



VICINITY MAP
NOT TO SCALE



NEW YORK



**Department of
Environmental
Conservation**

210 WALNUT STREET
LOCKPORT, NY

OCTOBER 2023

RAMBOLL

CERTIFICATE OF AUTHORIZATION: 17993
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

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IT IS A VIOLATION OF LAW FOR ANY
PERSON UNLESS ACTING UNDER THE
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ENGINEER TO ALTER THIS DOCUMENT.

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**PRELIMINARY
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CONSTRUCTION**
DATE: OCTOBER 2023

P.E. REGISTRATION
EXPIRES 04/20/2024



**Department of
Environmental
Conservation**

CLIENT			
NEW YORK STATE OF OPPORTUNITY			
Department of Environmental Conservation			
A NO.	10/26/2023 DATE	ISSUED FOR CLIENT REVIEW REVISION	BAK INT.

B.KUBIAK
DESIGNED BY
M.MELLEN
CHECKED BY
J.CAVOTTA
DRAWN BY
M.MCCARTHY

PROJECT NO.
1940102945-002
DATE
OCTOBER 2023

CERTIFICATE OF AUTHORIZATION: 17993
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
333 W. WASHINGTON ST. SYRACUSE, NY 13202



PROJECT
HARRISON PLACE VAPOR
INTRUSION MITIGATION
ADDRESS
210 WALNUT ST, LOCKPORT NY, 14094

SHEET DESCRIPTION
GENERAL NOTES AND LEGEND
DRAWING LOCATION
LOCKPORT, NY

G-001

LEGEND:

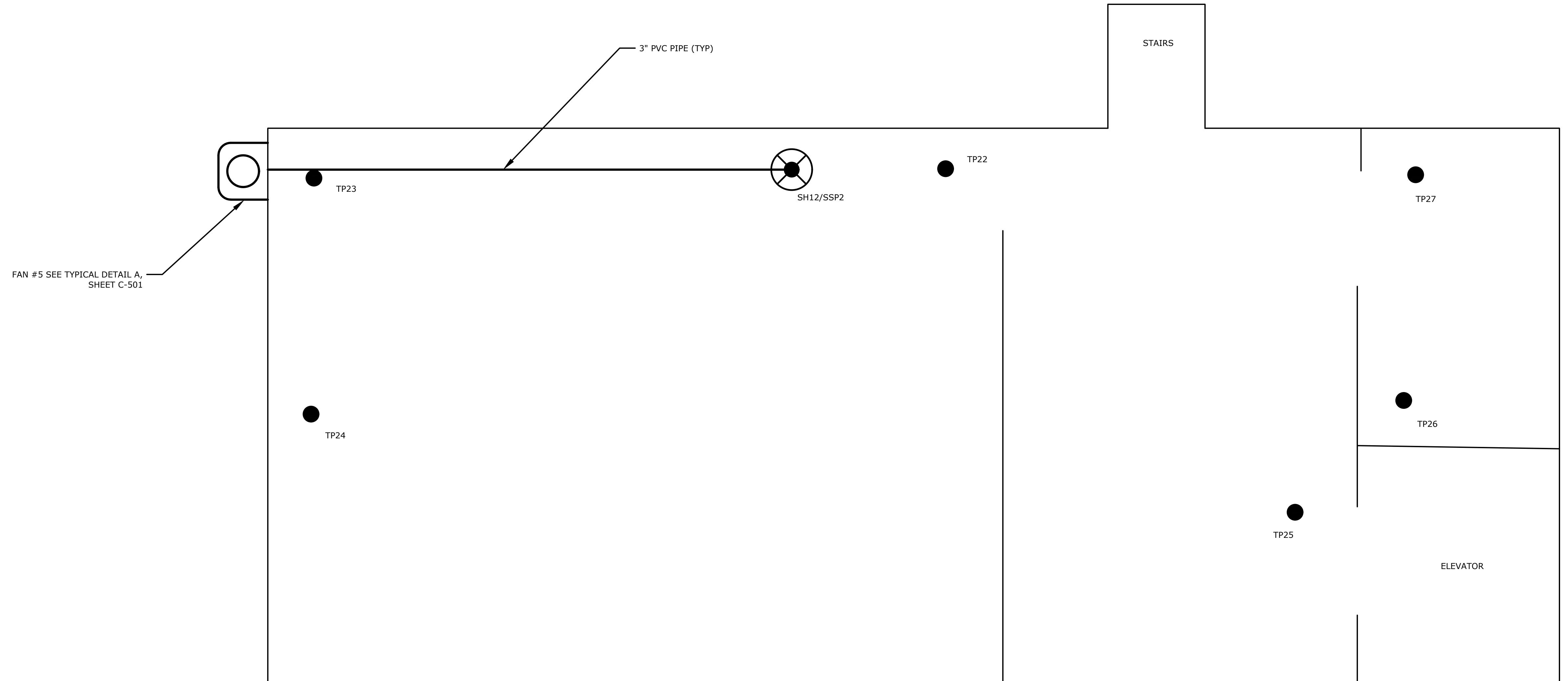
- SYSTEM SUCTION POINT (SSP)
- TEST POINT
- ELECTRIC PANEL
- COLUMN
- FAN
- CRAWL SPACE
- RAIL TRACKS
- SOLID PVC PIPE

GENERAL NOTES:

1. DIMENSIONS AND INSTALLATION LOCATIONS SHOWN ON CONTRACT DRAWINGS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR.
2. CONTRACTOR SHALL GROUT AND/OR SEAL ALL VISIBLE CRACKS AND OPENINGS IN BELOW GRADE FLOORS OR WALLS THAT WOULD IMPAIR SYSTEM PERFORMANCE.
3. CONTRACTOR SHALL VERIFY LOCATION OF ALL FLOOR DRAINS. IF FLOOR DRAINS ARE NOT CONNECTED TO A SEWER, THE ENGINEER SHALL BE NOTIFIED AND DRAIN VALVES (E.G. DRAINER DRAIN VALVE) SHALL BE INSTALLED.
4. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL TIE-IN LOCATION. ALL FAN BREAKERS SHALL BE LABELED AS "SSDS FAN NO. ____" ON THE PANEL.
5. ALL WORK SHALL BE IN GENERAL CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN NEW YORK STATE (OCTOBER 2006) AND IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS.
6. ALL COMPONENTS OF THE SUBSLAB DEPRESSURIZATION SYSTEM ABOVE THE FLOOR SLAB SHALL BE LABELED AT 25-FOOT INTERVALS WITH THE FOLLOWING MESSAGE "THIS IS A COMPONENT OF A SUBSLAB DEPRESSURIZATION SYSTEM. DO NOT ALTER OR DISCONNECT." PROVIDE THIS LABEL ON ALL VERTICAL SYSTEM SUCTION POINT RISERS AT AN ELEVATION OF APPROXIMATELY 3 TO 5 FEET ABOVE FINISHED FLOOR.
7. CONTRACTOR SHALL AFFIX A LABEL ON ALL VERTICAL SYSTEM SUCTION POINT RISERS AT AN ELEVATION OF APPROXIMATELY 3 TO 5 FEET ABOVE FINISHED FLOOR IDENTIFYING THE DATE OF INSTALLATION AND A BLANK LINE FOR THE ENGINEER TO PROVIDE A PHONE NUMBER IN CASE OF EMERGENCY.
8. SHOULD GROUNDWATER BE ENCOUNTERED DURING CONSTRUCTION, CONTRACTOR SHALL CONTAINERIZE WATER GENERATED OR ENCOUNTERED IN DOT APPROVED DRUMS. DRUMS SHALL BE STORED ON SITE IN A LOCATION APPROVED BY THE OWNER AND ENGINEER.
9. CONTRACTOR SHALL CONTAINERIZE ALL CONCRETE, SOIL, AND AGGREGATE SPOILS IN DOT-APPROVED DRUMS. DRUMS SHALL BE STORED ON SITE IN A LOCATION APPROVED BY THE OWNER AND ENGINEER.
10. A LIMITED HAZARDOUS BUILDING MATERIALS SURVEY HAS BEEN PERFORMED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL BUILDING MATERIAL SAMPLING IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF LABOR (NYSDOL) CODE RULE 56 AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS, THE CONTRACTOR'S OWN HEALTH AND SAFETY PLAN, AND PER SITE-SPECIFIC SAFETY REQUIREMENTS.
11. PIPE ALIGNMENT SHALL BE FIELD VERIFIED FOR UTILITY CONFLICTS AND FIELD ROUTED AROUND EXISTING UTILITIES. SHOULD PVC PIPE CONTAIN A BELLY, TO MINIMIZE CONDENSATE ACCUMULATION INSIDE PIPE THE BELLY SHALL BE CONNECTED TO AN EXISTING OR NEW SYSTEM SUCTION POINT.
12. PIPE SUPPORTS SHALL NOT BE AFFIXED TO DECAYED OR DAMAGED CONCRETE. IF DAMAGED OR DECAYED CONCRETE IS OBSERVED, ENGINEER SHALL BE CONSULTED PRIOR TO INSTALLATION OF PIPE SUPPORTS.
13. EXTERIOR PIPES AND FANS SHALL NOT INTERFERE WITH EXISTING WINDOWS, DOORS, AND OPENINGS AND SHALL BE AFFIXED TO COLUMNS WHERE POSSIBLE AS DETERMINED BY THE CONTRACTOR AND PROPERTY OWNERS REPRESENTATIVE.
14. EXTERIOR FANS AND PIPING SHALL BE PAINTED TO MATCH EXTERIOR PAINT. PAINT COLOR TO BE CONFIRMED BY PROPERTY OWNERS REPRESENTATIVE.
15. INTERIOR WALL PENETRATIONS SHOULD BE REPAIRED AND PAINTED TO MATCH EXISTING CONDITIONS. UNFINISHED OR DAMAGED DRY WALL RESULTING FROM THIS WORK SHALL NOT REMAIN.
16. SHOULD ANY WORK BE PERFORMED FROM THE ROOF, ALL EXISTING ROOFING SHALL BE PROTECTED AND ANY DAMAGE SHALL BE REPAIRED IN KIND.
17. ALL EXISTING AND PROPOSED UTILITIES SHOWN ON THESE DRAWINGS ARE CONSIDERED APPROXIMATE AND SHALL BE FIELD VERIFIED. CONTRACTOR SHALL CONFIRM UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

PROJECT ROLES:

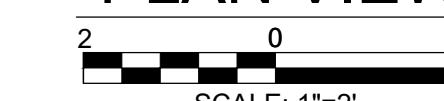
1. CONTRACTOR - NYSDEC SELECTED CONTRACTOR
2. PROPERTY OWNER'S REPRESENTATIVE - FACILITIES PROPERTY MANAGER
3. RESPONSIBLE PARTY - NYSDEC
4. ENGINEER - RAMBOLL AMERICAS ENGINEER SOLUTIONS INC.



DRAWING NOTES:

1. COMMUNICATION TEST SUCTION HOLES (SH) WERE USED DURING COMMUNICATIONS TESTING TO EVALUATE CONNECTIVITY BETWEEN TEST POINTS (TP) AND SH. SYSTEM SUCTION POINTS (SSP) WERE SELECTED AS DESIGN SUCTION POINTS BASED ON COMMUNICATION TEST RESULTS. SSP RESULTS ARE SUMMARIZED IN THE TABLE TITLED "COMMUNICATION TEST RESULTS" ON SHEET C-106.

PLAN VIEW



SCALE: 1' = 2'

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DATE: OCTOBER 2023

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CLIENT
NEW YORK STATE OF OPPORTUNITY
Department of Environmental Conservation

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NO.	DATE	REVISION	INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
B. KUBIAK
DESIGNED BY M. MELLEN
CHECKED BY J. CAVOTTA
DRAWN BY M. MCCARTHY

PROJECT NO. 1940102945-002
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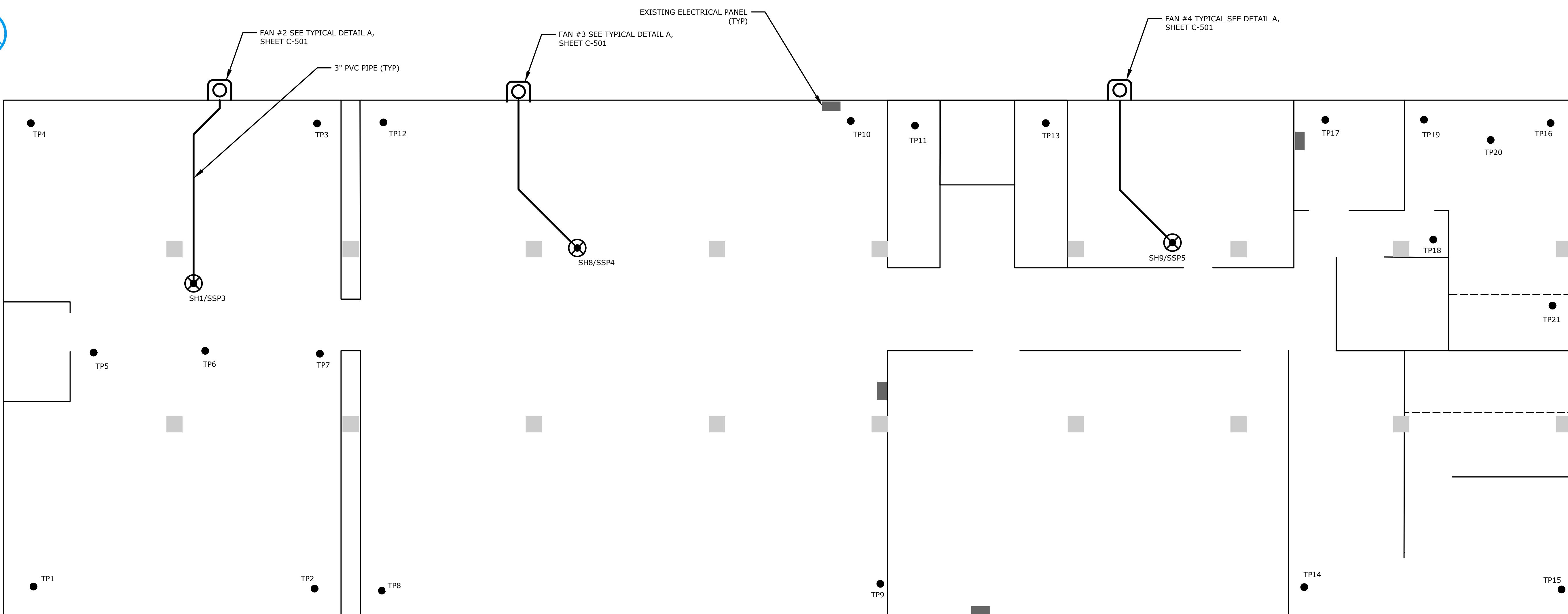


PROJECT
HARRISON PLACE VAPOR
INTRUSION MITIGATION
ADDRESS
210 WALNUT ST, LOCKPORT NY, 14094

SHEET DESCRIPTION
BUILDING 1 ENTRANCE PLAN
DRAWING LOCATION
LOCKPORT, NY

DRAWING NOTES:

1. WHERE APPLICABLE, WALL PENETRATION SHALL UTILIZE PLYWOOD WALLS, AND/OR WINDOWS.
2. COMMUNICATION TEST SUCTION HOLES (SH) WERE USED DURING COMMUNICATIONS TESTING TO EVALUATE CONNECTIVITY BETWEEN TEST POINTS (TP) AND SH. SYSTEM SUCTION POINTS (SSP) WERE SELECTED AS DESIGN SUCTION POINTS BASED ON COMMUNICATION TEST RESULTS. SSP RESULTS ARE SUMMARIZED IN THE TABLE TITLED "COMMUNICATION TEST RESULTS" ON SHEET C-106.



