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**SECTION 00335**

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**EXISTING HAZARDOUS MATERIALS CONDITIONS**

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**PART 1 – GENERAL****1.01 SUMMARY**

- A. This section provides a list of known and assumed hazardous materials that may be impacted during renovation, demolition, repair, custodial and/or maintenance activities. The hazardous materials information has been provided through existing surveys conducted by the San Francisco Unified School District (District) and the District's environmental consultants.
- B. Some materials and items found at the Site either contain or may contain materials known to the State of California to be either hazardous, carcinogenic or reproductive toxins. These include but are not limited to asbestos, lead, PCB's, silica, and other materials.
- C. The Contractor shall hold the District and its consultants harmless for claims, damages, losses, and expenses, including attorney's fees arising out of the Contractor's hazardous materials related work including releases from any incidental disturbance of existing hazardous materials, on-site or off site spills of hazardous materials, or from non-compliance with the Contract Documents and regulatory requirements.

**1.02 HAZARD COMMUNICATION**

- A. The District may have conducted previous hazardous materials abatement projects at the site. The hazardous materials abatement oversight information is available for review by appointment only through the District's Asbestos Control Program at (415) 241-6226.
- B. Copies of previous hazardous materials report(s) and the AHERA Management Plan for the site are available for review by appointment only through the District's Asbestos Control Program at (415) 241-6226.
- C. Asbestos Hazards at Burton High School
  - 1. Asbestos has been identified at concentrations greater than one percent (>1%) in the following materials:
    - a. Exterior Site:
      - 1) Pipe insulation (5% Chrysotile asbestos, 20% Amosite asbestos) at pipe elbows and tees at below grade tunnel leading from Building B (Classroom Building) to Buildings D (Cafeteria Building) and Building E (Gymnasium Building).

- 2) Cementitious tar coating (black) (2% Chrysotile asbestos) located below green and red coatings at asphalt at the north, west and east sides of Building E and the tennis courts.
  - 3) Caulkings located at metal flashing / expansion joints at the Covered Walkway Roofs located at the north elevation of Building C
- b. Building A (Auditorium Building):
- 1) Exteriors:
    - a) Caulking (gray / brown) (5% Chrysotile asbestos) at metal louvered vent framing and concrete rough openings.
    - b) Caulking (gray / brown) (10% Chrysotile asbestos) at metal door framing and concrete rough openings.
    - c) Caulking (gray / brown) (10% Chrysotile asbestos) at metal window wall framing and concrete rough openings.
    - d) Tar / caulking (black) (10% Chrysotile asbestos) at exterior wall transitions between WA01 Walk A, WB01 Walk B and Buildings A and B.
  - 2) Interiors:
    - a) Acoustic ceiling plaster (3% Chrysotile asbestos) at WA01 Enclosed Walk A, WB01 Enclosed Walk B and Auditorium 201.
    - b) Pipe insulation (5% Chrysotile asbestos, 20% Amosite asbestos) at pipe elbows and tees at Storage 203, AST2 Stair and throughout at ceiling plenums and wall cavities.
    - c) Floor tile (9"x9" tan, brown, dark brown) (6-10% Chrysotile asbestos) and black floor tile mastic (2-10% Chrysotile asbestos) at Digital Music 208 (both main floor and raised wood floor), WA01 Enclosed Walk A, WB01 Enclosed Walk B, Storage 205, Corridor 207, Practice Room 210, Library 211, Ensemble Room 212, Piano Storage 214, Instrumental Room 215, Entry 216, Boys T217 (at stair landing), Girls T221 (at stair landing), Practice 306, 307, 308, 309 and 310 and Balcony.
    - d) Floor tile mastic (black) (2% Chrysotile asbestos) below non-asbestos containing floor tile at Inst. Repair 209.
    - e) Fire door insulation (40% Chrysotile asbestos) at metal fire doors at Stage 202 (4 doors), Storage 203 (1 door), Storage 205 (1 door), Entry 216 (2 doors), AST1 Stair 1 (1 door), AST2 Stair 2 (1 door) and Light Gallery 313 (3 doors).
    - f) Caulking (gray / brown) (5% Chrysotile asbestos) at metal louvered vent framing and concrete rough openings.
    - g) Caulking (gray / brown) (5% Chrysotile asbestos) at metal door framing and concrete rough openings.
    - h) Caulking (gray / brown) (5% Chrysotile asbestos) at metal window wall framing and concrete rough openings.
- c. Building B (Classroom Building):

## 1) Exteriors:

- a) Caulking (gray / brown) (5% Chrysotile asbestos) at metal louvered vent framing and concrete rough openings.
- b) Caulking (gray / brown) (5% Chrysotile asbestos) at metal door framing and concrete rough openings.
- c) Caulking (gray / brown) (5% Chrysotile asbestos) at metal window framing, window wall framing and concrete rough openings.
- d) Exterior window glazing compounds (gray and white) (2% Chrysotile asbestos).
- e) Tar / caulking (black) (10% Chrysotile asbestos) at exterior wall transitions between WA01 Walk A, WB01 Walk B and Buildings A and B and WC01 Walk C and Buildings B and C.

## 2) Interiors:

- a) Acoustic ceiling plaster (3-5% Chrysotile asbestos) at ALL Floors at Stairs BST01, BST02, BST03 and BST04 and the Second Floor at Corridors B2CSE and B2CW.
- b) Pipe insulation (5-10% Chrysotile asbestos, 20% Amosite asbestos) at pipe elbows and tees at the following locations:
  - Basement Floor at the B001 Boiler Room, Boiler Pit, Receiving Area B006, Storage B008, B009 and B010;
  - Classrooms at wall mounted radiators ; and
  - Throughout at ceiling plenums and wall cavities.
- c) Hot water tank insulation (15% Chryostile asbestos, 3-15% Amosite asbestos) at the hot water tanks at the Basement Floor at the B001 Boiler Room / Boiler Pit.
- d) Taping compound (2% Chrysotile asbestos) on gypsum board walls at the following locations:
  - First Floor at Quiet Time B106 and Offices B106.1 and B106.2; and
  - Third Floor at Classroom B328 and Office B328.4.
- e) Floor tile (9"x9" tan, gray, brown, dark brown, black) (2-15% Chrysotile asbestos) and black floor tile mastic (2-10% Chrysotile asbestos) at the following locations:
  - Basement Floor at the Office B003;
  - First Floor at Classroom B100, Storage B102, Classrooms B103 and B104, Quiet Time B106 (concealed by non-asbestos containing 12"x12" floor tile), Office B106.1 (concealed by non-asbestos containing 12"x12" floor tile), Office B106.2 (concealed by non-asbestos containing 12"x12" floor tile); Classrooms B107 and B108, Spec. Ed. B110, Science Lab B112, Storage B112A, Science Labs B114, B116, B120 and B122, Classroom B124,

Storage B126, Classrooms B128 and B131, Digital Media B136.1, Video Production B136.2, B1CNE Entry (exposed and concealed at top of ramp by non-asbestos containing 12"x12" floor tile) and Corridors B1CN, B1CNW, B1CW, B1CS, B1CSE and B1CE.

