July 24, 2026 – Revised September 2, 2026

Ms. Megan Kuczka
Division of Environmental Remediation, Region 9
700 Delaware Avenue, Unit 1409
Buffalo, New York 14209

RE: Sub-Slab Depressurization Evaluation Workplan
Remington Rand Building
184 Sweeney Street
North Tonawanda, New York
NYSDEC BCP Site #C932142
LaBella Project # 2191060

Dear Ms. Kuczka:

As you know, the property known as the Remington Rand Building addressed as 184 Sweeney Street, North Tonawanda, New York, hereafter referred to as the "Site" was remediated through the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) and received a Certificate of Completion on November 30, 2010. Per the contents of the NYSDEC letter dated December 2025, the NYSDEC and New York State Department of Health (NYSDOH) requested the following tasks be completed associated with the sub-slab depressurization system (SSDS) operating at the Site.

1. Pressure testing of the building slab
2. Installation of a manometer on the exhaust stack
3. Indoor air and outdoor air sampling, once pressure testing and the manometer confirms the slab is appropriately depressurized and SSDS is functioning appropriately

Sub-Slab Depressurization Background Summary

Per the contents of the NYSDEC BCP documents prepared for the Site, LaBella Associates, D.P.C. (LaBella) has prepared the following summary related to previous soil vapor and air sampling completed at the Site and the SSDS present at the Site for consideration. For the purposes of this workplan, the following standards, criteria, and guidance (SCG) were utilized.

- NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006, and Soil Vapor/Indoor Air Matrix Tables Addendums dated May 2017 and February 2024, hereinafter collectively referred to as "Soil Vapor/Indoor Air Matrix Values".
- Table 3.1 air guideline values, September 2013: New Ambient Air Guideline for Tetrachloroethene (PCE), and August 2015: New Ambient Air Guideline for Trichloroethene (TCE), hereinafter referred to as "Air Guideline Values".
- NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006 Table C1 NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes Indoor Air Upper Fence Value and Table C2 NYSDOH 2001 Building Assessment and Survey Evaluation (BASE) Database, SUMMA® Canister Method Indoor Air 90th Percentile Value, hereinafter collectively referred to as "Background Database Values".

All historical soil vapor/air sampling locations, the current interior layout of the Site Building, and the location of the SSDS are depicted in the attached Figure 1. Soil vapor and air sampling results for all historical sampling events are summarized within the attached Table 1. A plan detail depicting the SSDS design is included in Appendix A.

1. Per the contents of the November 2010 Remedial Investigation/Alternatives Analysis/Interim Remedial Measures Report (RI/AA/IRM), soil vapor assessment sampling completed within the Site Building in 2009 included collection of seven sub-slab soil vapor samples, four indoor air samples, and one outdoor ambient air sample for volatile organic compounds (VOCs) using United States Department of Environmental Protection (USEPA) method TO-15. Based on the results of the soil vapor assessment, as is detailed within Sections 4.3, 6.3, and 9.2 of the RI/AA/IRM report, soil vapor mitigation through installation of a passive SSDS was recommended by Panamerican Environmental, Inc. (Panamerican) proximate soil vapor samples RR-SA-03 and RR-SA-04 located within the Site Building parking garage.
2. Comparison of the soil vapor assessment results collected in 2009 associated with the RI to current Soil Vapor/Indoor Air Matrix Values revealed that methylene chloride was detected within sub-slab air sample RR-SA-03 [6.3 micrograms per cubic meter (µg/m^3)], sub-slab air sample RR-SA-04 (2.1 µg/m^3), and indoor air sample RR-AA-04 (12 µg/m^3) at concentrations resulting in a recommendation of "Identify Source and Resample or Mitigate". It is worth noting that the indoor air sample RR-AA-04 identified methylene chloride at a concentration of 12 µg/m^3 which is below the Air Guideline Value for methylene chloride of 50 µg/m^3. When compared to current Soil Vapor/Indoor Air Matrix Values and Air Guideline Values, no other soil vapor or air sample collected associated with the 2009 RI identified concentrations above standards or requiring further action.
3. Per the contents of the NYSDEC letter dated September 21, 2018, the fan within the SSDS was permanently energized and has been operated as an active SSDS since January 2019.
4. A total of 12 indoor air samples have been collected from within the Site Building between 2018 and 2024. When compared to Air Guideline Values, none of the indoor air samples collected between 2018 and 2024 detected analytes exceeding Air Guideline Values with the exception of the below:
    a. Indoor air sample IA-01 collected from the Salon tenant space located within southwest portion of the Site Building in 2018 identified trichloroethene (TCE) at 19 µg/m^3 exceeding the Air Guideline Value of 2 µg/m^3. Indoor air samples ID2, ID-5, and ID-8 collected from the Salon tenant space in 2019, 2020, and 2021 respectively did not detect TCE at concentrations exceeding the laboratory method detection limit.
5. VOCs styrene, m/p xylene, 2,2,4-trimethylpentane, methyl ethyl ketone, chloromethane, cyclohexane, dichlorodifluoromethane, 1,1-dichloroethane, 1,2-dichloroethane, isopropyl alcohol, tetrahydrofuran, and ethanol were detected within select indoor air samples collected from within the Site Building at concentrations exceeding Background Database Values; however, none of these analytes were identified as contaminants of concern at the Site or at concentrations requiring monitoring or mitigation when compared to Soil Vapor/Indoor Air Matrix Values. It is likely that interior operations, or construction materials used for interior renovation of Site Building have contributed to the VOCs detected within the indoor air samples collected. For example, as was previously described within the December 9, 2021 Periodic Review Report, concentrations of ethanol detected within indoor air samples collected from ID-7 and ID-8 were attributed to use of cleaning chemical and disinfecting products within the interior spaces from which the indoor air samples were collected. Additionally, indoor air sample RR-AMP-01 was collected subsequent renovation of the entire Site Building and the analytes detected within this sample are consistent with analytes associated with glues, paint, and construction materials.