WASHBURN ST

PLAN VIEW

5 0 5
SCALE: 1'=5'

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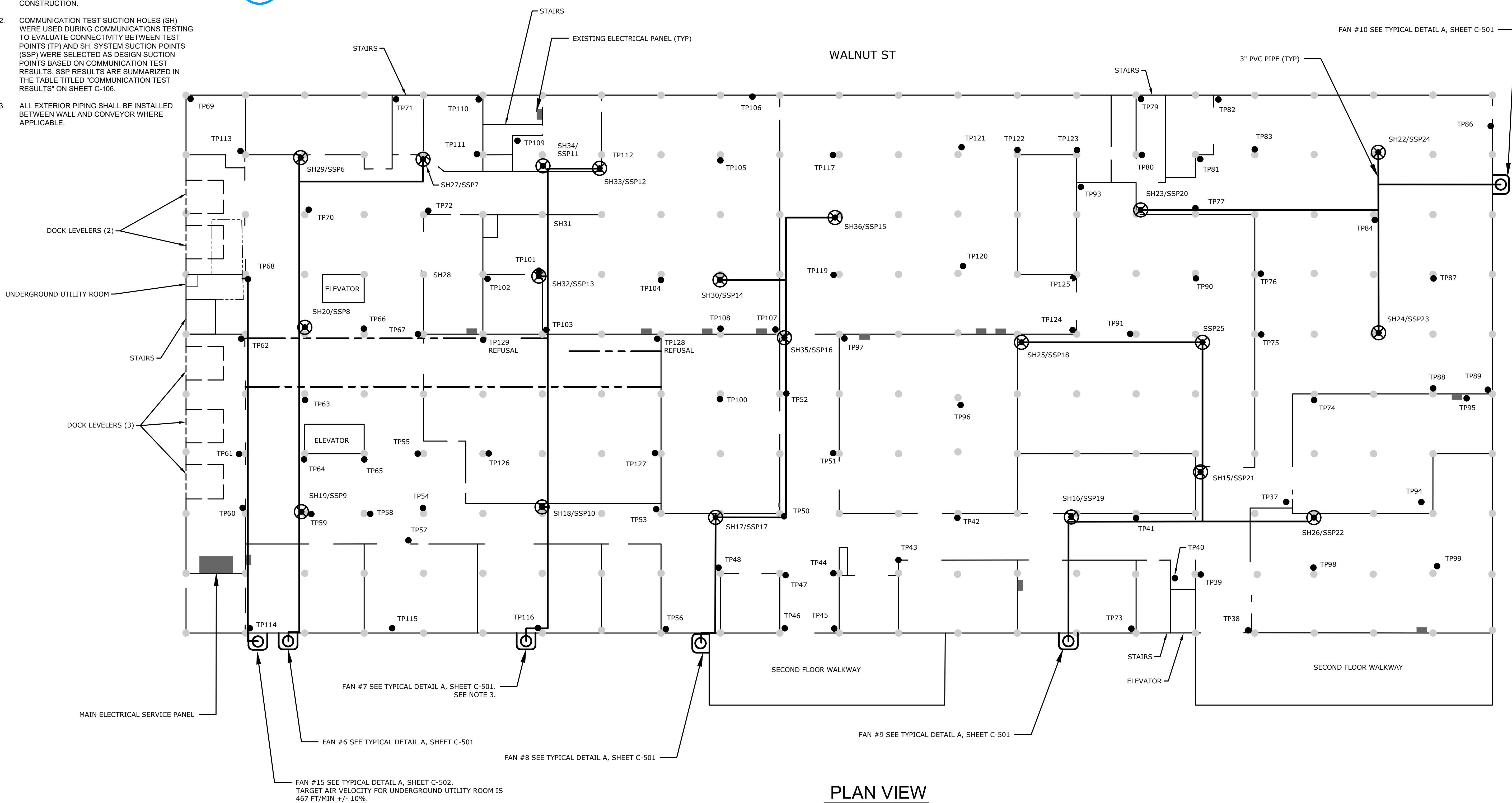
PROJECT
HARRISON PLACE VAPOR
INTRUSION MITIGATION
ADDRESS
210 WALNUT ST, LOCKPORT NY, 14094

SHEET DESCRIPTION
BUILDING 1 BASEMENT PLAN
DRAWING LOCATION
LOCKPORT, NY

C-103

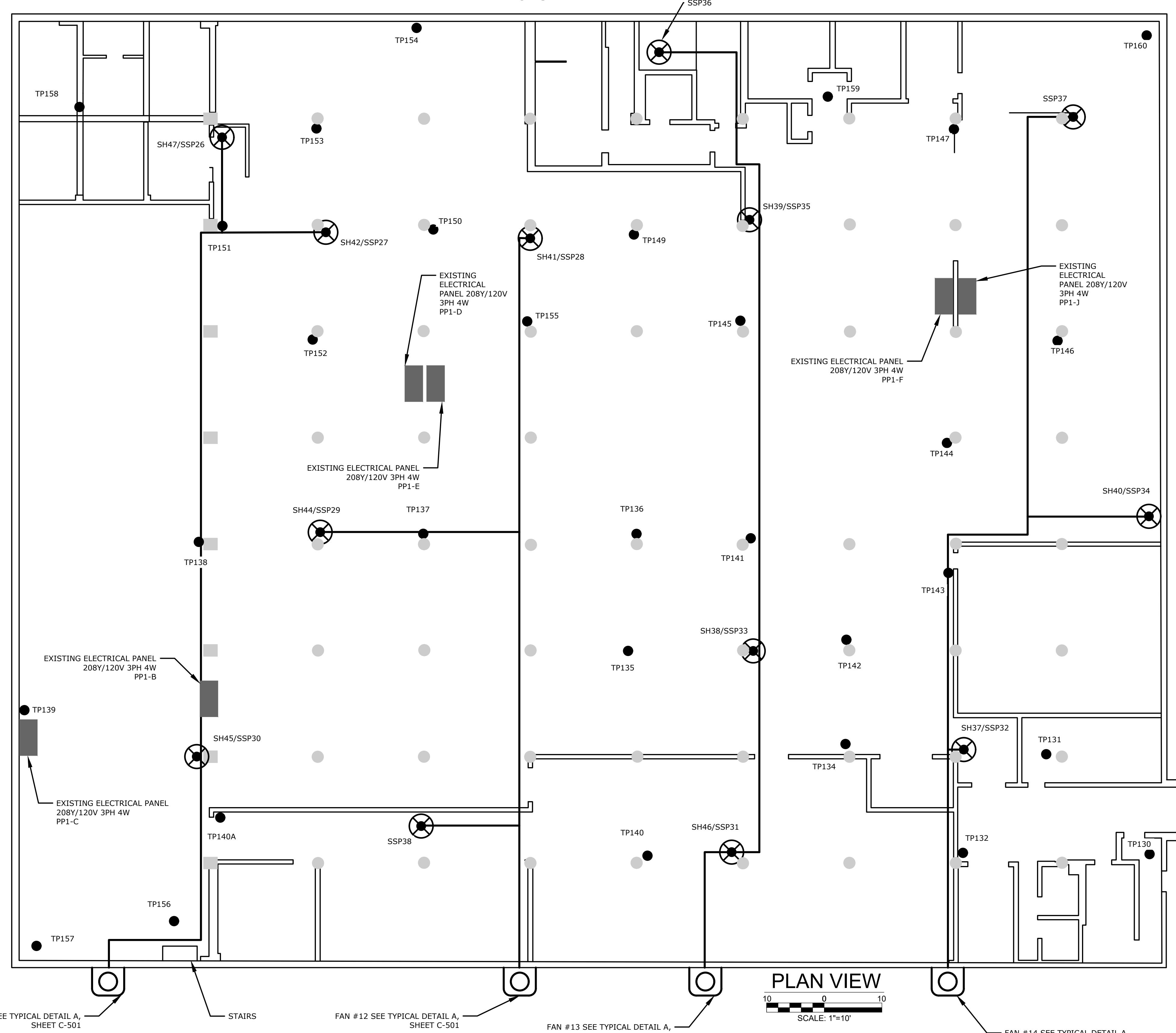
DRAWING NOTES:

1. DURING WORK NEAR ELECTRICAL BUS DUCTS, BUS DUCTS SHALL BE PROTECTED AND/OR DE-ENERGIZED. EXACT ALIGNMENT OF BUS DUCTS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
2. COMMUNICATION TEST SUCTION HOLES (SH) WERE USED DURING COMMUNICATIONS TESTING TO EVALUATE CONNECTIVITY BETWEEN TEST POINTS (TP) AND SH. SYSTEM SUCTION POINTS (SSP) WERE SELECTED AS DESIGN SUCTION POINTS BASED ON COMMUNICATION TEST RESULTS. SSP RESULTS ARE SUMMARIZED IN THE TABLE TITLED "COMMUNICATION TEST RESULTS" ON SHEET C-106.
3. ALL EXTERIOR PIPING SHALL BE INSTALLED BETWEEN WALL AND CONVEYOR WHERE APPLICABLE.





WALNUT ST

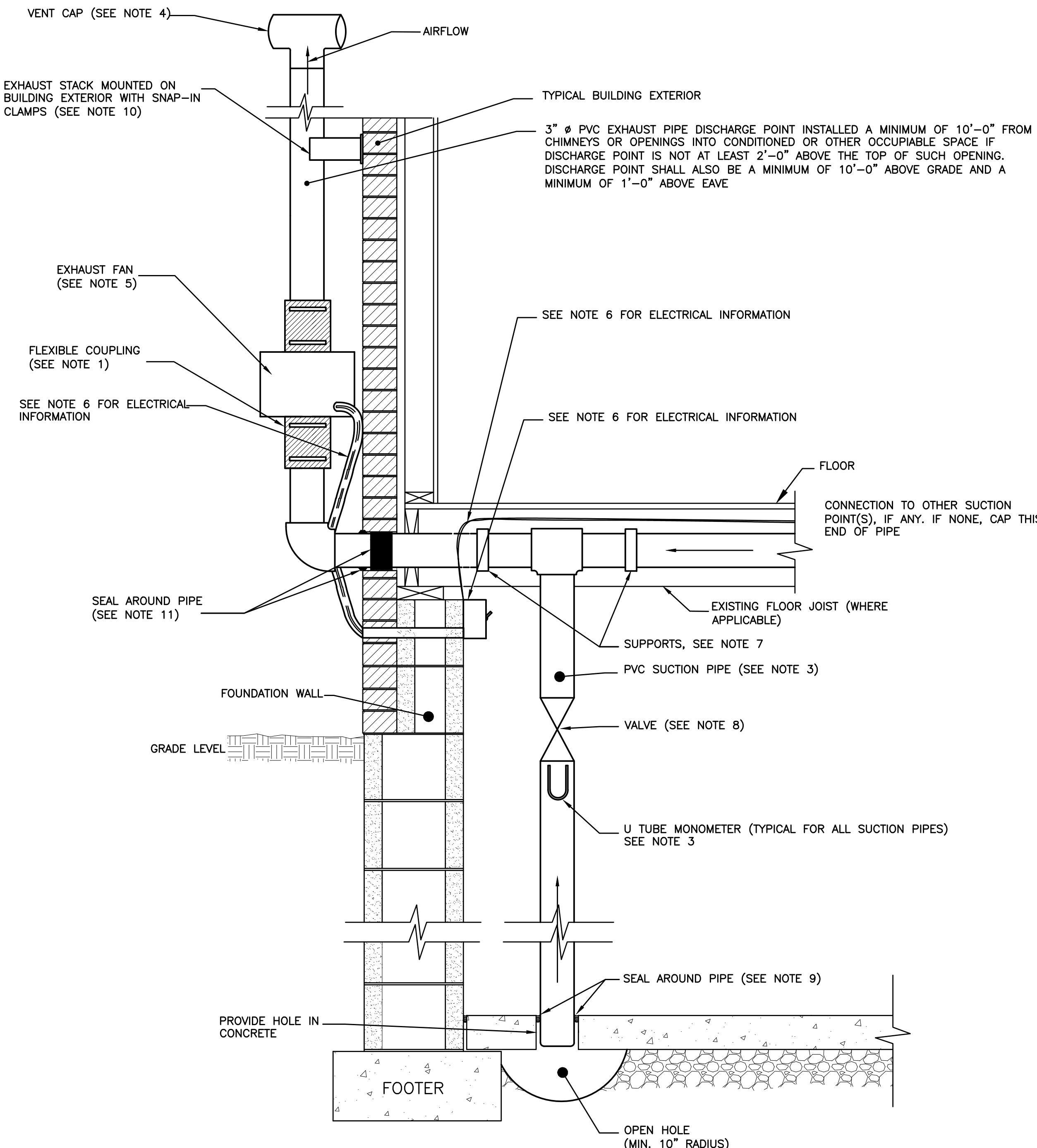


DRAWING NOTES:

1. SAMPLES OF TILE FLOOR TO BE TAKEN AND ANALYZED FOR ASBESTOS CONTAINING MATERIAL BY AN ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (ELAP) ACCREDITED LABORATORY, IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF LABOR CODE RULE 56 AND ALL OTHER APPLICABLE LOCAL STATE AND FEDERAL REGULATIONS.

