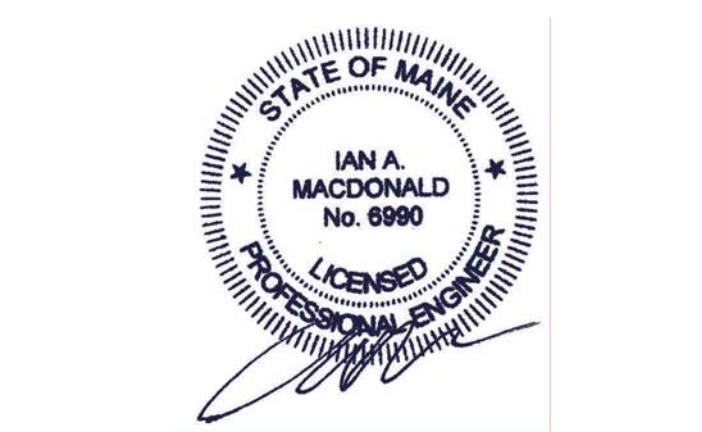


160 Veranda Street
Portland, Maine 04103
P: 307.221.2366
F: 307.221.2366
Web: www.allied-eng.com



Graphic Scale: 1" = 12' 0"

The Park Danforth

777 Stevens Ave, Portland, ME, 04103

NO.	DESCRIPTION	DATE
1	Addendum No. 2	2015-06-25



CONTENT:
MECHANICAL SCHEDULES

DRAWN BY: REW

PROJECT NO: 12-056-00

DATE: 6/5/2015

REVISION:

SCALE: AS NOTED

MH6.0

Project Phase

100% CONSTRUCTION DRAWINGS

COPYRIGHT © 2014 BY LAVALLEE BRENSINGER PROFESSIONAL ASSOCIATION. ALL RIGHTS RESERVED. NO REPRODUCTION WITHOUT PERMISSION.

TAG	MAKE - MODEL	TYPE	AIR SYSTEM	DUTY	CFM	WIDTH (in.)	HEIGHT (in.)	DIMENSIONS				BEGINNING POINT OF WATER PENETRATION AT 0.01 OZ/SF	MAX F.P.D. MAX W.C.	SCREEN
								MIN. FREE AREA (SF)	FREE AREA VELOCITY (FT/MIN)	GROSS VELOCITY (FT/MIN)	% FREE AREA			
L-G1	GREENHECK ESD-603	STATIONARY	EF-G GARAGE	INTAKE	13,800	69	94.5	25.43	304.8	542.7	56.2%	1,027 FPM	0.06"	SEE SPEC
L-G2	GREENHECK AFA-801	STATIONARY ACOUSTICAL	EF-G GARAGE	EXHAUST	13,800	84	60	11.78	394.3	1,171.5	33.7%	879 FPM	0.06"	SEE SPEC
L-EA	GREENHECK ELF375DX	STATIONARY	ELEVATOR	ELEVATOR VENT	---	36	24	2.97	---	---	49.5%	873 FPM	0.04"	SEE SPEC
L-EB	GREENHECK ELF375DX	STATIONARY	ELEVATOR	ELEVATOR VENT	---	36	24	2.97	---	---	49.5%	873 FPM	0.04"	SEE SPEC
L-B	GREENHECK ELF375DX	STATIONARY	BOILER COMB. AIR	INTAKE	1,000	24	32	2.51	187.5	396.4	33.7%	873 FPM	0.04"	SEE SPEC

NOTES:
1. PROVIDE MULTIPLE SECTIONS AS REQUIRED - IF WIDTH EXCEEDS MAXIMUM LOUVER WIDTH
2. SEE ARCHITECTURAL PLAN ELEVATIONS FOR EXACT SIZES.