Scope of Work

LaBella has prepared this workplan detailing the methods by which the SSDS related tasks requested within December 12, 2025 NYSDEC letter will be completed. The primary tasks to be completed consist of the following:

1. In accordance with October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, Section 4.3, pressure field extension testing will be completed proximate the existing SSDS to evaluate the area of influence. Pressure field extension testing will be performed proximate the area targeted for mitigation as defined within the 2009 RI/AA/IRM Report (i.e. proximate sample locations RR-SA-03 and RR-SA-04) and will be limited to within the Parking Garage portion of the Site Building. Pressure field extension testing will be performed by perforating the building slab with a hammer-drill or equivalent and monitoring the negative pressure at each perforation using a digital micro manometer probe. The location and the corresponding negative pressure reading for each pressure field extension test will be documented. Each pressure field extension test location will be screened for detectable VOCs using a photo ionization detector equipped with a 11.7eV lamp and the result documented.
2. Should the results of the pressure field extension testing confirm 0.004 negative water column inches or greater beneath the building slab within the target area, the SSDS will be considered in compliance with NYSDOH SSDS goals. Should the results of the pressure field extension testing identify less than 0.004 negative water column inches within the target area, the NYSDEC will be notified, and measures (e.g. installation of a larger SSDS fan) to improve and subsequently confirm SSDS function implemented.
3. Subsequent confirmation of sufficient SSDS field extension testing results, an oil filled U-Tube style manometer will be installed within the existing SSDS riser and the SSDS retrofitted with an audible alarm designed to activate should the SSDS be deactivated.
4. LaBella will complete an Indoor Air Quality Questionnaire and Building Inventory form for the interior spaces assessed as part of this workplan (i.e. parking garage). Specific focus will be placed on confirming the nature of the heating and air conditioning systems serving the Parking Garage portion of the Site Building.
5. LaBella will utilize summa canisters equipped with laboratory calibrated regulators to collect two indoor air samples and one indoor air field duplicate sample from within the Parking Garage portion of the Site Building and one ambient outdoor air sample for VOCs using USEPA method TO-15 over an eight hour period. One indoor air sample will be collected from proximate the location of RR-SA-03 and one indoor air sample will be collected from proximate the location of RR-SA-04. The indoor air sample field duplicate with be collected from immediately adjacent one of the indoor air samples. The indoor air and field duplicate samples will be collected from a height approximately three feet above the floor. The outdoor air sample will be collected from a representative exterior upwind location at a height of approximately three to five feet above the ground. Air sampling will be completed in conformance with the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York.
6. The air sampling laboratory results will be provided to a third-party for preparation of a Data Usability and Summary Report (DUSR). The DUSR will include the laboratory data summary pages showing corrections made by the data validator and each page will be initialed by the data validator. The laboratory data summary pages will be included even if no changes were made.
7. At the conclusion of the scope of work, a Summary Report will be prepared for the Site. The report will summarize the scope of work completed including a comparison of all site-specific analytical data to the appropriate NYSDEC Guidance Values. In addition, the report will make

recommendations relative to the Site as appropriate. The report will also contain mapping that depicting investigative locations and relevant Site features. The final report will be stamped by a New York State Licensed Professional Engineer.

LaBella will implement this scope of work subsequent approval of this workplan during the 2026-2027 heating season (i.e. between November 15, 2026 and March 31, 2027). Considering laboratory and DUSR turnaround times, it is expected that the entirety of the scope of work can be completed within approximately 8-10 weeks.