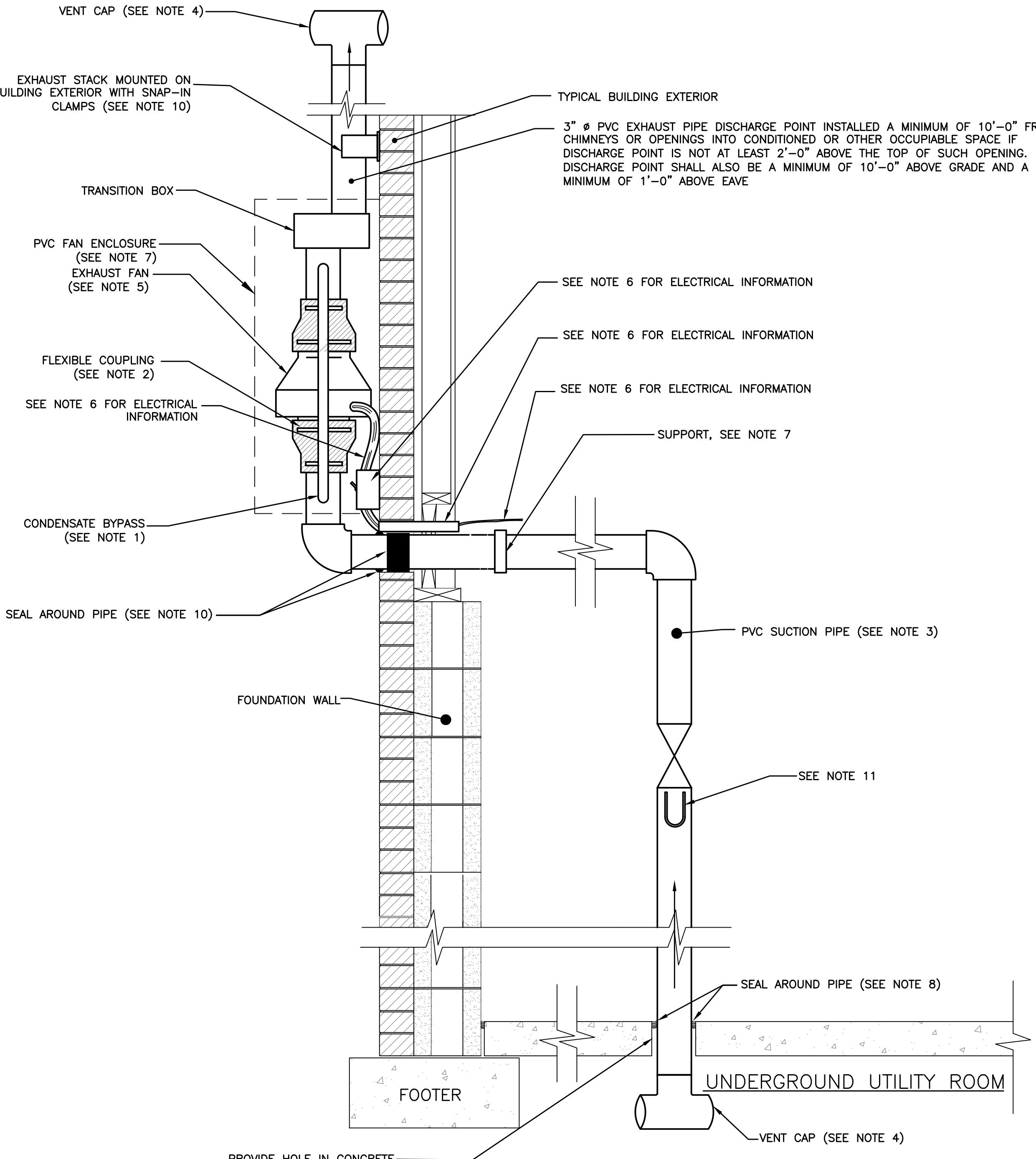
2. COMMUNICATION TEST SUCTION HOLES (SH) WERE USED DURING COMMUNICATIONS TESTING TO EVALUATE CONNECTIVITY BETWEEN TEST POINTS (TP) AND SH. SYSTEM SUCTION POINTS (SSP) WERE SELECTED AS DESIGN SUCTION POINTS BASED ON COMMUNICATION TEST RESULTS. SSP RESULTS ARE SUMMARIZED IN THE TABLE TITLED "COMMUNICATION TEST RESULTS" ON SHEET C-106.

COMMUNICATION TEST RESULTS																																			
Building	Suction Hole Number	Test Point Number	Pre-Reading	Post-Reading	Water Column (in)	Building	Suction Hole Number	Test Point Number	Pre-Reading	Post-Reading	Water Column (in)	Building	Suction Hole Number	Test Point Number	Pre-Reading	Post-Reading	Water Column (in)	Building	Suction Hole Number	Test Point Number	Pre-Reading	Post-Reading	Water Column (in)	Building	Suction Hole Number	Test Point Number	Pre-Reading	Post-Reading	Water Column (in)						
1	SH-1	TP-3	0.000	-0.029	34	2	SH-16	TP-96	0.000	-0.069	20	2	SH-27	TP-71	0.000	-0.022	14	2	SH-21	TP-72	0.000	-0.006	4	2	SH-36	TP-108	0.000	-0.002	15	4	SH-40	TP-142	0.002	-0.002	12
1	SH-1	TP-5	0.000	-0.172	34	2	SH-16	TP-97	0.000	-0.087	20	2	SH-27	TP-72	0.000	-0.098	25	2	SH-22	TP-74	0.000	-0.007	15	2	SH-36	TP-123	0.000	-0.01	15	4	SH-40	TP-142	0.002	-0.011	25
1	SH-1	TP-6	0.000	-0.367	34	2	SH-17	TP-44	0.000	-0.173	8	2	SH-27	TP-72	0.000	-0.095	14	2	SH-22	TP-78	0.000	-0.001	15	2	SH-36	TP-124	0.000	0	15	4	SH-40	TP-144	0.001	-0.006	12
1	SH-10	TP-19	0.000	-0.278	25	2	SH-17	TP-44	0.000	-0.168	7	2	SH-29	TP-113	0.000	-0.052	17	2	SH-23	TP-123	0.000	-0.015	36	4	SH-37	TP-130	-0.009	-0.017	24	4	SH-40	TP-146	0.000	-0.01	12
1	SH-10	TP-20	0.000	-0.298	25	2	SH-17	TP-45	0.000	-0.093	8	2	SH-29	TP-68	0.000	-0.151	17	2	SH-23	TP-81	0.000	-0.006	25	4	SH-37	TP-131	-0.001	-0.104	24	4	SH-40	TP-146	0.000	-0.011	25
1	SH-11	TP-18	0.000	-0.025	25	2	SH-17	TP-45	0.000	-0.089	7	2	SH-30	TP-104	-0.001	-0.334	24	2	SH-23	TP-82	0.000	-0.004	25	4	SH-38	TP-135	0.000	-0.781	23	4	SH-41	TP-136	0.000	-0.015	28
1	SH-11	TP-19	0.000	-0.03	25	2	SH-17	TP-46	0.000	-0.085	8	2	SH-30	TP-107	0.000	-0.58	24	2	SH-23	TP-90	0.000	-0.016	25	4	SH-38	TP-136	0.000	-0.415	23	4	SH-41	TP-138	0.000	-0.008	28
1	SH-12	TP-22	0.000	-0.504	8	2	SH-17	TP-46	0.000	-0.084	7	2	SH-31	TP-101	0.000	-0.105	38	2	SH-23	TP-91	0.000	-0.011	25	4	SH-38	TP-141	0.000	-0.063	23	4	SH-42	TP-154	-0.007	-0.002	45
1	SH-12	TP-23	0.000	-0.068	8	2	SH-17	TP-47	0.000	-0.336	8	2	SH-33	TP-104	0.000	-0.034	NR	2	SH-23	TP-91	0.000	-0.014	36	4	SH-38	TP-144	0.001	-0.017	23	4	SH-40	TP-146	0.000	-0.011	25
1	SH-12	TP-24	0.000	-0.071	8	2	SH-17	TP-47	0.000	-0.347	7	2	SH-33	TP-105	0.000	-0.035	NR	2	SH-23	TP-92	0.000	-0.001	25	4	SH-38	TP-145	-0.001	-0.02	23	4	SH-44	TP-139	0.000	-0.002	32
1	SH-12	TP-25	0.000	-0.097	8	2	SH-17	TP-48	0.000	-0.366	8	2	SH-34	TP-109	0.000	-0.429	33	2	SH-24	TP-77	0.002	-0.008	14	4	SH-39	TP-145	-0.001	-0.046	25	4	SH-44	TP-150	-0.004	-0.011	32
1	SH-12	TP-26	0.000	-0.093	8	2	SH-17	TP-51	0.000	-0.346	8	2	SH-34	TP-112	0.000	-0.033	33	2	SH-24	TP-90	0.000	-0.004	14	4	SH-39	TP-149	0.000	-0.038	42	4	SH-44	TP-156	0.002	0.002	32
1	SH-12	TP-27	0.000	-0.092	8	2	SH-17	TP-52	0.000	-0.065	8	2	SH-35	TP-100	0.000	-0.113	15	2	SH-24	TP-94	0.000	-0.004	14	4	SH-40	TP-143	0.002	-0.018	12	4	SH-45	TP-156	0.002	-0.015	29
1	SH-8	TP-10	0.000	-0.358	21	2	SH-17	TP-56	0.000	-0.03	8	2	SH-35	TP-107	0.000	-0.035	15	2	SH-25	TP-123	0.000	0	39	4	SH-40	TP-143	0.002	-0.052	25	4	SH-45	TP-157	0.000	-0.005	48
1	SH-8	TP-11	0.000	-0.264	21	2	SH-18	TP-100	0.000	-0.043	7	2	SH-35	TP-108	0.000	-0.0285	15	2	SH-25	TP-90	0.000	-0.001	39	4	SH-40	TP-144	0.001	-0.018	25	4	SH-46	TP-132	-0.001	-0.006	42
1	SH-8	TP-12	0.000	-1.087	21	2	SH-18	TP-126	0.000	-0.042	10	2	SH-35	TP-119	0.000	-0.025	15	2	SH-25	TP-90	0.000	-0.001	39	4	SH-41	TP-137	0.000	-0.045	28	4	SH-46	TP-134	0.000	-0.002	42
1	SH-8	TP-13	0.000	-0.118	21	2	SH-18	TP-127	0.000	-0.028	10	2	SH-36	TP-105	0.000	-0.107	15	2	SH-25	TP-91	0.000	-0.013	39	4	SH-41	TP-149	0.000	-0.066	28	4	SH-46	TP-135	0.000	-0.01	42
1	SH-8	TP-8	0.000	-0.408	21	2	SH-18	TP-53	0.000	-0.023	7	2	SH-36	TP-106	0.000	-0.019	30	2	SH-25	TP-91	0.000	-0.013	39	4	SH-41	TP-150	-0.004	-0.074	28	4	SH-47	TP-136	0.000	-0.004	41
1	SH-8	TP-9	0.000	-0.123	21	2	SH-18	TP-61	0.001	-0.018	9	2	SH-36	TP-107	0.000	-0.027	15	2	SH-25	TP-93	0.000	0	39	4	SH-41	TP-155	0.000	-0.549	28	4	SH-42	TP-150	-0.004	-0.024	2
1	SH-9	TP-11	0.000	-0.431	25	2	SH-19	TP-115	0.000	-0.021	13	2	SH-36	TP-117	0.000	-0.041	15	2	SH-26	TP-41	0.000	-0.005	NM	4	SH-42	TP-151	-0.004	-0.089	2	1A	SH-14	TP-28	0.000	-0.088	17
1	SH-9	TP-13	0.000	-0.655	22	2	SH-19	TP-54	0.000	-0.052	9	2	SH-36	TP-119	0.000	-0.375	15	2	SH-26	TP-77	0.002	-0.008	14	4	SH-42	TP-152	-0.004	-0.082	2	1A	SH-14	TP-30	0.000	-0.028	17
1	SH-9	TP-14	0.000	-0.267	22	2	SH-19	TP-57	0.000	-0.071	9	2	SH-36	TP-120	0.000	-0.078	15	2	SH-27	TP-110	0.000	-0.009	19												

**DETAIL NOTES:**

1. FERNO FLEXIBLE PVC COUPLING WITH STAINLESS STEEL CLAMPS OR EQUAL, (3.0" x 3.0").
2. DWYER MANOMETER OR EQUAL, INSTALL IN THE SUCTION PIPE RISER.
3. 3" PVC PIPE IS DUAL RATED DWV/SCH. 40 WITH DWV FITTINGS. ALL PIPING SHALL BE INSTALLED WITH CLEAR LOW VOLATILE ORGANIC COMPOUND (VOC) GLUE AND PRIMER (IPS OR HERCULES).
4. RADONAWAY 7600/ VENT CAP FOR 3" SCH 40 PVC OR EQUAL.
5. OBAR SYSTEMS INC GBR76 UD 120V FAN OR EQUAL. THE FAN DRAWS A MAXIMUM OF 870 WATTS. TEST LOAD CIRCUIT PRIOR TO INSTALLATION OF FAN. (1-REQUIRED)
6. REFER TO ELECTRICAL DRAWINGS: E-101 THROUGH E-105 FOR ELECTRICAL POWER SUPPLY AND FAN DISCONNECT SWITCH.
7. CONTRACTOR SHALL SECURE EQUIPMENT AND PIPING TO MINIMIZE ANY MOVEMENT. HORIZONTAL PIPE RUNS SHALL BE SUPPORTED EVERY 6 FEET (MAXIMUM) OR AS REQUIRED WITH "J" HOOKS (RCI #HT-4), STRAPS OR EQUAL AND SHALL BE SLOPED TOWARD THE SUCTION HOLE IN FLOOR. VERTICAL PIPE RUNS SHALL BE SUPPORTED EVERY 8 FEET (MAXIMUM) OR AS REQUIRED.
8. VALTERRA BLADEX VALVE #6401 OR EQUAL.
9. GEOCEL 3300 POLYURETHANE SEALANT OR EQUAL AROUND PIPE OPENING.
10. RADONAWAY 28500 SNAP-IN CLAMPS OR EQUAL MOUNTED TO THE EXTERIOR WALL. EVERY 8 FT. (MAXIMUM) OR AS REQUIRED.
11. WRAP PIPE WITH EPDM, BACKER ROD OR EQUAL WHERE PIPE PENETRATES THE BUILDING TO REDUCE VIBRATION. SEAL PENETRATION WITH GEOCEL 3300 POLYURETHANE SEALANT, EXPANDING FOAM OR EQUAL.

