APPENDIX C

PCB BULK PRODUCT & REMEDIATION WASTE REMEDIAL PLAN

PCB BULK PRODUCT & REMEDIATION WASTE REMEDIAL PLAN

FOR THE

NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
PILOT STUDY TO
ADDRESS PCB CAULK IN NEW YORK CITY SCHOOL BUILDINGS

EPA CONSENT AGREEMENT AND FINAL ORDER
DOCKET NUMBER: TSCA-02-2010-9201

SCA LLW NO.: 060390
SCA CONTRACT NO.: C000013444
SCA JOB NO.: 42432

TRC ENGINEERS, INC. PROJECT NO.: 229002.0000.0000

September 23, 2016

Prepared by:

TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, NY 10018
Phone: (212) 221-7822
Fax: (212) 221-7840

Prepared for:

NYC SCA
30-30 Thomson Avenue
Long Island City, NY 11101-3045
Phone: (718) 472-8501
Fax: (718) 472-8297

REMEDIATION PLAN FOR PCB BULK PRODUCT & REMEDIATION WASTE IDENTIFIED AT PILOT STUDY AND OTHER SELECT SCHOOL BUILDINGS

1.01 DESCRIPTION OF WORK

A. The purpose of this remediation plan is to address the removal of polychlorinated biphenyls (PCBs) bulk product waste (BPW), which consists primarily of PCB-containing caulk, that was previously identified at the five Pilot Study School Buildings – P.S. 178X/176, P.S. 199M, P.S. 309K, P.S. 183Q and P.S. 3R (Pilot Study Schools), as well as other select school buildings. Also included is the limited removal of PCB remediation waste (RW) at P.S. 178X, P.S. 183Q, and P.S. 199M, which consists of PCB-contaminated replacement caulk from select locations, and higher PCB concentration door paint at P.S. 199M.

B. On January 19, 2010, The City of New York (the City) and the New York City School Construction Authority (SCA) reached an agreement regarding the assessment and remediation of PCB Caulk in public school buildings with the United States Environmental Protection Agency (USEPA), Region 2 (Consent Agreement and Final Order (CAFO), Docket Number TSCA-02-2010-9201). As a result of the agreement, the City has undertaken a comprehensive Pilot Study to evaluate the possible presence of PCB-containing caulk and preferred remedial remedies.

1. PCB-containing caulk was identified in some interior and exterior locations during the Pilot Study in concentrations ≥ 50 parts per million (ppm) at the Pilot Study Schools.

2. The Pilot Study evaluated five (5) remedial alternatives with respect to interior caulk: 1) Patch and repair of caulk at P.S. 178X/176; 2) Encapsulation of caulk at P.S. 309K; 3) Removal of all caulk and replacement with new non PCB-containing caulk at P.S. 199M; 4) Window frame and caulk removal and replacement with new window frames and non PCB-containing caulk at P.S. 183Q, and; 5) Best Management Practices at all Pilot School Buildings.

3. The NYCSCA has agreed to remove the PCB BPW that was identified during sampling at the Pilot Study Schools, to comply with Toxic Substances Control Act (TSCA) requirements. The specific locations where PCB BPW caulk and glaze materials were confirmed by actual sampling and laboratory analysis to be greater than or equal to 50 ppm, and was not removed during the Pilot Study, will be removed, the underlying porous substrate will be encapsulated, and new, non PCB-containing caulk/glaze will be installed. Additionally, the NYCSCA has agreed to remove any PCB BPW caulk materials that have previously been identified by sampling and analysis as part of the Department of School Facilities (DSF) PCB Caulk Best Management Practices (BMP) program.

4. The NYCSCA has agreed to remove all identified PCB RW at P.S. 178X and P.S. 183Q, and any PCB RW containing greater than 500 ppm PCBs that was identified at P.S. 199M. Materials to be removed include various interior and exterior caulks, as well as paint on three (3) metals doors in P.S. 199M. This paint will be removed from the non-

porous metal surfaces, the surfaces will be visually inspected and the doors repainted. Alternatively, the three doors may be removed and replaced.

C. Removal of PCB-containing caulk, glaze and door paint will be performed in target locations, as identified in Tables 1 through 18 (see below). The interior and exterior areas of the buildings where PCB-containing caulk is to be removed and replaced with non PCB-containing caulk includes display case caulk, window caulk, door frame caulk, wall expansion joint caulk, and fire stop caulk, as listed in the tables below. The replacement procedure will consist of the removal of the identified PCB-containing caulk, and encapsulation of the substrate prior to application of new non PCB-containing replacement caulk.

Table 1: P.S. 3R (PCB BPW - Exterior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Door Frame Caulk (Gray)	Exterior (1)	East Elevation	190
Wall Expansion Joint Caulk (Beige)	Exterior (1)	North Courtyard	15
		Total	**205**

Table 2a: P.S. 178X/176 (PCB BPW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Display Case Caulk	1	SW Lobby - 103	16
Display Case Glaze*	1	SW Lobby - 103	16
Window Frame Caulk	1	Room 139	30
Window Sill Caulk	1	Room 182	24
Window Frame Caulk	1	Room 182	30
Door Frame Caulk	1	Rooms 110, 118, 122, 154 and 165	70
Window Frame Caulk	2	Room 223	33
Window Frame Caulk	2	Room 239	18

Table 2a: P.S. 178X/176 (PCB BPW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Window Frame Caulk	2	Room 258	28
AC Caulk	2	Room 258	48
Window Frame Caulk	3	Room 304	36
Window Frame Caulk	3	Room 322A	33
Window Frame Caulk	3	Room 337A	28
Window Frame Caulk	3	Room 357	28
Window Sill Caulk	3	Rooms 305, 321B, 336A, 339 and 356	192
		Total	**630**

** - material also contains asbestos*

Table 2b: P.S. 178X/176 (PCB RW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Air Handler Caulk	Basement	Boiler room	40
Rolling Gate Caulk	1	Kitchen	6
Window Frame Caulk	1	Room 142	20
Ceiling Caulk	1	Rooms 110, 118 and 154	60
Window Frame Caulk	2	Room 204	25
Window Sill Caulk	3	Room 307	29
Window Frame Caulk	3	Room 322B	10
Window Sill Caulk	3	Room 323	25
		Total	**215**

Table 2c: P.S. 178X/176 (PCB BPW – Exterior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Perimeter/Expansion Joint Caulk (Beige)	Exterior	East Elevation	25**
Perimeter/Expansion Joint Caulk (Beige)	Exterior	North Elevation	25**
Window Caulk (Black)*	Exterior	North Elevation	5
Perimeter/Expansion Joint Caulk (Beige)	Exterior	South Elevation	25**
Window Caulk (Black)	Exterior	South Elevation	60
		Total	**140**

** - material also contains asbestos*

*** - removal limited to 12.5 linear feet of caulk on both sides of where the sample was collected, and not the entire contiguous run of caulk.*

Table 3a: P.S. 183Q (PCB BPW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Fire Stop Caulk (Red)	1	Stairwell B, 1st Floor Landing by Exit Doors	4
Fire Stop Caulk (Red)	2	Stairwell D, 2nd Floor Landing by Exit Doors	4
Fire Stop Caulk (Red)	3	Stairwell D, 3rd Floor Landing by Exit Doors	4
		Total	**12**

Table 3b: P.S. 183Q (PCB RW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Expansion Seam Caulk	1	North and South Corridors	80
Door Frame Caulk	1	Stairwell A	56

Table 3b: P.S. 183Q (PCB RW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Window Frame Caulk	1	Cafeteria	120
Display Case Caulk	2	South and West Corridors	60
Door Frame Caulk	2	Rooms 207 and 245, Stairwell B	84
Window Units Caulk (Black)	2 and 3	Stairwell D, 2nd and 3rd Floor Landings	80
Display Case Caulk	3	East and West Corridors	60
Door Frame Caulk	3	Room 309, and Stairwells C and D	126
		Total	**666**

Table 3c: P.S. 183Q (PCB BPW – Exterior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Brick Masonry Caulk (White)	Exterior	East Elevation	25
Door Frame Caulk (Red/Brown)	Exterior	East Elevation	30
Door Transom Caulk (Gray)	Exterior	East Elevation	25
Brick Masonry Caulk (White)	Exterior	North Elevation	25
Vent Caulk (Gray)	Exterior	North Elevation	15
Door Frame Caulk (Red/Brown)	Exterior	North Elevation	22
Door Frame Caulk (Gray)	Exterior	North Elevation	22

Table 3c: P.S. 183Q (PCB BPW – Exterior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Door Transom Caulk (Gray)	Exterior	West Elevation	8
Door Frame Caulk (Red/Brown)	Exterior	West Elevation	22
Door Frame Caulk (Gray)	Exterior	West Elevation	22
Door Frame Caulk (Gray)	Exterior	Northwest Lightroof	14
Door Frame Caulk (Gray)	Exterior	Southwest Lightroof	14
		Total	**244**

Table 4a: P.S. 199M (PCB RW - Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet – except where noted)**
Blue Exit Doors (Orange undercoating) - PCB Containing Paint	1	Stairwell A (2 doors) and Stairwell B (1 door)	168 SF
Door Frame Caulk	1	Cafeteria	36
Metal Panel Caulk above Fire Extinguisher	1	Cafeteria	5
Door Frame Caulk	1	1st Floor Corridors	42
Gate Runner Caulk	1	1st Floor Corridors	64
Metal Panel Caulk above Fire Extinguisher	1	1st Floor Corridors	10
Door Frame Caulk	2	Gymnasium	28
Rolling Gate Caulk	2	Gymnasium	28
Door Frame Caulk	2	2nd Floor Corridors	42
Gate Runner Caulk	2	2nd Floor Corridors	56

Table 4a: P.S. 199M (PCB RW - Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet – except where noted)**
Metal Panel Caulk above Fire Extinguisher	2	2nd Floor Corridors	10
Door Frame Caulk	3	Main Entrance Stairwell	56
Door Frame Caulk	3	3rd Floor North Corridor	56
Wall Panel Caulk	3	3rd Floor North Corridor	5
Metal Panel Caulk above Fire Extinguisher	3	3rd Floor North Corridor	15
Metal Panel Caulk above Fire Extinguisher	3	3rd Floor South Corridor	5
		Total	**626**

Table 4b: P.S. 199M (PCB BPW – Exterior)			
Bulk Material Description	**Floor**	**Location**	**Approximate Quantity (linear feet)**
Tan Masonry (Perimeter) Caulk	Exterior	South Elevation	31

Table 4c: P.S. 199M (PCB RW - Exterior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Exterior Door Frame Caulk – Light Blue	Exterior	North, East and West Elevations	60
Exterior Door Frame Caulk – Dark Brown	Exterior	North and South Elevations	49
Louvre Caulk	Exterior	East Elevation	28
		Total	**137**

Table 5: P.S. 309K (PCB BPW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Brown Door Frame Caulk	Basement	Vestibule 2	24
Door Frame Caulk	1	Cafeteria	15
Bay Door Frame Caulk	1	Cafeteria	16
Column/Wall Seam Caulk	1	Cafeteria	24
Door Frame Caulk	1	S. Exit Lobby E (22 LF), SW Vestibule (26 LF), Kitchen Exit Vestibule (30 LF), Room 141/143 Vestibule (24 LF), and East Vestibule (15 LF)	117
Door Frame Caulk	1	Gymnasium	15
Door Frame Caulk (Red/Brown)	1	North Stairs	22
Door Frame Caulk (Gray)	1	North Stairs	32
Door Frame Caulk	1	West Corridor	30
Display Case Caulk	1	West Corridor	20
Former Gate Runner Caulk	1	West Corridor	48
Door Frame Caulk (Beige)	2	North Stairs	22
Door Frame Caulk (Gray)	2	Room 219 (15 LF), NE Center Corridor (60 LF), W. Corridor – 200 (15 LF), E. Corridor – Stair A (22 LF), E. Corridor – 249 (15 LF)	127
Door Frame Caulk (Gray)	3	Corridor – 320 (15 LF), Corridor – 341 (15 LF), E. Corridor Door (60 LF), Corridor – 309 (15 LF), Corridor – Stair G (22 LF)	127
		Total	**639**

TABLE 6: P.S. 87M (PCB BPW – Exterior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity(linear feet)**
Exterior Panel Caulk	1	Exit #2	64

TABLE 7: Michael J. Petrides Ed Complex – R880 (PCB BPW – Exterior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Exterior Expansion Joint Caulk (Top and Bottom Layers)	Exterior	Ramp to Boiler Room	6

TABLE 8: Benjamin Cardozo High School - Q415 (PCB BPW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Door Frame Caulking	Basement	Corridor, outside rooms B66 and B67, and Exits 13 and 14	77
Door Frame Caulking	1	Staircase C	56
Door Frame Caulking	2	Corridor, outside rooms 204 and 210	28
Door Frame Caulking	3	Staircase A	56
		Total	**217**

TABLE 9: J.H.S. 302K (PCB BPW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Door Frame Caulking	1	Exits A, B, C and D (Both sides of the doors)	196

TABLE 10: P.S. 45K (PCB BPW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Door Frame Caulking	1	Staircase A & B, Custodian's office, Auditorium lobby, Main office, and cross corridor doors.	299
Door Frame Caulking	2	Staircase A, B, and D, cross corridor doors, classrooms 201, 217, 219, 221A, 223A, 237 and 239	356
		Total	**655**

TABLE 11: P.S. 149K (PCB BPW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Door Frame Caulking	Basement	Exits 4 and 7	33

TABLE 12: P.S. 299K (PCB BPW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Door Frame Caulking	1	Slop Sink (Room 111)	14

TABLE 13: P.S. 304K (PCB BPW - Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Door Frame Caulking	1	Corridor outside rooms 100, 101, 102, 103, 104 and 105	98

TABLE 14: J.H.S. 117K (PCB BPW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Expansion Joint Caulking*	Basement	Cafeteria Doors by Exit #10 (Expansion Joint)	50

** - material also contains asbestos*

TABLE 15: P.S. 145M (PCB BPW – Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Door Frame Caulking	1	Room 136 (interior vestibule door); Room 139 (exterior door)	62

TABLE 16: P.S. 30Q (PCB BPW - Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Display Case Caulking	1	Corridor (1st Floor)	48
Display Case Caulking	2	Corridor (2nd Floor)	48
Display Case Caulking	3	Corridor (3rd Floor)	48
		Total	**144**

TABLE 17: H.S. of Graphic Communication Arts - M625 (PCB BPW - Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Glass Block Caulking	5	Rooms 540, 543, 546 and 549	1,000

TABLE 18: P.S. 197Q (PCB BPW - Interior)			
Bulk Material Description	**Floor**	**Room/ Location**	**Approximate Quantity (linear feet)**
Door Frame Caulking	Basement	Room B18	14
Door Frame Caulking	2	Rooms 203 and 215	28
Door Frame Caulking	3	Rooms 307 and 321	28
		Total	**70**

D. The Contractor shall provide all labor, equipment and materials complete for performance of the work. Work shall generally conform to NYCSCA Specification Section S01900 for Existing Premises Work, and be performed in accordance with this Scope of Work and NYCSCA Specification Section 02082 - PCB-Containing Caulk Removal Work.

E. The above identified caulking and glaze materials will be tested for asbestos and, if found to be asbestos-containing materials (ACM), in addition to following PCB-Caulk Removal procedures, removal shall also meet the requirements of NYCSCA Specification Section 02081, Asbestos Abatement. Any such materials shall be disposed of as ACM-containing PCB-BPW.

F. Scheduling for the implementation of the BPW Remedial Plan commenced in 2016, with the removal of identified BPW caulk at P.S. 87M, P.S. 145M, P.S. 149K and Michael J. Petrides Ed Complex (R080). The work is anticipated to be completed by the end of 2018.