- Second Floor at Resource Room B200 (concealed by non-asbestos containing 12"x12" floor tile), IRF OFF B201, Principal B202.1, Admin Asst. B202, Att. Office B203, Faculty B204, Supply B205, Classroom B206, Stor. B208, Reception B210, Offices B210.1, B210.2, B210.3, B210.4 and B210.5, Hall B210.6, Office B210.7, Storage B211, MDF B212, Classroom B214, Conference B216, Workroom B217, Classroom B218, Wellness B219, Therapy B219A, Exam B219B, Nurse B219C, B219D, Hall B219E, Therapy B219F, Engl. Off. B220, Classrooms B221, B222, B223, B224, B226, B228 and B230, Seminar B233 (concealed by carpet), Classroom B234, Conference B235, Classroom B236, Counseling B237, AP Office B237.1, Offices B237.2, B237.3, B237.4, B237.5, B237.6, B237.7 and B237.8, Cum. Files B237.9, Spec. Ed. B238, Admin. B239, AP Off. B239.1, Truancy B239.2, Hallway 239.3, Classroom B240 and Corridors B2Cn, B2CE, B2CSE, B2CS and B2CW.
  - Third Floor at Classroom B300, Storage B302, Classrooms B304 and B306, Storage B308, Classroom B310, Spec. Ed. B312, Storage B314, Beacon Room B315, Beacon Off. B315.2 (concealed by carpet), Classroom B316, Workroom B317.1 (concealed by carpet), Classroom B318, Computer Classroom B319 (concealed by carpet), Spec. Ed. B320, Lecture Room B321 (both main floor and raised wood floor), Spec. Ed. B322, Classrooms B324 and B326, Classroom B328 (concealed by non-asbestos containing 12"x12" floor tile at main floor and raised wood floor), Speech B328.2 (concealed by carpet), Speech B328.3 (concealed by carpet), Office B328.4 (concealed by carpet and non-asbestos containing floor tile), Spec. Ed. Cr B330, Storage B332, Classroom 334, Spec. Ed. Cr B336 and B338, Closet B338.1, Spec. Ed. Cr B340, Classroom B342, Engr. Academy B343 (both main floor and raised wood floor), Classrooms B344 and B346, Spec. Ed. Cr B348, Classroom B350, Storage B352, Math Off. B353, Classroom B354, Spec. Ed. Cr B356 and Corridors B3CN, B3CW, B3CS and B3CE.
- f) Floor tile mastic (black) (2-10% Chrysotile asbestos) below non-asbestos containing floor tile at Science Lab B120 (patched area), Classroom B232, and Speech B328.1.
  - g) Mastic (black) (3% Chrysotile asbestos) at corkboard at the wall of the Basement Office B003.
  - h) Glazing compounds (black tarry) (2% Chrysotile asbestos) at interior doors.
  - i) Caulking (3% Chrysotile asbestos) located between porcelain sinks and countertops at Classrooms B109 and B129.
  - j) Caulking (gray / brown) (5% Chrysotile asbestos) at metal louvered

- vent framing and concrete rough openings.
- k) Caulking (gray / brown) (5% Chrysotile asbestos) at metal door framing and concrete rough openings.
  - l) Caulking (gray / brown) (5% Chrysotile asbestos) at metal window framing, window wall framing and concrete rough openings.
- d. Building C (Art and Science Building):
- 1) Exteriors:
    - a) Caulking (gray / brown) (5% Chrysotile asbestos) at metal louvered vent framing and concrete rough openings.
    - b) Caulking (gray / brown) (3% Chrysotile asbestos) at metal door framing and concrete rough openings.
    - c) Caulking (gray / brown) (2% Chrysotile asbestos) at metal window framing, window wall framing and concrete rough openings.
    - d) Tar coating / caulking (black) (10% Chrysotile asbestos) at exterior wall transitions between WC01 Walk C and Buildings B and C.
    - e) Roof penetration mastics (5% Chrysotile asbestos).
  - 2) Interiors:
    - a) Pipe insulation (10-20% Chrysotile asbestos) at pipe elbows and tees at Ceramics S200, Gardening S201, Science S202, Classroom S203, Science Room S204, Terminal Cab S207, Office S221 and throughout at ceiling plenums and wall cavities.
    - b) Floor tile (9"x9" tan, brown, dark brown) (5-10% Chrysotile asbestos) and black floor tile mastic (5-10% Chrysotile asbestos) at Ceramics S200, Kiln Room S200A, Gardening S201, Science S202, Science Room S204, Resource S206, Office S208, Resource S210, Glazing Room S212, Storage S214, Resource S216, Corridor S-COR1 and Enclosed Walkway WC01.
    - c) Floor tile mastic (black) (5-10% Chrysotile asbestos at Hall S205 (concealed by carpet), Terminal Cab S207 (concealed by carpet and raised flooring), Production Studio S209 (concealed by carpet and raised flooring), Voice Studio S211 (concealed by carpet and raised flooring), On Air Studio S213 (concealed by carpet and raised flooring), Hall S215 (concealed by carpet and raised flooring), Office S217 (concealed by carpet), Break Room S219 (concealed by 12"x12" non-asbestos containing floor tile), Office S221 (concealed by carpet) and Conference S223 (concealed by carpet).
    - d) Light fixture heat shield gasket (80% Chrysotile asbestos) at Storage S214 and Resource S216.
    - e) Caulking (gray / brown) (5% Chrysotile asbestos) at metal louvered vent framing and concrete rough openings.
    - f) Caulking (gray / brown) (2-3% Chrysotile asbestos) at metal door framing and concrete rough openings.
    - g) Caulking (gray / brown) (3% Chrysotile asbestos) at metal window framing, window wall framing and concrete rough openings.

## e. Building D (Cafeteria Building):

## 1) Exteriors:

- a) Felt roofing materials (25-35% Chrysotile asbestos) at perimeter flashings and roof penetrations.
- b) Caulking (gray / brown) (5% Chrysotile asbestos) at metal louvered vent framing and concrete rough openings.
- c) Caulking (gray / brown) (5% Chrysotile asbestos) at metal door framing and concrete rough openings.
- d) Caulking (gray / brown) (5% Chrysotile asbestos) at metal window framing, window wall framing and concrete rough openings.

## 2) Interiors:

- a) Pipe insulation (10-20% Chrysotile asbestos) at pipe elbows and tees at Cafeteria D101 and throughout at ceiling plenums and wall cavities.
- b) Floor tile (9"x9" tan, brown, white, beige) (6-8% Chrysotile asbestos) and black floor tile mastic (10% Chrysotile asbestos) at Cafeteria D101, Faculty Dining Room D103, Storage D107 and Canteen D116.
- c) Caulking (gray / brown) (5% Chrysotile asbestos) at metal louvered vent framing and concrete rough openings.
- d) Caulking (gray / brown) (5% Chrysotile asbestos) at metal door framing and concrete rough openings.
- e) Caulking (gray / brown) (5% Chrysotile asbestos) at metal window framing, window wall framing and concrete rough openings.

## f. Building E (Gymnasium Building):

## 1) Exteriors:

- a) Caulking (gray / brown) (4% Chrysotile asbestos) at metal louvered vent framing and concrete rough openings.
- b) Caulking (gray / brown) (4% Chrysotile asbestos) at metal door framing and concrete rough openings.
- c) Caulking (gray / brown) (5% Chrysotile asbestos) at metal window framing, window wall framing and concrete rough openings.

## 2) Interiors:

- a) Pipe insulation (8-10% Chrysotile asbestos) at pipe elbows and tees at Custodian 102, Equipment 103, PE Office E106, Equipment E106A, Coach LR E107, Vestibule E109, Team Rooms E112 and E113, Storage E114, Girls L.R. E115 and 117, Shower E116, Equipment 122 and 124, Storage E126, Fan Room E128, Boys L.R. E132, Custodian E134, Mechanical E139 and throughout at ceiling plenums and wall cavities.
- b) Pipe insulation (8% Chrysotile asbestos) at straight pipe runs at Gymnasium E207, Exercise Rooms 208 and 209, and Equipment 210.
- c) Floor tile (9"x9" tan, brown, dark brown) (10% Chrysotile asbestos)