A TYPICAL SUB SLAB DEPRESSURIZATION SECTION
NOT TO SCALE



DETAILS NOTES:

1. RADONAWAY CONDENSATE BYPASS KIT (SKU: 25030) FAN GUARD KIT (CONDENSATE BYPASS) OR EQUAL.
2. FERFCO FLEXIBLE PVC COUPLING WITH STAINLESS STEEL CLAMPS OR EQUAL, (3.0"X4.0").
3. 3" PVC PIPE IS DUAL RATED DWV/SCH. 40 WITH DWV FITTINGS. ALL PIPING SHALL BE INSTALLED WITH CLEAR LOW VOLATILE ORGANIC COMPOUND (VOC) GLUE AND PRIMER (IPS OR HERCULES).
4. RADONAWAY 7600/ VENT CAP FOR 3" SCH 40 PVC OR EQUAL.
5. FAN ASSOCIATED WITH DETAIL A ON THIS SHEET SHALL BE RADONAWAY XP-151 FAN OR EQUAL. TO BE WIRED FROM A 115-120 V AC SUPPLY, THE FAN DRAWS A MAXIMUM OF 70 WATTS. TEST LOAD CIRCUIT PRIOR TO INSTALLATION OF FAN.
6. REFER TO ELECTRICAL DRAWINGS: E-101 THROUGH E-105 FOR ELECTRICAL POWER SUPPLY AND FAN DISCONNECT SWITCH.
7. CONTRACTOR SHALL SECURE EQUIPMENT AND PIPING TO MINIMIZE ANY MOVEMENT. HORIZONTAL PIPE RUNS SHALL BE SUPPORTED EVERY 6 FEET (MAXIMUM) OR AS REQUIRED WITH "J" HOOKS (RCI #HT-4), STRAPS OR EQUAL AND SHALL BE SLOPED TOWARD THE SUCTION HOLE IN FLOOR. VERTICAL PIPE RUNS SHALL BE SUPPORTED EVERY 8 FEET (MAXIMUM) OR AS REQUIRED.
8. GEOCEL 3300 POLYURETHANE SEALANT OR EQUAL AROUND PIPE OPENING.
9. RADONAWAY 28500 SNAP-IN CLAMPS OR EQUAL MOUNTED TO THE EXTERIOR WALL. EVERY 8 FT. (MAXIMUM) OR AS REQUIRED.
10. WRAP PIPE WITH EPDM, BACKER ROD OR EQUAL WHERE PIPE PENETRATES THE BUILDING OR FLOOR TO REDUCE VIBRATION. SEAL PENETRATION WITH GEOCEL 3300 POLYURETHANE SEALANT, EXPANDING FOAM OR EQUAL.
11. DWYER MANOMETER OR EQUAL, INSTALL IN THE SUCTION PIPE RISER.

BUILDING 2 CONFINED SPACE BASEMENT AIR EXCHANGE SECTION

A NOT TO SCALE

PRELIMINARY
NOT FOR
CONSTRUCTION
DATE: OCTOBER 2023

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WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR TO DETERMINE THE ACTUAL SIZE.

NEW YORK STATE OF OPPORTUNITY

P.E. REGISTRATION
EXPIRES 04/20/2024

Department of
Environmental
Conservation

CLIENT			
NEW YORK STATE OF OPPORTUNITY			
Department of Environmental Conservation			
A 10/25/2023	ISSUED FOR CLIENT REVIEW	BAK	
NO. DATE	REVISION	INT.	

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
B.KUBIAK
DESIGNED BY M.MELLEN
CHECKED BY J.CAVOTTA
DRAWN BY M.MCCARTHY

PROJECT NO. 1940102945-002
DATE OCTOBER 2023
CERTIFICATE OF AUTHORIZATION: 17993
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
333 W. WASHINGTON ST. SYRACUSE, NY 13202

RAMBOLL

PROJECT
HARRISON PLACE VAPOR
INTRUSION MITIGATION
ADDRESS 210 WALNUT ST, LOCKPORT NY, 14094

DETAILS
DRAWING LOCATION
LOCKPORT, NY

ELECTRICAL DIAGRAMS	
SYMBOL	DESCRIPTIONS
	FUSE, SIZE AS INDICATED
	GROUND CONNECTION
	TRANSFORMER (DELTA - RESISTANCE GROUNDED WYE SHOWN)
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	LIGHTNING ARRESTOR
	CAPACITOR
	MOTOR STARTER CONTACTOR AND OVERLOAD RELAY, FVNR U.O.N
	DISCONNECT SWITCH U.O.N
	KIRK KEY INTERLOCK
	ELECTRICAL INTERLOCK
	CIRCUIT BREAKER WITH RATINGS AS INDICATED
	DRAW OUT DEVICE
	WIRING TERMINAL BLOCK
	MOTOR - SINGLE WINDING UNLESS OTHERWISE NOTED: 2S2W = 2 SPEED 2 WINDING 2S1W = 2 SPEED 1 WINDING NUMERALS (IF SHOWN) INDICATE HP
	CONDUCTORS NOT CONNECTED
	CONDUCTORS CONNECTED
	NORMALLY OPEN
	NORMALLY CLOSED
	N.O. MOMENTARY CONTACT PUSH BUTTON WITH NAMEPLATE AS INDICATED ON DIAGRAM
	N.C. MOMENTARY CONTACT PUSH BUTTON WITH NAMEPLATE AS INDICATED ON DIAGRAM
	SOLENOID VALVE OR RELAY COIL
	RELAY OR CONTACTOR COIL WITH TAG NUMBER AS SHOWN
	N.O. RELAY CONTACT
	N.C. RELAY CONTACT
	ON-DELAY OR OFF-DELAY RELAY
	ON-DELAY RELAY N.C. TIMED OPENING CONTACT
	ON-DELAY RELAY N.O. TIMED CLOSING CONTACT
	OFF-DELAY N.C. CONTACT (OPENS WHEN ENERGIZED, TIMED CLOSING AFTER DE-ENERGIZING)
	OFF-DELAY N.O. CONTACT (CLOSES WHEN ENERGIZED, TIMED OPENING AFTER DE-ENERGIZING)
	INDICATOR OR PILOT LIGHT: R-RED, B-BLUE, W-WHITE, G-GREEN, A-AMBER, O-ORANGE, C-CLEAR, NE-NEON, OP-OPALESCENT, P-PURPLE
	FIELD WIRING TERMINAL
	FIELD WIRING
	ANTI-CONDENSATION HEATER

ELECTRICAL PLANS & SECTIONS	
SYMBOL	DESCRIPTIONS
	DUPLEX RECEPTACLE, (15 AMP UNLESS OTHERWISE NOTED)
	NEMA 4X RECEPTACLE
	GROUND FAULT INTERRUPTER TYPE RECEPTACLE
	GROUND FAULT INTERRUPTER TYPE RECEPTACLE WITHIN WEATHER-PROOF WHILE IN USE BOX
	JUNCTION BOX
	PULL BOX
	POINT OF CONNECTION TO EXISTING SYSTEM
	GROUND ROD
	LIGHTNING PROTECTION AIR TERMINAL
	DRAWING NOTE NUMBER 2
	COMPARTMENT NUMBER 2
	NON-FUSED DISCONNECT SWITCH, 30A, 3P U.O.N.
	FUSED DISCONNECT SWITCH - FUSE SIZE AS INDICATED (40A)
	LOCAL-OFF-REMOTE CONTROL STATION (LOR)
	COMBINATION MAGNETIC MOTOR STARTER. ABBREVIATION INDICATES TYPE: FVNR, FVR, RVAT, 2S1W, 2S2W, SST
	PANELBOARD
	TRANSFORMER
	FLEXIBLE CONDUIT
	RACEWAY "UP" OR "TOWARDS"
	RACEWAY "DOWN" OR "AWAY"
	HEAT TRACE CABLE
	LIGHTING CIRCUIT. NO. OF TICK MARKS = NO. OF CONDUCTORS (NOT INCLUDING GROUND) LONG TICK MARK = NEUTRAL (SEE PANEL SCHEDULE FOR CONDUIT AND WIRE SIZES).
	RACEWAY CONCEALED IN OR BELOW SLAB OR BELOW GRADE.
	BRANCH CIRCUIT HOME RUN
	BRANCH CIRCUIT W/#12 AWG THHN WIRES, SLASH LINES INDICATES WIRES IN CIRCUIT, SHORT LINES DEPICTS PHASE CONDUCTOR, LONG LINE DEPICTS NEUTRAL CONDUCTOR, LONG LINE W/DOT DEPICTS GROUND
	RACEWAY RUN EXPOSED. CONDUCTORS SHALL BE MINIMUM 2#12 AWG AND #1#12 AWG GROUND IN 3/4" CONDUIT, U.O.N.
	EXISTING LINE TYPE
	PROPOSED ELECTRICAL WORK LINE TYPE