1.02 REMOVAL OF PCB-CONTAINING CAULKING

A. Preparation of Work Area for Interior Material Removal.

1. Work Area Pre-cleaning Procedures: Prepare the work area as specified below:

   a. Shut down and isolate all HVAC equipment servicing the work areas. Install 6-mil polyethylene sheeting (poly) on all air returns and exhausts grilles.

   b. Any windows within the work areas shall be closed and any room air conditioners shall be turned off and sealed with poly.

2. Placement of dust control sheeting as specified below:

   a. All work involving disturbance of PCB-containing caulk shall be performed in accordance with the "Lead in Construction" dust control requirements of 29 CFR 1926.62, or approved equivalent.

   b. Dust isolation barriers shall be installed at each entry/exit to the work area. The isolation barrier should consist of a dust flap made of 6-mil (minimum) fire-retardant

poly. Three layers of poly shall be placed on the floor of each room, extending approximately four (4) feet out from the windows, display cases or other interior caulk remedial work. An entry/exit vestibule shall be installed outside, and connected to the work area, isolated by a dust flap. The entry and exit to the vestibule shall also be equipped with a dust flap. The vestibule should be large enough to fit personnel and equipment for cleaning the workers' outer clothing, personal protective equipment (PPE) and other equipment. Cover framework completely with fire-retardant poly, 6-mil minimum thickness, with flap for access. Install additional two layers of poly at the access flaps into and out of the vestibule between work area and other areas. Tape junctures to obtain a dust-tight barrier. Construct in a manner to provide easy assembly and disassembly.

c. All movable objects within the immediate work area must be moved outside the dust barrier.

d. Fixed closets, cabinets, refrigerators, etc. which remain in the work area shall be completely covered with one layer of 6-mil fire-retardant poly, sealed on all edges to prevent the penetration of dust. As an alternative for very large fixed objects, the contractor may seal with duct tape (or equivalent) at all doors, drawers and other openings where dust may penetrate. Light fixtures in the work area that can be safely sealed using the above method shall be sealed to minimize cleaning requirements.

e. Floor surfaces along entire length of the wall in front of the doors, windows or other areas where caulk activities are occurring shall be covered with 6-mil poly the entire width of the work area from the wall/window/door to the barrier. A slip resistant surface, such as construction paper, may be placed over the polyethylene sheeting.

f. The Contractor shall inspect adjacent non-work areas and ensure that these areas are free of any dust or debris generated by the work.

g. Provide HEPA air filtration device(s) (Honeywell Model 50250, or approved equivalent) within the work area(s); as well as outside and immediately adjacent to the dust barrier vestibule within four (4) feet of the access flap for all indoor work areas and operate it continuously during the performance of the work, and afterward during cleanup for dust control, in accordance with the manufacturer's recommendations. Substitutions must be approved in writing by the SCA Industrial and Environmental Hygiene (IEH) Department.

h. Areas of work shall be regulated to prevent unauthorized visitors and a curtained doorway shall be established at the entrance of each work area. Access to the work areas will be restricted by posting temporary barriers and signs which read "***WARNING: Authorized Personnel Only***" and "***No Eating, Drinking, or Smoking***" along with any other required signs (e.g., for ACM/Lead).

i. Dust control ("sticky") foot mats shall be placed outside each vestibule access flap to minimize the spread of dust and foot marks.

j. For spaces larger than a typical classroom, an alternative to sealing all fixed objects

inside the barrier may be proposed by providing a detailed description in a PCB Management Plan of the steps that will be taken to localize the work area for Authority approval.

k. Each time a worker or authorized visitor leaves the work area: they shall remove gross contamination from the outside of their protective clothing (Tyvek™ Suit) and from any equipment before leaving the work area. Workers shall then proceed to the vestibule and HEPA vacuum/wet wipe outer clothing and shoes (especially the soles), remove any disposable clothing/shoe covers (if used) and place in a waste bag.

B. Preparation of Work Area for Exterior Caulk Removal.

1. Work Area Pre-cleaning Procedures: Prepare the work area as specified below:

a. Shut down and isolate all HVAC equipment and install 6-mil poly on all outdoor air intakes located within 35 lateral feet of exterior work.

b. All windows shall be closed and all room air conditioners shall be closed and sealed with poly. This shall also be done for the two rooms on each side of the work and on all floors of the building.

2. Placement of dust control sheeting as specified below:

a. Prior to beginning any exterior caulk removal, 6-mil fire-retardant poly protection shall be placed on all grade areas, including under any scaffolding, to collect any dust and debris generated by the work. Poly shall extend to a distance of 15 feet from the building, and at least 15 feet laterally on each side of the work. Joints must be taped or otherwise secured to maintain coverage of the required areas and prevent damage to the poly from the effects of wind or rain.

b. Access to the lined work area (regulated area) shall be restricted by posting temporary barriers and signs which read "***WARNING: Authorized Personnel Only***" and "***No Eating, Drinking, or Smoking***" along with any other required signs (e.g., for ACM/Lead).

c. All waste and debris shall be removed from the top of the poly at the end of each shift, at a minimum, and before any high wind conditions occur.

C. All PCB-containing caulking removal shall be conducted utilizing dust control as follows:

1. After containment and work place isolation has been established, removal of PCB-containing caulking from building components listed in Tables 1 through 18, above, shall be performed in accordance with the following procedures:

a. All PCB-containing caulking removal shall be performed utilizing wet methods and manual removal techniques. Caulking to be removed shall be misted with amended water, scored with a razor/knife at the point of contact with the building or component, and manually extracted with a pick and/or other manual tools.

Mechanical cutting or grinding of caulking material is not permitted. Any alternative methods not meeting these requirements shall be demonstrated to the Authority to have equivalent dust control performance. Such alternate methods shall not be used without prior approval by the Authority.

b. Upon completion of caulk removal, the contractor shall thoroughly HEPA vacuum and wet wipe the surfaces from which the materials were removed.

c. All generated waste shall be removed from the work area on a regular basis and at the end of each work shift.

D. Encapsulate substrate (all materials) as specified below:

1. Once the caulk has been removed, and the substrate is visually confirmed to be clean, encapsulation of building substrate materials shall be conducted as follows:

a. The cleaned substrate surfaces (e.g., brick, concrete, steel, or other surfaces) to be encapsulated shall be prepared in accordance with the manufacturer's recommendations.

b. The cleaned substrate surfaces will be encapsulated with a commercially available epoxy-based coating (e.g., Sikagard® 62, or approved equivalent), in accordance with the manufacturer's recommendations.

c. Encapsulants shall be allowed to cure, in accordance with the manufacturer's recommendations, prior to re-caulking.

E. Re-caulk the encapsulated areas with Dow Corning 790 (or approved equivalent) in accordance with Section 07900 of NYCSCA Specifications.

1.03 REMOVAL OF PCB-CONTAINING PAINT

A. Either remove and dispose of the three painted doors identified on Table 4a, and replace with new doors of same fire rating, or remove the paint on those doors as specified below:

1. Remove paint by chemical stripping methods, subject to compliance with requirements and systems specified herein. Paint removal shall not be performed using chemical strippers containing methylene chloride or any other method deemed inappropriate or unsafe by the Authority.

2. The paint shall be removed and stripped down to bare substrate and inspected by the NYCSCA's Environmental Consultant. The door surfaces shall be cleaned to meet the criteria specified in Visual Standard No. 3, Commercial Blast Cleaned Surface Finish, of the National Association of Corrosion Engineers (NACE). The NYCSCA's Environmental Consultant shall verify compliance with standard No. 3 by visually inspecting all cleaned areas.

3. Paint removal methods shall be environmentally safe, and non-caustic, unless otherwise approved, in writing, by the Authority. Procedures shall be effective without causing

damage to the steel door or other substrates.

4. All work which disturbs painted surfaces containing lead shall be performed in accordance with the Occupational Safety and Health Administration (OSHA), 29 CFR 1926.62 (Lead in Construction Standard) and US Environmental Protection Agency's (USEPA) 40 CFR 745 regulation. The Contractor shall be familiar with the OSHA and USEPA regulations and their requirements.

5. All waste generated as part of the project, regardless of the lead content in the paint, shall be tested in accordance with the USEPA Resource Conservation and Recovery Act to determine the classification of the waste.

6. All waste shall be contained, collected and legally disposed of as specified in Section 1.04 Waste Handling.

7. Removal contractor shall be trained and certified by the manufacturer of the removal system and conform to a Written Compliance Program, as required by OSHA 29 CFR 1926.62 (Lead in Construction Standard), for all phases of the project.

8. All workers and supervisors involved in paint removal activities shall possess the required certifications as outlined in 40 CFR 745.

9. The surfaces on which paint removal activities are to take place may have a number of different existing coatings applied to the doors.

10. Paint Stripper: Chemical stripper test patches shall be applied by the Contractor and evaluated by the NYCSCA's Environmental Consultant in accordance with manufacturer's recommendations in order to determine the appropriate stripping compound and dwell time. Refer to the SDS for all applicable protection and disposal precautions. (NOTE: The Contractor shall use a proven and effective chemical stripper that is safe to workers, public and the environment.)

11. Manufacturers/Products:

    - AmeriStrip, manufactured by Safe Alternatives Corporation of America Inc., Newport, Vermont (800 258-5665).

    - Back to Nature 4-S, manufactured by Nation's Rent Inc., Brooklyn, NY (718) 387-4872.

    - Peel Away #7, manufactured by Dumond Chemicals, Inc., 104 Interchange Plaza, Suite 202, Monroe Twnsp, NJ 08831 (609) 655-7700

12. The removal methods of chemical stripping and hand tool scraping shall be completely covered in a washable construction tarp or 10-mil polyethylene sheeting. The covering need not be airtight; however it must be of adequate size and durability to completely enclose the work area and prevent the dispersal of any paint chips or dust during scraping activities.

13. Application of new paint, if required, shall be provided under Section 09900, PAINTING, and in accordance with paint manufacturers' recommended procedures.

14. General clean-up of the area, which includes the collection of all spent residues, cloth, and placement into proper drums for disposal as specified herein.

15. The Work performed shall comply with all applicable federal, state and local laws, rules, codes and regulations.

1.04 WASTE HANDLING

A. As the work progresses, remove waste containers from the work area and place in a secured and lockable trailer, dumpster, or other shipping container meeting DOT requirements for transport of PCB-containing waste. The hard top or tarp covered waste container shall be lined with two layers of fire retardant plastic. PCB-containing waste shall remain under the positive control of the Contractor and must never be left unattended in an area or on a vehicle where unauthorized persons could gain access.

B. All waste and debris shall be placed in covered or sealed containers to ensure that dust is not dispersed during transport Separate caulking debris and collected HEPA dust/debris containing caulking from other waste (e.g., poly) to minimize the amount of hazardous waste.

C. All wastewater shall be collected in appropriate containers and tested. If the testing shows levels of greater than 1 part per billion (ppb) PCBs, the wastewater shall not be discharged into the sewer system and the water shall be disposed of in accordance with TSCA Requirements for PCB Remediation Waste. Wastewater treatment solid wastes shall also be placed in appropriate hazardous waste containers.

D. All waste shall be disposed of in accordance with all applicable local, State and Federal regulations. Specifically, waste shall be treated as TSCA regulated PCB Bulk Product or PCB Remediation Waste as defined in Section 1.01 Paragraph C. In addition, where required, the specific waste streams shall be characterized, all laboratory analysis shall be conducted in an expeditious manner, with results not to exceed 72 hours turnaround.

E. All hazardous waste shall be disposed of using USEPA Generator ID# assigned to each of the schools.

F. Disposal Certificates

1. Contractor shall submit a letter from a permitted Hazardous Waste Facility, stating that the facility has agreed to accept the waste generated by the work; is authorized to accept the waste under the laws of the State of residence; has the required capacity to treat and dispose of the material; and shall provide or ensure the ultimate disposal method indicated on Uniform Hazardous Waste Manifest.

2. Contractor shall submit a Waste Transported Permit, confirming the requirements of 6 NYCRR Parts 371-376, to haul to the selected Waste Disposal Facility.

3. Contractor shall submit a statement from the selected Waste Disposal Facility that the

waste containers proposed for use are acceptable to the facility.

4. Contractor shall submit a copy of the Hazardous waste manifest signed by the transporter and the Treatment, Storage and Disposal (TSD) facility accepting the waste.

1.05 INSPECTIONS

A. Prior to removal of any PCB-containing caulk, the Contractor shall notify the Authority's Environmental Consultant and request a pre-removal inspection. Posting of warning signs, plasticizing of work area, and all other preparatory steps shall be taken prior to notification of the Authority's Environmental Consultant. The Contractor shall not begin PCB-containing caulk removal until the Authority's Environmental Consultant approves the work area preparation.

B. The Authority's Environmental Consultant shall conduct progress inspections during removal procedures.

C. After completion of the removal and cleaning of the work surfaces, a visual inspection shall be performed by the Contractor. If the removal and cleaning is approved by the Contractor's Supervisor, the Contractor shall then request a visual inspection in writing from the Authority's Environmental Consultant.

D. Visual Inspection: The surfaces from which caulking was removed shall be inspected visually by the Authority's Environmental Consultant, and/or the NYSCA designated representative, to ensure that no visible PCB containing materials are present. Surfaces will not be considered clean until they pass this visual inspection. No encapsulation of the substrate shall occur until the area has been inspected and approved by the Authority's Environmental Consultant.

E. If visible PCB-containing materials are evident through visual inspection, those locations shall be re-cleaned and subjected to re-inspection as indicated in Item 1.05 (C) and (D) above.

F. If visible PCB containing materials are not observed during the visual inspection, those locations shall be considered cleaned and approval shall be given to the Contractor to conduct final cleanup procedures.

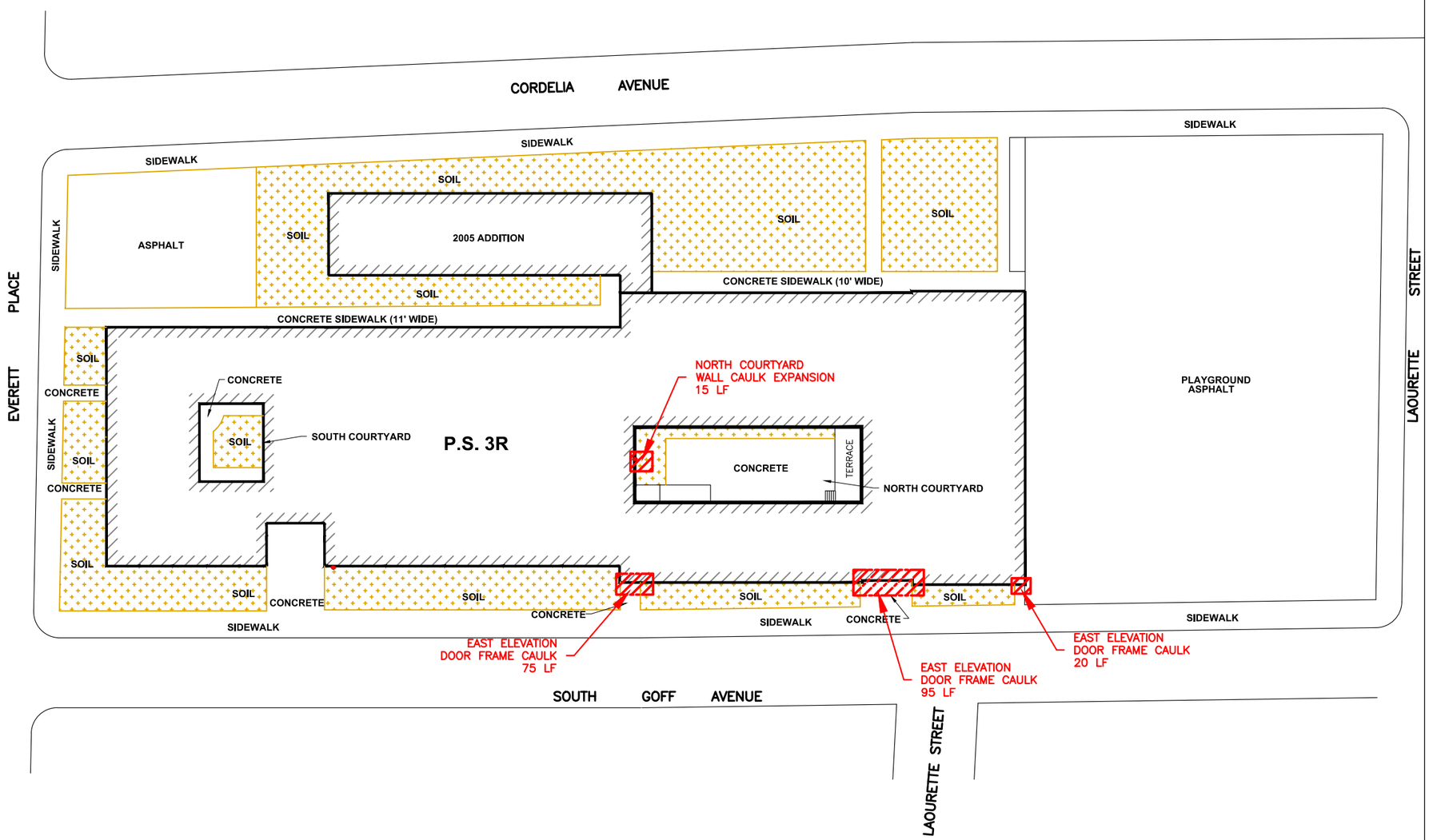
G. After removal of the completion of the final clean up procedures, a final close-out inspection shall be performed by the Contractor and the Authority's Environmental Consultant. If visible materials or debris are evident through visual inspection, those locations shall be re-cleaned and subjected to re-inspection as indicated in Item 1.05 (C) and (D) above.