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- and black floor tile mastic (10% Chrysotile asbestos) at Storage E103, PE Office E106, Equipment E106A and PE Office E125 (concealed by carpet).
- d) Caulking (gray / brown) (5% Chrysotile asbestos) at metal louvered vent framing and concrete rough openings.
  - e) Caulking (gray / brown) (4% Chrysotile asbestos) at metal door framing and concrete rough openings.
  - f) Caulking (gray / brown) (5% Chrysotile asbestos) at metal window framing, window wall framing and concrete rough openings.
2. The following materials have not been sampled and shall be assumed to contain asbestos at concentrations > 1%:
- a. Exterior Site:
    - 1) Asbestos cement underground sewer, water and drain piping located throughout the entire site.
  - b. Building A (Auditorium Building):
    - 1) Not used.
  - c. Building B (Classroom Building):
    - 1) Mechanical flange gaskets.
    - 2) Fire doors at All Stairs.
  - d. Building C (Art and Science Building):
    - 1) Cement roofing panels at overhangs
  - e. Building D (Cafeteria Building):
    - 1) Not used.
  - f. Building E (Gymnasium Building):
    - 1) Not used.
3. Asbestos has been identified at concentrations less than one percent (<1%) in the following materials:
- a. Exterior Site:
    - 1) Not used.
  - b. Building A (Auditorium Building):
    - 1) Not used.
  - c. Building B (Classroom Building):

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- 1) The gypsum board / taping compound as a composite was identified to contain asbestos from 0.06% to 0.08% Chrysotile asbestos.
- d. Building C (Art and Science Building):
    - 1) Not used.
  - e. Building D (Cafeteria Building):
    - 1) Window glazing compounds (gray and white) (0.204-0.378% Chrysotile asbestos).
  - f. Building E (Gymnasium Building):
    - 1) Window glazing compounds (gray and white) (0.204-0.378% Chrysotile asbestos).
4. The following sampled suspect materials had results that reported NO asbestos detected by PLM analysis:
    - a. Exterior Site:
      - 1) Asphalt paving throughout the site at parking areas and walkways except the asphalt located at the north, west and east sides of Building E and the tennis courts.
      - 2) Paints at concrete retaining walls, stairs, curbs, etc.
      - 3) Paints at wood bleachers.
      - 4) Paints off of the Maintenance Shed at the north end of the football field.
      - 5) Concrete Covered Walkway structures located at the north elevation of Building C and the east elevation of Building D.
      - 6) White surface coating on the Covered Walkway Roof located at the north elevation of Building C.
      - 7) Mastic (black) at wood sleepers on the Covered Walkway Roof located at the north elevation of Building C and the east elevation of Building D.
      - 8) Roofing felts at the Covered Walkway located at the east elevation of Building D.
      - 9) Caulking (white) at metal flashings on the Covered Walkway Roof located at the east elevation of Building D.
    - b. Building A (Auditorium Building):
      - 1) Exteriors:
        - a) Paints.
        - b) Stucco / plaster at window panels and walls.
        - c) Gray silicone caulking at metal door framing and metal curtain walls.
        - d) Gasket material (black) at sidelight windows at doors.
        - e) Roofing materials.
        - f) Vibration dampers at roof mounted HVAC equipment.



## 2) Interiors:

- a) Paints.
- b) Plaster (white finish coat plaster and gray base coat plaster) at walls and ceilings.
- c) Plaster finish coating (white finish coat plaster over concrete at walls).
- d) Acoustical wall and ceiling tiles (12"x12") and mastics.
- e) Glue (yellow) at fiberglass sound panels at Light Gallery 311.
- f) Floor tiles (12"x12" yellow) and yellow mastic at Instrument Repair 209 (*Note: the black floor tile mastic was identified to contain asbestos at concentrations >1%*).
- g) Floor tiles (12"x12" cork) and mastic at Auditorium 201, Existing Sound Board and Light Gallery 311.
- h) Floor leveling compounds (white).
- i) Sheet flooring, backing and mastics at stair treads.
- j) Cove base (4" and 6" various colors) and cove base mastics (brown, dark brown and clear).
- k) Pipe insulation (fiberglass on straight pipe runs).
- l) Caulking (gray silicone) at metal door framing and metal curtain walls.
- m) 1.5"x1.5" blue and gray ceramic floor and base tile, grout, glues and mortar at Toilets and Custodian Closets.

## c. Building B (Classroom Building):

## 1) Exteriors:

- a) Paints.
- b) Caulking (gray silicone type) at metal door framing and rough openings.
- c) Roofing materials (Abated in 1991).

## 2) Interiors:

- a) Paints.
- b) Plaster (white finish coat plaster and gray base coat plaster) at walls and ceilings.
- c) Plaster finish coating (white finish coat plaster over concrete at walls).
- d) Acoustical spray-on material (white fluffy ceiling material) at Library B317 ceilings.
- e) Gypsum board and taping compound on walls throughout excluding Quiet Time B106, Offices B106.1 and B106.2, Classroom B328 and Office B328.4.
- f) Gypsum board dividing wall and fiberglass insulation at Health Sciences Academy B118.
- g) Acoustical ceiling tiles (2'x2').
- h) Acoustical ceiling tiles (12"x12" white) and mastics.
- i) Acoustical ceiling tiles (2'x4' fiberglass).
- j) Ceiling panels (Horse hair type) and mastic at the Boiler Room B001.
- k) Floor tile (12"x12" tan, beige, blue, white with black streaks, white, white and tan with brown and white blotches) and yellow and brown mastics throughout (*Note: there is asbestos containing floor tile and*

*mastic located below the 12"x12" floor tile at the First Floor at Quiet Time B106, Office B106.1, Office B106.2 and B1CN Entry; Second Floor at Resource Room B200; Third Floor at Classroom B328; and asbestos containing floor tile mastic is located below the 12"x12" floor tile at Science Lab B120, Classroom B232, and Speech B328.1.*

- l) Sheet flooring (beige with red and black dots, backing and glues at Classroom B109, B111, B127 and B129).
- m) Terrazzo flooring and base at ALL Stairs at ALL Floors.
- n) Carpets and carpet glues (*Note: there is asbestos containing floor tile and mastic located below the carpet at Seminar B233, Beacon Off. B315.2, Workroom B317.1, Computer Classroom B319, Speech B328.2 and B328.3; non-asbestos containing 12"x12" floor tile and asbestos containing floor tile and mastic located below the carpet at Office B328.4.*)
- o) Floor tile (12"x12" cork) and mastic at Library B317 (concealed by carpet).
- p) Floor leveling compounds (white).
- q) Cove base (4" and 6" various colors) and cove base mastics (brown, dark brown and clear).
- r) Tackboards and mastics.
- s) Chalkboards and mastics.
- t) Formica countertops and glues.
- u) Cementitious countertops and sinks (black).
- v) Sheet vinyl countertops, backing and glues.
- w) Cork board and brown glue at Storage B209.
- x) Sink undercoating (black) at the stainless steel sink at Nurse B219C.
- y) Black and white caulking located between porcelain sinks and the countertop at the east wall of B118A.
- z) Pipe insulation (fiberglass) on straight pipe runs.
- aa) Insulation boards (tan / off-white) located behind casework at Science Classrooms.
- bb) Ceramic floor and base tile (1.5"x1.5" blue and gray), grout, glues and mortar at Toilets and Janitor Closets.
- cc) Ceramic wall tile (4"x4" white), grout and mortar / glue at Girls and Boys Toilets.
- dd) Ceramic wall tile (1"x1" green and black), grout and mortar / glue at concrete columns at Library B317.

d. Building C (Art and Science Building):

1) Exteriors:

- a) Paints.
- b) Stucco / plaster at window panels and walls.
- c) Window glazing compounds (gray and white).
- d) Roofing materials except roof penetration mastics (5% Chrysotile asbestos).
- e) Duct seam tape at roof mounted exhaust fans.
- f) Glazing compounds at skylights.

