KSingh | Engineers Scientists Consultants

December 28, 2022

Ms. Jennifer Dorman
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
1027 West St. Paul Ave.
Milwaukee, WI 53233

Project # 40443A

Subject: **Third Round of Commissioning for Community Within the Corridor – West Block – Buildings 6, 7, 8A, and 8B**
3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210
BRRTS #: 02-41-587376, FID #: 341333190

Dear Ms. Dorman:

On behalf of the Community Within the Corridor Limited Partnership, K. Singh & Associates, Inc. (KSingh) is pleased to submit the results of the third round of Commissioning of the Vapor Mitigation System for Buildings 6, 7, 8A, and 8B for the Community Within the Corridor – West Block project. Commissioning was performed in accordance with the Commissioning Plan that was approved by WDNR on May 23, 2022.

Sub-slab Depressurization System Vacuum Measurements

The sub-slab depressurization system installed in Buildings 6, 7, 8A and 8B was tested on December 7, 2022. The locations of the relevant buildings in relation to the project area are shown in Figure 1. A handheld hammer drill was used to install vapor pins beneath the slab of the structure. A digital manometer was utilized to take measurements of vacuum below the slab after the vapor points passed a water dam test. Seventeen locations were chosen to take measurements to get an accurate model of sub-slab depressurization from each suction point. Vapor pins could not be advanced in five of the planned locations (SVP-2 through SVP-6) due to wood flooring present throughout Building 8A, except for in stairwells.

In accordance with a vapor mitigation system commissioning plan submitted by KSingh on April 21, 2022, a reading of 0.004 inches water was utilized to determine whether the system was adequately operating. Recorded measurements range from 0.005 to 0.154 inches of water, all of which are above the minimum measurement.

The locations and results of December 2022 sub-slab depressurization measurements are depicted on Figure 1 and summarized in Table 1. The greatest vacuum measurements are observed in the vicinity of the highest exceedances of vapor risk screening levels (VRSLs). The lowest vacuum readings are observed near the northern and southern ends of Building 8B outside the areas of documented exceedances of VRSLs. Based on the known VRSLs exceedances extents and the measured vacuum readings, the sub-slab depressurization system has exceeded its design requirements.

Passive Indoor Air Sampling

Following documentation of adequate sub-slab depressurization, passive air sampling was performed in accordance with the approved Commissioning Plan. A total of 38 passive air samplers were set up and sampled over a 1-week period from November 30, 2022 until December 7, 2022. The locations of the passive air samplers are included in Figure 2A through Figure 2H.

On December 7, 2022, the passive air samplers were submitted to Eurofins Air Toxics, LLC Folsom, CA for analysis for chlorinated solvents including Trichloroethylene (TCE), Tetrachloroethylene (PCE), cis-1,2-Dichloroethylene (cis-DCE), and trans-1,2-Dichloroethylene (trans-DCE). The results are included in Attachment A and summarized in Table 2.

Trichloroethene was reported in three samples (IA-6-Basement, IA-7-01C, IA-8A-Basement) greater than method detection limits. No air samples were in exceedance of the Residential Indoor Air Vapor Action Levels (VALs) based on the February 2022 Quick Look-Up Table from WDNR. The maximum concentration of TCE detected in indoor air was 0.34 ug/m^3. The maximum concentration of PCE detected was 7.0 ug/m^3.

Exhaust Sampling

Seven fans were installed on the roof of buildings 6, 7, 8A, and 8B as part of the vapor mitigation system. As part of commissioning, 1.4L Summa canisters provided by Synergy Environmental Lab, Inc. (Synergy) were utilized to gather air quality data from the seven fans on December 13, 2022. Samples were gathered for fifteen minutes via vapor lines extended into the fan system while the fans were operating. System tightness was confirmed with shut in testing, and sample lines were purged between each sample. Upon completion of sampling, cannisters were submitted to Synergy for analysis of TO-15 parameters.

Test results are included in Attachment B. Results from Synergy document concentrations of PCE and TCE in exhaust samples. PCE and TCE concentrations in exhaust samples are less than the Residential Indoor Air VAL. Based on the concentrations of PCE and TCE in the exhaust, some mass reduction is taking place in the sub-slab. The trend of PCE and TCE concentrations in the exhaust samples are shown on Figure 3 and demonstrate a declining trend.

The results of the December 2022 exhaust fan air quality sampling are summarized in Table 3 and the locations of sampled fans are included on Figure 1.

Remedial Actions Taken

The WDNR were notified of exceedances of the VAL of 2.1 ug/m^3 for TCE in three locations in November 2022 based on September data. The locations were sample IA-6-01A, IA-7-01A, and IA-8B-01B with concentrations of 2.7 ug/m^3, 2.1 ug/m^3, and 2.1 ug/m^3, respectively. Residents were notified of the exceedances and investigations were performed to determine the source. It is believed that the source was a duct containing electrical conduits connecting Building 5 to Building 6 and the source was indoor

air in the unoccupied Building 5. Further sealing with caulk was performed in the duct to prevent future migration of vapors.

Conclusions and Recommendations

The following conclusions were reached based on the sampling.

- Based on the results of sub-slab vacuum measurements, the vapor mitigation system installed on the subject site adequately creates vacuum beneath the building slab for buildings 6, 7, 8A, and 8B.
- Passive indoor air results show that TCE, PCE, cis-DCE, and trans DCE met their VALs at all sample locations.
- Fan emissions sampling indicates that PCE and TCE are still present in the sub-slab and that mass reduction is taking place with a declining trend in exhaust concentrations noted.
- The duct between building 5 and building 6 was sealed with caulk to prevent future vapor migration.
- Based on the results from the first three rounds of commissioning, the subslab depressurization system is operating as intended.

Please contact us if you have any questions or seek clarification regarding this information.

Sincerely,
K. SINGH & ASSOCIATES, INC.

Justin P. Bush
Staff Geologist

Robert T. Reineke, P.E
Project Manager

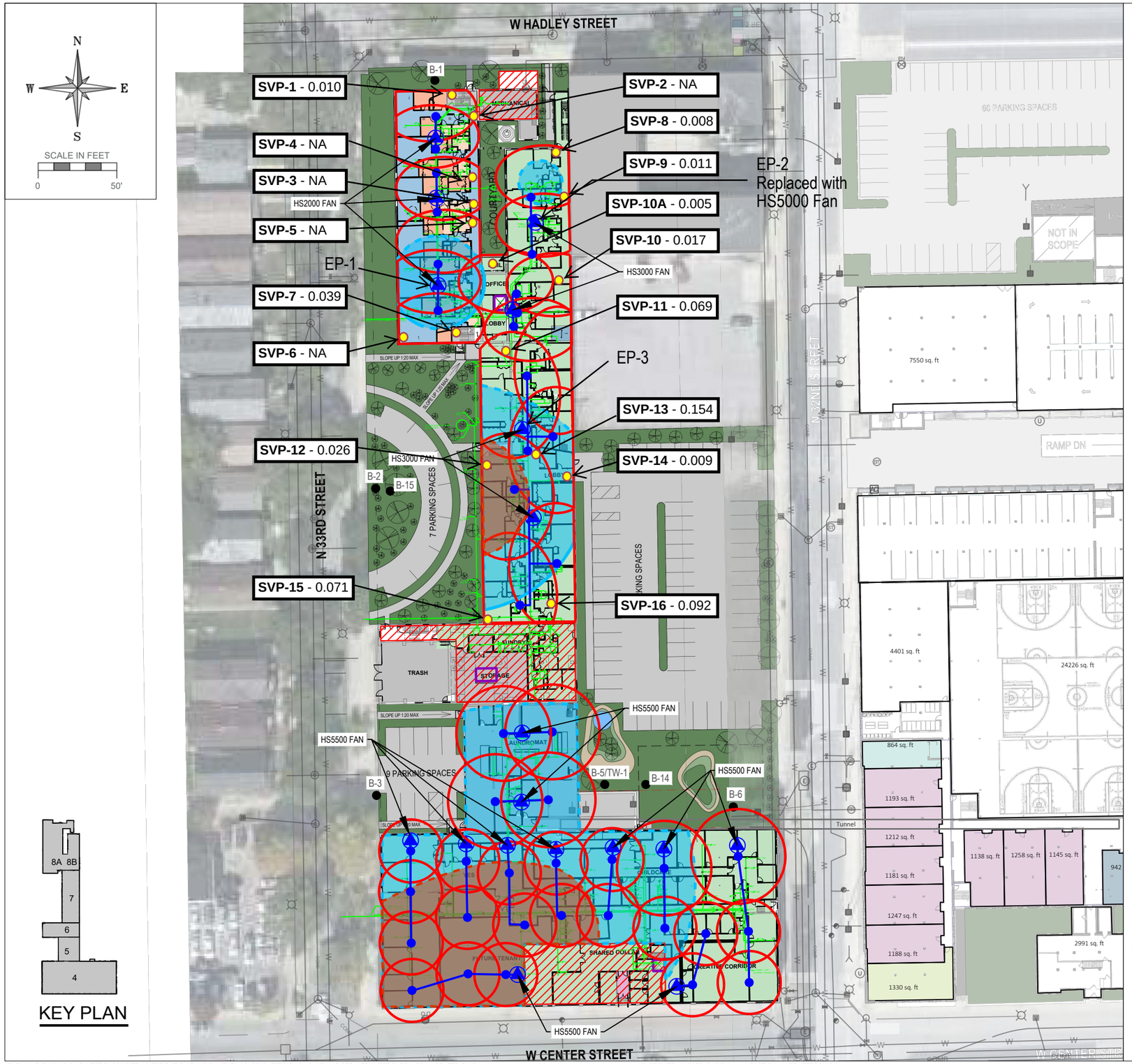
Pratap N. Singh, Ph.D., P.E.
Principal Engineer

cc: Shane LaFave / Roers Companies
Que El-Amin / Scott Crawford, Inc.

Attachments:

Figure 1	Sub-slab Depressurization Locations and Results
Figure 2A - Figure 2H	Indoor Air Sampling Locations
Figure 3	Exhaust Fan Trends
Table 1	Vacuum Measurement Results
Table 2	Passive Air Sampling Results for Commissioning
Table 3	Exhaust Fan Sampling Results
Attachment A	Passive Air Sampling Test Results
Attachment B	Exhaust Fan Sampling Test Results

FIGURES



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W E

S

SCALE IN FEET

0 50'

KEY PLAN

LEGEND

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Extraction Point Location
- 3" sch. 40 PVC pipe (may be modified)
- Exterior Fan Location
- Zone of Influence
- Approximate WI Residential VRSL Exceedance Extents
- Approximate WI Small Commercial VRSL Exceedance Extents
- Sub-slab Vapor Pin (SVP-xx)

NOTES:

1. MINIMUM OF 3.5" SLAB PENETRATION
2. 10-15 "GALL" SOIL REMOVED BENEATH SLAB TO ACT AS SUCTION PIT
3. SEE TABLE FOR RADII FOOTAGE
4. 3" SCH. 40 PVC
5. BALL VALVES FOR EACH EXTRACTION POINT TO REGULATE FLOW
6. MANOMETER AND VELOCITY PORTS FOR EACH EXTRACTION POINT TO MEASURE FLOW AND NEGATIVE PRESSURE
7. MANOMETER POINT AT EACH FAN INLET FOR NEGATIVE PRESSURE
8. EXHAUST VENTING 2 FT ABOVE ROOF AND/OR 12 FT FROM WINDOWS
9. MIN 1.5% SLOPE TOWARD EXTRACTION POINTS
10. ELECRICAL DISCONNECT AND OWN CIRCUT FOR EACH FAN
11. 2^X EXHAUST PIPING FOR HS FANS, 3^Y FOR GP501C
12. SEAL ALL CRACKS IN FLOORS
13. PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 50-MIL SUB-MEMBRANE.

KSingh Engineers Scientists Consultants
3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

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PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

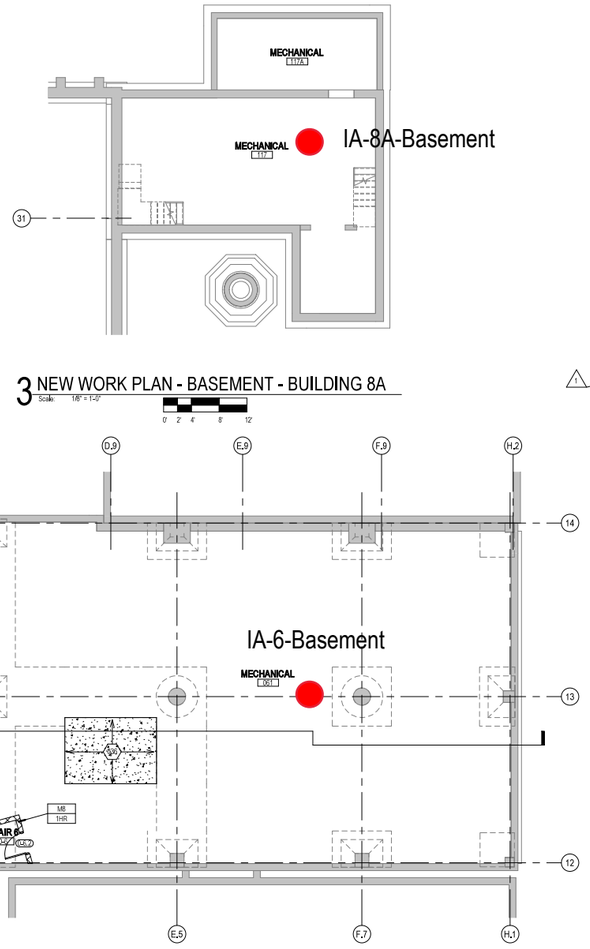
REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
JPB	06/02/2022
CHECKED BY	DATE
RTR	06/02/2022

SHEET TITLE
Sub-slab Depressurization Location and Results

FIGURE 1

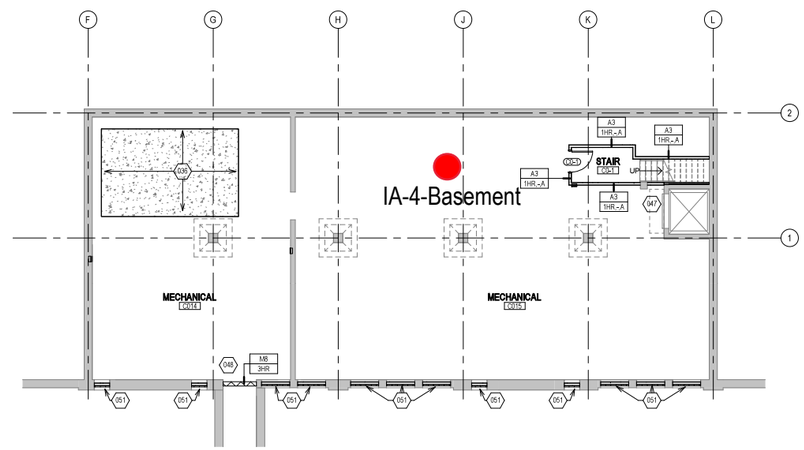
SHEET 6 of SHEET 6



3 NEW WORK PLAN - BASEMENT - BUILDING 8A

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

0' 2' 4' 8' 12'



2 NEW WORK PLAN - BASEMENT - BUILDING 6

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

0 2 4 8 12

1 NEW WORK PLAN - BASEMENT - BUILDING 4

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

0 2 4 8 12

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

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032	SEE UNIT 147 ENLARGED PLAN.
033	SEE UNIT 122 ENLARGED PLAN.
034	SEE UNIT 206 ENLARGED PLAN.
035	NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
036	NEW CONCRETE INFILL AT EXISTING PIT, MATCH ADJACENT FLOOR LEVEL, FINISH AND TEXTURE.
037	PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
038	NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL
039	NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
040	PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
041	NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING, SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042	NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARGE SURFACES TO MATCH ADJACENT HISTORIC PARGE IF PRESENT.
043	NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W FOR WALL ASSEMBLY.
044	PATCH & REPAIR DAMAGED WALL OPENING AT SILL. TOOTH IN SALVAGED BRICK WITH NEW MORTAR AND PROVIDE NEW SILL TO MATCH ADJACENT HISTORIC MASONRY.
045	PATCH & REPAIR DAMAGED AND MISSING PLASTER RETURNS AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS. SEE WINDOW DETAILS. AT THESE WALLS THERE WILL BE A FURRING WITH 5/8" GWB EXTENDING FROM FLOOR TO TOP OF WALL AT UNDERSIDE OF STRUCTURE.
046	PATCH & REPAIR DAMAGED AND MISSING PLASTER WOOD LATH FURRING WALL. PATCH AND REPAIR EXISTING RADIUSED PLASTER RETURN PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF THE SAME TYPE.
047	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
048	NEW CMU INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/A710W.
049	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
050	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

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051	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL 5/A510W.
052	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054	REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
055	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
056	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
057	EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
058	EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059	NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060	EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061	TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062	EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13/A510W.
063	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
064	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
065	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
066	ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
067	ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
068	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
069	NEW 2'X2' ACCESS DOOR W/ 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070	NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071	EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072	EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN FROM LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PERSENT. PROVIDE NEW STEEL HANDRAILS AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073	EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
074	PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
075	NEW CHAINLINK FENCE & GATES W PRIVACY SLATS.
076	BUILT TYPE PLUNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER SLOPE CONCRETE TOPPING 1:2% SLOPE MAX TO MEET EXISTING FINISH LEVEL AT TRANSITIONAREA TO STAIRS OR BETWEEN BUILDINGS.
078	NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079	PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

GENERAL FLOOR PLAN NOTES TO CONTRACTOR

1. THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
2. THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO-VISUAL, AND SECURITY DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE INFORMATION CONTAINED IN ALL THE DRAWINGS BEFORE THE INSTALLATION OF ALL WORK.
3. DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION.
4. FLOOR ELEVATIONS ARE TO THE TOP OF THE SUB-FLOOR MATERIAL UNLESS OTHERWISE NOTED.
5. CONTRACTORS SHALL JOINTLY PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES, WALL BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF CASEWORK, TOILET ACCESSORIES, PARTITIONS, MILLWORK, AND ALL WORK MOUNTED OR SUSPENDED BY ALL TRADES.