H. Upon final acceptance and approval by the Authority's Environmental Consultant of the work area, the Contractor shall encapsulate the substrate and allow the surfaces to cure as specified by the manufacturer and approved by the Authority's Environmental Consultant. The re-caulking of the encapsulated surfaces/locations from which the PCB caulks were removed shall be performed in accordance with the manufacturer's specifications. The re-caulking shall be performed in a satisfactory manner and meet SCA requirements specified by the Authority's Environmental Consultant and School Building Manager.

1.06 ATTACHMENTS: INTERIOR AND EXTERIOR PCB BULK PRODUCT WASTE LOCATION PLANS

Figure 1A – P.S. 3R Exterior
Figure 2A – P.S. 178X/176 Basement
Figure 2B – P.S. 178X/176 First Floor
Figure 2C – P.S. 178X/176 Second Floor
Figure 2D – P.S. 178X/176 Third Floor
Figure 2E – P.S. 178X/176 Exterior North Elevation
Figure 2F – P.S. 178X/176 Exterior East Elevation
Figure 2G – P.S. 178X/176 Exterior South Elevation
Figure 3A – P.S. 183Q First Floor
Figure 3B – P.S. 183Q Second Floor
Figure 3C – P.S. 183Q Third Floor
Figure 3D – P.S. 183Q East Elevation
Figure 3E – P.S. 183Q North Elevation
Figure 3F – P.S. 183Q West Elevation
Figure 4A – P.S. 199M First Floor
Figure 4B – P.S. 199M Second Floor
Figure 4C – P.S. 199M Third Floor
Figure 4D – P.S. 199M Exterior North Elevation
Figure 4E – P.S. 199M Exterior East Elevation
Figure 4F – P.S. 199M Exterior South Elevation
Figure 4G – P.S. 199M Exterior West Elevation
Figure 5A – P.S. 309K Basement
Figure 5B – P.S. 309K First Floor
Figure 5C – P.S. 309K Second Floor
Figure 5D – P.S. 309K Third Floor
Figure 6A – P.S. 87M Exterior
Figure 7A – Michael J. Petrides Ed Complex (R880) Exterior
Figure 8A – Benjamin Cardozo High School (Q415) Basement
Figure 8B – Benjamin Cardozo High School (Q415) First Floor
Figure 8C – Benjamin Cardozo High School (Q415) Second Floor
Figure 8D – Benjamin Cardozo High School (Q415) Third Floor
Figure 9A – J.H.S. 302K Exterior
Figure 10A – P.S. 45K First Floor
Figure 10B – P.S. 45K Second Floor
Figure 11A – P.S. 149K – Basement
Figure 12A – P.S. 299K – First Floor
Figure 13A – P.S. 304K – First Floor
Figure 14A – J.H.S. 117K – Basement
Figure 15A – P.S. 145M First Floor
Figure 16A – P.S. 30Q First Floor
Figure 16B – P.S. 30Q Second Floor
Figure 16C – P.S. 30Q Third Floor
Figure 17A – H.S. of Graphic Communications Arts (M625) Fifth Floor
Figure 18A – P.S. 197Q Basement

Figure 18B – P.S. 197Q Second Floor
Figure 18C – P.S. 197Q Third Floor



LEGEND:

BUILDING FOOTPRINT

LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 1: P.S. 3R (PCB BPW - Exterior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Door Frame Caulk (Gray)	Exterior (1)	East Elevation	190
Wall Expansion Joint Caulk (Beige)	Exterior (1)	North Courtyard	15
		Total	205

NOTES:

1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

REVISIONS			
NO.	DESCRIPTION	BY	DATE

0 60' 120'

SCALE: 1" = 60'-0"

PAPER SIZE: 11" x 17"

TRC

1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

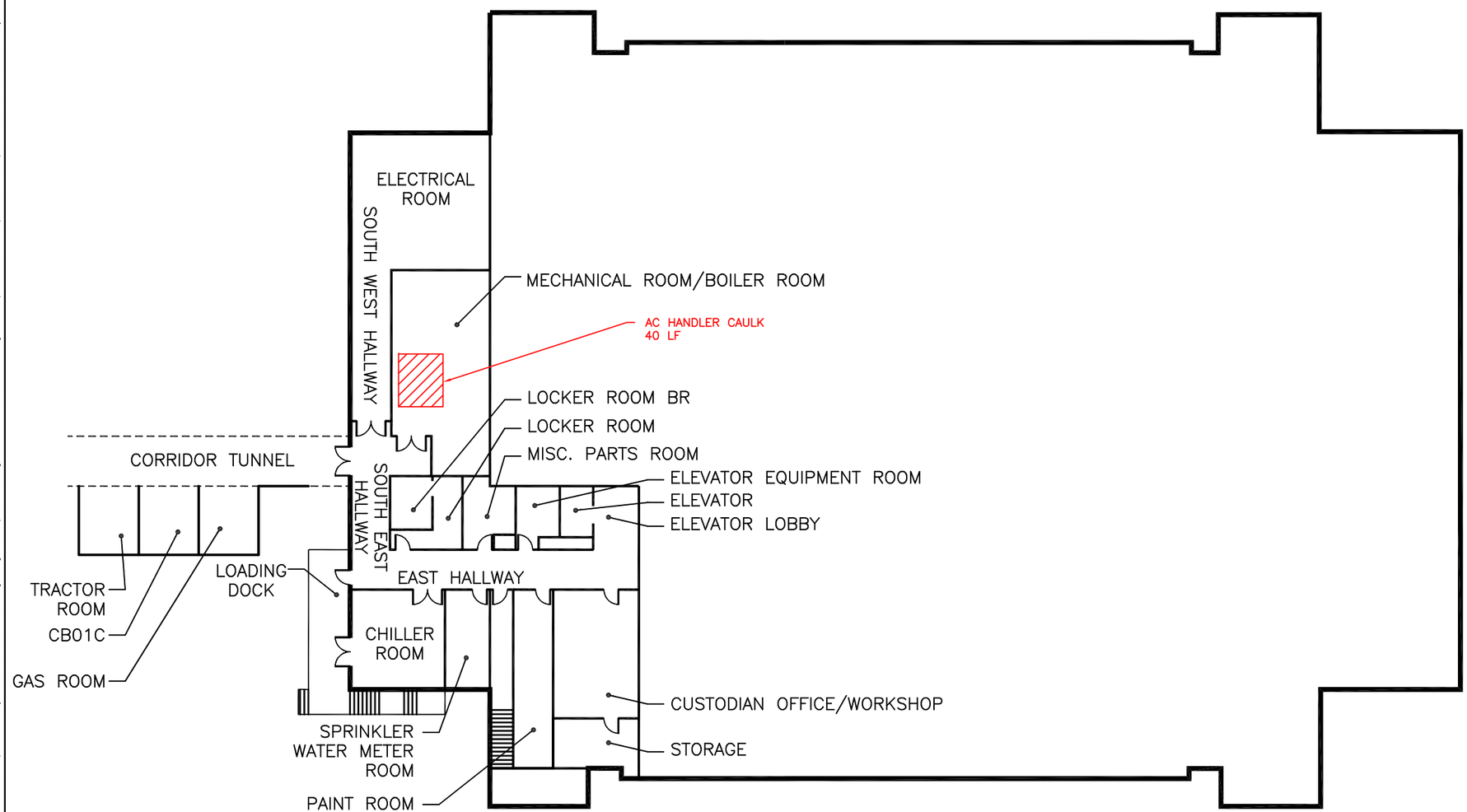
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: AS SHOWN
PROJECT NUMBER: 229002.0000.0000

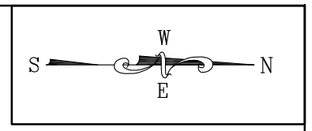
PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 3R - THE MARGARET GIOIOSA SCHOOL - 80 SOUTH GOFF AVENUE
STATEN ISLAND, NEW YORK 10309

DRAWING TITLE:
P.S. 3R FIRST FLOOR/EXTERIOR
PCB BULK PRODUCT WASTE REMEDIAL PLAN

FIGURE
1A

Path\Name: I:\Projects\NYCSCA Contract C000013444\229002 - City-wide PCB Caulk Pilot Prog Design Work (Was 195168.1)\PCB Bulk Product Waste Re1A.dwg - Date\Time: Tue, 20 Sep 2016 - 11:12am - User Name: cstout - Layout Tab: 11X17





LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 2b: P.S. 178X/176 (PCB RW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Air Handler Caulk	Basement	Boiler room	40
Rolling Gate Caulk	1	Kitchen	6
Window Frame Caulk	1	Room 142	20
Ceiling Caulk	1	Rooms 110, 118 and 154	60
Window Frame Caulk	2	Room 204	25
Window Sill Caulk	3	Room 307	29
Window Frame Caulk	3	Room 322B	10
Window Sill Caulk	3	Room 323	25
		Total	**215**

NOTE:

1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

REVISIONS			
NO.	DESCRIPTION	BY	DATE

0 25' 50'

SCALE: 1" = 25'-0"
PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

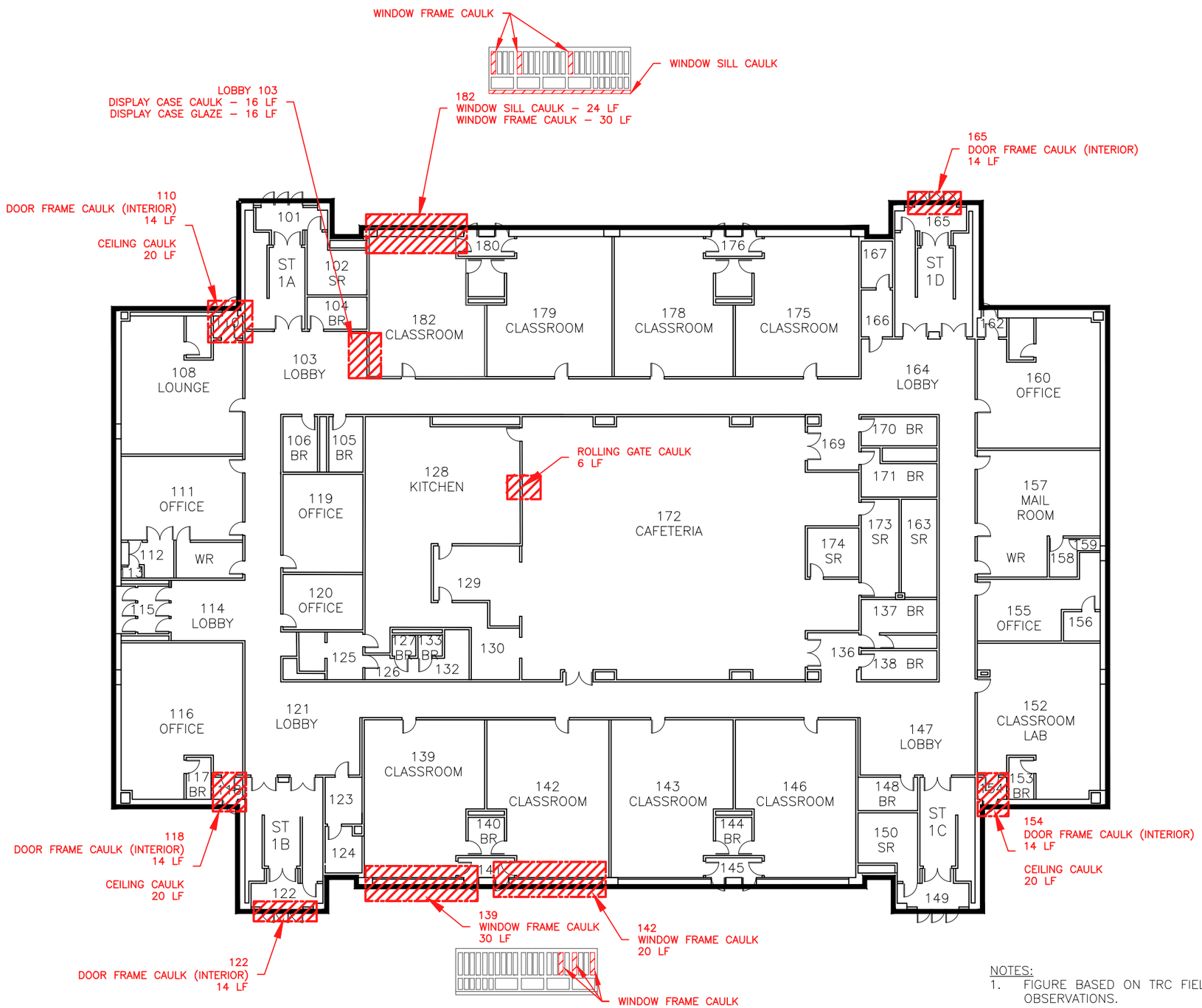
DESIGNED BY: HD
DRAWN BY: HD/CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: AS SHOWN
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 178X - DR. SELMAN WAKSMAN SCHOOL AND P.S. 176 - CHARTER SCHOOL
850 BAYCHESTER AVENUE
BRONX, NEW YORK 10475

DRAWING TITLE:
PUBLIC SCHOOL 178X/176 BASEMENT
PCB BULK PRODUCT AND REMEDIATION WASTE REMEDIAL PLAN

FIGURE
2A

Path\Name: \\NAPA-NYC\Environmental\Shared\Projects\NYCSCA Contract C000013444\229002 – City-wide PCB Caulk Pilot Prog Design Work (Was 19516Figure 2A – 178X Basement.dwg – Date\Time: Mon, 19 Sep 2016 – 2:07pm – User Name: cstout – Layout Tab: 11X17 (BASEMENT)