2) Interiors:

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- a) Paints.
  - b) Plaster (white finish coat plaster and gray base coat plaster) at walls and ceilings.
  - c) Plaster finish coating (white finish coat plaster over concrete at walls).
  - d) Gypsum board and taping compounds at walls.
  - e) Canvas and vinyl wall coverings and glues.
  - f) Acoustical ceiling tiles (2'x4').
  - g) Acoustical ceiling tiles (12"x12") and mastics.
  - h) Gypsum board ceiling panels.
  - i) Sheet flooring (tan wavy pattern), backing, glues and floor leveling compounds at the First Floor at Science Labs, Prep Rooms and Classrooms.
  - j) Floor tile (12"x12" tan and green) and yellow mastic at Terminal Cab S207 and Break Room S219 (*Note: there is asbestos containing floor tile mastic located below the 12"x12" floor tile and raised flooring system at Terminal Cab S207 and below the 12"x12" floor tile at Break Room S219*).
  - k) Carpet and carpet glues (*Note: there is asbestos containing floor tile mastic located below the carpet at Hall S205, Office S217, Office S221 and Conference S223 and below a raised flooring system at Production Studio S209, Voice Studio S211, On Air Studio S213 and Hall S215*).
  - l) Floor leveling compounds (white).
  - m) Cove base (4" and 6" various colors) and cove base mastics (brown, dark brown and clear).
  - n) Formica countertops and glues.
  - o) Sheet vinyl countertops, backing and glues.
  - p) Cementitious countertops and sinks (black) at the First Floor at Science Labs, Prep Rooms and Classrooms
  - q) Tackboards and mastics.
  - r) Chalkboards and mastics.
  - s) Pipe insulation (fiberglass) on straight pipe runs.
  - t) Seam tape at HVAC ducting (white).
  - u) Fire bricks at kiln interiors.
  - v) Sink undercoating (white) at the stainless steel sink at Prep Room S116.
  - w) Sink undercoating (gray) at the stainless steel sink at Break Room 219.
  - x) Ceramic floor and base tile (1.5"x1.5" blue and gray), grout, glues and mortar at Girls S2-T1 and Boys S2-T2.
  - y) Ceramic base tile (6"x8" gray), grout, glues and mortar at Girls S2-T1 and Boys S2-T2.
- e. Building D (Cafeteria Building):
- 1) Exteriors:
    - a) Paints.
    - b) Stucco / plaster at window panels and walls.
    - c) Felt roofing materials at the fields of roof areas (*Note: the felt roofing*

*materials at perimeter flashings and roof penetrations were identified to contain asbestos at concentrations >1%).*

d) Roof penetration mastics / sealants.

2) Interiors:

- a) Paints.
- b) Plaster (white finish coat plaster and gray base coat plaster at walls and ceilings).
- c) Plaster finish coating (white finish coat plaster over concrete at walls).
- d) Plaster around the exhaust hood over the oven at Kitchen D104.
- e) Canvas wall coverings and glues.
- f) Acoustical wall and ceiling tiles (12"x12") and felt underlayment.
- g) Cementitious floor and base (red) at Teach. Serv. D102, Kitchen D104, Seryery D105, Office D106, Waste Paper D108, Storage D109, Hall D110, Dishwashing D111, Toilet Room D112, Restroom D112A and Storage D114.
- h) Floor leveling compounds (white).
- i) Rubber window sealants / gaskets (black).
- j) Window caulking (black silicone type).
- k) Cove base (4" and 6" various colors) and cove base mastics (brown, dark brown and clear).
- l) Tackboards and mastics.
- m) Paper and fiberglass insulation above metal ceiling tiles at Teach. Serv. D102, Kitchen D104, Seryery D105, Hall D110, Dishwashing D111 and Storage D114.
- n) Formica countertops and glues.
- o) Pipe insulation (fiberglass) on straight pipe runs.
- p) Ceramic base tile (4"x6" white), grout and glues at Cafeteria D101.

f. Building E (Gymnasium Building):

1) Exteriors:

- a) Paints.
- b) Stucco / plaster at window panels and walls.
- c) Gasket (black) at sidelight windows at doors.
- d) Roofing materials (Abated in 1991).

2) Interiors:

- a) Paints.
- b) Plaster (white finish coat plaster and gray base coat plaster at walls and ceilings).
- c) Plaster finish coating (white finish coat plaster over concrete at walls).
- d) Gypsum board and taping compounds at walls at Girls L.R. E115 and E117, Team Rooms E112 and 113 and Storage E114.
- e) Acoustical ceiling tiles (12"x12") and mastics.
- f) Floor tiles (12"x12" white and black floor tiles and yellow / brown glue) at Boys Locker Room E132 (at entry) and the ST02 Stair (landing).
- g) Carpet and carpet glues at PE Office E125 (*Note: there is asbestos*

*containing floor tile and mastic below the carpet).*

- h) Floor leveling compounds (white).
- i) Cove base (4" and 6" various colors) and cove base mastics (brown, dark brown and clear).
- j) Sheet vinyl countertops, backing and glues.
- k) Vibration dampers on HVAC equipment.
- l) Pipe insulation (fiberglass) on straight pipe runs.
- m) Ceramic floor and base tiles (1.5"x1.5" blue, gray and tan), grout, glues and mortar at Restroom E105, Team Rooms E112 and E113, Storage E114, Shower E116, Boys E130, Team Room E131, Coach LR (Boys) E132 and Custodian E134.
- n) Mastic (black) below rubber flooring at Exercise Room E209.
- o) Felt vapor barrier and black mastic located below hardwood flooring at Gymnasium 207, Exercise Room E208, Exercise Room E209 and Equipment E210.
- p) Acoustical wall tile (12"x12" white) and mastic (brown) at Storage E137.

5. Areas and/or Spaces known or presumed to be contaminated with asbestos containing materials, dust, and debris include:

a. Not used.

6. Areas and/or Spaces where asbestos abatement was conducted include:

- a. The asbestos containing fire curtain at Stage 202 in the Auditorium Building was removed in 1994.
- b. All asbestos containing floor tile and mastic were removed from Classrooms B109, B111, B127, B129 and B130, Storage B132, Classroom B134 and AOIT Lab B136 at the Classroom Building from 1993 to 2002.
- c. All asbestos containing roofing materials were removed from the Building B and Building E in 1991.

#### D. Lead Hazards at Burton High School

1. Lead has been detected in individual painted surfaces and surface coatings in concentrations greater than 5,000 parts per million (ppm) lead or 1.0 milligram of lead per square centimeter ( $\text{mg}/\text{cm}^2$ ). Where ranges of lead levels are indicated, Contractor shall presume the highest level is typical. These lead containing surfaces include, but are not limited to the following:

a. Exterior Site:

- 1) Paints on the metal door frame at the Track and Field Storage located at the Football Field ( $1.5 \text{ mg}/\text{cm}^2$ ).

b. Building A (Auditorium Building):

1) Exteriors:

- a) No painted building materials identified to contain lead at or above 1.0

mg/cm<sup>2</sup> or 5,000 ppm lead.

2) Interiors:

- a) Metal structural components (exposed and concealed) including I-beams, C-channel, angle iron, trusses, supports, brackets, etc. (1.0 to 2.4 mg/cm<sup>2</sup>).
- b) Metal drystand piping at Stage A202 (>9.9 mg/cm<sup>2</sup>).
- c) Metal lockers (1.0 mg/cm<sup>2</sup>).
- d) Metal railings, stringers, baseboard and I-beams at the stairs leading to the Balcony at Instrumental Room A215 (1.0 to 2.0 mg/cm<sup>2</sup>).
- e) Metal railings at the Balcony outside Practice Rooms A306, A307, A308, A309 and A310 (1.8 mg/cm<sup>2</sup>).
- f) Metal stairs including baseboard, stringers, I-beams, railings, stair treads and platform floor at the Stairs leading from Stage A202 to Light Gallery A311 (1.0 to 3.4 mg/cm<sup>2</sup>).
- g) Metal cage / framing at Light Gallery A311 (1.0 mg/cm<sup>2</sup>).
- h) metal stairs including baseboard, stringers, I-beams, railings, stair treads and platform floor at the Stairs at the Auditorium Plenum (1.0 to 2.8 mg/cm<sup>2</sup>).
- i) Metal stairs including baseboard, stringers, I-beams, railings and platform floor Counterweight Gallery (2.6 to 3.4 mg/cm<sup>2</sup>).
- j) Roof access ladder leading from Stage A202 to Counterweight Gallery (3.1 Metal I-beams, C-channel, angle iron, trusses and structural supports (1.0 to 2.8 mg/cm<sup>2</sup>).
- k) Roof access ladders (1.0 to 2.8 mg/cm<sup>2</sup>).

c. Building B (Classroom Building):

1) Exteriors:

- a) No painted building materials identified to contain lead at or above 1.0 mg/cm<sup>2</sup> or 5,000 ppm lead.

