

1 2nd Floor Plan (gross floor area: 4632 s.f.)
1/4" = 1'-0"



Prepared For:
New Day Farm LLC
Corham Maine

Consultant:
VIRIDIS ENGINEERING
20 Mechanic Street
Corham, Maine 04098
www.viridisingeering.com

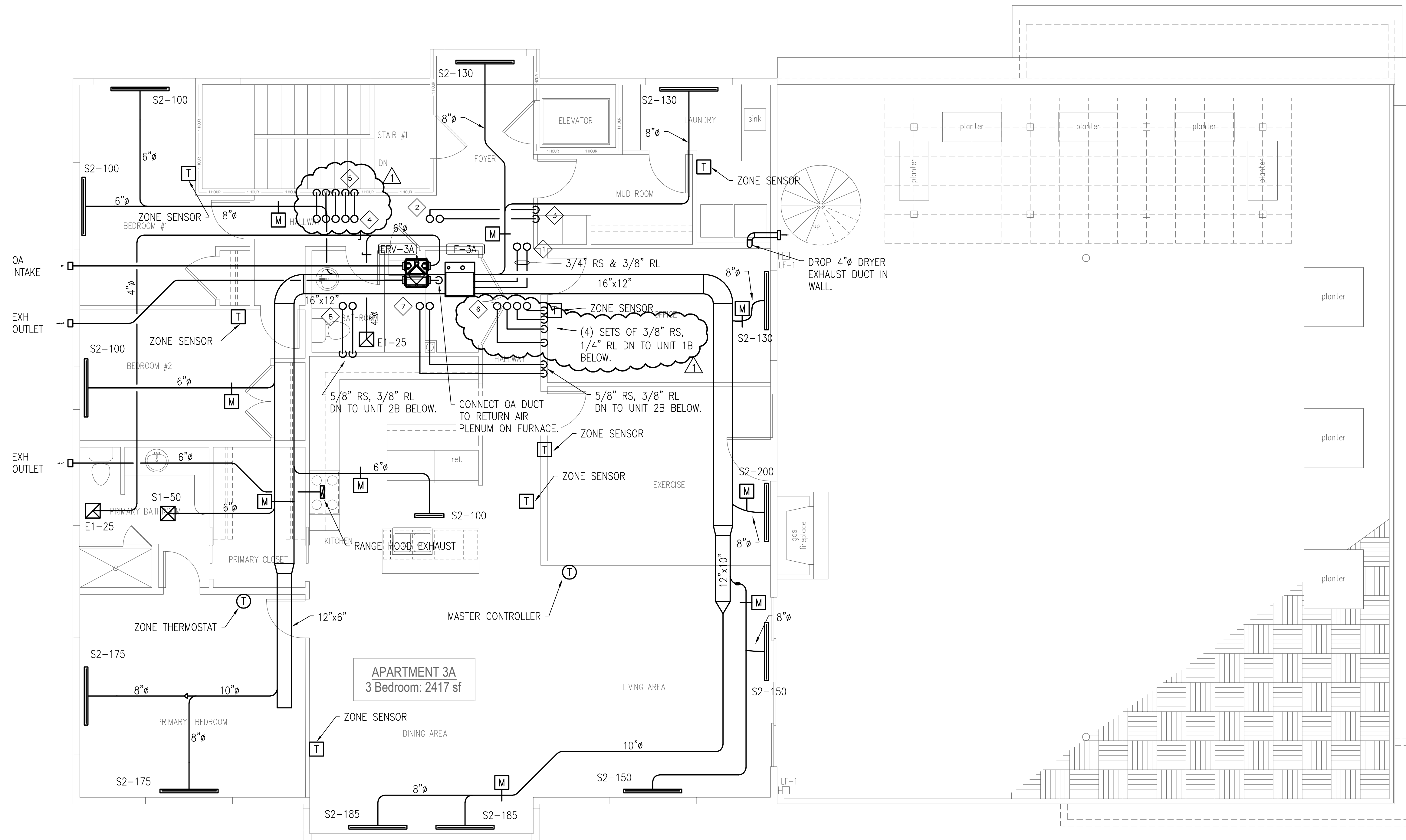
Architect:
ARCHETYPE architects
48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Project:
Sheridan Street Townhouses
152 Sheridan Street
Portland Maine 04101

