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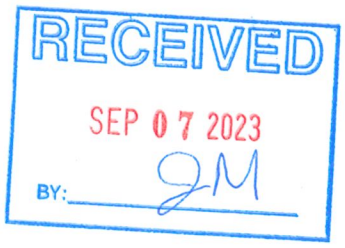
LETTER OF TRANSMITTAL

DATE : September 5, 2023



TO : Ms. Jennifer Meyer
Wisconsin Department of Natural Resources
Southeast Region – Milwaukee Service Center
1027 West St. Paul Avenue
Milwaukee, WI 53233

FROM : Pratap Singh/ Principal Engineer

SUBJECT : Technical Review Fee for CWC -West Block
3212 W. Center St, 2727 N32nd St, 2758 N33rd St., Milwaukee
BRRTS # 02-41-587376

COPY TO : Shane LaFave/CWC, Project #40443A

We are:

☒ Attaching ☒ Submitting As Requested

Copies	Date	Description
1	8/23/2023	Commissioning report for Buildings 4 and 5 sent electronically
1	7/10/2023	Commissioning Report for Buildings 6, 7,8A and 8B
	9/5/2023	Review Fee of $700

Transmitted For Your:

☐ Information/Records ☐ Review ☒ Approval
☐ Action ☐ Revision/Resubmittal ☐ Distribution

Remarks:

As indicated today, a review fee is attached.
Should you have any questions regarding this submittal or require any additional information, please feel free to contact me via email at rreineke@ksinghengineering.com or telephone at (262) 821-1171, ext. 111.

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August 23, 2023

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

Project # 40443A

Subject: **Second Round of Commissioning for Community Within the Corridor – West Block – Buildings 4 and 5**
3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210
BRRTS #: 02-41-587376, FID #: 341333190

Dear Ms. Meyer:

On behalf of the Community Within the Corridor Limited Partnership, K. Singh & Associates, Inc. (KSingh) is pleased to submit the results of second round of Commissioning of the Vapor Mitigation System for Buildings 4 and 5 for the Community Within the Corridor – West Block project. The first round of Commissioning for Buildings 4 and 5 was performed in January / February 2023.

Commissioning was performed in accordance with the Commissioning Plan that was approved by WDNR on May 23, 2022. This was intended to be performed concurrent with the Fifth Round of Commissioning of Buildings 6, 7, 8A and 8B but it was discovered that the exhaust vents on Building 5 were too close to air intakes and dryer vents for the laundromat in Building 5 that were installed after Commissioning Round 1 and prior to Commissioning Round 2. Commissioning Round 2 was delayed while the exhaust vents were relocated atop Building 5. The relocated exhaust vents are shown in Attachment A.

Sub-slab Depressurization System Vacuum Measurements

The sub-slab depressurization system installed in Buildings 4 and 5 was tested on 07/19/2023 and 07/20/2023. 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, which are identified as SVP-17 to SVP-33, were chosen to take measurements to get an accurate model of sub-slab depressurization from each suction point.

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 -0.008 to -0.506 inches of water, all of which are greater than the required vacuum.

The locations and results of July 2023 sub-slab depressurization measurements are depicted in Figure 1 and summarized in Table 1. The greatest vacuum measurement was observed in the southeastern portion of building 5. The vapor pins near 32nd street (SVP – 23 and SVP – 26) demonstrated the least vacuum readings. All the readings were significantly higher than the readings from the 1st Round of

Commissioning. Based on the buildings extents and the measured vacuum readings, the sub-slab depressurization system has met its depressurization requirements to date.

Sub-slab TCE Measurements

The vapor pins installed for the measurement of vacuum were utilized to obtain sub-slab soil vapor samples from the seventeen locations shown on Figure 1. The air samples were analyzed using a portable Gas Chromatograph (GC) System provided by Hartman Environmental Geoscience. The results of the GC analysis are shown alongside the vacuum measurements in Table 1. The greatest TCE reading at 64.8 ug/m^3 was observed at SVP – 28 located in the southwest corner of Building 4. All the readings were less than the Vapor Risk Screening Level (VRSL) of 70 µg/m^3.

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 10 passive air samplers were set up and sampled over a 1-week period from July 19, 2023, until July 27, 2023. The locations of the passive air samplers are included in Attachment C. A passive sampler was also placed at the children's breathing zone in the Play Area. Two additional passive air samplers (IA-6-BS and IA-8-1D) from the basement of Building 6 and the Stairwell in Building 8A, that were not located during the Fifth Round of Commissioning were also set up and the results are included in the analyses.

On July 27, 2023, 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 D and summarized in Table 2.

No samples reported any exceedances of chlorinated solvents based on the most recent guidelines published by WDNR in August 2023.

Indoor Air Gas Chromatograph Sampling

Indoor Air samples were collected similar to the exhaust samples and analyzed using the portable GC. The values were then compared to the VALs of 2.1 µg/m^3. The locations of the samples are shown in Attachment C (eg. GC-5-01A) and the results of the sampling are documented in Table 3. No samples exceeded the TCE detection limit of 0.6 ug/m^3. and thus meet the VAL criteria.

Exhaust Sampling

Eleven Radonaway RP 265 fans were installed on the roof of buildings 4 and 5 as part of the vapor mitigation system. As part of commissioning, glass syringes were utilized to gather air quality samples from exhaust of the roof fans on July 25, 2023, and analyzed using the portable GC.

The results of the July 2023 exhaust fan air quality sampling are summarized in Table 4 and the locations of sampled fans are included in Figure 1. Results from the GC document concentrations of TCE in exhaust samples greater than their respective Vapor Action Levels (VAL). Based on the concentrations of TCE in the exhaust, it is concluded that TCE is being removed from the soil at a minimal rate.

Conclusions and Recommendations

The following conclusions were reached based on the commissioning:

- 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 4 and 5.
- The sub-slab TCE results demonstrate compliance with the VRSL levels.
- Passive indoor air results show that there are no Residential Indoor Air VALs exceeded in buildings 4 and 5.
- Exhaust Fan emission sampling indicates that TCE is still present in the sub-slab and that minimal mass reduction is taking place.
- The indoor air samples, collected via passive samplers and syringe sampling, contain no detections of TCE in all the areas throughout Buildings 4 and 5.
- Based on the results from the second round of commissioning, the system is operating as intended.

We have the following recommendations:

- We recommend that the third round of commissioning be scheduled for September 2023.
- Regular inspection and maintenance of the exhaust system is recommended.

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

Sincerely,

K. SINGH & ASSOCIATES, INC.

Sameer Neve, Ph.D. ENV SP
Staff Environmental Engineer

Robert T. Reineke, P.E
Project Manager

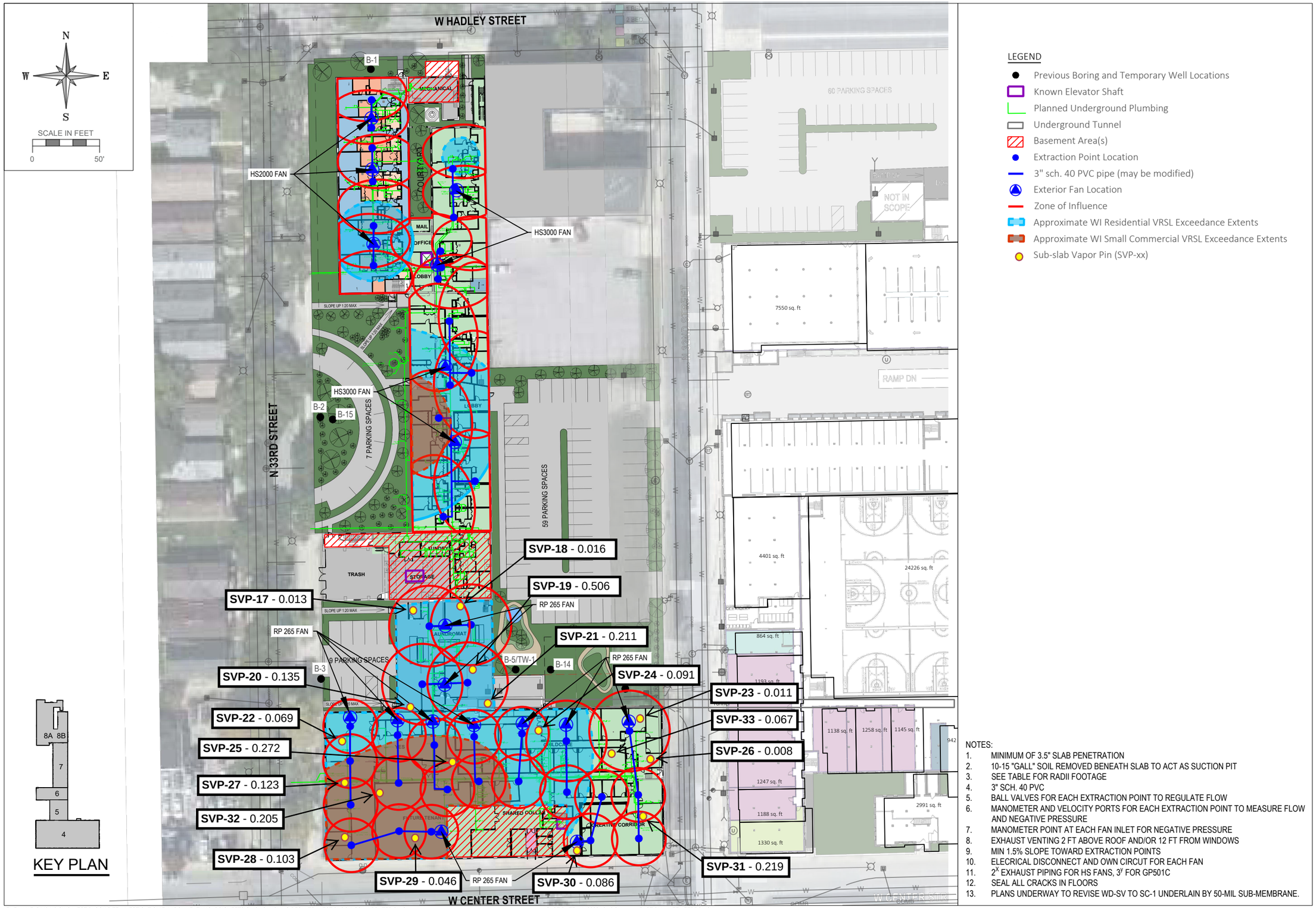
Pratap N. Singh, Ph.D., P.E.
Principal Engineer

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

Attachments:

Figure 1	Repositioned Exhaust Fan Outlets
Figure 2	Sub-Slab Depressurization Locations and Results
Figure 3	Exhaust Fan Locations
Table 1	Vacuum Measurement and Sub-slab TCE Results
Table 2	Passive Air Sampling Results
Table 3	Indoor Air Sampling Results
Table 4	Exhaust Fan Sampling Results
Attachment A	Building 5 Exhaust Vents Relocation Figure
Attachment B	Pictures
Attachment C	Passive Air and Indoor Air Sampling Locations
Attachment D	Passive Air Sampling Test Results

FIGURES



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

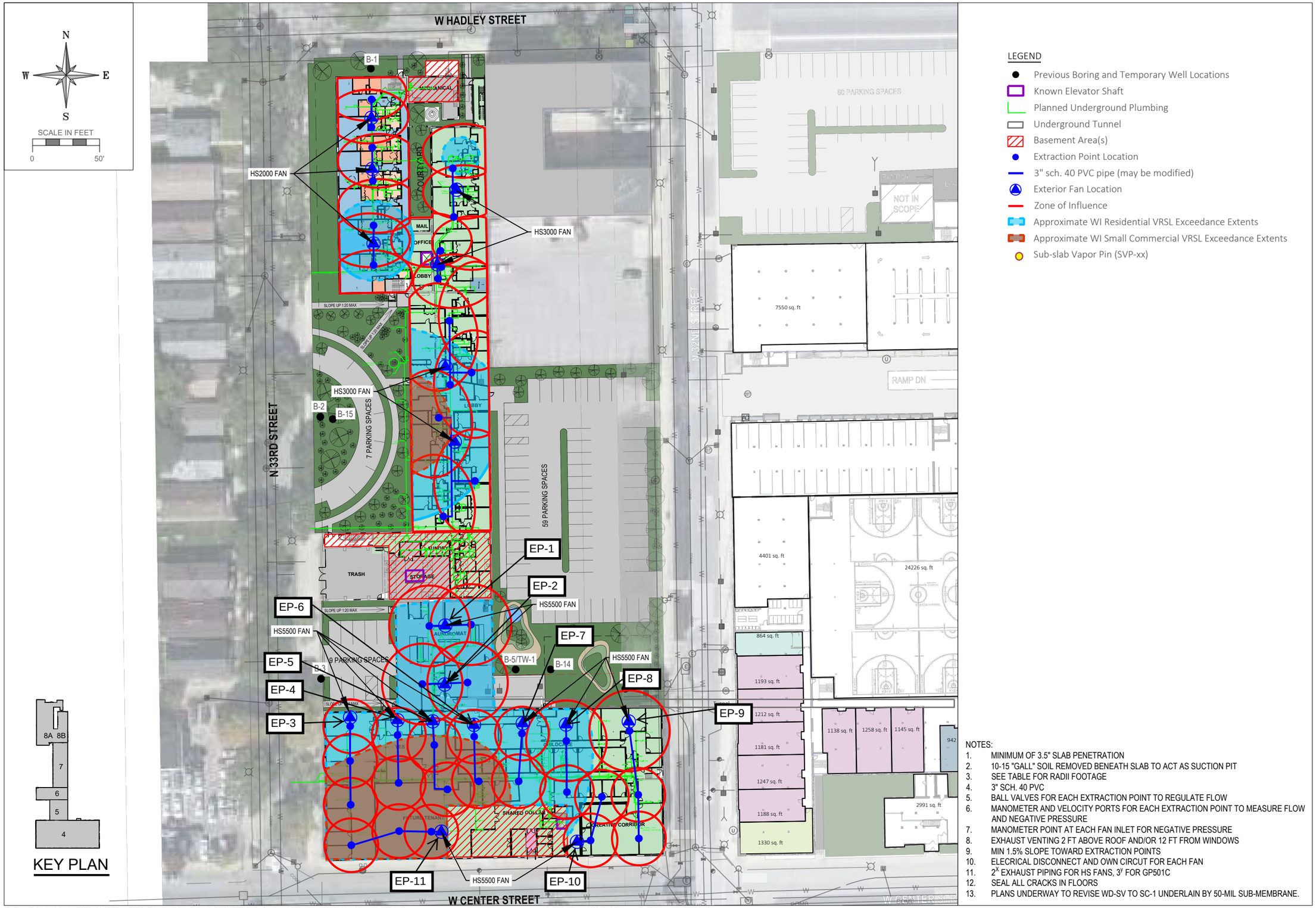
DRAWN BY	DATE
JPB	06/02/2022
CHECKED BY	DATE
RTR	06/02/2022

SHEET TITLE
Sub-slab Depressurization Location and Results (in inches H_2O)

FIGURE 1

SHEET 6 of SHEET 6

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK_SSV_UPDATED.DWG PLOT DATE :4/1/2022 12:16 PM PLOT BY :AILEEN ZEBROWSKI



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
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SHEET TITLE
Exhaust Fan Locations

FIGURE 2

SHEET 6 of SHEET 6

TABLES

Table 1

Vacuum Measurement and Sub-Slab TCE Results

Sample Location	Date	Reading (inches H_2O)	Sub-Slab TCE Readings ($\mu g/m^3$)
SVP-17	7/20/2023	-0.013	0
SVP-18	7/20/2023	-0.016	11.2
SVP-19	7/19/2023	-0.506	0
SVP-20	7/19/2023	-0.135	0
SVP-21	7/19/2023	-0.211	1.04
SVP-22	7/19/2023	-0.069	8.49
SVP-23	7/19/2023	-0.011	0
SVP-24	7/19/2023	-0.091	0
SVP-25	7/19/2023	-0.272	2.22
SVP-26	7/19/2023	-0.008	0
SVP-27	7/19/2023	-0.123	8.79
SVP-28	7/19/2023	-0.103	64.8
SVP-29	7/19/2023	-0.046	11
SVP-30	7/19/2023	-0.086	0
SVP-31	7/19/2023	-0.219	0
SVP-32	7/19/2023	-0.205	11
SVP-33	7/19/2023	-0.067	0

*Readings were compared to a threshold value of 0.004 inches H_2O and VRSL levels of 70 $\mu g/m^3$

TABLE 4

Passive Air Sampling Results

Community Within the Corridor - West Block - Buildings 4 and 5

Sample ID	Units	Residential Indoor Air VAL*	IA-4-1A	IA-4-1B	IA-4-1C	IA-4-1D	IA-4-1E	IA-4-1F	IA-4-BS	IA-5-1A	IA-5-1B	OA-4/5	IA-6-Basement	IA-8-1D
Date	---	---	7/28/2023	7/28/2023	7/28/2023	7/28/2023	7/28/2023	7/28/2023	7/28/2023	7/28/2023	7/28/2023	7/28/2023	7/28/2023	7/28/2023
Trichloroethene	µg/m^3	2.1	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Tetrachloroethene	µg/m^3	42	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	0.17	0.23	0.30	<0.13	<0.13
cis-1,2-Dichloroethene	µg/m^3	42	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
trans-1,2-Dichloroethene	µg/m^3	42	0.58	<0.26	0.62	0.48	0.53	0.57	0.35	0.43	0.66	0.47	0.23	0.51

*Based on WDNR Quick Look-Up Table dated May 2023

Table 3

Indoor Air Sampling Results

ID	Unit	Date	Time	PCE (µg/m^3)	TCE (µg/m^3)
GC-4-01A	423	20-Jul	15:36	< 0.6	< 0.6
GC-4-01B	419	20-Jul	14:45	< 0.6	< 0.6
GC-4-01C	410	20-Jul	14:18	< 0.6	< 0.6
GC-4-01D	406	20-Jul	14:01	< 0.6	< 0.6
GC-4-01E	408	20-Jul	14:09	< 0.6	< 0.6
GC-4-01F	413	20-Jul	14:26	< 0.6	< 0.6
GC-4-01G	415	20-Jul	14:54	< 0.6	< 0.6
GC-4-01H	416	20-Jul	15:02	< 0.6	< 0.6
GC-4-01I	418	20-Jul	15:11	< 0.6	< 0.6
GC-4-01J	313	20-Jul	16:14	< 0.6	< 0.6
GC-4-01K	314	20-Jul	16:23	< 0.6	< 0.6
GC-4-01L	109	20-Jul	17:20	< 0.6	< 0.6
GC-4-01M	10	20-Jul	16:04	< 0.6	< 0.6
GC-4-01N	9	20-Jul	15:57	< 0.6	< 0.6
GC-4-01O	oppo 318	20-Jul	16:35	< 0.6	< 0.6
GC-5-01A	432	20-Jul	15:45	< 0.6	< 0.6
GC-5-01B	open area	20-Jul	17:03	< 0.6	< 0.6
GC-5-01C	504	20-Jul	16:52	< 0.6	< 0.6
GC-5-01D	ent	20-Jul	17:10	< 0.6	< 0.6
Reporting Limit (µg/m^3)				< 0.6	< 0.6

Table 4

Exhaust Fan Sampling Results

Exhaust Fan	Effluent TCE Concentration	Flow Rate	TCE Removal Rate	TCE Removal Rate
	($\mu g/m^3$)	(cfm)	(lbs/day)	(lbs/year)
EP - 1	3.93	91.02	0.00003	0.0117
EP -2	3.88	82.47	0.00003	0.0105
EP - 3	2.44	45.41	0.00001	0.0036
EP - 4	10.3	20.27	0.00002	0.0069
EP - 5	3.36	56.06	0.00002	0.0062
EP - 6	0.49	58.95	0.00000	0.0009
EP - 7	4.17	20.32	0.00001	0.0028
EP - 8	2.02	55.08	0.00001	0.0037
EP - 9	0.34	14.48	0.00000	0.0002
EP - 10	4.05	19.34	0.00001	0.0026
EP - 11	3.05	84.09	0.00002	0.0084
		Total	0.00016	0.05743