2) Interiors:

- a) Metal structural components (exposed and concealed) including I-beams, C-channel, angle iron, trusses, supports, brackets, etc. (1.0 to 2.7 mg/cm<sup>2</sup>).
- b) Paints on metal stair baseboard, stringers, I-beams and railings at the Stairs BST 00, BST01, BST02, BST03 and BST04 at ALL Floors (1.0 to 4.7 mg/cm<sup>2</sup>).
- c) Paints on metal stair baseboard, stringers, treads and railings at the Boiler Room B001 (1.0 to 1.0 mg/cm<sup>2</sup>).

d. Building C (Art and Science Building):

1) Exteriors:

- a) No painted building materials identified to contain lead at or above 1.0 mg/cm<sup>2</sup> or 5,000 ppm lead.

- 
- 2) Interiors:
- a) Metal structural components (exposed and concealed) including I-beams, C-channel, angle iron, trusses, supports, brackets, etc. (1.0 to 2.8 mg/cm<sup>2</sup>).
  - b) Metal storefront assemblies including window sash, window wall, window framing and door framing at north and south elevations (1.0 to 1.0 mg/cm<sup>2</sup>).
- e. Building D (Cafeteria Building):
- 1) Exteriors:
    - a) Paints on metal door framing / casing at Garbage D113 (1.0 mg/cm<sup>2</sup>).
  - 2) Interiors:
    - a) Metal door framing / casing at Garbage D113 (1.0 mg/cm<sup>2</sup>).
    - b) Metal corner trim at concrete columns (square) at Cafeteria D101 (1.0 mg/cm<sup>2</sup>).
- f. Building E (Gymnasium Building):
- 1) Exteriors:
    - a) No painted building materials identified to contain lead at or above 1.0 mg/cm<sup>2</sup> or 5,000 ppm lead.
  - 2) Interiors:
    - a) Metal structural components (exposed and concealed) including I-beams, C-channel, angle iron, trusses, supports, brackets, etc. (1.0 to 2.8 mg/cm<sup>2</sup>).
2. Lead has been identified in individual painted surfaces and surface coatings in concentration less than 5,000 ppm lead or 1.0 mg/cm<sup>2</sup>. Where ranges of lead levels are indicated, Contractor shall presume the highest level is typical. These lead containing surfaces include, but are not limited to the following surfaces:
- a. Exterior Site:
- 1) Paints on ALL of the following building materials:
    - Wood backstop at the baseball diamond (-0.2 mg/cm<sup>2</sup>).
    - Wood benches (-0.3 to 0.2 mg/cm<sup>2</sup>).
    - Wood bleachers (-0.2 to 0.1 mg/cm<sup>2</sup>).
    - Wood flag pole (0.0 mg/cm<sup>2</sup>).
    - Wood parking curbs (0.7 mg/cm<sup>2</sup>).
    - Metal bleacher and bench brackets (-0.2 to 0.6 mg/cm<sup>2</sup>).

- 
- Metal chain link fencing and gates (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Metal flag pole base (0.4 mg/cm<sup>2</sup>).
  - Metal hand rails and railings (0.2 to 0.4 mg/cm<sup>2</sup>).
  - Metal light poles (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Concrete bench supports (-0.1 mg/cm<sup>2</sup>).
  - Concrete columns, overhangs, covered parking, curbs, planter boxes, retaining walls, stairs, and ramps (-0.4 to 0.2 mg/cm<sup>2</sup>).
  - Paint striping at stair treads, parking areas, outdoor sport courts and the football / track fields (-0.3 to 0.3 mg/cm<sup>2</sup>).
  - Paint coating at sport courts and the track (-0.1 to 0.2 mg/cm<sup>2</sup>).
- 2) Paints on the metal door at the Track and Field Storage at the Football Field (-0.2 mg/cm<sup>2</sup>).
- 3) Paints on the concrete walls and window sills at the Track and Field Storage at the Football Field (-0.1 to -0.1 mg/cm<sup>2</sup>).
- b. Building A (Auditorium Building):
- 1) Exteriors:
- a) Paints on ALL of the following building materials:
- Metal doors, door framing / casing and sidelights (-0.6 to 0.4 mg/cm<sup>2</sup>).
  - Metal drain piping (-0.2 mg/cm<sup>2</sup>).
  - Metal window wall paneling (-0.2 mg/cm<sup>2</sup>).
  - Metal window sash and framing (-0.2 to 0.0 mg/cm<sup>2</sup>).
  - Concrete walls, columns and ceilings (-0.1 to 0.2 mg/cm<sup>2</sup>).
  - Stucco / plaster window panels (0.1 mg/cm<sup>2</sup>).
- 2) Interiors:
- a) Paints, stains and / or glazings on ALL of the following building materials:
- Wood baseboards (-0.1 to 0.1 mg/cm<sup>2</sup>).
  - Wood auditorium seating (-0.3 mg/cm<sup>2</sup>).
  - Wood benches, metal armrests and metal support posts (-0.2 to 0.4 mg/cm<sup>2</sup>).
  - Wood casework, cabinets and shelving (-0.3 to 0.2 mg/cm<sup>2</sup>).
  - Wood and metal doors and door framing / casing, jambs and trim (-0.5 to 0.2 mg/cm<sup>2</sup>).
  - Wood handrails (-0.3 to 0.0 mg/cm<sup>2</sup>).
  - Hardwood flooring (-0.2 to 0.0 mg/cm<sup>2</sup>).
  - Metal window sash, window panels, window wall framing and window framing (-0.4 to 0.2 mg/cm<sup>2</sup>).
  - Metal roll-up door and frame (0.0 to 0.2 mg/cm<sup>2</sup>).
  - Metal baseboards (0.2 mg/cm<sup>2</sup>).
  - Metal Fan equipment and shrouds (0.0 to 0.2 mg/cm<sup>2</sup>).