NEW WORK PLAN LEGEND

- EXISTING, TO REMAIN
- MASONRY PARTITION. SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION. SEE PARTITION TYPES FOR DETAILS TYPE A3 -A U.N.O.
- METAL STUD PARTITION. SEE PARTITION TYPES FOR DETAILS TYPE P6 THR.-A U.N.O.
- X — NEW WORK KEY NOTE

PATCH AND INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

T 414.220.9640

751 N Jefferson St.
Suite 200
Milwaukee, WI 53202

CONSULTANTS

COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

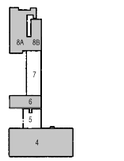
2758 N. 33RD STREET
MILWAUKEE, WI 53210

SHEET TITLE: **NEW WORK PLAN - BASEMENT - BUILDINGS 4, 6 & 8A**

REVISIONS:

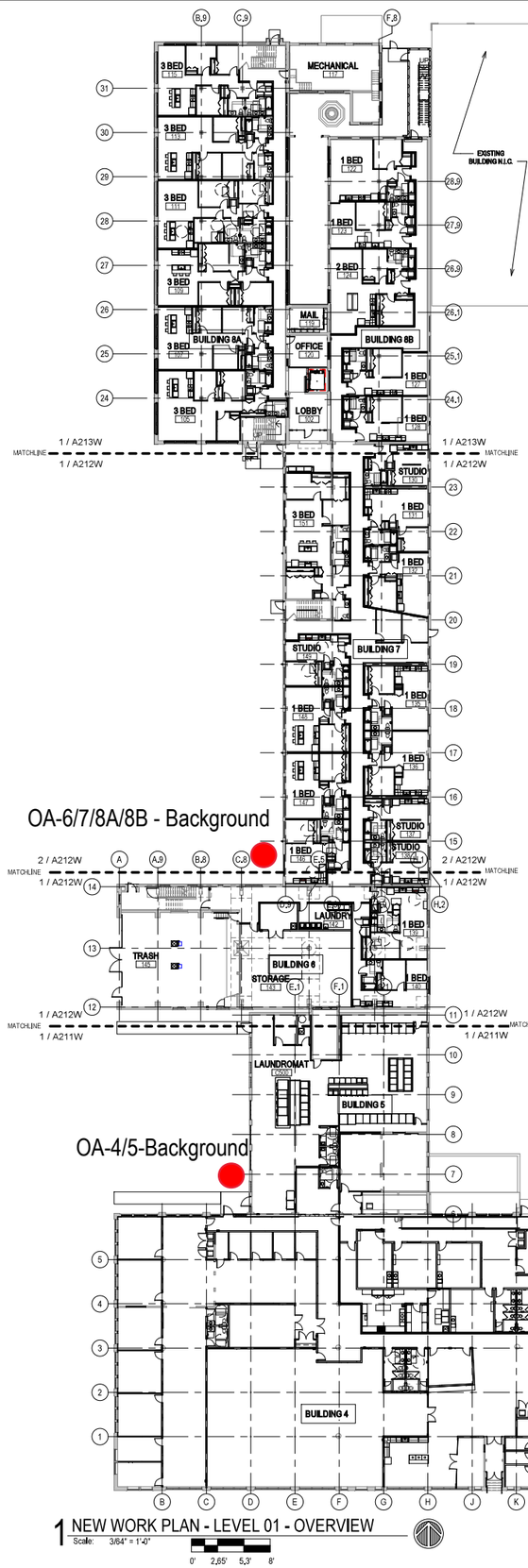
1 10/09/20 ADDENDUM #1

Figure 2A



KEY PLAN

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	**CONSTRUCTION DOCUMENTS**
DATE ISSUED	**9/25/20**
SHEET NUMBER	**A201W**



1 NEW WORK PLAN - LEVEL 01 - OVERVIEW
Scale: 3/64" = 1'-0"
0' 2,65' 5,3' 8'

NEW WORK PLAN KEY NOTES - 1/8" PLANS

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038	NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL.
039	NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
040	PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
041	NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042	NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARGE SURFACES TO MATCH ADJACENT HISTORIC PARGE IF PRESENT.
043	NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W FOR WALL ASSEMBLY.
044	PATCH & REPAIR DAMAGED WALL OPENING AT SILL. TOOTH IN SALVAGED BRICK WITH NEW MORTAR AND PROVIDE NEW SILL TO MATCH ADJACENT HISTORIC MASONRY.
045	PATCH & REPAIR DAMAGED AND MISSING PLASTER RETURNS AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS. SEE WINDOW DETAILS. AT THESE WALLS THERE WILL BE A FURRING WITH 5/8" GWB EXTENDING FROM FLOOR TO TOP OF WALL AT UNDERSIDE OF STRUCTURE.
046	PATCH & REPAIR DAMAGED AND MISSING PLASTER WOOD LATH FURRING WALL. PATCH AND REPAIR EXISTING RADIUSED PLASTER RETURN PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF THE SAME TYPE.
047	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
048	NEW CMU INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/A710W.
049	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
050	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

051	NEW METAL PANEL INFILL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL 4/A510W.
052	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054	REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
055	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
056	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
057	EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
058	EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059	NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060	EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061	TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062	EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13/A510W.
063	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
064	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
065	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
066	ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
067	ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
068	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
069	NEW 2'X3' ACCESS DOOR W 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070	NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071	EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072	EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN RISERS, 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PERSENT. PROVIDE NEW STEEL HANDRAILS AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073	EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
074	PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL. EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
075	NEW CHAINLINK FENCE & GATES W/ PRIVACY SLATS.
076	BUILD TYPE P6 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER CYPCRETE TOPPING 1:20 SLOPE MAX TO MEET EXISTING FINISH LEVEL AT TRANSITION AREA TO STAIRS OR BETWEEN BUILDINGS.
078	NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079	PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

GENERAL FLOOR PLAN NOTES TO CONTRACTOR

1. THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
2. THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO-VISUAL, AND SECURITY DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE INFORMATION CONTAINED IN ALL THE DRAWINGS BEFORE THE INSTALLATION OF ALL WORK.
3. DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION.
4. FLOOR ELEVATIONS ARE TO THE TOP OF THE SUB-FLOOR MATERIAL UNLESS OTHERWISE NOTED.
5. CONTRACTORS SHALL JOINTLY PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES, WALL BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF CASEWORK, TOILET ACCESSORIES, PARTITIONS, MILLWORK, AND ALL WORK MOUNTED OR SUSPENDED BY ALL TRADES.

NEW WORK PLAN LEGEND

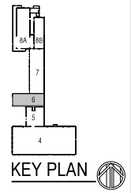
- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 / A — U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P5 / 1HR-A — U.N.O.
- X — NEW WORK KEY NOTE

PATCH AND INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL, SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL, SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

FLOOR ASSEMBLY SUMMARY

	LEVEL 01	LEVEL 02	LEVEL 03
BLDG. 4 MAIN AREA	EXISTING CONCRETE SLAB-ON-GRADE		
BLDG. 4 AT PARTIAL BASEMENT	-EXISTING 6" CONCRETE SLAB -ASSEMBLY FIRE RATING: 1 HOURS		
BLDG. 5	EXISTING CONCRETE SLAB-ON-GRADE		
BLDG. 6	-EXISTING 10 1/2" CONCRETE SLAB -ASSEMBLY FIRE RATING: 1 HOURS	-EXISTING 10 1/2" CONCRETE SLAB -ASSEMBLY FIRE RATING: 1 HOURS -STC-IIC RATING:	
BLDG. 7	EXISTING CONCRETE SLAB-ON-GRADE	- FINISH FLOORING (SEE FINISH PLANS FOR MATERIALS AND LOCATIONS OF FINISH MATERIALS) - NEW 1-1/2" GYPSUM CEMENT UNDERLAYMENT - NEW ACOUSTIC SOUND MAT (AT NON-CARPETED AREAS ONLY) - EXISTING 2" TIMBER SUBFLOORING - EXISTING 7X13 TIMBER FLOOR JOISTS (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - UNDERSIDE OF EXISTING WOOD SUBFLOORING TO RECEIVE NEW INTUMESCENT COATING. - ASSEMBLY FIRE RATING: 1/2 HOUR - FSTC: 45-49 FIIC: 45-47	
BLDG. 8A	- FINISH FLOORING (SEE FINISH PLANS FOR MATERIALS AND LOCATIONS OF FINISH MATERIALS) - EXISTING CONCRETE SLAB ON GRADE	- FINISH FLOORING (SEE FINISH PLANS FOR MATERIALS AND LOCATIONS OF FINISH MATERIALS) - NEW 1-1/2" GYPSUM CEMENT UNDERLAYMENT - NEW ACOUSTIC SOUND MAT (AT NON-CARPETED AREAS ONLY) - EXISTING 3" TIMBER SUBFLOORING (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - EXISTING 6X14 TIMBER FLOOR JOIST (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - ASSEMBLY FIRE RATING: 1/2 HOUR - FSTC: 45-49 FIIC: 45-47	- FINISH FLOORING (SEE FINISH PLANS FOR MATERIALS AND LOCATIONS OF FINISH MATERIALS) - NEW 1-1/2" GYPSUM CEMENT UNDERLAYMENT - NEW ACOUSTIC SOUND MAT (AT NON-CARPETED AREAS ONLY) - EXISTING 3" TIMBER SUBFLOORING (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - EXISTING 6X14 TIMBER FLOOR JOIST (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - ASSEMBLY FIRE RATING: 1/2 HOUR - FSTC: 45-49 FIIC: 45-47
BLDG. 8A @ ELEVATOR CORE	EXISTING CONCRETE SLAB-ON-GRADE	- EXISTING 3" CONCRETE SLAB - EXISTING 10" CLAY TILE INFILL - ASSEMBLY FIRE RATING: 1 HOUR	- EXISTING 3" CONCRETE SLAB - EXISTING 10" CLAY TILE INFILL - ASSEMBLY FIRE RATING: 1 HOUR
BLDG. 8B	EXISTING CONCRETE SLAB-ON-GRADE	- FINISH FLOORING (SEE FINISH PLANS FOR MATERIALS AND LOCATIONS OF FINISH MATERIALS) - NEW 1-1/2" GYPSUM CEMENT UNDERLAYMENT - NEW ACOUSTIC SOUND MAT (AT NON-CARPETED AREAS ONLY) - EXISTING 3" TIMBER SUBFLOORING (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - EXISTING 6X14 TIMBER FLOOR JOIST (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - ASSEMBLY FIRE RATING: 1/2 HOUR - FSTC: 45-49 FIIC: 45-47	



KEY PLAN

T 414.220.9640
751 N Jefferson St.
Suite 200
Milwaukee, WI 53202
CONSULTANTS

COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
2758 N. 33RD STREET
MILWAUKEE, WI53210

SHEET TITLE: NEW WORK PLAN - LEVEL 01 - OVERVIEW ALL BUILDINGS

REVISIONS
1 10/09/20 ADDENDUM #1

Figure 2B

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A210W

PATCH and INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

001 SEE UNIT 137 ENLARGED PLAN.
002 SEE UNIT 105 ENLARGED PLAN.
003 SEE UNIT 113 ENLARGED PLAN.
004 SEE UNIT 136 ENLARGED PLAN. UNIT MAY BE MIRRORED.
005 SEE UNIT 149 ENLARGED PLAN.
006 SEE UNIT 131 ENLARGED PLAN.
007 SEE UNIT 132 ENLARGED PLAN.
008 SEE UNIT 232 ENLARGED PLAN.
009 SEE UNIT 251 ENLARGED PLAN.
010 SEE UNIT 146 ENLARGED PLAN.
011 SEE UNIT 151 ENLARGED PLAN.
012 SEE UNIT 252 ENLARGED PLAN.
013 SEE UNIT 242 ENLARGED PLAN.
014 SEE UNIT 128 ENLARGED PLAN. UNIT MAY BE MIRRORED.
015 SEE UNIT 122 ENLARGED PLAN.
016 SEE UNIT 227 ENLARGED PLAN.
017 SEE UNIT 111 ENLARGED PLAN.
018 SEE UNIT 217 ENLARGED PLAN.
019 SEE UNIT 124 ENLARGED PLAN.
020 SEE UNIT 224 ENLARGED PLAN.
021 SEE UNIT 223 ENLARGED PLAN.
022 SEE UNIT 109 ENLARGED PLAN.
023 SEE UNIT 115 ENLARGED PLAN.
024 SEE UNIT 130 ENLARGED PLAN. UNIT MAY BE MIRRORED.
025 SEE UNIT 215 ENLARGED PLAN.
026 SEE UNIT 205 ENLARGED PLAN.
027 SEE UNIT 314 ENLARGED PLAN.
028 SEE UNIT 139 ENLARGED PLAN.
029 SEE UNIT 140 ENLARGED PLAN.
030 SEE UNIT 207 ENLARGED PLAN.
031 SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPAIRED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
032 SEE UNIT 147 ENLARGED PLAN.
033 SEE UNIT 1224 ENLARGED PLAN.
034 SEE UNIT 206 ENLARGED PLAN.
035 NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
036 NEW CONCRETE INFILL AT EXISTING PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND TEXTURE.
037 PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
038 NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL
039 NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
040 PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
041 NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042 NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARGE SURFACES TO MATCH ADJACENT HISTORIC PARGE IF PRESENT.
043 NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W FOR WALL ASSEMBLY.
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050 NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

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053 EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054 REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
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058 EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059 NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060 EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061 TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062 EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13A/510W.
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075 NEW CHAINLINK FENCE & GATES W/ PRIVACY SLATS.
076 BUILD TYPE PK UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077 LAYER GYPCRETE TOPPING + SLOPE MAT TO MEET EXISTING FINISH LEVEL AT TRANSITION AREA TO STAIRS OR BETWEEN BUILDINGS.
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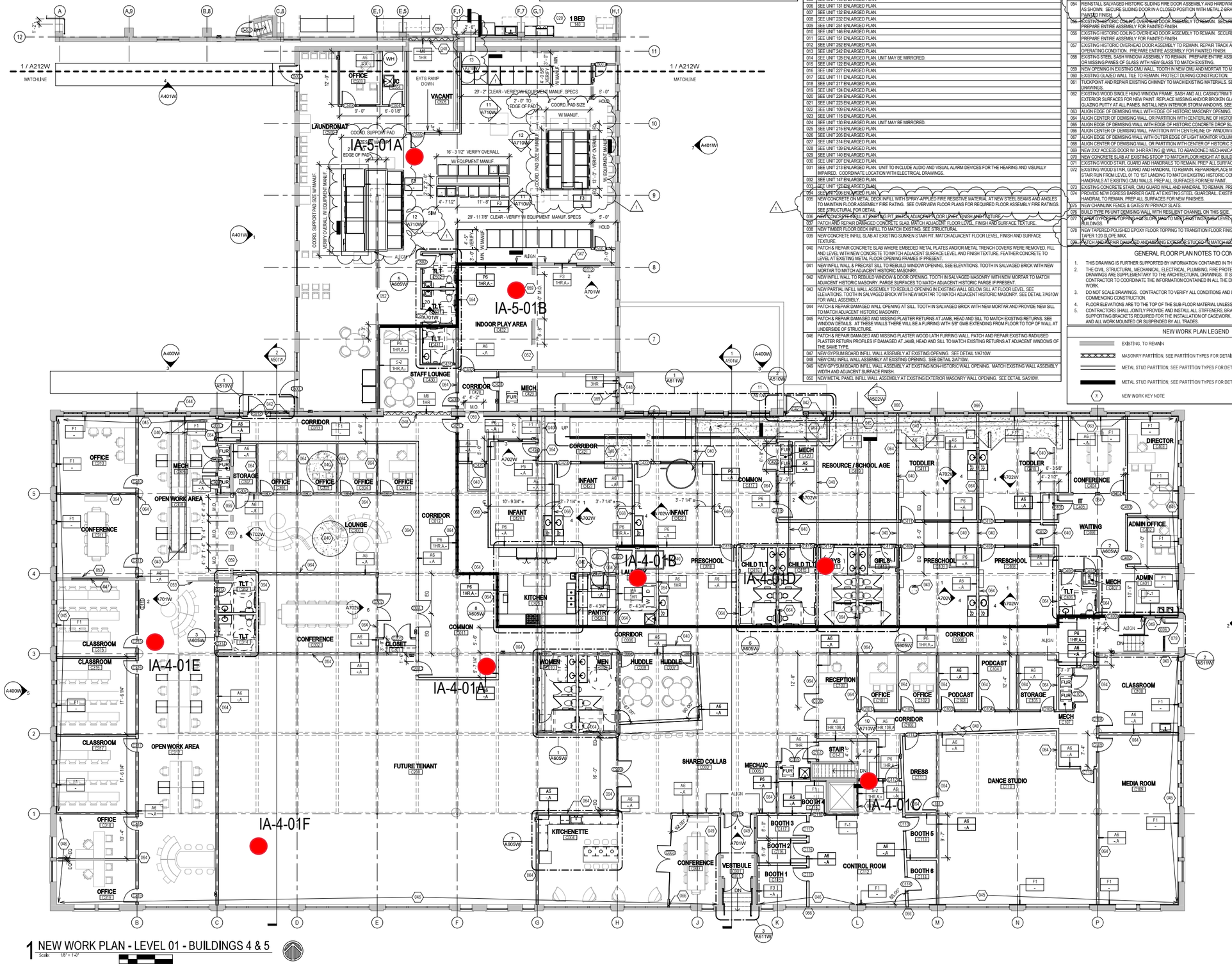
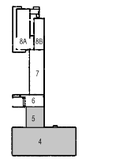
NEW WORK PLAN LEGEND

- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 –A U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P6 1HR - A U.N.O.
- X NEW WORK KEY NOTE



1 NEW WORK PLAN - LEVEL 01 - BUILDINGS 4 & 5
Scale: 1/8" = 1'-0"
0' 2' 4' 8' 12'



T 414.220.9640
751 N Jefferson St.
Suite 200
Milwaukee, WI 53202
CONSULTANTS

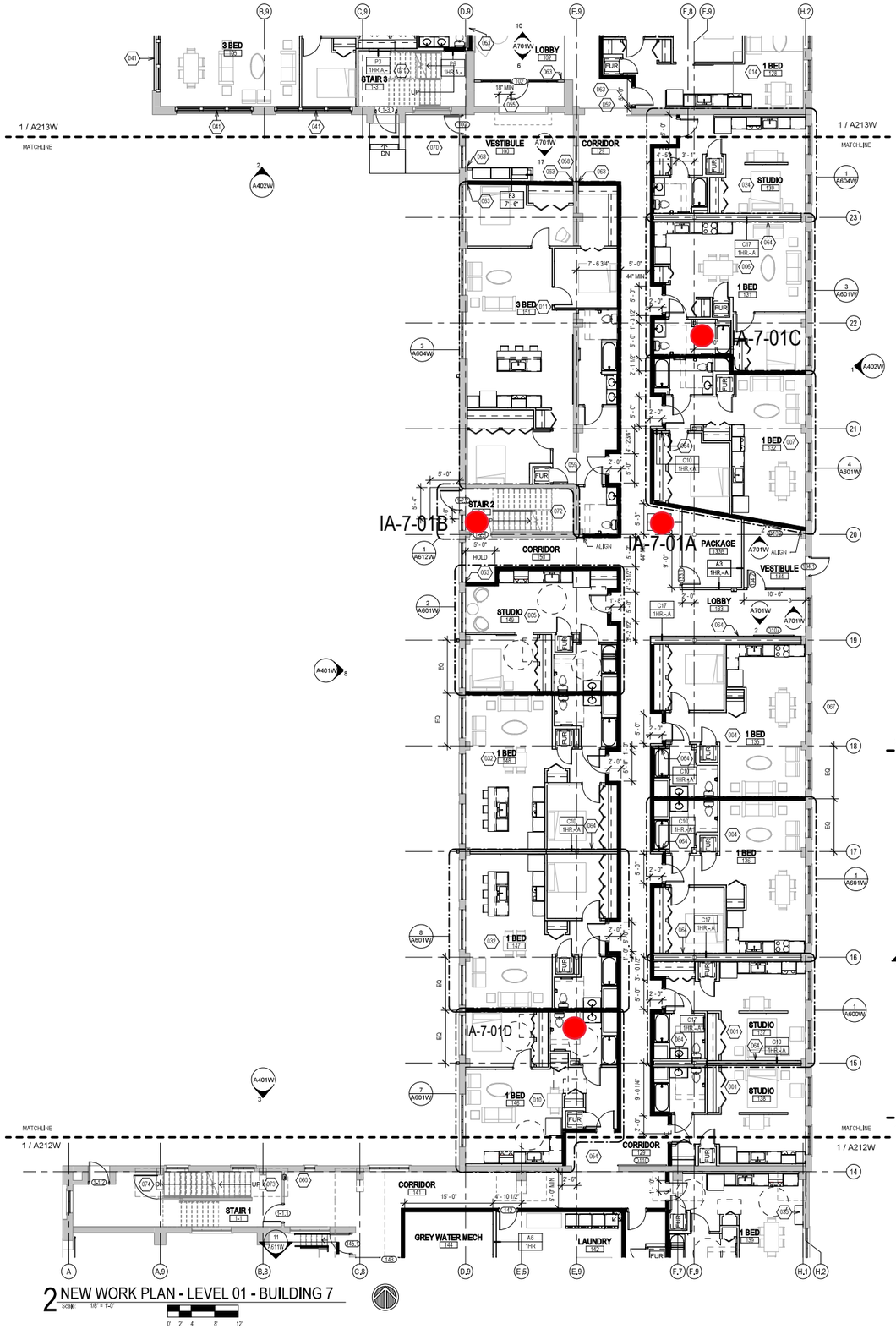
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
2758 N. 33RD STREET
MILWAUKEE, WI 53210