Revisions:
1. ADDENDUM #1

Date: February 28, 2014
Scale: 1/4" = 1'-0"
**SECOND FLOOR
HVAC PLAN**

m1.2



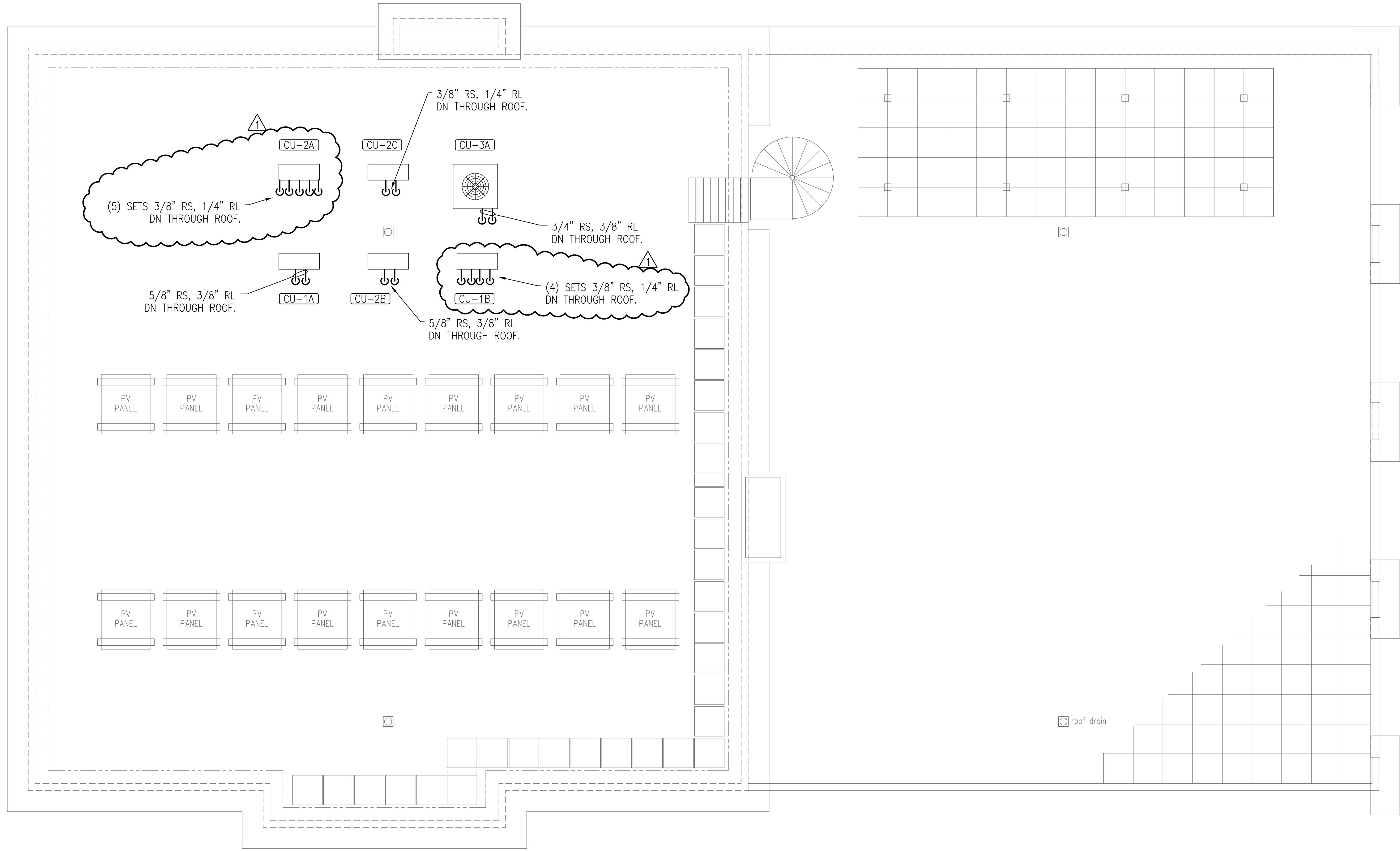
1 3rd Floor Plan (gross floor area: 2481 s.f.)
1/4" = 1'-0"

KEYED MECHANICAL NOTES:

- 1 3/4" REFRIG. GAS, 3/8" REFRIG. LIQUID UP TO CU-3A ON ROOF.
- 2 3/8" REFRIG. GAS, 1/4" REFRIG. LIQUID UP TO CU-2C ON ROOF.
- 3 3/8" REFRIG. GAS, 1/4" REFRIG. LIQUID DN IN WALL TO WALL HUNG AC UNIT IN UNIT 2C BELOW.
- 4 (5) SETS 3/8" REFRIG. GAS, 1/4" REFRIG. LIQUID UP TO CU-2A ON ROOF.
- 5 (5) SETS 3/8" REFRIG. GAS, 1/4" REFRIG. LIQUID DN TO UNIT 2A BELOW.
- 6 (4) SETS 3/8" REFRIG. GAS, 1/4" REFRIG. LIQUID UP TO CU-1B ON ROOF.
- 7 3/8" REFRIG. GAS, 1/4" REFRIG. LIQUID UP TO CU-2B ON ROOF.
- 8 3/8" REFRIG. GAS, 1/4" REFRIG. LIQUID UP TO CU-1A ON ROOF.