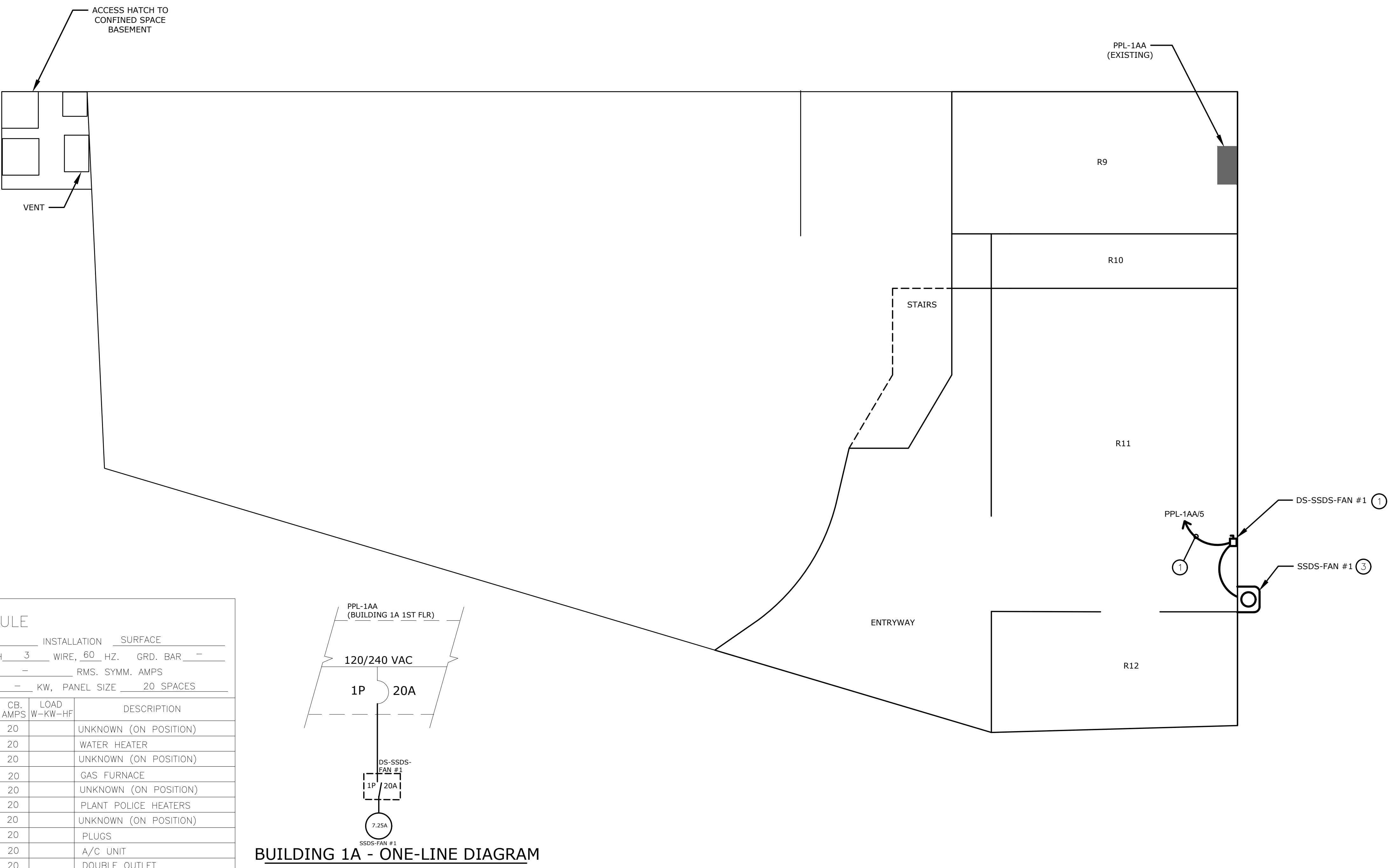
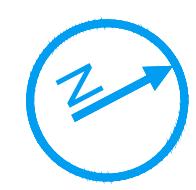
PART 1 - GENERAL	
1.1 SCOPE OF WORK	A. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, AND SERVICES NECESSARY FOR AND INCIDENTAL TO COMPLETION OF ALL ELECTRICAL WORK AS INDICATED ON THE DRAWINGS AND/OR SPECIFIED HEREIN.
1.2 DRAWING USE AND INTERPRETATION	A. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE DEFINED BY DIMENSIONS OR DETAILS, EXACT EQUIPMENT LOCATIONS AND RACEWAY ROUTING, ETC., SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS AND/OR INSTRUCTIONS OF THE ENGINEER AND/OR OWNER'S REPRESENTATIVE.
1.3 COMPLETE SYSTEMS	A. GENERAL: FURNISH AND INSTALL ALL MATERIALS AS REQUIRED FOR COMPLETE SYSTEMS, INCLUDING ALL PARTS OBVIOUSLY OR REASONABLY INCIDENTAL TO A COMPLETE INSTALLATION, WHETHER SPECIFICALLY INDICATED OR NOT. ALL SYSTEMS SHALL BE COMPLETELY ASSEMBLED, TESTED, ADJUSTED AND DEMONSTRATED TO BE READY FOR OPERATION PRIOR TO OWNER'S ACCEPTANCE.
1.4 CODES AND REGULATIONS	A. GENERAL: COMPLY WITH THE NATIONAL ELECTRIC CODE (NEC), IEEE STANDARDS AND ALL GOVERNING FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, CODES, RULES AND REGULATIONS. WHERE THE CONTRACT DOCUMENTS EXCEED THESE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN. IN NO CASE SHALL WORK BE INSTALLED CONTRARY TO OR BELOW MINIMUM APPLICABLE STANDARDS.
1.5 SUBMITTAL	A. REQUIRED SUBMITTALS INCLUDE: LIST OF SUBCONTRACTORS; PRODUCT DATA; SHOP DRAWINGS.
	B. SUBMIT IN .PDF FORMAT ELECTRONICALLY.
	C. PRODUCT DATA: SUBMIT FOR ALL BASIC ELECTRICAL EQUIPMENT, DEVICES AND MATERIALS TO BE USED ON THE PROJECT. PRODUCT DATA TO CONSIST OF MANUFACTURER'S STANDARD CATALOG CUTS, DESCRIPTIVE LITERATURE AND/OR DIAGRAMS, IN 8.5" X 11" FORMAT, AND IN SUFFICIENT DETAIL SO AS TO CLEARLY INDICATE COMPLIANCE WITH ALL SPECIFIED REQUIREMENTS AND STANDARDS. MARK EACH OPTION TO CLEARLY INDICATE PROPOSED PRODUCT, OPTIONS, FINISHES, ETC.
	D. MAINTENANCE MANUALS: INCLUDE OPERATING AND MAINTENANCE DATA. INCLUDE ALL PRODUCT DATA/SHOP DRAWING SUBMITTAL, AS WELL AS DESCRIPTIONS OF MANUFACTURER'S PRINTED OPERATED MAINTENANCE, TROUBLESHOOTING, REPAIR, ADJUSTMENT, AND EMERGENCY INSTRUCTIONS, AND COMPLETE REPLACEMENT PARTS LISTING.
	E. RECORD DOCUMENTS: INDICATE ACTUAL INSTALLED LOCATIONS FOR ALL EQUIPMENT AND DEVICES, ROUTING OF MAJOR INTERIOR RACEWAYS, LOCATIONS OF ALL CONCEALED AND UNDERGROUND EQUIPMENT AND RACEWAYS AND ALL APPROVED MODIFICATIONS TO THE CONTRACT DOCUMENTS, AND DEVIATIONS NECESSITATED BY FIELD CONDITIONS AND CHANGE ORDERS.
1.6 QUALITY ASSURANCE	A. MANUFACTURER'S QUALIFICATIONS: NOT LESS THAN THREE YEARS EXPERIENCE IN THE ACTUAL PRODUCTION OF THE SPECIFIED PRODUCTS.
	B. INSTALLER'S QUALIFICATIONS: FIRM WITH NOT LESS THAN FIVE YEARS EXPERIENCE IN THE INSTALLATION OF ELECTRICAL SYSTEMS AND EQUIPMENT SIMILAR IN SCOPE AND COMPLEXITY TO THOSE REQUIRED FOR THIS PROJECT, AND HAVING SUCCESSFULLY COMPLETED AT LEAST TEN COMPARABLE SCALE PROJECTS.
	C. INCIDENTAL WORK: PAINTING, WELDING, CARPENTRY, MECHANICAL WORK AND THE LIKE REQUIRED FOR ELECTRICAL WORK SHALL BE PERFORMED BY CRAFTSMEN SKILLED IN THE APPROPRIATE TRADE, BUT SHALL BE PROVIDED FOR BY THE ELECTRICAL CONTRACT.
1.7 INSPECTIONS	A. GENERAL: DURING AND UPON COMPLETION OF WORK, ARRANGE AND PAY ALL ASSOCIATED COSTS FOR INSPECTIONS OF ALL ELECTRICAL WORK INSTALLED UNDER THIS CONTRACT, IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT.
	B. INSPECTIONS REQUIRED: AS PER THE LAWS AND REGULATIONS OF THE LOCAL AND/OR STATE AGENCIES HAVING JURISDICTION AT THE PROJECT SITE.
	C. INSPECTION AGENCY: APPROVED BY THE LOCAL AND/OR STATE AGENCIES HAVING JURISDICTION AT THE PROJECT SITE.
	D. CERTIFICATIONS: SUBMIT ALL REQUIRED INSPECTION CERTIFICATES.
1.8 DELIVERY, STORAGE AND HANDLING	A. PACKING AND SHIPPING: DELIVER PRODUCTS IN ORIGINAL UNOPENED PACKAGING, PROPERLY IDENTIFIED WITH MANUFACTURER'S IDENTIFICATION, AND COMPLIANCE LABELS.
	B. STORAGE AND PROTECTION: COMPLY WITH ALL MANUFACTURER'S WRITTEN RECOMMENDATIONS, STORE ALL PRODUCTS IN A MANNER WHICH SHALL PROTECT THEM FROM DAMAGE, WEATHER, AND ENTRY OF DEBRIS.
	C. DAMAGED PRODUCTS: DO NOT INSTALL DAMAGED PRODUCTS. ARRANGE FOR PROMPT REPLACEMENT.
PART 2 - PRODUCTS	
2.1 GENERAL	A. WHERE SPECIFIED: MATERIALS AND EQUIPMENT SHALL BE AS SPECIFIED HEREIN OR AS INDICATED ON THE DRAWINGS.
	B. GENERAL REQUIREMENTS: ALL MATERIALS AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND TO THE GREATEST EXTENT POSSIBLE, STANDARD PRODUCTS OF THE VARIOUS MANUFACTURERS EXCEPT WHERE SPECIAL CONSTRUCTION OR PERFORMANCE FEATURES ARE CALLED. ALL MATERIALS AND EQUIPMENT TO BE NEW, CLEAN, UNDAMAGED, AND FREE OF DEFECTS.
	C. ACCEPTABLE PRODUCTS: THE PRODUCT OF A SPECIFIED OR APPROVED MANUFACTURER WILL BE ACCEPTABLE ONLY WHEN THE PRODUCT COMPLIES WITH OR IS MODIFIED AS NECESSARY TO COMPLY WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.
	D. COMMON ITEMS: WHERE MORE THAN ONE OF ANY SPECIFIC ITEM IS REQUIRED, ALL SHALL BE OF THE SAME TYPE AND MANUFACTURER.
	E. UL LISTING: ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE UNDERWRITER'S LABORATORIES LISTED FOR SUCH MATERIALS OR EQUIPMENT.
2.2 RACEWAY SYSTEMS	
	A. RACEWAY SIZING: AS REQUIRED BY THE NEC (MINIMUM) WITH OVERSIZED RACEWAYS AS INDICATED AND WHERE REQUIRED FOR EASE OF PULLING CABLE. MINIMUM CONDUIT SIZE: 3/4 INCH.
	B. RACEWAY TYPES: ELECTRIC METALIC TUBING (EMT), FLEXIBLE STEEL CONDUIT, LIQUIDOTIGHT FLEXIBLE STEEL CONDUIT; CONFORMING TO APPLICABLE ANSI, NEMA AND UL STANDARDS.
	C. FITTINGS: ALL RACEWAY FITTINGS TO BE STEEL OR MALLEABLE IRON, AND UL LISTED FOR THE INTENDED APPLICATION, EMT FITTINGS SHALL BE THE COMPRESSION TYPE.
	D. OUTLET BOXES (CONCEALED IN WALLS): NON-GANGABLE, GALVANIZED STEEL, WITH SQUARE CORNERED TILE TYPE EXTENSION RINGS OR COVER, MINIMUM SIZE: TWO-GANG BOX OR 4" SQUARE, MINIMUM CAPACITY: 21 CUBIC INCHES.
2.3 WIRE CONDUCTORS - 600 VOLT AND BELOW	
	A. GENERAL: SINGLE-CONDUCTOR, 98% CONDUCTIVITY, ANNEALED, UNCOATED COPPER CONDUCTORS WITH 600 VOLT RATED TYPE THHN/THWN INSULATION, WHERE INSTALLED IN CONDUIT. PROVIDE "TRAY-RATED" CABLE FOR CABLE TRAY APPLICATIONS.
	B. CONNECTORS: NYLON SHELL INSULATED METALLIC SCREW-ON CONNECTORS FOR #14-10 AWG, AND BOLTED PRESSURE OR COMPRESSION TYPE LUGS AND CONNECTORS WITH INSULATING COVERS FOR #8 AWG AND LARGER.
	C. MINIMUM SIZE: #12 AWG FOR POWER CIRCUITS.
2.4 ELECTRICAL IDENTIFICATION	
	A. NAMEPLATES: THREE-LAYER LAMINATED PLASTIC WITH MINIMUM 3/16" HIGH BLACK ENGRAVED CHARACTERS ON WHITE BACKGROUND, AND PUNCHED FOR MECHANICAL FASTENING. FASTENERS: SELF-TAPPING STAINLESS STEEL SCREWS OR #10-32 STAINLESS STEEL MACHINE SCREWS WITH NUTS AND FLAT AND LOCK WASHERS.
	B. MARKING PENS: PERMANENT, WATERPROOF, QUICK DRYING BLACK INK.
	C. WIRE TAGS: VINYL OR VINYL CLOTH, SELF-ADHESIVE WRAPAROUND TYPE INDICATING APPROPRIATE CIRCUIT NUMBER, ETC.
PART 3 - EXECUTION	
3.1 RACEWAY SYSTEMS	A. RACEWAY TYPES: UNLESS INDICATED OTHERWISE, USE RACEWAY TYPES AS FOLLOWS:
	1. INDOORS, CONCEALED IN WALLS OR ABOVE CEILING: EMT
3.2 CONDUCTORS - 600 VOLT	A. EQUIPMENT GROUNDING CONDUCTOR REQUIRED: FOR EACH BRANCH CIRCUIT AND FEEDER RUN, PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR FOR CONTINUOUS LENGTH OF RUN, SIZED PER NEC 250-122 (MINIMUM), LARGER, IF SO INDICATED.
	B. NEUTRAL CONDUCTORS: FOR CIRCUITS WHERE NEUTRAL CONDUCTORS ARE REQUIRED, PROVIDE A NEUTRAL CONDUCTOR OF EQUIVALENT SIZE TO THE PHASE CONDUCTORS. SHARED NEUTRALS ARE NOT ALLOWED WITHOUT WRITTEN CONSENT OF THE PROJECT ENGINEER.
	C. TERMINATIONS: FURNISH AND INSTALL TERMINATIONS INCLUDING LUGS, IF NECESSARY, TO MAKE ALL ELECTRICAL CONNECTIONS AND TERMINATIONS FOR ALL STRANDED AWG CONDUCTORS USING CRIMP, CLAMP, OR BOX TYPE CONNECTORS AND TERMINATORS. ENCLOSE ALL STRANDS OR STRANDED CONDUCTORS IN CONNECTORS, AND LUGS.
	D. COLOR CODE: COLOR CODE ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS AS FOLLOWS:
	1. 208/120 VOLTS: PHASE COLOR A BLACK B RED C BLUE NEUTRAL WHITE
	2. 480/277 VOLTS: PHASE COLOR A BROWN B YELLOW C ORANGE NEUTRAL WHITE
	3. EQUIPMENT GROUNDING CONDUCTORS: GREEN
3.21 EQUIPMENT CONNECTIONS	A. EQUIPMENT VARIATIONS: NOTE THAT EQUIPMENT SIZES AND CAPACITIES AS SHOWN ON THE CONTRACT DRAWINGS ARE FOR BIDDING PURPOSES AND MAY NOT BE THE EXACT UNIT FURNISHED. CONTRACTOR SHALL ANTICIPATE MINOR VARIATIONS IN EQUIPMENT AND SHALL INCLUDE IN THE BID ALL COSTS REQUIRED TO PROPERLY CONNECT THE EQUIPMENT FURNISHED.
	B. VERIFICATION: OBTAIN AND REVIEW SHOP DRAWINGS, PRODUCT DATA AND MANUFACTURER'S INSTRUCTIONS FOR EQUIPMENT FURNISHED BY OTHERS. EXAMINE ACTUAL EQUIPMENT TO VERIFY PROPER CONNECTION LOCATIONS AND REQUIREMENTS.
	GENERAL NOTES:
	1. THIS IS A STANDARD SYMBOL LIST, SOME SYMBOLS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.
	2. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
	3. PLAN & SECTION SYMBOLS MAY ALSO BE USED ON DIAGRAMS.
	4. ON ONE LINE DIAGRAMS FOR 3 PHASE SYSTEMS, DEVICE QUANTITY = 3 UNLESS OTHERWISE NOTED.
	5. WIRE SIZES SHOWN ARE AWG (AMERICAN WIRE GAUGE).
	6. ALL PLANS ARE DIAGRAMMATIC ONLY AND WITH ENGINEERING APPROVAL MAY BE ADJUSTED TO SUIT FIELD CONDITIONS.
	7. COORDINATE THE LOCATION OF ALL ELECTRICAL EQUIPMENT WITH THE OTHER TRADES, TO AVOID ANY CONFLICTS.
	8. IDENTIFY ALL ELECTRICAL EQUIPMENT WITH THE PROPER TITLE AND BRANCH CIRCUIT INFORMATION, USING LAMACOID NAMEPLATES, WHITE WITH 1/4" HIGH BLACK LETTERING.
ELECTRICAL ABBREVIATIONS	
A, AMP	- AMPERE
AC	- ALTERNATING CURRENT
AIC	- AMPS INTERRUPTING CAPACITY
AF	- AMP FRAME
AT	- AMP TRIP
ATS	- AUTOMATIC TRANSFER SWITCH
AWG	- AMERICAN WIRE GAUGE
C	- CONDUIT
CCTV	- CLOSED CIRCUIT TELEVISION
CEP	- CONCRETE EQUIPMENT PAD
CKT	- CIRCUIT
CMH	- COMMUNICATION MANHOLE
COND	- CONDUCTOR
CPT	- CONTROL POWER TRANSFORMER
CU	- COPPER
CWA	- CONSTANT WATTAGE AUTOTRANSFORMER
DC	- DIRECT CURRENT
DISC	- DISCONNECT
DP	- DISTRIBUTION PANEL
DPST	- DOUBLE POLE SINGLE THROW
DPDT	- DOUBLE POLE DOUBLE THROW
DS	- DISCONNECT SWITCH
DT	- DOUBLE THROW
EM, EMERG	- EMERGENCY
EC	- EMPTY CONDUIT
EMT	- ELECTRICAL METALIC TUBING
ETM	- ELAPSED TIME METER
(E), EX	- EXISTING
FA	- FIRE ALARM
FAAP	- FIRE ALARM ANNUNCIATOR PANEL
FACP	- FIRE ALARM CONTROL PANEL
FDR	- FEEDER
FLA	- FULL LOAD AMPERES
FMC	- FLEXIBLE METAL CONDUIT
FS	- FLOW SWITCH
FU	- FUSED OR FUSIBLE
FVR	- FULL VOLTAGE REVERSING
G, GRD	- FULL VOLTAGE NON-REVERSING
GFR	- GROUND
GRS	- GROUND FAULT INTERRUPTER
HH	- GROUND FAULT RELAY
HPS	- GALVANIZED RIGID STEEL CONDUIT
HV	- HIGH PRESSURE SODIUM
HZ	- HIGH VOLTAGE
IC	- HERTZ
IG	- INTERRU

GENERAL NOTES

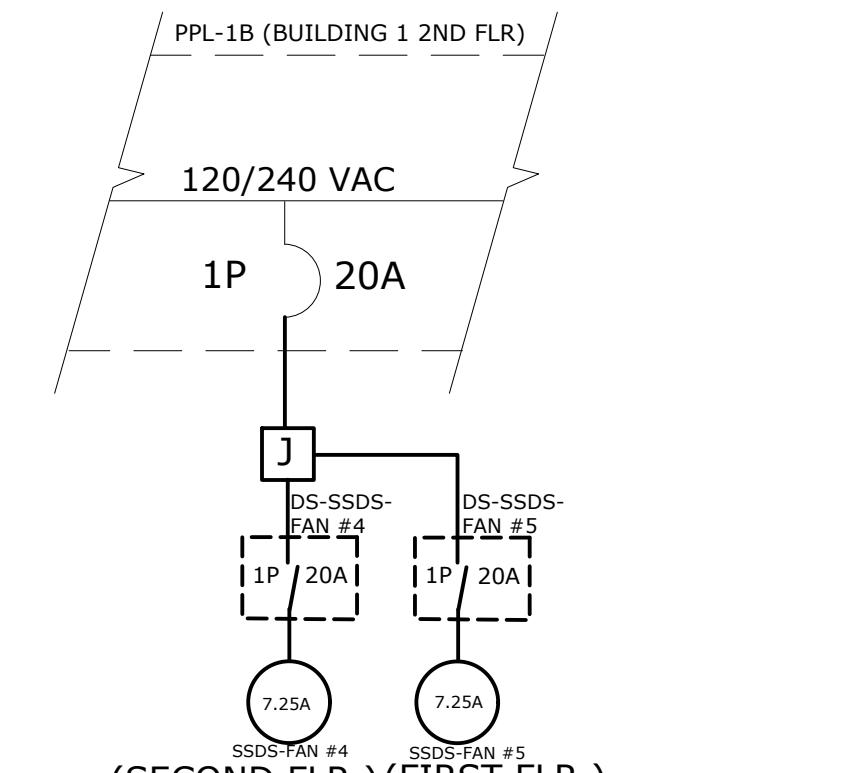
1. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO CONSTRUCTION.
2. REFER TO CIVIL DRAWINGS FOR MORE DETAIL.
3. ALL CONDUIT AND CONDUCTORS TO BE #12 AWG AND 3/4" EMT UNLESS OTHERWISE NOTED.

