installation					
3.6 SCHEDULING					
Airing-out of New Materials					
Sequencing of Finish Applications					
Proper Curing of Concrete before Covering					
Installation during Unoccupied Periods					

10/30/2019 Sealing ductwork in the interior

10/30/2019 Sealing ductwork &
mechanical equipment on the roof

10/30/2019 Sealing Ductwork in the interior

10/30/2019 Sealing mechanical equipment

CUT TAPE HERE

890NST SILICONE

PECORA CORPORATION

890NST NON-STAINING TECHNOLOGY™

NEUTRAL-CURE, ULTRA-LOW MODULUS

PECORA CORPORATION® 890NST SILICONE

PECORA CORPORATION® 890NST SILICONE

PECORA CORPORATION®

PECORA CORPORATION® 890NST SILICONE

PECORA CORPORATION®

FIRST AID MEASURES

If exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. **PREMIERS SOINS** : En cas d'exposition ou d'inquiétude, demandez un avis médical ou consultez

WARNING:

Suspected of damaging fertility. May be harmful if ingested. Causes mild skin irritation. Causes eye irritation. May cause an allergic skin reaction. May be harmful to aquatic life with long-lasting effects. PRECAUTIONS: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing fume. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/eye protection.

890NST NON-STAINING TECHNOLOGY™

NEUTRAL-CURE, ULTRA-LOW MODULUS

PRODUCT DESCRIPTION:

Pecora® 890NST is a non-staining, ultra-low modulus, neutral-curing silicone

DIRECTIONS FOR USE:

Proper sealant dimensions are critical when installing

FIRST AID MEASURES

IF exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. **PREMIERS SOINS** : En cas d'exposition ou d'inquiétude, demandez un avis médical ou consultez

WARNING:

Suspected of damaging fertility. May be harmful if ingested. Causes mild skin irritation. Causes eye irritation. May cause an allergic skin reaction. May be harmful to aquatic life with long-lasting effects. PRECAUTIONS: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing fume. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/eye protection.

05/19/2020 Low emission product

05/19/2020 Interior site cleaning with green dust



05/19/2020 Interior site cleaning with green dust


5/ 4/2020 9:25
Protection of stored material



05/19/2020 Protection of stored material



5/4/2020 Properly stored & sealed materials

05/19/2020 Protection of stored material



5/4/2020 Proper protection of material during transportation



5/4/2020 Sealing ductwork & equipment on the roof



3/20/2020 Properly protected equipment - housekeeping



3/20/2020 Properly sealed ductwork



Protection of equipment after installation

3/20/20 9:24:34 AM EDT



3/20/2020 Properly sealed ductwork & equipment



Sequencing of Finish Applications:
Self-leveling in the cafeteria



Sequencing of Finish Applications: VCT installation in the cafeteria



Sequencing of Finish Applications: Ceiling tiles installation in the cafeteria



Proper curing of concrete (before covering - not required since it is summer)

Q2.2R – Construction IAQ Management Plan, Before Occupancy

Inc.

This project meets the flush-out requirements of specification section S01550 after the project was completed and before occupancy. Inc. completed a flush out on newly installed ductwork located at **PS** **NY 11375.**

At that time, our team performed a full flush-out. Outdoor air was supplied to the building to achieve a total of 14,000 cf/square foot prior to occupancy. Internal temperature was maintained at least 60 degrees Fahrenheit with relative humidity no higher than 60%. MERV 13 filters were installed during flush-out.

Once the air handling units were turned on, the team performed the flush-out for a total of 19 days. Calculations to determine the total volume of outside air required to comply with these requirements are provided below.

14,000 CF x 37,247 Building SF = 521,458,000 CF

Calculations demonstrating the total volume of outside air actually delivered are below and have been verified By the AOR.

Rooftop units provide 20,071 CFM of outside air (1,204,260 CF per hour).
Flush-out was conducted for 24 hours each day, for 19 days. The total flush-out time is 456 hours, with outside air delivered at @1,204,260 CF per hour= 549,142,560 CF. This exceeds the minimum required amount calculated above (521,458,000 CF). The internal temperature remained above 60°F and below 60% humidity.

This is our documentation attesting to a successful completion of the flush-out.