NOTES:
1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 2a: P.S. 178X/176 (PCB BPW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Display Case Caulk	1	SW Lobby - 103	16
Display Case Glaze*	1	SW Lobby - 103	16
Window Frame Caulk	1	Room 139	30
Window Sill Caulk	1	Room 182	24
Window Frame Caulk	1	Room 182	30
Door Frame Caulk	1	Rooms 110, 118, 122, 154 and 165	70
Window Frame Caulk	2	Room 223	33
Window Frame Caulk	2	Room 239	18
Window Frame Caulk	2	Room 258	28
AC Caulk	2	Room 258	48
Window Frame Caulk	3	Room 304	36
Window Frame Caulk	3	Room 322A	33
Window Frame Caulk	3	Room 337A	28
Window Frame Caulk	3	Room 357	28
Window Sill Caulk	3	Rooms 305, 321B, 336A, 339 and 356	192
		Total	630

** - material also contains asbestos*

Table 2b: P.S. 178X/176 (PCB RW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Air Handler Caulk	Basement	Boiler room	40
Rolling Gate Caulk	1	Kitchen	6
Window Frame Caulk	1	Room 142	20
Ceiling Caulk	1	Rooms 110, 118 and 154	60
Window Frame Caulk	2	Room 204	25
Window Sill Caulk	3	Room 307	29
Window Frame Caulk	3	Room 322B	10
Window Sill Caulk	3	Room 323	25
		Total	215

REVISIONS

NO.	DESCRIPTION	BY	DATE

0 25' 50'
SCALE: 1" = 25'-0"
PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

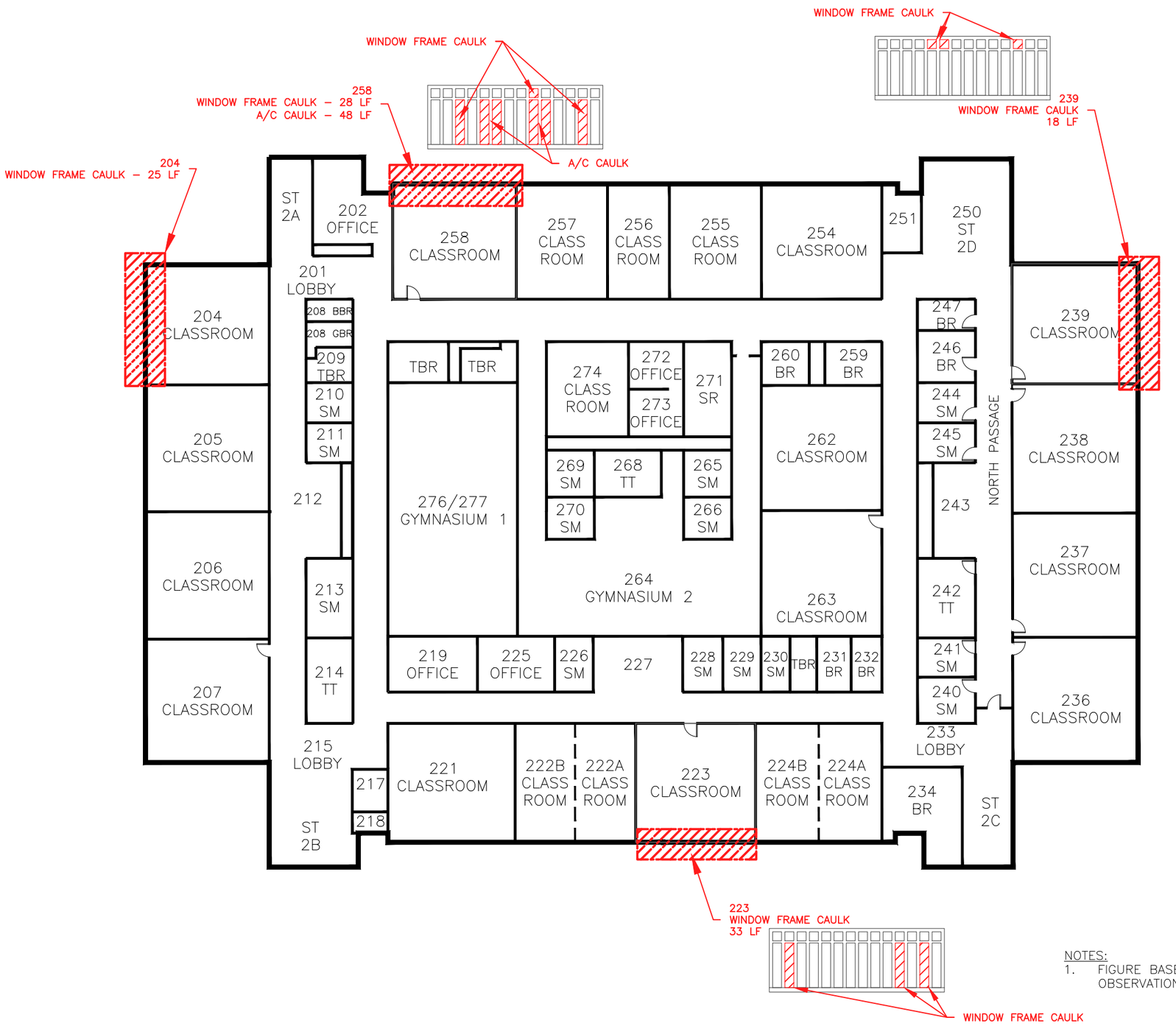
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: AS SHOWN
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 178X - DR. SELMAN WAKSMAN SCHOOL AND P.S. 176 - CHARTER SCHOOL
850 BAYCHESTER AVENUE
BRONX, NEW YORK 10475

DRAWING TITLE:
P.S.178X/176 FIRST FLOOR
PCB BULK PRODUCT AND REMEDIATION WASTE REMEDIAL PLAN

FIGURE
2B

Path\Name: \\NTAPA-NYC\Environmental\Shared\Projects\NYCSCA Contract C000013444\229002 - City-wide PCB Caulk Pilot Prog Design Work (Was 19516Figure 2B-D School 178x.dwg - Date\Time: Tue, 20 Sep 2016 - 10:02am - User Name: cstout - Layout Tab: 11X17 (1ST FL)



NOTES:
1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

S W E N

LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 2a: P.S. 178X/176 (PCB BPW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Display Case Caulk	1	SW Lobby - 103	16
Display Case Glaze*	1	SW Lobby - 103	16
Window Frame Caulk	1	Room 139	30
Window Sill Caulk	1	Room 182	24
Window Frame Caulk	1	Room 182	30
Door Frame Caulk	1	Rooms 110, 118, 122, 154 and 165	70
Window Frame Caulk	2	Room 223	33
Window Frame Caulk	2	Room 239	18
Window Frame Caulk	2	Room 258	28
AC Caulk	2	Room 258	48
Window Frame Caulk	3	Room 304	36
Window Frame Caulk	3	Room 322A	33
Window Frame Caulk	3	Room 337A	28
Window Frame Caulk	3	Room 357	28
Window Sill Caulk	3	Rooms 305, 321B, 336A, 339 and 356	192
		Total	630

*- *material also contains asbestos*

Table 2b: P.S. 178X/176 (PCB RW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Air Handler Caulk	Basement	Boiler room	40
Rolling Gate Caulk	1	Kitchen	6
Window Frame Caulk	1	Room 142	20
Ceiling Caulk	1	Rooms 110, 118 and 154	60
Window Frame Caulk	2	Room 204	25
Window Sill Caulk	3	Room 307	29
Window Frame Caulk	3	Room 322B	10
Window Sill Caulk	3	Room 323	25
		Total	215

REVISIONS

NO.	DESCRIPTION	BY	DATE

0 25' 50'
SCALE: 1" = 25'-0"
PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

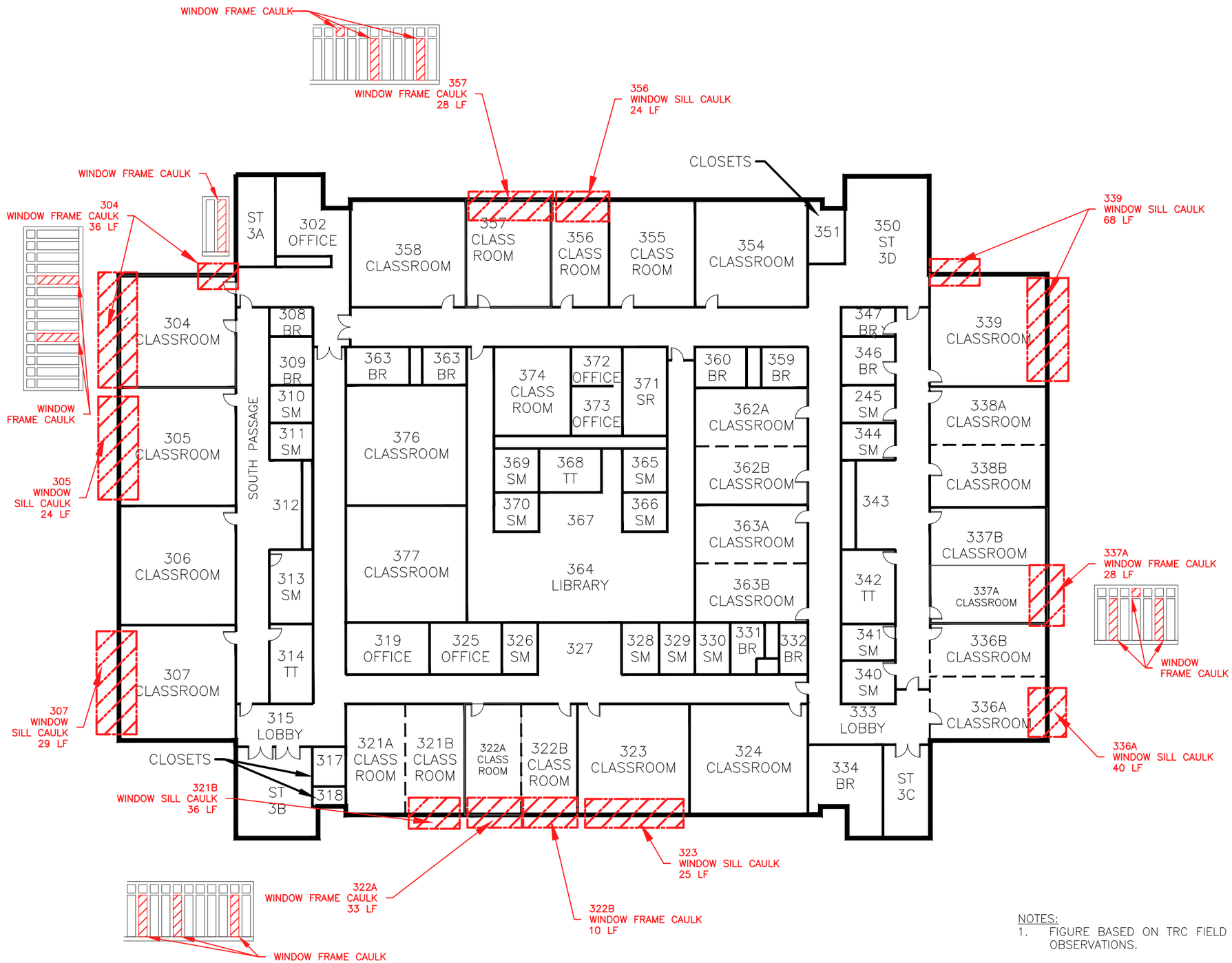
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: AS SHOWN
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 178X - DR. SELMAN WAKSMAN SCHOOL AND P.S. 176 - CHARTER SCHOOL
850 BAYCHESTER AVENUE
BRONX, NEW YORK 10475

DRAWING TITLE:
P.S. 178X/176 SECOND FLOOR
PCB BULK PRODUCT AND REMEDIATION WASTE REMEDIAL PLAN

FIGURE
2C

Path\Name: \\NTAPA-NYC\Environmental\Shared\Projects\NYCSCA Contract C000013444\229002 - City-wide PCB Caulk Pilot Prog Design Work (Was 19516Figure 2B-D School 178x.dwg - Date\Time: Tue, 20 Sep 2016 - 10:03am - User Name: cstout - Layout Tab: 11X17 (2ND FL.)



NOTES:
1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

S W E N

LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 2a: P.S. 178X/176 (PCB BPW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Display Case Caulk	1	SW Lobby - 103	16
Display Case Glaze*	1	SW Lobby - 103	16
Window Frame Caulk	1	Room 139	30
Window Sill Caulk	1	Room 182	24
Window Frame Caulk	1	Room 182	30
Door Frame Caulk	1	Rooms 110, 118, 122, 154 and 165	70
Window Frame Caulk	2	Room 223	33
Window Frame Caulk	2	Room 239	18
Window Frame Caulk	2	Room 258	28
AC Caulk	2	Room 258	48
Window Frame Caulk	3	Room 304	36
Window Frame Caulk	3	Room 322A	33
Window Frame Caulk	3	Room 337A	28
Window Frame Caulk	3	Room 357	28
Window Sill Caulk	3	Rooms 305, 321B, 336A, 339 and 356	192
		Total	630

*- *material also contains asbestos*

Table 2b: P.S. 178X/176 (PCB RW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Air Handler Caulk	Basement	Boiler room	40
Rolling Gate Caulk	1	Kitchen	6
Window Frame Caulk	1	Room 142	20
Ceiling Caulk	1	Rooms 110, 118 and 154	60
Window Frame Caulk	2	Room 204	25
Window Sill Caulk	3	Room 307	29
Window Frame Caulk	3	Room 322B	10
Window Sill Caulk	3	Room 323	25
		Total	215

REVISIONS

NO.	DESCRIPTION	BY	DATE

0 25' 50'
SCALE: 1" = 25'-0"
PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

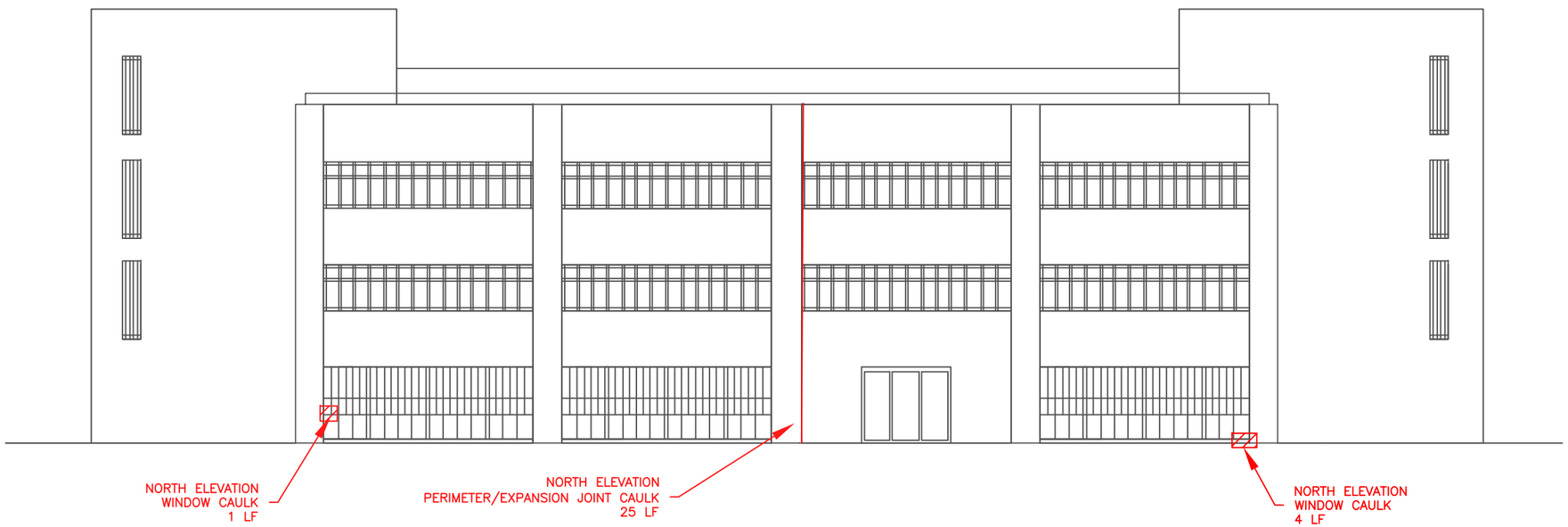
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: AS SHOWN
PROJECT NUMBER: 229002.0000.0000

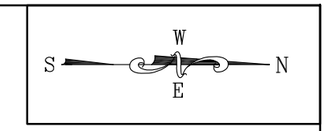
PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 178X - DR. SELMAN WAKSMAN SCHOOL AND P.S. 176 - CHARTER SCHOOL
850 BAYCHESTER AVENUE
BRONX, NEW YORK 10475

DRAWING TITLE:
P.S. 178X/176 THIRD FLOOR
PCB BULK PRODUCT AND REMEDIATION WASTE REMEDIAL PLAN

FIGURE
2D

Path\Name: \\NTAPA-NYC\Environmental\Shared\Projects\NYCSCA Contract C000013444\229002 - City-wide PCB Caulk Pilot Prog Design Work (Was 19516Figure 2B-D School 178x.dwg - Date\Time: Tue, 20 Sep 2016 - 10:06am - User Name: cstout - Layout Tab: 11X17 (3RD FL.)





LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF PERIMETER CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 2c: P.S. 178X/176 (PCB BPW – Exterior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Perimeter/Expansion Joint Caulk (Beige)	Exterior	East Elevation	25**
Perimeter/Expansion Joint Caulk (Beige)	Exterior	North Elevation	25**
Window Caulk (Black)*	Exterior	North Elevation	5
Perimeter/Expansion Joint Caulk (Beige)	Exterior	South Elevation	25**
Window Caulk (Black)	Exterior	South Elevation	60
		Total	**140**

* - Material also contains asbestos

** - Removal limited to 12.5 linear feet of caulk on both sides of where the sample was collected, and not the entire contiguous run of caulk.

REVISIONS

NO.	DESCRIPTION	BY	DATE

0 15' 30'

SCALE: 1" = 15'-0"

PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

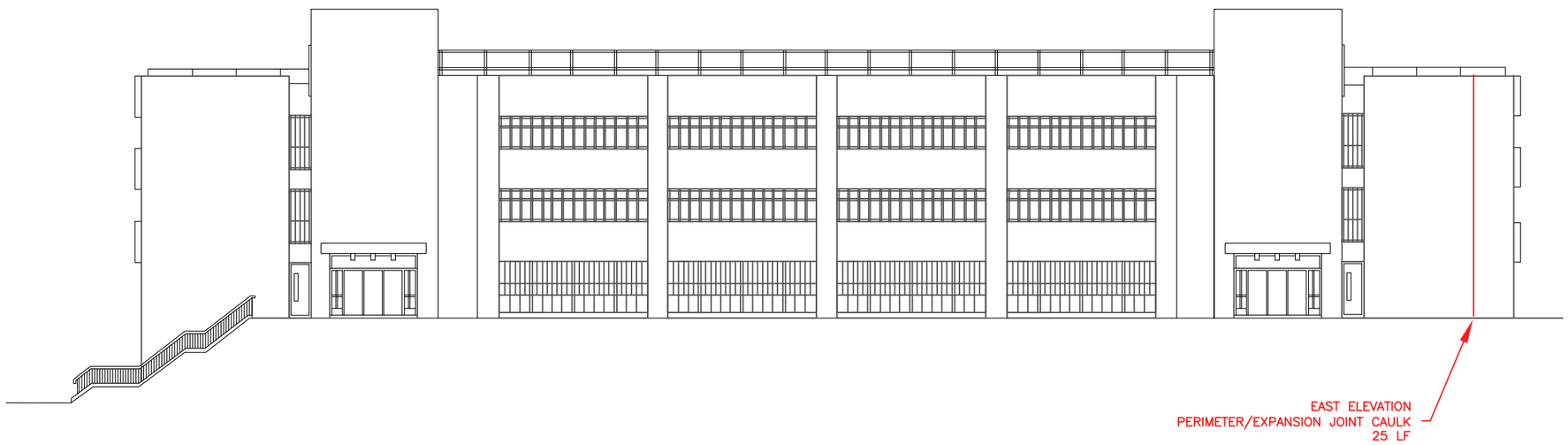
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: 1" = 15'-0"
PROJECT NUMBER: 229002.0000.0000

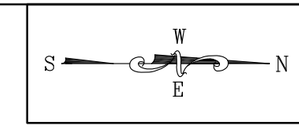
PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 178X-DR. SELMAN WAKSMAN SCHOOL AND P.S. 176-CHARTER SCHOOL
850 BAYCHESTER AVENUE
BRONX, NEW YORK 10475

DRAWING TITLE:
P.S. 178X/176 NORTH ELEVATION
PCB BULK PRODUCT AND REMEDIATION WASTE REMEDIAL PLAN

FIGURE
2E

Path\Name: \\NTAPA-NYC\Environmental\Shared\Projects\NYCSCA Contract C000013444\229002 -City-wide PCB Caulk Pilot Prog Design Work (Was 19516Figure 2E-G 178x Exterior.dwg – Date\Time: Tue, 20 Sep 2016 – 10:13am – User Name: cstout – Layout Tab: EXTERIOR CAULK – NORTH ELEVATION





LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF PERIMETER CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 2c: P.S. 178X/176 (PCB BPW – Exterior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Perimeter/Expansion Joint Caulk (Beige)	Exterior	East Elevation	25**
Perimeter/Expansion Joint Caulk (Beige)	Exterior	North Elevation	25**
Window Caulk (Black)*	Exterior	North Elevation	5
Perimeter/Expansion Joint Caulk (Beige)	Exterior	South Elevation	25**
Window Caulk (Black)	Exterior	South Elevation	60
		Total	**140**

* - Material also contains asbestos

** - Removal limited to 12.5 linear feet of caulk on both sides of where the sample was collected, and not the entire contiguous run of caulk.

REVISIONS

NO.	DESCRIPTION	BY	DATE

0 25' 50'

SCALE: 1" = 25'-0"

PAPER SIZE: 11" x 17"

TRC

1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

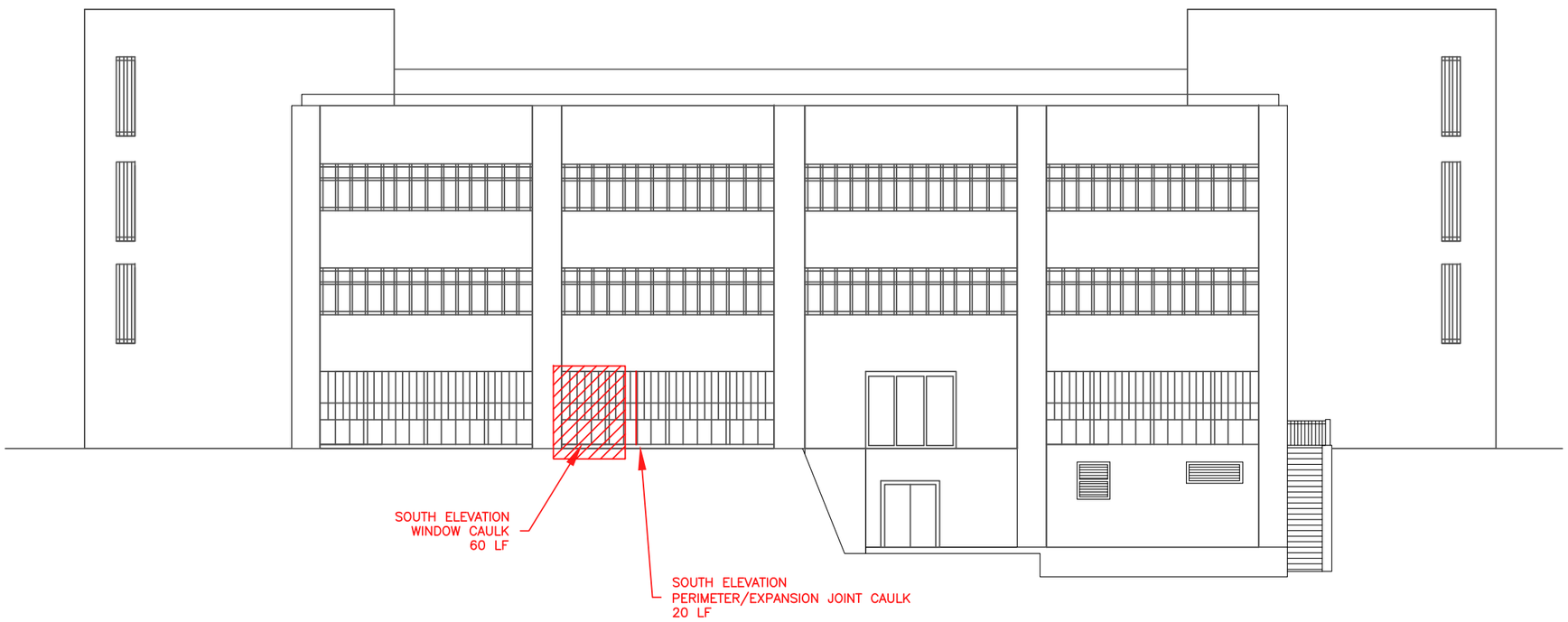
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: 1" = 25'-0"
PROJECT NUMBER: 229002.0000.0000

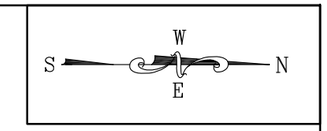
PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 178X - DR. SELMAN WAKSMAN SCHOOL AND P.S. 176 - CHARTER SCHOOL
850 BAYCHESTER AVENUE
BRONX, NEW YORK 10475

DRAWING TITLE:
P.S. 178X/176 EAST ELEVATION
PCB BULK PRODUCT AND REMEDIATION WASTE REMEDIAL PLAN

FIGURE
2F

Path\Name: \\NYAPA-NYC\Environmental\Shared\Projects\NYCSCA Contract C000013444\229002 -City-wide PCB Caulk Pilot Prog Design Work (Was 19516Figure 2E-G 178x Exterior.dwg – Date\Time: Tue, 20 Sep 2016 – 10:14am – User Name: cstout – Layout Tab: EXTERIOR CAULK – EASTT ELEVATION (





LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF PERIMETER CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 2c: P.S. 178X/176 (PCB BPW – Exterior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Perimeter/Expansion Joint Caulk (Beige)	Exterior	East Elevation	25**
Perimeter/Expansion Joint Caulk (Beige)	Exterior	North Elevation	25**
Window Caulk (Black)*	Exterior	North Elevation	5
Perimeter/Expansion Joint Caulk (Beige)	Exterior	South Elevation	25**
Window Caulk (Black)	Exterior	South Elevation	60
		Total	**140**

* - Material also contains asbestos

** - Removal limited to 12.5 linear feet of caulk on both sides of where the sample was collected, and not the entire contiguous run of caulk.

REVISIONS

NO.	DESCRIPTION	BY	DATE

0 15' 30'

SCALE: 1" = 15'-0"

PAPER SIZE: 11" x 17"

TRC

1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

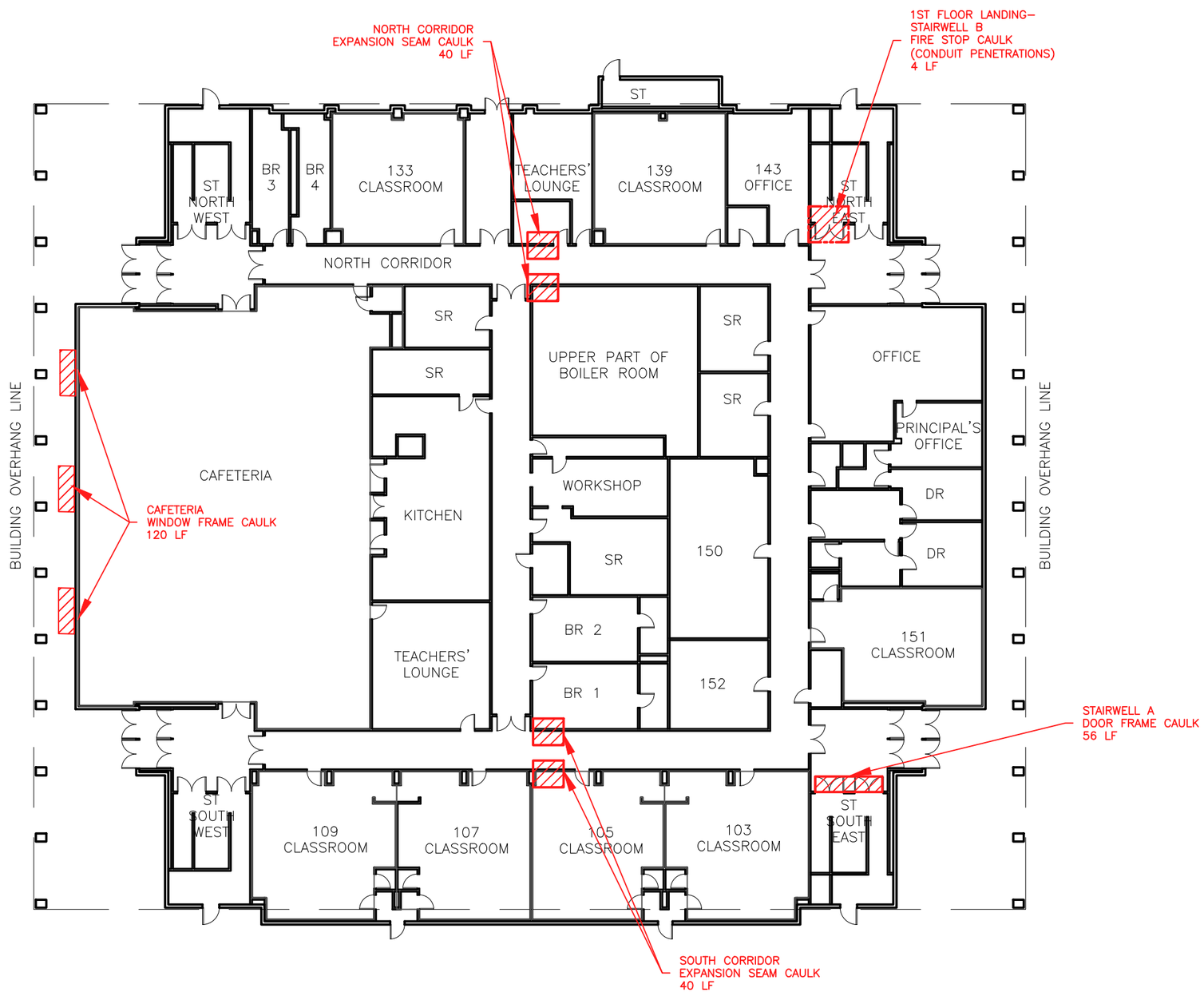
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: 1" = 15'-0"
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 178X - DR. SELMAN WAKSMAN SCHOOL AND P.S. 176 - CHARTER SCHOOL
850 BAYCHESTER AVENUE
BRONX, NEW YORK 10475

DRAWING TITLE:
P.S. 178X/176 SOUTH ELEVATION
PCB BULK PRODUCT AND REMEDIATION WASTE REMEDIAL PLAN

FIGURE
2G

Path\Name: \\MTAPA-NYC\Environmental\Shared\Projects\NYCSCA Contract C000013444\229002 -City-wide PCB Caulk Pilot Prog Design Work (Was 19516Figure 2E-G 178x Exterior.dwg – Date\Time: Tue, 20 Sep 2016 – 10:16am – User Name: cstout – Layout Tab: EXTERIOR CAULK – SOUTH ELEVATION



LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 3a: P.S. 183Q (PCB BPW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Fire Stop Caulk (Red)	1	Stairwell B, 1st Floor Landing by Exit Doors	4
Fire Stop Caulk (Red)	2	Stairwell D, 2nd Floor Landing by Exit Doors	4
Fire Stop Caulk (Red)	3	Stairwell D, 3rd Floor Landing by Exit Doors	4
		Total	**12**

Table 3b: P.S. 183Q (PCB RW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Expansion Seam Caulk	1	North and South Corridors	80
Door Frame Caulk	1	Stairwell A	56
Window Frame Caulk	1	Cafeteria	120
Display Case Caulk	2	South and West Corridors	60
Door Frame Caulk	2	Rooms 207 and 245, Stairwell B	84
Window Units Caulk (Black)	2 and 3	Stairwell D, 2nd and 3rd Floor Landings	80
Display Case Caulk	3	East and West Corridors	60
Door Frame Caulk	3	Room 309, and Stairwells C and D	126
		Total	**666**

NOTES:

1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

REVISIONS				
NO.	DESCRIPTION	BY	DATE	

HORIZONTAL

VERTICAL

0 25' 50'

SCALE: 1" = 25'-0"

PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

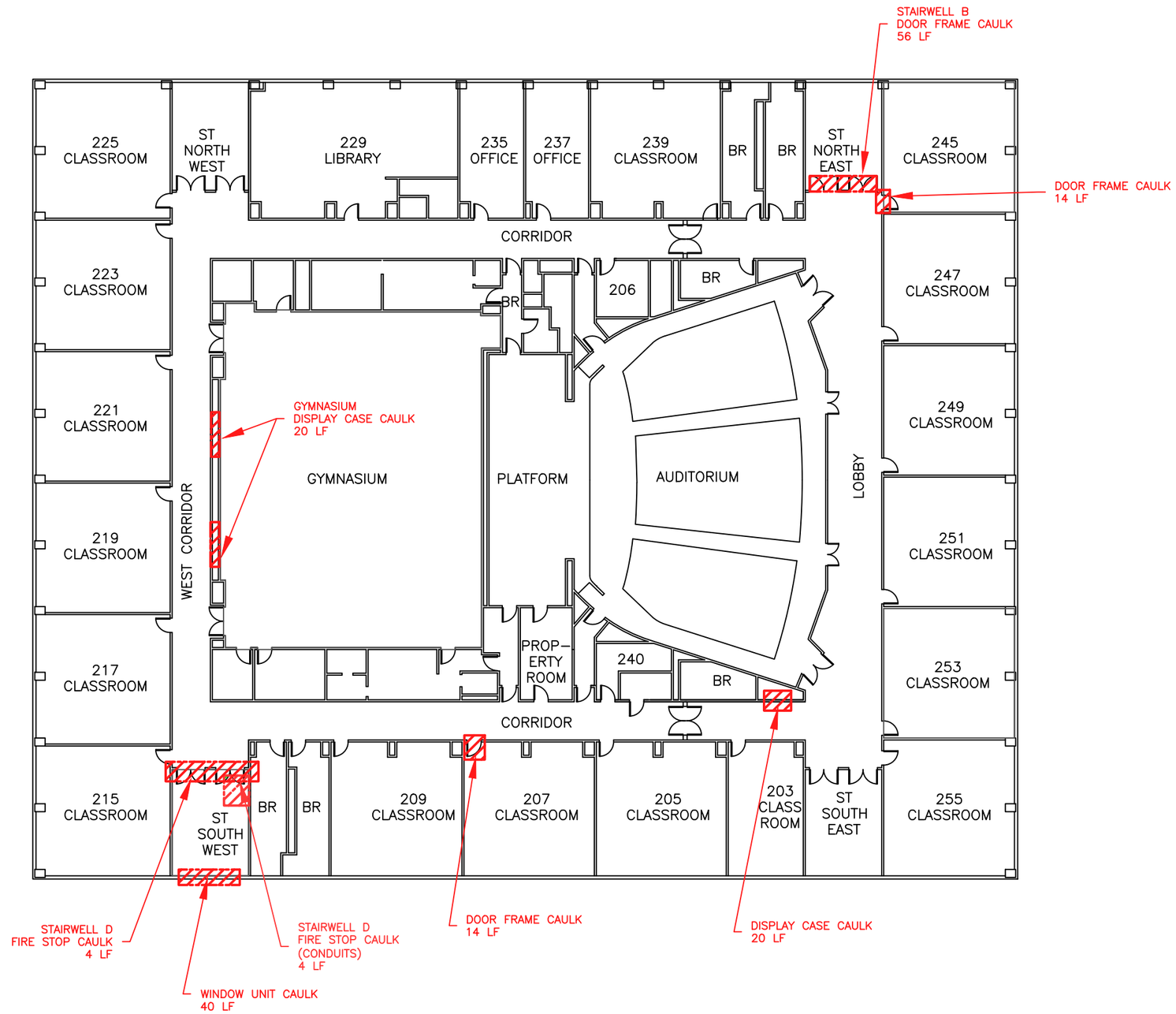
DESIGNED BY: JO
DRAWN BY: CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: AS SHOWN
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 183Q - DR . RICHARD R. GREEN - 2-45 BEACH 79 STREET
QUEENS, NEW YORK 11693

DRAWING TITLE:
P.S. 183Q FIRST FLOOR
PCB BULK PRODUCT & REMEDIATION WASTE REMEDIAL PLAN

FIGURE
3A

Path\Name: I:\Projects\NYCSCA Contract C000013444\229002 –City-wide PCB Caulk Pilot Prog Design Work (Was 195168.1)\PCB Bulk Product Waste ReFigure 3A-C (9.19.16).dwg – Date\Time: Mon, 19 Sep 2016 – 3:08pm – User Name: cstout – Layout Tab: 11X17 (1ST FL.)



LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 3a: P.S. 183Q (PCB BPW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Fire Stop Caulk (Red)	1	Stairwell B, 1st Floor Landing by Exit Doors	4
Fire Stop Caulk (Red)	2	Stairwell D, 2nd Floor Landing by Exit Doors	4
Fire Stop Caulk (Red)	3	Stairwell D, 3rd Floor Landing by Exit Doors	4
		Total	**12**

Table 3b: P.S. 183Q (PCB RW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Expansion Seam Caulk	1	North and South Corridors	80
Door Frame Caulk	1	Stairwell A	56
Window Frame Caulk	1	Cafeteria	120
Display Case Caulk	2	South and West Corridors	60
Door Frame Caulk	2	Rooms 207 and 245, Stairwell B	84
Window Units Caulk (Black)	2 and 3	Stairwell D, 2nd and 3rd Floor Landings	80
Display Case Caulk	3	East and West Corridors	60
Door Frame Caulk	3	Room 309, and Stairwells C and D	126
		Total	**666**

NOTES:

1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

REVISIONS

NO.	DESCRIPTION	BY	DATE

HORIZONTAL
VERTICAL

0 25' 50'
SCALE: 1" = 25'-0"
PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

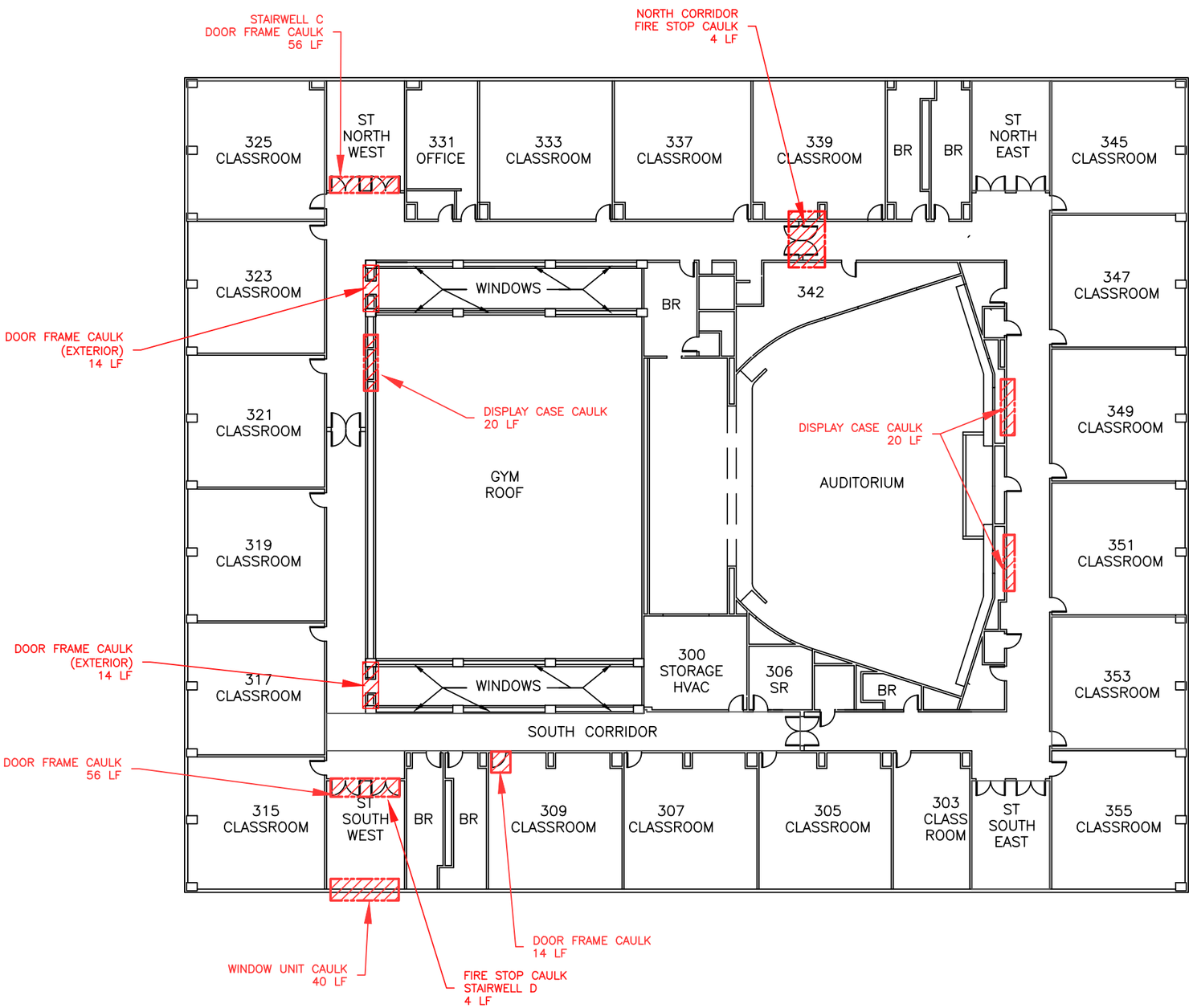
DESIGNED BY: JO
DRAWN BY: CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: AS SHOWN
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 183Q - DR . RICHARD R. GREEN - 2-45 BEACH 79 STREET
QUEENS, NEW YORK 11693

DRAWING TITLE:
P.S. 183Q SECOND FLOOR
PCB BULK PRODUCT & REMEDIATION WASTE REMEDIAL PLAN

FIGURE
3B

Path\Name: I:\Projects\NYCSCA Contract C000013444\229002 - City-wide PCB Caulk Pilot Prog Design Work (Was 195168.1)\PCB Bulk Product Waste ReFigure 3A-C (9.19.16).dwg - Date\Time: Mon, 19 Sep 2016 - 3:12pm - User Name: cstout - Layout Tab: 11X17 (2ND FL)



LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 3a: P.S. 183Q (PCB BPW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Fire Stop Caulk (Red)	1	Stairwell B, 1st Floor Landing by Exit Doors	4
Fire Stop Caulk (Red)	2	Stairwell D, 2nd Floor Landing by Exit Doors	4
Fire Stop Caulk (Red)	3	Stairwell D, 3rd Floor Landing by Exit Doors	4
		Total	**12**

Table 3b: P.S. 183Q (PCB RW – Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Expansion Seam Caulk	1	North and South Corridors	80
Door Frame Caulk	1	Stairwell A	56
Window Frame Caulk	1	Cafeteria	120
Display Case Caulk	2	South and West Corridors	60
Door Frame Caulk	2	Rooms 207 and 245, Stairwell B	84
Window Units Caulk (Black)	2 and 3	Stairwell D, 2nd and 3rd Floor Landings	80
Display Case Caulk	3	East and West Corridors	60
Door Frame Caulk	3	Room 309, and Stairwells C and D	126
		Total	**666**

NOTES:

1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

REVISIONS

NO.	DESCRIPTION	BY	DATE

HORIZONTAL
VERTICAL

0 25' 50'
SCALE: 1" = 25'-0"
PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

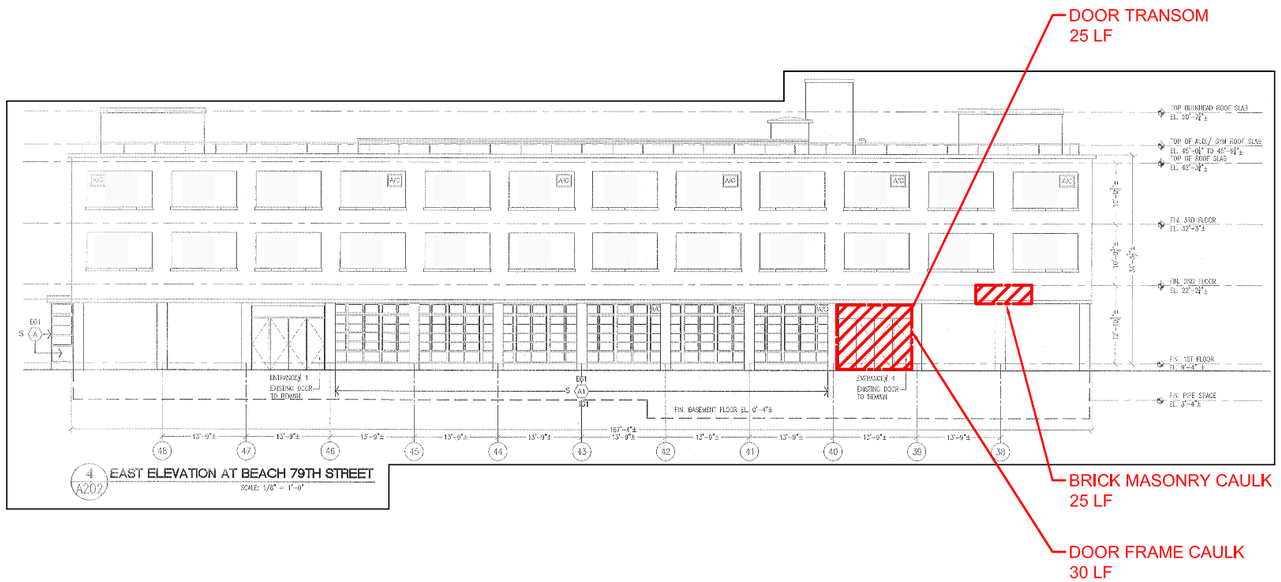
DESIGNED BY: JO
DRAWN BY: CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: AS SHOWN
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 183Q - DR . RICHARD R. GREEN - 2-45 BEACH 79 STREET
QUEENS, NEW YORK 11693

DRAWING TITLE:
P.S. 183Q THIRD FLOOR
PCB BULK PRODUCT & REMEDIATION WASTE REMEDIAL PLAN

FIGURE
3C

Path\Name: I:\Projects\NYCSCA Contract C000013444\229002 - City-wide PCB Caulk Pilot Prog Design Work (Was 195168.1)\PCB Bulk Product Waste ReFigure 3A-C (9.19.16).dwg - Date\Time: Mon, 19 Sep 2016 - 3:17pm - User Name: cstout - Layout Tab: 11X17 (3RD FL.)