SHEET TITLE: NEW WORK PLAN - LEVEL 01 - BUILDINGS 4 & 5

REVISIONS:
1 10/09/20 ADDENDUM #1

Figure 2C

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A211W



NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

001	SEE UNIT 137 ENLARGED PLAN.
002	SEE UNIT 105 ENLARGED PLAN.
003	SEE UNIT 113 ENLARGED PLAN.
004	SEE UNIT 136 ENLARGED PLAN. UNIT MAY BE MIRRORED.
005	SEE UNIT 149 ENLARGED PLAN.
006	SEE UNIT 131 ENLARGED PLAN.
007	SEE UNIT 132 ENLARGED PLAN.
008	SEE UNIT 232 ENLARGED PLAN.
009	SEE UNIT 251 ENLARGED PLAN.
010	SEE UNIT 146 ENLARGED PLAN.
011	SEE UNIT 151 ENLARGED PLAN.
012	SEE UNIT 252 ENLARGED PLAN.
013	SEE UNIT 242 ENLARGED PLAN.
014	SEE UNIT 128 ENLARGED PLAN. UNIT MAY BE MIRRORED.
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016	SEE UNIT 227 ENLARGED PLAN.
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024	SEE UNIT 130 ENLARGED PLAN. UNIT MAY BE MIRRORED.
025	SEE UNIT 215 ENLARGED PLAN.
026	SEE UNIT 205 ENLARGED PLAN.
027	SEE UNIT 314 ENLARGED PLAN.
028	SEE UNIT 139 ENLARGED PLAN.
029	SEE UNIT 140 ENLARGED PLAN.
030	SEE UNIT 257 ENLARGED PLAN.
031	SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPAIRED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
032	SEE UNIT 147 ENLARGED PLAN.
033	SEE UNIT 122 ENLARGED PLAN.
034	SEE A7V206 ENLARGED PLAN.
035	NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
036	NEW CONCRETE INFILL AT ENTRY PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND TEXTURE.
037	PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
038	NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL.
039	NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
040	PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
041	NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042	NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARGE SURFACES TO MATCH ADJACENT HISTORIC PARGE IF PRESENT.
043	NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W FOR WALL ASSEMBLY.
044	PATCH & REPAIR DAMAGED WALL OPENING AT SILL. TOOTH IN SALVAGED BRICK WITH NEW MORTAR AND PROVIDE NEW SILL TO MATCH ADJACENT HISTORIC MASONRY.
045	PATCH & REPAIR DAMAGED AND MISSING PLASTER RETURNS AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS. SEE WINDOW DETAILS. AT THESE WALLS THERE WILL BE A FURRING WITH 5/8" GWB EXTENDING FROM FLOOR TO TOP OF WALL AT UNDERSIDE OF STRUCTURE.
046	PATCH & REPAIR DAMAGED AND MISSING PLASTER WOOD LATH FURRING WALL. PATCH AND REPAIR EXISTING RADIUSED PLASTER RETURN PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF THE SAME TYPE.
047	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
048	NEW CMU INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/A710W.
049	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
050	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

051	NEW METAL PANEL INFILL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL 4/A510W.
052	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054	REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
055	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
056	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
057	EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
058	EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059	NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060	EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061	TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062	EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13/A510W.
063	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
064	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
065	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
066	ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
067	ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
068	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
069	NEW 2'X2' ACCESS DOOR W/ 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070	NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071	EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072	EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN BELOW EL. 0'1"0 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PERSENT. PROVIDE NEW STEEL HANDRAILS AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073	EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
074	PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL. EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
075	NEW CHAINLINK FENCE & GATES W/ PRIVACY SLATS.
076	BUILD TYPE B1 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER CONCRETE TOPPING TO SLOPE MAX TO MEET EXISTING FINISHED LEVEL AT TRANSITION AREA TO STAIR BETWEEN BUILDINGS.
078	NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079	PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

GENERAL FLOOR PLAN NOTES TO CONTRACTOR

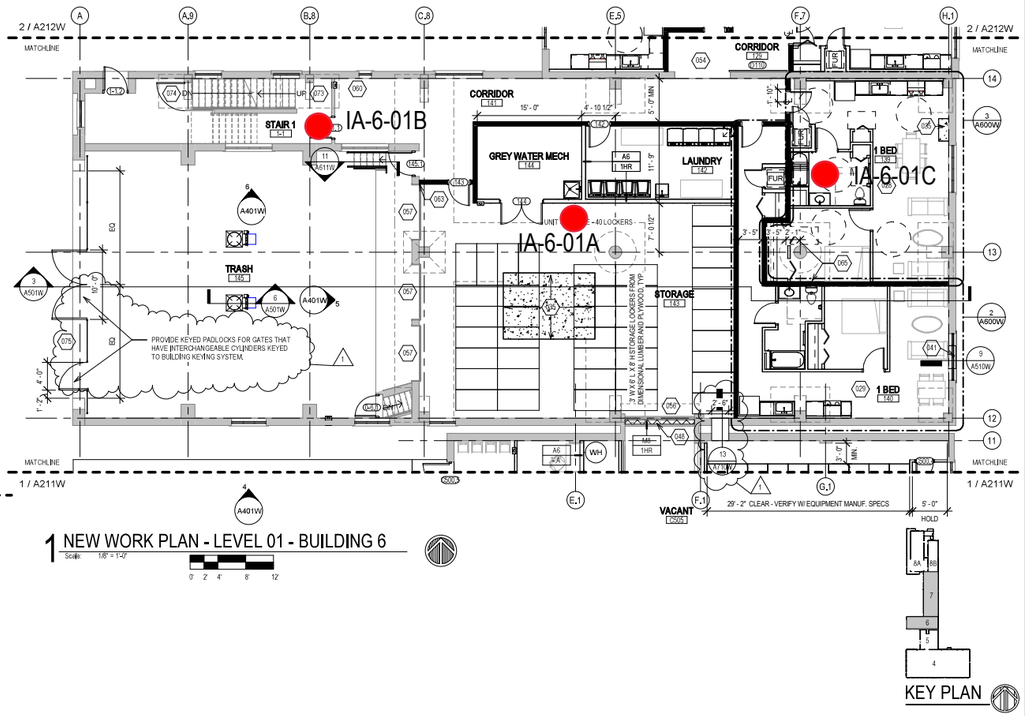
1. THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
2. THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO-VISUAL, AND SECURITY DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE INFORMATION CONTAINED IN ALL THE DRAWINGS BEFORE THE INSTALLATION OF ALL WORK.
3. DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION.
4. FLOOR ELEVATIONS ARE TO THE TOP OF THE SUB-FLOOR MATERIAL UNLESS OTHERWISE NOTED.
5. CONTRACTORS SHALL JOINTLY PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES, WALL BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF CASEWORK, TOILET ACCESSORIES, PARTITIONS, MILLWORK, AND ALL WORK MOUNTED OR SUSPENDED BY ALL TRADES.

NEW WORK PLAN LEGEND

- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 –A U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P1 1HR–A U.N.O.
- X — NEW WORK KEY NOTE

PATCH AND INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL, SEE STRUCTURAL FOR INFILL CONDITIONS, V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL, SEE STRUCTURAL FOR INFILL CONDITIONS, V.I.F. EXACT SIZE AND LOCATIONS.



T 414.220.9640
751 N Jefferson St.
Suite 200
Milwaukee, WI 53202
CONSULTANTS

COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
2758 N. 33RD STREET
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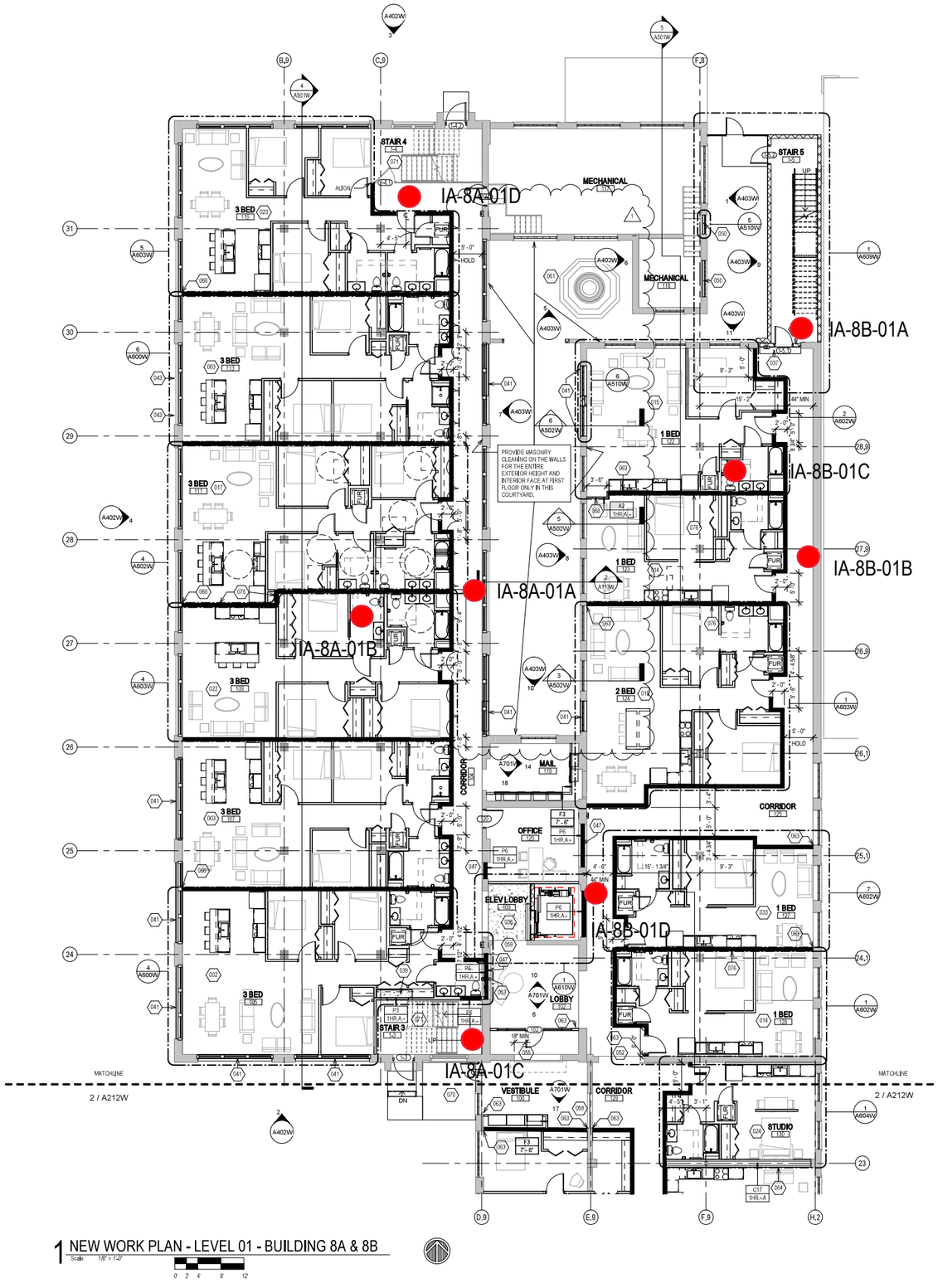
SHEET TITLE: NEW WORK PLAN - LEVEL 01 - BUILDINGS 6 & 7

REVISIONS:
1 10/09/20 ADDENDUM #1

Figure 2D

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A212W



1 NEW WORK PLAN - LEVEL 01 - BUILDING 8A & 8B
Scale: 1/8" = 1'-0"
0 2 4 8 12

NEW WORK PLAN KEY NOTES - 1/8" PLANS

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007	SEE UNIT 132 ENLARGED PLAN.
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028	SEE UNIT 139 ENLARGED PLAN.
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030	SEE UNIT 207 ENLARGED PLAN.
031	SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPAIRED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
032	SEE UNIT 147 ENLARGED PLAN.
033	SEE UNIT 122 ENLARGED PLAN.
034	SEE UNIT 206 ENLARGED PLAN.
035	NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
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047	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
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054	REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
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058	EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059	NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060	EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
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069	NEW 2'X2' ACCESS DOOR W/ 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070	NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071	EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072	EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN FROM LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PERSENT. PROVIDE NEW STEEL HANDRAILS AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073	EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
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075	NEW CHAINLINK FENCE & GATES W/ PRIVACY SLATS.
076	BUILD TYPE P6 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER CYPCRETE TOPPING 1:20 SLOPE MAX TO MEET EXISTING FINISH LEVEL AT TRANSITION AREA TO STAIRS OR BETWEEN BUILDINGS.
078	NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079	PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

GENERAL FLOOR PLAN NOTES TO CONTRACTOR

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NEW WORK PLAN LEGEND

- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 –A U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P5 1HR-A U.N.O.
- X NEW WORK KEY NOTE

PATCH AND INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL, SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL, SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

KEY PLAN

T 414.220.9640
751 N Jefferson St.
Suite 200
Milwaukee, WI 53202
CONSULTANTS

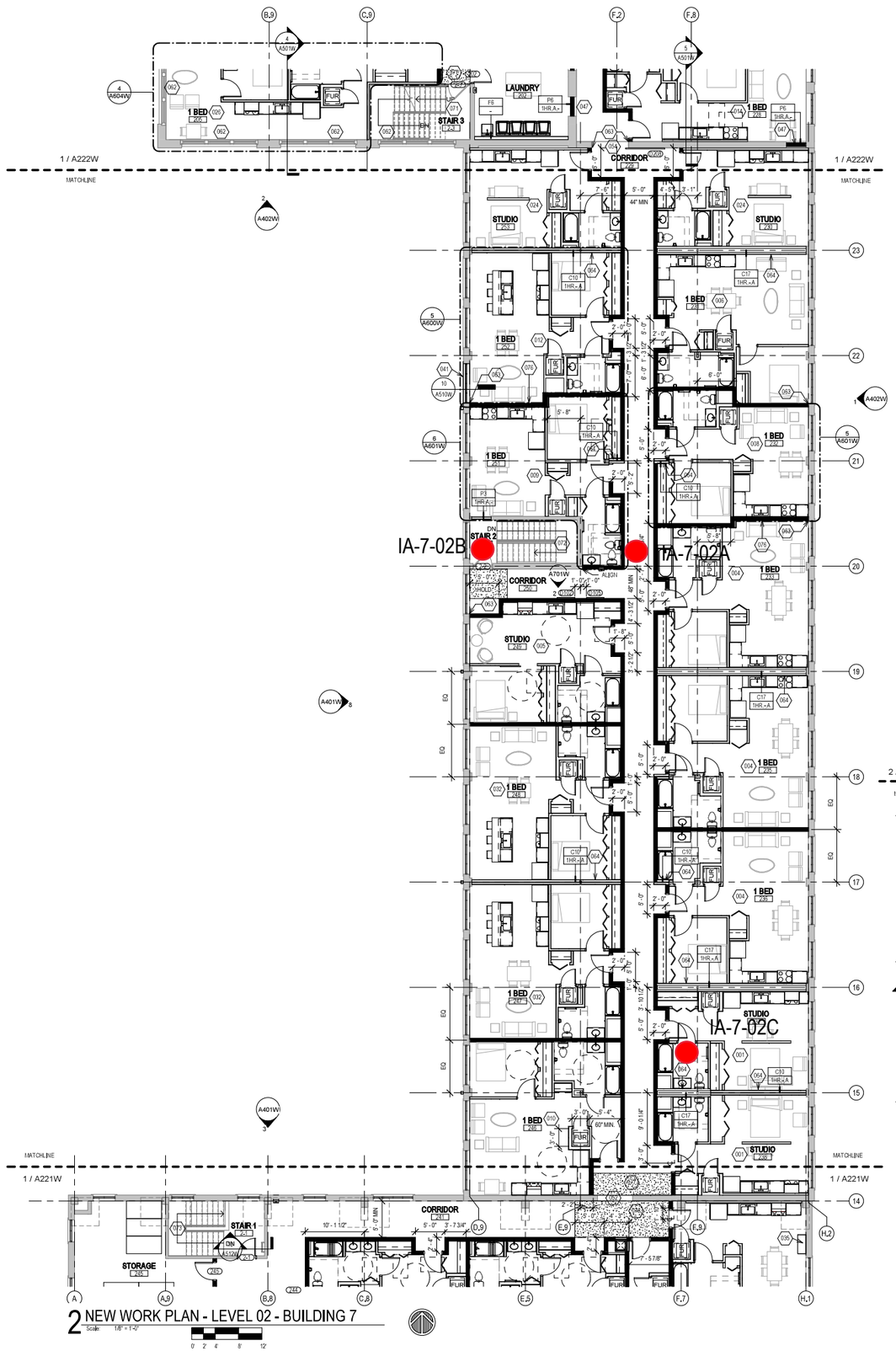
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
2758 N. 33RD STREET
MILWAUKEE, WI 53210

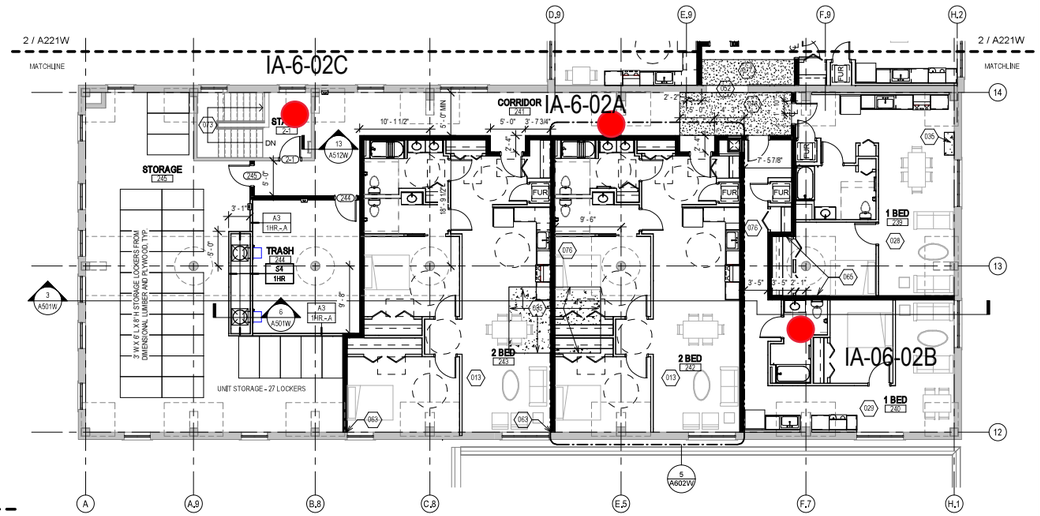
SHEET TITLE: NEW WORK PLAN - LEVEL 01 - BUILDING 8A & 8B

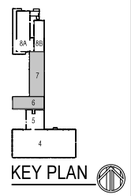
REVISIONS
1 10/09/20 ADDENDUM #1

Figure 2E

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A213W







NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

001	SEE UNIT 137 ENLARGED PLAN.
002	SEE UNIT 105 ENLARGED PLAN.
003	SEE UNIT 113 ENLARGED PLAN.
004	SEE UNIT 136 ENLARGED PLAN. UNIT MAY BE MIRRORED.
005	SEE UNIT 149 ENLARGED PLAN.
006	SEE UNIT 131 ENLARGED PLAN.
007	SEE UNIT 132 ENLARGED PLAN.
008	SEE UNIT 232 ENLARGED PLAN.
009	SEE UNIT 251 ENLARGED PLAN.
010	SEE UNIT 146 ENLARGED PLAN.
011	SEE UNIT 151 ENLARGED PLAN.
012	SEE UNIT 252 ENLARGED PLAN.
013	SEE UNIT 242 ENLARGED PLAN.
014	SEE UNIT 128 ENLARGED PLAN. UNIT MAY BE MIRRORED.
015	SEE UNIT 122 ENLARGED PLAN.
016	SEE UNIT 227 ENLARGED PLAN.
017	SEE UNIT 111 ENLARGED PLAN.
018	SEE UNIT 217 ENLARGED PLAN.
019	SEE UNIT 124 ENLARGED PLAN.
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025	SEE UNIT 215 ENLARGED PLAN.
026	SEE UNIT 205 ENLARGED PLAN.
027	SEE UNIT 314 ENLARGED PLAN.
028	SEE UNIT 139 ENLARGED PLAN.
029	SEE UNIT 140 ENLARGED PLAN.
030	SEE UNIT 207 ENLARGED PLAN.
031	SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPAIRED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
032	SEE UNIT 147 ENLARGED PLAN.
033	SEE UNIT 122 ENLARGED PLAN.
034	SEE UNIT 206 ENLARGED PLAN.
035	NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
036	NEW CONCRETE INFILL AT EXISTING PIT, MATCH ADJACENT FLOOR LEVEL, FINISH AND TEXTURE.
037	PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
038	NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL.
039	NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
040	PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
041	NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING, SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042	NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARGE SURFACES TO MATCH ADJACENT HISTORIC PARGE IF PRESENT.
043	NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W FOR WALL ASSEMBLY.
044	PATCH & REPAIR DAMAGED WALL OPENING AT SILL. TOOTH IN SALVAGED BRICK WITH NEW MORTAR AND PROVIDE NEW SILL TO MATCH ADJACENT HISTORIC MASONRY.
045	PATCH & REPAIR DAMAGED AND MISSING PLASTER RETURNS AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS. SEE WINDOW DETAILS. AT THESE WALLS THERE WILL BE A FURRING WITH 5/8" GWB EXTENDING FROM FLOOR TO TOP OF WALL AT UNDERSIDE OF STRUCTURE.
046	PATCH & REPAIR DAMAGED AND MISSING PLASTER WOOD LATH FURRING WALL. PATCH AND REPAIR EXISTING RADIUSED PLASTER RETURN PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF THE SAME TYPE.
047	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
048	NEW CMU INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/A710W.
049	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
050	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

051	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING WINDOW OPENING, SEE DETAIL 4/A510W.
052	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054	REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
055	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
056	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
057	EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
058	EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059	NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060	EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061	TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062	EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13/A510W.
063	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
064	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
065	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
066	ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
067	ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
068	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
069	NEW 2X2 ACCESS DOOR W/ 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070	NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071	EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072	EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN FROM LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PERSENT. PROVIDE NEW STEEL HANDRAILS AT EXISITNG CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073	EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
074	PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
075	NEW CHAINLINK FENCE & GATES W/ PRIVACY SLATS.
076	BUILD TYPE P1 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TINTED CONCRETE SLOPING TO SLOPE MAX 1/2 INCH FROM EXTERIOR FINISH LEVEL AT TRANSITION AREA TO STAIRS ON TWO ADJACENT BUILDINGS.
078	NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079	PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

GENERAL FLOOR PLAN NOTES TO CONTRACTOR

1. THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
2. THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO-VISUAL AND SECURITY DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE INFORMATION CONTAINED IN ALL THE DRAWINGS BEFORE THE INSTALLATION OF ALL WORK.
3. DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION.
4. FLOOR ELEVATIONS ARE TO THE TOP OF THE SUB-FLOOR MATERIAL UNLESS OTHERWISE NOTED.
5. CONTRACTORS SHALL JOINTLY PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES, WALL BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF CASEWORK, TOILET ACCESSORIES, PARTITIONS, MILLWORK, AND ALL WORK MOUNTED OR SUSPENDED BY ALL TRADES.