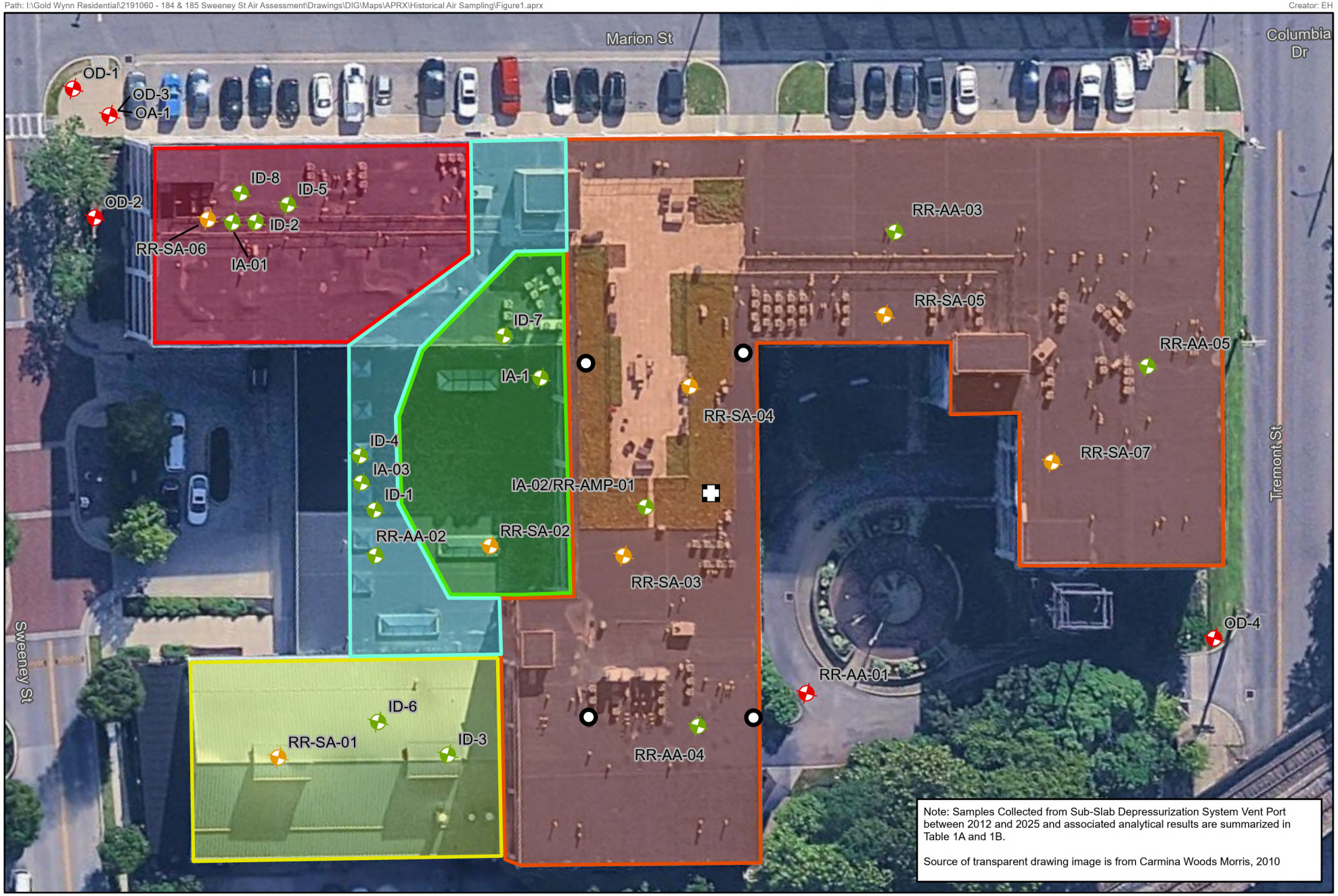
Should you have any questions or comments concerning this work plan, please do not hesitate to contact me via phone at 716-840-2548 or via email at azebrowski@labellapc.com.

Respectfully submitted,

LaBella Associates, D.P.C.

Adam Zebrowski
Vice President
Regional Manager
Environmental Professional

Figure 1



PROJECT # / DRAWING # / DATE:

2191060

Figure 1

9/2/2026

LEGEND:

- Sub-Slab Soil Vapor Sampling Location
- Indoor Air Sampling Location
- Outdoor Air Sampling Location
- Proposed Pressure Field Extension Test Location
- Lobby
- Restaurant
- Golf Simulator and Bar
- Salon
- Parking Garage
- Sub-Slab Depressurization System Vent Port

DRAWING NAME:

Historical Air Sampling and Proposed Pressure Field Extension Test Locations

PROJECT:

Sub-Slab Depressurization Evaluation Work Plan

184 & 185 Sweeney Street
North Tonawanda, New York

0 20 40 Feet

LaBella
Powered by partnership.