ATTACHMENTS

ATTACHMENT A

Building 5 Exhaust Vents Relocation Figure

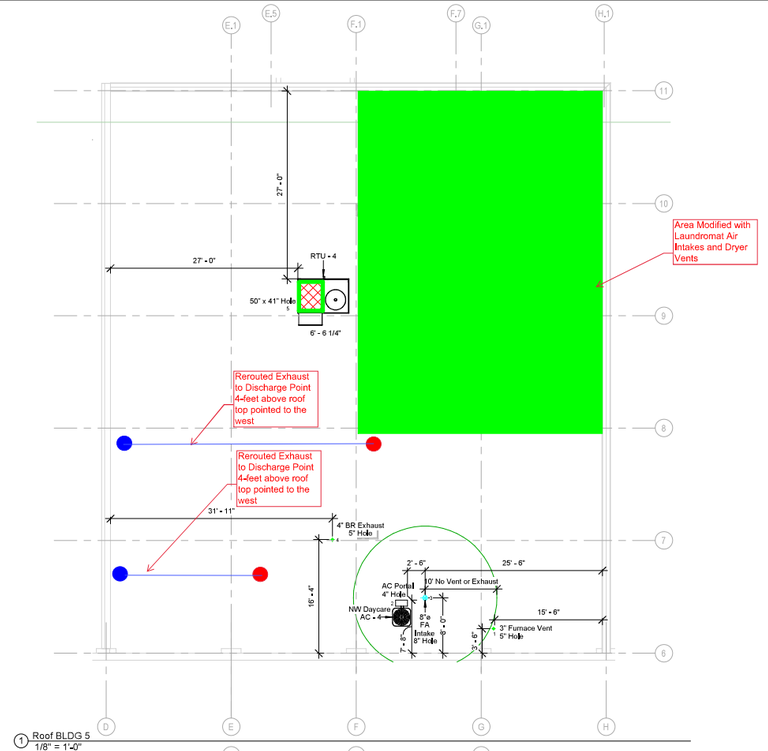
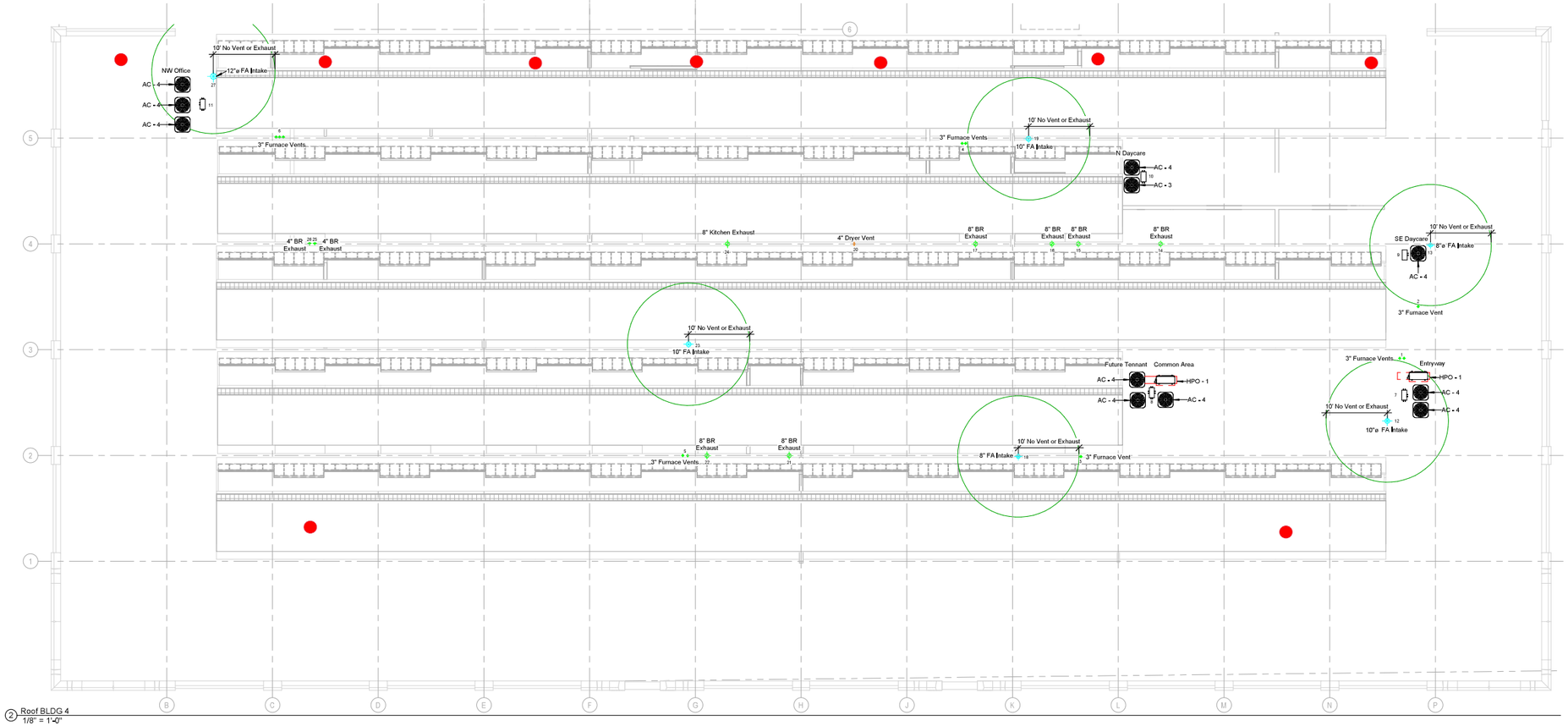


Photo taken July 17, 2023 showing Building 5 Venting Modifications



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2840 N. Brookfield Rd.
Brookfield, WI 53045
262-786-4450
QUALITYHEATING.com

Project:

Community Within The Cooridor - West Block
2758 N. 33rd St
Milwaukee, WI 53210

SHEET NAME:
Roof BLDG 4 & 5

DRAWN BY:
DA / JC

DATE:
5/11/2021
2:21:25 PM

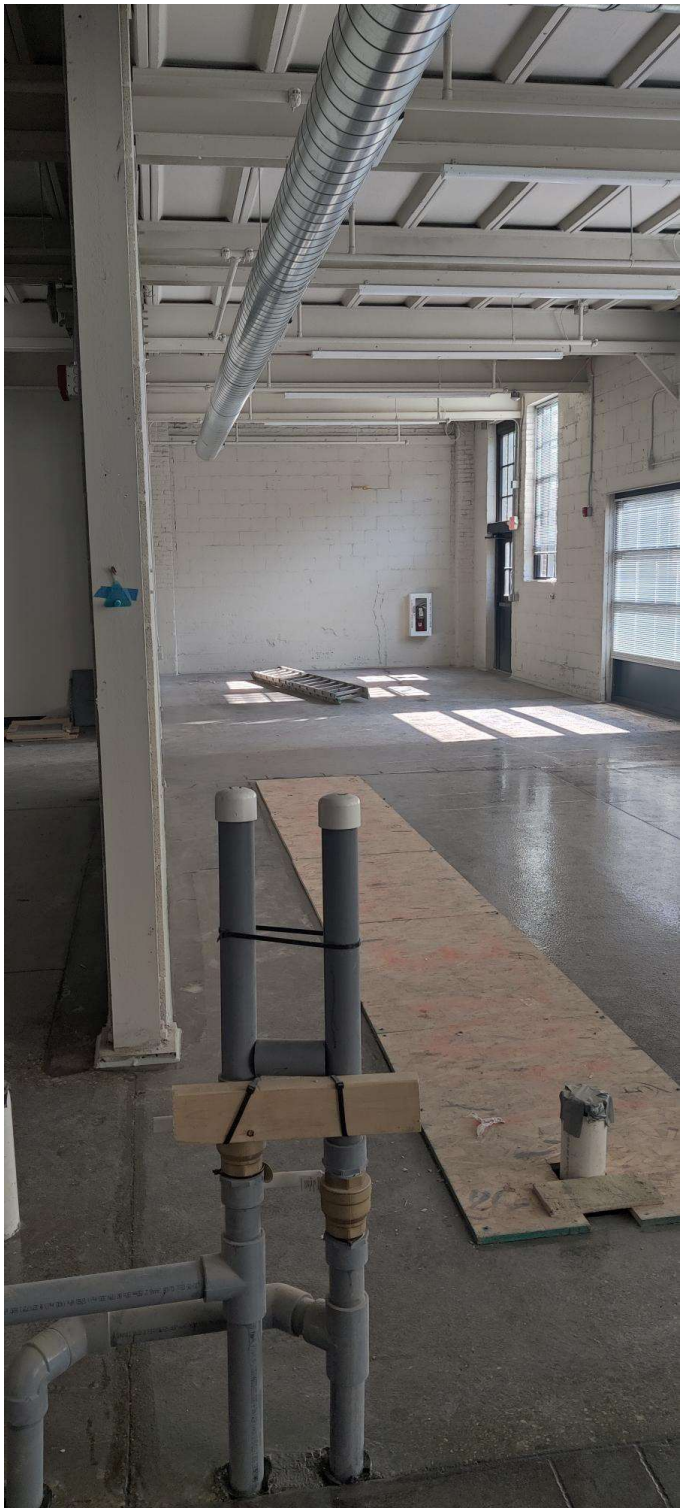
SCALE:
1/8" = 1'-0"

M-401

ATTACHMENT B

Pictures

Picture1 – Location of the Passive sampler at children's level in Play area



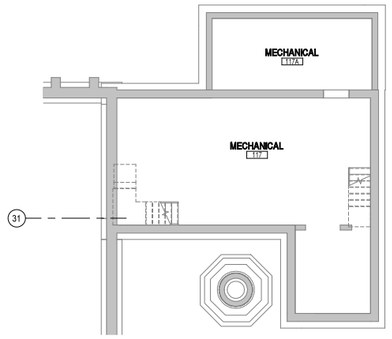
Picture 2 – Passive Sampler Location in Building 5

Picture 3 – Exhaust Fan Outlets on Building 4

Picture 4 – Exhaust Fan Outlets on Building 4

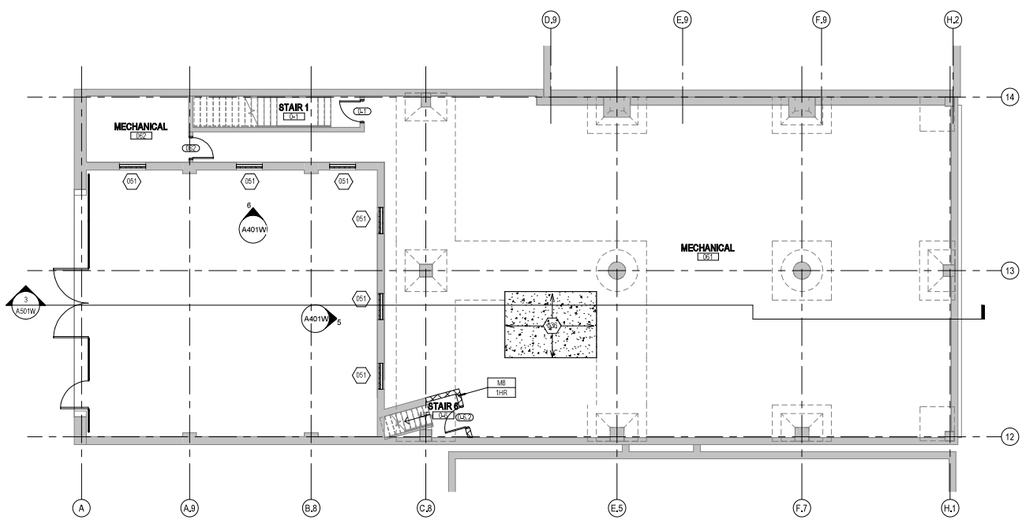
ATTACHMENT C

Passive Air and Indoor Air Sampling Locations



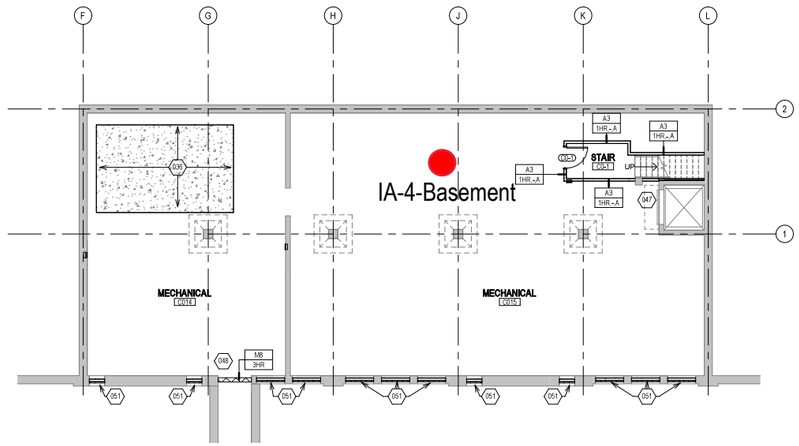
3 NEW WORK PLAN - BASEMENT - BUILDING 8A

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



2 NEW WORK PLAN - BASEMENT - BUILDING 6

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



1 NEW WORK PLAN - BASEMENT - BUILDING 4

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

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 IMPARED. 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 2/A710W.
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	BUILD TYPE PLUNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER 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

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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.

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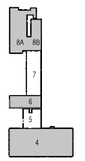
SHEET TITLE: **NEW WORK PLAN - BASEMENT - BUILDINGS 4, 6 & 8A**

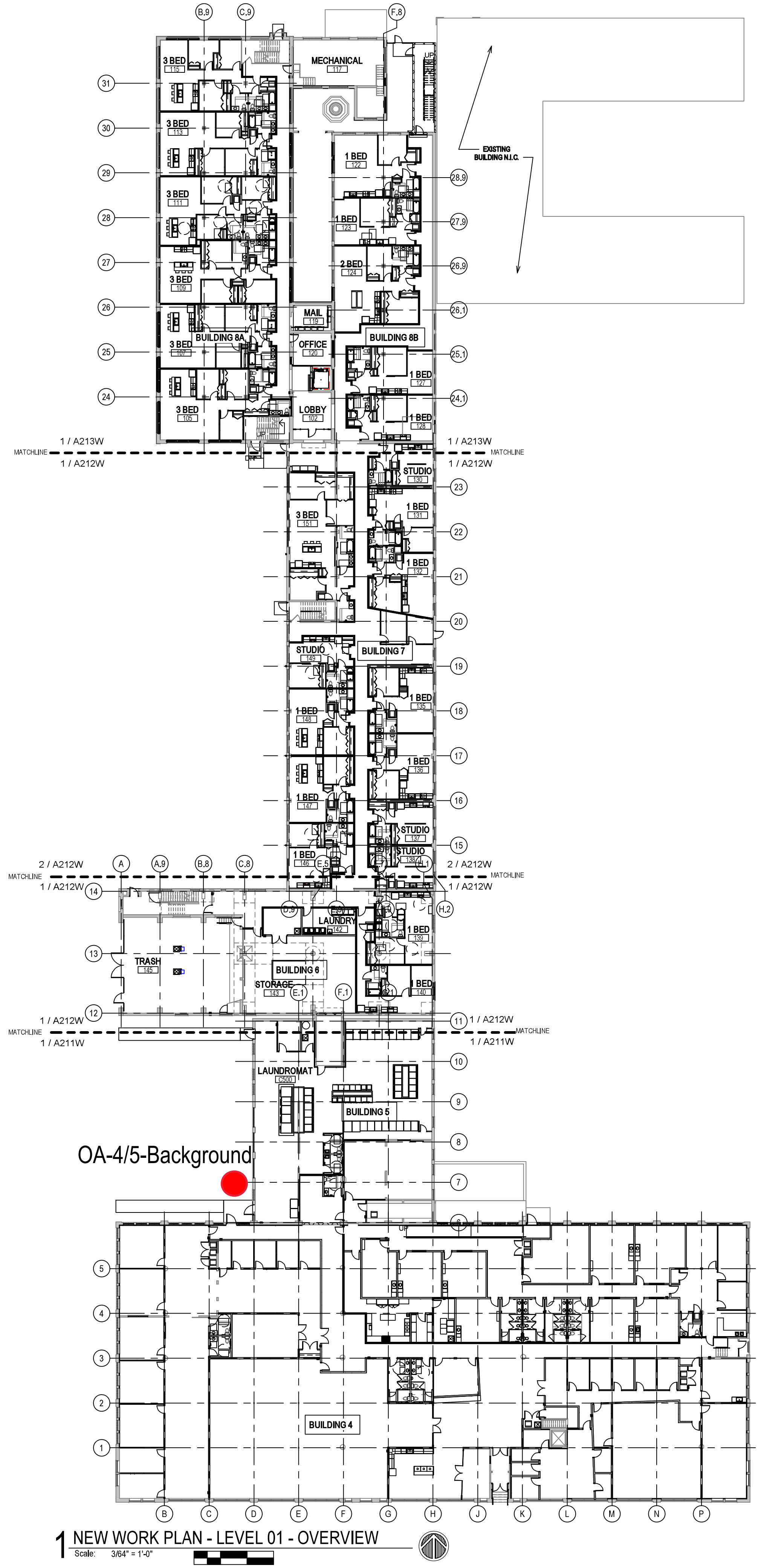
REVISIONS:

1 10/09/20 ADDENDUM #1



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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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 127 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 EMBEDED 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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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 GPYSUM 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 WALL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL 6/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 3'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 EXISITNG 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 P6 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER GYPCRETE 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 BULDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079	PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

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NEW WORK PLAN LEGEND

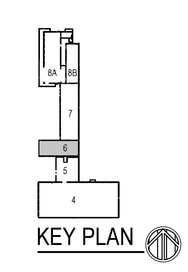
- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 -,A U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P6 1HR,-,A U.N.O.
- X NEW WORK KEY NOTE

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: 46-49 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: 46-49 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: 46-49 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 8X14 TIMBER FLOOR JOIST (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - ASSEMBLY FIRE RATING: 1/2 HOUR - FSTC: 46-49 FIIC: 45-47	



KEY PLAN

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Milwaukee, WI 53202

CONSULTANTS:

COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

2758 N. 33RD STREET
MILWAUKEE, WI 53210

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

REVISIONS:
1 10/09/20 ADDENDUM #1

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 1214 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.

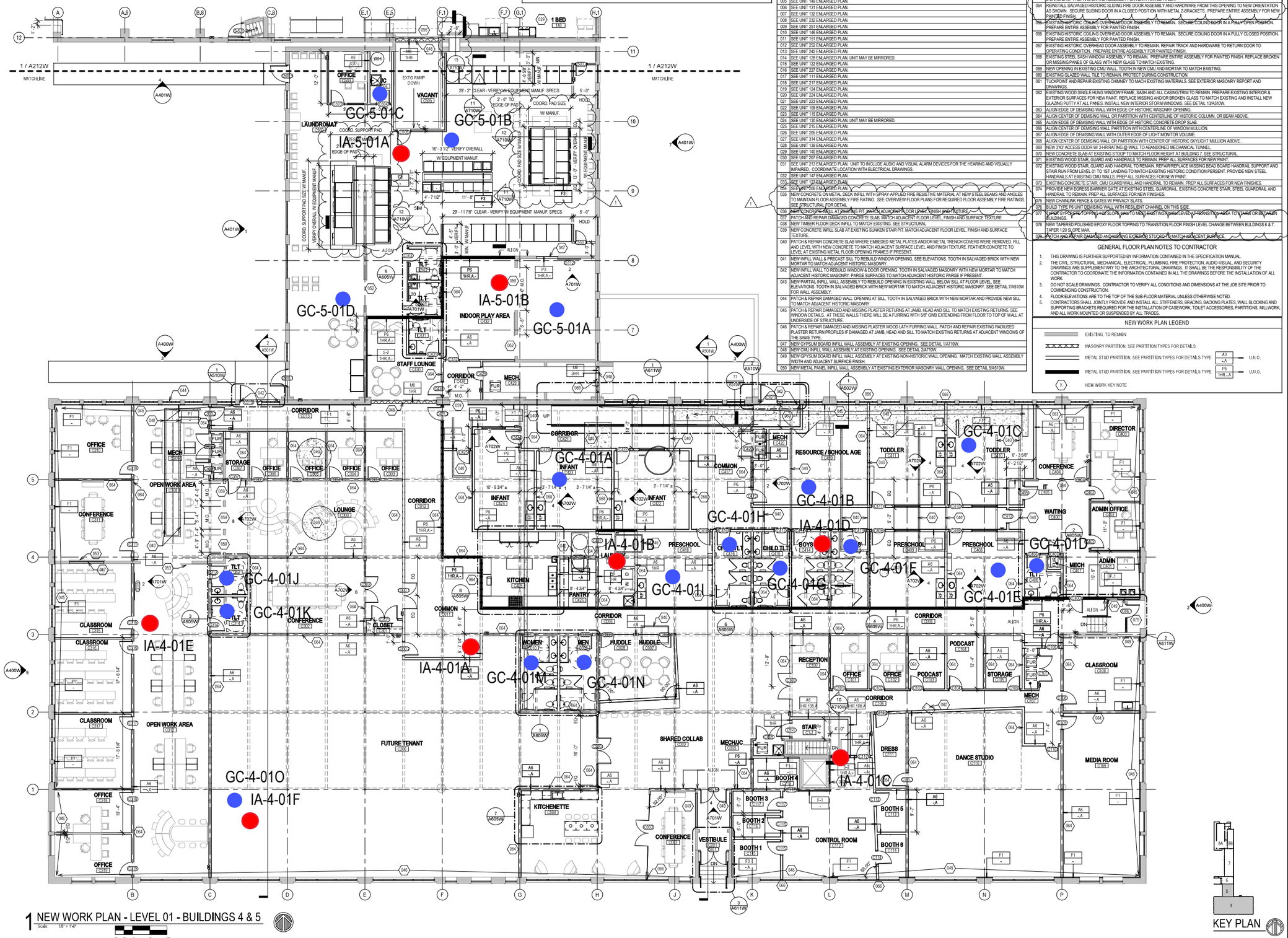
051 NEW METAL PANEL WALL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL 5/A510W.
052 EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053 EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY 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 13A/510W.
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 3'X7' 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 PK UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077 LAYER GYPCRETE TOPPING + SF SLOPE MAT 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 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'

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 - BUILDINGS 4 & 5

REVISIONS:
1 10/09/20 ADDENDUM #1

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

ATTACHMENT D

Passive Air Sampling Test Results

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8/16/2023
Mr. Robert Reineke
K Singh & Associates
3636 N 124th St

Wauwatosa WI 53222

Project Name: CWC - West Block SR
Project #: 40443A
Workorder #: 2308061

Dear Mr. Robert Reineke

The following report includes the data for the above referenced project for sample(s) received on 8/3/2023 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 #: 2308061

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 SR
DATE RECEIVED:	08/03/2023	**CONTACT:**	Jade White
DATE COMPLETED:	08/16/2023		

FRACTION #	NAME	TEST
01A	IA-4-1A	Passive S.E. RAD130/SKC
02A	IA-4-1B	Passive S.E. RAD130/SKC
03A	IA-4-1C	Passive S.E. RAD130/SKC
04A	IA-4-1D	Passive S.E. RAD130/SKC
05A	IA-4-1E	Passive S.E. RAD130/SKC
06A	IA-4-1F	Passive S.E. RAD130/SKC
07A	IA-4-BS	Passive S.E. RAD130/SKC
08A	IA-5-1A	Passive S.E. RAD130/SKC
09A	IA-5-1B	Passive S.E. RAD130/SKC
10A	OA-4/5	Passive S.E. RAD130/SKC
11A	IA-6-BS	Passive S.E. RAD130/SKC
12A	IA-8-1D	Passive S.E. RAD130/SKC
13A	Lab Blank	Passive S.E. RAD130/SKC
14A	CCV	Passive S.E. RAD130/SKC
15A	LCS	Passive S.E. RAD130/SKC
15AA	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY: Heidi Hayes DATE: 08/16/23

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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# 2308061

Twelve Radiello 130 (Solvent) samples were received on August 03, 2023. 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 15814 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-4-1A

Lab ID#: 2308061-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.26	0.45 C	0.58 C

Client Sample ID: IA-4-1B

Lab ID#: 2308061-02A

No Detections Were Found.