- Metal HVAC ducting (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Metal louvered vents (0.0 mg/cm<sup>2</sup>).
  - Metal counter weight framing and brackets (0.0 mg/cm<sup>2</sup>).
  - Metal curtain cage (0.0 mg/cm<sup>2</sup>).
  - Metal drain piping (0.3 mg/cm<sup>2</sup>).
  - Metal fire sprinkler piping (0.0 to 0.1 mg/cm<sup>2</sup>).
  - Metal gas piping (-0.2 mg/cm<sup>2</sup>).
  - Metal sewer piping (0.2 mg/cm<sup>2</sup>).
  - Metal fire extinguisher panels (-0.2 mg/cm<sup>2</sup>).
  - Metal electrical panels (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Metal conduit (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Metal flooring panels (-0.1 mg/cm<sup>2</sup>).
  - Metal security screens (0.2 to 0.3 mg/cm<sup>2</sup>).
  - Metal toilet partitions (-0.2 to 0.5 mg/cm<sup>2</sup>).
  - Concrete walls, columns and ceilings (-0.2 to 0.2 mg/cm<sup>2</sup>).
  - Concrete floors (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Plaster walls, soffits and ceilings (-0.5 to 0.5 mg/cm<sup>2</sup>).
  - Acoustic plaster ceilings (-0.3 to 0.3 mg/cm<sup>2</sup>).
  - Stucco / plaster window panels (0.3 mg/cm<sup>2</sup>).
  - Vinyl / canvas wall coverings (-0.1 to 0.3 mg/cm<sup>2</sup>).
  - Acoustical wall panels (0.0 mg/cm<sup>2</sup>).
  - 12"x12" ceiling and wall tiles (-0.3 to 0.0 mg/cm<sup>2</sup>).
  - 2'x2' and 2'x4' acoustic ceiling tiles (-0.1 to 0.4 mg/cm<sup>2</sup>).
  - Cork floor tile (-0.1 mg/cm<sup>2</sup>).
  - Formica and sheet vinyl countertops (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Canvas pipe insulation coverings (0.0 mg/cm<sup>2</sup>).
  - Paint striping at stair treads (-0.1 to 0.5 mg/cm<sup>2</sup>).
  - Tackboards (0.2 to 0.3 mg/cm<sup>2</sup>).
  - Ceramic wall, floor and base tile (-0.2 to -0.1 mg/cm<sup>2</sup>).
- b) Paints on wood cage framing at Light Gallery 311 (-0.2 mg/cm<sup>2</sup>).
- c) Paint on metal hand rails throughout excluding the Stairs leading from Stage 202 to Light Gallery 311 (0.0 to 0.2 mg/cm<sup>2</sup>).
- c. Building B (Classroom Building):
- 1) Exteriors:
- a) Paints on ALL of the following building materials:
- Metal doors, door framing / casing and sidelights (-0.4 to 0.6 mg/cm<sup>2</sup>).
  - Metal conduit (-0.2 to -0.1 mg/cm<sup>2</sup>).
  - Metal drain piping (-0.1 mg/cm<sup>2</sup>).
  - Metal hand rails (0.2 mg/cm<sup>2</sup>).
  - Metal louvered vents (-0.1 mg/cm<sup>2</sup>).
  - Metal security screens (0.2 mg/cm<sup>2</sup>).
  - Metal window wall paneling (-0.2 mg/cm<sup>2</sup>).

- Metal window sash and framing (-0.2 to 0.6 mg/cm<sup>2</sup>).
- Concrete walls, columns and ceilings (0.1 to 0.2 mg/cm<sup>2</sup>).
- Stucco / plaster window panels (0.3 mg/cm<sup>2</sup>).

2) Interiors:

a) Paints, stains and / or glazings on ALL of the following building materials:

- Wood walls (-0.1 to 0.2 mg/cm<sup>2</sup>).
- Wood baseboards (-0.3 to 0.3 mg/cm<sup>2</sup>).
- Wood casework, cabinets and shelving (-0.3 to 0.0 mg/cm<sup>2</sup>).
- Wood display / trophy cases and trim (-0.4 to 0.1 mg/cm<sup>2</sup>).
- Wood and metal doors, door framing / casing, jambs and trim (-0.6 to 0.6 mg/cm<sup>2</sup>).
- Wood hand rails (-0.1 to 0.0 mg/cm<sup>2</sup>).
- Wood mirror framing (0.1 mg/cm<sup>2</sup>).
- Wood wall trim (-0.2 to 0.1 mg/cm<sup>2</sup>).
- Wood tackboard trim and tackboards (-0.2 to 0.7 mg/cm<sup>2</sup>).
- Wood window sills, casings and framing (-0.4 to 0.4 mg/cm<sup>2</sup>).
- Metal and wood toilet partitions (-0.2 to 0.0 mg/cm<sup>2</sup>).
- Metal elevator doors and door framing (-0.1 to 0.2 mg/cm<sup>2</sup>).
- Metal heater covers (-0.3 to 0.0 mg/cm<sup>2</sup>).
- Metal lockers (-0.3 to 0.0 mg/cm<sup>2</sup>).
- Metal HVAC duct work (-0.5 to 0.0 mg/cm<sup>2</sup>).
- Metal louvered vents (0.0 to 0.0 mg/cm<sup>2</sup>).
- Metal skylight framing (-0.3 to -0.2 mg/cm<sup>2</sup>).
- Metal drain piping (0.3 mg/cm<sup>2</sup>).
- Metal fire sprinkler piping (-0.1 to 0.0 mg/cm<sup>2</sup>).
- Metal gas piping (0.4 mg/cm<sup>2</sup>).
- Metal sewer piping (0.0 mg/cm<sup>2</sup>).
- Metal fire extinguisher panels (-0.2 to -0.1 mg/cm<sup>2</sup>).
- Metal electrical panels (-0.3 to -0.1 mg/cm<sup>2</sup>).
- Metal conduit (-0.1 to 0.4 mg/cm<sup>2</sup>).
- Metal wall framing at wall corners (0.0 mg/cm<sup>2</sup>).
- Metal fencing at Storage Rooms (-0.1 mg/cm<sup>2</sup>).
- Metal boilers (-0.2 mg/cm<sup>2</sup>).
- Metal battery back-up cabinets (0.0 mg/cm<sup>2</sup>).
- Metal air compressors (0.1 mg/cm<sup>2</sup>).
- Metal holding tank (-0.1 mg/cm<sup>2</sup>).
- Metal boiler and hot water equipment (0.0 mg/cm<sup>2</sup>).
- Metal hot water tank framing (0.1 mg/cm<sup>2</sup>).
- Metal incinerator door and frame (-0.2 to -0.1 mg/cm<sup>2</sup>).
- Metal roll-up door and framing (-0.1 to 0.0 mg/cm<sup>2</sup>).
- Metal wall panels (-0.2 to -0.1 mg/cm<sup>2</sup>).
- Gypsum board walls (-0.4 to 0.0 mg/cm<sup>2</sup>).
- Concrete walls, columns and ceilings (-0.3 to 0.4 mg/cm<sup>2</sup>).
- Plaster walls, soffits and ceilings (-0.5 to 0.5 mg/cm<sup>2</sup>).

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- Acoustic plaster ceilings (0.1 to 0.3 mg/cm<sup>2</sup>).
  - Stucco / plaster window panels (0.3 mg/cm<sup>2</sup>).
  - Canvas / vinyl wall coverings (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Canvas pipe and hot water tank insulation coverings (-0.3 to 0.3 mg/cm<sup>2</sup>).
  - 12"x12" ceiling tiles (-0.2 to 0.1 mg/cm<sup>2</sup>).
  - 2'x2' acoustic ceiling tiles (-0.5 to 0.0 mg/cm<sup>2</sup>).
  - Fiberboard chalkboards (0.4 mg/cm<sup>2</sup>).
  - Formica and sheet vinyl countertops (-0.3 to -0.2 mg/cm<sup>2</sup>).
  - Ceramic wall, floor and base tile (-0.4 to 0.1 mg/cm<sup>2</sup>).
  - Ceramic tile at columns (-0.3 to -0.1 mg/cm<sup>2</sup>).
  - Terrazzo flooring and base (-0.4 to 0.0 mg/cm<sup>2</sup>).
  - Window glazing (glass, painted) (-0.6 mg/cm<sup>2</sup>).
- b) Paints on metal window sash and window framing throughout excluding Storage B102, Resource Room B200, Classrooms B218, B224, B226 and, B234, Spec. Ed. B238 and Classrooms B324 and B328 (-0.4 to 0.6 mg/cm<sup>2</sup>).
- c) Paints on metal grab bars at Corridors (at drinking fountains) and Toilets (-0.1 to 0.0 mg/cm<sup>2</sup>).
- d) Paints on the metal railings at B1CN Entry (-0.1 mg/cm<sup>2</sup>).
- e) Paint striping at stair treads (-0.1 to 0.5 mg/cm<sup>2</sup>).
- d. Building C (Art and Science Building):
- 1) Exteriors:
- a) Paints on ALL of the following building materials:
- Metal doors, door framing / casing and sidelights (-0.4 to -0.3 mg/cm<sup>2</sup>).
  - Metal hand rails (0.3 to 0.5 mg/cm<sup>2</sup>).
  - Metal overhangs (-0.2 mg/cm<sup>2</sup>).
  - Metal drain piping (-0.1 mg/cm<sup>2</sup>).
  - Metal roof flashings (-0.1 mg/cm<sup>2</sup>).
  - Metal security screens (-0.1 to -0.1 mg/cm<sup>2</sup>).
  - Metal wall panels (-0.2 mg/cm<sup>2</sup>).
  - Metal window panels (0.0 to 0.2 mg/cm<sup>2</sup>).
  - Metal window sash, window walls and framing (0.0 to 0.5 mg/cm<sup>2</sup>).
  - Concrete walls, columns, overhangs and ceilings (-0.1 to 0.2 mg/cm<sup>2</sup>).
  - Stucco / plaster window panels (0.3 mg/cm<sup>2</sup>).
- 2) Interiors:
- a) Paints, stains and / or glazings on ALL of the following building materials:
- Wood and metal toilet partitions (-0.5 to -0.2 mg/cm<sup>2</sup>).