Data Source: Google Earth, 2025; LaBella, 2026; Regrid, 2025

Table 1

Table 1B
Remington Lofts
184 Sweeny Street
Summary of Historical Air Sampling Results

Sample ID	ID1	ID2	ID3	OD1	ID-4	ID-5	ID-6	SS Vent Port-1	OD-2	ID-7	0D-3	ID-8	SS Vent Port-2	0D-4	SS Vent Port-3	SS-Vent-01	SS-Port	IA-1	OA-1	SS-1	Table C2 Indoor Air	Table C1 Indoor Air
Sample Date	4/15/2019	4/15/2019	4/15/2019	4/15/2019	1/24/2020	1/24/2020	1/24/2020	1/24/2020	1/24/2020	4/21/2020	4/21/2020	5/7/2021	5/7/2021	5/7/2021	5/20/2022	5/19/2023	5/2/2024	5/2/2024	5/2/2024	5/15/2025		
Sample Location	Indoor	Indoor	Indoor	Outdoor	Indoor	Indoor	Indoor	Vent Port	Outdoor	Indoor	Outdoor	Indoor	Vent Port	Outdoor	Vent Port	Vent Port	Vent Port	Indoor	Outdoor	Vent Port		
Compounds	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
VOCs EPA T0-15																						
Ethylbenzene	ND	0.886	ND	ND	ND	ND	ND	2.25	ND	ND	ND	ND	1.01	ND	1.9	ND	ND	ND	ND	0.96	5.7	6.4
Trichlorofluoromethane	1.16	1.18	ND	ND	1.15	1.15	1.15	1.15	1.12	1.64	1.28	ND	ND	ND	ND	ND	1.26	1.32	1.3	1.62	18.1	12
tert-Butyl alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.89	ND	ND	ND	ND	2.12	ND	ND	ND	NL	NL
Methylene Chloride	ND	ND	ND	1.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.28	ND	ND	3.68	ND	10	16
Benzene	1.28	2.31	0.856	ND	1.57	1.8	1.27	6.55	ND	1.65	ND	1.63	2.55	ND	ND	1.38	1.51	ND	0.792	3.35	9.4	13
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27 J	ND	ND	ND	ND	ND	1.9	1.4
Tetrachloroethylene	ND	ND	0.231	0.353	0.298	0.644	0.298	ND	ND	ND	ND	0.163	ND	0.746	0.21 J	ND	ND	0.380	0.712	ND	15.9	2.5
Toluene	2.47	4.67	1.36	1.19	2.60	2.97	1.96	14.40	0.89	4.41	1.80	4.56	6.93	ND	12.00	3.81	4.41	1.67	4.33	8.10	43	57
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.6	2.5
Trichloroethene	0.199	ND	ND	0.15	ND	ND	0.129	ND	ND	ND	ND	ND	ND	0.226	0.18 J	ND	ND	0.253	ND	1.27	4.2	0.5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	3.01	ND	ND	ND	ND	1.03	ND	1.9	ND	1.5	ND	ND	1.03	9.5	9.8
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59 J	ND	ND	ND	ND	ND	3.7	3.9
o-Xylene	ND	1.08	ND	ND	ND	ND	ND	3.04	ND	ND	ND	ND	1.23	ND	2.3	ND	2.08	ND	ND	1.57	7.9	7.1
m/p xylene	ND	2.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.64	ND	ND	3.59	22.2	11
1,1,2-Trichlorotrifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL	NL
2,2,4-Trimethylpentane (Iso-octane)	ND	1.59	ND	ND	ND	1.01	ND	6.59	ND	1.35	ND	47.6	2.34	ND	3.8	1.41	11.3	ND	ND	8.17	NL	5
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.02	ND	NL	NL
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL	16
Methyl Isobutyl Ketone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL	1.9
Carbon Tetrachloride	0.415	0.409	0.421	0.453	0.484	0.604	0.491	ND	0.522	0.579	0.554	0.39	ND	0.371	0.33	ND	ND	0.478	1.72	ND	<1.3	1.3
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.36	NL	NL
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.2	ND	1.1	1.2
Chloromethane	1.23	1.2	1.16	1.15	0.927	0.896	0.962	0.861	0.938	1.3	1.14	0.989	0.964	0.975	0.83 J	0.541	0.725	1.06	2.48	1.21	3.7	4.2
Cyclohexylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL	NL
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.926	ND	ND	ND	ND	1.9	ND	0.991	ND	ND	1.94	1.3	6.3
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.7	0.4
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.9	0.4
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.55	ND	5.5	1.2
4-ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6	NL
Acetone	2.49	5.49	6.15	ND	5.87	3.4	4.44	4.94	4.16	7.27	2.92	12.6	6.2	4.66	12	14.7	31.8	7.17	28.5	22.7	98.9	115
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2	NL
Ethyl acetate	ND	ND	ND	7.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.76	ND	ND	2.31	ND	5.4	NL
Freon 11 (Trichlorofluoromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	ND	18.1	12
Freon 12 (Dichlorodifluoromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.5	10
n-Heptane	ND	ND	ND	ND	ND	ND	ND	1.76	ND	1.38	ND	0.82	1	ND	1.8	ND	1.76	ND	ND	2.21	NL	18
Isopropyl alcohol (2-Propanol)	ND	ND	5.21	ND	22.0	3.4	7.9	7.2	ND	10.1	ND	600.0	38.1	2.3	7.4 J	19.0	1.5	1.4	21.2	13.0	250	NL
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.5	14
Tetrahydrofuran	ND	ND	ND	8.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.83	ND	ND	NL	0.8
Ethanol	52.9	49.2	174	27.5	57.7	29.6	203	174	ND	936	18	1,480	275	12.3	ND	122	24.5	11.6	266	44.5	210	1,300
n-Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.733	ND	ND	2.5	ND	ND	ND	ND	ND	10.2	14
cis-1,2-Dichloroethene	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.202	ND	ND	ND	ND	ND	ND	<1.9	0.4