Client Sample ID: IA-4-1C

Lab ID#: 2308061-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.26	0.48 C	0.62 C

Client Sample ID: IA-4-1D

Lab ID#: 2308061-04A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.26	0.37 C	0.48 C

Client Sample ID: IA-4-1E

Lab ID#: 2308061-05A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.26	0.41 C	0.53 C

Client Sample ID: IA-4-1F

Lab ID#: 2308061-06A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.26	0.44 C	0.57 C

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

Client Sample ID: IA-4-BS

Lab ID#: 2308061-07A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.26	0.27 C	0.35 C

Client Sample ID: IA-5-1A

Lab ID#: 2308061-08A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.13	0.13	0.17
trans-1,2-Dichloroethene	0.20	0.26	0.33 C	0.43 C

Client Sample ID: IA-5-1B

Lab ID#: 2308061-09A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.13	0.17	0.23
trans-1,2-Dichloroethene	0.20	0.26	0.50 C	0.66 C

Client Sample ID: OA-4/5

Lab ID#: 2308061-10A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.14	0.21	0.30
trans-1,2-Dichloroethene	0.20	0.29	0.33 C	0.47 C

Client Sample ID: IA-6-BS

Lab ID#: 2308061-11A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.21	0.22 C	0.23 C

Client Sample ID: IA-8-1D

Lab ID#: 2308061-12A

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

Client Sample ID: IA-8-1D

Lab ID#: 2308061-12A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.20	0.28	0.36 C	0.51 C

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Client Sample ID: IA-4-1A

Lab ID#: 2308061-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080711sim**	**Date of Collection: 7/28/23 1:20:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 12:21 PM**
		Date of Extraction: 8/7/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.45 C	0.58 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12873 minutes.
Container Type: Radiello 130 (Solvent)

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

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Client Sample ID: IA-4-1B

Lab ID#: 2308061-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080712sim**	**Date of Collection: 7/28/23 1:33:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 12:48 PM**	
		Date of Extraction: 8/7/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12863 minutes.
Container Type: Radiello 130 (Solvent)

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

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Client Sample ID: IA-4-1C

Lab ID#: 2308061-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080713sim**	**Date of Collection: 7/28/23 1:16:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 01:15 PM**	
		Date of Extraction: 8/7/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.48 C	0.62 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12857 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-4-1D

Lab ID#: 2308061-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080714sim**	**Date of Collection: 7/28/23 1:35:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 01:42 PM**	
		Date of Extraction: 8/7/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.37 C	0.48 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12868 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-4-1E

Lab ID#: 2308061-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080715sim**	**Date of Collection: 7/28/23 1:22:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 02:09 PM**
		Date of Extraction: 8/7/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.41 C	0.53 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12892 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-4-1F

Lab ID#: 2308061-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080716sim**	**Date of Collection: 7/28/23 1:18:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 02:37 PM**
		Date of Extraction: 8/7/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.44 C	0.57 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12865 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-4-BS

Lab ID#: 2308061-07A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080717sim**	**Date of Collection: 7/28/23 2:34:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 03:04 PM**
		Date of Extraction: 8/7/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.27 C	0.35 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12905 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-5-1A

Lab ID#: 2308061-08A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080718sim**	**Date of Collection: 7/28/23 1:05:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 03:31 PM**
		Date of Extraction: 8/7/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	0.13	0.17
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.33 C	0.43 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12825 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-5-1B

Lab ID#: 2308061-09A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080719sim**	**Date of Collection: 7/28/23 1:09:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 03:58 PM**	
		Date of Extraction: 8/7/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.11	Not Detected	Not Detected
Tetrachloroethene	0.10	0.13	0.17	0.23
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.26	0.50 C	0.66 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 12834 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: OA-4/5

Lab ID#: 2308061-10A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080720sim**	**Date of Collection: 7/28/23 1:01:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 04:26 PM**
		Date of Extraction: 8/7/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.14	0.21	0.30
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.33 C	0.47 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11655 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-6-BS

Lab ID#: 2308061-11A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080721sim**	**Date of Collection: 7/31/23 10:00:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 04:53 PM**
		Date of Extraction: 8/7/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.092	Not Detected	Not Detected
Tetrachloroethene	0.10	0.11	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.10	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.21	0.22 C	0.23 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 15814 minutes.
Container Type: Radiello 130 (Solvent)

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

eurofins | Air Toxics

Client Sample ID: IA-8-1D

Lab ID#: 2308061-12A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080722sim**	**Date of Collection: 7/28/23 12:58:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 05:20 PM**
		Date of Extraction: 8/7/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	0.36 C	0.51 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11666 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#: 2308061-13A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080705sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 08:59 AM**	
		Date of Extraction: 8/7/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.092	Not Detected	Not Detected
Tetrachloroethene	0.10	0.11	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.10	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.21	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 15814 minutes.
Container Type: Radiello 130 (Solvent)

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

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Client Sample ID: CCV

Lab ID#: 2308061-14A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080702sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 07:39 AM**
		Date of Extraction: NA

Compound	%Recovery
Trichloroethene	106
Tetrachloroethene	104
cis-1,2-Dichloroethene	94
trans-1,2-Dichloroethene	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	107	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2308061-15A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080703sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 08:06 AM**	
		Date of Extraction: 8/7/23	

Compound	%Recovery	Method Limits
Trichloroethene	105	70-130
Tetrachloroethene	97	70-130
cis-1,2-Dichloroethene	90	70-130
trans-1,2-Dichloroethene	96	70-130

Container Type: NA - Not Applicable

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

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2308061-15AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18080704sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/7/23 08:33 AM**	
		Date of Extraction: 8/7/23	

Compound	%Recovery	Method Limits
Trichloroethene	107	70-130
Tetrachloroethene	97	70-130
cis-1,2-Dichloroethene	95	70-130
trans-1,2-Dichloroethene	101	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

KSingh | Engineers Scientists Consultants

July 10, 2023

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

Project # 40443A

Subject: **Fifth 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 fifth 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 30th, 2023, with the exception that Commissioning was not performed in conjunction with Buildings 4 and 5.

Sub-slab Depressurization System Vacuum Measurements

The sub-slab depressurization system installed for Buildings 6, 7, 8A and 8B was tested on June 5-7, 2023. 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 beneath the structure.

In accordance with a vapor mitigation system commissioning plan submitted by KSingh on April 17, 2023, a reading of -0.004 inches water was utilized to determine whether the system was adequately operating. Recorded measurements ranged from 0 to -0.209 inches of water, all except 3 were above the minimum measurement. The three locations where no vacuum was observed were SVP-2, SVP-10A, and SVP-11 which are located in the Hallway of Building 8A within a few feet of outer walls, in the Mail Room of Building 8A, and in the package vestibule of Building 8A within 10 feet of outer walls.

The locations and results of June 2023 sub-slab depressurization measurements are depicted in 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).

To address the issue of the lack of sub-slab depressurization in the Mail Room of Building 8A, an additional vapor extraction point was installed in the elevator lobby of Building 8A and connected to an Obar HA 89 Fan on the roof of Building 8A. This fan became operational on June 29, 2023, and resulted in vacuum in the adjoining areas which is demonstrated in Table 1. The additional fan induced a differential pressure of -0.019 inches of water in the Mail Room of building 8A indicating that adequate

depressurization had been achieved. The package vestibule point SVP-11 and the hallway point SVP-2 were not affected by the additional vapor extraction point, but the lack of depressurization is believed to be related to their location in relation to outer walls and no impact on indoor air quality was observed.

The vapor pins were removed post-measurement and the holes patched with concrete to avoid potential tampering by residents. Photographs of the vapor pins installation, measurement, and abandonment are included in Attachment A.

Discrete Indoor Air Sampling with Portable GC

A total of 45 individual discrete samples of indoor air were collected using a glass syringe from individual units and common areas and analyzed using a Portable Gas Chromatograph (GC). All the samples reported a reading of under 2.1 ug/m^3. The highest concentration of TCE (1.8 ug/m^3) was recorded in the Stairwell of Building 6 while 36 of the 45 samples had a reading of less than 1 ug/m^3. The Elevator lobby in Building 8A had a false positive reading of 5.3 ug/m^3 which resulted in taking multiple reading at several time points leading to values well below the VAL of 2.1 ug/m^3. The results of the Discrete air samples are provided in Table 2.

Based on the false positive Discrete Air Sample collected at the 1st Floor Elevator Lobby of Building 8A, a passive sampler, IA-8A-EL, was added to the Commissioning Passive Air Sampling Program as an added measure. The Passive Air Sample IA-8A-EL demonstrated that TCE in the 1st Floor Elevator Lobby of Building 8A was in compliance with indoor air standards. The QA/QC protocol provided by Hartman Environmental Geosciences and the result of the calibration are included in Attachment D.

Passive Indoor Air Sampling

Following documentation of sub-slab depressurization, passive air sampling was performed in accordance with the approved Commissioning Plan. A total of 16 passive air samplers were set up and sampled over a 1-week period from June 6, 2023, until June 16, 2023. On special instructions from the WDNR, an additional passive sampler was added to Unit 109 (IA-8A-01B). Please note the exception that a sampler couldn't be set up in Unit 107 due to non-compliance with the existing tenant. The passive samplers were placed in compliance with the directions from WDNR:

i. Samplers were placed at a minimum of 6 inches from the walls.
ii. Samplers were placed in areas of adequate air flow.
iii. Samplers were placed near the breathing zone, three to five feet above the ground, ensuring that they were not disturbed.
iv. The locations of the passive air samplers are included in Figure 2A through Figure 2H. The photographs of the location of selective samples are included in Attachment A.

On June 17, 2023, 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 C and summarized in Table 3.

The maximum concentration of TCE detected in indoor air was 0.26 ug/m^3. The maximum concentration of PCE detected was 0.53 ug/m^3. Based on these results, 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.

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 the exhaust sampling, air samples were collected in glass syringes to be analyzed using the portable GC on June 21, 2023.

PCE and TCE concentrations in all exhaust samples are less than the Residential Indoor Air VAL except for EP2 which is in the center of Building 8A. Based on the concentrations of PCE and TCE in the exhaust, some mass reduction is taking place in the sub-slab. The concentrations and trend of PCE and TCE concentrations in the exhaust samples are shown in Figure 3 in Attachment B and demonstrate a declining trend. The amount of TCE exhausted from the exhaust fans can be seen in Table 4. The total TCE exhaust was about 2 lbs/yr.

The results of the June 2023 exhaust fan air quality sampling are summarized in Table 3 and 4 (Attachment B) and the locations of sampled fans are included in Figure 1. Based on the Recommendations by the WDNR, the details of GC Sampling and QA/QC Calibration are attached in Attachment D.

Remedial Actions Taken
On June 6, 2023, at around 5 PM exceedances of the VAL of 2.1 ug/m^3 for TCE were observed in the Elevator Lobby with a reading of 5.4 ug/m^3, but in subsequent readings, it was observed to be under the VAL. In order to ensure that the value remains under the VAL, a new Obar HA 89 Exhaust Fan was installed on the roof of Building 8A next to the Elevator shaft (Figure 4). This fan became operational on June 29, 2023, and resulted in vacuum in the adjoining areas which is demonstrated in Table 1.

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, and modified with an additional vapor extraction point, adequately creates vacuum beneath the building slab for buildings 6, 7, 8A, and 8B except in locations close to outer walls.
- Discrete air samples suggest that all the units and the common areas are in compliance with the VALs of 2.1 ug/m^3.
- Passive indoor air results demonstrate that TCE met their VALs of 2.1 ug/m^3 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.
- Based on the results from the five rounds of commissioning, the sub slab depressurization system is operating as intended.
- No exceedances of VALs have been shown to be present in the last three rounds of commissioning performed from December 2022 to June 2023 covering seasonal variations.

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

Sincerely,
K. SINGH & ASSOCIATES, INC.

Sameer Neve, Ph.D. ENV SP
Staff Environmental Engineer

Robert T. Reineke, PE
Senior Engineer

Pratap N. Singh, Ph.D., PE
Principal Engineer

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

Attachments:

Figure 1	Sub-slab Depressurization Locations
Figure 2A - Figure 2H	Indoor Air Sampling Locations
Figure 3	Exhaust Fan Trends
Figure 4	Additional Extraction Point
Table 1	Vacuum Measurement Results
Table 2	Summary of Portable GC Results
Table 3	Passive Air Sampling Results for
Table 4	Commissioning Exhaust Fan Sampling Results
Attachment A	Photographs of Commissioning in June 2023
Attachment B	Exhaust Fan Trends
Attachment C	Passive Air Sampling Test Results
Attachment D	QA-QC Protocol for Portable GC

FIGURES

N

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

CONSULTANT

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

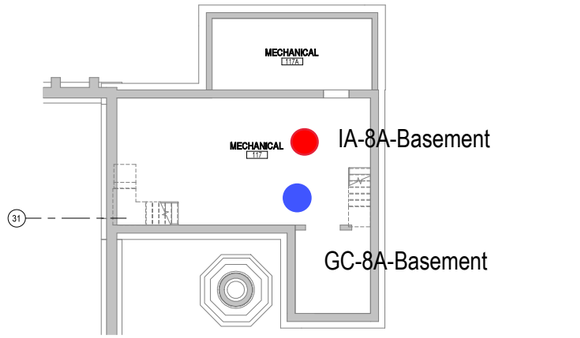
REVISIONS	DATE	DESCRIPTION

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

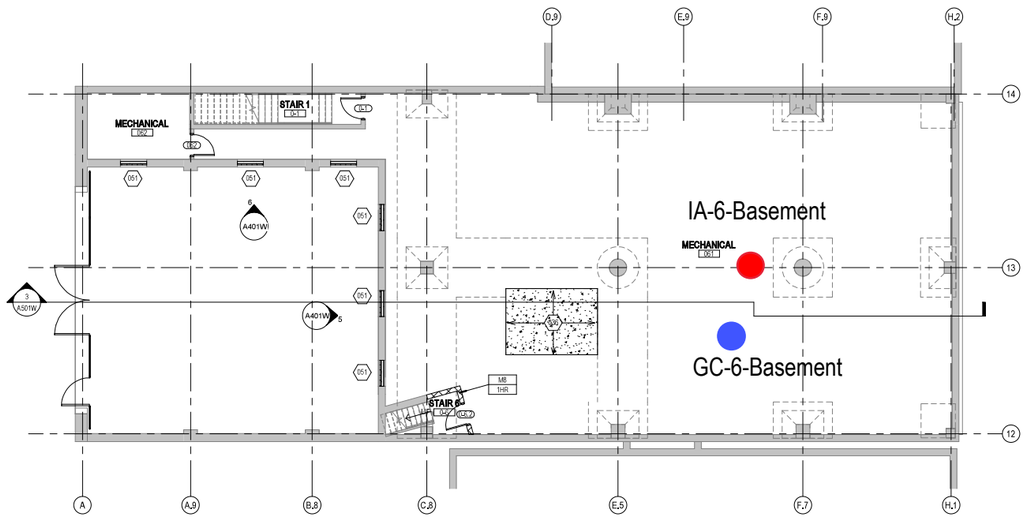
SHEET TITLE
Sub-slab Depressurization Measurement Locations

FIGURE 1

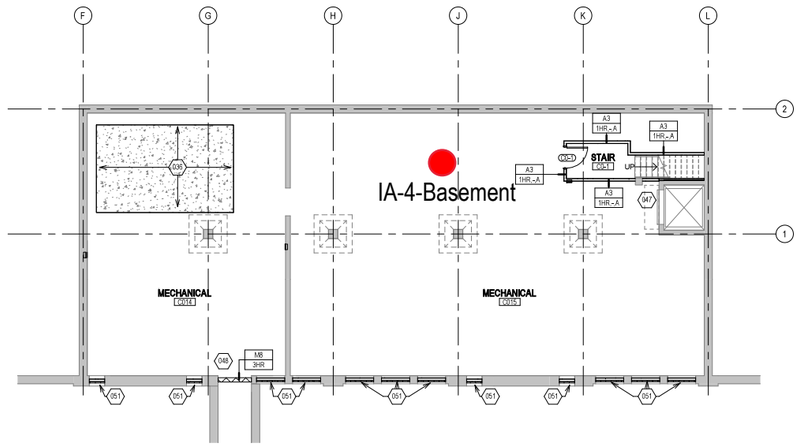
SHEET 6 of SHEET 6



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.

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-B 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 GPYSUM 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 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	BUILD TYPE PLUNT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER CONCRETE TOPPING 1.2% SLOPE MAX TO MEET EXISTING DOOR 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.
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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.