NEW WORK PLAN LEGEND

- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 –A– U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P6 1HR–A U.N.O.
- X — NEW WORK KEY NOTE

PATCH AND INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

T 414.220.9640

751 N Jefferson St.
Suite 200
Milwaukee, WI 53202

CONSULTANTS

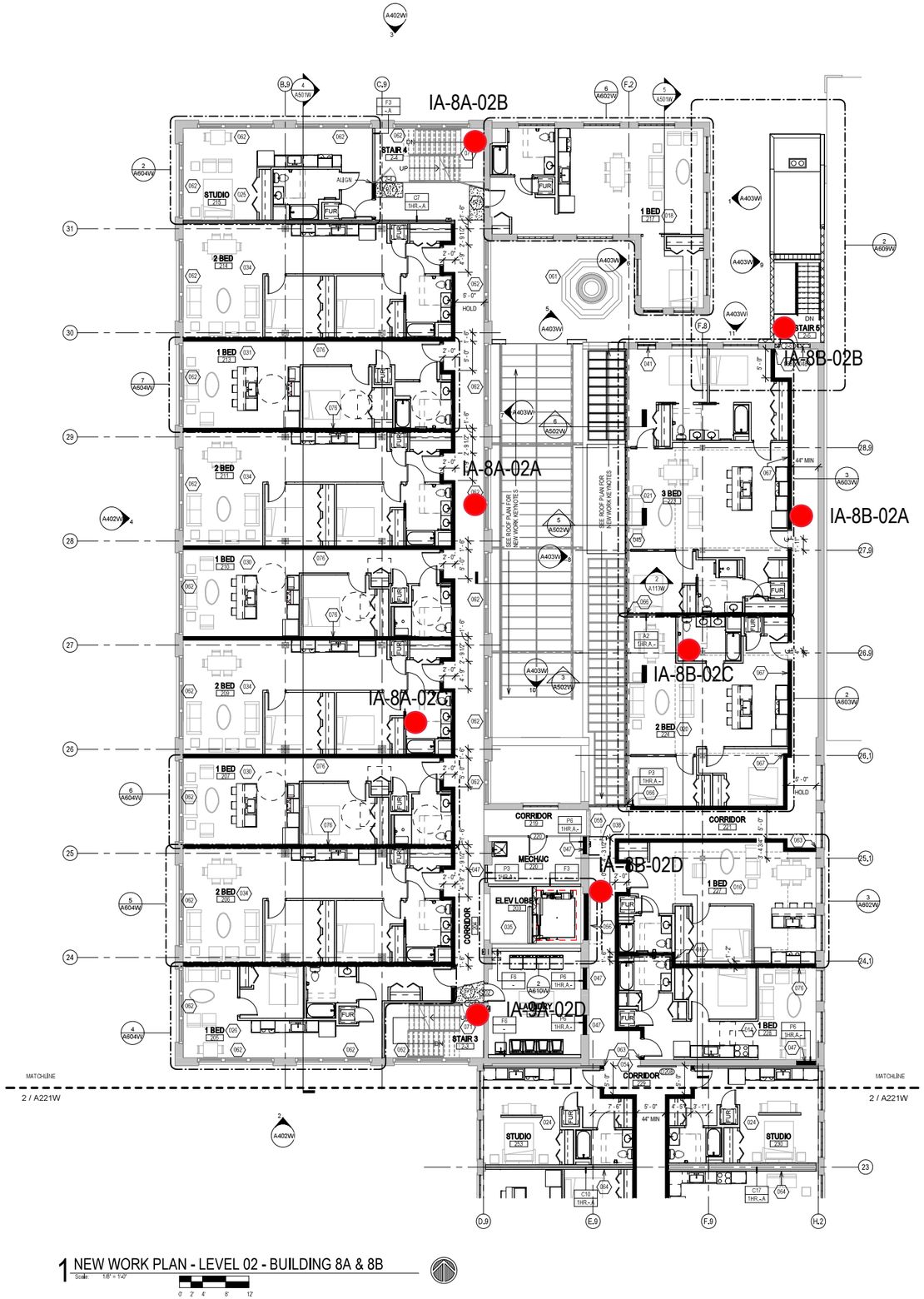
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
2758 N. 33RD STREET
MILWAUKEE, WI 53210

SHEET TITLE: NEW WORK PLAN - LEVEL 02 - BUILDINGS 6 & 7

REVISIONS:
1 10/09/20 ADDENDUM #1

Figure 2F

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A221W



1 NEW WORK PLAN - LEVEL 02 - BUILDING 8A & 8B

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

0 2 4 8 12

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

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005	SEE UNIT 149 ENLARGED PLAN.
006	SEE UNIT 131 ENLARGED PLAN.
007	SEE UNIT 132 ENLARGED PLAN.
008	SEE UNIT 232 ENLARGED PLAN.
009	SEE UNIT 251 ENLARGED PLAN.
010	SEE UNIT 146 ENLARGED PLAN.
011	SEE UNIT 151 ENLARGED PLAN.
012	SEE UNIT 252 ENLARGED PLAN.
013	SEE UNIT 242 ENLARGED PLAN.
014	SEE UNIT 128 ENLARGED PLAN. UNIT MAY BE MIRRORED.
015	SEE UNIT 122 ENLARGED PLAN.
016	SEE UNIT 227 ENLARGED PLAN.
017	SEE UNIT 111 ENLARGED PLAN.
018	SEE UNIT 217 ENLARGED PLAN.
019	SEE UNIT 124 ENLARGED PLAN.
020	SEE UNIT 224 ENLARGED PLAN.
021	SEE UNIT 223 ENLARGED PLAN.
022	SEE UNIT 109 ENLARGED PLAN.
023	SEE UNIT 115 ENLARGED PLAN.
024	SEE UNIT 130 ENLARGED PLAN. UNIT MAY BE MIRRORED.
025	SEE UNIT 215 ENLARGED PLAN.
026	SEE UNIT 205 ENLARGED PLAN.
027	SEE UNIT 314 ENLARGED PLAN.
028	SEE UNIT 139 ENLARGED PLAN.
029	SEE UNIT 140 ENLARGED PLAN.
030	SEE UNIT 257 ENLARGED PLAN.
031	SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPAIRED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
032	SEE UNIT 147 ENLARGED PLAN.
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034	SEE UNIT 206 ENLARGED PLAN.
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037	PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
038	NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL.
039	NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
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041	NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042	NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARGE SURFACES TO MATCH ADJACENT HISTORIC PARGE IF PRESENT.
043	NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W FOR WALL ASSEMBLY.
044	PATCH & REPAIR DAMAGED WALL OPENING AT SILL. TOOTH IN SALVAGED BRICK WITH NEW MORTAR AND PROVIDE NEW SILL TO MATCH ADJACENT HISTORIC MASONRY.
045	PATCH & REPAIR DAMAGED AND MISSING PLASTER RETURNS AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS. SEE WINDOW DETAILS. AT THESE WALLS THERE WILL BE A FURRING WITH 5/8" GWB EXTENDING FROM FLOOR TO TOP OF WALL AT UNDERSIDE OF STRUCTURE.
046	PATCH & REPAIR DAMAGED AND MISSING PLASTER WOOD LATH FURRING WALL. PATCH AND REPAIR EXISTING RADIUSED PLASTER RETURN PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF THE SAME TYPE.
047	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
048	NEW CMU INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/A710W.
049	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
050	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

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NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

051	NEW METAL PANEL INFILL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL A510W.
052	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054	REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
055	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
056	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
057	EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
058	EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059	NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060	EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061	TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062	EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13/A510W.
063	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
064	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
065	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
066	ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
067	ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
068	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
069	NEW 2'X2' ACCESS DOOR W/ 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070	NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071	EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072	EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN FROM LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PRESENT. PROVIDE NEW STEEL HANDRAILS AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073	EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
074	PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL. EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
075	NEW CHAINLINK FENCE & GATES W/ PRIVACY SLATS.
076	BUILD TYPE P6 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER CYPCRETE TOPPING 1:20 SLOPE MAX TO MEET EXISTING FINISH LEVEL AT TRANSITION AREA TO STAIRS OR BETWEEN BUILDINGS.
078	NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079	PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

GENERAL FLOOR PLAN NOTES TO CONTRACTOR

1. THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
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3. DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION.
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5. CONTRACTORS SHALL JOINTLY PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES, WALL BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF CASEWORK, TOILET ACCESSORIES, PARTITIONS, MILLWORK, AND ALL WORK MOUNTED OR SUSPENDED BY ALL TRADES.

NEW WORK PLAN LEGEND

- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 -A U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P6 THR-A U.N.O.
- X NEW WORK KEY NOTE

PATCH AND INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

KEY PLAN

T 414.220.9640

751 N Jefferson St.
Suite 200
Milwaukee, WI 53202

CONSULTANTS

COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

2758 N. 33RD STREET
MILWAUKEE, WI 53210

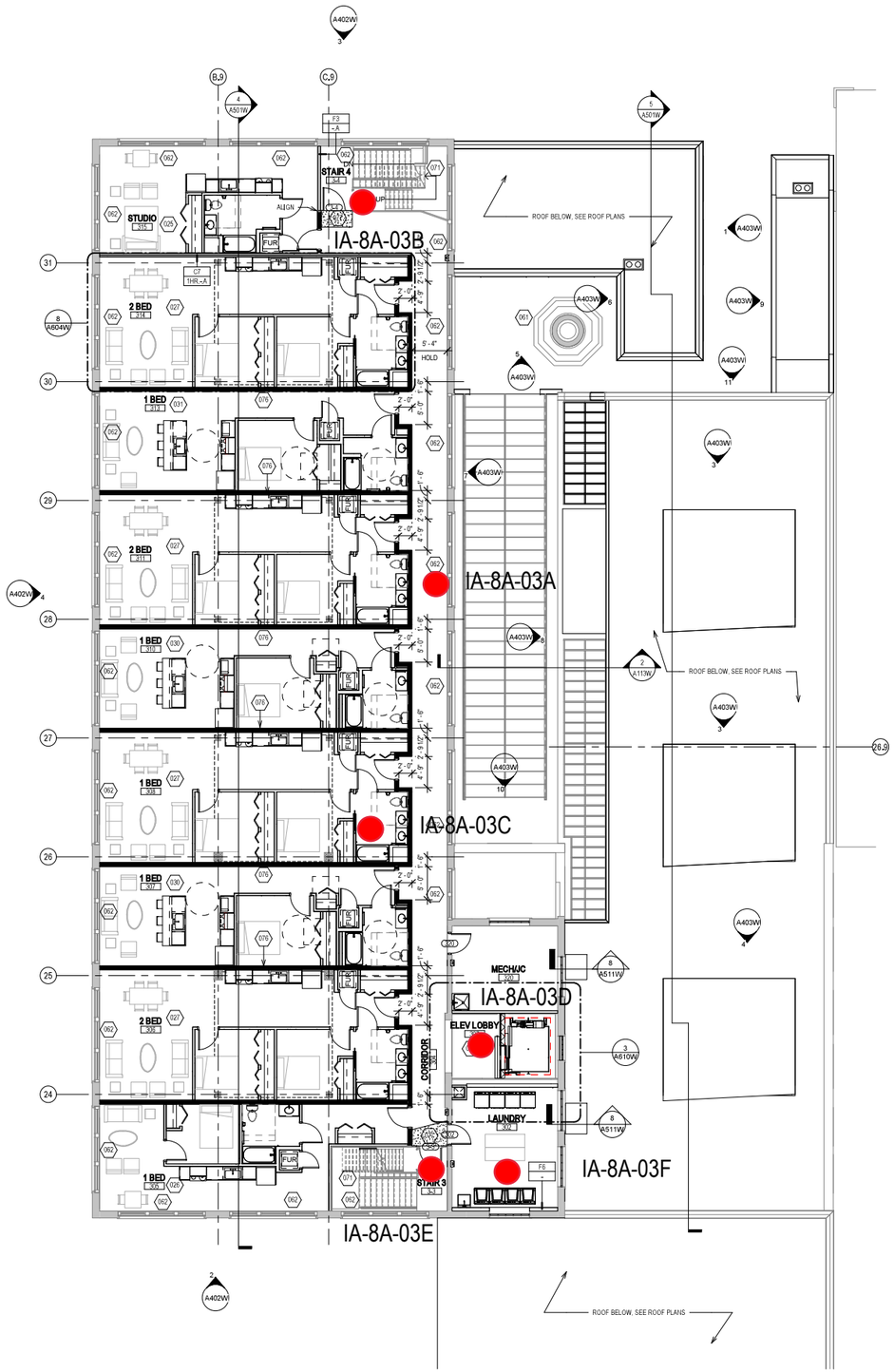
SHEET TITLE: NEW WORK PLAN - LEVEL 02 - BUILDINGS 8A & 8B

REVISIONS

1 10/09/20 ADDENDUM #1

Figure 2G

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A222W



1 NEW WORK PLAN - LEVEL 03 - BUILDING 8A
Scale: 1/8" = 1'-0"
0 2' 4' 8' 12'

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

001	SEE UNIT 137 ENLARGED PLAN.
002	SEE UNIT 105 ENLARGED PLAN.
003	SEE UNIT 113 ENLARGED PLAN.
004	SEE UNIT 136 ENLARGED PLAN. UNIT MAY BE MIRRORED.
005	SEE UNIT 149 ENLARGED PLAN.
006	SEE UNIT 131 ENLARGED PLAN.
007	SEE UNIT 132 ENLARGED PLAN.
008	SEE UNIT 232 ENLARGED PLAN.
009	SEE UNIT 251 ENLARGED PLAN.
010	SEE UNIT 146 ENLARGED PLAN.
011	SEE UNIT 151 ENLARGED PLAN.
012	SEE UNIT 252 ENLARGED PLAN.
013	SEE UNIT 242 ENLARGED PLAN.
014	SEE UNIT 128 ENLARGED PLAN. UNIT MAY BE MIRRORED.
015	SEE UNIT 122 ENLARGED PLAN.
016	SEE UNIT 227 ENLARGED PLAN.
017	SEE UNIT 111 ENLARGED PLAN.
018	SEE UNIT 217 ENLARGED PLAN.
019	SEE UNIT 124 ENLARGED PLAN.
020	SEE UNIT 224 ENLARGED PLAN.
021	SEE UNIT 223 ENLARGED PLAN.
022	SEE UNIT 109 ENLARGED PLAN.
023	SEE UNIT 115 ENLARGED PLAN.
024	SEE UNIT 130 ENLARGED PLAN. UNIT MAY BE MIRRORED.
025	SEE UNIT 215 ENLARGED PLAN.
026	SEE UNIT 205 ENLARGED PLAN.
027	SEE UNIT 314 ENLARGED PLAN.
028	SEE UNIT 139 ENLARGED PLAN.
029	SEE UNIT 140 ENLARGED PLAN.
030	SEE UNIT 207 ENLARGED PLAN.
031	SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPAIRED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
032	SEE UNIT 147 ENLARGED PLAN.
033	SEE UNIT 122 ENLARGED PLAN.
034	SEE UNIT 206 ENLARGED PLAN.
035	NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
036	NEW CONCRETE WALL AT ENDING PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND TEXTURE.
037	PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
038	NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL.
039	NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
040	PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
041	NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042	NEW INFILL WALL TO REBUILD WINDOW & DOOR OPENING. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. PARGE SURFACES TO MATCH ADJACENT HISTORIC PARGE IF PRESENT.
043	NEW PARTIAL INFILL WALL ASSEMBLY TO REBUILD OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W FOR WALL ASSEMBLY.
044	PATCH & REPAIR DAMAGED WALL OPENING AT SILL. TOOTH IN SALVAGED BRICK WITH NEW MORTAR AND PROVIDE NEW SILL TO MATCH ADJACENT HISTORIC MASONRY.
045	PATCH & REPAIR DAMAGED AND MISSING PLASTER RETURNS AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS. SEE WINDOW DETAILS. AT THESE WALLS THERE WILL BE A FURRING WITH 5/8" GWB EXTENDING FROM FLOOR TO TOP OF WALL AT UNDERSIDE OF STRUCTURE.
046	PATCH & REPAIR DAMAGED AND MISSING PLASTER WOOD LATH FURRING WALL. PATCH AND REPAIR EXISTING RADIUSED PLASTER RETURN PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF THE SAME TYPE.
047	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
048	NEW CMU INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/A710W.
049	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
050	NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

051	NEW METAL PANEL INFILL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL A510W.
052	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053	EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054	REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
055	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
056	EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
057	EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
058	EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059	NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060	EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061	TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062	EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13/A510W.
063	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
064	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
065	ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
066	ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
067	ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
068	ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
069	NEW 2'X3' ACCESS DOOR W 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070	NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071	EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072	EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN FROM LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PERSENT. PROVIDE NEW STEEL HANDRAILS AT EXISTING CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073	EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
074	PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL. EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
075	NEW CHAINLINK FENCE & GATES W/ PRIVACY SLATS.
076	BUILD TYPE P6 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER CYPCRETE TOPPING 1:20 SLOPE MAX TO MEET EXISTING FINISH LEVEL AT TRANSITION AREA TO STAIRS OR BETWEEN BUILDINGS.
078	NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079	PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

GENERAL FLOOR PLAN NOTES TO CONTRACTOR

1. THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
2. THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO-VISUAL, AND SECURITY DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE INFORMATION CONTAINED IN ALL THE DRAWINGS BEFORE THE INSTALLATION OF ALL WORK.
3. DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION.
4. FLOOR ELEVATIONS ARE TO THE TOP OF THE SUB-FLOOR MATERIAL UNLESS OTHERWISE NOTED.
5. CONTRACTORS SHALL JOINTLY PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES, WALL BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF CASEWORK, TOILET ACCESSORIES, PARTITIONS, MILLWORK, AND ALL WORK MOUNTED OR SUSPENDED BY ALL TRADES.