Date: February 28, 2014	Scale: 1/4" = 1'-0"	Revisions:	Project: Sheridan Street Townhouses 152 Sheridan Street Portland Maine 04101	Architect: ARCHETYPE architects 48 Union Wharf Portland, Maine 04101 (207) 772-6022 Fax (207) 772-4056	Consultant: VIRIDIS ENGINEERING 20 Mechanic Street Portland, Maine 04108 Telephone (207) 222-0044 www.viridisengineering.com	Prepared For: New Day Farm LLC Gorham Maine
			1. ADDENDUM #1			
			m1.3			



1 Roof Plan
1/4" = 1'-0"



Date: February 28, 2014	Scale: 1/4" = 1'-0"	Revisions: 1. ADDENDUM #1	Project: Sheridan Street Townhouses 152 Sheridan Street Portland Maine 04101	Architect: ARCHETYPE architects 48 Union Wharf Portland, Maine 04101 (207) 772-6022 Fax (207) 772-4056	Consultant: VIRIDIS ENGINEERING 20 Academy St. Gorham, Maine 04038 Telephone: (207) 232-0494 www.viridisingeering.com	Prepared For: New Day Farm LLC Gorham Maine
			ROOF HVAC PLAN			m1.4

FAN SCHEDULE

TAG	LOCATION	SERVICE	TYPE	ROOF/WALL OPENING	CFM	SP IN W.G.	DIAMETER IN.	RPM	ELECTRICAL DATA			TYPICAL UNIT MFG & MODEL NO.	NOTES		
									BHP	HP	VOLTS			PH	VFD
EF-1	PARKING GARAGE	PARKING GARAGE	SIWALL PROPELLER	14.5"x14.5"	750	0.10	12	1299	0.03	0.25	120	1	ECM	GREENHECK SE1-12-426-VG	1
EF-2	PARKING GARAGE	PARKING GARAGE	SIWALL PROPELLER	14.5"x14.5"	750	0.10	12	1299	0.03	0.25	120	1	ECM	GREENHECK SE1-12-426-VG	1
EF-3	UNIT 1B POWDER ROOM	UNIT 1B POWDER ROOM	BATHROOM CEILING FAN	N/A	75	0.20	8	900	54W		120	1	N/A	GREENHECK SP-B80	
EF-4,5,6,7	EXTERIOR WALL	UNIT 1B CLOTHES DRYER	INLINE DRYER BOOSTER FAN	4"ø	150	0.5	N/A	2,700	92W		120	1	N/A	FANTECH RVF 4XL	2

NOTES:
 1. PROVIDE WEATHERHOOD KIT WITH BIRDSCREEN, DISCONNECT SWITCH, AND GRAVITY DAMPER.
 2. PROVIDE DB10 PRESSURE SWITCH KIT TO AUTOMATICALLY TURN DRYER BOOSTER FAN ON.

ENERGY RECOVERY VENTILATOR SCHEDULE

TAG	FRESH AIR			EXHAUST AIR			EFFECTIVENESS			OPERATING WEIGHT (LBS)	ELECTRICAL REQUIREMENTS			MODEL NO.	NOTES:			
	FAN AIRFLOW (CFM)	FAN E.S.P. (IN. WC)	RPM	BRAKE HP (BHP)	FAN MOTOR (HP)	FAN AIRFLOW (CFM)	FAN E.S.P. (IN. WC)	RPM	BRAKE HP (BHP)		FAN MOTOR (HP)	SENSIBLE	WINTER TOTAL			SUMMER TOTAL	V/PH	MCA
ERV-1A	50	.25	-	-	-	50	.25	-	-	-	70	51	550	120/1	0.35	-	RENEWAIRE EV90	1,3
ERV-1B	50	.25	-	-	-	50	.25	-	-	-	70	51	550	120/1	0.35	-	RENEWAIRE EV90	1,3
ERV-2A	50	.25	-	-	-	50	.25	-	-	-	70	51	550	120/1	0.35	-	RENEWAIRE EV90	1,3
ERV-2B	50	.25	-	-	-	50	.25	-	-	-	70	51	550	120/1	0.35	-	RENEWAIRE EV90	1,3
ERV-2C	50	.25	-	-	-	50	.25	-	-	-	70	51	550	120/1	0.35	-	RENEWAIRE EV90	1,3
ERV-3A	50	.25	-	-	-	50	.25	-	-	-	70	51	550	120/1	0.35	-	RENEWAIRE EV90	1,2,3

NOTES:
 1. PROVIDE NON-FUSED DISCONNECT SWITCH PRIOR TO RECEPTACLE IF RECEPTACLE IS LOCATED ABOVE THE CEILING.
 2. PROVIDE FURNACE INTERLOCK SWITCH.
 3. PROVIDE 6" VINYL LOUVERED WALL CAP FOR INTAKE AND EXHAUST.