INSTALLATION NOTES:

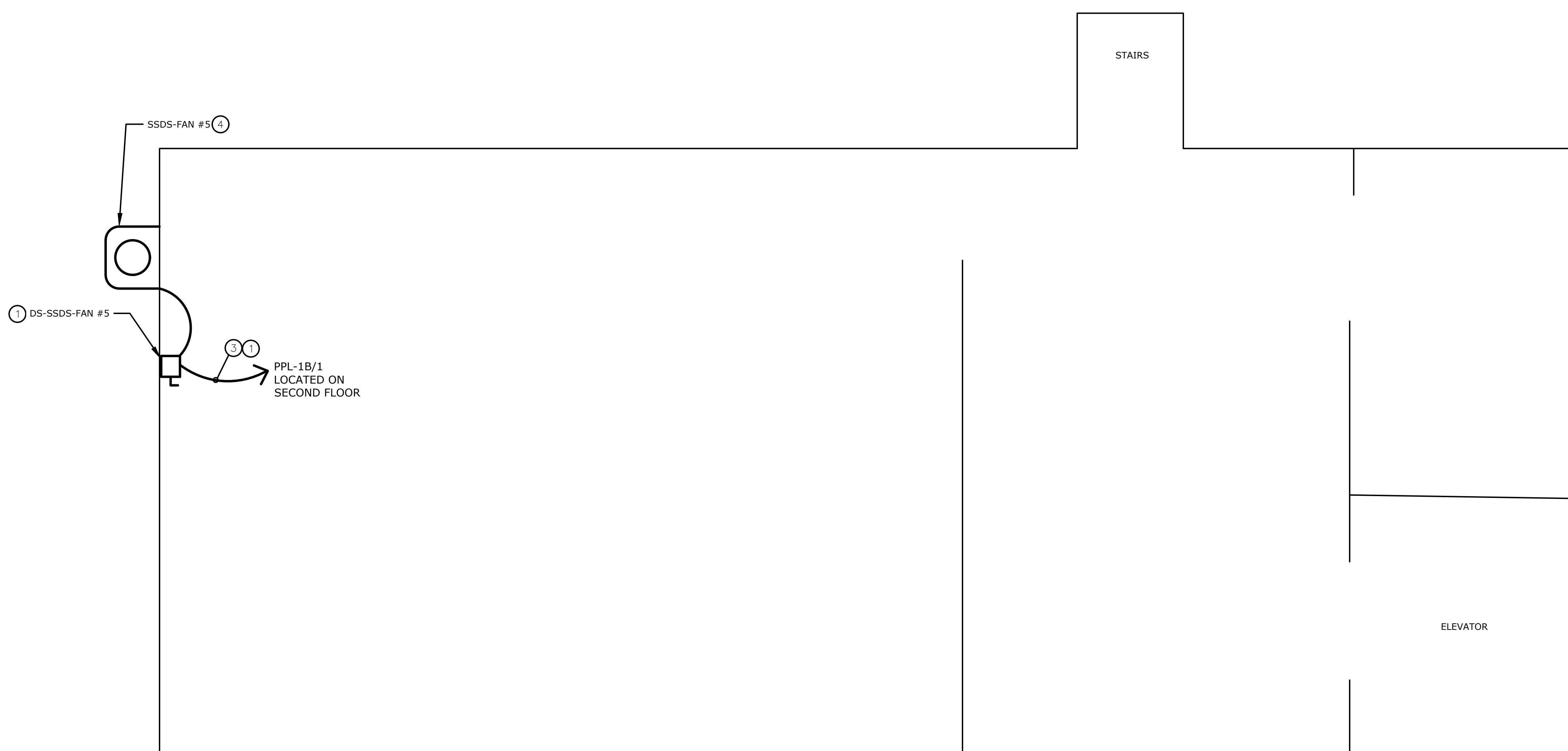
- 1 PROVIDE 2#12-1#12 GND IN 3/4" EMT TO ASSOCIATED PANEL. PROVIDE 1P/20A DISCONNECT SWITCH WITH LOCKABLE COVER INSIDE THE BUILDING AT EACH FAN.
- 2 UTILIZE EXISTING BREAKER IN THE OFF POSITION. CONFIRM WITH OWNER IF ANY CONNECTED CIRCUITS ARE ABANDONED AND NO LONGER IN USE.
- 3 REFER TO DRAWING C-501 AND C-502 FOR ADDITIONAL FAN MOUNTING AND INSTALLATION DETAILS

**BUILDING 1A - FIRST FLOOR PLAN**3 0 3
SCALE: 1"=3'

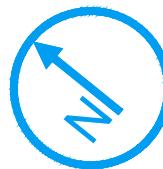
PANEL SCHEDULE							
PANEL BOARD PPL-1B		LOCATION BUILDING 1-SECOND FLOOR		INSTALLATION SURFACE			
RATINGS		AMPS 120/240 VOLTS		PH		WIRE, HZ. GRD. BAR	
MAIN LUGS		CB. INTERRUPTING RATING		RMS. SYMM. AMPS			
MAIN CIRCUIT BREAKER		AMPS CONNECTED LOAD		KW, PANEL SIZE		12 SPACES	
DESCRIPTION	LOAD W-KW-HF	CB. AMPS	CIR	1 N 2	CIR CB. AMPS	LOAD W-KW-HF	DESCRIPTION
SSDS-FANS #4 & #5	20	1		2			UNKNOWN (OFF POSITION)
UNKNOWN (OFF POSITION)			3	4			UNKNOWN (OFF POSITION)
UNKNOWN (ON POSITION)			5	6			UNKNOWN (ON POSITION)
WATER HEATER (MAIN FOYER)			7	8			UNKNOWN (OFF POSITION)
UNKNOWN (ON POSITION)			9	10			UNKNOWN (ON POSITION)
FRIDGE & MICROWAVE			11	12			UNKNOWN (ON POSITION)



BUILDING 1 - ONE-LINE DIAGRAM



BUILDING 1 - FIRST FLOOR PLAN

2 0 2
SCALE: 1"=2"

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LICENSED ENGINEER, TO ALTER THIS DOCUMENT.

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WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR TO DETERMINE THE ACTUAL SIZE.
DRAWING IS NOT SCALABLE IF NO SCALE BAR IS PRESENT.

PRELIMINARY
NOT FOR
CONSTRUCTION
DATE: 10/27/2023

CLIENT
NEW YORK
STATE OF
OPPORTUNITY
Department of
Environmental
Conservation

A 10/27/2023 ISSUED FOR REVIEW
NO. DATE REVISION INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
E. MILES
DESIGNED BY M. WHALON PROJECT NO. 1940102945-002
CHECKED BY D. LEMONCELLI DATE OCTOBER 2023
DRAWN BY K. MONETTE

CERTIFICATE OF AUTHORIZATION: 17993
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
333 W. WASHINGTON ST. SYRACUSE, NY 13202

RAMBOLL

PROJECT
HARRISON PLACE VAPOR
INTRUSTION MITIGATION
ADDRESS
210 WALNUT ST, LOCKPORT NY, 14094

SHEET DESCRIPTION
BUILDING 1 - FIRST FLOOR PLAN
DRAWING LOCATION
LOCKPORT, NY

E-102

GENERAL NOTES

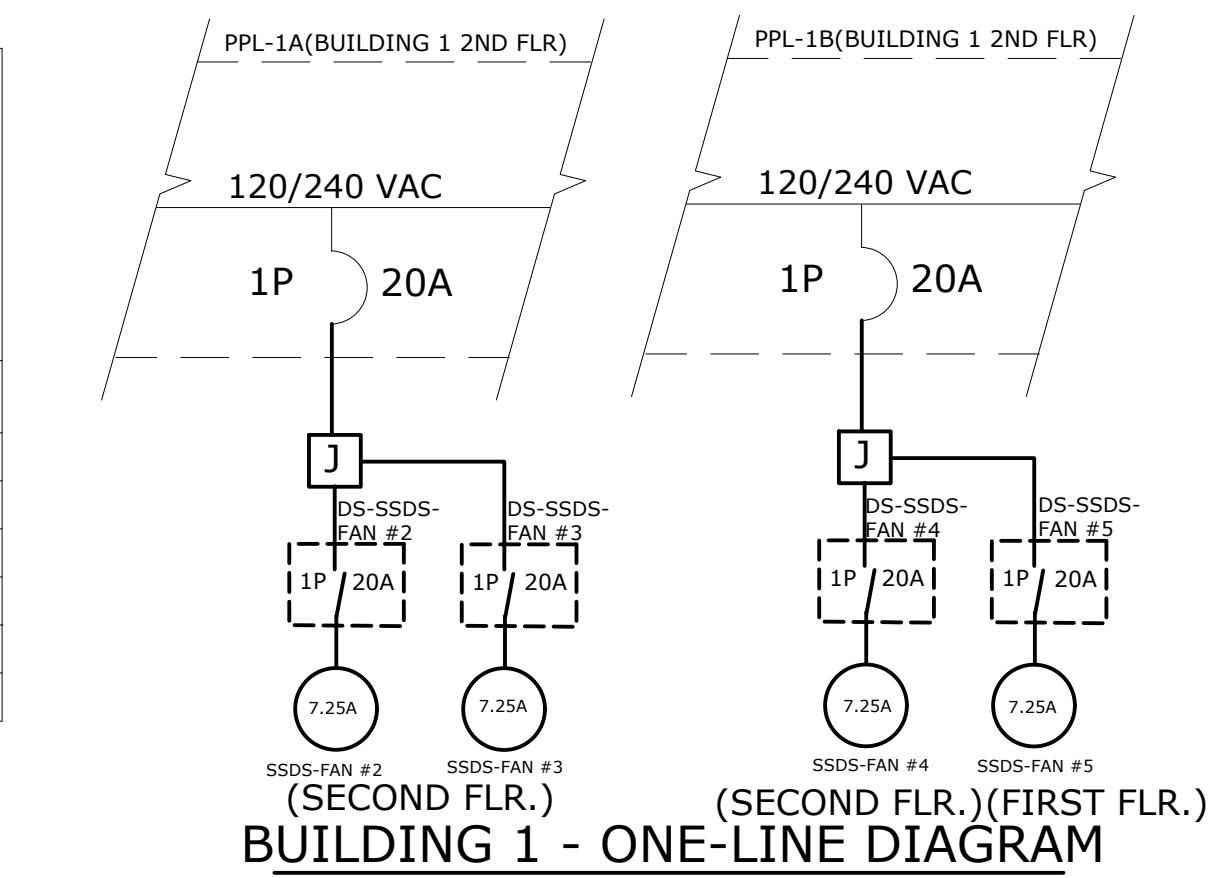
1. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO CONSTRUCTION.
2. REFER TO CIVIL DRAWINGS FOR MORE DETAIL.
3. ALL CONDUIT AND CONDUCTORS TO BE #12 AWG AND 3/4" EMT UNLESS OTHERWISE NOTED.

INSTALLATION NOTES:

- 1 PROVIDE 2#12-1#12 GND IN 3/4" EMT TO ASSOCIATED PANEL. PROVIDE 1P/20A DISCONNECT SWITCH WITH LOCKABLE COVER INSIDE BUILDING AT EACH FAN.
- 2 UTILIZE EXISTING BREAKER IN THE OFF POSITION. CONFIRM WITH OWNER IF ANY CONNECTED CIRCUITS ARE ABANDONED AND NO LONGER IN USE.
- 3 ROUTE TO PANEL INDICATED ON SECOND FLOOR. REFER TO DRAWING E-103. SEAL FLOOR AND WALL PENETRATIONS TO MATCH FIRE RATING.
- 4 REFER TO DRAWING C-501 FOR ADDITIONAL FAN MOUNTING AND INSTALLATION DETAILS

PANEL SCHEDULE							
PANEL BOARD_PPL-1A		LOCATION BUILDING 1-SECOND FLOOR		INSTALLATION		SURFACE	
RATINGS	50	AMPS	120/240	VOLTS	1	PH	3
MAIN LUGS	-	CB. INTERRUPTING RATING	-	-	RMS. SYMM. AMPS		
MAIN CIRCUIT BREAKER	-	AMPS	CONNECTED LOAD	-	KW, PANEL SIZE	12 SPACES	
DESCRIPTION	LOAD W-KW-HF	CB. AMPS	CIR	1 N 2	CIR	CB. AMPS	LOAD W-KW-HF
LIGHTS				1	2		SUMP PUMP
LIGHTS				3	4	20	SSDS-FAN #2 & #3
ELEV. LOBBY				5	6		FURNACE
LIGHTS				7	8		UNKNOWN (ON POSITION)
ALLEY GATE				9	10		UNKNOWN (OFF POSITION)
AIR CONDITIONER				11	12		AIR CONDITIONER

PANEL SCHEDULE							
PANEL BOARD_PPL-1B		LOCATION BUILDING 1-SECOND FLOOR		INSTALLATION		SURFACE	
RATINGS	100	AMPS	120/240	VOLTS	1	PH	3
MAIN LUGS	-	CB. INTERRUPTING RATING	-	-	RMS. SYMM. AMPS		
MAIN CIRCUIT BREAKER	-	AMPS	CONNECTED LOAD	-	KW, PANEL SIZE	12 SPACES	
DESCRIPTION	LOAD W-KW-HF	CB. AMPS	CIR	1 N 2	CIR	CB. AMPS	LOAD W-KW-HF
SSDS-FAN #4 & #5		20		1	2		UNKNOWN (OFF POSITION)
UNKNOWN (OFF POSITION)				3	4		UNKNOWN (OFF POSITION)
UNKNOWN (ON POSITION)				5	6		UNKNOWN (ON POSITION)
WATER HEATER (MAIN FOYER)				7	8		UNKNOWN (OFF POSITION)
UNKNOWN (ON POSITION)				9	10		UNKNOWN (ON POSITION)
FRIDGE. & MICROWAVE				11	12		UNKNOWN (ON POSITION)