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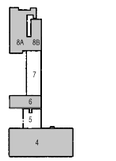
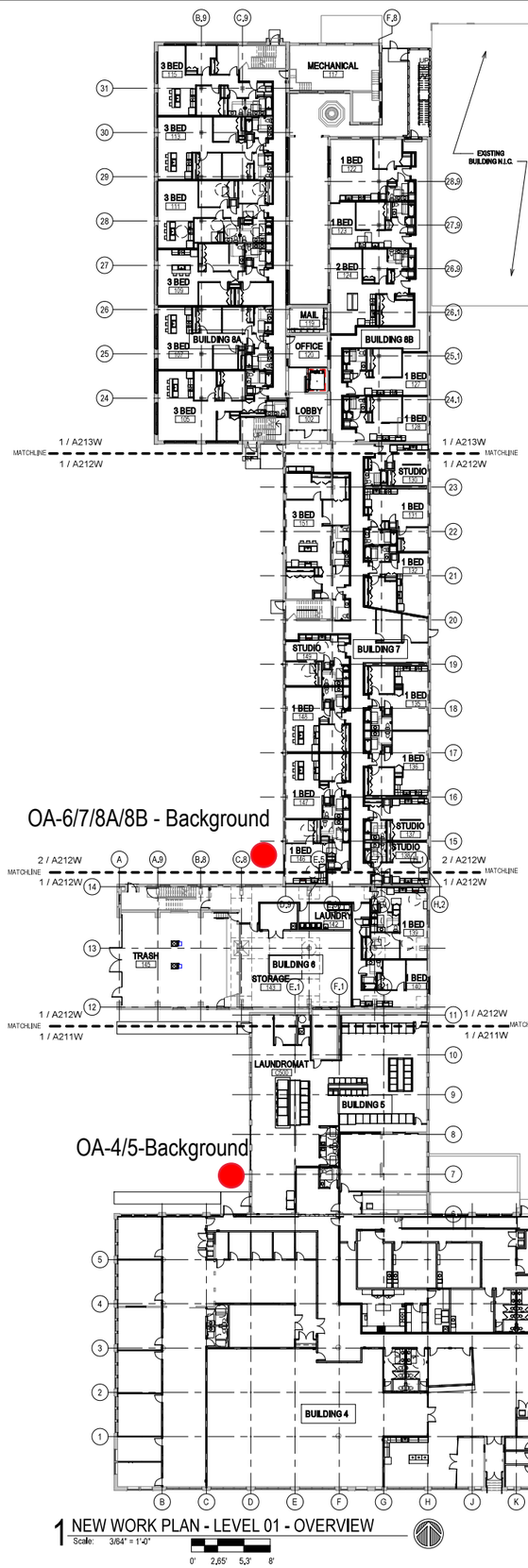
SHEET TITLE: **NEW WORK PLAN - BASEMENT - BUILDINGS 4, 6 & 8A**

REVISIONS:
1 10/09/20 ADDENDUM #1



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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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.
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015	SEE UNIT 122 ENLARGED PLAN.
016	SEE UNIT 227 ENLARGED PLAN.
017	SEE UNIT 111 ENLARGED PLAN.
018	SEE UNIT 217 ENLARGED PLAN.
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026	SEE UNIT 205 ENLARGED PLAN.
027	SEE UNIT 314 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.
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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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 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.
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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 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.

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NEW WORK PLAN LEGEND

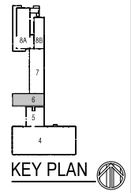
- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 / A (U.N.O.)
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P5 / 1HR-A (U.N.O.)
- X — NEW WORK KEY NOTE

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.

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

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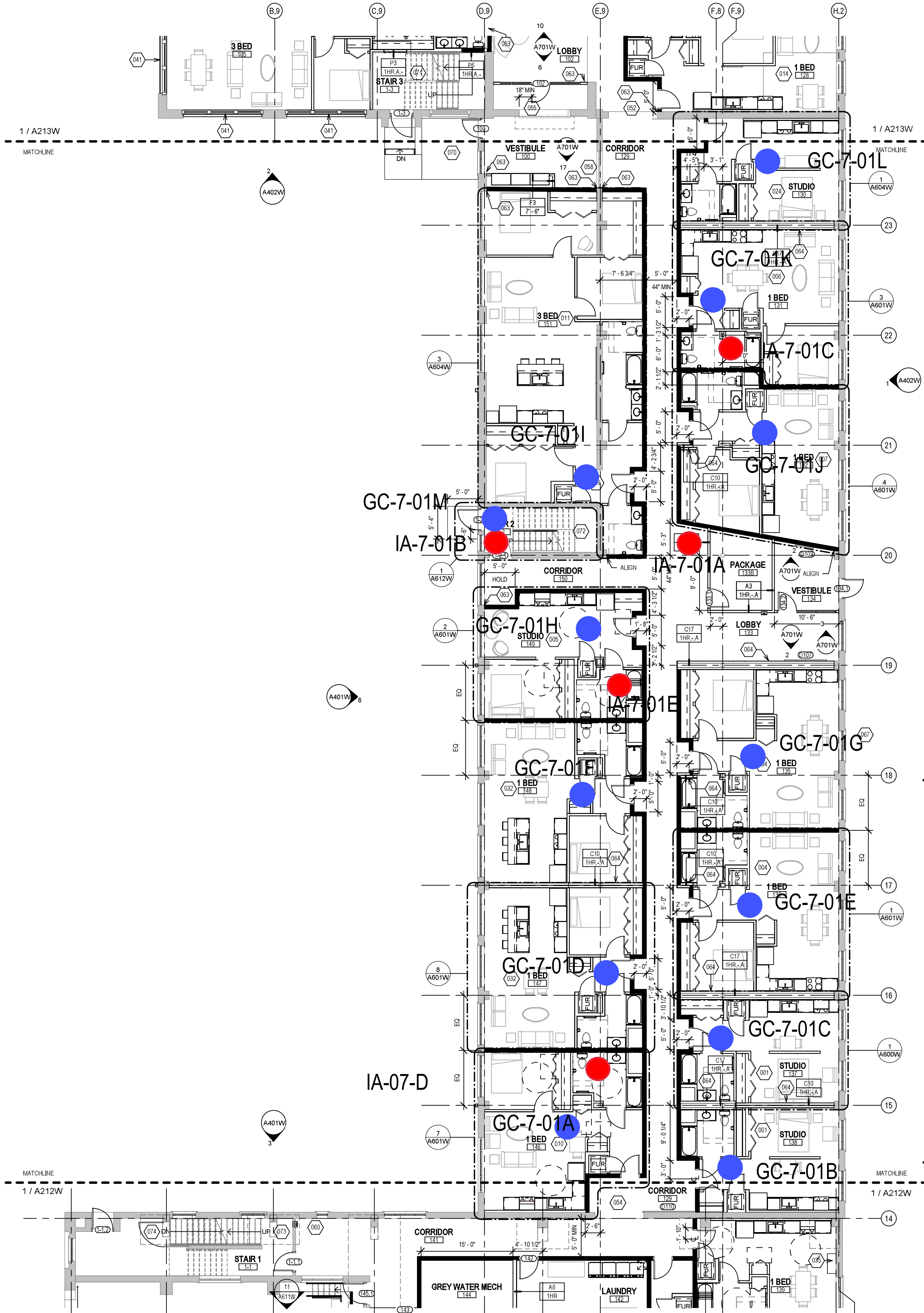
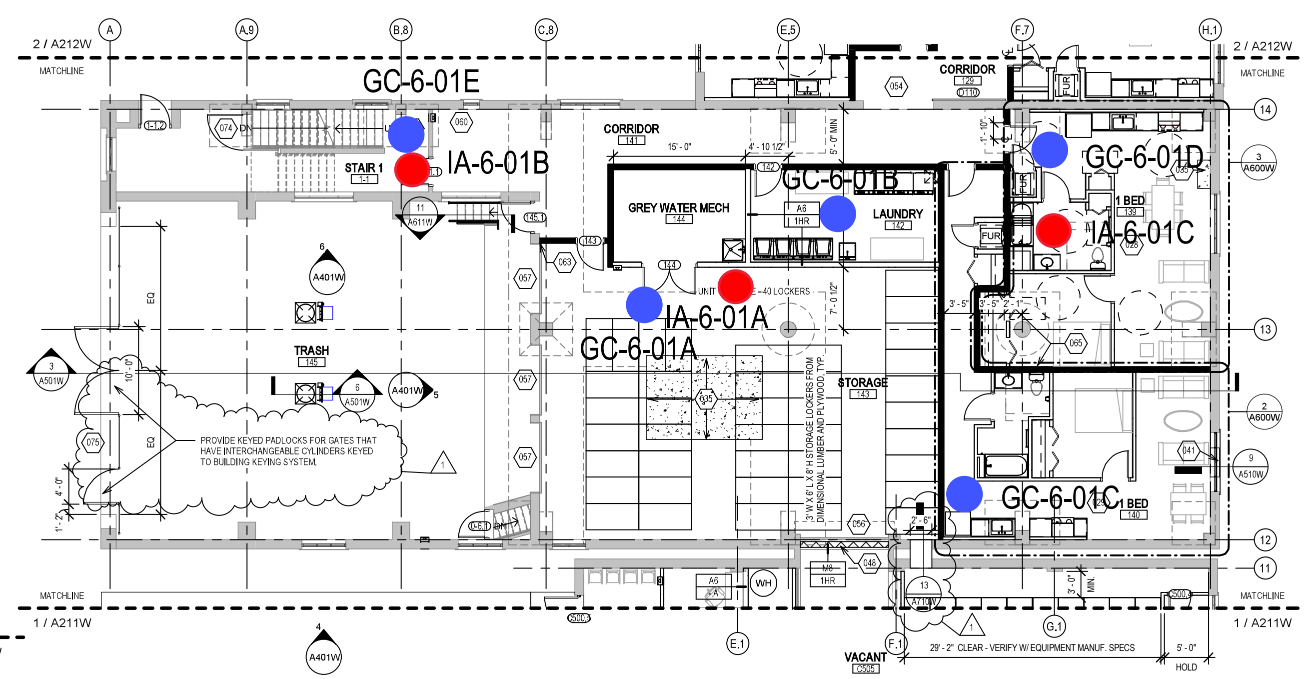
SHEET TITLE: NEW WORK PLAN - LEVEL 01 - OVERVIEW ALL BUILDINGS

REVISIONS
1 10/09/20 ADDENDUM #1

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



2 NEW WORK PLAN - LEVEL 01 - BUILDING 7
Scale: 1/8" = 1'-0"



1 NEW WORK PLAN - LEVEL 01 - BUILDING 6
Scale: 1/8" = 1'-0"

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 127 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 EMBEDED 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 GPYSUM 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 6/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 3'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 EXISITNG 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 P6 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER GYPCRETE 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 BULDINGS 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.

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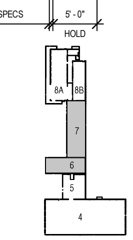
SHEET TITLE: NEW WORK PLAN - LEVEL 01 - BUILDINGS 6 & 7

REVISIONS:
1 10/09/20 ADDENDUM #1



KEY PLAN

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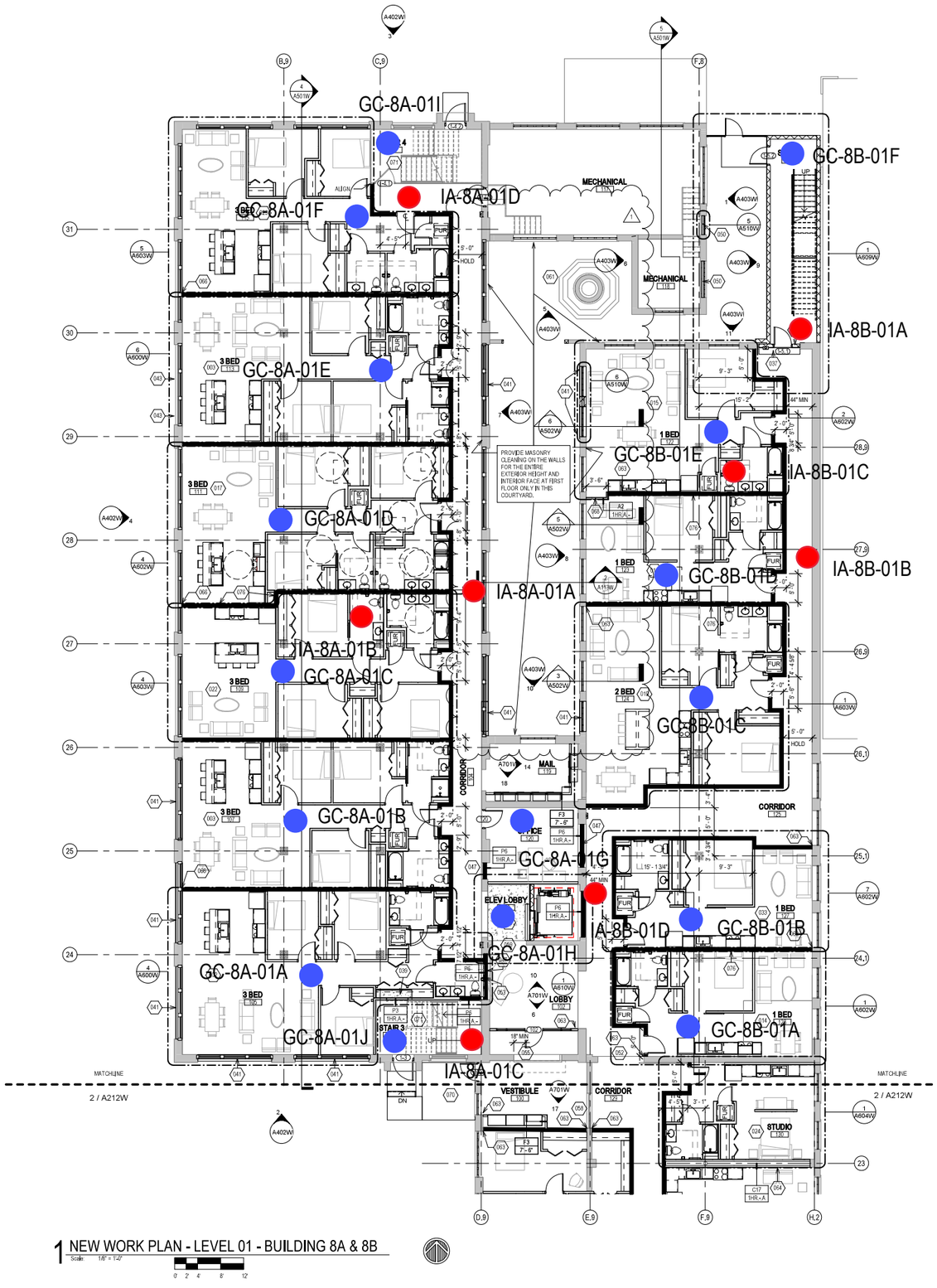
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A212W



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

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 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 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'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	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 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

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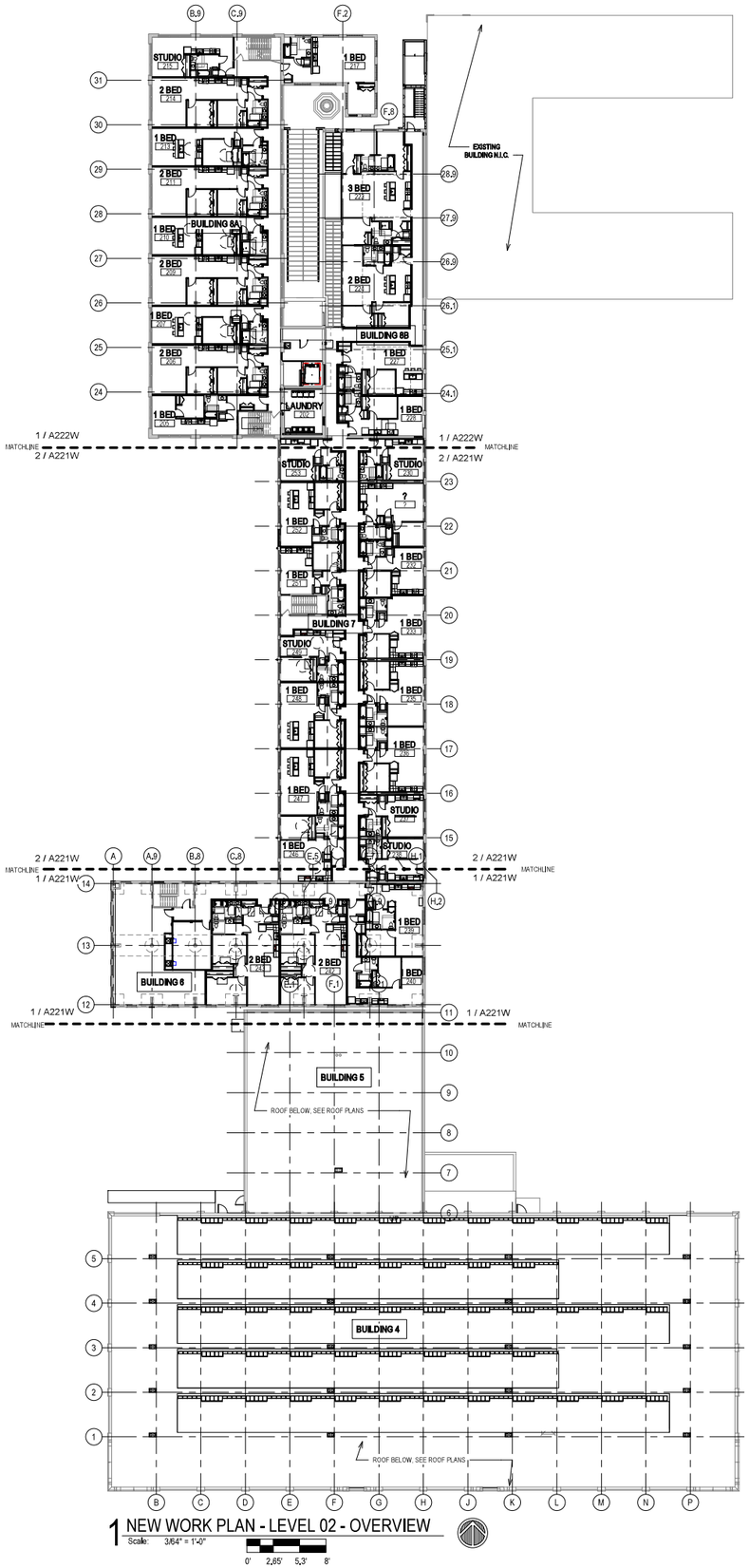
SHEET TITLE: NEW WORK PLAN - LEVEL 01 - BUILDING 8A & 8B

REVISIONS
1 10/09/20 ADDENDUM #1

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



1 NEW WORK PLAN - LEVEL 02 - OVERVIEW

Scale: 3/64" = 1'-0"

0' 2,65' 5,3' 8'

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 PAINTING 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 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 3'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 PB UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER GYPCRETE 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.
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

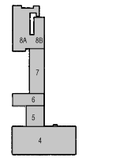
- EXISTING, TO REMAIN
- MASONRY PARTITION. SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION. SEE PARTITION TYPES FOR DETAILS TYPE A3 / A — U.N.O.
- METAL STUD PARTITION. SEE PARTITION TYPES FOR DETAILS TYPE PE / THR - A — U.N.O.
- (X) NEW WORK KEY NOTE

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.