Construction completion date:
Flush-out start date: 8/9/19
Flush-out completion date: 8/28/19
Building Occupancy date: 9/3/19

Very Truly Yours,

[SIGNATURE]

Project Manager

Q3.1R – Low Emitting Materials, Adhesives and Sealants

Note: Indicate interior adhesive and sealant applications only

LOW EMITTING MATERIALS - SUMMARY FORM A (page 1)
Adhesives and Sealants
Credit Q 3.1R

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: [redacted]
Address: [redacted]
LLW #: [redacted] Design #: na
Date: January 13, 2021

Architect: [redacted]
Preparer: [redacted]
Telephone: [redacted]

Adhesives

Product Use	Manufacturer's Name	Product Name	Product's VOC Level [g/L less water]	VOC Limit [g/L less water]
Architectural Applications				
Indoor Carpet Adhesives	n/a			50
Carpet Pad Adhesives	n/a			50
Wood Flooring Adhesives	n/a			100
Rubber Floor Adhesives	n/a			60
Subfloor Adhesives	na			50
Ceramic Tile Adhesives	Mapei	Ultraflex 2	0g/L	65
VCT & Asphalt Adhesives	Mapei	Ultrabond Eco 711	11g/L	50
Drywall & Panel Adhesives	na			50
Cove Base Adhesives	Mapei	Ultrabond Eco 575	<40g/L	50
Multipurpose Construction Adhesives	Tremco	Spectrum 2	42	70
	Edgetherm	THM3000	nil	70
Structural Glazing Adhesives	Dow Corning	1199 Silicone	<70 g/L	100
SS Corner Guard Adhesive	Loctite	PL200 Proj Const Adhesive	49g/L	
Specialty Applications				
PVC Welding				519
CPVC Welding				490
ABS Welding				325
Plastic Cement Welding				250
Adhesive Primer for Plastic				550
Contact Adhesive				80
Special Purpose Contact Adhesive				250
Structural Wood Member Adhesive				140
Sheet Applied Rubber Lining Operatic	GCP Appplied Tech	Bituthene Adhesive Primer	<200g/L	850
Top & Trim Adhesive				250

4/30/2016
Revised 10/31/18

LOW EMITTING MATERIALS - SUMMARY FORM A (page 2)
Adhesives and Sealants
Credit Q 3.1R

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: [redacted]
Address: [redacted]
LLW #: [redacted] Design #: na
Date: January 13, 2021

Architect: [redacted]
Preparer: [redacted]
Telephone: [redacted]

Adhesives

Product Use	Manufacturer's Name	Product Name	Product's VOC Level [g/L less water]	VOC Limit [g/L less water]
Architectural Applications				
Substrate Specific Applications				
Metal to Metal (usded off-site)			g/L	30
Plastic Foams	**WR Meadows**	Ceramar	0	50
Porous Material (except wood)				50
Wood				30
Fiberglass				80
Substrate Specific Applications				
General purpose mist spray				65% VOCs by wt.
General purpose web spray	**Grace**	Monokote MK6HY/Z106HY	0	55% VOCs by weight
Special purpose aerosol adhesives (all types)				70% VOCs by weight

Sealants

Product Use	Manufacturer's Name	Product Name	Product VOC Level [g/L less	VOC Limit [g/L less water]
Architectural	**Tremco**	Dymonic 100	40	250
	Tremco	THC 901	99	250
	Pecora	890FTS / FTS-TXTR	98	250
	Pecora	1215 Seam Sealer	<250	250
	Tremco	Dymeric 240FC	5	250
	Tremco	Spectrum 1	1	250
	Tremco	Tremsil 200	1	250
	Tremco	Butyl Sealant	232	250
				250
				250
	Pecora	DynaTrol I-XL	<100	250
	Pecora	890NST	98	250
Roadway	**Sika**	Sikasil - 728 NS	21	250
Other	**USG**	Acoustical sealant	15g/L	420
Architectural Non Porous				250
Architectural Porous				775

4/30/2016
Revised 10/31/18

Q3.2R – Low Emitting Materials, Paints & Coatings

Q3.3R – Low Emitting Materials, Flooring Systems

Q3.4R – Low Emitting Materials, Composite Wood & Agrifiber Products

Q3.2: Painted gym lines and exterior paints and coatings are exempt from this credit

LOW EMITTING MATERIALS - SUMMARY FORM B
Paints, Coatings, Flooring
Composite Wood & Agrifiber Products
Credit Q 3.2R, 3.3R and 3.4R

SCA School Construction Authority
NYC Green Schools Rating System - 2016

Project: [redacted]
Address: [redacted]
LLW #: [redacted] Design #: na
Date: January 13, 2021