N/A - Not Applicable ND - Non-detect NA- Not analyzed NL- Not listed
J - the reported result is an estimate
ug/m3 - micrograms per cubic meter
NL = Not listed

Table C2 Indoor Air = Table C2 NYSDOH 2001 Building Assessment and Survey Evaluation (BASE) Database, SUMMA® Canister Method Indoor Air 90th Percentile Value
Table C1 Indoor Air = Table C1 NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes Indoor Air Upper Fence Value
* Reported laborotry result per tables inlcuded in BCP documents contained within the NYSDEC documents repostory

Table 1A
Remington Lofts
184 Sweeny Street
Summary of Historical Air Sampling Results

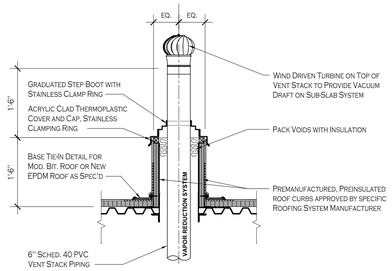
Sample ID	RR-AA-01	RR-AA-02	RR-AA-03	RR-AA-04	RR-AA-05	RR-SA-01	RR-SA-02	RR-SA-03	RR-SA-04	RR-SA-05	RR-SA-06	RR-SA-07	RR-AMP-01	RR-PVC-01	JC573-1	SS-01	S2-01	1A-01	1A-02	1A-03	Table C2 Indoor Air	Table C1 Indoor Air
Sample Date	5/12/2009	5/12/2009	5/12/2009	5/12/2009	5/12/2009	5/12/2009	5/12/2009	5/12/2009	5/12/2009	5/12/2009	5/12/2009	5/12/2009	9/13/2012	9/13/2012	7/31/2015	6/28/2018	8/27/2018	11/21/2018	11/21/2018	11/21/2018		
Sample Location	Outdoor	Indoor	Indoor	Indoor	Indoor	SubSlab	SubSlab	SubSlab	SubSlab	SubSlab	SubSlab	SubSlab	Indoor	Vent Port	Vent Port	Vent Port	Vent Port	Indoor	Indoor	Indoor		
Compounds	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
VOCs EPA T0-15																						
Ethylbenzene	ND	ND	0.38	0.44	ND	1.5	11	4.4	3.7	4.7	7.2	6	4.2	0.61	3	6.4	2.6	0.69	3.3	3.3	5.7	6.4
Trichlorofluoromethane	1.4	1.4	2.2	1.9	2.1	83	2.2	2	2	8.9	5.8	2.7	ND	ND	1.7	ND	ND	ND	ND	ND	18.1	12
tert-Butyl alcohol	ND	ND	ND	ND	ND	L2*	4.1	3.8	5	5.6	62	9.7	ND	ND	0.7	ND	ND	ND	ND	ND	NL	NL
Methylene Chloride	9.3	1.2	2.2	12	2.1	13	3.4	6.3	2.1	11	3.4	1.5	1.2	0.22	1.9	1.8	ND	0.63	ND	0.42	10	16
Benzene	0.57	1.4	1.2	1.1	0.67	33	84 E	2.9	1.4	3.7	5.8	1.5	1.9	0.49	9.3	8.9	6	1.3	5.7	5.6	9.4	13
Styrene	ND	ND	9.3	ND	ND	ND	1.7	0.57	1.6	470 E	5	1	2	0.27	2	1.1	1.4	ND	0.47	ND	1.9	1.4
Tetrachloroethylene	ND	ND	ND	ND	ND	8	6.3	9	5.7	5.7	13	ND	0.27	ND	7.5	1.4	30	ND	ND	ND	15.9	2.5
Toluene	1.6	2.6	2.6	2.5	1.4	1	55	62	6	5.5	23	7.9	42	3	50.9	96	110	25	15	14	43	57
1,1,1-Trichloroethane	ND	ND	ND	0.54	ND	1.5	8.2	670 E	92	2.8	1.5	5.8	ND	ND	11	ND	ND	ND	ND	ND	20.6	2.5
Trichloroethene	ND	0.32	ND	0.74	ND	2.1	ND	4.0	3.8	0.64	0.37	ND	0.5	0.09	3.3	65	63	19	1.7	0.54	4.2	0.5
1,2,4-Trimethylbenzene	ND	ND	0.56	0.53	ND	1.4	15	2.5	2.1	3.1	4.9	2.5	1	0.37	4.6	9.8	7.3	0.93	4.5	4.5	9.5	9.8
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.58	9.2	0.97	0.95	1.4	3	0.94	0.41	0.15	1.5	3.3	2.2	ND	1.3	1.2	3.7	3.9
o-Xylene	ND	ND	0.55	0.58	ND	1.9	2.4	8.5	5.7	5	8.7	9.6	1.9	0.32	4.3	6.9	2.7	0.91	4	4	7.9	7.1
m/p xylene	0.92	0.62	1.5	1.4	0.71	8.2	48	18	17	18	35	27	6.4	1.4	11	13	8.5	2.1	12	12	22.2	11
1,1,2-Trichlorotrifluoroethane	ND	ND	0.69	ND	ND	0.67	0.63	ND	0.63	0.75	0.63	0.72	ND	ND	ND	ND	ND	ND	ND	ND	NL	NL