NEW WORK PLAN LEGEND

- EXISTING, TO REMAIN
- MASONRY PARTITION. SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 –A U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P6 THR.–A U.N.O.
- X NEW WORK KEY NOTE

PATCH AND INFILL LEGEND

- CONCRETE FLOOR OPENING INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
- CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
- WOOD FLOOR STRUCTURAL INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

KEY PLAN

CONTINUUM ARCHITECTS + PLANNERS S.C.
T 414.220.9640
751 N Jefferson St.
Suite 200
Milwaukee, WI 53202
CONSULTANTS

COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
2758 N. 33RD STREET
MILWAUKEE, WI 53210

SHEET TITLE: NEW WORK PLAN - LEVEL 03 - BUILDINGS 8A & 8B

REVISIONS
1 10/09/20 ADDENDUM #1

Figure 2H

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A231W

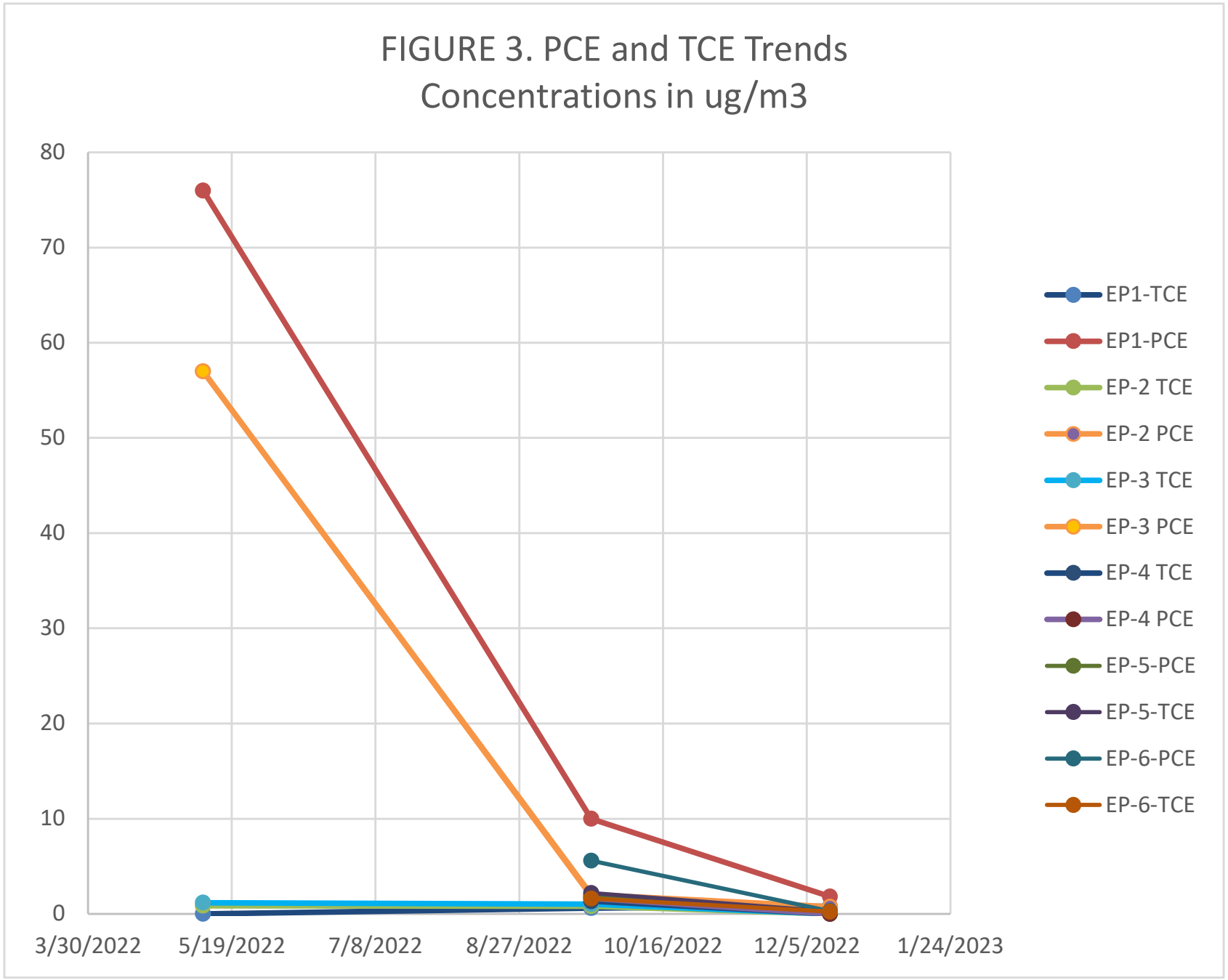


FIGURE 3. PCE and TCE Trends
Concentrations in ug/m3
80
70
60
50
40
30
20
10
0
3/30/2022
5/19/2022
7/8/2022
8/27/2022
10/16/2022
12/5/2022
1/24/2023
EP1-TCE
EP1-PCE
EP-2 TCE
EP-2 PCE
EP-3 TCE
EP-3 PCE
EP-4 TCE
EP-4 PCE
EP-5-PCE
EP-5-TCE
EP-6-PCE
EP-6-TCE

TABLES

TABLE 1 - VACUUM MEASUREMENT RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample Location	Date	Reading (inches H2O)
SVP-1	12/7/2022	0.010
SVP-2	12/7/2022	NA**
SVP-3	12/7/2022	NA**
SVP-4	12/7/2022	NA**
SVP-5	12/7/2022	NA**
SVP-6	12/7/2022	NA**
SVP-7	12/7/2022	0.039
SVP-8	12/7/2022	0.008
SVP-9	12/7/2022	0.011
SVP-10	12/7/2022	0.017
SVP-10A	12/7/2022	0.005
SVP-11	12/7/2022	0.069
SVP-12	12/7/2022	0.026
SVP-13	12/7/2022	0.154
SVP-14	12/7/2022	0.009
SVP-15	12/7/2022	0.071
SVP-16	12/7/2022	0.092

*Readings were compared to a threshold value of 0.004 inches H2O.
** Location not able to be sampled.

TABLE 2

Passive Air Sampling Results for Commissioning

Community Within the Corridor - West Block - Building 6, 7, 8A, and 8B

Sample ID	Units	Residential Indoor Air VAL*	IA-6-01A	IA-6-01A	IA-6-01A	IA-6-01B	IA-6-01B	IA-6-01B	IA-6-01C	IA-6-01C	IA-6-01C	IA-6-02A	IA-6-02A	IA-6-02A	IA-6-02B	IA-6-02B	IA-6-02B	IA-6-02C
Date	---	---	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022
Trichloroethene	ug/m^3	2.1	<0.14	**2.7**	<0.14	<0.14	0.59	<0.14	0.10	0.37	<0.14	<0.14	0.53	<0.14	<0.14	0.47	<0.14	0.14
Tetrachloroethene	ug/m^3	42	<0.17	<0.17	<0.16	<0.17	<0.17	<0.17	0.44	<0.16	<0.17	0.23	<0.17	<0.17	0.14	<0.17	<0.17	0.25
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	0.31	0.95	<0.32	2.4	13	<0.33	0.78	<0.32	<0.34	1.9	1.2	<0.33	2.2	10	<0.33	1.4

*Based on WDNR Quick Look-Up Table dated February 2022

TABLE 2

Passive Air Sampling Results for Commissioning

Community Within the Corridor - West Block - Building 6, 7, 8A, and 8B

Sample ID	Units	Residential Indoor Air VAL*	IA-6-02C	IA-6-02C	IA-6-Basement	IA-6-Basement	IA-6-Basement	IA-7-01A	IA-7-01A	IA-7-01A	IA-7-01B	IA-7-01B	IA-7-01B	IA-7-01C	IA-7-01C	IA-7-01C
Date	---	---	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022
Trichloroethene	ug/m^3	2.1	0.48	<0.14	<0.14	1.2	0.17	<0.14	**2.1**	<0.14	<0.14	Missing	<0.14	<0.14	<0.14	0.17
Tetrachloroethene	ug/m^3	42	0.18	<0.17	<0.17	<0.17	<0.17	0.11	<0.17	<0.17	0.10	Missing	<0.17	0.27	<0.16	<0.17
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	Missing	<0.16	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	0.36	<0.33	0.62	1.8	0.33	1.4	2.0	<0.33	1.1	Missing	<0.33	1.1	<0.32	<0.33

*Based on WDNR Quick Look-Up Table dated February 2022

TABLE 2

Passive Air Sampling Results for Commissioning

Community Within the Corridor - West Block - Building 6, 7, 8A, and 8B

Sample ID	Units	Residential Indoor Air VAL*	IA-7-01D	IA-7-01D	IA-7-01D	IA-7-02A	IA-7-02A	IA-7-02A	IA-7-02B	IA-7-02B	IA-7-02B	IA-7-02C	IA-7-02C	IA-7-02C	IA-8A-01A	IA-8A-01A	IA-8A-01A
Date	---	---	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022
Trichloroethene	ug/m^3	2.1	<0.14	0.24	<0.14	<0.14	0.64	<0.14	<0.14	0.76	<0.14	<0.14	<0.14	<0.14	<0.14	1.8	<0.14
Tetrachloroethene	ug/m^3	42	0.40	<0.17	<0.17	0.13	<0.17	<0.17	0.12	<0.17	<0.17	1.1	<0.17	<0.17	3.4	<0.17	<0.17
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	0.74	<0.33	<0.33	1.7	1.0	0.33	1.7	1.1	0.38	1.1	<0.33	<0.33	6.2	2.8	0.70

*Based on WDNR Quick Look-Up Table dated February 2022

TABLE 2

Passive Air Sampling Results for Commissioning

Community Within the Corridor - West Block - Building 6, 7, 8A, and 8B

Sample ID	Units	Residential Indoor Air VAL*	IA-8A-01B	IA-8A-01B	IA-8A-01B	IA-8A-01C	IA-8A-01C	IA-8A-01C	IA-8A-01D	IA-8A-01D	IA-8A-01D	IA-8A-02A	IA-8A-02A	IA-8A-02A	IA-8A-02B	IA-8A-02B	IA-8A-02B
Date	---	---	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022
Trichloroethene	ug/m^3	2.1	<0.14	1.2	<0.14	<0.14	<0.14	<0.14	<0.14	1.2	<0.14	<0.14	0.65	<0.14	<0.14	2	<0.14
Tetrachloroethene	ug/m^3	42	**42**	<0.17	<0.17	0.42	<0.17	<0.17	2.5	<0.17	<0.17	0.44	<0.17	0.18	1.8	<0.17	0.19
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	4.3	2.7	<0.33	3.7	0.6	<0.33	8.1	2.8	0.51	1.9	1.6	<0.33	6.2	1.9	<0.33

*Based on WDNR Quick Look-Up Table dated February 2022

TABLE 2

Passive Air Sampling Results for Commissioning

Community Within the Corridor - West Block - Building 6, 7, 8A, and 8B

Sample ID	Units	Residential Indoor Air VAL*	IA-8A-02C	IA-8A-02C	IA-8A-02C	IA-8A-02D	IA-8A-02D	IA-8A-02D	IA-8A-03A	IA-8A-03A	IA-8A-03A	IA-8A-03B	IA-8A-03B	IA-8A-03B	IA-8A-03C	IA-8A-03C	IA-8A-03C
Date	---	---	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022
Trichloroethene	ug/m^3	2.1	<0.14	0.17	<0.14	<0.14	0.21	<0.14	<0.14	0.4	<0.14	<0.14	0.9	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	ug/m^3	42	4.4	<0.17	<0.17	0.28	<0.17	<0.17	0.66	<0.17	<0.17	0.85	<0.17	<0.17	2.1	<0.17	<0.17
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	1.7	0.5	<0.33	2.6	3.7	<0.33	6.6	2.6	0.52	4.4	2.4	0.42	4.4	0.66	<0.33

*Based on WDNR Quick Look-Up Table dated February 2022

TABLE 2

Passive Air Sampling Results for Commissioning

Community Within the Corridor - West Block - Building 6, 7, 8A, and 8B

Sample ID	Units	Residential Indoor Air VAL*	IA-8A-03D	IA-8A-03D	IA-8A-03D	IA-8A-03E	IA-8A-03E	IA-8A-03E	IA-8A-03F	IA-8A-03F	IA-8A-03F	IA-8A-BASEMENT	IA-8A-BASEMENT	IA-8A-BASEMENT	IA-8B-01A
Date	---	---	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022
Trichloroethene	ug/m^3	2.1	<0.14	0.46	<0.14	<0.14	0.18	<0.14	<0.14	0.41	<0.14	<0.14	0.36	0.34	<0.14
Tetrachloroethene	ug/m^3	42	0.53	<0.17	<0.17	0.31	<0.17	<0.17	0.48	<0.17	<0.17	2.9	0.3	0.38	0.25
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	6.0	3.2	0.60	5.0	4.3	<0.33	23	2.9	0.58	9.9	6.2	<0.33	2.0

*Based on WDNR Quick Look-Up Table dated February 2022

TABLE 2

Passive Air Sampling Results for Commissioning

Community Within the Corridor - West Block - Building 6, 7, 8A, and 8B

Sample ID	Units	Residential Indoor Air VAL*	IA-8B-01A	IA-8B-01A	IA-8B-01B	IA-8B-01B	IA-8B-01B	IA-8B-01C	IA-8B-01C	IA-8B-01C	IA-8B-01D	IA-8B-01D	IA-8B-01D	IA-8B-02A	IA-8B-02A	IA-8B-02A	IA-8B-02B
Date	---	---	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022
Trichloroethene	ug/m^3	2.1	0.21	<0.14	<0.14	**2.1**	<0.14	<0.14	<0.14	<0.14	<0.14	1.9	<0.14	<0.14	0.67	<0.14	<0.14
Tetrachloroethene	ug/m^3	42	<0.17	<0.17	0.30	<0.17	<0.17	0.31	<0.17	<0.17	0.41	<0.17	<0.17	0.26	<0.17	0.29	0.28
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	<0.34	<0.33	2.1	2.2	0.53	0.40	<0.33	<0.33	2.4	1.9	0.46	2.8	1.2	<0.33	2.4

*Based on WDNR Quick Look-Up Table dated February 2022

TABLE 2

Passive Air Sampling Results for Commissioning

Community Within the Corridor - West Block - Building 6, 7, 8A, and 8B

Sample ID	Units	Residential Indoor Air VAL*	IA-8B-02B	IA-8B-02B	IA-8B-02C	IA-8B-02C	IA-8B-02C	IA-8B-02D	IA-8B-02D	IA-8B-02D	OA-6/7/8A/8B Background	OA-6/7/8A/8B Background	OA-6/7/8A/8B Background
Date	---	---	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022
Trichloroethene	ug/m^3	2.1	0.28	<0.14	0.25	Missing	<0.14	<0.14	0.7	<0.14	<0.14	0.27	<0.14
Tetrachloroethene	ug/m^3	42	<0.17	<0.17	1.1	Missing	7.0	0.32	<0.17	<0.17	<0.17	<0.17	<0.16
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	Missing	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	<0.33	<0.33	1.5	Missing	<0.33	3.0	1.2	<0.33	<0.33	<0.33	<0.32

*Based on WDNR Quick Look-Up Table dated February 2022

TABLE 3 - EXHAUST FAN SAMPLING RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

	SUB-SLAB VAPOR VRSL			EP-1	EP-1	EP-1	EP-2	EP-2	EP-2	EP-3	EP-3	EP-3	EP-4	EP-4	EP-5	EP-5	EP-6	EP-6	EP-7
	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
			LARGE	5/9/2022	9/21/2022	12/13/2022	5/9/2022	9/21/2022	12/13/2022	5/9/2022	9/21/2022	12/13/2022	9/21/2022	12/13/2022	9/21/2022	12/13/2022	9/21/2022	12/13/2022	9/21/2022
CHEMICAL (ug/m^3)	RESIDENTIAL	SMALL COMMERCIAL	COMMERCIAL / INDUSTRIAL	ug/m^3	ug/m^3	ug/m3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m3	ug/m^3	ug/m3	ug/m^3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	< 0.249	< 0.249	< 0.249	4.7	< 0.249	< 0.249	1.03	< 0.249	< 0.249	2.56	0.71 J	2.28	1.2	0.92	0.43 J	---
1,1,2,2-Tetrachloroethane	1.6	7	21	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	---
1,1,2-Trichloroethane	0.7	2.9	8.8	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	---
1,1-Dichloroethane	600	2,600	7,700	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	---
1,1-Dichloroethene	7,000	29,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	---
1,2,4-Trichlorobenzene	700	2933	8,800	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	---
1,2,4-Trimethylbenzene	2,100	8,700	26,000	4.3	3.09	1.57	5	8.6	2.65	4.6	7.9	4.8	17.2	3.6	16.1	4.1	20.3	2.35	---
1,2-Dichlorobenzene	700	2933	8,800	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	---
1,2-Dichloroethane	36	160	470	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	---
1,2-Dichloropropane	14	60	180	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	---
1,2-Dichlorotetrafluoroethane	---	---	---	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	---
1,3,5-Trimethylbenzene	2,100	8,700	26,000	1.28	1.08	0.54 J	2.01	3.7	1.03	1.57	2.99	1.67	6.4	1.37	5.8	1.42	6.8	0.83	---
1,3-Butadiene	---	---	---	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	---
1,3-Dichlorobenzene	---	---	---	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	---
1,4-Dichlorobenzene	8	37	110	< 0.302	0.96	< 0.302	< 0.302	0.96	< 0.302	< 0.302	0.48 J	< 0.302	0.6 J	< 0.302	0.48 J	< 0.302	0.42 J	< 0.302	---
1,4-Dioxane	18	83.3	250	< 0.157	7.1	< 0.157	< 0.157	12.6	< 0.157	< 0.157	12.5	< 0.157	13.5	< 0.157	13.8	< 0.157	13.2	< 0.157	---
2-Hexanone	---	---	---	< 0.222	< 0.222	1.72	< 0.222	< 0.222	1.39	< 0.222	< 0.222	2.09	< 0.222	1.72	< 0.222	2.21	< 0.222	1.92	---
4-Ethyltoluene	---	---	---	0.59 J	0.93	0.49 J	1.18	3.2	0.69	0.74	2.31	1.08	4.7	0.83	4.1	0.78	4.5	0.44 J	---
Acetone	106,667	466,667	1,400,000	195	770	50	24.8	590	66	126	570	75	680	45	820	46	420	51	---
Benzene	120	530	1,600	2.04	3.5	1.31	1.47	3.3	0.86	5.7	4.7	0.99	5.8	0.89	5.7	0.96	4.6	0.8	---
Benzyl Chloride	1.9	8	25	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	---
Bromodichloromethane	2.53	11	33	< 0.374	< 0.374	< 0.374	0.47 J	< 0.374	< 0.374	1.27	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	---
Bromoform	86.6	367	1,100	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	---
Bromomethane	17.3	73	220	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---
Carbon Disulfide	2,433	10,333	31,000	0.37 J	110	29.7	0.34 J	63	6.9	0.34 J	47	6.9	49	5.2	41	4	32	3.7	---
Carbon Tetrachloride	156	667	2,000	0.5 J	3.3	0.63 J	0.63 J	11	0.82 J	0.57 J	14.8	1.26	**370**	1.76	**340**	2.46	91	1.45	---
Chlorobenzene	173	733	2,200	< 0.251	0.51 J	< 0.251	< 0.251	0.69 J	< 0.251	< 0.251	0.6 J	< 0.251	0.74 J	< 0.251	0.79 J	< 0.251	0.65 J	< 0.251	---
Chloroethane	33,333	146,667	440,000	< 0.159	1.48	< 0.159	< 0.159	0.84	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	0.66	< 0.159	< 0.159	< 0.159	---
Chloroform	3,100	13,000	39,000	1.56	2.68	0.44 J	1.12	4.3	1.85	4.2	2.82	1.61	3.6	0.88 J	4	0.88 J	3.5	0.73 J	---
Chloromethane	3,100	13,000	39,000	< 0.831	2.06 J	0.93 J	< 0.831	3.2	0.91 J	< 0.831	1.07 J	1.07 J	1.36 J	< 0.831	1.38 J	0.87 J	1.42 J	< 0.831	---
cis-1,2-Dichloroethene	---	---	---	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	0.277 J	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	---
cis-1,3-Dichloropropene	---	---	---	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	---
Cyclohexane	3,333	14,667	44,000	7.3	2.96	1.03	1.69	1.58	0.52 J	7.5	1.76	0.76	2.13	4.3	2.2	4.3	1.34	1.14	---
Dibromochloromethane	---	---	---	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	---
Dichlorodifluoromethane	3,300	14,667	44,000	2.62	5.5	3.11	2.57	3.5	2.57	2.57	3.2	3.11	3.7	2.47	4.1	3.2	3.4	2.92	---
EDB (1,2-Dibromoethane)	0.157	0.67	2	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	---
Ethanol	---	---	---	19.3	2250 10	7.5	4.8	2610 10	12.8	8.3	1720 10	30.3	1370 J	34	1250 10	46	780 10	56	---
Ethyl Acetate	---	---	---	1.15	3.3	< 0.176	< 0.176	2.38	< 0.176	< 0.176	1.87	< 0.176	2.05	< 0.176	1.94	< 0.176	1.62	< 0.176	---
Ethylbenzene	370	1,600	4,900	0.52 J	19.8	3.8	28.4	36	3.3	17.5	32	2.6	40	1.82	42	1.73	42	1.3	---
Heptane	---	---	---	3.8	61	2.94	1.68	32	1.43	9.9	26.3	1.23	26.8	1.06	23.4	0.65 J	16.8	0.65 J	---
Hexachlorobutadiene	4.3	19	56	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	---
Hexane	1,400	6,000	18,000	5.1	15.5	3.07	2.5	8.9	1.37	5.6	9.4	1.34	8.5	19.5	9.5	11.4	6.6	2.68	---
Isopropyl Alcohol	---	---	---	9.6	39	3	1.33	39	2.95	3.4	54	4.1	66	6	63	8.8	54	14	---
m&p-Xylene	3,300	15,000	44,000	2.17	71	15.9	80	143	16.3	44	107	13.7	169	10.2	172	9.3	178	6.9	---
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	33	830	12.4	15.7	630	18.2	58	510	23.3	510	19	500	21.7	301	17.7	---
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	2.46	7	1.06	0.37 J	7.1	0.98	1.02	8.1	1.23	9.9	1.19	11.4	1.19	8.6	0.86	---
Methyl Methacrylate	---	---	---	< 0.217	2.66	< 0.217	< 0.217	2.37	< 0.217	< 0.217	2.13	< 0.217	1.96	< 0.217	1.88	< 0.217	1.8	< 0.217	---
Methyl tert-butyl ether (MTBE)	3,700	16,000	47,000	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	---
Methylene chloride	21,000	87,000	260,000	21	32	< 0.159	18.8	24.7	18.6	20.8	25.9	30.4	18.8	26.7	27.8	21.6	15.7	18.7	---
Naphthalene	28	6,000	360	< 0.675	0.78 J	3.7	0.73 J	0.73 J	1.52 J	0.68 J	0.68 J	2.09 J	0.68 J	1.47 J	0.78 J	1.57 J	0.84 J	0.99 J	---
o-Xylene	3,300	15,000	44,000	1.86	21.6	6.3	20.6	59	7.4	10.6	37	7.6	60	5.8	61	6	65	3.9	---
Propene	---	---	---	6	32	7.8	4.9	25.2	6.5	< 0.079	25	11	34	5.9	43	5.6	23.8	4.6	---
Styrene	3,333	14,667	44,000	< 0.181	42	8.3	0.43 J	104	9.7	0.255 J	79	9.1	126	6.4	124	6.1	137	4	---
Tetrachloroethene (PCE)	1,400	6,000	18,000	76	10	1.83	57	2.04	0.75 J	57	1.9	< 0.278	1.63	< 0.278	1.83	< 0.278	5.6	< 0.278	---
Tetrahydrofuran	7,000	29,333	88,000	181	20.1	1.41	37	17.1	1.3	183	16.3	1.53	17.5	1.74	15.5	2.06	15.8	2.39	---
Toluene	170,000	730,000	2,200,000	4.8	137	7.9	7.6	137	4.3	12.2	122	3.7	122	2.97	117	3.6	97	3.13	---
trans-1,2-Dichloroethene	---	---	---	2.02	1.43	< 0.231	3.2	5	0.55 J	3.2	6.6	0.87	4.1	0.63 J	2.89	0.55 J	4.2	0.59 J	---
trans-1,3-Dichloropropene	---	---	---	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	---
Trichloroethene (TCE)	70	290	880	< 0.237	0.59 J	0.8	0.86	0.8	< 0.237	1.18	1.02	< 0.237	1.34	< 0.237	2.2	< 0.237	1.61	< 0.237	---