Architect: [redacted]
Preparer: [redacted]
Telephone: [redacted]

Paints and Coatings

Product Use	Manufacturer's Name	Product Name	Product's VOC Level [g/L less water]	VOC Limit [g/L less water]
Architectural paints				
Flats	**Sherwin Williams**	Promar 200 0 VOC latex primer	<50 g / L	50 g / L
	Sherwin Williams	Promar 200 0 VOC latex flat	<50 g / L	
Non-Flats	**Sherwin Williams**	PrepRite Block Filler	<50 g / L	150 g / L
	Sherwin Williams	Promar 200 0 VOC latex s/gloss	<50 g / L	
	Sherwin Williams	Pro-Cryl Universal Primer	<100 g / L	
Anti-corrosive, anti-rust paints	**Sherwin Williams**	Macropoxy 646 (Exterior Metal Application)	<250 g / L (unreduced)	250 g / L
	Sherwin Williams	Acrolon 218 HS (Exterior Metal Application)	<300 g / L (unreduced)	
Anti Graffiti Coating	**Visual Pollution Technologies**	Graffiti - Pruf	0 g / L	
Clear wood finishes				
varnish	**Milesi Wood Coatings**	HSC6031 Sheen/Series	<0.5mg/m^3	350 g / L
Floor coatings	**Sherwin Williams**	Armorseal 8100	<50 g / L	100 g / L
Sealer				
waterproofing sealers				250 g / L
sanding sealers				350 g / L
all other sealers	**Grace**	Firebond Fireproofing Sealer	15 g / L	200 g / L
Stains				250 g / L
Asphalt sealer	**VelveTop Products**	Velvetop Polymer Modified Asphalt Sealer	10 g/L	

Flooring

Product Use	Manufacturer's Name	Product Name	Type of CRI Green Label Plus Documentation Attached
Carpet	**n/a**		
Carpet Tile	**n/a**		
VCT Flooring	**Armstong**	Standard Excelon	**Per Spec/ FloorScore/SCS**
Wood Flooring	**Connor**	Maple Wood Flooring w/ MFMA stamp	**Per Spec/ No VOC Data**
Continous Matt Underlayment	**Pliteq**	GenieMat FF	**-0.5mg/m^3 or less**
Cushion Pad	**Connor**	DuraCushion I	**Per Spec/LEED V.4**
Resinious Flooring	**n/a**		
Resilient Athletic Flooring	**n/a**		
Equip. Room Fluid Applied Flooring	**DEX-O-TEX**	M-E Flooring NR	**Per Spec (water-based)/ No VOC Data**
Ceramic Tile	**Daltile/Roca**	Keystones/Wall Tile Collection	**Per Spec**

Composite Wood & Agrifiber Products

Product Use	Manufacturer's Name	Product Name	Documentation of Lack of added Urea Formaldehyde
Plywood	**Columbia**	PureBond	**MSDS**
Wood Doors	**Assa Abloy/Graham**	GPD-EC	**Product Data**
Furniture	**Columbia**	PureBond	**MSDS**

4/30/2016
Revised 10/31/18

Q4.3R – Post Construction Indoor Air Quality

From:
Sent: Tuesday, March 9, 2021 11:28 AM
To:
Cc:
Subject: RE: PS Green School Package (HEPA Vacuums)
Attachments: Fwd: K - POD

Hi ,

Yes, these vacuums have been delivered. Please see Attached POD. Item#

Thanks

Furniture & Equipment Coordinator
NYC School Construction Authority
30-30 Thomson Avenue
Long Island City, New York 11101
O. (718) 8 | C.
@NYCSCA.org

From: < @nycsca.org>
Sent: Tuesday, March 9, 2021 9:09 AM
To: < @nycsca.org>
Cc: < @NYCSCA.ORG>; < @nycsca.org>; < @nycsca.org>
Subject: FW: PS7 Green School Package (HEPA Vacuums)

Ms. ,
In regards to #3 below,
Where the HEPA Vacuums turn over to the Custodian staff at K, if so, is it possible to get a confirmation email?
A&E is the process of finalizing the **Green School Package** and this is one of the requirements.

From: < @nycsca.org>
Sent: Monday, March 8, 2021 11:05 PM
To: < @nycsca.org>
Cc: < @nycsca.org>
Subject: RE:

Alton:

Following is the information I need for the GSG Construction Report:

1. Photograph of Recycling Bins in the cafeteria and the installed Recycling Signs that are associated with them

2. Copy of signed receipt from the custodian for spare filters provided (quantities and types) as per Bulletin 13 for the Air Handling Units – Specification Sections 15993 and 15935
3. Confirm with F&E if HEPA Vacuums were provided to the School Custodian. If yes, ask F&E to send an email to confirm.