2,2,4-Trimethylpentane (Iso-octane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	5.9	2.8	0.79	6.2	6	NL	5
Bromodichloromethane	ND	ND	ND	ND	ND	0.6	ND	ND	ND	15	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL	NL
Methyl Ethyl Ketone	1.6	1	1.2	2	3.7	4.3	16	8.2	8.7	7.4	12	13	80	4.6	3.2	46	22	2.7	1.7	1.6	NL	16
Methyl Isobutyl Ketone (MIBK)	ND	ND	ND	ND	ND	ND	2.2	ND	ND	ND	2.9	L2*	ND	ND	1.9	1.5	7.7	ND	0.61	0.53	NL	1.9
Carbon Tetrachloride	0.66 J	0.67 J	0.85 J	0.82 J	0.84 J	0.75 J	0.62 J	0.84 J	0.7 J	1.5 J	0.73 J	1.4 J	0.15	0.73	ND	ND	ND	0.57	0.5	0.57	<1.3	1.3
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	NL	NL
Chloroform	ND	ND	ND	ND	ND	3.2	0.5	2.1	2.8	120	9.5	0.42	0.22	ND	ND	3	0.59	ND	ND	ND	1.1	1.2
Chloromethane	0.82	0.89	1.3	13	1.5	ND	0.78	3.8	ND	ND	0.48	ND	0.61	0.15	0.5	0.83	0.39	0.74	0.76	0.74	3.7	4.2
Cyclohexylamine	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL	NL
Cyclohexane	ND	ND	ND	ND	ND	ND	17	19	12	5	15	34	ND	ND	4.5	3	6.1	18	3.6	2.2	1.3	6.3
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	NO	1.5	57	ND	ND	ND	0.96	0.16	ND	ND	ND	ND	ND	ND	<0.7	0.4
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	0.19	ND	ND	0.49	ND	ND	ND	<0.9	0.4
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	1.2
4-ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.98	0.22	1.2	ND	1.7	ND	1.2	1.3	3.6	NL
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	360	46	30.2	68	68	21	25	25	98.9	115
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	1.1	0.9	ND	ND	ND	ND	ND	4.2	NL
Ethyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6	0.72	ND	18	9.4	2	1.1	0.97	5.4	NL
Freon 11 (Trichlorofluoromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	1.2	1.5	1.5	1.3	18.1	12
Freon 12 (Dichlorodifluoromethane)	2.2	23	2.6	2.6	2.8	4	2.9	2.6	1.3	3.1	2.8	2.3	0.59	0.14	ND	2.6	2	2.4	2.5	2.5	16.5	10
n-Heptane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.7	1.7	5.4	5.5	0.82	3.4	3.4	NL	18
Isopropyl alcohol (2-Propanol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	1.8	4.9	52	73	6.1	5.4	4.6	250	NL
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	0.25	ND	ND	0.68	ND	ND	ND	11.5	14
Tetrahydrofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	0.22	1.2	ND	ND	ND	ND	ND	NL	0.8
Ethanol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.5	ND	ND	ND	ND	ND	210	1,300
n-Hexane	ND	0.82	ND	1.1	ND	1.3	14	7.9	2.3	5.7	26	4.6	ND	ND	4.2	61	12	4	4.3	4.1	10.2	14
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.9	0.4

N/A - Not Applicable ND - Non-detect NA- Not analyzed NL- Not listed
J - the reported result is an estimate
ug/m3 - micrograms per cubic meter
NL = Not listed

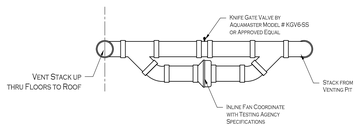
= Analyte detected within indoor air sample at concentration above Table C2 Indoor Air Value
= Analyte detected within indoor air sample at concentration above Table C1 Indoor Air Value
= Analyte detected within indoor air sample at concentration above Table C2 and C1 EPA Indoor Air Value