FLOOR ASSEMBLY SUMMARY

	LEVEL 01	LEVEL 02	LEVEL 03
BLDG. 4 MAIN AREA	EXISTING CONCRETE SLAB-ON-GRADE		
BLDG. 4 AT PARTIAL BASEMENT	-EXISTING 8" 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 2X13 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

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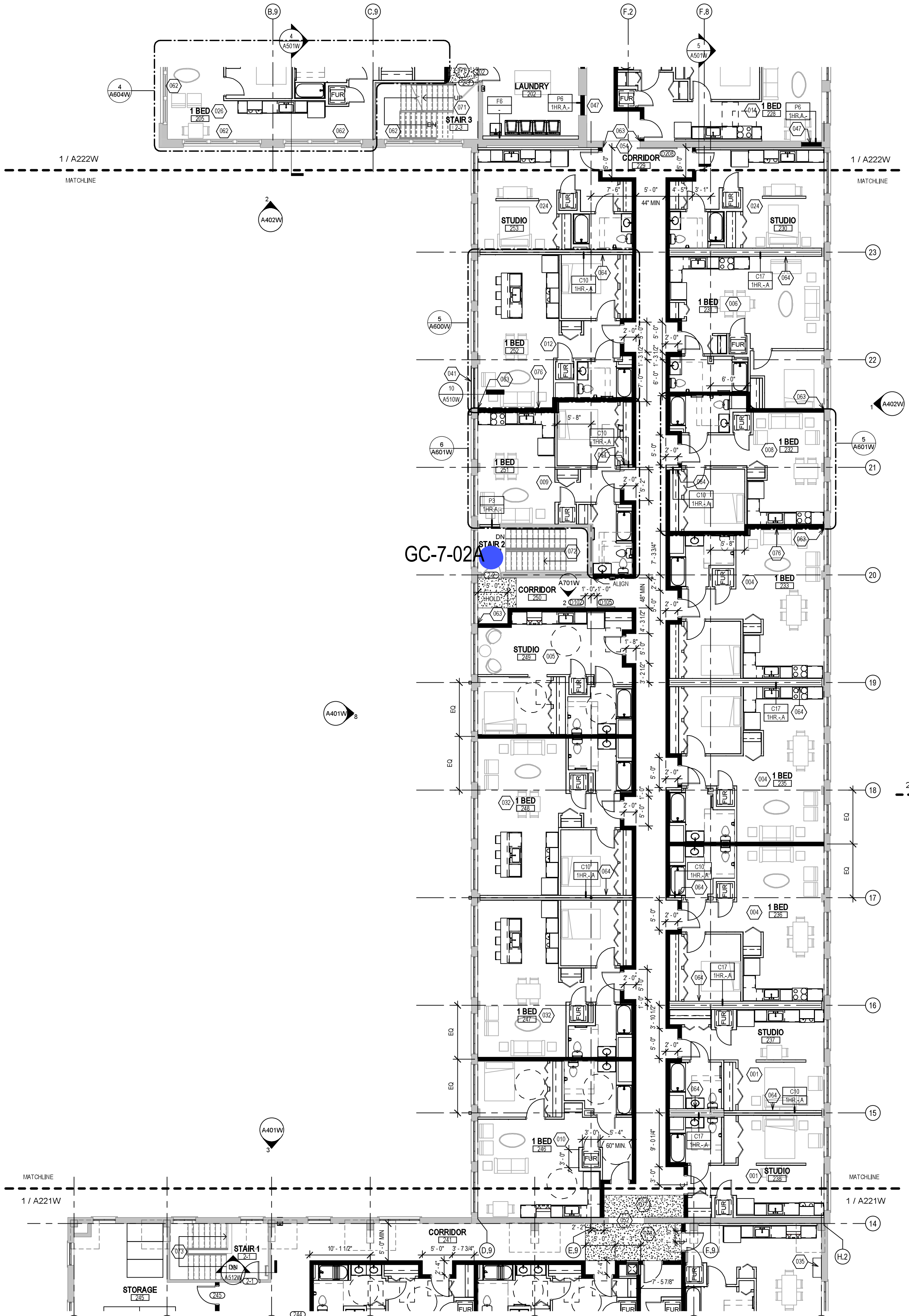
SHEET TITLE:
NEW WORK PLAN - LEVEL 02 - OVERVIEW ALL BUILDINGS

REVISIONS:
1 10/09/20 ADDENDUM #1

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	**CONSTRUCTION DOCUMENTS**
DATE ISSUED	**9/25/20**
SHEET NUMBER	**A220W**



2 NEW WORK PLAN - LEVEL 02 - BUILDING 7
Scale: 1/8" = 1'-0"

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.
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015	SEE UNIT 122 ENLARGED PLAN.
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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 127 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 EMBEDED 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 GPYSUM 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 6/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 3'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 EXISITNG 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 P6 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077	TAPER GYPCRETE 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 BULDINGS 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

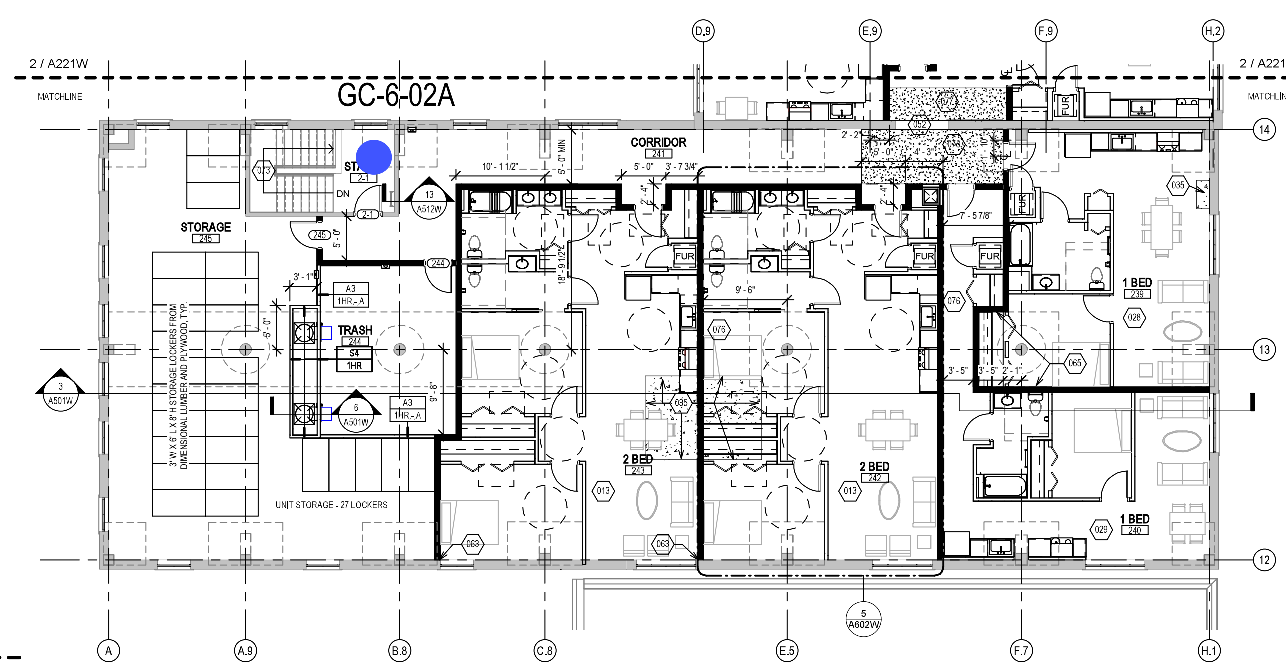
1. THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
2. THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO-VISUAL, AND SECURITY DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 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

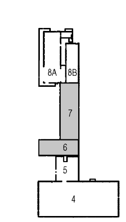
- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 -,A U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P6 1HR,-,A U.N.O.
- X NEW WORK KEY NOTE

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.



1 NEW WORK PLAN - LEVEL 02 - BUILDING 6
Scale: 1/8" = 1'-0"



KEY PLAN

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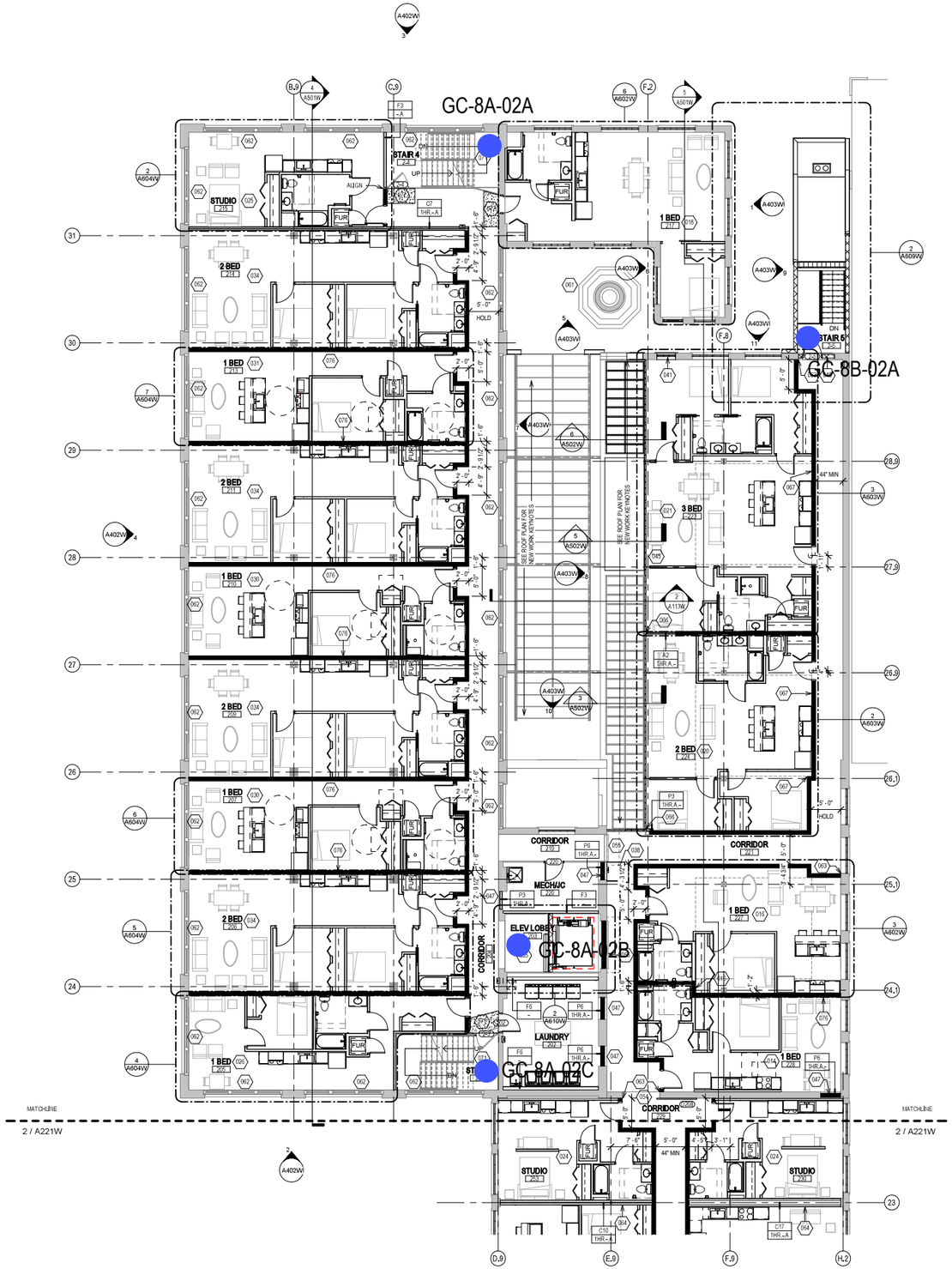
SHEET TITLE: NEW WORK PLAN - LEVEL 02 - BUILDINGS 6 & 7

REVISIONS:
1 10/09/20 ADDENDUM #1

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.

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 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 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 FILL 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 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.
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

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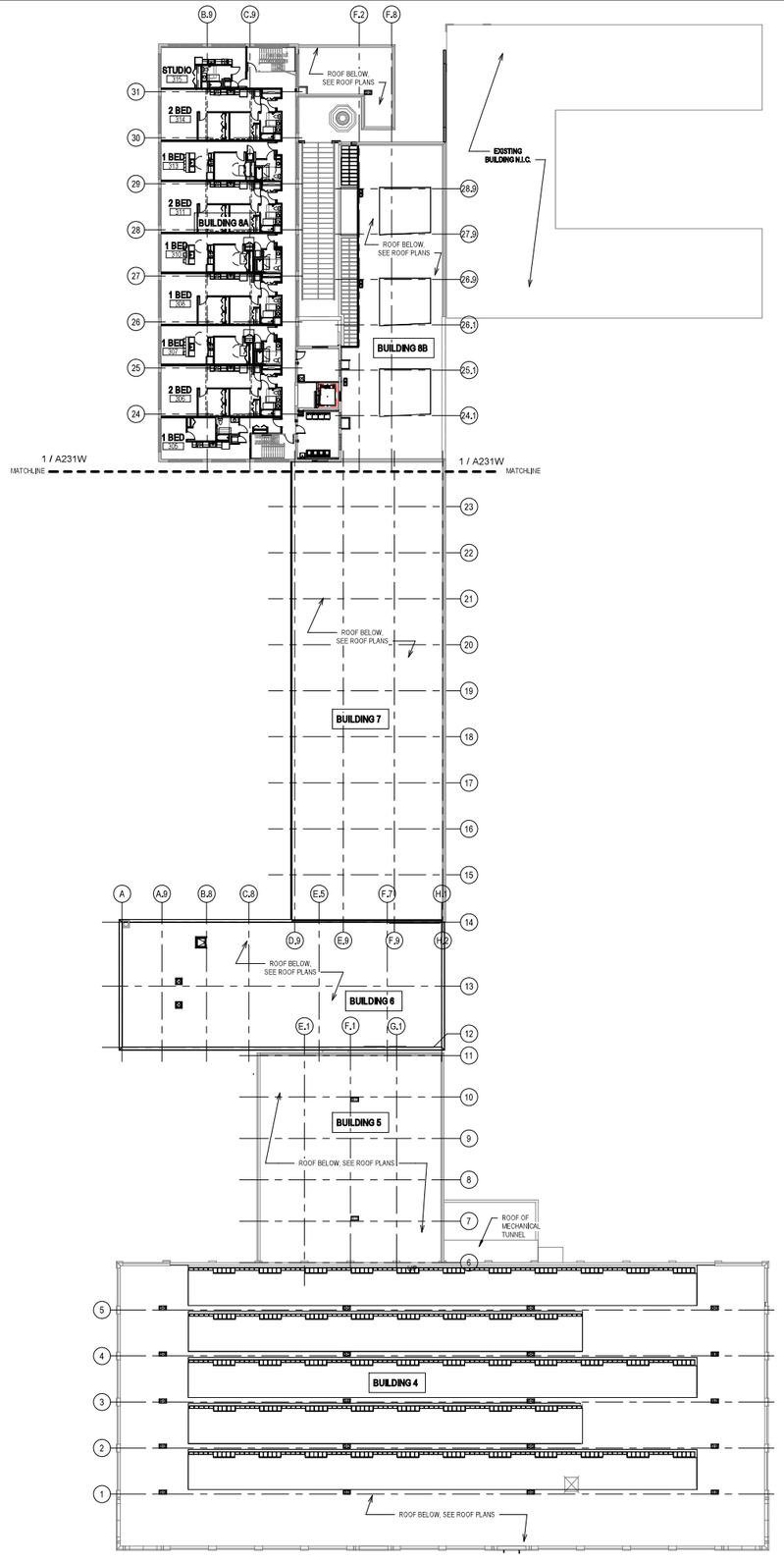
CONSULTANTS

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

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



1 NEW WORK PLAN - LEVEL 03 - OVERVIEW

Scale: 3/64" = 1'-0"

0' 2,65' 5,3' 8'

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 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 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 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 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 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

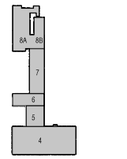
- EXISTING, TO REMAIN
- MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 / -A — U.N.O.
- METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P6 THR -A — U.N.O.
- (X) NEW WORK KEY NOTE

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.

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: 46-49 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: 46-49 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: 46-49 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 8X14 TIMBER FLOOR JOIST (NDS CH. 16 CALCULATED CHAR RATE MEETS 1/2-HOUR RATING) - ASSEMBLY FIRE RATING: 1/2 HOUR - FSTC: 46-49 FIIC: 45-47	



KEY PLAN

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CONSULTANTS

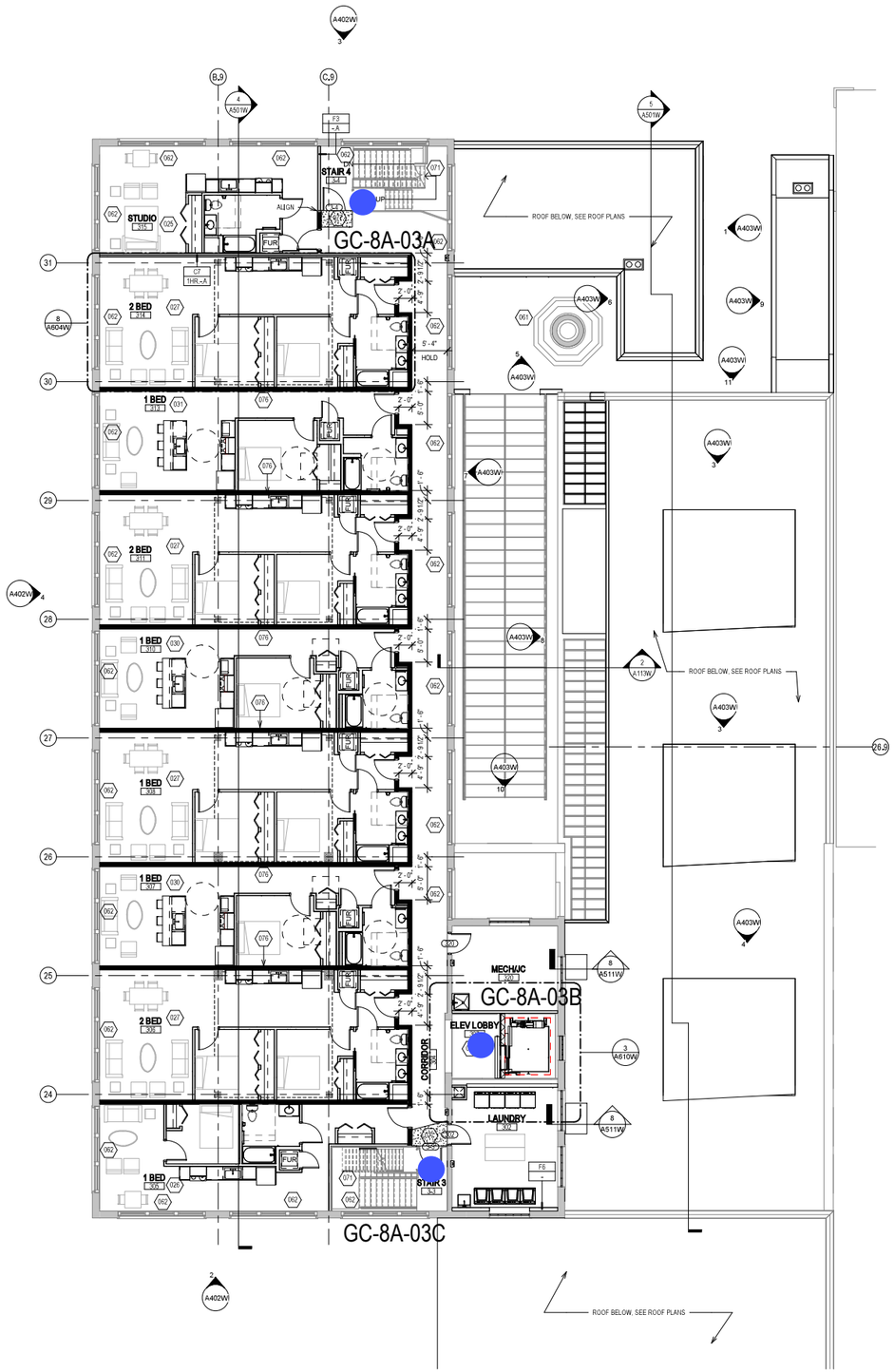
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

2758 N. 3RD STREET
MILWAUKEE, WI 53212

SHEET TITLE: NEW WORK PLAN - LEVEL 03 - OVERVIEW ALL BUILDINGS

REVISIONS:
1 10/09/20 ADDENDUM #1

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A230W



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 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.
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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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047	NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
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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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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 13/A510W.
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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.
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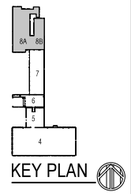
NEW WORK PLAN LEGEND

- 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 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

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751 N Jefferson St.
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Milwaukee, WI 53202
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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