Let me know if you have questions or need clarification.

Sincerely,

C

Design Project Manager
NYC School Construction Authority
(p)
(c)

Shipment Confirmation

Phone
Fax

07:10 09/01/20 MD
14:06 08/31/20 AI

BR/WHSE USER REPRINT
01/01 JB 1

Order #__ B/O Rel

S O T L O D	N.Y.C. SCHOOL CONSTRUCTION 30-30 THOMSON AVENUE AUTHORITY-IDCNY CENTER 1 LONG ISLAND CITY NY 11101	S H I P T O	PS K ATT:

Tel 718- **Fax** 718-

ORDER DATE	CUSTOMER NUMBER	CUSTOMER P/O NUMBER	TERMS CODE	TAX CODE	SHIP VIA	SALES PERSON	JOB ID/NAME
07/27/20							x

LN#	Q-ORD	UOM	Q-SHP	Q-B/O	PRODUCT	DESCRIPTION

***** Special Instructions *****
* *NY STATE CONTRACT PC67229* *
* ********** *
* DELIVER BET 8/24 & 9/7/20 *
* CONTACT: *
* OFFICE: *
* CEL: *
* EMAIL: @NYCSCA.ORG *
* TAG ALL BOXES WITH PO# AND *
* ATTN: (20K745) *
* CUSTODIAL EQUIPMENT *
* ********** *
* DEL FRIDAY 8/28 8AM-12 NOON *
* *
* CUSTODIAN *
****

1)	2	EA	2	0	PRO 107330	PROGEN 15 UPRIGHT W/ ONBOARD TOOLS, 50' CORD
						Serial # [redacted]
						Serial # [redacted]
2)	2	EA	2	0	PRO105895	SUPER COACH W/105890 ATTCH KIT
						Ser# 20228 RIO 0821 / 2022RIO 6822
3)	1	EA	1	0	VIP 50000545	CEX410 9 GAL PROFESSIONAL CARPET EXTRACTOR
						Serial # US00355923M [redacted]
4)	2	EA	2	0	VIP VN2015	VENOM 20 1.5HP W/PAD DRIVER 175 RPM
						Serial # US037249JUNM [redacted]
						Serial # US037252JUNM [redacted]
5)	2	EA	2	0	VIP VN1500	VENOM 20 BURNISHER 1500RPM

Continue...

Shipment Confirmation

Phone 718-786-8787
Fax 718-786-7222

07:10 09/01/20 MD
14:06 08/31/20 AI

Order # B/O 00 Rel 08

BR/WHSE USER REPRINT
01/01 JB 1

S O T L O D	N.Y.C. SCHOOL CONSTRUCTION 30-30 THOMSON AVENUE AUTHORITY-IDCNY CENTER 1 LONG ISLAND CITY NY 11101	S H T I O P	PS K ATT: BROOKLYN NY 11220

Tel 718 Fax 718

ORDER DATE	CUSTOMER NUMBER	CUSTOMER P/O NUMBER	TERMS CODE	TAX CODE	SHIP VIA	SALES PERSON	JOB ID/NAME
07/27/20			Net 30			14	x

LN#	Q-ORD	UOM	Q-SHP	Q-B/O	PRODUCT	DESCRIPTION
					Serial #	
					Serial #	
6)	1	EA	1	0		WET/DRY VAC 18GAL WITH TOOLS
					Serial #	
7)	1	EA	1	0		SPEED AM2400D
					Serial #	
8)	1	EA	1	0		FLOOR TOOL KIT
9)	1	EA	1	0		FLEXIBILITY TROLLEY KIT WITH TRANSPORT WHEELS AND RETRACTABLE HANDLE
10)	1	EA	1	0		500 PSI W/TOOLS NO TOUCH CLEANING SYSTEM 17 GAL
					Serial #	
11)	1	EA	1	0		AUTO SCRUBBER
					Serial #	
12)	8	EA	8	0	200-3X10	3'X10'

TOT: 23 23 0

Received in Good Condition:

X:

Ship Date 09/01/20 Loc
Volume _____ Picked by MD
Weight _____
Pieces _____ Packed by _____
Pallet _____
Pkgs _____ Checked by _____
Ctns _____
Lnth _____ Loaded by _____

Design Certification Form, Construction Phase

Design Team Certification Form
CONSTRUCTION PHASE

School Construction Authority
NYC Green Schools Rating System - 2016

Architect:	Firm Name:		Date:	
	Address:		Project Name:	
			Project Address:	
	Telephone:			
	email:			
			LLW #:	
			Design #:	
Engineer:	Firm Name:		BCC #:	
	Address:		Design Manager:	
			Constr Specialist:	
	Telephone:		BCC Reviewer:	
	email:		Commissioning:	

Architect's Statement - Construction Phase:

As Architect of Record, I verify that the statements initialed by me on the following pages are accurate to the best of my knowledge.