Table C2 Indoor Air = Table C2 NYSDOH 2001 Building Assessment and Survey Evaluation (BASE) Database, SUMMA® Canister Method Indoor Air 90th Percentile Value
Table C1 Indoor Air = Table C1 NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes Indoor Air Upper Fence Value
* Reported laborotry result per tables inlcuded in BCP documents contained within the NYSDEC documents repostory

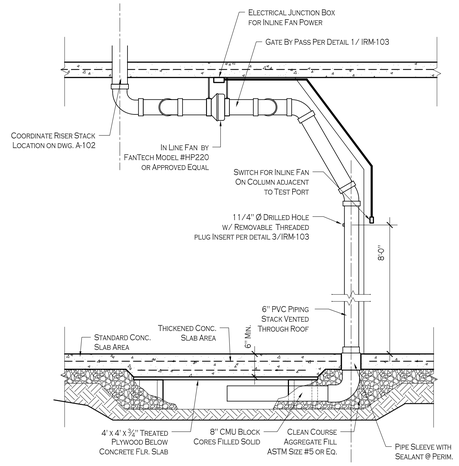
Appendix A



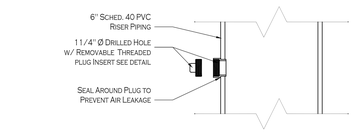
1 VENT STACK ROOF PENETRATION
IRM-103 — 3/4"=1'-0"



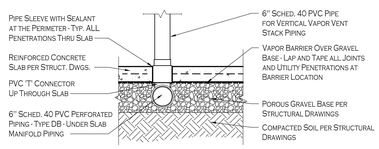
2 INLINE FAN BYPASS PLAN
IRM-103 — 1"=1'-0"



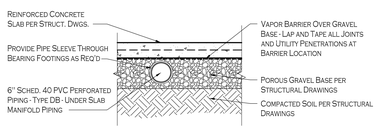
3 VAPOR VENTING PIT / RISER SECTION
IRM-103 — 3/4"=1'-0"



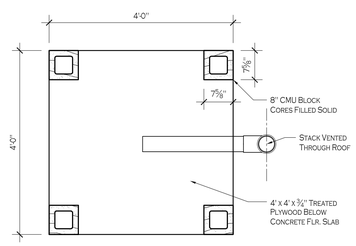
4 TEST PORTAL DETAIL
IRM-103 — 3"=1'-0"



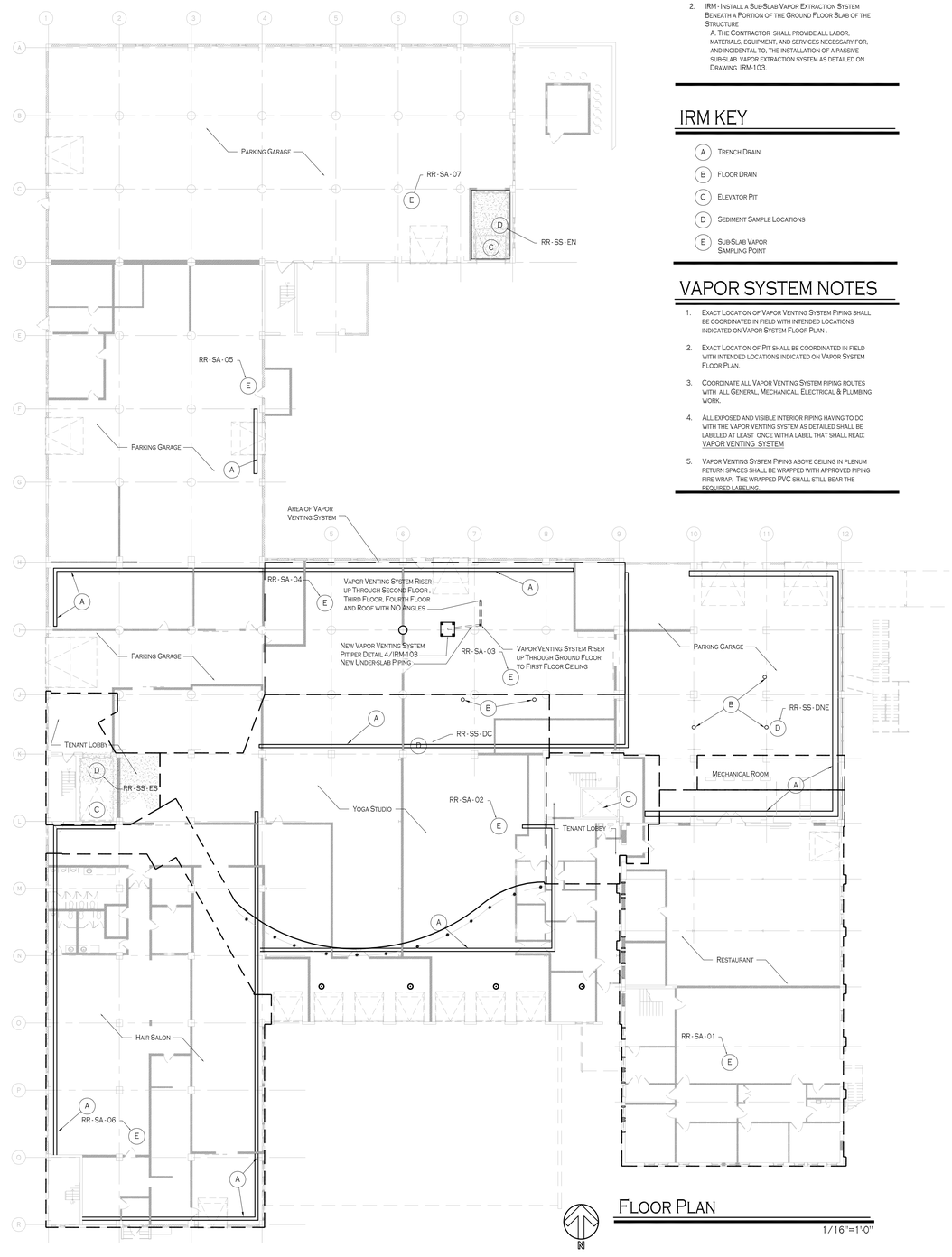
5 TYP. PIPE/CONDUIT PENETRATION
IRM-103 — 3/4"=1'-0"