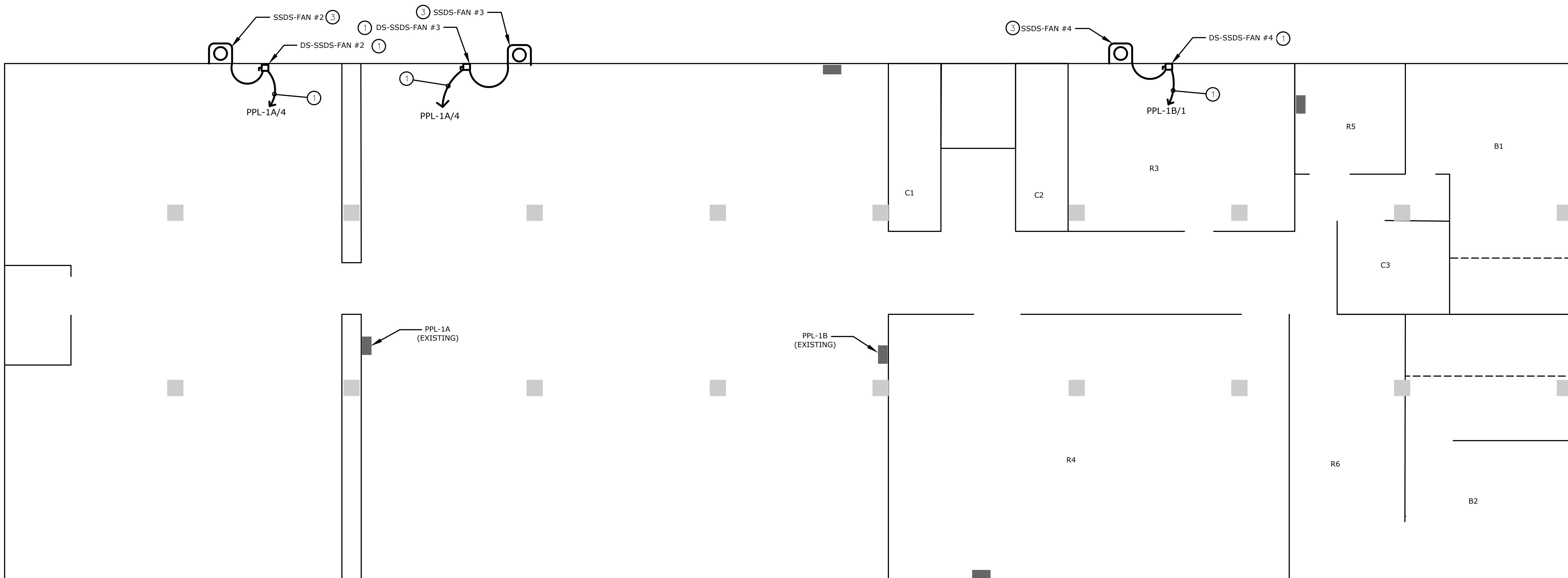
BUILDING 1 - ONE-LINE DIAGRAM

GENERAL NOTES

- COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO CONSTRUCTION.
- REFER TO CIVIL DRAWING FOR MORE DETAIL.
- ALL CONDUIT AND CONDUCTORS TO BE #12 AWG AND 3/4" EMT UNLESS OTHERWISE NOTED.

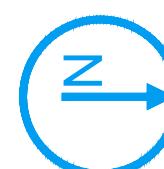
INSTALLATION NOTES:

- PROVIDE 2#12-#12 GND IN 3/4" EMT TO ASSOCIATED PANEL. PROVIDE 1P/20A DISCONNECT SWITCH WITH LOCKABLE COVER INSIDE BUILDING AT EACH FAN.
- UTILIZE EXISTING BREAKER IN THE OFF POSITION. CONFIRM WITH OWNER ANY CONNECTED CIRCUITS ARE ABANDONED AND NO LONGER IN USE.
- REFER TO DRAWING C-501 FOR ADDITIONAL FAN MOUNTING AND INSTALLATION DETAILS.



BUILDING 1 - SECOND FLOOR PLAN

5 0 5
SCALE: 1"=5'



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PRELIMINARY
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CONSTRUCTION
DATE: 10/27/2023

CLIENT
NEW YORK
STATE OF
OPPORTUNITY
Department of
Environmental
Conservation

ISSUED FOR REVIEW
NO. A 10/02/2023
DATE
REVISION
INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
E. MILES
DESIGNED BY M. WHALON
CHECKED BY D. LEMONCELLI
DRAWN BY K. MONETTE
PROJECT NO. 1940102945-002
DATE OCTOBER 2023

CERTIFICATE OF AUTHORIZATION: 17993
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
333 W. WASHINGTON ST. SYRACUSE, NY 13202
RAMBOLL

PROJECT
HARRISON PLACE VAPOR
INTRUSTION MITIGATION
ADDRESS
210 WALNUT ST, LOCKPORT NY, 14094

SHEET DESCRIPTION
BUILDING 1 - SECOND FLOOR PLAN
DRAWING LOCATION
LOCKPORT, NY

E-103

PANEL SCHEDULE							
PANEL BOARD PP-2A		LOCATION SUITE 52		INSTALLATION		SURFACE	
RATINGS	AMPS	120/240 VOLTS	1 PH	3 WIRE	60 HZ	GRD. BAR	①
MAIN LUGS	#	CB. INTERRUPTING RATING	#	RMS. SYMM. AMPS			
MAIN CIRCUIT BREAKER	#	AMPS	CONNECTED LOAD	- KW	PANEL SIZE	20 SPACES	
DESCRIPTION	LOAD W-KW-HF AMPS	CB. CIR	1 N 2	CIR AMPS	LOAD W-KW-HF	CB. CIR	DESCRIPTION
UNIT HEATER	20	1	2	20	OUTLETS	1	
② SSDS-FANS #6 & #15	20	3	4	20	LIGHTS	3	
SPACE		5	6	6	SPACE	5	
SPACE		7	8	8	SPACE	7	
SPACE		9	10	10	SPACE	9	
SPACE		11	12	12	SPACE	11	
SPACE		13	14	14	SPACE	13	
SPACE		15	16	16	SPACE	15	
SPACE		17	18	18	SPACE	17	
SPACE		19	20	20	SPACE	19	

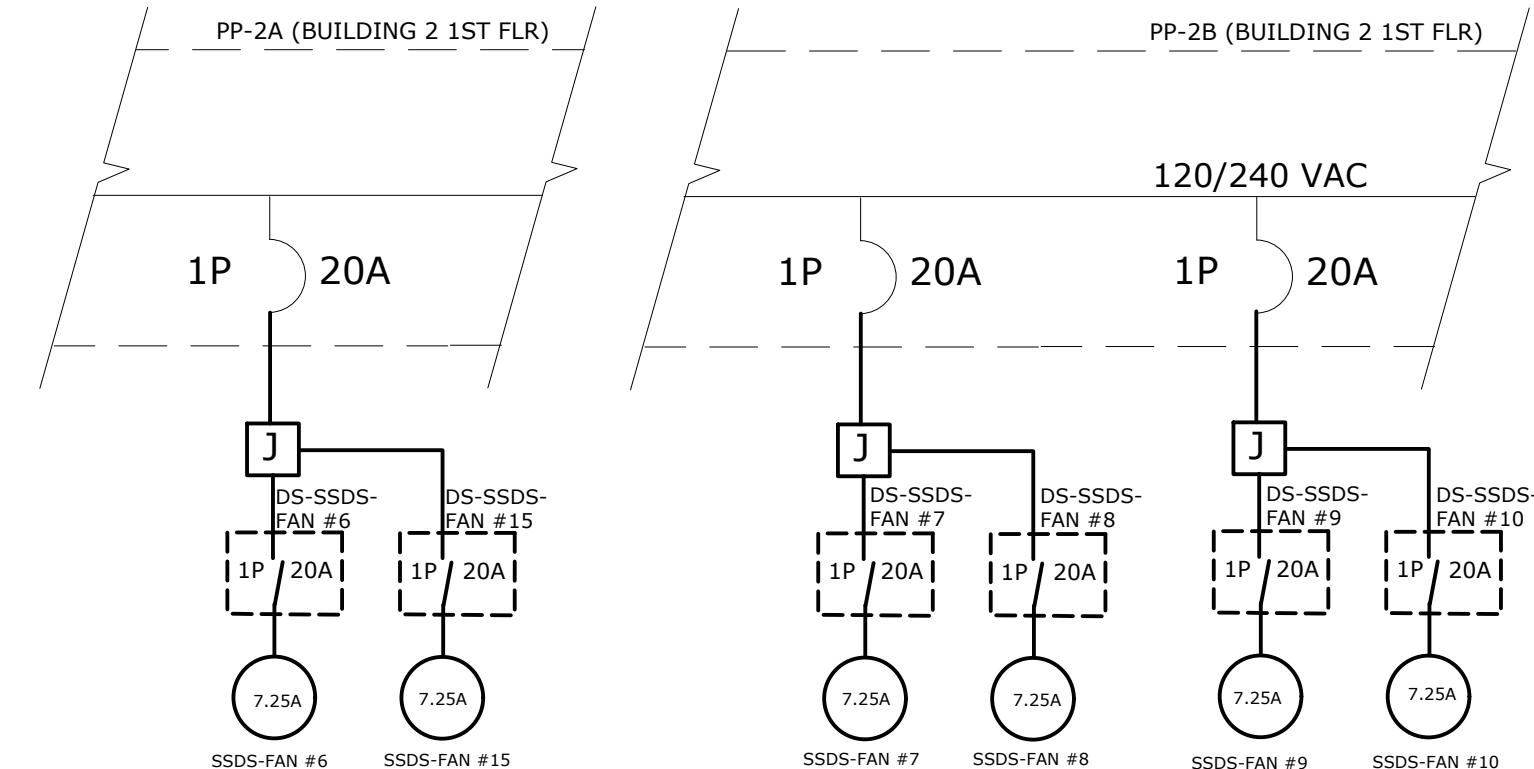
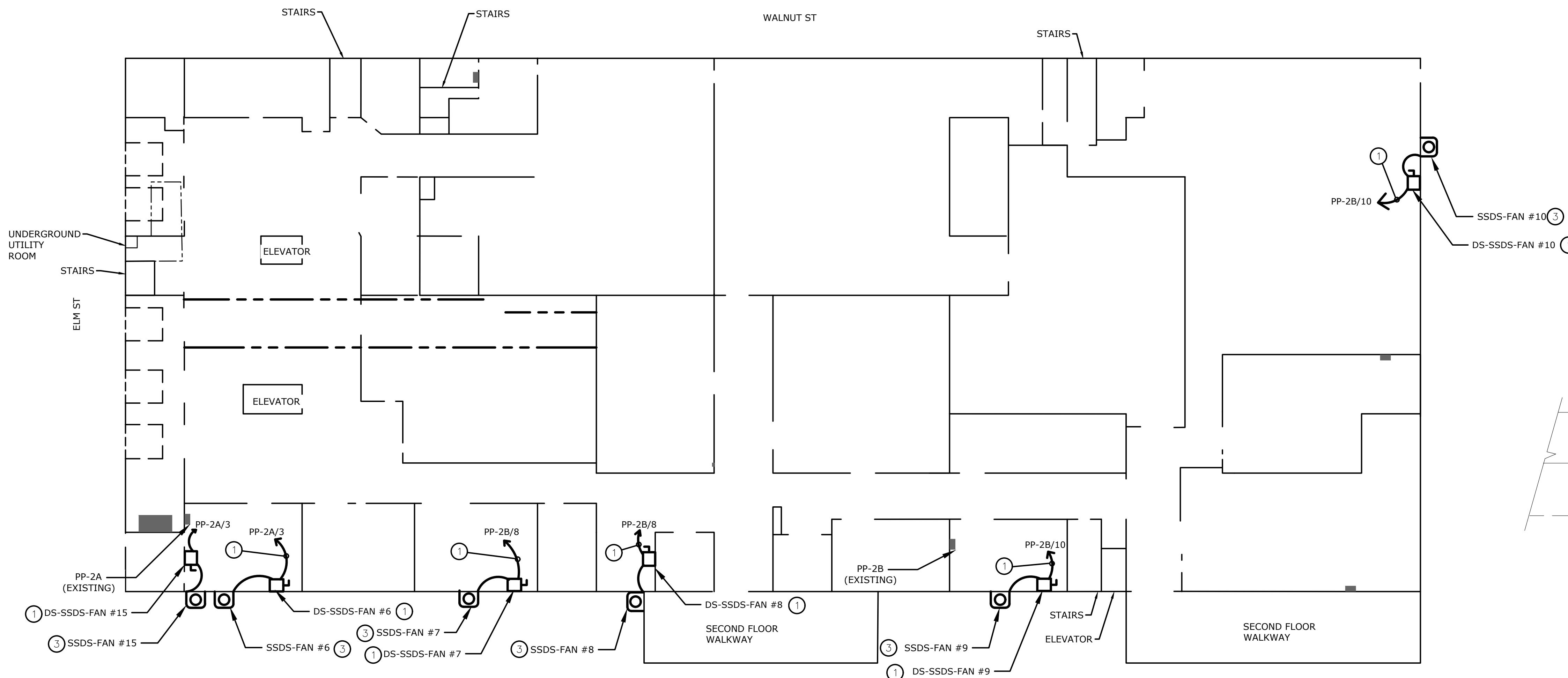
PANEL SCHEDULE							
PANEL BOARD PP-2B		LOCATION SUITE 40		INSTALLATION		SURFACE	
RATINGS	#	AMPS	120/240 VOLTS	1	PH	3	WIRE, 60 HZ, GRD. BAR, ①
MAIN LUGS		CB. INTERRUPTING RATING		10,000	RMS. SYMM. AMPS		
MAIN CIRCUIT BREAKER	100	AMPS	CONNECTED LOAD	-	KW	PANEL SIZE	30 SPACES
DESCRIPTION	LOAD W-KW-HF AMPS	CB. CIR	1 N 2	CIR AMPS	LOAD W-KW-HF	CB. CIR	DESCRIPTION
MAIN		100	1	2	20	1	PLUGS
COMPRESSOR	30	7	8	20	SSDS-FANS #7 & #8	2	
COMPRESSOR	30	9	10	20	SSDS-FANS #9 & #10	2	
COMPRESSOR	30	11	12	12	SPACE		
DRYER	20	13	14	14	SPACE		
SPACE		15	16	16	SPACE		
COMPRESSOR	20	17	18	18	SPACE		
HOT WATER	20	19	20	20	SPACE		
SPACE		21	22	22	SPACE		
SPACE		23	24	24	SPACE		
SPACE		25	26	26	SPACE		
SPACE		27	28	28	SPACE		
SPACE		29	30	30	SPACE		

GENERAL NOTES

1. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO CONSTRUCTION.
2. REFER TO CIVIL DRAWING FOR MORE DETAIL.
3. ALL CONDUIT AND CONDUCTORS TO BE #12 AWG AND 3/4" EMT UNLESS OTHERWISE NOTED.