Narratives for all credits have been provided and updated as necessary with the final design submission.

Calculations have been provided, according to the credit requirements, and updated as necessary with the final design submission.

Architect's Name Here	Architect's Title Here	Architect's Signature Here	Date
Name	Title	Signature	Date

Engineer's Statement - Construction Phase:

As Engineer of Record, I verify that the statements initialed by me on the following pages are accurate to the best of my knowledge.

Narratives for all credits have been provided and updated as necessary with the final design submission.

Calculations have been provided, according to the credit requirements, and updated as necessary with the final design submission.

Engineer's Name Here	Engineer's Title Here	Engineer's Signature Here	Date
Name	Title	Signature	Date

Architects Initials	Engineers Initials	

Site

AA BB

S1.6P - Environmental Site Assessment

A Phase I Environmental Site Assessment as described in ASTM E1527-05 was conducted. If the Phase I indicated contamination, then a Phase II ESA was conducted and the site was remediated as required.

N/A N/A

S1.7 - Brownfield Redevelopment

This project site was determined to be contaminated by the method indicated below. A narrative summary of the site contamination and remediation approach have been provided. The information below is based on documentation provided by the SCA to the design team.

☐ ASTM E 1903-97 Phase II Environmental Site Assessment.

OR

☐ Defined as a Brownfield by a New York City, New York State, or federal government agency.

OR

☐ Reg. 40CFR Part 763

OR

☐ Local Voluntary Cleanup Program (Such as with NYC DEC).

N/A N/A

S3.1 - Site Development, Protect or Restore Habitat

The project site was previously developed or graded and 50% of the site area was restored using native and/or adaptive platings.

The total site area excluding the buildng footprint) is: _____

The total site area that has been restored using native and/or adaptive plantings is: _____

The percentage of site that has been restored using native and/or adaptive plantings is: _____

Water

There are no construction Phase Water Section credits.

Energy

AA BB

E2.2 - Enhanced Refrigerant Management

X The Refrigerant Impact Form submitted during design matches the refrigerant capacity selected during construction

OR

☐ The Refrigerant Impact Form was changed and re-submitted as part of the GSG Construction Submission due to different refrigerant capacity selected during construction

AA BB

E3.1R - Measurement & Verification

This project implements a Measurement & Verification (M&V) Plan consistent with IPMVP Option C - Whole Building Comparison.

AA BB

E5.1R - Green Power

The SCA has provided documentation to the Design Team that they have applied for and have received approval for obtaining the required 35% building electrical consumption through Green Power credits.

Materials

N/A N/A **M1.2 & M1.3- Building Reuse, Maintain Existing Walls, Floor & Roof**

On this project, the following percentage of the existing floor, wall and roof structure of the existing building were reused. I have provided a completed copy of the Building Reuse Form.

☐ 75%

M1.2, M1.3, M1.4- These credits are feasible for modernizations, renovations of leased spaces and for additions fitting the size criteria outlined in the credit requirements of GSG 2016.

☐ 95%

N/A N/A **M1.4 - Building Reuse, Maintain Interior Non-Structural Elements**

On this project, 50% of the existing interior non-structural elements from the existing building were reused. I have provided a completed copy of the Building Reuse Form.

AA BB **M2.1R - Recycled Content**

The materials for this project include 10% or more recycled content. A Recycled Content Summary Form has been submitted as documentation.

X 20%

AA BB **M2.3 - Regional Materials**

The materials for this project include 10% or more regional materials (extracted, processed and manufactured). A Regional Materials Summary Form has been submitted as documentation.

X 20%

Indoor Environmental Quality

AA BB **Q3.1R - Low Emitting Materials, Adhesives and Sealants**

All adhesives and sealants used on the interior of the building comply with the VOC limits and requirements. A Low Emitting Materials - Summary Form has been submitted as documentation.