LEGEND:

XXX	ROOM NUMBER
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 3c: P.S. 183Q (PCB BPW – Exterior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Brick Masonry Caulk (White)	Exterior	East Elevation	25
Door Frame Caulk (Red/Brown)	Exterior	East Elevation	30
Door Transom Caulk (Gray)	Exterior	East Elevation	25
Brick Masonry Caulk (White)	Exterior	North Elevation	25
Vent Caulk (Gray)	Exterior	North Elevation	15
Door Frame Caulk (Red/Brown)	Exterior	North Elevation	22
Door Frame Caulk (Gray)	Exterior	North Elevation	22
Door Transom Caulk (Gray)	Exterior	West Elevation	8
Door Frame Caulk (Red/Brown)	Exterior	West Elevation	22
Door Frame Caulk (Gray)	Exterior	West Elevation	22
		Total	**216**

GENERAL NOTES:

1. FIGURE BASED ON DRAWINGS OBTAINED FROM SCA.

REVISIONS			
NO.	DESCRIPTION	BY	DATE

0 25' 50'
SCALE: 1" = 25'-0"
PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

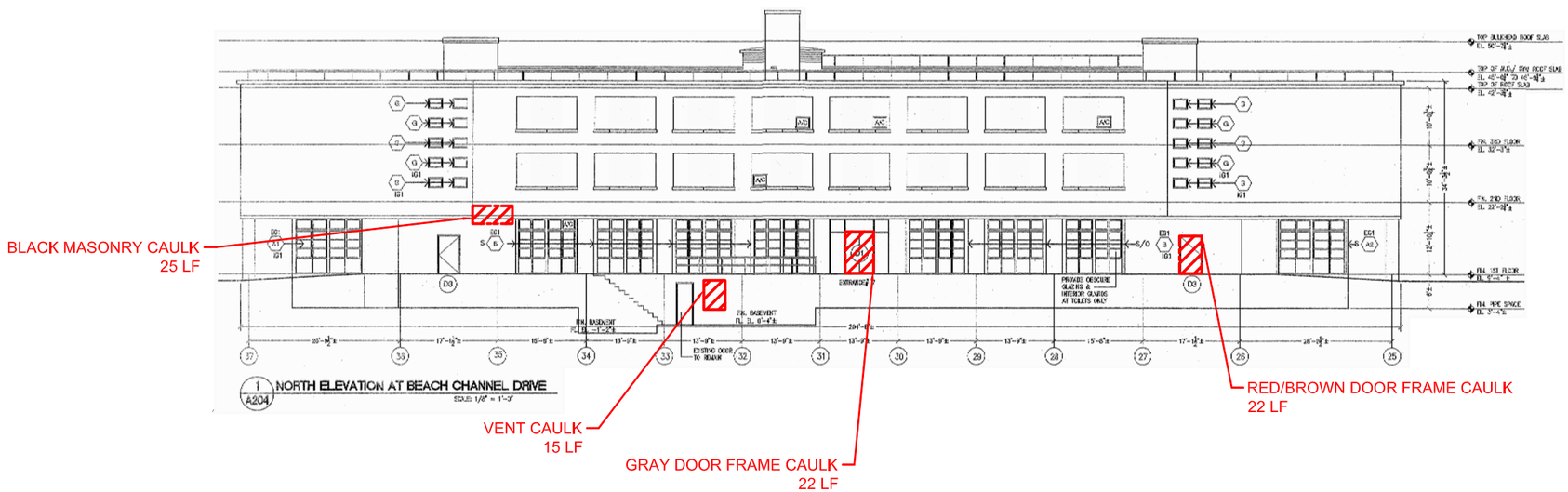
DESIGNED BY: HD
DRAWN BY: CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: 1" = 25'-0"
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 183Q - DR . RICHARD R. GREEN - 2-45 BEACH 79 STREET
QUEENS, NEW YORK 11693

DRAWING TITLE:
PUBLIC SCHOOL 183Q EAST ELEVATION
EXTERIOR CAULK AND CAULK SAMPLE LOCATIONS

FIGURE
3D

Path\Name: I:\Projects\NYCSCA Contract C000013444\229002 – City-wide PCB Caulk Pilot Prog Design Work (Was 195168.1)\PCB Bulk Product Waste ReFigure 3D-F 183Q Exterior.dwg – Date\Time: Mon, 19 Sep 2016 – 3:31pm – User Name: cstout – Layout Tab: EXTERIOR CAULK – EAST ELEVATION



LEGEND:

XXX ROOM NUMBER

BUILDING FOOTPRINT

LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 3c: P.S. 183Q (PCB BPW – Exterior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Brick Masonry Caulk (White)	Exterior	East Elevation	25
Door Frame Caulk (Red/Brown)	Exterior	East Elevation	30
Door Transom Caulk (Gray)	Exterior	East Elevation	25
Brick Masonry Caulk (White)	Exterior	North Elevation	25
Vent Caulk (Gray)	Exterior	North Elevation	15
Door Frame Caulk (Red/Brown)	Exterior	North Elevation	22
Door Frame Caulk (Gray)	Exterior	North Elevation	22
Door Transom Caulk (Gray)	Exterior	West Elevation	8
Door Frame Caulk (Red/Brown)	Exterior	West Elevation	22
Door Frame Caulk (Gray)	Exterior	West Elevation	22
		Total	**216**

GENERAL NOTES:

1. FIGURE BASED ON DRAWINGS OBTAINED FROM SCA.

REVISIONS

NO.	DESCRIPTION	BY	DATE

0 25' 50'

SCALE: 1" = 25'-0"

PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

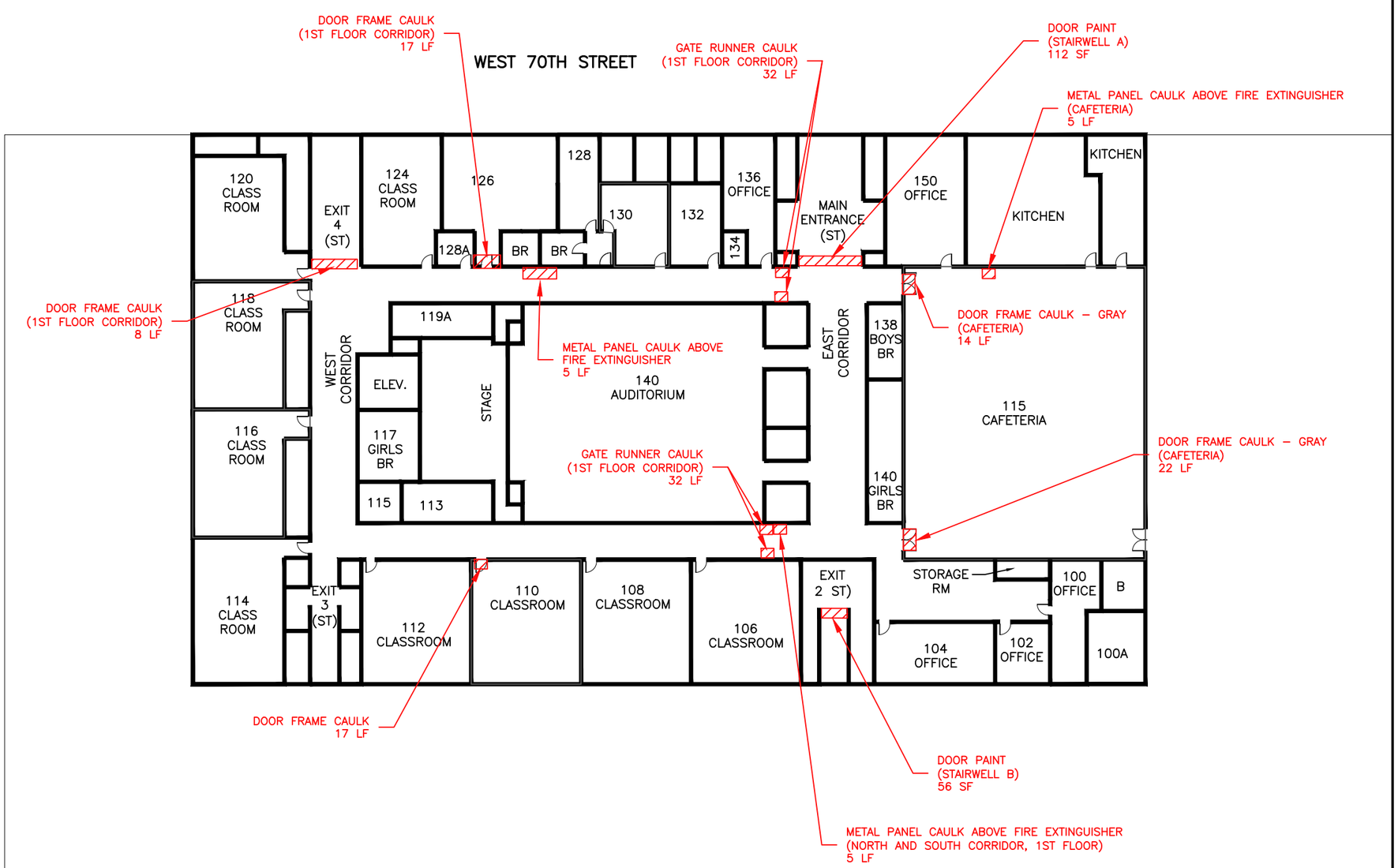
DESIGNED BY: HD
DRAWN BY: CS
CHECKED BY: JS
DATE: SEPTEMBER 2016
SCALE: 1" = 25'-0"
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 183Q - DR . RICHARD R. GREEN - 2-45 BEACH 79 STREET
QUEENS, NEW YORK 11693

DRAWING TITLE:
PUBLIC SCHOOL 183Q NORTH ELEVATION
EXTERIOR CAULK AND CAULK SAMPLE LOCATIONS

FIGURE
3E

Path\Name: I:\Projects\NYCSCA Contract C00001344\229002 – City-wide PCB Caulk Pilot Prog Design Work (Was 195168.1)\PCB Bulk Product Waste ReFigure 3D-F 183Q Exterior.dwg – Date\Time: Mon, 19 Sep 2016 – 3:26pm – User Name: cstout – Layout Tab: EXTERIOR CAULK – NORTH ELEVATION



DRAWING NOT TO SCALE

LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 4a: P.S. 199M (PCB RW - Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet – except where noted)
Blue Exit Doors (Orange undercoating) - PCB Containing Paint	1	Stairwell A (2 doors) and Stairwell B (1 door)	168 SF
Door Frame Caulk	1	Cafeteria	36
Metal Panel Caulk above Fire Extinguisher	1	Cafeteria	5
Door Frame Caulk	1	1st Floor Corridors	42
Gate Runner Caulk	1	1st Floor Corridors	64
Metal Panel Caulk above Fire Extinguisher	1	1st Floor Corridors	10
Door Frame Caulk	2	Gymnasium	28
Rolling Gate Caulk	2	Gymnasium	28
Door Frame Caulk	2	2nd Floor Corridors	42
Gate Runner Caulk	2	2nd Floor Corridors	56
Metal Panel Caulk above Fire Extinguisher	2	2nd Floor Corridors	15
Door Frame Caulk	3	Main Entrance Stairwell	56
Door Frame Caulk	3	3rd Floor North Corridor	56
Wall Panel Caulk	3	3rd Floor North Corridor	5
Metal Panel Caulk above Fire Extinguisher	3	3rd Floor North Corridor	5
Metal Panel Caulk above Fire Extinguisher	3	3rd Floor South Corridor	5
		Total	621

NOTE:

1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

REVISIONS			
NO.	DESCRIPTION	BY	DATE

PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

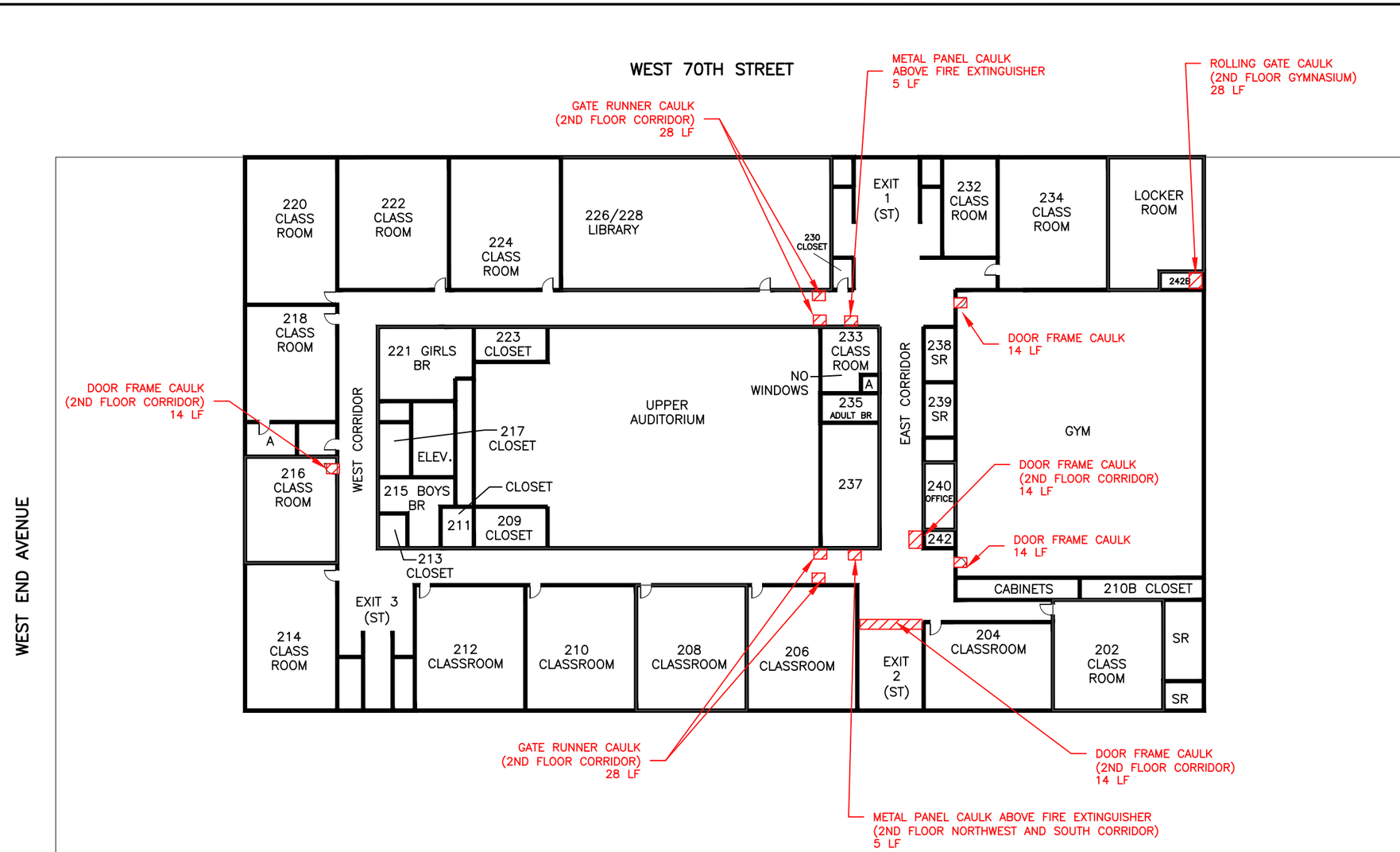
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JPS
DATE: SEPTEMBER 2016
SCALE: NOT TO SCALE
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 199M - JESSIE ISADOR STRAUS SCHOOL - 270 WEST 70TH STREET
MANHATTAN, NEW YORK 10023

DRAWING TITLE:
PUBLIC SCHOOL 199M FIRST FLOOR
REMEDIATION WASTE LOCATIONS

FIGURE
4A

Path\Name: I:\Projects\NYCSCA Contract C000013444\229002 - City-wide PCB Caulk Pilot Prog Design Work (Was 195168.1)\PCB Bulk Product Waste Refigures 4A-G PS 199M PCB RW Locations.dwg - Date\Time: Mon, 19 Sep 2016 - 4:21pm - User Name: cstout - Layout Tab: 1ST FLOOR