- 
- Wood tackboard trim and tackboards (-0.3 to 0.2 mg/cm<sup>2</sup>).
  - Wood baseboards (-0.2 to 0.3 mg/cm<sup>2</sup>).
  - Wood casework, cabinets and shelving (-0.4 to 0.0 mg/cm<sup>2</sup>).
  - Wood walls (-0.4 to -0.1 mg/cm<sup>2</sup>).
  - Wood window casing / framing and trim (-0.2 to 0.1 mg/cm<sup>2</sup>).
  - Wood and metal doors (-0.6 to 0.0 mg/cm<sup>2</sup>).
  - Wood and metal door framing / casing / jambs and trim (-0.3 to 0.3 mg/cm<sup>2</sup>).
  - Metal window panels (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Metal sidelight framing (0.0 mg/cm<sup>2</sup>).
  - Metal skylights / framing (-0.1 mg/cm<sup>2</sup>).
  - Metal ceiling framing / grid for gypsum board ceiling panels (0.0 to 0.0 mg/cm<sup>2</sup>).
  - Metal ceiling access panels (0.1 mg/cm<sup>2</sup>).
  - Metal conduit and electrical panels (-0.1 to 0.1 mg/cm<sup>2</sup>).
  - Metal drain and fire sprinkler piping (-0.2 to 0.5 mg/cm<sup>2</sup>).
  - Metal fire extinguisher panels (-0.2 to -0.1 mg/cm<sup>2</sup>).
  - Metal hand rails (0.2 mg/cm<sup>2</sup>).
  - Metal HVAC duct work (-0.2 to -0.1 mg/cm<sup>2</sup>).
  - Metal lockers (-0.1 mg/cm<sup>2</sup>).
  - Gypsum board walls and ceilings (-0.4 to 0.1 mg/cm<sup>2</sup>).
  - Concrete walls, columns and ceilings (-0.3 to 0.6 mg/cm<sup>2</sup>).
  - Plaster walls and ceilings (-0.3 to 0.3 mg/cm<sup>2</sup>).
  - Stucco / plaster window panels (0.3 mg/cm<sup>2</sup>).
  - Canvas / vinyl wall coverings (-0.3 to -0.1 mg/cm<sup>2</sup>).
  - 12"x12" ceiling tiles (-0.1 to 0.1 mg/cm<sup>2</sup>).
  - 2'x4' acoustic ceiling tiles (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Ceramic floor and base tile (-0.3 to -0.1 mg/cm<sup>2</sup>).
- b) Paints on metal window sash and window framing throughout excluding Science Lab S101, Prep Room S102, Science Lab S103, Ceramics S200, Kiln Room S200A and Science Classroom S202 and S204 (-0.3 to 0.5 mg/cm<sup>2</sup>).
- e. Building D (Cafeteria Building):
- 1) Exteriors:
    - a) Paints on ALL of the building materials:
      - Metal doors (-0.3 mg/cm<sup>2</sup>).
      - Metal louvered vents (0.0 mg/cm<sup>2</sup>).
      - Metal security screens (0.3 mg/cm<sup>2</sup>).
      - Metal window sash, window walls, window panels and framing (-0.1 to 0.6 mg/cm<sup>2</sup>).
      - Concrete walls, columns, overhangs and ceilings (-0.2 to 0.3 mg/cm<sup>2</sup>).
      - Stucco / plaster window panels (-0.3 mg/cm<sup>2</sup>).

- b) Paints on metal door framing / casing throughout excluding Garbage D113 (0.5 mg/cm<sup>2</sup>).

2) Interiors:

- a) Paints, stains and / or glazings on ALL of the following building materials:

- Wood baseboards (0.0 mg/cm<sup>2</sup>).
- Wood casework, cabinets and shelving (-0.1 mg/cm<sup>2</sup>).
- Wood and metal doors (-0.2 to -0.1 mg/cm<sup>2</sup>).
- Wood door framing / casing, jambs and trim (-0.4 to 0.0 mg/cm<sup>2</sup>).
- Wood walls (-0.5 to 0.0 mg/cm<sup>2</sup>).
- Wood casing / framing, sills and trim (-0.4 to 0.0 mg/cm<sup>2</sup>).
- Metal baseboards (0.0 mg/cm<sup>2</sup>).
- Metal ceiling panels (-0.1 to -0.1 mg/cm<sup>2</sup>).
- Metal fire hose and extinguisher cabinets (-0.4 to 0.0 mg/cm<sup>2</sup>).
- Metal grab bars / hand rails (0.1 mg/cm<sup>2</sup>).
- Metal window sash, window framing / casing, mullions and window panels (0.0 to 0.4 mg/cm<sup>2</sup>).
- Concrete floor and base (-0.3 to -0.1 mg/cm<sup>2</sup>).
- Plaster walls, soffits and ceilings (-0.2 to 0.1 mg/cm<sup>2</sup>).
- Canvas / vinyl wall coverings (0.3 mg/cm<sup>2</sup>).
- 12"x12" ceiling and wall tiles (-0.1 to 0.1 mg/cm<sup>2</sup>).
- Tackboards (-0.3 to 0.4 mg/cm<sup>2</sup>).
- Ceramic tile base (0.2 to 0.4 mg/cm<sup>2</sup>).

- b) Paints on metal door framing / casing throughout excluding Garbage D113 (0.0 to 0.5 mg/cm<sup>2</sup>).

- c) Paints on the wood and metal enclosed serving area at Cafeteria D101 (-0.2 to 0.0 mg/cm<sup>2</sup>).

f. Building E (Gymnasium Building):

1) Exteriors:

- a) Paints on ALL of the building materials:

- Metal doors and door framing / casing (-0.5 to 0.4 mg/cm<sup>2</sup>).
- Metal window wall paneling (-0.3 to 0.2 mg/cm<sup>2</sup>).
- Metal window sash and framing (-0.3 to 0.3 mg/cm<sup>2</sup>).
- Metal gates (0.1 mg/cm<sup>2</sup>).
- Metal hand rails and railings (0.0 to 0.5 mg/cm<sup>2</sup>).
- Metal louvered vents (0.0 mg/cm<sup>2</sup>).
- Concrete overhangs (0.3 mg/cm<sup>2</sup>).
- Concrete stairs (-0.1 to 0.5 mg/cm<sup>2</sup>).
- Paint striping at concrete stair treads (0.1 to 0.3 mg/cm<sup>2</sup>).
- Concrete walls, columns and ceilings (-0.2 to 0.7 mg/cm<sup>2</sup>).

