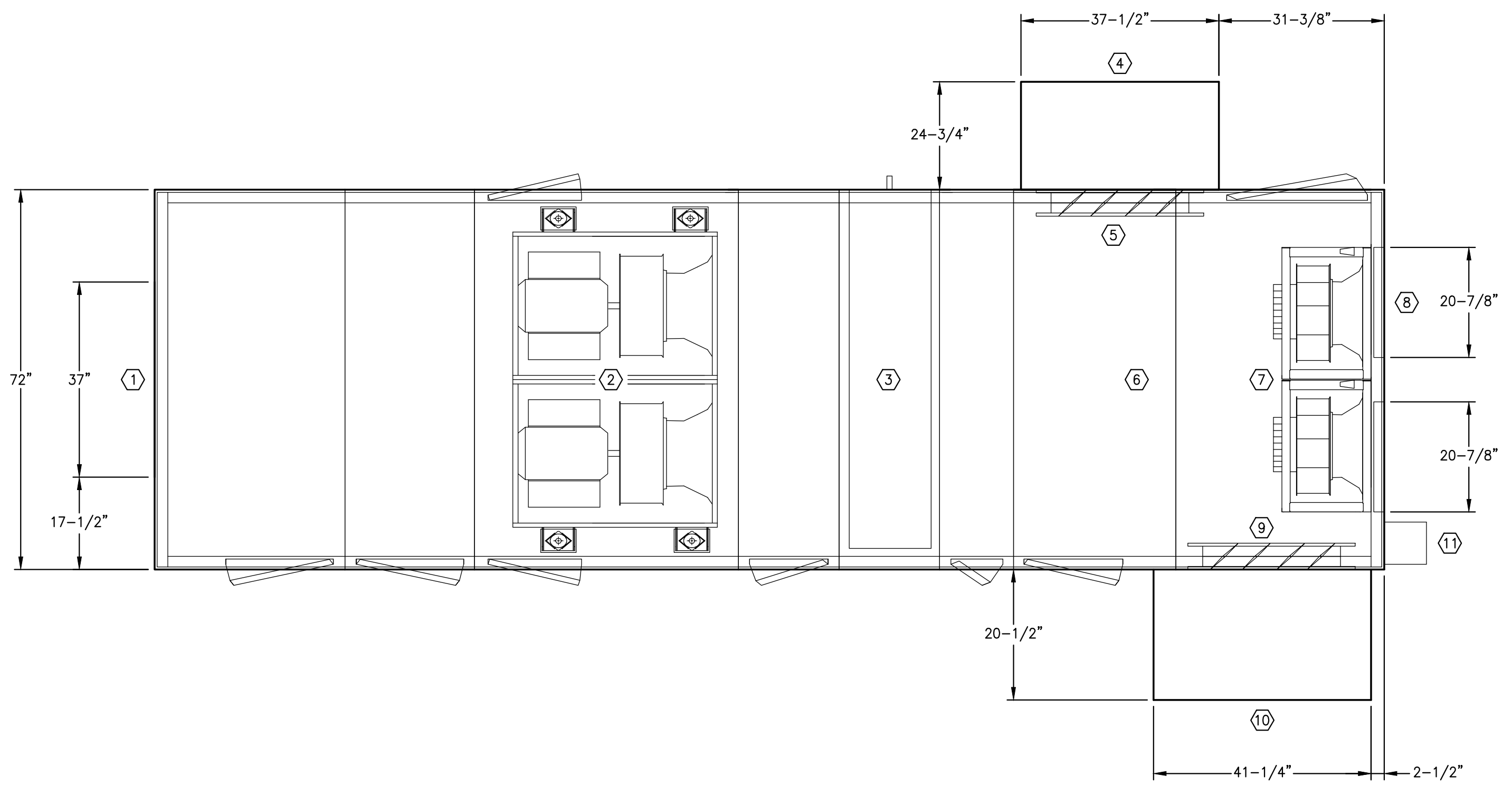


225 Franklin Street, Suite 1100
Boston, MA 02110
1 617 478 0300
1 617 478 0321
www.perkinswill.com

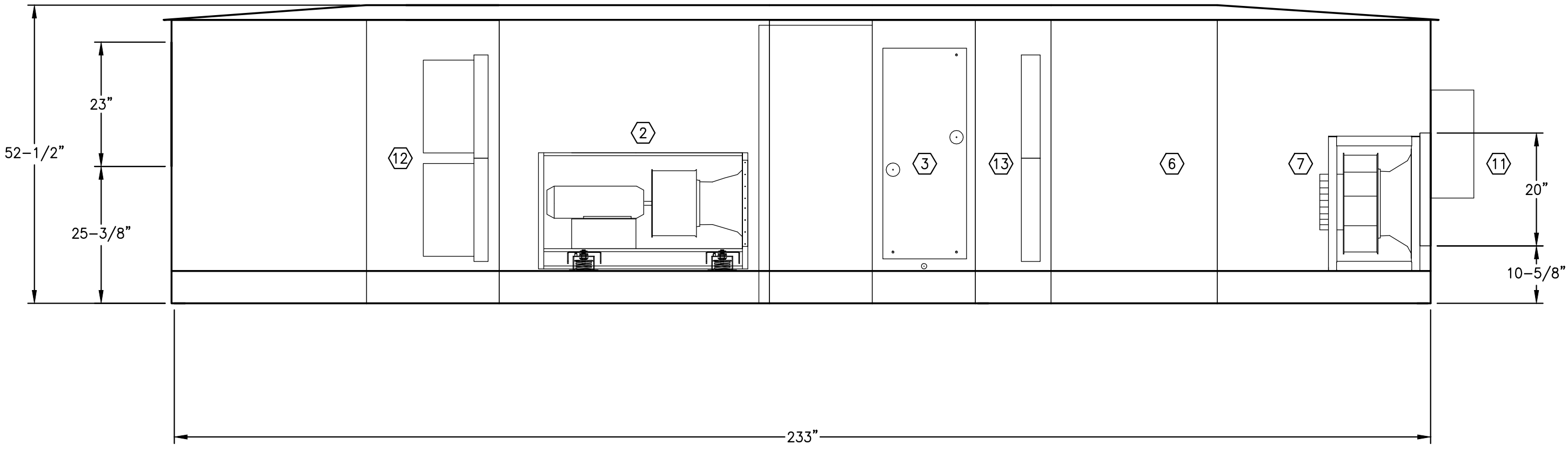
CONSULTANTS

AKF GROUP LLC
MEPP
99 Bedford St., 2nd Floor
Boston, MA 02111
1 617 737 1111
1 617 737 4311

**STRUCTURAL
SGH INC.**
41 Seyon St.
Waltham, MA 02453
1 781 907 9000
1 781 907 9009

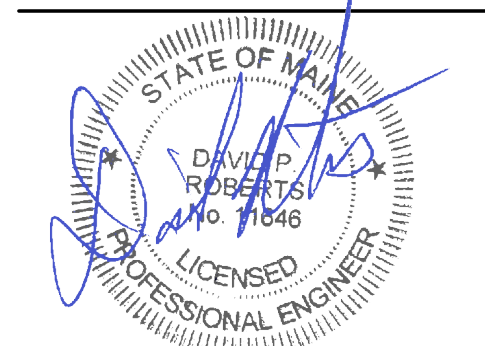


1 RTU PLAN VIEW
SCALE: NTS



1 RTU ELEVATION VIEW
SCALE: NTS

UNIT OVERALL WEIGHT: 4,700 LBS



PROJECT

**ACCU
RELOCATION**
22 Bramhall Street
Portland, Maine 04102



**MAINE MEDICAL
CENTER**
22 Bramhall Street
Portland, Maine 04102

COIL No.	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	PERFORMANCE DATA											CONSTRUCTION DATA					FACE VELOCITY (FPM)	DRY WEIGHT EACH COIL (LBS)	REMARKS		
			AIR			35% PROPYLENE GLYCOL					FACE AREA EA. COIL (SQ. FT.)	ROWS DEEP	FINS PER FOOT	No. OF SECTIONS	ARRANGEMENT								
			CFM	MIN O.A. (CFM)	SP (IN. W.G.)	EDB (°F)	LDB (°F)	LWB (°F)	GPM	PD (FT. H ₂ O)					EWI (°F)	LWT (°F)	VELOCITY (FPS)	COILS HIGH				COILS WIDE	
CC-10-01	276.1	202.3	7,500	2,475	0.73	78.0	65.0	53.0	52.7	60.7	14.8	45.0	55.0	3.0	15.63	8	97	1	1	1	480	950	1, 2

- NOTES:
1. S.S. CASING
2. PROVIDE COOLING COILS WITH BOTTOM DRAIN TO ALLOW FULL DRAINING OF COILS.