DRAWING NOT TO SCALE

LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 4a: P.S. 199M (PCB RW - Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet – except where noted)
Blue Exit Doors (Orange undercoating) - PCB Containing Paint	1	Stairwell A (2 doors) and Stairwell B (1 door)	168 SF
Door Frame Caulk	1	Cafeteria	36
Metal Panel Caulk above Fire Extinguisher	1	Cafeteria	5
Door Frame Caulk	1	1st Floor Corridors	42
Gate Runner Caulk	1	1st Floor Corridors	64
Metal Panel Caulk above Fire Extinguisher	1	1st Floor Corridors	10
Door Frame Caulk	2	Gymnasium	28
Rolling Gate Caulk	2	Gymnasium	28
Door Frame Caulk	2	2nd Floor Corridors	42
Gate Runner Caulk	2	2nd Floor Corridors	56
Metal Panel Caulk above Fire Extinguisher	2	2nd Floor Corridors	15
Door Frame Caulk	3	Main Entrance Stairwell	56
Door Frame Caulk	3	3rd Floor North Corridor	56
Wall Panel Caulk	3	3rd Floor North Corridor	5
Metal Panel Caulk above Fire Extinguisher	3	3rd Floor North Corridor	5
Metal Panel Caulk above Fire Extinguisher	3	3rd Floor South Corridor	5
		Total	621

NOTE:

1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

REVISIONS			
NO.	DESCRIPTION	BY	DATE

PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

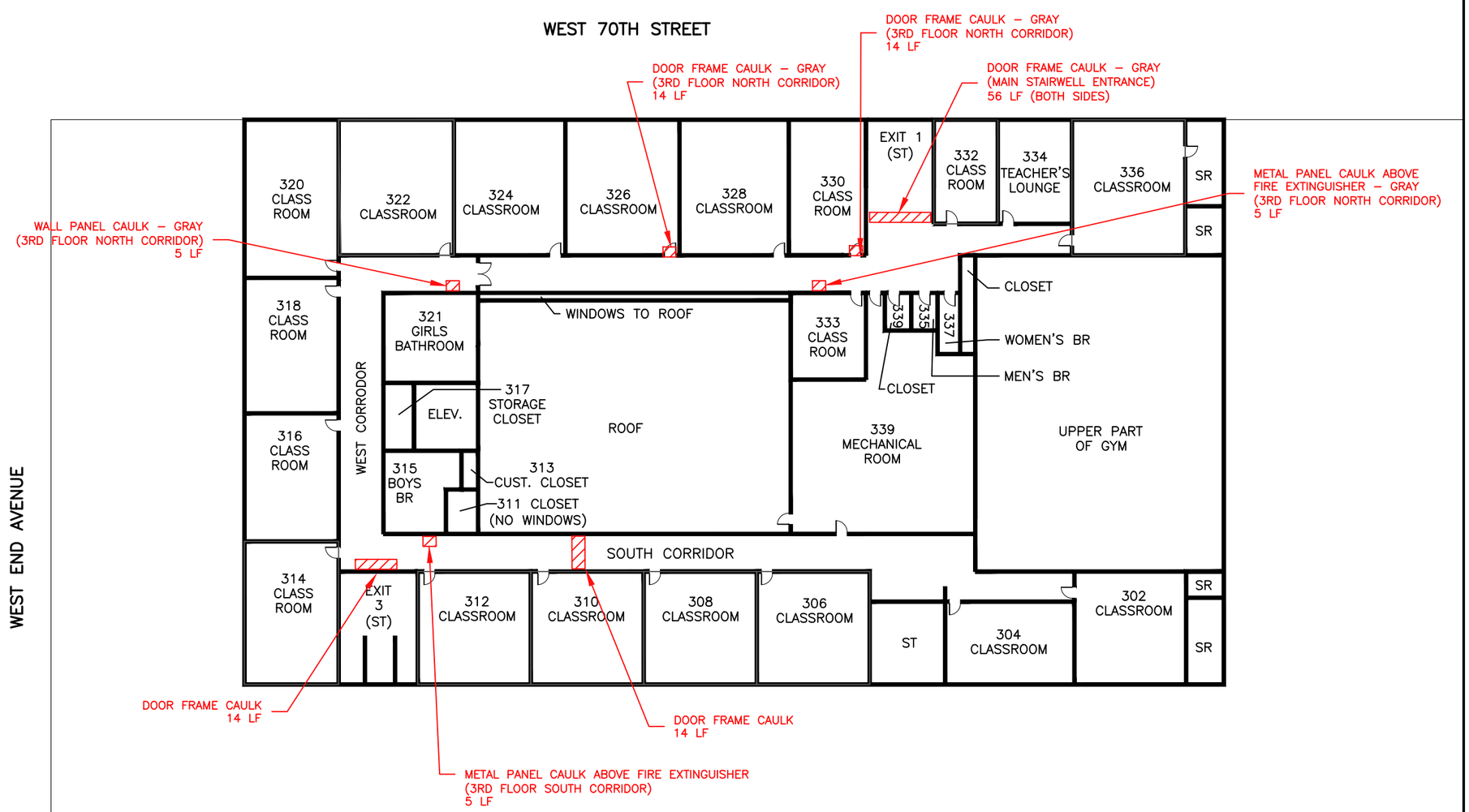
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JPS
DATE: SEPTEMBER 2016
SCALE: NOT TO SCALE
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 199M - JESSIE ISADOR STRAUS SCHOOL - 270 WEST 70TH STREET
MANHATTAN, NEW YORK 10023

DRAWING TITLE:
PUBLIC SCHOOL 199M SECOND FLOOR
REMEDIATION WASTE LOCATIONS

FIGURE
4B

Path\Name: I:\Projects\NYCSCA Contract C000013444\229002 -City-wide PCB Caulk Pilot Prog Design Work (Was 195168.1)\PCB Bulk Product Waste Refigures 4A-G PS 199M PCB RW Locations.dwg - Date\Time: Mon, 19 Sep 2016 - 4:29pm - User Name: cstout - Layout Tab: 2ND FLOOR



DRAWING NOT TO SCALE

LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 4a: P.S. 199M (PCB RW - Interior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet – except where noted)
Blue Exit Doors (Orange undercoating) - PCB Containing Paint	1	Stairwell A (2 doors) and Stairwell B (1 door)	168 SF
Door Frame Caulk	1	Cafeteria	36
Metal Panel Caulk above Fire Extinguisher	1	Cafeteria	5
Door Frame Caulk	1	1st Floor Corridors	42
Gate Runner Caulk	1	1st Floor Corridors	64
Metal Panel Caulk above Fire Extinguisher	1	1st Floor Corridors	10
Door Frame Caulk	2	Gymnasium	28
Rolling Gate Caulk	2	Gymnasium	28
Door Frame Caulk	2	2nd Floor Corridors	42
Gate Runner Caulk	2	2nd Floor Corridors	56
Metal Panel Caulk above Fire Extinguisher	2	2nd Floor Corridors	15
Door Frame Caulk	3	Main Entrance Stairwell	56
Door Frame Caulk	3	3rd Floor North Corridor	56
Wall Panel Caulk	3	3rd Floor North Corridor	5
Metal Panel Caulk above Fire Extinguisher	3	3rd Floor North Corridor	5
Metal Panel Caulk above Fire Extinguisher	3	3rd Floor South Corridor	5
		Total	621

NOTE:

1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

REVISIONS			
NO.	DESCRIPTION	BY	DATE

PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

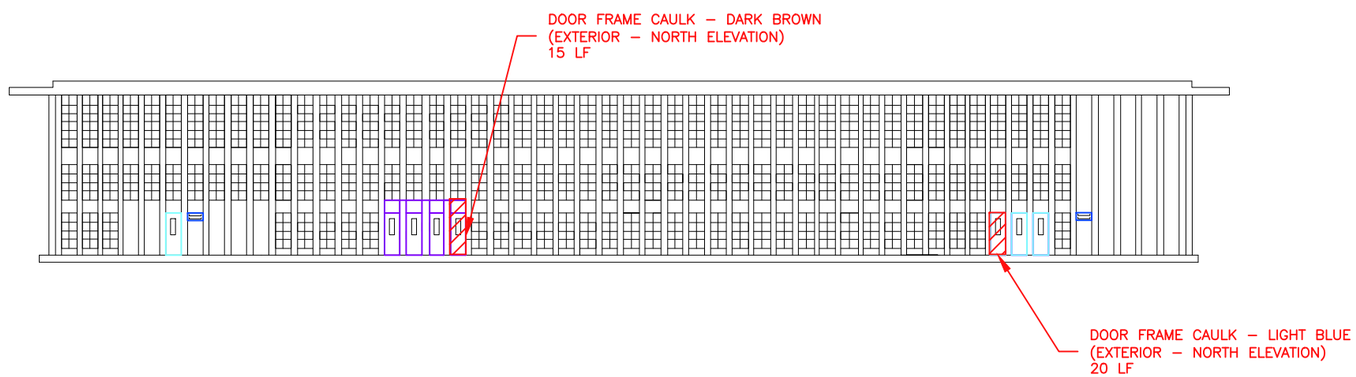
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JPS
DATE: SEPTEMBER 2016
SCALE: NOT TO SCALE
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 199M - JESSIE ISADOR STRAUS SCHOOL - 270 WEST 70TH STREET
MANHATTAN, NEW YORK 10023

DRAWING TITLE:
PUBLIC SCHOOL 199M THIRD FLOOR
REMEDIATION WASTE LOCATIONS

FIGURE
4C

Path\Name: I:\Projects\NYCSCA Contract C000013444\229002 –City-wide PCB Caulk Pilot Prog Design Work (Was 195168.1)\PCB Bulk Product Waste Refigures 4A-G PS 199M PCB RW Locations.dwg – Date\Time: Mon, 19 Sep 2016 – 4:35pm – User Name: cstout – Layout Tab: 3RD FLOOR



DRAWING NOT TO SCALE

LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 4c: P.S. 199M (PCB RW - Exterior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Exterior Door Frame Caulk – Light Blue	Exterior	North, East and West Elevations	60
Exterior Door Frame Caulk – Dark Brown	Exterior	North and South Elevations	49
Louvre Caulk	Exterior	East Elevation	28
		Total	**137**

NOTE:

1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

REVISIONS

NO.	DESCRIPTION	BY	DATE

PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

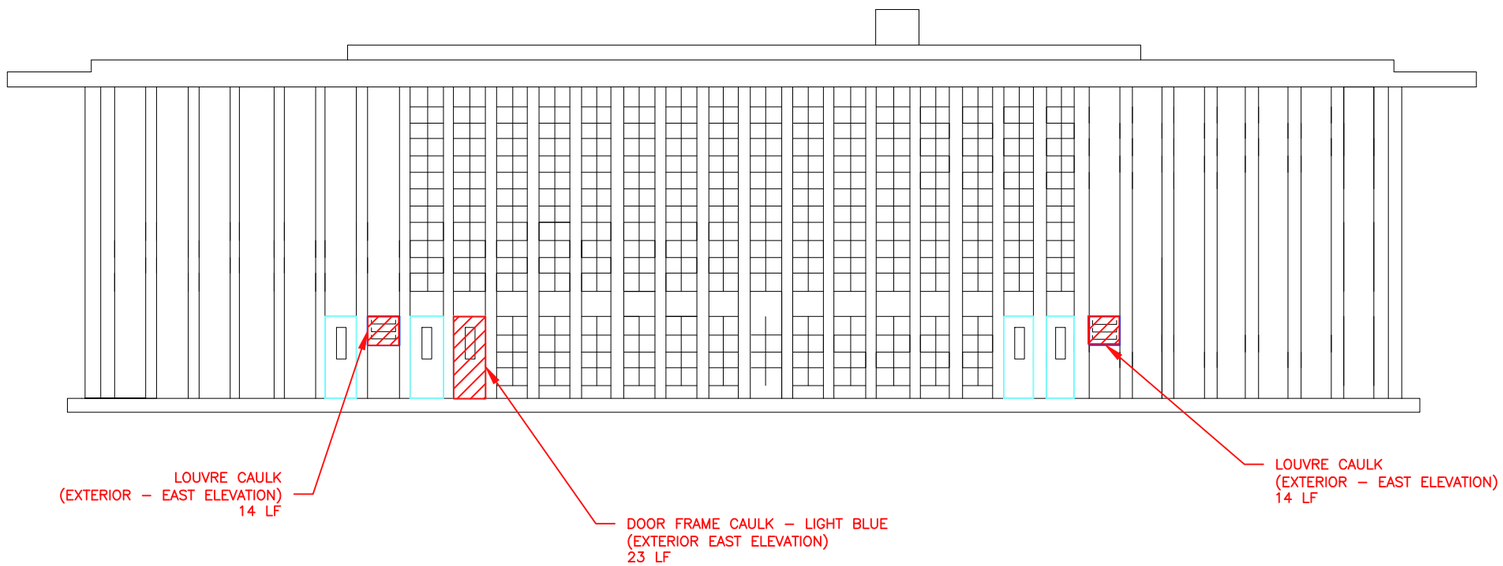
DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JPS
DATE: SEPTEMBER 2016
SCALE: NOT TO SCALE
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 199M - JESSIE ISADOR STRAUS SCHOOL - 270 WEST 70TH STREET
MANHATTAN, NEW YORK 10023

DRAWING TITLE:
PUBLIC SCHOOL 199M NORTH ELEVATION
REMEDIATION WASTE LOCATIONS

FIGURE
4D

Path\Name: I:\Projects\NYCSCA Contract C000013444\229002 – City-wide PCB Caulk Pilot Prog Design Work (Was 195168.1)\PCB Bulk Product Waste Refigures 4A-G PS 199M PCB RW Locations.dwg – Date\Time: Mon, 19 Sep 2016 – 4:37pm – User Name: cstout – Layout Tab: NORTH ELEVATION



DRAWING NOT TO SCALE

LEGEND:

XXX	ROOM NUMBER
ST	STAIRS
SR	STORAGE ROOM
BR	BATHROOM
	BUILDING FOOTPRINT
	LOCATION OF CAULK TO BE REMEDIATED AND SUBSTRATE TO BE ENCAPSULATED

Table 4c: P.S. 199M (PCB RW - Exterior)

Bulk Material Description	Floor	Room/ Location	Approximate Quantity (linear feet)
Exterior Door Frame Caulk – Light Blue	Exterior	North, East and West Elevations	60
Exterior Door Frame Caulk – Dark Brown	Exterior	North and South Elevations	49
Louvre Caulk	Exterior	East Elevation	28
		Total	**137**

NOTE:

1. FIGURE BASED ON TRC FIELD OBSERVATIONS.

REVISIONS

NO.	DESCRIPTION	BY	DATE

PAPER SIZE: 11" x 17"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

DESIGNED BY: JO
DRAWN BY: JO/CS
CHECKED BY: JPS
DATE: SEPTEMBER 2016
SCALE: NOT TO SCALE
PROJECT NUMBER: 229002.0000.0000

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
P.S. 199M - JESSIE ISADOR STRAUS SCHOOL - 270 WEST 70TH STREET
MANHATTAN, NEW YORK 10023

DRAWING TITLE:
PUBLIC SCHOOL 199M EAST ELEVATION
REMEDIATION WASTE LOCATIONS

FIGURE
4E

Path\Name: \\NAPA-NYC\Environmental\Shared\Projects\NYCSCA~4(229002~1.1)\PCBBUL~1\BPWREM~1\Figures\PS199M~1\Figures 4A-G PS 199M PCB RW Locations.dwg – Date\Time: Tue, 20 Sep 2016 – 10:22am – User Name: cstout – Layout Tab: EAST ELEVATION