- Stucco / plaster window panels (-0.1 mg/cm<sup>2</sup>).
- 2) Interiors:
- a) Paints, stains and / or glazings on ALL of the following building materials:
- Wood walls (-0.3 to -0.2 mg/cm<sup>2</sup>).
  - Wood and metal doors and door framing / casing, jambs and trim (-0.6 to 0.6 mg/cm<sup>2</sup>).
  - Wood baseboards (0.1 to 0.1 mg/cm<sup>2</sup>).
  - Wood benches and metal bench posts (-0.2 to -0.1 mg/cm<sup>2</sup>).
  - Wood and metal hand rails (-0.2 to 0.4 mg/cm<sup>2</sup>).
  - Wood mirror framing (-0.1 mg/cm<sup>2</sup>).
  - Metal window wall paneling (-0.3 to 0.2 mg/cm<sup>2</sup>).
  - Metal window sash and framing (-0.3 to 0.3 mg/cm<sup>2</sup>).
  - Metal security screens and doors (-0.1 to 0.4 mg/cm<sup>2</sup>).
  - Metal lockers (-0.3 to -0.1 mg/cm<sup>2</sup>).
  - Metal fire extinguisher panels (0.1 mg/cm<sup>2</sup>).
  - Metal Fan equipment and shrouds (-0.1 to 0.0 mg/cm<sup>2</sup>).
  - Metal HVAC ducting (-0.4 to -0.1 mg/cm<sup>2</sup>).
  - Metal medicine cabinets (0.0 mg/cm<sup>2</sup>).
  - Metal drain piping (0.3 to 0.4 mg/cm<sup>2</sup>).
  - Metal fire sprinkler piping (-0.1 to 0.3 mg/cm<sup>2</sup>).
  - Metal gas piping (0.4 mg/cm<sup>2</sup>).
  - Metal sewer piping (0.0 mg/cm<sup>2</sup>).
  - Metal shower stalls (0.1 mg/cm<sup>2</sup>).
  - Metal toilet partitions (-0.3 to -0.1 mg/cm<sup>2</sup>).
  - Metal stair treads and stringers at Mechanical (0.0 to 0.5 mg/cm<sup>2</sup>).
  - Gypsum board walls and ceilings (-0.3 to 0.1 mg/cm<sup>2</sup>).
  - Concrete walls, columns and ceilings (-0.2 to 0.7 mg/cm<sup>2</sup>).
  - Concrete floors and base (-0.2 to 0.0 mg/cm<sup>2</sup>).
  - Plaster walls and ceilings (-0.3 to 0.3 mg/cm<sup>2</sup>).
  - Stucco / plaster window panels (-0.1 mg/cm<sup>2</sup>).
  - Canvas pipe coverings (-0.2 to 0.1 mg/cm<sup>2</sup>).
  - Tackboards and wood tackboard trim (0.0 to 0.1 mg/cm<sup>2</sup>).
  - 12"x12" ceiling tiles (-0.2 to 0.1 mg/cm<sup>2</sup>).
  - Paint stair striping (0.0 to 0.0 mg/cm<sup>2</sup>).
  - Ceramic floor and base tile (-0.5 to -0.1 mg/cm<sup>2</sup>).
- b) Paints on metal beams at the Mechanical Room E139 (-0.3 mg/cm<sup>2</sup>).
3. The Contractor shall assume that all paints and surface coatings contain detectable quantities of lead requiring compliance with CAL/OSHA lead regulation in the absence of objective data to the contrary. Additionally, the Contractor shall assume that, at a minimum, lead is "present" in all of these materials at levels that have a potential, until proven otherwise, to create a lead

hazard.

4. The District has not verified that any paints, coatings, dusts, or materials are "lead free" or below 600 ppm. The Contractor shall treat all paints, coatings, dusts or materials as having a lead content greater than 600 ppm requiring dust controls and personal protective procedures for construction activities in conformance with the Cal/OSHA Lead Construction Standard, 8 CCR 1532.1 lead. Any paint, varnish, or other coating or finish not listed above shall be considered to be lead-based paint with lead levels at or exceeding 5000 ppm lead or 1.0 mg/cm<sup>2</sup> for this contract.
  5. All firms, including sub-contracted firms who impact lead-based paint (LBP) (5,000 ppm lead or 1.0 mg/cm<sup>2</sup> or greater) at Child Occupied Facilities shall conduct all work in accordance with 40 CFR Part 745. This includes but is not limited to being an EPA certified firm; having an EPA "Certified Renovator"; providing "on-the-job" training for workers; conducting pre-renovation notifications; following specific work practice procedures for containment, disturbance and final clean-up; and inspection requirements. Renovation is defined in 40 CFR Part 745 as the modification to any existing structure or portion that results in the disturbance of LBP surfaces, unless the activity is performed as part of an abatement. In essence this regulation includes all work activities that disturb LBP surfaces.
  6. The EPA certified Contractor or Sub-contractor(s) "Certified Renovator" shall be responsible for identifying the specific job activities which impact lead-based paint (LBP) during renovation that requires the use of "containment" as described in 40 CFR Part 745. Work also includes but is not limited to provide "on-the-job" training for workers; conduct pre-renovation notifications; follow specific work practice procedures for containment, disturbance and final clean-up; and inspection requirements as defined by regulation.
  7. In addition to lead-containing paints and coatings, the Contractor shall assume that lead is present at detectable levels over 600 ppm in existing plumbing components and solders, glazing compounds, roof jacks, and surficial soils.
- E. Metallic Mercury and mercury compounds are present at this site in fluorescent lighting tubes, high intensity discharge lamps, mercury switches and mercury thermostats. All demolition and disposal of these items shall be conducted in accordance with applicable safety and environmental regulation and the requirements of the Contract Documents.
- F. Polychlorinated biphenyl (PCB)-containing fluorescent lighting ballasts. This site contains fluorescent lighting fixtures manufactured or installed prior to 1979. All fixtures known or presumed to have been installed prior to 1979 shall be considered to contain PCB ballasts unless otherwise noted in the contract documents. Removal, handling and disposal of PCB ballasts is subject to applicable regulation and requirements of the Contract Documents.
- G. Window putties/glazing compounds and window and door frame caulking at all buildings have been sampled for the presence of PCBs. Sample analysis revealed that PCBs were not identified in any of the window putties/glazing compounds and window and door frame caulking.

- H. Crystalline Silica is presumed present in all concrete, plaster, ceramic tile, grouts, and other cementitious materials at this site as well as soils. Worker protection and control of air dust during cutting, drilling, demolition and other construction operations is the responsibility of the Contractor.
- I. The Contractor shall take into consideration all existing known and presumed hazardous materials that may be disturbed or otherwise impacted by the Work of this project. All work of this project that disturbs or otherwise impacts hazardous material shall be considered included in the Work of the project and shall be conducted in accordance with all applicable regulations and the Contract Documents. The Contractor shall use appropriately trained and qualified personnel to conduct all hazardous material related work and shall adhere to the requirements for handling, removal, clean-up, and disposal in accordance with the Contract Documents and all applicable Cal/OSHA, Cal/EPA, Department of Health Services (DHS), and Bay Area Air Quality Management District (BAAQMD) regulations.

### 1.03 RELATED DOCUMENTS

- A. Contract Documents including hazardous material-related plans and specifications and all other project construction documents. Refer to Section 01011 Summary of Hazardous Materials Work, Article 1.04 Related Documents for a more detailed listing.

### 1.04 USE OF HAZARDOUS MATERIALS INFORMATION

- A. Hazardous material information identified herein was obtained for the use of the District and its Consultants for planning and design stages of the Project. The above mentioned survey data and reports are not, as a whole, part of the Contract Documents, but can be relied upon by the Contractor to characterize general site conditions, although quantities, friability and other factors may have changed or altered since the published report dates.
- B. All statements, findings and interpretations in the above mentioned reports are those of the Survey or Environmental Consultant. The District makes no representation, either expressed or implied, as to the completeness or adequacy of the above mentioned reports. Bidders are advised that the limited testing of components allows for generalizations in describing the extent of hazardous materials. Contractors may visit the site and investigate to identify locations of hazardous materials identified herein. Specific components or materials, should be checked against the referenced survey reports and the Contract Documents, or be tested at affected locations, prior to disturbance of such components.

PART 2 – PRODUCTS: NOT USED

PART 3 – EXECUTION: NOT USED

END OF SECTION