SYSTEM	AC-1	AC-2	AC-E	AC-D
QUANTITY	SEE PLANS	SEE PLANS	2	1
SERVES	TYP. 1 BR APARTMENT, OFFICE-6014	TYP. 2 BR APARTMENT, MEDIA, MULTI-PURPOSE	ELEV MACHINE ROOMS	EQUIPMENT 132A
COOLING BTUH	9,000	12,000	30,000	24,000
HEATING BTUH	12,000	14,400	0	0
REFRIGERANT	R410A	R410A	R410A	R410A
VOLTAGE/PHASE	208/1/60	208/1/60	208/1/60	208/1/60
SEER	24.5	23.0	19.3	20.0
HSPF	12.5	12.5	---	---
EFFICIENCY MAINE MINIMUM HSPF	12.0	12.0	---	---
EFFICIENCY MAINE REBATE, \$/UNIT	\$1,000.00	\$1,000.00	\$0.00	\$0.00
EFFICIENCY MAINE REBATE	\$1,000.00	\$1,000.00	\$0.00	\$0.00
MCA	8.0	8.75	19.5	16.5
MOPC	15	15	20	20
INDOOR UNIT:	AC-1	AC-2	AC-E	AC-D
DAIKIN MODEL NO.	FTXS09LJUJ	FTXS12LVJUJ	FTXS30LVJUJ	FHQ24PVJUJ
ARRANGEMENT	WALL MOUNT	WALL MOUNT	WALL MOUNT	CLG SUSPENDED
DIMENSIONS: H X W X D	11 1/8 x 31 1/2 x 8 1/16	11 1/8 x 31 1/2 x 8 1/16	13-3/8 x 47-1/4 x 9-7/16	7-1/16 x 62-5/8 x 26-3/4
WEIGHT, LBS.	20	22	38	90
CFM HIGH	420	440	706	790
CFM LOW	215	215	473	670
SOUND dBA - HIGH CFM	41	41	47	51
COND. DRAIN SIZE	5/8"	5/8"	5/8"	1"
OUTDOOR COND. UNIT:	CU-1	CU-2	CU-E	CU-D
DAIKIN MODEL NO.	RXS09LVJUJ	RXS12LVJUJ	RKS30LVJUJ	RZR24PVJUJ
SOUND dBA - HIGH	47	47	54	62
DIMENSIONS	21 1/2 x 30 1/2 x 11 1/4	28 1/2 x 32 1/2 x 11 1/4	30 1/2 x 35 1/2 x 12 1/4	30-5/16 x 35-7/16 x 12-5/8
WEIGHT, LBS.	75	75	179	199
MAX. PIPE LENGTH, FT	65	65	98	164
MAX. PIPE HEIGHT, FT	49	49	65	98
LIQUID LINE SIZE	1/4"	1/4"	3/8"	3/8"
HOT GAS LINE SIZE	3/8"	3/8"	5/8"	5/8"

NOTES:
1. POWER TO CUS BY DIV 26. WIRING BETWEEN AC AND CU PROVIDED BY DIV 23.
2. AC-D: PROVIDE CONDENSATE PUMP AND WIND BAFFLE FOR OPERATION TO OF.