TABLE 3 - EXHAUST FAN SAMPLING RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			EP-1	EP-1	EP-1	EP-2	EP-2	EP-2	EP-3	EP-3	EP-3	EP-4	EP-4	EP-5	EP-5	EP-6	EP-6	EP-7
	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	5/9/2022	9/21/2022	12/13/2022	5/9/2022	9/21/2022	12/13/2022	5/9/2022	9/21/2022	12/13/2022	9/21/2022	12/13/2022	9/21/2022	12/13/2022	9/21/2022	12/13/2022	9/21/2022
				ug/m^3	ug/m^3	ug/m3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m3	ug/m^3	ug/m3	ug/m^3
Trichlorofluoromethane	---	---	---	1.24	1.97	1.24	1.24	1.97	1.35	1.29	1.74	1.69	2.36	1.4	2.19	1.52	1.91	1.46	---
Trichlorotrifluoroethane	---	---	---	0.54 J	0.84 J	0.61 J	0.54 J	0.84 J	0.54 J	0.54	0.84 J	0.69 J	0.77 J	0.61 J	0.84 J	0.69 J	0.77 J	0.69 J	---
Vinyl acetate	700	2933	8,800	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	---
Vinyl Chloride	57	930	2,800	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	---

Comments

All results in micrograms per cubic meter (ug/m^3)
"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation
"10" Code = Linear Range of Calibration Curve Exceeded
VRSL = Vapor Risk Screening Levels
Indicates detection is above Residential VRSLs
Indicates detection is above Small Commercial VRSLs
Indicates detection is above Large Commercial / Industrial VRSLs

ATTACHMENTS

ATTACHMENT A

Passive Air Sampling Test Results

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12/28/2022
Mr. Robert Reineke
K Singh & Associates
3636 N 124th St

Wauwatosa WI 53222

Project Name: CWC - West Block
Project #: 40443A
Workorder #: 2212244A

Dear Mr. Robert Reineke

The following report includes the data for the above referenced project for sample(s) received on 12/12/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. RAD130/SKC are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Jade White

Project Manager

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WORK ORDER #: 2212244A

Work Order Summary

CLIENT:	Mr. Robert Reineke K Singh & Associates 3636 N 124th St Wauwatosa, WI 53222	**BILL TO:**	Mr. Robert Reineke K Singh & Associates 3636 N 124th St Wauwatosa, WI 53222
PHONE:		**P.O. #**	
FAX:		**PROJECT #**	40443A CWC - West Block
DATE RECEIVED:	12/12/2022	**CONTACT:**	Jade White
DATE COMPLETED:	12/28/2022		

FRACTION #	NAME	TEST
01A	OA-6/7/8/A/8B Background	Passive S.E. RAD130/SKC
02A	IA-6 Basement	Passive S.E. RAD130/SKC
03A	IA-6-01A	Passive S.E. RAD130/SKC
04A	IA-6-01B	Passive S.E. RAD130/SKC
05A	IA-6-01C	Passive S.E. RAD130/SKC
06A	IA-6-02A	Passive S.E. RAD130/SKC
07A	IA-6-02B	Passive S.E. RAD130/SKC
08A	IA-6-02C	Passive S.E. RAD130/SKC
09A	IA-7-01A	Passive S.E. RAD130/SKC
10A	IA-7-01B	Passive S.E. RAD130/SKC
11A	IA-7-01C	Passive S.E. RAD130/SKC
12A	IA-7-01D	Passive S.E. RAD130/SKC
13A	IA-7-02A	Passive S.E. RAD130/SKC
14A	IA-7-02B	Passive S.E. RAD130/SKC
15A	Lab Blank	Passive S.E. RAD130/SKC
16A	CCV	Passive S.E. RAD130/SKC
17A	LCS	Passive S.E. RAD130/SKC
17AA	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY: Heidi Hayes DATE: 12/28/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
RAD130 Passive SE by Mod EPA TO-17
K Singh & Associates
Workorder# 2212244A

Fourteen Radiello 130 (Solvent) samples were received on December 12, 2022. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

Requirement	***TO-17***	***ATL Modifications***
Sample Collection	Pump pulls measured air volume through sorbent tube	VOCs in air adsorbed onto sorbent bed passively through diffusion
Sample Preparation	Thermal extraction	Solvent extraction
Sorbent tube conditioning	Condition newly packed tubes prior to use	Charcoal-based sorbent is a single use media and conditioning is conducted by vendor.
Instrumentation	Thermal desorption introduction system	Liquid injection introduction system
Internal Standard	Gas-phase internal standard introduced on the tube or focusing trap during analysis	Liquid-phase internal standard introduced on the tube at the time of extraction
Media and sample storage	<4 deg C, 30 days	Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping.
Internal Standard Recovery	+/-40% of daily CCV area	-50% to +100% of daily CCV area

Receiving Notes

The tube used to store the sorbent cartridge for sample OA-6/7/8/A/8B Background was not received. As a result, the cartridge was exposed to VOCs after sample collection. The client was notified and the lab was instructed to proceed with sample analysis. Detections in the sample were qualified with a "CN" flag to indicate possible a false positive or high bias due to the sample not received in the storage tube.

Analytical Notes

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

If validated uptake rates were not available, rates were estimated using the chemical's diffusion coefficient in air and the geometric constant of the sampler. Chemicals that are poorly retained by the sorbent over the sampling duration may exhibit a low bias. All concentrations calculated using estimated rates are qualified with a "C" flag.

To calculate ug/m3 concentrations in the Lab Blank, a sampling duration of 10272 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: OA-6/7/8/A/8B Background

Lab ID#: 2212244A-01A

No Detections Were Found.

Client Sample ID: IA-6 Basement

Lab ID#: 2212244A-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.12	0.17

Client Sample ID: IA-6-01A

Lab ID#: 2212244A-03A

No Detections Were Found.

Client Sample ID: IA-6-01B

Lab ID#: 2212244A-04A

No Detections Were Found.

Client Sample ID: IA-6-01C

Lab ID#: 2212244A-05A

No Detections Were Found.

Client Sample ID: IA-6-02A

Lab ID#: 2212244A-06A

No Detections Were Found.

Client Sample ID: IA-6-02B

Lab ID#: 2212244A-07A

No Detections Were Found.

Client Sample ID: IA-6-02C

Lab ID#: 2212244A-08A

No Detections Were Found.

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Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: IA-7-01A

Lab ID#: 2212244A-09A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.34 C	0.56 C

Client Sample ID: IA-7-01B

Lab ID#: 2212244A-10A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.38 C	0.63 C

Client Sample ID: IA-7-01C

Lab ID#: 2212244A-11A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.12	0.17

Client Sample ID: IA-7-01D

Lab ID#: 2212244A-12A

No Detections Were Found.

Client Sample ID: IA-7-02A

Lab ID#: 2212244A-13A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.20 C	0.33 C

Client Sample ID: IA-7-02B

Lab ID#: 2212244A-14A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.23 C	0.38 C

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Client Sample ID: OA-6/7/8/A/8B Background

Lab ID#: 2212244A-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122008sim**	**Date of Collection: 12/7/22 1:57:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 10:21 AM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.16	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10272 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-6 Basement

Lab ID#: 2212244A-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122009sim**	**Date of Collection: 12/7/22 1:35:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 10:47 AM**
		Date of Extraction: 12/20/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.12	0.17
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10103 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130

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Client Sample ID: IA-6-01A

Lab ID#: 2212244A-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122010sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 11:13 AM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.16	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10269 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: IA-6-01B

Lab ID#: 2212244A-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122011sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 11:40 AM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10050 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

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Client Sample ID: IA-6-01C

Lab ID#: 2212244A-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122012sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 12:06 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.34	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 9932 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-6-02A

Lab ID#: 2212244A-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122013sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 12:33 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10078 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: IA-6-02B

Lab ID#: 2212244A-07A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122014sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 12:59 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10165 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

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Client Sample ID: IA-6-02C

Lab ID#: 2212244A-08A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122015sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 01:25 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10079 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-7-01A

Lab ID#: 2212244A-09A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122016sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 01:52 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.34 C	0.56 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10049 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-7-01B

Lab ID#: 2212244A-10A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122017sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 02:18 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.38 C	0.63 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10050 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-7-01C

Lab ID#: 2212244A-11A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122018sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 02:45 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.12	0.17
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10120 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130

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Client Sample ID: IA-7-01D

Lab ID#: 2212244A-12A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122019sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 03:11 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10163 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

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Client Sample ID: IA-7-02A

Lab ID#: 2212244A-13A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122020sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 03:37 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.20 C	0.33 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10080 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-7-02B

Lab ID#: 2212244A-14A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122021sim**	**Date of Collection: 12/7/22**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 04:03 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.23 C	0.38 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10065 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2212244A-15A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122005sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 08:51 AM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.16	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10272 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: CCV

Lab ID#: 2212244A-16A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122002sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 07:29 AM**
		Date of Extraction: NA

Compound	%Recovery
Trichloroethene	98
Tetrachloroethene	99
cis-1,2-Dichloroethene	93
trans-1,2-Dichloroethene	94

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

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Client Sample ID: LCS

Lab ID#: 2212244A-17A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122003sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 07:58 AM**	
		Date of Extraction: 12/20/22	

Compound	%Recovery	Method Limits
Trichloroethene	107	70-130
Tetrachloroethene	102	70-130
cis-1,2-Dichloroethene	102	70-130
trans-1,2-Dichloroethene	104	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130

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Client Sample ID: LCSD

Lab ID#: 2212244A-17AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122004sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 08:24 AM**	
		Date of Extraction: 12/20/22	

Compound	%Recovery	Method Limits
Trichloroethene	105	70-130
Tetrachloroethene	102	70-130
cis-1,2-Dichloroethene	99	70-130
trans-1,2-Dichloroethene	102	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130

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Passive Sorbent Chain of Custody

WO# 2212244

Case Seal #: _____

Company: K. Singh & Associates, Inc. Project #: 40443A P.O. #: _____

Project Manager: Robert Reineke Project Name: CWC - West Block

Contact phone/email: 262-821-1171 rreineke@ksingh-eng.com Collected by: Robert Reineke

Lab I.D.	Sample Identification	Sampler ID	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Sample Matrix (check one): Indoor/Outdoor Air	Soil Gas	Workplace Monitoring	Other ( )	Analysis Requested	Sample Comments:
01A	OA-6/7/9A/9B Basement	PT915	11/30/2022	10:45	12/7/2022	13:57	X				PCE/TCE	
02A	IA-6 Basement	PT919		13:12		13:35	X					
03A	IA-6-01A	PT919		10:30			X					
04A	IA-6-01B	OW924		10:40			X					
05A	IA-6-01C	OW923		12:45			X					
06A	IA-6-02A	OW906		11:44			X					
07A	IA-6-02B	PT917		12:20			X					
08A	IA-6-02C	OW905		11:45			X					
09A	IA-7-01A	OW922		10:53			X					
10A	IA-7-01B	OW921		10:55			X					
11A	IA-7-01C	PT922		12:26			X					
12A	IA-7-01D	PT916		12:30			X					
13A	IA-7-02A	OW908		11:35			X					
14A	IA-7-02B	OW907		11:45			X					

Reporting Units (circle): ppbv µg/m3 ppmv mg/m3 µg ng

Turn Around Time: ☑ Normal ☐ Rush _____ Specify

Relinquished by: (signature)	Date	Time	Received by: (signature)	Date	Time	Notes to Lab:
Robert E. Reineke	12/7/2022	6:10 PM	[signature]	12/12/22	1005	
Relinquished by: (signature)	Date	Time	Received by: (signature)	Date	Time	

Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples.

Lab Use Only

Shipper Name: / Air Bill #:	Custody Seals Intact? / Temperature (°C)	Yes / No / None	Sample Condition Upon Receipt: (circle)	Good / SDR
FedEx		NA		Good

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12/27/2022
Mr. Robert Reineke
K Singh & Associates
3636 N 124th St

Wauwatosa WI 53222

Project Name: CWC - West Block
Project #: 40443A
Workorder #: 2212244B

Dear Mr. Robert Reineke

The following report includes the data for the above referenced project for sample(s) received on 12/12/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. RAD130/SKC are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Jade White

Project Manager

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WORK ORDER #: 2212244B

Work Order Summary

CLIENT:	Mr. Robert Reineke K Singh & Associates 3636 N 124th St Wauwatosa, WI 53222	**BILL TO:**	Mr. Robert Reineke K Singh & Associates 3636 N 124th St Wauwatosa, WI 53222
PHONE:		**P.O. #**	
FAX:		**PROJECT #**	40443A CWC - West Block
DATE RECEIVED:	12/12/2022	**CONTACT:**	Jade White
DATE COMPLETED:	12/27/2022		

FRACTION #	NAME	TEST
15A	IA-7-02C	Passive S.E. RAD130/SKC
16A	IA-8A-Basement	Passive S.E. RAD130/SKC
17A	IA-8A-01A	Passive S.E. RAD130/SKC
18A	IA-8A-01B	Passive S.E. RAD130/SKC
19A	IA-8A-01C	Passive S.E. RAD130/SKC
20A	IA-8A-01D	Passive S.E. RAD130/SKC
21A	IA-8A-02A	Passive S.E. RAD130/SKC
22A	IA-8A-02B	Passive S.E. RAD130/SKC
23A	IA-8A-02C	Passive S.E. RAD130/SKC
24A	IA-8A-02D	Passive S.E. RAD130/SKC
25A	IA-8A-03A	Passive S.E. RAD130/SKC
26A	IA-8A-03B	Passive S.E. RAD130/SKC
27A	IA-8A-03C	Passive S.E. RAD130/SKC
28A	IA-8A-03D	Passive S.E. RAD130/SKC
29A	IA-8A-03E	Passive S.E. RAD130/SKC
30A	IA-8A-03F	Passive S.E. RAD130/SKC
31A	IA-8B-01A	Passive S.E. RAD130/SKC
32A	IA-8B-01B	Passive S.E. RAD130/SKC
33A	IA-8B-01C	Passive S.E. RAD130/SKC
34A	IA-8B-01D	Passive S.E. RAD130/SKC
35A	IA-8B-02A	Passive S.E. RAD130/SKC
36A	IA-8B-02B	Passive S.E. RAD130/SKC
37A	IA-8B-02C	Passive S.E. RAD130/SKC

Continued on next page

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WORK ORDER #: 2212244B

Work Order Summary

CLIENT:	Mr. Robert Reineke K Singh & Associates 3636 N 124th St Wauwatosa, WI 53222	**BILL TO:**	Mr. Robert Reineke K Singh & Associates 3636 N 124th St Wauwatosa, WI 53222
PHONE:		**P.O. #**	
FAX:		**PROJECT #**	40443A CWC - West Block
DATE RECEIVED:	12/12/2022	**CONTACT:**	Jade White
DATE COMPLETED:	12/27/2022		

FRACTION #	NAME	TEST
38A	IA-8B-02D	Passive S.E. RAD130/SKC
39A	Lab Blank	Passive S.E. RAD130/SKC
39B	Lab Blank	Passive S.E. RAD130/SKC
40A	CCV	Passive S.E. RAD130/SKC
40B	CCV	Passive S.E. RAD130/SKC
41A	LCS	Passive S.E. RAD130/SKC
41AA	LCSD	Passive S.E. RAD130/SKC
41B	LCS	Passive S.E. RAD130/SKC
41BB	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY: Heidi Hayes DATE: 12/27/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
RAD130 Passive SE by Mod EPA TO-17
K Singh & Associates
Workorder# 2212244B

Twenty-four Radiello 130 (Solvent) samples were received on December 12, 2022. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

Requirement	***TO-17***	***ATL Modifications***
Sample Collection	Pump pulls measured air volume through sorbent tube	VOCs in air adsorbed onto sorbent bed passively through diffusion
Sample Preparation	Thermal extraction	Solvent extraction
Sorbent tube conditioning	Condition newly packed tubes prior to use	Charcoal-based sorbent is a single use media and conditioning is conducted by vendor.
Instrumentation	Thermal desorption introduction system	Liquid injection introduction system
Internal Standard	Gas-phase internal standard introduced on the tube or focusing trap during analysis	Liquid-phase internal standard introduced on the tube at the time of extraction
Media and sample storage	<4 deg C, 30 days	Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping.
Internal Standard Recovery	+/-40% of daily CCV area	-50% to +100% of daily CCV area

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

If validated uptake rates were not available, rates were estimated using the chemical's diffusion coefficient in air and the geometric constant of the sampler. Chemicals that are poorly retained by the sorbent over the sampling duration may exhibit a low bias. All concentrations calculated using estimated rates are qualified with a "C" flag.

To calculate ug/m3 concentrations in the Lab Blank, a sampling duration of 10112 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: IA-7-02C

Lab ID#: 2212244B-15A

No Detections Were Found.

Client Sample ID: IA-8A-Basement

Lab ID#: 2212244B-16A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.24	0.34
Tetrachloroethene	0.10	0.17	0.22	0.38

Client Sample ID: IA-8A-01A

Lab ID#: 2212244B-17A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.42 C	0.70 C

Client Sample ID: IA-8A-01B

Lab ID#: 2212244B-18A

No Detections Were Found.

Client Sample ID: IA-8A-01C

Lab ID#: 2212244B-19A

No Detections Were Found.

Client Sample ID: IA-8A-01D

Lab ID#: 2212244B-20A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.31 C	0.51 C

Client Sample ID: IA-8A-02A

Lab ID#: 2212244B-21A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)

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Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: IA-8A-02A

Lab ID#: 2212244B-21A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.17	0.11	0.18

Client Sample ID: IA-8A-02B

Lab ID#: 2212244B-22A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.17	0.11	0.19

Client Sample ID: IA-8A-02C

Lab ID#: 2212244B-23A

No Detections Were Found.