RTU-10-01 COMPONENTS (LAYOUT BASED ON TRANE MODEL CSAA017UB):

- ① SA OPENING 23x37
- ② SUPPLY FAN SECTION, SF-12
- ③ CC-12
- ④ OUTDOOR AIR HOOD
- ⑤ OUTDOOR AIR DAMPER
- ⑥ RETURN AIR DAMPER
- ⑦ RETURN FAN SECTION, RF-12
- ⑧ RA OPENING (2) 21X21
- ⑨ EXHAUST AIR DAMPER
- ⑩ EXHAUST AIR HOOD
- ⑪ EXTERNAL UNIT CONTROLLER
- ⑫ F-10-01 - 12" CARTRIDGE FILTER, MERV-15
FF-10-01 - 2" PLEATED FLAT FILTER, MERV-8
- ⑬ PF-12 - 2" PLEATED FLAT FILTER, MERV-8

UNIT No.	SERVICE	FAN TYPE	FAN QUANTITY	PERFORMANCE DATA				MOTOR DATA				ELECTRICAL DATA				VIBRATION ISOLATION			REMARKS
				CFM EACH	TOTAL SP (IN. W.G.)	EXT SP (IN. W.G.)	RPM	BHP EACH	MAX. OV (FPM)	MHP EACH	DRIVE TYPE	STARTER TYPE	VOLTS	PHASE	HZ	MOUNTING TYPE	BASE TYPE	MIN. STATIC DEFLECTION (IN.)	
				CFM	TOTAL SP (IN. W.G.)	EXT SP (IN. W.G.)	RPM	BHP EACH	MAX. OV (FPM)	MHP EACH	DRIVE TYPE	STARTER TYPE	VOLTS	PHASE	HZ	MOUNTING TYPE	BASE TYPE	MIN. STATIC DEFLECTION (IN.)	
SF-10-01	SUPPLY	PLENUM	2	3,750	5.2	2.0	2,636	4.7	375	15	DIRECT	VFD	480	3	60	SPRING		2	1, 2
RF-10-01	SUPPLY	PLENUM	2	3,750	2.4	2.0	1,791	2.3	375	10	DIRECT	X-LINE	480	3	60	SPRING		2	2, 3

- NOTES:
1. FAN MOTOR VFDs SHALL BE FACTORY FURNISHED AND INSTALLED.
2. POWER FOR UNIT SHALL BE PROVIDED VIA SINGLE-POINT CONNECTION WITH ELECTRICAL CHARACTERISTICS OF 480V/3PH/60Hz, MCA OF 29.25A, AND AN MOP OF 45A.
3. RETURN FAN SHALL BE MOTORIZED IMPELLER TYPE. FAN SPEED AND MODULATION CONTROL THROUGH INTEGRAL PID CONTROLLER ACCEPTING 0-10V DC INPUT. NO VIBRATION ISOLATION NECESSARY.

DESIGNATION	LOCATION	SERVICE	FILTER TYPE	CFM	FACE VELOCITY	PRESSURE DROP (IN W.C.)			No. OF CELLS	COIL DIMENSIONS (IN)			REMARKS
						INITIAL	FINAL	AVG		HIGH	WIDTH	DEPTH	
						INITIAL	FINAL	AVG		HIGH	WIDTH	DEPTH	
PF-10-01	RTU-10-01	O.A. / R.A.	MERV-8	7,500	400	0.61	0.61	0.61	2	4	2	2"	2" PLEATED FLAT FILTER
F-10-01	RTU-10-01	SA	MERV-8	7,500	400	0.61	0.61	0.61	2	4	2	2"	2" PLEATED FLAT FILTER
FF-10-01	RTU-10-01	SA	MERV-15	7,500	400	0.73	0.73	0.73	2	4	12	12"	CARTRIDGE FILTER

06.24.2016

ISSUE CHART

NO.	ISSUE	DATE
	ISSUED FOR PERMIT	06.24.2016
Job Number	B160089-000	
Checked	DPR	
Approved		

**TITLE
MECHANICAL
RTU SCHEDULES**

SHEET NUMBER

M00-11

LOGIN: Canevaldt, David PLOT DATE: 06/24/2016 2:02 PM SAVE DATE: 06/24/2016 2:02 PM
 PL: Projects\B160089-000\Design\Main\CAD\Richards 7-8\Main\B160089-000_M00-11.dwg