SYSTEM	INDOOR UNIT #1	INDOOR UNIT #2	INDOOR UNIT #3	INDOOR UNIT #4	CONDENSING UNIT
CU-1	BEAUTY	SHARED CONSULT	---	---	GRADE
CU-3	AC-3A	AC-3B	---	---	CU-3
CU-3	C-09	W-07	---	---	DAI2MXS18NMVJU
CU-4	CASSETTE	WALL	---	---	---
CU-4	WELLNESS	WELLNESS	CONSULT	---	GRADE
CU-4	AC-4A	AC-4B	AC-4C	---	CU-4
CU-4	C-15	C-09	AC-09	---	DAI3MXS24NMVJU
CU-4	CASSETTE	CASSETTE	CASSETTE	---	---
CU-5	STORE	OFFICE 2	OFFICE 3	OFFICE 1	GRADE
CU-5	AC-5A	AC-5B	AC-5C	AC-5D	CU-5
CU-5	C-12	C-09	C-09	C-09	DAI4MXS36NMVJU
CU-5	CASSETTE	CASSETTE	CASSETTE	CASSETTE	---
CU-6	PUB	BISTRO	BISTRO	---	GRADE
CU-6	AC-6A	AC-6B	AC-6C	---	CU-6
CU-6	C-15	C-12	C-12	---	DAI4MXS36NMVJU
CU-6	CASSETTE	CASSETTE	CASSETTE	---	---
CU-7	WORKROOM	ACTIVITY MGR.	ACTIVITY	GARDEN CONN.	GRADE
CU-7	AC-7A	AC-7B	AC-7C	AC-7D	CU-7
CU-7	C-09	C-09	W-15	W-09	DAI4MXS36NMVJU
CU-7	CASSETTE	CASSETTE	WALL	WALL	---
CU-8	MTG. SUITE	MTG. COORD	MTG. CONF.	DIRECTOR	GRADE
CU-8	AC-8A	AC-8B	AC-8C	AC-8D	CU-8
CU-8	W-09	W-09	W-09	W-09	DAI4MXS36NMVJU
CU-8	WALL	WALL	WALL	WALL	---
CU-9	SOLARIUM	SOLARIUM	VESTIBULE AREA	FARM PORCH	GRADE
CU-9	AC-9A	AC-9B	AC-9C	AC-9D	CU-9
CU-9	C-15	C-15	W-12	W-12	DAI4MXS36NMVJU
CU-9	CASSETTE	CASSETTE	WALL	WALL	---
CU-10	APT 2ND-CENTER	APT 3RD-CENTER	APT 4TH-CENTER	APT 5TH-CENTER	ROOF
CU-10	AC-10A	AC-10B	AC-10C	AC-10D	CU-10
CU-10	W-12	W-12	W-12	W-12	DAI4MXS36NMVJU
CU-10	WALL	WALL	WALL	WALL	---
CU-11	LOBBY 1010	BUS - MAIL 1016	LOBBY 1010	---	GARAGE
CU-11	AC-11A	AC-11B	AC-11A	---	CU-11
CU-11	C-12	C-09	C-12	---	DAI4MXS36NMVJU
CU-11	CASSETTE	CASSETTE	CASSETTE	---	---
CU-12	GROUP RM 2004	GROUP RM 4004	CONF. RM 5004	---	ROOF
CU-12	AC-12A	AC-12B	AC-12C	---	CU-12
CU-12	C-12	C-12	C-12	---	DAI4MXS36NMVJU
CU-12	CASSETTE	CASSETTE	CASSETTE	---	---
CU-13	BOARD RM	HR	STAFF BREAK	---	GRADE
CU-13	AC-13A	AC-13B	AC-13C	---	CU-13
CU-13	W-15	W-15	W-12	---	DAI3MXS24NMVJU
CU-13	WALL	WALL	WALL	---	---
CU-14	COO	FACIL. DIR.	DIR. FINANCE	CFG	GARAGE
CU-14	AC-14A	AC-14B	AC-14C	AC-14D	CU-14
CU-14	W-09	C-09	C-09	C-09	DAI4MXS36NMVJU
CU-14	WALL	CASSETTE	CASSETTE	CASSETTE	---
CU-15	EXEC ASSIST.	CEO	OPEN OFFICE	MAIL-COPY	GARAGE
CU-15	AC-15A	AC-15B	AC-15C	AC-15D	CU-15
CU-15	C-09	C-12	C-09	C-09	DAI4MXS36NMVJU
CU-15	CASSETTE	CASSETTE	CASSETTE	CASSETTE	---
CU-16	FILE	ACC. ASSIST	COFFEE	CORR.	GARAGE
CU-16	AC-16A	AC-16B	AC-16C	AC-16D	CU-16
CU-16	C-09	W-09	W-09	W-09	DAI4MXS36NMVJU
CU-16	CASSETTE	WALL	WALL	WALL	---