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

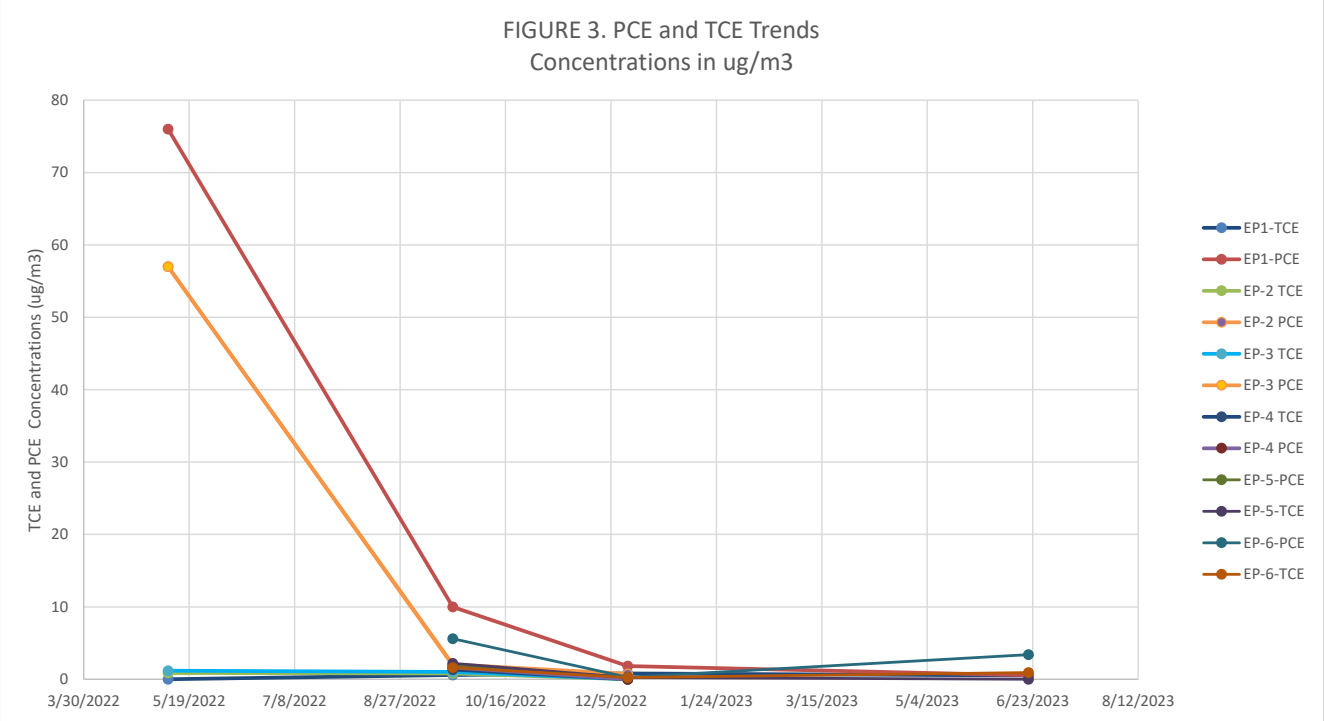
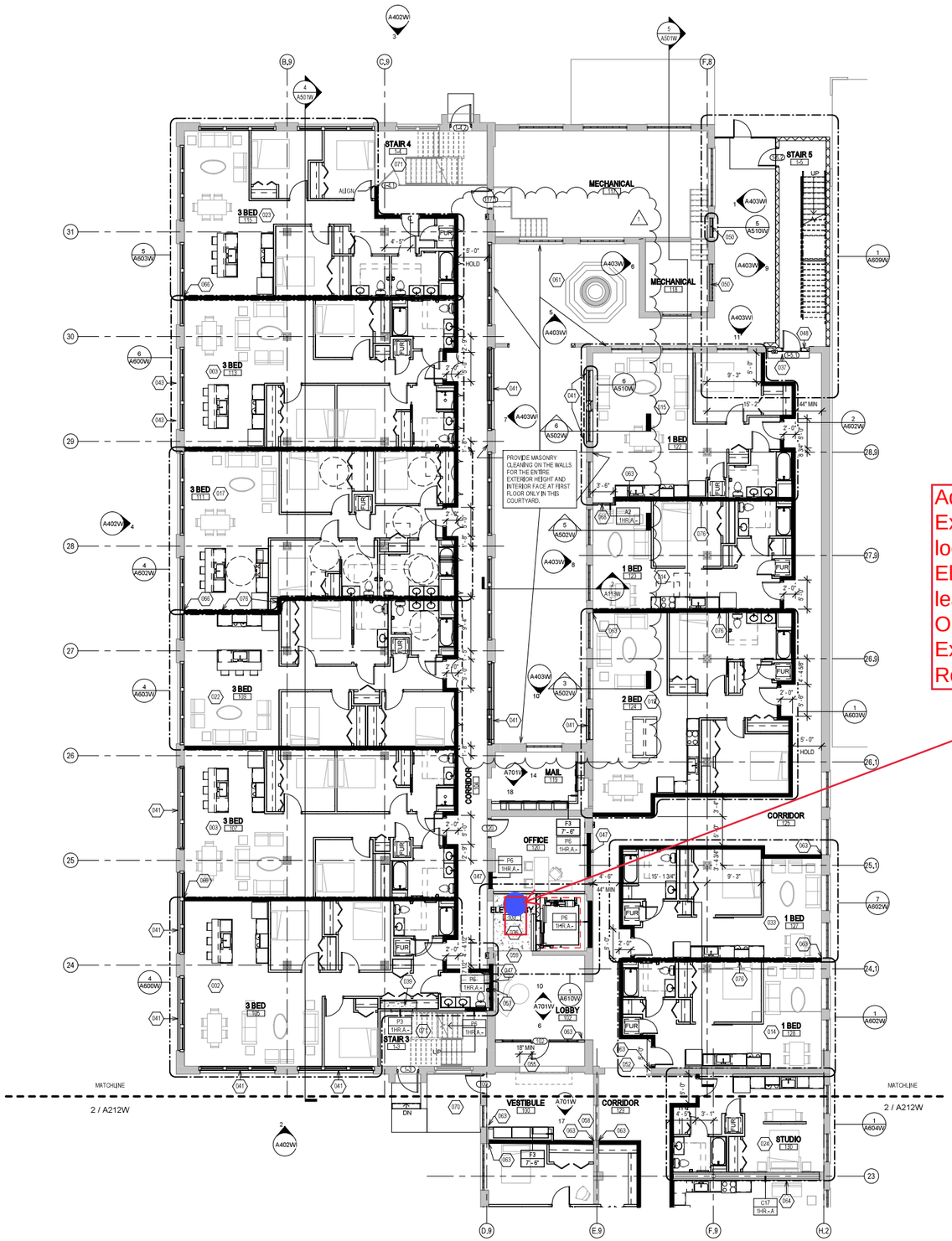


FIGURE 3. PCE and TCE Trends
Concentrations in ug/m3
TCE and PCE Concentrations (ug/m3)
80
70
60
50
40
30
20
10
0
3/30/2022
5/19/2022
7/8/2022
8/27/2022
10/16/2022
12/5/2022
1/24/2023
3/15/2023
5/4/2023
6/23/2023
8/12/2023
EP1-TCE
EP1-PCE
EP-2 TCE
EP-2 PCE
EP-3 TCE
EP-3 PCE
EP-4 TCE
EP-4 PCE
EP-5-PCE
EP-5-TCE
EP-6-PCE
EP-6-TCE



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

Additional Extraction Point located in the Elevator Lobby leading to the OBAR HA 89 Exhaust Fan on the Roof

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 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 PROFILES IF DAMAGED AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS AT ADJACENT WINDOWS OF
	D INFILL WALL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 1/A710W.
	LL ASSEMBLY AT EXISTING OPENING. SEE DETAIL 2/A710W.
	D INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY NT SURFACE FINISH.
	NFILL 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 NON-WALL 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 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 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 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

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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

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

TABLES

Table 1.

CWC-West Block Commissioning Buildings 6, 7, 8A, and 8B			
Differential Pressure Measurements			
Date:		**Measurerer:**	**Samuel Ramirez**
Point	Date	Differential Pressure (inches H2O)	Notes:
SVP-1	6/5/2023	-0.067	
SVP-2	6/5/2023	0	Near Outer Wall
SVP-3	6/7/2023	-0.12	
SVP-4	6/7/2023	-0.115	
SVP-5	6/7/2023	-0.205	
SVP-6	6/7/2023	-0.209	
SVP-7	6/6/2023	-0.046	
SVP-8	6/6/2023	-0.015	
SVP-9	6/5/2023	-0.012	
SVP-10	6/5/2023	-0.033	
SVP-10A	6/5/2023	0	Near Outer Wall
SVP-11	6/5/2023	0	Near Outer Wall
SVP-12	6/6/2023	-0.097	
SVP-13	6/6/2023	-0.033	
SVP-14	6/5/2023	-0.057	
SVP-15	6/6/2023	-0.033	
SVP-16	6/5/2023	-0.053	
SVP-2	6/29/2023	0	Near Outer Wall
SVP-10A	6/29/2023	-0.019	Near Outer Wall
SVP-11	6/29/2023	0	Near Outer Wall

Table 2.
CWC West Block Commissioning - Buildings 6, 7, 8A, and 8B
GC Testing Results of Discrete Indoor Air Samples

Collector / Analyzer: Sameer Neve, Ph.D., ENV SP

ID	Unit	File No.	Date	Time	PCE (ug/m^3)	TCE (ug/m^3)	Notes:
GC-6-Basement	Basement	193	6/5/2023	16:17	ND	1.40	
GC-6-01A	Storage	190	6/5/2023	15:52	ND	0.00	
GC-6-01B	Stair	191	6/5/2023	16:01	ND	1.80	
GC-6-01C	140	235	6/6/2023	14:19	ND	1.10	
GC-6-01D	139	234	6/6/2023	14:11	ND	0.60	
GC-6-01E	Stair	192	6/5/2023	16:09	ND	1.50	
GC-7-01A	146	231	6/6/2023	13:40	ND	0.50	
GC-7-01B	138	224	6/6/2023	11:04	ND	0.50	
GC-7-01C	137	223	6/6/2023	10:54	ND	0.40	
GC-7-01D	147	227	6/6/2023	12:08	ND	1.40	
GC-7-01E	136	222	6/6/2023	10:45	ND	0.50	
GC-7-01F	148	228	6/6/2023	12:17	ND	1.00	
GC-7-01G	135	221	6/6/2023	10:37	ND	0.40	
GC-7-01H	149	232	6/6/2023	13:48	ND	0.45	
GC-7-01I	151	233	6/6/2023	13:58	ND	1.00	
GC-7-01J	132	220	6/6/2023	10:29	ND	0.40	
GC-7-01K	131	219	6/6/2023	10:21	ND	0.30	
GC-7-01L	130	218	6/6/2023	10:13	ND	0.40	
GC-7-01M	Stair	194	6/5/2023	16:37	ND	1.10	
GC-7-01M	Stair	198	6/5/2023	16:37	ND	0.00	
GC-8A-Basement	Basement	212	6/6/2023	9:12	ND	0.70	
GC-8A-01A	105	197	6/5/2023	17:01	ND	0.90	
GC-8A-01B	107	261	6/7/2023	14:54	ND	1.00	
GC-8A-01C	115	262	6/7/2023	15:36	ND	0.90	
GC-8A-01D	111	229	6/6/2023	13:54	ND	0.70	
GC-8A-01E	113	213	6/6/2023	9:33	1.5	0.80	
GC-8A-01G	120	236	6/6/2023	16:06	ND	0.90	
GC-8A-01H	Elevator Lobby		6/6/2023	12:25	ND	0.46	
GC-8A-01I	Stair	207	6/6/2023	8:08	ND	0.52	
GC-8A-01J	Stair	208	6/6/2023	8:18	ND	0.60	
GC-8B-01A	128	217	6/6/2023	10:05	ND	0.70	
GC-8B-01B	127	214	6/6/2023	9:41	ND	0.40	
GC-8B-01C	124	215	6/6/2023	9:49	ND	0.70	
GC-8B-01D	123	216	6/6/2023	9:57	ND	0.50	
GC-8B-01E	122	237	6/6/2023	16:15	ND	0.60	
GC-8B-01F	Stair	211	6/6/2023	9:04	ND	0.80	
GC-6-02A	Stair	209	6/6/2023	8:37	ND	0.40	
GC-7-02A	Stair	210	6/6/2023	8:46	ND	0.80	
GC-8A-02A	Stair	204	6/5/2023	18:07	ND	0.40	
GC-8A-02B	Elevator Lobby	199	6/5/2023	17:23	ND	0.00	
GC-8A-02C	Stair	200	6/5/2023	17:30	ND	0.00	
GC-8B-02A	Stair	195	6/5/2023	16:46	ND	0.90	
GC-8A-03A	Stair	203	6/5/2023	17:59	ND	0.70	
GC-8A-03B	Elevator Lobby	201	6/5/2023	17:37	ND	0.00	
GC-8A-03C	Stair	202	6/5/2023	17:46	ND	0.00	

ID	Unit		Date	Time	PCE (ug/m^3)	TCE (ug/m^3)
GC-8A-01H	Elevator Lobby*		6/5/2023	16:53	ND	5.3
GC-8A-01H	Elevator Lobby*		6/6/2023	7:44	ND	0.0
GC-8A-01H	Elevator Lobby*		6/6/2023	12:25	ND	0.46

*Additional passive sampler installed.

TABLE 3

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-6-01A	IA-6-01A	IA-6-01B	IA-6-01B	IA-6-01B	IA-6-01B	IA-6-01C	IA-6-01C	IA-6-01C	IA-6-01C	IA-6-02A	IA-6-02A	IA-6-02A
Date	---	---	6/8/2022	9/12/2022	12/7/2022	2/15/2023	6/14/2023	6/8/2022	9/12/2022	12/7/2022	6/14/2023	6/8/2022	9/12/2022	12/7/2022	6/16/2023	6/8/2022	9/12/2022	12/7/2022
Trichloroethene	ug/m^3	2.1	<0.14	**2.7**	<0.14	<0.14	<0.12	<0.14	0.59	<0.14	<0.12	0.10	0.37	<0.14	<0.10	<0.14	0.53	<0.14
Tetrachloroethene	ug/m^3	42	<0.17	<0.17	<0.16	<0.17	<0.14	<0.17	<0.17	<0.17	0.20	0.44	<0.16	<0.17	0.18	0.23	<0.17	<0.17
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	<0.16	<0.14	<0.16	<0.16	<0.16	<0.14	<0.16	<0.16	<0.16	<0.11	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	0.31	0.95	<0.32	0.34	<0.28	2.4	13	<0.33	0.95	0.78	<0.32	<0.34	0.49	1.9	1.2	<0.33

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

TABLE 3

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-6-02B	IA-6-02B	IA-6-02B	IA-6-02C	IA-6-02C	IA-6-02C	IA-6-Basement	IA-6-Basement	IA-6-Basement	IA-6-Basement	IA-7-01A	IA-7-01A	IA-7-01A
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	6/14/2023	6/8/2022	9/12/2022	12/7/2022
Trichloroethene	ug/m^3	2.1	<0.14	0.47	<0.14	0.14	0.48	<0.14	<0.14	1.2	0.17	Missing	<0.14	**2.1**	<0.14
Tetrachloroethene	ug/m^3	42	0.14	<0.17	<0.17	0.25	0.18	<0.17	<0.17	<0.17	<0.17	Missing	0.11	<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	Missing	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	2.2	10	<0.33	1.4	0.36	<0.33	0.62	1.8	0.33	Missing	1.4	2.0	<0.33

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

TABLE 3

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-7-01A	IA-7-01A	IA-7-01B	IA-7-01B	IA-7-01B	IA-7-01B	IA-7-01C	IA-7-01C	IA-7-01C	IA-7-01C	IA-7-01D	IA-7-01D	IA-7-01D	IA-7-01D	IA-7-01E
Date	---	---	2/15/2023	6/14/2023	6/8/2022	9/12/2022	12/7/2022	6/14/2023	6/8/2022	9/12/2022	12/7/2022	6/16/2023	6/8/2022	9/12/2022	12/7/2022	6/16/2023	6/16/2023
Trichloroethene	ug/m^3	2.1	<0.14	<0.12	<0.14	Missing	<0.14	<0.12	<0.14	<0.14	0.17	<0.10	<0.14	0.24	<0.14	<0.10	<0.10
Tetrachloroethene	ug/m^3	42	<0.17	0.42	0.10	Missing	<0.17	0.53	0.27	<0.16	<0.17	0.18	0.40	<0.17	<0.17	0.15	0.21
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.14	<0.16	Missing	<0.16	<0.14	<0.16	<0.16	<0.16	<0.11	<0.16	<0.16	<0.16	<0.11	<0.11
trans-1,2-Dichloroethene	ug/m^3	42	0.99	0.82	1.1	Missing	<0.33	0.38	1.1	<0.32	<0.33	0.42	0.74	<0.33	<0.33	0.34	0.32

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

TABLE 3

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-7-02A	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	IA-8A-01A	IA-8A-01B	IA-8A-01B
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	6/14/2023	6/8/2022	9/12/2022
Trichloroethene	ug/m^3	2.1	<0.14	0.64	<0.14	<0.14	0.76	<0.14	<0.14	<0.14	<0.14	<0.14	1.8	<0.14	<0.12	<0.14	1.2
Tetrachloroethene	ug/m^3	42	0.13	<0.17	<0.17	0.12	<0.17	<0.17	1.1	<0.17	<0.17	3.4	<0.17	<0.17	0.48	**42**	<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	<0.14	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	1.7	1.0	0.33	1.7	1.1	0.38	1.1	<0.33	<0.33	6.2	2.8	0.70	1.4	4.3	2.7

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

TABLE 3

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-01C	IA-8A-01D	IA-8A-01D	IA-8A-01D	IA-8A-01D	IA-8A-EL (1st Floor Elevator Lobby)	IA-8A-02A	IA-8A-02A	IA-8A-02A
Date	---	---	12/7/2022	2/15/2023	6/14/2023	6/8/2022	9/12/2022	12/7/2022	6/14/2023	6/8/2022	9/12/2022	12/7/2022	6/14/2023	6/14/2023	6/8/2022	9/12/2022	12/7/2022
Trichloroethene	ug/m^3	2.1	<0.14	0.21	<0.12	<0.14	<0.14	<0.14	Missing	<0.14	1.2	<0.14	Missing	<0.14	<0.14	0.65	<0.14
Tetrachloroethene	ug/m^3	42	<0.17	0.33	0.36	0.42	<0.17	<0.17	Missing	2.5	<0.17	<0.17	Missing	0.41	0.44	<0.17	0.18
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.14	<0.16	<0.16	<0.16	Missing	<0.16	<0.16	<0.16	Missing	<0.16	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	<0.33	0.51	0.51	3.7	0.6	<0.33	Missing	8.1	2.8	0.51	Missing	0.81	1.9	1.6	<0.33

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

TABLE 3

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-02B	IA-8A-02B	IA-8A-02B	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
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	2	<0.14	<0.14	0.17	<0.14	<0.14	0.21	<0.14	<0.14	0.4	<0.14	<0.14	0.9	<0.14
Tetrachloroethene	ug/m^3	42	1.8	<0.17	0.19	4.4	<0.17	<0.17	0.28	<0.17	<0.17	0.66	<0.17	<0.17	0.85	<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	6.2	1.9	<0.33	1.7	0.5	<0.33	2.6	3.7	<0.33	6.6	2.6	0.52	4.4	2.4	0.42

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

TABLE 3

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-03C	IA-8A-03C	IA-8A-03C	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
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
Trichloroethene	ug/m^3	2.1	<0.14	<0.14	<0.14	<0.14	0.46	<0.14	<0.14	0.18	<0.14	<0.14	0.41	<0.14	<0.14	0.36
Tetrachloroethene	ug/m^3	42	2.1	<0.17	<0.17	0.53	<0.17	<0.17	0.31	<0.17	<0.17	0.48	<0.17	<0.17	2.9	0.3
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
trans-1,2-Dichloroethene	ug/m^3	42	4.4	0.66	<0.33	6.0	3.2	0.60	5.0	4.3	<0.33	23	2.9	0.58	9.9	6.2

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

TABLE 3

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-BASEMENT	IA-8A-BASEMENT	IA-8B-01A	IA-8B-01A	IA-8B-01A	IA-8B-01A	IA-8B-01B	IA-8B-01B	IA-8B-01B	IA-8B-01B	IA-8B-01B	IA-8B-01C	IA-8B-01C	IA-8B-01C
Date	---	---	12/7/2022	6/14/2023	6/8/2022	9/12/2022	12/7/2022	6/14/2023	6/8/2022	9/12/2022	12/7/2022	2/15/2023	6/16/2023	6/8/2022	9/12/2022	12/7/2022
Trichloroethene	ug/m^3	2.1	0.34	0.20	<0.14	0.21	<0.14	<0.12	<0.14	**2.1**	<0.14	0.24	<0.10	<0.14	<0.14	<0.14
Tetrachloroethene	ug/m^3	42	0.38	0.50	0.25	<0.17	<0.17	<0.14	0.30	<0.17	<0.17	<0.17	0.24	0.31	<0.17	<0.17
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.14	<0.16	<0.16	<0.16	<0.14	<0.16	<0.16	<0.16	<0.16	<0.11	<0.16	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	<0.33	0.43	2.0	<0.34	<0.33	<0.28	2.1	2.2	0.53	0.65	0.57	0.40	<0.33	<0.33

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

TABLE 3

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-01C	IA-8B-01D	IA-8B-01D	IA-8B-01D	IA-8B-01D	IA-8B-02A	IA-8B-02A	IA-8B-02A	IA-8B-02B	IA-8B-02B	IA-8B-02B	IA-8B-02C	IA-8B-02C	IA-8B-02C	IA-8B-02D
Date	---	---	6/14/2023	6/8/2022	9/12/2022	12/7/2022	6/14/2023	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	<0.13	<0.14	1.9	<0.14	<0.12	<0.14	0.67	<0.14	<0.14	0.28	<0.14	0.25	Missing	<0.14	<0.14
Tetrachloroethene	ug/m^3	42	0.13	0.41	<0.17	<0.17	0.38	0.26	<0.17	0.29	0.28	<0.17	<0.17	1.1	Missing	7.0	0.32
cis-1,2-Dichloroethene	ug/m^3	--	<0.14	<0.16	<0.16	<0.16	<0.14	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	Missing	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	<0.30	2.4	1.9	0.46	0.68	2.8	1.2	<0.33	2.4	<0.33	<0.33	1.5	Missing	<0.33	3.0

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

TABLE 3

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-02D	IA-8B-02D	OA-6/7/8A/8B Background	OA-6/7/8A/8B Background	OA-6/7/8A/8B Background	OA-6/7/8A/8B Background	OA Background
Date	---	---	9/12/2022	12/7/2022	6/8/2022	9/12/2022	12/7/2022	2/15/2023	6/14/2023
Trichloroethene	ug/m^3	2.1	0.7	<0.14	<0.14	0.27	<0.14	<0.14	Missing
Tetrachloroethene	ug/m^3	42	<0.17	<0.17	<0.17	<0.17	<0.16	<0.17	Missing
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	Missing
trans-1,2-Dichloroethene	ug/m^3	42	1.2	<0.33	<0.33	<0.33	<0.32	<0.33	Missing

