

ZONE DAMPER SCHEDULE

UNIT	AREAS SERVED	MODEL	MAX. CFM	DUCT SIZE (WxH)	PPM	NOTES
ZD-1A-1	CAFETERIA (1A)	VARA-7R-B	1140	16x8	1282	①
ZD-1A-2	CAFETERIA (1A)	VARA-7R-B	1140	16x8	1282	①
ZD-1A-3	KITCHEN (1B)	VAD-4C-B	280	6"Ø	1430	①
ZD-1A-4	CONFERENCE (1G)	VARA-5R-B	880	12x10	1320	①
ZD-1A-5	CONFERENCE (1D)	VARA-5R-B	1350	16x10	1215	①
ZD-1B-1	CONFERENCE (1J)	VAD-4C-B	280	6"Ø	1430	①
ZD-1B-2	CONFERENCE (1I)	VAD-4C-B	360	6"Ø	1077	①
ZD-1B-3	CONFERENCE (1E)	VARA-6R-B	1290	16x10	1152	①
ZD-1B-4	CONFERENCE (1F)	VARA-6R-B	1040	14x8	1336	①
ZD-1B-5	CONFERENCE (1K)	VARA-5R-B	800	12x8	1200	①
ZD-1B-6	CONFERENCE (1G)	VARA-5R-B	1630	16x10	1467	①
ZD-1B-7	CONFERENCE (1H)	VAD-10-B	600	10"Ø	1100	①
ZD-2A-1	CONFERENCE (2A)	VAD-10-B	520	8"Ø	1480	①
ZD-2A-2	NORTHEAST OPEN OFFICES	VARA-6R-B	1920	20x10	1362	①
ZD-2A-3	NORTHEAST OPEN OFFICES (2B)	VAD-4C-B	400	8"Ø	1146	①
ZD-2A-4	NORTHEAST OPEN OFFICES	VARA-6R-B	1290	16x10	1152	①
ZD-2A-5	NORTHEAST OPEN OFFICES	VARA-6R-B	1290	16x10	1152	①
ZD-2A-6	OFFICES (2C & 2D)	VAD-4C-B	400	8"Ø	1146	①
ZD-2A-7	BREAK ROOM	VAD-4C-B	160	6"Ø	816	①
ZD-2B-1	PERNSCOTT ROOM	VAD-10-B	600	10"Ø	1100	①
ZD-2B-2	BREAK ROOM	VAD-10-B	760	10"Ø	1395	①
ZD-2B-3	OFFICE (2I)	VAD-4C-B	280	6"Ø	1430	①
ZD-2B-4	SOUTH OPEN OFFICES	VARA-6R-B	1420	16x10	1278	①
ZD-2B-5	SOUTH OPEN OFFICES	VARA-6R-B	1420	16x10	1278	①
ZD-2B-6	OFFICES (2J & 2H)	VAD-10-B	720	10"Ø	1321	①
ZD-2B-7	CONFERENCE (2F)	VARA-5R-B	840	12x8	1280	①
ZD-2B-8	OFFICE (2E)	VAD-4C-B	160	6"Ø	816	①
ZD-3A-1	OFFICE (3A)	VAD-4C-B	320	8"Ø	916	①
ZD-3A-2	NORTHEAST OPEN OFFICES	VAD-4C-B	1360	16x10	1224	①
ZD-3A-3	OFFICES (3B & 3C)	VAD-10-B	760	10"Ø	1440	①
ZD-3A-4	NORTHWEST OPEN OFFICES	VARA-6R-B	2000	20x10	1400	①
ZD-3A-5	OFFICE (3D)	VAD-4C-B	240	6"Ø	1225	①
ZD-3A-6	OFFICE (3E)	VAD-10-B	680	10"Ø	1248	①
ZD-3A-7	ACADIA ROOM	VARA-5R-B	940	12x8	1280	①
ZD-3B-1	OFFICES (3F & 3J)	VAD-10-B	560	6"Ø	1028	①
ZD-3B-2	SOUTHEAST OPEN OFFICES	VARA-6R-B	1900	10"Ø	1388	①
ZD-3B-3	SOUTHEAST OPEN OFFICES	VARA-6R-B	1900	20x10	1388	①
ZD-3B-4	SOUTHWEST OPEN OFFICES	VARA-6R-B	1340	20x10	1206	①
ZD-3B-5	SOUTHWEST OPEN OFFICES	VARA-6R-B	1340	16x10	1266	①
ZD-3B-6	OFFICE (3H)	VAD-4C-B	480	8"Ø	1375	①

VARIABLE VOLUME BOX SCHEDULE NOTES:
 ① BASED ON TRANE VAR1RAC

BYPASS DAMPER SCHEDULE

TAG	SERVICES	CFM	MODEL	DUCT SIZE	PPM	NOTES
BPD-1A	RTU-1A	4000	VARA-2R-1	18x16	2280	①②
BPD-1B	RTU-1B	4000	VARA-2R-1	18x16	2280	①②
BPD-2A	RTU-2A	4000	VARA-2R-1	16x16	2250	①②
BPD-2B	RTU-2B	4000	VARA-2R-1	16x16	2250	①②
BPD-3A	RTU-3A	4800	VARA-3R-1	20x20	1730	①②
BPD-3B	RTU-3B	4800	VARA-3R-1	20x20	1730	①②