GENERAL	ITEM	RTU-1	MUA-1
SERVES	AUDITORIUM	BISTRO MJA	BISTRO MJA
MOUNTING	ROOF	GRADE	GRADE
MFR	DAIKIN	DAIKIN	DAIKIN
MODEL	DPS3008A	DPS303A	DPS303A
TYPE	VAV - SINGLE ZONE	VAV - SINGLE ZONE	VAV - SINGLE ZONE
TONS	6.35	3.16	3.16
IEER	19.3	16.5	16.5
EER	11.3	13.2	13.2
VOLTS-PH-HZ	208/3	208/3	208/3
MCA/MCB	31.6/45	15.7/20	15.7/20
DISCONNECT SW. FURN BY	UNIT. MFR.	UNIT. MFR.	UNIT. MFR.
SMOKE DETECTOR (SD)	YES	YES	YES
SD FURN BY	DN 26	---	---
SD INSTALLED IN DUCT BY	DN 23	---	---
SD WIRED TO HVAC CONTROLS BY	DN 23	---	---
SD WIRED TO FIRE ALARM BY	DN 26	---	---
FILTER SECTION	TYPE	MERV 8	MERV 8
SUPPLY FAN	DRIVE	DIRECT - ECM MOTOR	DIRECT - ECM MOTOR
APPROX. CFM	1,380	1,380	1,380
MIN OUTSIDE AIR - 835 CFM TOTAL	435 CFM RTU-1 (+400 CFM FROM ERU-B)	1,380	1,380
ESP. in.w.c.	0.75"	0.85"	0.85"
MBTUH (OUTPUT) MAX.	128.0	128.0	128.0
MBTUH (INPUT) MAX.	160.0	160.0	160.0
EXCHANGER	SS	SS	SS
GAS	NATURAL GAS	NATURAL GAS	NATURAL GAS
HEATING STAGES	5 TO 1 MODULATING	5 TO 1 MODULATING	5 TO 1 MODULATING
MIN GAS INLET PRESSURE	7"	7"	7"
MAX GAS INLET PRESSURE	14"	14"	14"
ECONOMIZER	BAROMETRIC	ENTHALPY	---
DX COOLING COIL	ENT. AIR DB/WB	78 / 62	78 / 62
TMBTUH	76.203	37.900	37.900
SMBTUH	83.064	32.900	32.900
FACE AREA	6.0	4.8	4.8
FACE VELOCITY	450	288	288
REFRIGERANT	R410A	R410A	R410A
CONDENSING SECTION	AMBIENT DB DEG-F	95	95
MIN STAGES OF COOLING	MODULATING SCROLL	MODULATING SCROLL	MODULATING SCROLL
OVERALL DIMENSIONS	LENGTH	87"	87"
WIDTH	67"	67"	67"
HEIGHT	41"	41"	41"
CURB HEIGHT	14"	39"	39"
OVERALL HEIGHT	55"	71"	71"
OPERATING WEIGHT (LBS)	1,500	1,300	1,300

SIZE	W-07	W-09	W-12	W-15	C-09	C-12	C-15
COOLING BTUH	7,000	9,000	11,500	15,000	9,000	11,500	15,000
HEATING BTUH	7,000	9,000	11,500	13,420	9,000	11,500	13,420
REFRIGERANT	R410A	R410A	R410A	R410A	R410A	R410A	R410A
DAIKIN MODEL NO.	CTXS07LVJUJ	CTXS09LVJUJ	CTXS12LVJUJ	FTXS15LVJUJ	FFQ09LVJUJ	FFQ12LVJUJ	FFQ15LVJUJ
ARRANGEMENT	WALL MOUNT	WALL MOUNT	WALL MOUNT	WALL MOUNT	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE
DIMENSIONS: H X W X D	11-5/8 x 31-1/2 x 8-7/16	11-7/16 x 31-5/16 x 9-3/8	11-7/16 x 31-5/16 x 9-3/8	13 x 45-1/16 x 16-7/8	11 1/4 x 22 5/8 x 22 5/8	---	---
WEIGHT, LBS.	29	31	44	44	39	44	44
CFM HIGH	350	388	388	568	318	318	318
CFM LOW	145	283	283	360	230	230	230
SOUND dBA - HIGH CFM	38	38	38	38	35	35	35
ELECTRICAL	208-1-60	208-1-60	208-1-60	208-1-60	208-1-60	208-1-60	208-1-60
ELECTRICAL WATTS	21	45	45	45	45	45	45
COND. DRAIN SIZE	5/8"	1 1/16"	1 1/16"	1 1/16"	1 1/16"	1 1/16"	1 1/16"
LIQUID LINE SIZE	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
GAS LINE SIZE	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
OUTDOOR COND. UNIT:							
DAIKIN MODEL NO.	DAI2MXS18NMVJU	DAI3MXS24NMVJU	DAI4MXS36NMVJU				
MINIMUM HSPF	10.0	10.0	10.0				
MCA	11.1	17.8	18.0				
MOP	20	20	20				
SOUND dBA - HIGH	52	52	52				
DIMENSIONS: L X W X H		35-7/16 X 15 X 30-5/16	35-7/16 X 15 X 30-5/16				
WEIGHT, LBS.	144	198	198				
LIQUID LINE SIZE	1/4", 1/4"	1/4", 1/4", 1/4"	1/4", 1/4", 1/4"				
HOT GAS LINE SIZE	3/8", 3/8"	3/8", 1/2", 5/8"	3/8", 1/2", 5/8", 5/8"</				