GAS-FIRED FURNACE SCHEDULE

TAG	CFM	ESP (IN W.C.)	INPUT MBH	OUTPUT MBH	ELECTRICAL		BASIS OF DESIGN MFG & MODEL NO.	NOTES	
					MCA	MOCP			
F-3A	2,100	0.50	120,000	114,000	13.5	15	115/1	TRANE TUHMD120ACV5VB	1

NOTES: 1. PROVIDE MATCHED 5-TON DX COIL.

SPLIT SYSTEM INDOOR UNIT SCHEDULE

TAG	UNIT TYPE	RATED COOLING CAPACITY (BTUH)	RATED HEATING CAPACITY (BTUH)	REFRIGERANT LINE SIZE	EFFICIENCY IEER/COP	ELECTRICAL		BASIS OF DESIGN	NOTES
						MCA	V/PH		
FC-A	WALL MOUNTED	9,000	10,900	3/8" RS 1/4" RL		1.0	230/1	MITSUBISHI MODEL MSZ-GE09NA-8	1,2
FC-B	WALL MOUNTED	12,000	13,600	3/8" RS 1/4" RL		1.0	230/1	MITSUBISHI MODEL MSZ-GE12NA-8	1,2
FC-C	WALL MOUNTED	18,000	21,600	5/8" RS 1/4" RL		1.0	230/1	MITSUBISHI MODEL MSZ-GE18NA-8	1,2
FC-D	WALL MOUNTED	9,000	10,900	3/8" RS 1/4" RL		1.0	230/1	MITSUBISHI MODEL MSZ-FE09NA-8	1,2

NOTES:
 1. PROVIDE A 3-POLE SINGLE THROW DISCONNECT SWITCH FOR ALL INDOOR UNITS.
 2. PROVIDE INTEGRAL CONDENSATE DRAIN PUMP ON ALL UNITS NOT LOCATED ON AN OUTSIDE WALL.

HEAT PUMP CONDENSING UNIT SCHEDULE

TAG	COOLING		HEATING CAPACITY (BTUH AT 5°F)	SEER/HSPF	REFRIGERANT	ELECTRICAL			WEIGHT	BASIS OF DESIGN	NOTES
	OUTDOOR AMBIENT (DEG. F)	GROSS CAPACITY (TOTAL BTUH)				MCA	MOCP	V/PH			
CU-1A	95	48,000	32,400	15/8.7	410A	32	50	230/1	278	MITSUBISHI MXZ-8B48NA	1
CU-1B	95	35,400	18,671	18/9.3	410A	23	25	230/1	153	MITSUBISHI MXZ-4B36NA-1	1
CU-2A	95	40,800	26,000	18.4/9.8	410A	36.2	40	230/1	192	MITSUBISHI MXZ-5B42NA	1
CU-2B	95	48,000	32,400	15/8.7	410A	32	50	230/1	278	MITSUBISHI MXZ-8B48NA	1
CU-2C	95	9,000	10,900	26/10.0	410A	12	15	230/1	80	MITSUBISHI MUZ-FE09NA-1	1
CU-3A	95	60,000		19/9.0	410A	31	50	230/1	430	TRANE 4TWZ0060A1	1, 2

NOTES:
 1. SUPPORT ON PRESSURE TREATED SLEEPERS.
 2. HEAT PUMP SHALL BE USED FOR FIRST STAGE OF HEATING. GAS FURNACE SHALL BE USED AS SECOND STAGE OF HEATING.

Prepared For:
New Day Farm LLC

Consultant:
VIRIDIS ENGINEERING
 20 Mechanic Street
 Telephone: (207) 222-0014
 www.viridisengineering.com

Architect:
ARCHETYPE architects
 48 Union Wharf Portland, Maine 04101
 (207) 772-6022 Fax: (207) 772-4056

Project:
Sheridan Street Townhouses
 152 Sheridan Street
 Portland Maine 04101

Revisions:
 1. ADDENDUM #1

Date: February 28, 2014
 Scale: NO SCALE
MECHANICAL SCHEDULES & DETAILS

m2.0