Client Sample ID: IA-8A-02D

Lab ID#: 2212244B-24A

No Detections Were Found.

Client Sample ID: IA-8A-03A

Lab ID#: 2212244B-25A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.32 C	0.52 C

Client Sample ID: IA-8A-03B

Lab ID#: 2212244B-26A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.25 C	0.42 C

Client Sample ID: IA-8A-03C

Lab ID#: 2212244B-27A

No Detections Were Found.

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Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: IA-8A-03D

Lab ID#: 2212244B-28A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.36 C	0.60 C

Client Sample ID: IA-8A-03E

Lab ID#: 2212244B-29A

No Detections Were Found.

Client Sample ID: IA-8A-03F

Lab ID#: 2212244B-30A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.35 C	0.58 C

Client Sample ID: IA-8B-01A

Lab ID#: 2212244B-31A

No Detections Were Found.

Client Sample ID: IA-8B-01B

Lab ID#: 2212244B-32A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.32 C	0.53 C

Client Sample ID: IA-8B-01C

Lab ID#: 2212244B-33A

No Detections Were Found.

Client Sample ID: IA-8B-01D

Lab ID#: 2212244B-34A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.33	0.28 C	0.46 C

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Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: IA-8B-02A

Lab ID#: 2212244B-35A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.17	0.17	0.29

Client Sample ID: IA-8B-02B

Lab ID#: 2212244B-36A

No Detections Were Found.

Client Sample ID: IA-8B-02C

Lab ID#: 2212244B-37A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.17	4.2	7.0

Client Sample ID: IA-8B-02D

Lab ID#: 2212244B-38A

No Detections Were Found.

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Client Sample ID: IA-7-02C

Lab ID#: 2212244B-15A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122022sim**	**Date of Collection: 12/7/22 12:44:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 04:30 PM**
		Date of Extraction: 12/20/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10110 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

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Client Sample ID: IA-8A-Basement

Lab ID#: 2212244B-16A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122023sim**	**Date of Collection: 12/7/22 1:28:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 04:56 PM**
		Date of Extraction: 12/20/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.24	0.34
Tetrachloroethene	0.10	0.17	0.22	0.38
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10096 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

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Client Sample ID: IA-8A-01A

Lab ID#: 2212244B-17A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122024sim**	**Date of Collection: 12/7/22 10:33:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 05:22 PM**
		Date of Extraction: 12/20/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.42 C	0.70 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10045 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-8A-01B

Lab ID#: 2212244B-18A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122025sim**	**Date of Collection: 12/7/22 12:59:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 05:49 PM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10083 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: IA-8A-01C

Lab ID#: 2212244B-19A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122106sim**	**Date of Collection: 12/7/22 11:20:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 09:59 AM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10090 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-8A-01D

Lab ID#: 2212244B-20A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122107sim**	**Date of Collection: 12/7/22 10:35:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 10:25 AM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.31 C	0.51 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10043 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

eurofins | Air Toxics

Client Sample ID: IA-8A-02A

Lab ID#: 2212244B-21A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122108sim**	**Date of Collection: 12/7/22 11:04:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 10:52 AM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	0.11	0.18
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10059 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130

eurofins | Air Toxics

Client Sample ID: IA-8A-02B

Lab ID#: 2212244B-22A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122109sim**	**Date of Collection: 12/7/22 11:10:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 11:18 AM**
		Date of Extraction: 12/21/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	0.11	0.19
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10070 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

eurofins | Air Toxics

Client Sample ID: IA-8A-02C

Lab ID#: 2212244B-23A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122110sim**	**Date of Collection: 12/7/22 12:30:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 11:44 AM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10103 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

eurofins | Air Toxics

Client Sample ID: IA-8A-02D

Lab ID#: 2212244B-24A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122111sim**	**Date of Collection: 12/7/22 11:22:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 12:11 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10082 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

eurofins | Air Toxics

Client Sample ID: IA-8A-03A

Lab ID#: 2212244B-25A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122112sim**	**Date of Collection: 12/7/22 12:01:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 12:37 PM**
		Date of Extraction: 12/21/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.32 C	0.52 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10086 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

eurofins | Air Toxics

Client Sample ID: IA-8A-03B

Lab ID#: 2212244B-26A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122113sim**	**Date of Collection: 12/7/22 12:05:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 01:04 PM**
		Date of Extraction: 12/21/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.25 C	0.42 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10095 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

eurofins | Air Toxics

Client Sample ID: IA-8A-03C

Lab ID#: 2212244B-27A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122114sim**	**Date of Collection: 12/7/22 12:25:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 01:30 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10103 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: IA-8A-03D

Lab ID#: 2212244B-28A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122115sim**	**Date of Collection: 12/7/22 12:16:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 01:56 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.36 C	0.60 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10101 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-8A-03E

Lab ID#: 2212244B-29A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122116sim**	**Date of Collection: 12/7/22 12:09:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 02:23 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10097 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: IA-8A-03F

Lab ID#: 2212244B-30A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122117sim**	**Date of Collection: 12/7/22 12:14:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 02:49 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.35 C	0.58 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10102 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: IA-8B-01A

Lab ID#: 2212244B-31A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122118sim**	**Date of Collection: 12/7/22 10:47:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 03:15 PM**
		Date of Extraction: 12/21/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10059 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

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Client Sample ID: IA-8B-01B

Lab ID#: 2212244B-32A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122119sim**	**Date of Collection: 12/7/22 10:44:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 03:41 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.32 C	0.53 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10064 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: IA-8B-01C

Lab ID#: 2212244B-33A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122120sim**	**Date of Collection: 12/7/22 1:21:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 04:08 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10112 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-8B-01D

Lab ID#: 2212244B-34A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122121sim**	**Date of Collection: 12/7/22 10:40:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 04:34 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.28 C	0.46 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10060 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: IA-8B-02A

Lab ID#: 2212244B-35A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122122sim**	**Date of Collection: 12/7/22 10:54:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 05:00 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	0.17	0.29
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10039 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: IA-8B-02B

Lab ID#: 2212244B-36A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122123sim**	**Date of Collection: 12/7/22 10:53:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 05:27 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10043 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

eurofins | Air Toxics

Client Sample ID: IA-8B-02C

Lab ID#: 2212244B-37A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122124sim**	**Date of Collection: 12/7/22 12:37:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 05:53 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	4.2	7.0
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10107 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

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Client Sample ID: IA-8B-02D

Lab ID#: 2212244B-38A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122125sim**	**Date of Collection: 12/7/22 11:33:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 06:19 PM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10083 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2212244B-39A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122005sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 08:51 AM**	
		Date of Extraction: 12/20/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10112 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2212244B-39B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122105sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 09:27 AM**	
		Date of Extraction: 12/21/22	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10112 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 2212244B-40A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122002sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 07:29 AM**
		Date of Extraction: NA

Compound	%Recovery
Trichloroethene	98
Tetrachloroethene	99
cis-1,2-Dichloroethene	93
trans-1,2-Dichloroethene	94

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 2212244B-40B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122102sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 08:08 AM**
		Date of Extraction: NA

Compound	%Recovery
Trichloroethene	120
Tetrachloroethene	124
cis-1,2-Dichloroethene	98
trans-1,2-Dichloroethene	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	125	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2212244B-41A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122003sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 07:58 AM**	
		Date of Extraction: 12/20/22	

Compound	%Recovery	Method Limits
Trichloroethene	107	70-130
Tetrachloroethene	102	70-130
cis-1,2-Dichloroethene	102	70-130
trans-1,2-Dichloroethene	104	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2212244B-41AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122004sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/20/22 08:24 AM**	
		Date of Extraction: 12/20/22	

Compound	%Recovery	Method Limits
Trichloroethene	105	70-130
Tetrachloroethene	102	70-130
cis-1,2-Dichloroethene	99	70-130
trans-1,2-Dichloroethene	102	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2212244B-41B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122103sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 08:34 AM**	
		Date of Extraction: 12/21/22	

Compound	%Recovery	Method Limits
Trichloroethene	99	70-130
Tetrachloroethene	94	70-130
cis-1,2-Dichloroethene	97	70-130
trans-1,2-Dichloroethene	102	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2212244B-41BB

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18122104sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/22 09:00 AM**	
		Date of Extraction: 12/21/22	

Compound	%Recovery	Method Limits
Trichloroethene	100	70-130
Tetrachloroethene	95	70-130
cis-1,2-Dichloroethene	99	70-130
trans-1,2-Dichloroethene	104	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

eurofins | Air Toxics

Passive Sorbent Chain of Custody

2212244

WO# ~~2212245~~ JP 12/13/22

Case Seal #: _____

Company: K. Singh & Associates, Inc. Project #: 40443A P.O. #: _____

Project Manager: Robert Reineke Project Name: CWC - West Block

Contact phone/email: (267)921-1171 rreineke@KSinghassociates.com Collected by: Robert Reineke

Lab I.D.	Sample Identification	Sampler ID	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Sample Matrix (check one): Indoor/Outdoor Air	Soil Gas	Workplace Monitoring	Other ( )	Analysis Requested	Sample Comments:
~~01A~~ 12/14/22												
15A	IA-7-02C	PT924	11/30/2022	12:14	12/7/2022	12:44	X				PCE/TCE	
16A	02A IA-8A-Basement	PT920		13:12		13:28	X					
17A	03A IA-8A-01A	OW920		11:08		10:33	X					
18A	04A IA-8A-01B	PT923		12:56		12:59	X					
19A	05A IA-8A-01C	OW911		11:10		11:20	X					
20A	06A IA-8A-01D	OW919		11:12		10:35	X					
21A	07A IA-8A-02A	OW913		11:25		11:04	X					
22A	08A IA-8A-02B	OW912		11:20		11:10	X					
23A	09A IA-8A-02C	PT926		12:07		12:30	X					
24A	10A IA-8A-02D	OW910		11:20		11:22	X					
25A	11A IA-8A-03A	OW904		11:55		12:01	X					
26A	12A IA-8A-03B	PT931		11:50		12:05	X					
27A	13A IA-8A-03C	PT927		12:02		12:25	X					
28A	14A IA-8A-03D	PT929		11:55		12:16	X					

Reporting Units (circle): ppbv µg/m3 ppmv mg/m3 µg ng

Turn Around Time: ☑ Normal ☐ Rush Specify

Relinquished by: (signature)	Date	Time	Received by: (signature)	Date	Time	Notes to Lab:
	12/1/22	6:10 PM		12/12/22	1005	
Relinquished by: (signature)	Date	Time	Received by: (signature)	Date	Time	

Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples.

Lab Use Only

Shipper Name: FedEx Air Bill #:

Custody Seals Intact? Yes No None

Temperature (°C) NA

Sample Condition Upon Receipt: (circle) Good SDR

eurofins | Air Toxics

Passive Sorbent Chain of Custody

2212244

Page 3 of 3

WO# ~~2212245~~ 12/13/22

Case Seal #: _____

Company: K Singh & Associates, Inc Project #: 40443A P.O. #: _____

Project Manager: Robert Reinecke Project Name: CWC - West Block

Contact phone/email: _____ Collected by: Robert Reinecke

Sample Matrix (check one): Indoor/Outdoor Air | Soil Gas | Workplace Monitoring | Other ( )

Reporting Units (circle): ppbv | µg/m3 | ppmv | mg/m3 | µg | ng

Turn Around Time: ☒ Normal ☐ Rush _____ Specify

	Lab I.D.	Sample Identification	Sampler ID	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Indoor/Outdoor Air	Soil Gas	Workplace Monitoring	Other	Analysis Requested	Sample Comments:
29A	~~15A~~	IA-8A-03E	PT 930 ✓	11/30/2022	11:52	12/7/2022	12:09	X				PCE/TCE	
30A	16A	IA-8A-03F	PT 929 ✓		11:~~52~~		12:14	X					
31A	17A	IA-8B-01A	OW916 ✓		11:08		10:47	X					
32A	18A	IA-8B-01B	OW917 ✓		~~12:49~~ 11:0		10:44	X					
33A	19A	IA-8B-01C	PT 921 ✓		12:49		13:21	X					
34A	20A	IA-8B-01D	OW918 ✓		~~12~~ 11:00		10:40	X					
35A	21A	IA-8B-02A	OW914 ✓		11:35		10:54	X					
36A	22A	IA-8B-02B	OW915 ✓		11:30		10:53	X					
37A	23A	IA-8B-02C	PT 925 ✓		12:10		12:37	X					
38A	~~24A~~	IA-8B-02D	OW 909 ✓		11:30		11:33	X					

Relinquished by: (signature)	Date	Time	Received by: (signature)	Date	Time	Notes to Lab:
	12/7/22	6:10 PM		12/8/22	1005	
Relinquished by: (signature)	Date	Time	Received by: (signature)	Date	Time	

Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples.

Lab Use Only

Shipper Name: Fed Ex Air Bill #: _____

Custody Seals Intact? Yes NA / No / None Temperature (°C) _____

Sample Condition Upon Receipt: (circle) Good / SDR

ATTACHMENT B

Exhaust Fan Sampling Test Results

Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ROBERT REINEKE
K SINGH & ASSOCIATES
3636 N. 124TH STREET
MILWAUKEE. WI 53222

Report Date *19-Dec-22*

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817A
Sample ID EP-1
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	50	ug/m3	0.299	0.95	1	TO-15		12/15/2022	CJR	1
Benzene	1.31	ug/m3	0.136	0.433	1	TO-15		12/15/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		12/15/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		12/15/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		12/15/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		12/15/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		12/15/2022	CJR	1
Carbon Disulfide	29.7	ug/m3	0.138	0.44	1	TO-15		12/15/2022	CJR	1
Carbon Tetrachloride	0.63 "J"	ug/m3	0.307	0.978	1	TO-15		12/15/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		12/15/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		12/15/2022	CJR	1
Chloroform	0.44 "J"	ug/m3	0.3	0.953	1	TO-15		12/15/2022	CJR	1
Chloromethane	0.93 "J"	ug/m3	0.831	2.64	1	TO-15		12/15/2022	CJR	1
Cyclohexane	1.03	ug/m3	0.212	0.674	1	TO-15		12/15/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		12/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		12/15/2022	CJR	1
Dichlorodifluoromethane	3.11	ug/m3	0.263	0.836	1	TO-15		12/15/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		12/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		12/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		12/15/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817A
Sample ID EP-1
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		12/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		12/15/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		12/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		12/15/2022	CJR	1
Ethanol	7.5	ug/m3	0.152	0.482	1	TO-15		12/15/2022	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		12/15/2022	CJR	1
Ethylbenzene	3.8	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
4-Ethyltoluene	0.49 "J"	ug/m3	0.214	0.681	1	TO-15		12/15/2022	CJR	1
Heptane	2.94	ug/m3	0.265	0.845	1	TO-15		12/15/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		12/15/2022	CJR	1
Hexane	3.07	ug/m3	0.235	0.748	1	TO-15		12/15/2022	CJR	1
2-Hexanone	1.72	ug/m3	0.222	0.707	1	TO-15		12/15/2022	CJR	1
Isopropyl Alcohol	3.0	ug/m3	0.109	0.347	1	TO-15		12/15/2022	CJR	1
Methyl ethyl ketone (MEK)	12.4	ug/m3	0.178	0.567	1	TO-15		12/15/2022	CJR	1
Methyl isobutyl ketone (MIBK)	1.06	ug/m3	0.168	0.536	1	TO-15		12/15/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		12/15/2022	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		12/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		12/15/2022	CJR	1
Naphthalene	3.7	ug/m3	0.675	2.15	1	TO-15		12/15/2022	CJR	1
Propene	7.8	ug/m3	0.079	0.251	1	TO-15		12/15/2022	CJR	1
Styrene	8.3	ug/m3	0.181	0.577	1	TO-15		12/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		12/15/2022	CJR	1
Tetrachloroethene	1.83	ug/m3	0.278	0.884	1	TO-15		12/15/2022	CJR	1
Tetrahydrofuran	1.41	ug/m3	0.131	0.417	1	TO-15		12/15/2022	CJR	1
Toluene	7.9	ug/m3	0.184	0.585	1	TO-15		12/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		12/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		12/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		12/15/2022	CJR	1
Trichloroethene (TCE)	0.80	ug/m3	0.237	0.754	1	TO-15		12/15/2022	CJR	1
Trichlorofluoromethane	1.24	ug/m3	0.337	1.07	1	TO-15		12/15/2022	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		12/15/2022	CJR	1
1,2,4-Trimethylbenzene	1.57	ug/m3	0.283	0.899	1	TO-15		12/15/2022	CJR	1
1,3,5-Trimethylbenzene	0.54 "J"	ug/m3	0.232	0.739	1	TO-15		12/15/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		12/15/2022	CJR	1
m&p-Xylene	15.9	ug/m3	0.377	1.2	1	TO-15		12/15/2022	CJR	1
o-Xylene	6.3	ug/m3	0.218	0.695	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817B
Sample ID EP-2
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	66	ug/m3	0.299	0.95	1	TO-15		12/15/2022	CJR	1
Benzene	0.86	ug/m3	0.136	0.433	1	TO-15		12/15/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		12/15/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		12/15/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		12/15/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		12/15/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		12/15/2022	CJR	1
Carbon Disulfide	6.9	ug/m3	0.138	0.44	1	TO-15		12/15/2022	CJR	1
Carbon Tetrachloride	0.82 "J"	ug/m3	0.307	0.978	1	TO-15		12/15/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		12/15/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		12/15/2022	CJR	1
Chloroform	1.85	ug/m3	0.3	0.953	1	TO-15		12/15/2022	CJR	1
Chloromethane	0.91 "J"	ug/m3	0.831	2.64	1	TO-15		12/15/2022	CJR	1
Cyclohexane	0.52 "J"	ug/m3	0.212	0.674	1	TO-15		12/15/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		12/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		12/15/2022	CJR	1
Dichlorodifluoromethane	2.57	ug/m3	0.263	0.836	1	TO-15		12/15/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		12/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		12/15/2022	CJR	1
trans-1,2-Dichloroethene	0.55 "J"	ug/m3	0.231	0.734	1	TO-15		12/15/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		12/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		12/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		12/15/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		12/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		12/15/2022	CJR	1
Ethanol	12.8	ug/m3	0.152	0.482	1	TO-15		12/15/2022	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		12/15/2022	CJR	1
Ethylbenzene	3.3	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
4-Ethyltoluene	0.69	ug/m3	0.214	0.681	1	TO-15		12/15/2022	CJR	1
Heptane	1.43	ug/m3	0.265	0.845	1	TO-15		12/15/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		12/15/2022	CJR	1
Hexane	1.37	ug/m3	0.235	0.748	1	TO-15		12/15/2022	CJR	1
2-Hexanone	1.39	ug/m3	0.222	0.707	1	TO-15		12/15/2022	CJR	1
Isopropyl Alcohol	2.95	ug/m3	0.109	0.347	1	TO-15		12/15/2022	CJR	1
Methyl ethyl ketone (MEK)	18.2	ug/m3	0.178	0.567	1	TO-15		12/15/2022	CJR	1
Methyl isobutyl ketone (MIBK)	0.98	ug/m3	0.168	0.536	1	TO-15		12/15/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		12/15/2022	CJR	1
Methylene chloride	18.6	ug/m3	0.159	0.506	1	TO-15		12/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817B
Sample ID EP-2
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.52 "J"	ug/m3	0.675	2.15	1	TO-15		12/15/2022	CJR	1
Propene	6.5	ug/m3	0.079	0.251	1	TO-15		12/15/2022	CJR	1
Styrene	9.7	ug/m3	0.181	0.577	1	TO-15		12/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		12/15/2022	CJR	1
Tetrachloroethene	0.75 "J"	ug/m3	0.278	0.884	1	TO-15		12/15/2022	CJR	1
Tetrahydrofuran	1.3	ug/m3	0.131	0.417	1	TO-15		12/15/2022	CJR	1
Toluene	4.3	ug/m3	0.184	0.585	1	TO-15		12/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		12/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		12/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		12/15/2022	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		12/15/2022	CJR	1
Trichlorofluoromethane	1.35	ug/m3	0.337	1.07	1	TO-15		12/15/2022	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		12/15/2022	CJR	1
1,2,4-Trimethylbenzene	2.65	ug/m3	0.283	0.899	1	TO-15		12/15/2022	CJR	1
1,3,5-Trimethylbenzene	1.03	ug/m3	0.232	0.739	1	TO-15		12/15/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		12/15/2022	CJR	1
m&p-Xylene	16.3	ug/m3	0.377	1.2	1	TO-15		12/15/2022	CJR	1
o-Xylene	7.4	ug/m3	0.218	0.695	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817C
Sample ID EP-3
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	75	ug/m3	0.299	0.95	1	TO-15		12/15/2022	CJR	1
Benzene	0.99	ug/m3	0.136	0.433	1	TO-15		12/15/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		12/15/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		12/15/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		12/15/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		12/15/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		12/15/2022	CJR	1
Carbon Disulfide	6.9	ug/m3	0.138	0.44	1	TO-15		12/15/2022	CJR	1
Carbon Tetrachloride	1.26	ug/m3	0.307	0.978	1	TO-15		12/15/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		12/15/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		12/15/2022	CJR	1
Chloroform	1.61	ug/m3	0.3	0.953	1	TO-15		12/15/2022	CJR	1
Chloromethane	1.07 "J"	ug/m3	0.831	2.64	1	TO-15		12/15/2022	CJR	1
Cyclohexane	0.76	ug/m3	0.212	0.674	1	TO-15		12/15/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		12/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		12/15/2022	CJR	1
Dichlorodifluoromethane	3.11	ug/m3	0.263	0.836	1	TO-15		12/15/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		12/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		12/15/2022	CJR	1
trans-1,2-Dichloroethene	0.87	ug/m3	0.231	0.734	1	TO-15		12/15/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		12/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		12/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		12/15/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		12/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		12/15/2022	CJR	1
Ethanol	30.3	ug/m3	0.152	0.482	1	TO-15		12/15/2022	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		12/15/2022	CJR	1
Ethylbenzene	2.6	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
4-Ethyltoluene	1.08	ug/m3	0.214	0.681	1	TO-15		12/15/2022	CJR	1
Heptane	1.23	ug/m3	0.265	0.845	1	TO-15		12/15/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		12/15/2022	CJR	1
Hexane	1.34	ug/m3	0.235	0.748	1	TO-15		12/15/2022	CJR	1
2-Hexanone	2.09	ug/m3	0.222	0.707	1	TO-15		12/15/2022	CJR	1
Isopropyl Alcohol	4.1	ug/m3	0.109	0.347	1	TO-15		12/15/2022	CJR	1
Methyl ethyl ketone (MEK)	23.3	ug/m3	0.178	0.567	1	TO-15		12/15/2022	CJR	1
Methyl isobutyl ketone (MIBK)	1.23	ug/m3	0.168	0.536	1	TO-15		12/15/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		12/15/2022	CJR	1
Methylene chloride	30.4	ug/m3	0.159	0.506	1	TO-15		12/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817C
Sample ID EP-3
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	2.09 "J"	ug/m3	0.675	2.15	1	TO-15		12/15/2022	CJR	1
Propene	11	ug/m3	0.079	0.251	1	TO-15		12/15/2022	CJR	1
Styrene	9.1	ug/m3	0.181	0.577	1	TO-15		12/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		12/15/2022	CJR	1
Tetrachloroethene	< 0.278	ug/m3	0.278	0.884	1	TO-15		12/15/2022	CJR	1
Tetrahydrofuran	1.53	ug/m3	0.131	0.417	1	TO-15		12/15/2022	CJR	1
Toluene	3.7	ug/m3	0.184	0.585	1	TO-15		12/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		12/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		12/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		12/15/2022	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		12/15/2022	CJR	1
Trichlorofluoromethane	1.69	ug/m3	0.337	1.07	1	TO-15		12/15/2022	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		12/15/2022	CJR	1
1,2,4-Trimethylbenzene	4.8	ug/m3	0.283	0.899	1	TO-15		12/15/2022	CJR	1
1,3,5-Trimethylbenzene	1.67	ug/m3	0.232	0.739	1	TO-15		12/15/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		12/15/2022	CJR	1
m&p-Xylene	13.7	ug/m3	0.377	1.2	1	TO-15		12/15/2022	CJR	1
o-Xylene	7.6	ug/m3	0.218	0.695	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817D
Sample ID EP-4
Sample Matrix Air
Sample Date 12/13/2022