7 TYP. UNDERSLAB MANIFOLD PIPING
IRM-103 — 3/4"=1'-0"



6 VAPOR VENTING PIT PLAN
IRM-103 — 3/4"=1'-0"



FLOOR PLAN
1/16"=1'-0"

IRM GENERAL NOTES

1. IRM - REMOVE SEDIMENTS AND CLEAN BUILDING FLOOR DRAINS AND ELEVATOR SHAFT PITS.
   A. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR AND INCIDENTAL TO, THE CLEANING OF INTERIOR BUILDING FLOOR DRAINS/TRENCHES AND ELEVATOR SHAFT PITS AS DETAILED ON DRAWING IRM-100. THIS INCLUDES, BUT IS NOT LIMITED TO, REMOVING AND PROPERLY DISPOSING OF POTENTIALLY CONTAMINATED SEDIMENTS AND/OR SOILS AND THE ABANDONMENT OF EXISTING INLET OR OUTLET PIPES IN A ACCORDANCE WITH NYSDEC REQUIREMENTS. THIS INCLUDES PLUGGING INLET OR OUTLET PIPES WITH CEMENT GROUT.
2. IRM - INSTALL A SUB-SLAB VAPOR EXTRACTION SYSTEM BENEATH A PORTION OF THE GROUND FLOOR SLAB OF THE STRUCTURE
   A. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR, AND INCIDENTAL TO, THE INSTALLATION OF A PASSIVE SUB-SLAB VAPOR EXTRACTION SYSTEM AS DETAILED ON DRAWING IRM-103.

IRM KEY

- (A) TRENCH DRAIN
- (B) FLOOR DRAIN
- (C) ELEVATOR PIT
- (D) SEDIMENT SAMPLE LOCATIONS
- (E) SUB-SLAB VAPOR SAMPLING POINT

VAPOR SYSTEM NOTES

1. EXACT LOCATION OF VAPOR VENTING SYSTEM PIPING SHALL BE COORDINATED IN FIELD WITH INTENDED LOCATIONS INDICATED ON VAPOR SYSTEM FLOOR PLAN .
2. EXACT LOCATION OF PIT SHALL BE COORDINATED IN FIELD WITH INTENDED LOCATIONS INDICATED ON VAPOR SYSTEM FLOOR PLAN.
3. COORDINATE ALL VAPOR VENTING SYSTEM PIPING ROUTES WITH ALL GENERAL, MECHANICAL, ELECTRICAL & PLUMBING WORK.
4. ALL EXPOSED AND VISIBLE INTERIOR PIPING HAVING TO DO WITH THE VAPOR VENTING SYSTEM AS DETAILED SHALL BE LABELED AT LEAST ONCE WITH A LABEL THAT SHALL READ: VAPOR VENTING SYSTEM
5. VAPOR VENTING SYSTEM PIPING ABOVE CEILING IN PLENUM RETURN SPACES SHALL BE WRAPPED WITH APPROVED PIPING FIRE WRAP. THE WRAPPED PVC SHALL STILL BEAR THE REQUIRED LABELING.

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REVISIONS:

No.	Description	Date
1	Addendum #1	02.01.2010

PROJECT NAME:
Renovation & New Construction
Remington Lofts on the Canal
184 Sweeney Street
North Tonawanda
New York, 14210

Issued for Construction:
Municiplity Submission:
Drawn by: P. Lang
Scale: As Noted

DRAWING NAME:
Vapor System / Drain Cleaning Plan & Details

DRAWING NO.
IRM-103

Project no.: 07.092