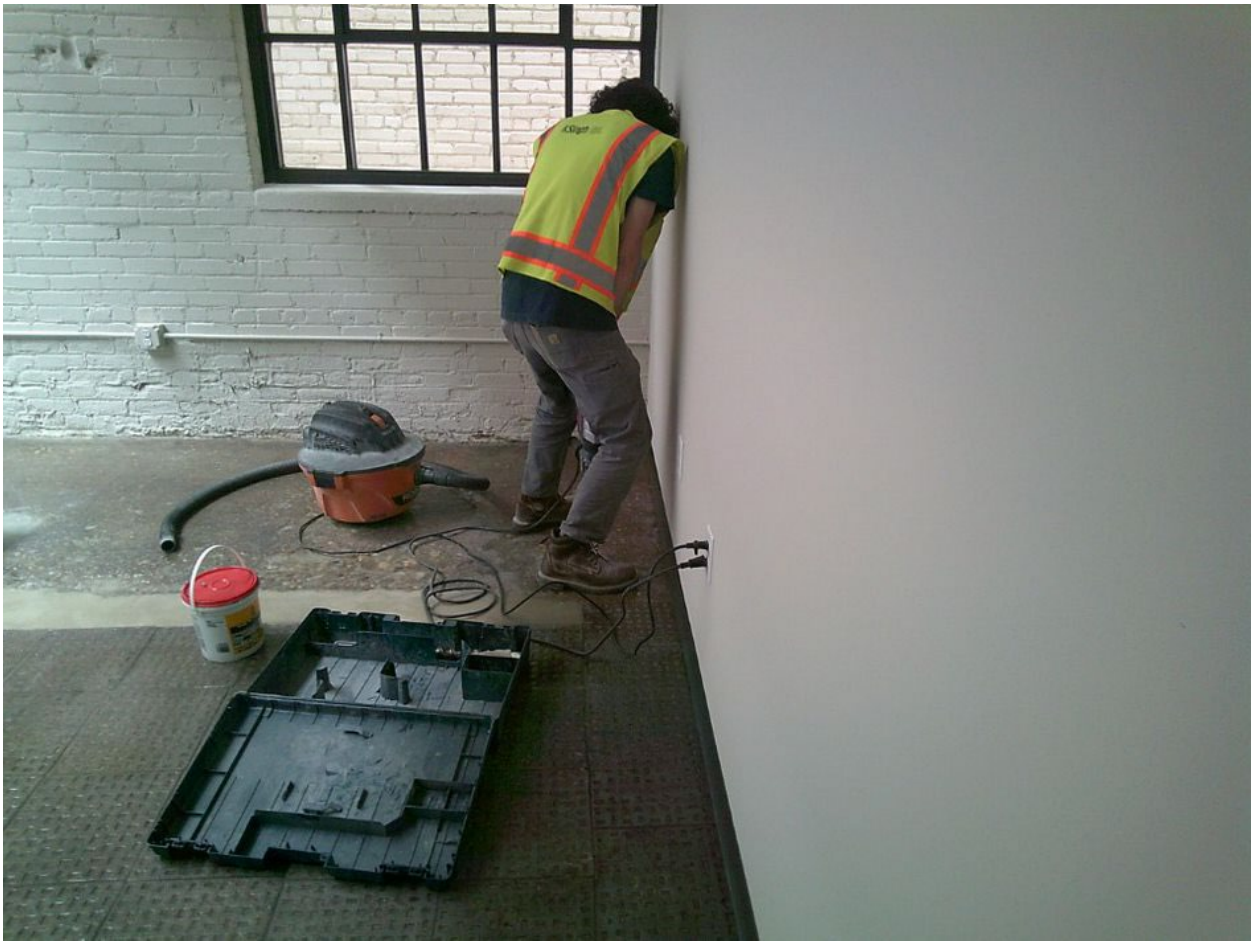
*Based on WDNR Quick Look-Up Table dated February 2022

Table 4						
GC TCE Measurements of Blower Effluent and Estimated Removal Rates						
Date: June 22, 2023						
Exhaust Fan No.	Pipe Diameter	Exhaust Velocity	Flow Rate	TCE Concentration	TCE Removal Rate	TCE Removal Rate
	inches	fpm	cfm	ug/m3	lbs/day	lbs/yr
EP - 1	4	1476	129	19.8	0.00023	0.083682194
EP - 2	2	2579	56	16.3	8.2E-05	0.030092652
EP - 3	4	1417	124	14.9	0.00017	0.060455752
EP - 4	4	1516	132	15.9	0.00019	0.069020458
EP - 5	4	1535	134	405	0.00488	1.780102106
EP - 6	4	1319	115	28.8	0.0003	0.108772421
EP - 7	4	1437	125	7	7.9E-05	0.028802907
					Total	2.16092849

ATTACHMENTS

ATTACHMENT A

Photographs of Commissioning in June 2023



Picture 1. Vapor Pin Installation

Picture 2. Vacuum Measurement at Mail Room

Picture 3. Passive Sampler installed near Elevator

Picture 4. Passive Sampler installed in the hallway

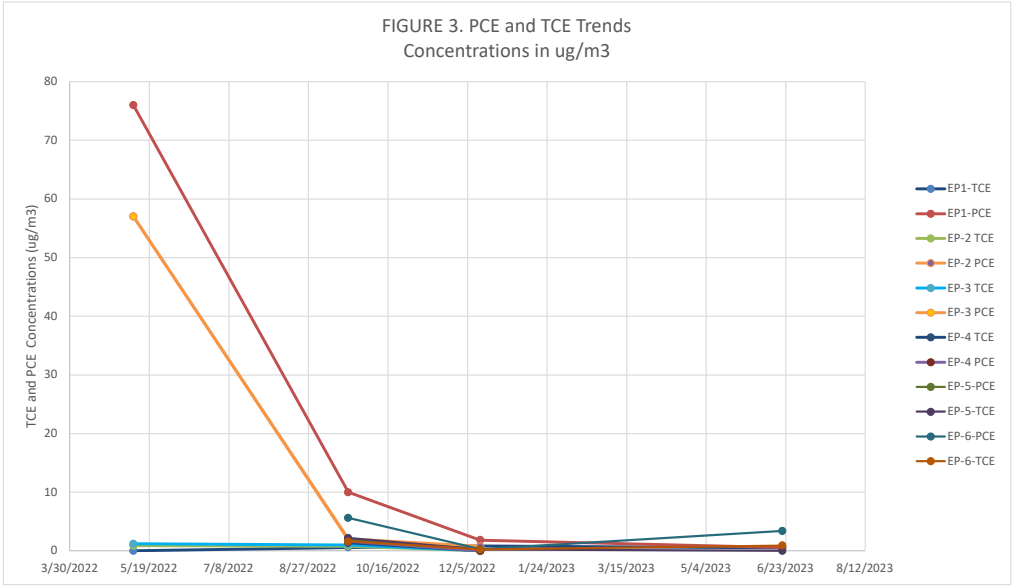
ATTACHMENT B

Exhaust Fan TCE Results and Trends

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

CHEMICAL (ug/m^3)	EP-1				EP-2				EP-3				EP-4		
	5/9/2022	9/21/2022	12/13/2022	6/21/2023	5/9/2022	9/21/2022	12/13/2022	6/21/2023	5/9/2022	9/21/2022	12/13/2022	6/21/2023	9/21/2022	12/13/2022	6/21/2023
Tetrachloroethene (PCE)	76	10	1.83	0.55	57	2.04	0.75	14.65	57	1.9	<0.278	29.2	1.63	<0.278	0.48
Trichloroethene (TCE)	<0.237	0.59	0.8	0.52	0.86	0.8	<0.237	4.14	1.18	1.02	<0.237	<0.237	1.34	<0.237	0.28

CHEMICAL (ug/m^3)	EP-5			EP-6				EP-7						
	9/21/2022	12/13/2022	6/21/2023	9/21/2022	9/21/2022	12/13/2022	6/21/2023	9/21/2022		12/13/2022			6/21/2023	
Tetrachloroethene (PCE)	1.83	0.278	<0.278		5.6	0.278	3.4		---			0.54		1.2
Trichloroethene (TCE)	2.2	0.237	<0.237		1.61	0.237	0.91		---		<	0.237		0.84



ATTACHMENT C

Passive Air Sampling Results for Commissioning

eurofins | Air Toxics

6/29/2023
Mr. Robert Reineke
K Singh & Associates
3636 N 124th St

Wauwatosa WI 53222

Project Name: CWC-West Block
Project #: 40443A
Workorder #: 2306390

Dear Mr. Robert Reineke

The following report includes the data for the above referenced project for sample(s) received on 6/19/2023 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

eurofins | Air Toxics

WORK ORDER #: 2306390

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:	06/19/2023	**CONTACT:**	Jade White
DATE COMPLETED:	06/29/2023		

FRACTION #	NAME	TEST
01A	IA-6-01A	Passive S.E. RAD130/SKC
02A	IA-6-01B	Passive S.E. RAD130/SKC
03A	IA-6-01C	Passive S.E. RAD130/SKC
04A	IA-7-01A	Passive S.E. RAD130/SKC
05A	IA-7-01B	Passive S.E. RAD130/SKC
06A	IA-7-01C	Passive S.E. RAD130/SKC
07A	IA-7-01D	Passive S.E. RAD130/SKC
08A	IA-7-01E	Passive S.E. RAD130/SKC
09A	IA-8A-01A	Passive S.E. RAD130/SKC
10A	IA-8A-01B	Passive S.E. RAD130/SKC
11A	IA-8A-EL	Passive S.E. RAD130/SKC
12A	IA-8A-Basement	Passive S.E. RAD130/SKC
13A	IA-8B-01A	Passive S.E. RAD130/SKC
14A	IA-8B-01B	Passive S.E. RAD130/SKC
15A	IA-8B-01C	Passive S.E. RAD130/SKC
16A	IA-8B-01D	Passive S.E. RAD130/SKC
17A	Lab Blank	Passive S.E. RAD130/SKC
17B	Lab Blank	Passive S.E. RAD130/SKC
18A	CCV	Passive S.E. RAD130/SKC
18B	CCV	Passive S.E. RAD130/SKC
19A	LCS	Passive S.E. RAD130/SKC
19AA	LCSD	Passive S.E. RAD130/SKC
19B	LCS	Passive S.E. RAD130/SKC

Continued on next page

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WORK ORDER #: 2306390

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:	06/19/2023	**CONTACT:**	Jade White
DATE COMPLETED:	06/29/2023		

FRACTION #	NAME	TEST
19BB	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY: Heidi Hayes DATE: 06/29/23

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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# 2306390

Fifteen Radiello 130 (Solvent) samples were received on June 19, 2023 and one Radiello 130 (Solvent) sample was received on June 22, 2023. 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

Sample IA-7-01C was not received at Eurofin Air Toxics, LLC on 6/19/2023 despite notation on the Chain of Custody (COC). The sample was subsequently received on 6/22/2023 and was added to the analytical request.

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 Blanks, a sampling duration of 14528 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-6-01A

Lab ID#: 2306390-01A

No Detections Were Found.

Client Sample ID: IA-6-01B

Lab ID#: 2306390-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.14	0.20	0.28
trans-1,2-Dichloroethene	0.20	0.28	0.95 C	1.3 C

Client Sample ID: IA-6-01C

Lab ID#: 2306390-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.12	0.18	0.22
trans-1,2-Dichloroethene	0.20	0.23	0.49 C	0.58 C

Client Sample ID: IA-7-01A

Lab ID#: 2306390-04A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.14	0.42	0.61
trans-1,2-Dichloroethene	0.20	0.28	0.82 C	1.2 C

Client Sample ID: IA-7-01B

Lab ID#: 2306390-05A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.14	0.53	0.76
trans-1,2-Dichloroethene	0.20	0.28	0.38 C	0.54 C

Client Sample ID: IA-7-01C

Lab ID#: 2306390-06A

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-7-01C

Lab ID#: 2306390-06A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.12	0.18	0.21
trans-1,2-Dichloroethene	0.20	0.23	0.42 C	0.48 C

Client Sample ID: IA-7-01D

Lab ID#: 2306390-07A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.12	0.15	0.17
trans-1,2-Dichloroethene	0.20	0.23	0.34 C	0.40 C

Client Sample ID: IA-7-01E

Lab ID#: 2306390-08A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.12	0.21	0.25
trans-1,2-Dichloroethene	0.20	0.23	0.32 C	0.37 C

Client Sample ID: IA-8A-01A

Lab ID#: 2306390-09A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.14	0.48	0.70
trans-1,2-Dichloroethene	0.20	0.28	1.4 C	2.0 C

Client Sample ID: IA-8A-01B

Lab ID#: 2306390-10A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.14	0.36	0.51
trans-1,2-Dichloroethene	0.20	0.28	0.51 C	0.72 C

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

Client Sample ID: IA-8A-EL

Lab ID#: 2306390-11A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.17	0.41	0.69
trans-1,2-Dichloroethene	0.20	0.33	0.81 C	1.3 C

Client Sample ID: IA-8A-Basement

Lab ID#: 2306390-12A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.20	0.26
Tetrachloroethene	0.10	0.15	0.50	0.74
trans-1,2-Dichloroethene	0.20	0.29	0.43 C	0.63 C

Client Sample ID: IA-8B-01A

Lab ID#: 2306390-13A

No Detections Were Found.

Client Sample ID: IA-8B-01B

Lab ID#: 2306390-14A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.12	0.24	0.28
trans-1,2-Dichloroethene	0.20	0.23	0.57 C	0.66 C

Client Sample ID: IA-8B-01C

Lab ID#: 2306390-15A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.15	0.13	0.20

Client Sample ID: IA-8B-01D

Lab ID#: 2306390-16A

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-8B-01D

Lab ID#: 2306390-16A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.14	0.38	0.54
trans-1,2-Dichloroethene	0.20	0.28	0.68 C	0.96 C

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Client Sample ID: IA-6-01A

Lab ID#: 2306390-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062124sim**	**Date of Collection: 6/14/23 1:20:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 04:25 PM**	
		Date of Extraction: 6/21/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11770 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130

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Client Sample ID: IA-6-01B

Lab ID#: 2306390-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062125sim**	**Date of Collection: 6/14/23 1:25:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 04:51 PM**
		Date of Extraction: 6/21/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.14	0.20	0.28
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	0.95 C	1.3 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11770 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130

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Client Sample ID: IA-6-01C

Lab ID#: 2306390-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062126sim**	**Date of Collection: 6/16/23 11:51:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 05:18 PM**
		Date of Extraction: 6/21/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	0.18	0.22
cis-1,2-Dichloroethene	0.10	0.11	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.23	0.49 C	0.58 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 14252 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130

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Client Sample ID: IA-7-01A

Lab ID#: 2306390-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062127sim**	**Date of Collection: 6/14/23 2:10:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 05:45 PM**
		Date of Extraction: 6/21/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.14	0.42	0.61
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	0.82 C	1.2 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11765 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130

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Client Sample ID: IA-7-01B

Lab ID#: 2306390-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062128sim**	**Date of Collection: 6/14/23 2:05:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 06:11 PM**
		Date of Extraction: 6/21/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.14	0.53	0.76
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	0.38 C	0.54 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11750 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130

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Client Sample ID: IA-7-01C

Lab ID#: 2306390-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062216sim**	**Date of Collection: 6/16/23 12:00:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/22/23 01:39 PM**
		Date of Extraction: 6/22/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	0.18	0.21
cis-1,2-Dichloroethene	0.10	0.11	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.23	0.42 C	0.48 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 14510 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130

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Client Sample ID: IA-7-01D

Lab ID#: 2306390-07A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062129sim**	**Date of Collection: 6/16/23 11:52:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 06:38 PM**
		Date of Extraction: 6/21/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	0.15	0.17
cis-1,2-Dichloroethene	0.10	0.11	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.23	0.34 C	0.40 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 14290 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130

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Client Sample ID: IA-7-01E

Lab ID#: 2306390-08A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062130sim**	**Date of Collection: 6/16/23 11:57:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 07:05 PM**
		Date of Extraction: 6/21/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	0.21	0.25
cis-1,2-Dichloroethene	0.10	0.11	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.23	0.32 C	0.37 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 14286 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130

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Client Sample ID: IA-8A-01A

Lab ID#: 2306390-09A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062131sim**	**Date of Collection: 6/14/23 2:30:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 07:32 PM**	
		Date of Extraction: 6/21/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.14	0.48	0.70
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	1.4 C	2.0 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11805 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130

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Client Sample ID: IA-8A-01B

Lab ID#: 2306390-10A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062132sim**	**Date of Collection: 6/14/23 2:20:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 07:58 PM**	
		Date of Extraction: 6/21/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.14	0.36	0.51
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	0.51 C	0.72 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11825 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130

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Client Sample ID: IA-8A-EL

Lab ID#: 2306390-11A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062133sim**	**Date of Collection: 6/14/23 2:40:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 08:25 PM**	
		Date of Extraction: 6/21/23	

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	0.41	0.69
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	0.81 C	1.3 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	89	70-130

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Client Sample ID: IA-8A-Basement

Lab ID#: 2306390-12A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062134sim**	**Date of Collection: 6/14/23 2:35:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 08:52 PM**
		Date of Extraction: 6/21/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	0.20	0.26
Tetrachloroethene	0.10	0.15	0.50	0.74
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	0.43 C	0.63 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11325 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130

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Client Sample ID: IA-8B-01A

Lab ID#: 2306390-13A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062135sim**	**Date of Collection: 6/14/23 2:25:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 09:19 PM**	
		Date of Extraction: 6/21/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11805 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130

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Client Sample ID: IA-8B-01B

Lab ID#: 2306390-14A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062136sim**	**Date of Collection: 6/16/23 11:43:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 09:45 PM**
		Date of Extraction: 6/21/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	0.24	0.28
cis-1,2-Dichloroethene	0.10	0.11	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.23	0.57 C	0.66 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 14528 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130

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Client Sample ID: IA-8B-01C

Lab ID#: 2306390-15A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062137sim**	**Date of Collection: 6/14/23 11:38:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 10:12 PM**
		Date of Extraction: 6/21/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.13	Not Detected	Not Detected
Tetrachloroethene	0.10	0.15	0.13	0.20
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.30	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11258 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130

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Client Sample ID: IA-8B-01D

Lab ID#: 2306390-16A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062138sim**	**Date of Collection: 6/14/23 2:15:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 10:39 PM**
		Date of Extraction: 6/21/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.14	0.38	0.54
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.28	0.68 C	0.96 C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11805 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2306390-17A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062120sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 02:36 PM**	
		Date of Extraction: 6/21/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.11	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.23	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 14528 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2306390-17B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062205sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/22/23 08:10 AM**	
		Date of Extraction: 6/22/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.11	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.23	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 14528 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 2306390-18A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062117sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 01:11 PM**
		Date of Extraction: NA

Compound	%Recovery
Trichloroethene	100
Tetrachloroethene	98
cis-1,2-Dichloroethene	100
trans-1,2-Dichloroethene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 2306390-18B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062202sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 6/22/23 06:43 AM**
		Date of Extraction: NA

Compound	%Recovery
Trichloroethene	102
Tetrachloroethene	98
cis-1,2-Dichloroethene	105
trans-1,2-Dichloroethene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2306390-19A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062118sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 01:39 PM**	
		Date of Extraction: 6/21/23	

Compound	%Recovery	Method Limits
Trichloroethene	84	70-130
Tetrachloroethene	84	70-130
cis-1,2-Dichloroethene	82	70-130
trans-1,2-Dichloroethene	83	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2306390-19AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062119sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/23 02:06 PM**	
		Date of Extraction: 6/21/23	

Compound	%Recovery	Method Limits
Trichloroethene	84	70-130
Tetrachloroethene	83	70-130
cis-1,2-Dichloroethene	82	70-130
trans-1,2-Dichloroethene	83	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2306390-19B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062203sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/22/23 07:13 AM**	
		Date of Extraction: 6/22/23	

Compound	%Recovery	Method Limits
Trichloroethene	86	70-130
Tetrachloroethene	83	70-130
cis-1,2-Dichloroethene	91	70-130
trans-1,2-Dichloroethene	94	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2306390-19BB

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18062204sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/22/23 07:40 AM**	
		Date of Extraction: 6/22/23	

Compound	%Recovery	Method Limits
Trichloroethene	86	70-130
Tetrachloroethene	84	70-130
cis-1,2-Dichloroethene	87	70-130
trans-1,2-Dichloroethene	90	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130

ATTACHMENT D

QA-QC Protocol for Portable GC

STANDARD OPERATING PROCEDURES (SOPs)

Continuous Monitoring of VOCs by Modified Method TO-14

1.0 Scope and Applications

This SOP has been prepared by Hartman Environmental Geoscience (HEG) to help insure consistent analytical protocol. The scope of topics discussed in this SOP includes the following:

- Method Summary
- Personnel Qualifications
- Instrumentation and Equipment
- Reagents & Standards
- Detection and Reporting Limits
- Interferences
- Precision, Bias and Working Range (Method Performance)
- Sample Collection and Holding Times
- Procedures, Calibration, QAQC and sample Analysis
- QA/QC Requirements
- Data and Records Management and Reporting
- Troubleshooting Problems and Preventative Maintenance
- Safety

2.0 Method Summary

The automated continuous monitoring system measures a select group of volatile organic compounds (VOCs) in an air matrix (indoor air, outdoor air or soil gas). The primary VOCs are chlorinated compounds (TCE, CCl4, CHCl3 and PCE), but it can also analyze for hydrocarbons such as benzene and ethylbenzene. The system can be configure to sample from as many as 16 locations. The system can be controlled remotely and data downloaded via the internet in real time.