Organic

Air Samples

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Acetone	45	ug/m3	0.299	0.95	1	TO-15		12/15/2022	CJR	1
Benzene	0.89	ug/m3	0.136	0.433	1	TO-15		12/15/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		12/15/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		12/15/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		12/15/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		12/15/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		12/15/2022	CJR	1
Carbon Disulfide	5.2	ug/m3	0.138	0.44	1	TO-15		12/15/2022	CJR	1
Carbon Tetrachloride	1.76	ug/m3	0.307	0.978	1	TO-15		12/15/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		12/15/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		12/15/2022	CJR	1
Chloroform	0.88 "J"	ug/m3	0.3	0.953	1	TO-15		12/15/2022	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		12/15/2022	CJR	1
Cyclohexane	4.3	ug/m3	0.212	0.674	1	TO-15		12/15/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		12/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		12/15/2022	CJR	1
Dichlorodifluoromethane	2.47	ug/m3	0.263	0.836	1	TO-15		12/15/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		12/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		12/15/2022	CJR	1
trans-1,2-Dichloroethene	0.63 "J"	ug/m3	0.231	0.734	1	TO-15		12/15/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		12/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		12/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		12/15/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		12/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		12/15/2022	CJR	1
Ethanol	34	ug/m3	0.152	0.482	1	TO-15		12/15/2022	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		12/15/2022	CJR	1
Ethylbenzene	1.82	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
4-Ethyltoluene	0.83	ug/m3	0.214	0.681	1	TO-15		12/15/2022	CJR	1
Heptane	1.06	ug/m3	0.265	0.845	1	TO-15		12/15/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		12/15/2022	CJR	1
Hexane	19.5	ug/m3	0.235	0.748	1	TO-15		12/15/2022	CJR	1
2-Hexanone	1.72	ug/m3	0.222	0.707	1	TO-15		12/15/2022	CJR	1
Isopropyl Alcohol	6.0	ug/m3	0.109	0.347	1	TO-15		12/15/2022	CJR	1
Methyl ethyl ketone (MEK)	19	ug/m3	0.178	0.567	1	TO-15		12/15/2022	CJR	1
Methyl isobutyl ketone (MIBK)	1.19	ug/m3	0.168	0.536	1	TO-15		12/15/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		12/15/2022	CJR	1
Methylene chloride	26.7	ug/m3	0.159	0.506	1	TO-15		12/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817D
Sample ID EP-4
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.47 "J"	ug/m3	0.675	2.15	1	TO-15		12/15/2022	CJR	1
Propene	5.9	ug/m3	0.079	0.251	1	TO-15		12/15/2022	CJR	1
Styrene	6.4	ug/m3	0.181	0.577	1	TO-15		12/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		12/15/2022	CJR	1
Tetrachloroethene	< 0.278	ug/m3	0.278	0.884	1	TO-15		12/15/2022	CJR	1
Tetrahydrofuran	1.74	ug/m3	0.131	0.417	1	TO-15		12/15/2022	CJR	1
Toluene	2.97	ug/m3	0.184	0.585	1	TO-15		12/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		12/15/2022	CJR	1
1,1,1-Trichloroethane	0.71 "J"	ug/m3	0.249	0.793	1	TO-15		12/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		12/15/2022	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		12/15/2022	CJR	1
Trichlorofluoromethane	1.4	ug/m3	0.337	1.07	1	TO-15		12/15/2022	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		12/15/2022	CJR	1
1,2,4-Trimethylbenzene	3.6	ug/m3	0.283	0.899	1	TO-15		12/15/2022	CJR	1
1,3,5-Trimethylbenzene	1.37	ug/m3	0.232	0.739	1	TO-15		12/15/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		12/15/2022	CJR	1
m&p-Xylene	10.2	ug/m3	0.377	1.2	1	TO-15		12/15/2022	CJR	1
o-Xylene	5.8	ug/m3	0.218	0.695	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817E
Sample ID EP-5
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	46	ug/m3	0.299	0.95	1	TO-15		12/15/2022	CJR	1
Benzene	0.96	ug/m3	0.136	0.433	1	TO-15		12/15/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		12/15/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		12/15/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		12/15/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		12/15/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		12/15/2022	CJR	1
Carbon Disulfide	4.0	ug/m3	0.138	0.44	1	TO-15		12/15/2022	CJR	1
Carbon Tetrachloride	2.46	ug/m3	0.307	0.978	1	TO-15		12/15/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		12/15/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		12/15/2022	CJR	1
Chloroform	0.88 "J"	ug/m3	0.3	0.953	1	TO-15		12/15/2022	CJR	1
Chloromethane	0.87 "J"	ug/m3	0.831	2.64	1	TO-15		12/15/2022	CJR	1
Cyclohexane	4.3	ug/m3	0.212	0.674	1	TO-15		12/15/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		12/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		12/15/2022	CJR	1
Dichlorodifluoromethane	3.2	ug/m3	0.263	0.836	1	TO-15		12/15/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		12/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		12/15/2022	CJR	1
trans-1,2-Dichloroethene	0.55 "J"	ug/m3	0.231	0.734	1	TO-15		12/15/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		12/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		12/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		12/15/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		12/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		12/15/2022	CJR	1
Ethanol	46	ug/m3	0.152	0.482	1	TO-15		12/15/2022	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		12/15/2022	CJR	1
Ethylbenzene	1.73	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
4-Ethyltoluene	0.78	ug/m3	0.214	0.681	1	TO-15		12/15/2022	CJR	1
Heptane	0.65 "J"	ug/m3	0.265	0.845	1	TO-15		12/15/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		12/15/2022	CJR	1
Hexane	11.4	ug/m3	0.235	0.748	1	TO-15		12/15/2022	CJR	1
2-Hexanone	2.21	ug/m3	0.222	0.707	1	TO-15		12/15/2022	CJR	1
Isopropyl Alcohol	8.8	ug/m3	0.109	0.347	1	TO-15		12/15/2022	CJR	1
Methyl ethyl ketone (MEK)	21.7	ug/m3	0.178	0.567	1	TO-15		12/15/2022	CJR	1
Methyl isobutyl ketone (MIBK)	1.19	ug/m3	0.168	0.536	1	TO-15		12/15/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		12/15/2022	CJR	1
Methylene chloride	21.6	ug/m3	0.159	0.506	1	TO-15		12/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817E
Sample ID EP-5
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.57 "J"	ug/m3	0.675	2.15	1	TO-15		12/15/2022	CJR	1
Propene	5.6	ug/m3	0.079	0.251	1	TO-15		12/15/2022	CJR	1
Styrene	6.1	ug/m3	0.181	0.577	1	TO-15		12/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		12/15/2022	CJR	1
Tetrachloroethene	< 0.278	ug/m3	0.278	0.884	1	TO-15		12/15/2022	CJR	1
Tetrahydrofuran	2.06	ug/m3	0.131	0.417	1	TO-15		12/15/2022	CJR	1
Toluene	3.6	ug/m3	0.184	0.585	1	TO-15		12/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		12/15/2022	CJR	1
1,1,1-Trichloroethane	1.2	ug/m3	0.249	0.793	1	TO-15		12/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		12/15/2022	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		12/15/2022	CJR	1
Trichlorofluoromethane	1.52	ug/m3	0.337	1.07	1	TO-15		12/15/2022	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		12/15/2022	CJR	1
1,2,4-Trimethylbenzene	4.1	ug/m3	0.283	0.899	1	TO-15		12/15/2022	CJR	1
1,3,5-Trimethylbenzene	1.42	ug/m3	0.232	0.739	1	TO-15		12/15/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		12/15/2022	CJR	1
m&p-Xylene	9.3	ug/m3	0.377	1.2	1	TO-15		12/15/2022	CJR	1
o-Xylene	6.0	ug/m3	0.218	0.695	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817F
Sample ID EP-6
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	51	ug/m3	0.299	0.95	1	TO-15		12/15/2022	CJR	1
Benzene	0.80	ug/m3	0.136	0.433	1	TO-15		12/15/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		12/15/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		12/15/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		12/15/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		12/15/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		12/15/2022	CJR	1
Carbon Disulfide	3.7	ug/m3	0.138	0.44	1	TO-15		12/15/2022	CJR	1
Carbon Tetrachloride	1.45	ug/m3	0.307	0.978	1	TO-15		12/15/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		12/15/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		12/15/2022	CJR	1
Chloroform	0.73 "J"	ug/m3	0.3	0.953	1	TO-15		12/15/2022	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		12/15/2022	CJR	1
Cyclohexane	1.14	ug/m3	0.212	0.674	1	TO-15		12/15/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		12/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		12/15/2022	CJR	1
Dichlorodifluoromethane	2.92	ug/m3	0.263	0.836	1	TO-15		12/15/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		12/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		12/15/2022	CJR	1
trans-1,2-Dichloroethene	0.59 "J"	ug/m3	0.231	0.734	1	TO-15		12/15/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		12/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		12/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		12/15/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		12/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		12/15/2022	CJR	1
Ethanol	56	ug/m3	0.152	0.482	1	TO-15		12/15/2022	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		12/15/2022	CJR	1
Ethylbenzene	1.3	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
4-Ethyltoluene	0.44 "J"	ug/m3	0.214	0.681	1	TO-15		12/15/2022	CJR	1
Heptane	0.65 "J"	ug/m3	0.265	0.845	1	TO-15		12/15/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		12/15/2022	CJR	1
Hexane	2.68	ug/m3	0.235	0.748	1	TO-15		12/15/2022	CJR	1
2-Hexanone	1.92	ug/m3	0.222	0.707	1	TO-15		12/15/2022	CJR	1
Isopropyl Alcohol	14	ug/m3	0.109	0.347	1	TO-15		12/15/2022	CJR	1
Methyl ethyl ketone (MEK)	17.7	ug/m3	0.178	0.567	1	TO-15		12/15/2022	CJR	1
Methyl isobutyl ketone (MIBK)	0.86	ug/m3	0.168	0.536	1	TO-15		12/15/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		12/15/2022	CJR	1
Methylene chloride	18.7	ug/m3	0.159	0.506	1	TO-15		12/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817F
Sample ID EP-6
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	0.99 "J"	ug/m3	0.675	2.15	1	TO-15		12/15/2022	CJR	1
Propene	4.6	ug/m3	0.079	0.251	1	TO-15		12/15/2022	CJR	1
Styrene	4.0	ug/m3	0.181	0.577	1	TO-15		12/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		12/15/2022	CJR	1
Tetrachloroethene	< 0.278	ug/m3	0.278	0.884	1	TO-15		12/15/2022	CJR	1
Tetrahydrofuran	2.39	ug/m3	0.131	0.417	1	TO-15		12/15/2022	CJR	1
Toluene	3.13	ug/m3	0.184	0.585	1	TO-15		12/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		12/15/2022	CJR	1
1,1,1-Trichloroethane	0.43 "J"	ug/m3	0.249	0.793	1	TO-15		12/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		12/15/2022	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		12/15/2022	CJR	1
Trichlorofluoromethane	1.46	ug/m3	0.337	1.07	1	TO-15		12/15/2022	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		12/15/2022	CJR	1
1,2,4-Trimethylbenzene	2.35	ug/m3	0.283	0.899	1	TO-15		12/15/2022	CJR	1
1,3,5-Trimethylbenzene	0.83	ug/m3	0.232	0.739	1	TO-15		12/15/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		12/15/2022	CJR	1
m&p-Xylene	6.9	ug/m3	0.377	1.2	1	TO-15		12/15/2022	CJR	1
o-Xylene	3.9	ug/m3	0.218	0.695	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817G
Sample ID EP-7
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	54	ug/m3	0.299	0.95	1	TO-15		12/15/2022	CJR	1
Benzene	0.89	ug/m3	0.136	0.433	1	TO-15		12/15/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		12/15/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		12/15/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		12/15/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		12/15/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		12/15/2022	CJR	1
Carbon Disulfide	4.1	ug/m3	0.138	0.44	1	TO-15		12/15/2022	CJR	1
Carbon Tetrachloride	2.96	ug/m3	0.307	0.978	1	TO-15		12/15/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		12/15/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		12/15/2022	CJR	1
Chloroform	1.56	ug/m3	0.3	0.953	1	TO-15		12/15/2022	CJR	1
Chloromethane	1.69 "J"	ug/m3	0.831	2.64	1	TO-15		12/15/2022	CJR	1
Cyclohexane	0.72	ug/m3	0.212	0.674	1	TO-15		12/15/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		12/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		12/15/2022	CJR	1
Dichlorodifluoromethane	3.4	ug/m3	0.263	0.836	1	TO-15		12/15/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		12/15/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		12/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		12/15/2022	CJR	1
trans-1,2-Dichloroethene	0.59 "J"	ug/m3	0.231	0.734	1	TO-15		12/15/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		12/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		12/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		12/15/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		12/15/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		12/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		12/15/2022	CJR	1
Ethanol	68	ug/m3	0.152	0.482	1	TO-15		12/15/2022	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		12/15/2022	CJR	1
Ethylbenzene	1.43	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
4-Ethyltoluene	0.69	ug/m3	0.214	0.681	1	TO-15		12/15/2022	CJR	1
Heptane	0.65 "J"	ug/m3	0.265	0.845	1	TO-15		12/15/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		12/15/2022	CJR	1
Hexane	2.26	ug/m3	0.235	0.748	1	TO-15		12/15/2022	CJR	1
2-Hexanone	1.47	ug/m3	0.222	0.707	1	TO-15		12/15/2022	CJR	1
Isopropyl Alcohol	10	ug/m3	0.109	0.347	1	TO-15		12/15/2022	CJR	1
Methyl ethyl ketone (MEK)	19.2	ug/m3	0.178	0.567	1	TO-15		12/15/2022	CJR	1
Methyl isobutyl ketone (MIBK)	0.90	ug/m3	0.168	0.536	1	TO-15		12/15/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		12/15/2022	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		12/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		12/15/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41817
Project # 40443D

Lab Code 5041817G
Sample ID EP-7
Sample Matrix Air
Sample Date 12/13/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.73 "J"	ug/m3	0.675	2.15	1	TO-15		12/15/2022	CJR	1
Propene	7.0	ug/m3	0.079	0.251	1	TO-15		12/15/2022	CJR	1
Styrene	4.3	ug/m3	0.181	0.577	1	TO-15		12/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		12/15/2022	CJR	1
Tetrachloroethene	0.54 "J"	ug/m3	0.278	0.884	1	TO-15		12/15/2022	CJR	1
Tetrahydrofuran	3.12	ug/m3	0.131	0.417	1	TO-15		12/15/2022	CJR	1
Toluene	2.86	ug/m3	0.184	0.585	1	TO-15		12/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		12/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		12/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		12/15/2022	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		12/15/2022	CJR	1
Trichlorofluoromethane	1.57	ug/m3	0.337	1.07	1	TO-15		12/15/2022	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		12/15/2022	CJR	1
1,2,4-Trimethylbenzene	3.9	ug/m3	0.283	0.899	1	TO-15		12/15/2022	CJR	1
1,3,5-Trimethylbenzene	1.32	ug/m3	0.232	0.739	1	TO-15		12/15/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		12/15/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		12/15/2022	CJR	1
m&p-Xylene	7.4	ug/m3	0.377	1.2	1	TO-15		12/15/2022	CJR	1
o-Xylene	4.9	ug/m3	0.218	0.695	1	TO-15		12/15/2022	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF STODY RECORD

Synergy Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # 42313

Page ____ of ____

Sample Handling Request

____Rush Analysis Date Required: _____
(Rushes accepted only with prior authorization)

____Normal Turn Around

Lab I.D. #	
QUOTE # :	
Project #:	40443A
Sampler: (signature)	
Project (Name / Location):	CWC West Bldg

Reports To:	Robert Reineke	Invoice To:	SAME
Company	K Singh + Associates	Company	
Address	3636 N 124th St	Address	
City State Zip	Wauwatosa WI 53222	City State Zip	
Phone	262 821 1171	Phone	
Email	rreineke@ksinghengineering.com	Email	

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5041817 A	EP-1	12/13	12:15	N	1	Air	NA
B	EP-2	"	12:30	N	1	Air	NA
C	EP-3	"	12:46	N	1	Air	NA
D	EP-4	"	105	N	1	Air	NA
E	EP-5	"	1:25	N	1	Air	NA
F	EP-6	"	1:40	N	1	Air	NA
G	EP-7	"	1:55	N	1	Air	NA

Analysis Requested / **Other Analysis**

DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	PID/ FID
													✓		
													✓		
													✓		
													✓		
													✓		
													✓		
													✓		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: _____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ___ No

	Time	Date		Time	Date
Relinquished By: (sign)	3:45	12/13/12	Received By: (sign)	1250	12-14
Received in Laboratory By:	Time: 7:30		Date: 12/15/12		