AA BB **Q3.2R - Low Emitting Materials, Paints and Coatings**

All paints and coatings used on the interior of the building comply with the VOC limits and requirements as established by Green Seal Standard GS-11 Paints, and Green Seal Standard GC-03, Anti-Corrosive Paints, and South Coast Air Quality Management District. A Low Emitting Materials - Summary Form has been submitted as documentation.

AA BB **Q3.3R - Low Emitting Materials, Flooring Systems**

All carpet and carpet cushions for the project meet the testing and product requirements of the Carpet and Rug Institute's Green Label Plus program. A Low Emitting Materials - Summary Form has been submitted as documentation.

AA BB **Q3.4R - Low-Emitting Materials, Composite Wood & Agrifiber Products**

All composite wood and agrifiber products used on the interior of the bulding (defined as inside the weatherproofing system) contain no added urea-formaldehyde resins. Laminating adhesives used to fabricate on-site and shop-appled composite wood and agrifiber assemblies contain no added urea-formaldehyde resins.

Additional Credits

N/A N/A **A4.1 - Low Emitting Materials, Ceiling and Wall Systems**

All ceiling and wall systems meet the requirements. A Low Emitting Materials-Summary Form has been submitted as documentation.

N/A N/A **A5.1 - The School Building as a Teaching Tool**

Built-in architectural features or signage have been developed to communicate the sustainable features of this project. These are supported by educational program, literature or curriculum related to the sustainable features of this project. A descriptive narrative has been submitted as documentation.

Contractor Certification Form

Contractor's Certification Form
CONSTRUCTION PHASE

School Construction Authority
NYC Green Schools Rating System - 2016

Contractor: Firm Name: _____ Date: _____
Address: _____ Project Name: _____
_____ Project Address: _____
Telephone: _____
email: _____

Contractor's Statement

I verify that the sustainable requirements summarized below have been achieved.

Contractor Name Here	Contractor Title Here	Contractor Signature Here	Date
Name	Title	Signature	Date

Contractor's Initials

Site

CC

S 1.1R - Construction Activity Pollution Prevention

X An erosion and sedimentation control plan complying with NYS DEC SPDES General Permit for Construction Activity, including measures from NYS DEC Standards and Specifications for Erosion and Sediment Control in accordance with the specification Section 02200, was implemented.

OR

☐ Project is completely interior and a dust control plan has been submitted in accordance with specification Section S01900 and such plan was implemented.

Materials

CC

M 1.5R - Construction Waste Management 50%

The project implements a waste management plan that diverts 50% of the construction waste away from landfills and incinerators. A Construction Waste Management Plan and calculation tables have been submitted as documentation in accordance with Specification Section S01524.

CC

M 1.6R - Construction Waste Management 75%

The project implements a waste management plan that diverts 75% of the construction waste away from landfills and incinerators. A Construction Waste Management Plan and calculation tables have been submitted as documentation in accordance with Specification Section S01524.

CC

M 1.7 - Construction Waste Management 95%

The project implements a waste management plan that diverts 95% of the construction waste away from landfills and incinerators. A Construction Waste Management Plan and calculation tables have been submitted as documentation in accordance with Specification Section S01524.

Indoor Environmental Quality

CC

Q2.1R - Construction IAQ Management Plan, During Construction

X A copy of the Indoor Air Quality (IAQ) Management Plan for construction developed and implemented for this project has been submitted as documentation in accordance with Specification Section 01550.

X Permanently installed air handling equipment **was not** used during construction.

☐ Permanently installed air handling equipment **was** used during construction. The chart below has been completed for filtration media used during construction.

Merv Rating	Filter Manufacturer	Filter Model #	Location of Installed Filter	Filter Replaced immediately prior to Occupancy (YES or NO)

X I have provided six photos showing IAQ practices which were used during the building construction from SMACNA IAQ Guideline for Occupied Buildings under Construction, 1995, Chapter 3. Each photo is labelled indicating which SMACNA IAQ practice is shown.

☐ For Phased Occupancy or Modernization Projects, a letter has been submitted stating that carpeting in occupied areas was HEPA vacuumed daily.

CC

Q2.2R - Construction IAQ, Management Plan, Before Occupancy

A building flush-out was carried out per the specification requirements in Specification Section 01550.

X I have provided a narrative describing the project's specific flush-out procedures including data regarding temperature, airflow, filters used during flush-out and duration of the flush out.

AND

X I have provided a construction schedule showing building flush-out as documentation.