3.0 Personnel Qualifications

This method is to be performed by a trained analyst in gas chromatographic methods. A bachelor's degree in science or equivalent training is the minimum requirement for performance of this method. An analyst performing this method without on-site supervision must have a minimum of 3 months of GC experience with this method or equivalent.

4.0 Instrumentation and Equipment

4.1 Gas Chromatograph and Peripherals:

The system consists of the following elements:

- Gas chromatograph (SRI 8610) with an electron capture detector (ECD) and optional Photoionization detector (PID);
- Sixteen-port stream selection valve (Valco Instruments);
- Sample injection valve with 2 cc sample loop
- Computerized data acquisition system (Peaksimple by SRI Instruments)
- Remote connection via Wireless connection (ethernet cable, cell or wifi).

Small diameter tubing from each sample location is connected to a stream selector valve. A low-flow vacuum pump draws the indoor air sample through the tubing and through the sample loop from the selected sample location. When purging is complete (approximately 30 seconds), the sample injection valve rotates and injects the sample into the GC for analysis. Analysis time is approximately nine (9) minutes. When the analysis is complete, the stream selector advances to the next position (next sample location) and the process repeats. This sequence continues uninterrupted until stopped.

The above-mentioned equipment requires 115 VAC as a power source to operate. This power can be applied by external power sources available at the site, or by an internal, gasoline operated generator located on the site itself.

The data acquisition software (Peaksimple) acquires the chromatographic data and also controls the stream-selector valve, sample injection, GC analysis and stores the data to a summary file on a laptop. Remote access to the laptop and the data is enabled by a wireless connection.

4.2 Small diameter tubing, either stainless steel or nylon.

4.3 Low flow vacuum pump.

4.4 Computer running Windows 10.

5.0 Reagents and Standards

5.1 High purity Nitrogen compressed gas

5.2. Primary (stock) standards:

Vapor standards purchased from certified supplier at 1000 ppbv. Certificates and preparations of all secondary standards are recorded on a log sheet.

5.3 Secondary (working) Standards:

Made by diluting primary standard with ultra-pure air or nitrogen. Typical concentration range from 1 ppbv to 100 ppbv. It is preferable to prepare these standards in summa canisters as they are stable for longer time period. Tedlar bags may be used in lieu of summa canisters if prepared fresh daily.

5.3.1 Using a gas-tight syringe introduce the following amounts of 1 ppmv primary stock vapor standard into 1000 cc of air:.

Target Concentration (ppbv)	Volume of Stock (cc)
1	1
10	10
50	50
100	100

Standards may be prepared at other concentrations if a different analytical range is possible and desired. (See section 6.2 for more information)

6.0 Detection Limits and Reporting Limits

6.1 Method Detection Limit

The method detection limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. MDLs for each target analyte is established prior to a project. The laboratory shall maintain proof of the MDL demonstrations (i.e., before project samples are analyzed) and upon request in the format specified.

MDLs will be demonstrated using the following instructions:

(1) Estimate the MDL using one of the following methods:

a) The concentration value that corresponds to an instrument signal/noise ratio in the range of 2.5 to 5, or

b) The concentration equivalent of 3 times the standard deviation of at least seven replicate measurement of the target analyte or

c) The region of the standard curve where there is a significant change in sensitivity (i.e., a break in the slope of the standard curve).

(2) Prepare and analyze seven samples containing the analyte of interest at a concentration five to ten times the estimated MDL.

(3) Determine the variance (S2) for each analyte as follows:

$$S2 = \frac{1}{n-1}\left[\sum_{i=1}^{n}\left(x_i - \bar{x}\right)^2\right]$$

where xi = **is** the measurement of the variable x and
$\bar{x}$ = the average value of x

$$\bar{X} = \frac{1}{n}\sum_{i=1}^{n} x_i$$

(4) Determine the standard deviation (s) for each analyte as follows:

s = (S2)1/2

(5) Determine the MDL for each analyte as follows:

MDL = 3.14(s)
(note: 3.14 is the one-sided t-statistic at the 99 percent confidence level appropriate for determining the MDL using 7 samples)

(6) If the spike level used in step 2 is more than 10 times the calculated MDL, repeat the process using a smaller spiking level. If the calculated MDL is more than the spike level concentration, repeat the process using a higher spiking level. If the calculated MDL is less than 10% of the spikes level concentration, repeat the process using a lower spiking level.

Where multiple instruments are used, the MDL used for reporting purposes shall represent the least sensitive instrument.

6.2 Reporting Limits

The reporting limits (RLs) will be dependent upon the sample matrix, indoor air or soil vapor, and the calibration range. The ECD detector has a lower sensitivity than the PID and therefore can be used to achieve lower RLs than the PID. At mid- range concentrations, the results from the PID and ECD can be compared as verifications. At higher concentrations, the ECD will be over-range and will not provide accurate results.

The normal reporting limits are nominally 0.1 ppbv - 20 ppbv of each compound. These limits should be compared annually to the MDL's to make certain that they are appropriate. Depending upon client data quality objectives (DQO's), the reporting limits may change. The reporting limits, however, are still dependent upon the calibration curve.. However, the lowest point in the calibration curve cannot be greater than 5 times the reporting limit. Some projects may require that the lowest point on the calibration curve be set at the RLs and these will be project specific.

When samples are diluted, the reporting limits are raised proportionately. All multipliers must also be applied to the reporting limits as well. Dilutions are recorded on the daily extraction/run logs and are entered into the Peaksimple software for the particular analysis.

7.0 Interferences

When analyzing for volatile organics, samples can contain high concentrations of target and non-target analytes. These analytes may interfere with the ECD and PID detectors. The analyst should attempt to analyze these samples at the lowest dilution factor to obtain the lowest achievable reporting limits but at the same time meeting QAQC requirements. In addition, the sample loops may be prone to carry over . The sample loop should be flushed well after a high concentration sample is analyzed (>50 times the RL). In addition, a blank should be analyzed after any high level sample (>50 times the RL) to ensure that carry over is eliminated.

8.0 Precision, Bias and Working Range

The working range of the instrument is between the method detection limit for the analyte and the concentration of the high standard used for system calibration. In the event that sample results are greater than the amount used for the high standard, then sample dilution is necessary. Results reported that are between the MDL and RL should be flagged with the "J" flag as a quantitative estimate.

The required precision of this method is 30%. Precision is determined prior to each sampling program by performing replicate analysis of a mid-range standard.

The required bias of this method is +/- 30% which can be determined by analyzing a mid-point standard, mid-point second source standard, or a performance test sample.

9.0 Sample Collection and Holding Times

In automated mode, samples are not collected in containers. The sample is pulled through the tubing and flushed through the sample loop by a low-flow vacuum pump. If confirmation samples are to be collected for off-site analysis, the chemist is to refer to the project confirmation sheet to determine the details of the sampling. Samples should be collected in passivated canisters designed to prevent the loss of volatile compounds. Holding times for the various sample vessels should be observed, typically no more than 30 days for summa canisters.

10.0 Procedures, Calibration, QAQC Analysis and Sample Analysis

10.1 System Set-Up

A flat surface approximately 3 feet by 3 feet is necessary to set-up the gas chromatograph and supporting equipment. The nitrogen cylinder should be secured in an upright or horizontal position ot in a mobile tank rack. Connect the nitrogen to the instrument using clean copper tubing.

10.2 System Start-Up – Instrument

Open the valve on the nitrogen carrier gas and insure that no leaks are detected. Let the nitrogen run for approximately 5 minutes to flush all air out of the columns and detector bodies. Load the Peaksimple program into the compute. Turn on the GC and check to make sure the carrier flow is within acceptable range.

The recommended GC conditions are:

Initial temp: 60 to 90 C
Program rate: Isothermal
Injection temp: 125 C
ECD Detector temp: 250 C
PID Detector temp: 120 C

Turn on the PID lamp and allow the PID and ECD to stabilize. Determine when stable by monitoring the baseline detector voltages on the Peaksimple software. PID voltage should be less than 20 mV and stable. ECD voltage should be less than 500 mV and stable. This may take up to 1 hour. The system is now ready for operation.

10.3 System Calibration

Prior to performing analyses, the GC must be calibrated to ensure system accuracy. To calibrate the GC, standards that were prepared in section 5.3 are injected into the GC and analyzed. A minimum of 3 concentration levels are to be used to generate the calibration curve for each analyte. The end result is a calibration curve for each analyte on each detector. The linearity of the calibration curve is to be evaluated per section 11.1

10.4 Daily Continuing Calibration Verification (CCV)

Once an acceptable calibration curve is generated for all analytes to be reported, this curve can be used to analyze client samples as long as it is still valid. To determine if a curve is still valid, a mid-point standard is analyzed at a regular interval and the percent difference (drift) of each analyte is calculated using the following equation:

$$\% D = C_E\text{-}C_C/C_E * 100$$

Where: $C_{E = Expected}$ Analyte Concentration of CCV
$C_{C = Determined}$ Analyte Concentration of CCV

See section 11.2 for CCV criteria and corrective actions.

10.5 Blanks

Once the calibration is verified as valid, a method blank is to be analyzed. This is performed by injecting clean air into the sample loop and analyzing per the method. The blank must meet criteria set in section 11.3.

10.6 Samples

Once an acceptable blank is analyzed, sample analysis can proceed. All samples are to be analyzed under the same analytical conditions as the standards and blanks. Samples are to be evaluated according to criteria set forth in section 11.4.

11.0 Quality Assurance and Quality Control

Quality Assurance (QA) and Quality Control (QC) are a set of procedures and conditions implemented to assure data produced are of known and proven quality. The procedures are also designed to maximize the precision and accuracy of the analytical process. QA/QC is a continuous process requiring verification by inspection and, if necessary, appropriate corrective action. Listed below are key items used to insure proper QA/QC.

11.1 Initial Calibration (ICAL)

The computer will construct the calibration "curve" according to one of several methods. Among these are (a) straight line, (b) straight line through origin, (c) point to point, (d) quadratic. For the PID detector, the recommended curve is either method (a) or (b). For the ECD, method (c) is used due to the small linear range of the ECD detector.

Area counts from each calibration standard are inputted into an Excel spreadsheet template (svfixed.xls) which is in the laboratory. The spreadsheet computes the response factor (RF) for each standard, the average response factor for all the standards, the standard deviation (SD) of the response factors, and the % RSD as:

%RSD = SD/ave RF*100

If the %RSD is less than or equal to 30%, the values are inputted into the Peaksimple software and used for quantitation. If the %RSD is greater than 30%, a new ICAL is performed.

All calibrations are to be reviewed and approved by the laboratory director or QAO before use on client samples.

Hardcopy outputs of the chromatograms are to be saved and kept with the instrument throughout the lifetime of the ICAL. The hardcopy output should list the method used to

generate the ICAL curve. The ICAL is considered valid until the continuing calibration fails or a major change in the instrument operating condition occurs.

11.2 Continuing Calibration (CCAL)

The calibration of the instrument is checked prior to running samples weekly. The continuing calibration (CCAL) or continuing calibration verification (CCV) checks the validity of the ICAL. Normally a standard corresponding to the midpoint of the calibration curve is chosen. Response of the compounds of interest must be within 35% of the calibrated amount for the curve to be valid.

Corrective Action: Reprepare and/or reanalyze the CCV standard. If failure is confirmed, perform a new ICAL.

11.3 Blanks

Method blanks are performed at least daily, and typically every sequence, by drawing clean air through the sampling equipment and analyzing. These blanks verify all components of the sampling and analytical system are free of contamination. Additional blanks are recommended immediately after any high concentration samples. The results of all blank analyses are recorded in the data tables. If a contaminant is found, the source of contamination must be investigated and measures taken to correct, minimize or eliminate the blank if above the reporting limit.

11.4 Sample Duplicates and Replicates

A sample replicate is a sample that is collected as soon as possible after the original sample was collected from that same location. A sample duplicate is a repeat analysis of the same sample. Sample replicates can be performed with the system by repeating the analysis of the same sample location. Sample duplicates can not be performed with the system. Replicate results are evaluated against the original sample results by calculating the Relative Percent Difference (RPD). The RPD can be calculated using the following general equation:

$$RPD = \frac{C_S - C_D}{(C_S + C_D)/2} \times 100$$

Where.. C_S = Concentration of analyte in sample
C_D= Concentration of analyte in replicate or duplicate

This RPD criterion is 30% or less.

Corrective Action: Recollect and reanalyze one more replicate.

12.0 Data and Records Management and Reports

Document control is the process by which the documentation associated with samples and sample data are tracked and monitored.

12.1 Reporting

The Data Package

For the continuous monitoring system, the data package will consist of the following in the order listed or as near as possible to that order:

a) Daily summary files.
b) An Excel file with data for all the sampling locations..

Final Report

The following information should be included in the lab report:

- Locations of the samples;
- Summary of the results;
- Description of the system as configured;
- Any deviations from the QA/QC requirements listed in this SOP.

After the final laboratory report is issued, the report will remain unchanged. Any amendments to the report will be made as separate reports and will include a statement of amendment or supplement to the original report. The Laboratory will notify the client promptly in writing of any defective measuring or validity problems with data.

The necessary steps to ensure the confidentiality of its report, by providing data only to the client by phone, e-mail or mail.

The Laboratory shall certify that the test results meet all the requirements of this SOP or shall provide a reasonable explanation as to why they do not.

13.0 Troubleshooting and Maintenance

If there are problems with instrumentation refer to the appropriate manual for troubleshooting options.

13.1 Preventive Maintenance

Preventive Maintenance (PM) is that set of procedures taken in an effort to assure that sample throughput is continued and that data quality is not degraded by system malfunctions. Although failure to perform preventive maintenance does not of itself produce poor quality data, the lack of such procedures may lead to earlier degradation of data and slower processing of samples.

This section treats PM in two sections: preparation and instrument PM.

13.1.1 Preparation PM

The primary area where preventable errors can enter throughout the preparation steps is the introduction of contamination. Preventive maintenance in the preparation steps primarily consists of baking and/or nitrogen flushing of the glass syringes before use.

If samples are suspected to be hot, the sample is to be diluted before it is to be analyzed to prevent contamination of the GC system

13.1.2 Instrument PM

There are five pieces of instrumentation involved in the analysis of volatile organics by GC/ECD/PID. They are the following:

(1) The Gas Chromatograph and detectors
(2) Sample Loop
(3) The computer system

The Laboratory follows the manufacturer's recommendations on the Gas Chromatograph. Gas Chromatograph PM consists primarily of maintaining a full stock of consumable parts. Swagelok nuts, ferrules, septa, etc. allow the operator to repair, change worn parts quickly and to continue operation without loss of time. Tubing should be periodically inspected for cracks and possible leaks. Monitoring of the gas levels and rate of pressure loss may help discover problems.

The Computer system PM consists of keeping dust and dirt out of the components and backing up the data and methods as often as possible.

13.2 Troubleshooting

There are many problems that may occur during analyses. The following are the most frequent along with the suggested investigative steps:

13.2.1 Low sensitivity

Possible causes: Leaks or dirty PID lamp

Leaks can occur at the septa and at the analytical column connections. These are to be inspected and the septa and/or ferrules replaced if necessary. Remove and clean PID lamp. Replace and retest.

13.2.3 Poor peak shapes and tailing

Possible causes: Poor column installation or poor carrier flow

Reinstall column, check and adjust carrier flow and retest

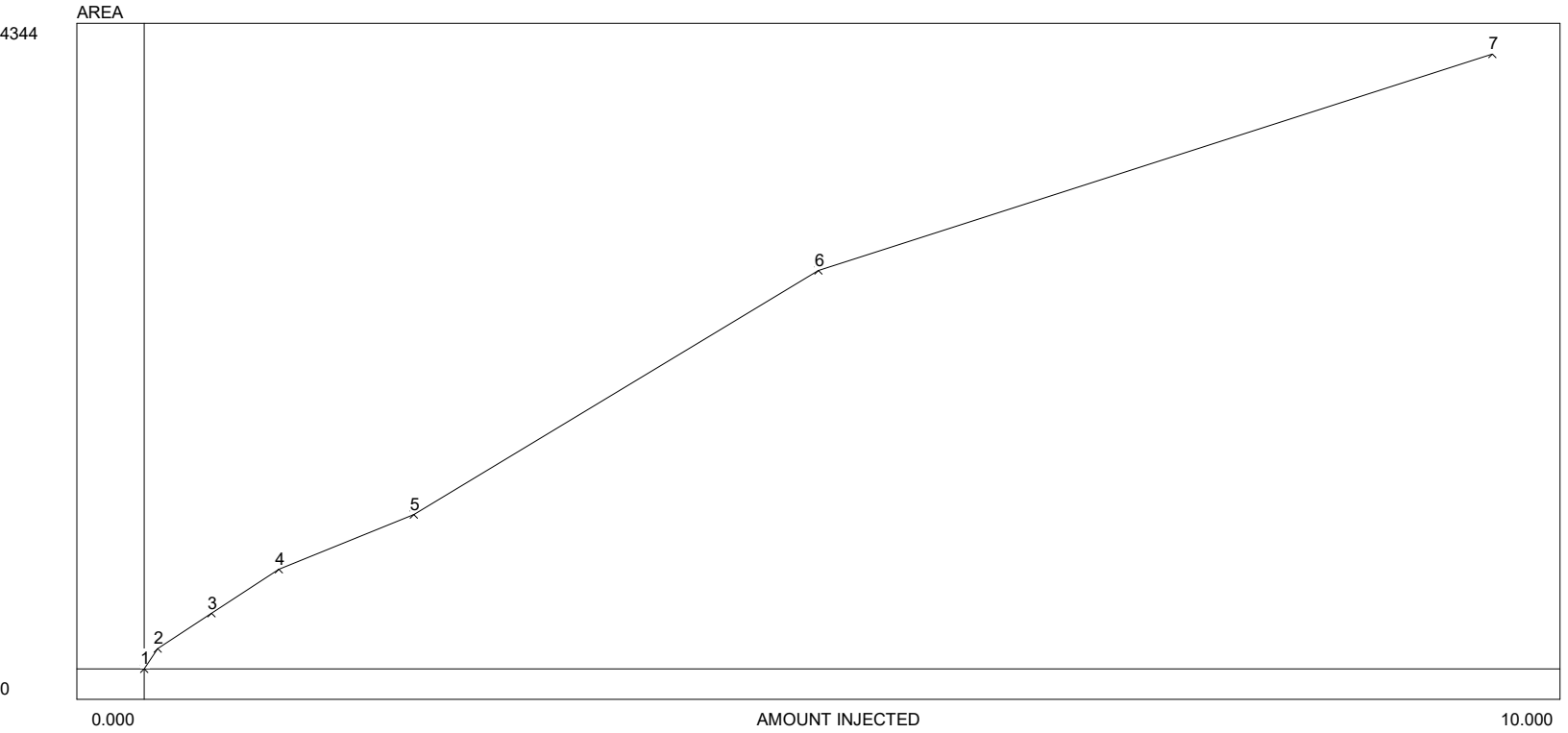
13.2.4 Noise in one or both detector

Noise in the PID detector could suggest a leak or a loose wire to the PID detector. A leak detector can be used to find the source so that it can be corrected. If the noise is in both detectors, the ECD and the PID, the leak will be outside the gas chromatograph.

14.0 References

EPA TO-14ACompendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air Second Edition

Calibration file: C:\Peak489Win10\TCE ECD2 3-1-2023.cal



Avg slope of curve: 656.05
Y-axis intercept: 0.00
Linearity: 0.46
Number of levels: 7
SD/rel SD of CF's: 428.3/67.3
Y=<multi-line>
r2: 1.0000
Last calibrated: Tue May 16 14:01:44 2023

Lvl.	Area/ht.	Amount	CF	Current	Previous #1	Previous #2
1	0.000	0.000	0.000	0.000	N/A	N/A
2	142.000	0.100	1420.000	142.000	N/A	N/A
3	393.000	0.500	786.000	393.000	N/A	N/A
4	704.000	1.000	704.000	704.000	N/A	N/A
5	1090.000	2.000	545.000	1090.000	N/A	N/A
6	2815.000	5.000	563.000	2815.000	N/A	N/A
7	4344.000	10.000	434.400	4344.000	N/A	N/A