INSTALLATION NOTES:

- ① PROVIDE 2#12-1#12 GND IN 3/4" EMT TO ASSOCIATED PANEL. PROVIDE 1P/20A DISCONNECT SWITCH WITH LOCKABLE COVER INSIDE BUILDING AT EACH FAN.
- ② PROVIDED 1P/20A CIRCUIT BREAKER IN LOCATION SHOWN. MATCH EXISTING PANEL MANUFACTURER AND RATING.
- ③ REFER TO DRAWING C-501 AND C-502 FOR ADDITIONAL FAN MOUNTING AND INSTALLATION DETAILS.



BUILDING 2 - FIRST FLOOR PLAN

SCALE: 1"-20'



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DATE: 10/27/2023

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STATE OF
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Department of
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Conservation

ISSUED FOR REVIEW
NO. DATE
A. 10/27/2023
REVISION
INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
E. MILES
DESIGNED BY M. WHALON
CHECKED BY D. LEMONCELLI
DRAWN BY K. MONETTE

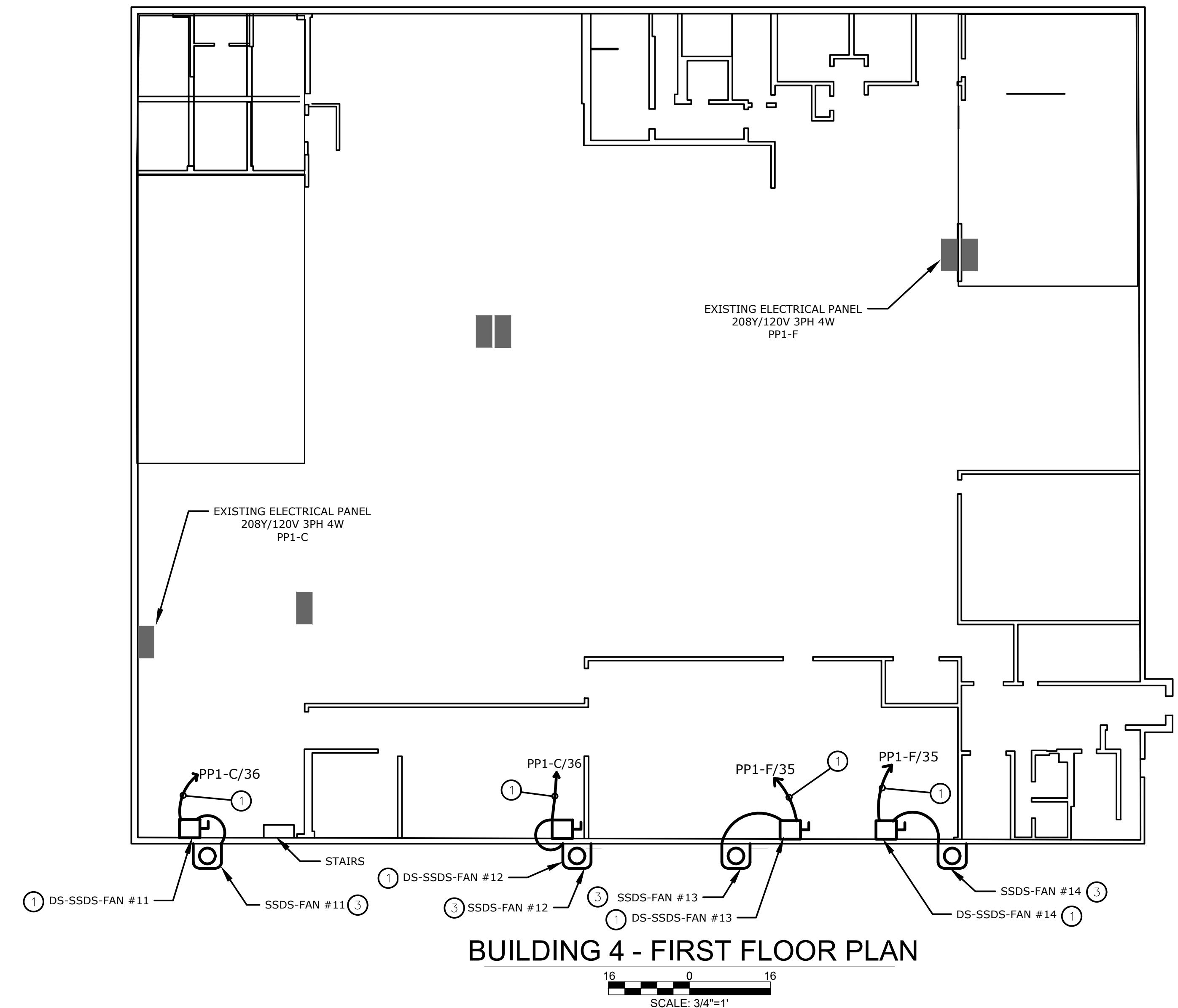
PROJECT NO. 1940102945-002
DATE OCTOBER 2023
CERTIFICATE OF AUTHORIZATION: 17993
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
333 W. WASHINGTON ST. SYRACUSE, NY 13202

RAMBOLL

PROJECT
HARRISON PLACE VAPOR
INTRUSTION MITIGATION
ADDRESS 210 WALNUT ST, LOCKPORT NY, 14094

SHEET DESCRIPTION
BUILDING 2 - FIRST FLOOR PLAN
DRAWING LOCATION
LOCKPORT, NY
E-104

E-104



IT IS A VIOLATION OF LAW FOR ANY PERSON,
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A 10/27/2023 ISSUED FOR REVIEW
NO. DATE REVISION INT.

DESIGNER / PROFESSIONAL ENGINEER RESPONSIBLE
E. MILES
DESIGNED BY M. WHALON PROJECT NO. 1940102945-002
CHECKED BY D. LEMONCELLI DATE OCTOBER 2023
DRAWN BY K. MONETTE

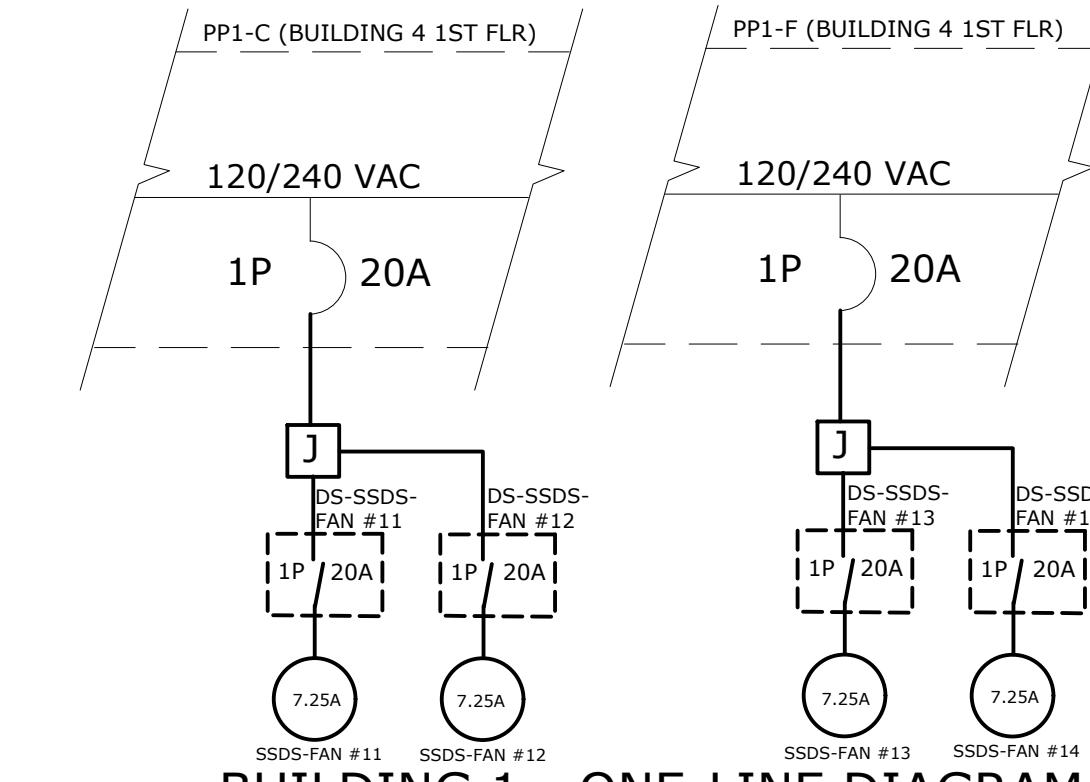
CERTIFICATE OF AUTHORIZATION: 17993
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC. 333 W. WASHINGTON ST. SYRACUSE, NY 13202

RAMBOLL

PROJECT
HARRISON PLACE VAPOR
INTRUSTION MITIGATION
ADDRESS 210 WALNUT ST, LOCKPORT NY, 14094

SHEET DESCRIPTION
BUILDING 4 - FIRST FLOOR PLAN
DRAWING LOCATION LOCKPORT, NY

E-105



BUILDING 1 - ONE-LINE DIAGRAM

GENERAL NOTES

1. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO CONSTRUCTION.
2. REFER TO CIVIL DRAWING FOR MORE DETAIL.
3. ALL CONDUIT AND CONDUCTORS TO BE #12 AWG AND 3/4" EMT UNLESS OTHERWISE NOTED.

INSTALLATION NOTES:

- 1 PROVIDE 2 #12-1#12 GND IN 3/4" EMT TO ASSOCIATED PANEL. PROVIDE 1P/20A DISCONNECT SWITCH WITH LOCKABLE COVER INSIDE BUILDING AT EACH FAN.
- 2 PROVIDED 1P/20A CIRCUIT BREAKER IN LOCATION SHOWN. MATCH EXISTING PANEL MANUFACTURER AND RATING.
- 3 REFER TO DRAWING C-501 FOR ADDITIONAL FAN MOUNTING AND INSTALLATION DETAILS.

PANEL SCHEDULE		LOCATION		BUILDING 2-FIRST FLOOR		INSTALLATION		SURFACE	
RATINGS		200		AMPS 120/240		VOLTS 1		PH 3	
MAIN LUGS		#		CB. INTERRUPTING RATING		10,000		RMS. SYMM. AMPS	
MAIN CIRCUIT BREAKER		100		AMPS		CONNECTED LOAD		- KW, PANEL SIZE	
DESCRIPTION	LOAD W-KW-HF	CB. AMPS	CIR	1 N 2	CIR AMPS	CB. AMPS	LOAD W-KW-HF	DESCRIPTION	
CONVENIENCE OUTLETS	20	1		2		2		MILL	
CONVENIENCE OUTLETS	20	3		4		30			
CONVENIENCE OUTLETS	20	5		6					
ROUTER	20	7		8		30		SMT NEODEM	
BAND SAW	20	9		10				220V DROP	
W/OUTSIDE	20	11		12		20			
220V OUTLETS	20	13		14		20		DRILL PRESS 120V DROP	
220V OUTLETS	20	15		16		20		BENCH 120V DROP	
120V BENCH DROPS	20	21		22		20		220V BELT SANDER	
120V BILL PRESS DROPS	20	23		24		20		FURNACE	
CONTACTOR FOR VACUUM	20	25		26					
UNKNOWN (ON POSITION)	20	27		28		60		CNC ROUTER	
SMT OVEN	100	31		32		30		SMI AOI	
CNC ROUTER SUCTION	50	35		36		20		SSDS-FANS #11 & #12	
UNKNOWN (ON POSITION)	20	37		38		40		UNKNOWN (ON POSITION)	

PANEL SCHEDULE		LOCATION		BUILDING 2-FIRST FLOOR		INSTALLATION		SURFACE	
RATINGS		#		AMPS 120/240		VOLTS 1		PH 3	
MAIN LUGS		#		CB. INTERRUPTING RATING		10,000		RMS. SYMM. AMPS	
MAIN CIRCUIT BREAKER		#		AMPS		CONNECTED LOAD		- KW, PANEL SIZE	
DESCRIPTION	LOAD W-KW-HF	CB. AMPS	CIR	1 N 2	CIR AMPS	CB. AMPS	LOAD W-KW-HF	DESCRIPTION	
1ST FLOOR TEST	20	1		2		20		ENGINEERING PLUGS	
COUNTER PLUGS	20	3		4		20		REPAIR PLUGS	
FINAL ASSEMBLY QUADS	20	5		6		20		BATH LIGHTS	
UNKNOWN (ON POSITION)	20	7		8		20		BATH GFI/SLOPSINK	
OFFICE PLUGS/FOYER PLUGS	20	9		10		20		UNKNOWN (ON POSITION)	
UNKNOWN (ON POSITION)	20	11		12		20		UNKNOWN (ON POSITION)	
UNKNOWN (ON POSITION)	20	13		14		20		UNKNOWN (ON POSITION)	
POWER POLE	20	15		16		20		UNKNOWN (ON POSITION)	
DROP	20	17		18		20		UNKNOWN (ON POSITION)	
POWER POLE	20	19		20		20		UNKNOWN (ON POSITION)	
POWER POLE	20	21		22		20		UNKNOWN (ON POSITION)	
FLOOR PLUG	20	23		24		20		UNKNOWN (ON POSITION)	
POWER POLE	20	25		26		20		UNKNOWN (ON POSITION)	
UNKNOWN (ON POSITION)	20	27		28		20		UNKNOWN (ON POSITION)	
UNKNOWN (ON POSITION)	20	29		30		20		UNKNOWN (ON POSITION)	
1ST FLOOR TEST BENCH	20	31		32		20		UNKNOWN (ON POSITION)	
1ST FLOOR TEST BENCH	20	33		34		20		UNKNOWN (ON POSITION)	
② SSDS-FANS #13 & #14	20	35		36		20		UNKNOWN (ON POSITION)	
SPACE	37			38		20		UNKNOWN (ON POSITION)	
SPACE	39			40		20		UNKNOWN (ON POSITION)	
SPACE	41			42		20		UNKNOWN (ON POSITION)	

PANEL SCHEDULE		LOCATION		BUILDING 2-FIRST FLOOR		INSTALLATION		SURFACE	
RATINGS		#		AMPS 120/240		VOLTS 1		PH 3	
MAIN LUGS		#		CB. INTERRUPTING RATING		10,000		RMS. SYMM. AMPS	
MAIN CIRCUIT BREAKER		#		AMPS		CONNECTED LOAD		- KW, PANEL SIZE	
DESCRIPTION	LOAD W-KW-HF	CB. AMPS	CIR	1 N 2	CIR AMPS	CB. AMPS	LOAD W-KW-HF	DESCRIPTION	
1ST FLOOR TEST	20	1		2		20		ENGINEERING PLUGS	
COUNTER PLUGS	20	3		4		20		REPAIR PLUGS	
FINAL ASSEMBLY QUADS	20	5		6		20		BATH LIGHTS	
UNKNOWN (ON POSITION)	20	7		8		20		BATH GFI/SLOPSINK	
OFFICE PLUGS/FOYER PLUGS									