BYPASS DAMPER SCHEDULE NOTES:
 ① BASED ON TRANE VAR1RAC
 ② CFM BASED ON 80% OF RTU AIRFLOW

ROOFTOP UNIT SCHEDULE

UNIT	NOMINAL COOLING				INDOOR FAN PERFORMANCE				ELECTRICAL			
	CFM	ESP (WxH)	BHP	MOTOR HP	DRIVE	MIN. OA CFM	VOLTS/PHHZ	COMPRESSOR QTY	INDOOR FAN FLA/LARA	OUTDOOR FAN FLA/LARA	MIN. BRANCH CIRCUIT (AMPS)	FUSE SIZE (MAX.)
RTU-1A	1212	5000	1.5	3.22	3.0	300	208/3/60	2	25.0/164	10.6/61	3.2/8.8	65
RTU-1B	1212	5000	1.5	3.22	3.0	300	208/3/60	2	25.0/164	10.6/61	3.2/8.8	65
RTU-2A	1212	5000	1.5	3.22	3.0	300	208/3/60	2	25.0/164	10.6/61	3.2/8.8	65
RTU-2B	1212	5000	1.5	3.22	3.0	300	208/3/60	2	25.0/164	10.6/61	3.2/8.8	65
RTU-3A	15	6000	1.5	4.09	5.0	300	208/3/60	2	29.5/267	10.6/61	3.2/8.8	90
RTU-3B	15	6000	1.5	4.09	5.0	300	208/3/60	2	29.5/267	10.6/61	3.2/8.8	90
RTU-08	5	2000	1.0	0.86	1.0	200	208/3/60	1	17.8/123	2.9/6.6	5.0/32.2	45

ROOFTOP UNIT SCHEDULE NOTES:

- BASED ON TRANE
- PROVIDE W/ CHSET INSULATED ADAPTER CURB TO ALLOW NEW UNIT TO BE PLACED ON EXIST. TRACE BVC-130 CURB.
- PROVIDE W/ CHSET INSULATED ADAPTER CURB TO ALLOW NEW UNIT TO BE PLACED ON EXIST. TRACE BVC-170 CURB.
- PROVIDE W/ CHSET INSULATED ADAPTER CURB TO ALLOW NEW UNIT TO BE PLACED ON EXIST. TRACE BVC-100 CURB.
- MOTORIZED ECONOMIZER WITH FAN SPEED CONTROLS
- UNIT POWERED RELIEF FAN - 208V/3
- 2" PLEATED MERV 8 FILTERS
- HINGED ACCESS DOORS
- PREMIUM EFFICIENCY INDOOR FAN MOTOR
- PROVIDE W/ TXV REFRIGERANT METERING
- PROVIDE W/ HIGH STATIC FAN PACKAGE
- STAINLESS STEEL HEAT EXCHANGER
- PROVIDE W/ VERTICAL FURNACE FLUE EXTENSION
- PROVIDE W/ DUCT MOUNTED CO2 SENSOR & DEMAND CONTROL VENTILATION CONTROLS.
- PROVIDE W/ TRANE COMMUNICATION INTERFACE BOARD FOR CONNECTION TO VAR1RAC CENTRAL CONTROL PANEL.
- EXTERNAL STATIC PRESSURE INCLUDES ADDITIONAL PRESSURE DROP FROM ECONOMIZER AND AIR FILTERS. ESP EQUAL TO 1.22" W/O ECONOMIZER AND FILTERS.
- BAROMETRIC RELIEF DAMPER

DIFFUSER/GRILLE AND REGISTER SCHEDULE

TAG	DESCRIPTION	NECK SIZE WxH"	MAX. CFM	S.P. *WC	THROW (FT)	NC	TYPE	MODEL NO.	MOUNTING	NOTES
SD-1	CEILING SUPPLY DIFFUSER	8"Ø	250	0.064	3-4-8	<15	PLAQUE	24x24 SPD TYPE 31	LAY-IN	①②
SD-1	CEILING SUPPLY DIFFUSER	10"Ø	350	0.077	3-5-9	<15	PLAQUE	24x24 SPD TYPE 31	LAY-IN	①②
LSD-1	LINEAR SUPPLY DIFFUSER	10"Ø	250	0.068	7-11-21	<16	12" T-SLOTS	48" TIBD-3100	LAY-IN	①②③
LSD-2	LINEAR SUPPLY DIFFUSER	10"Ø	325	0.077	9-15-27	<16	13" T-SLOTS	48" TIBD-3100	LAY-IN	①②③
RG-1	CEILING RETURN GRILLE	14x14	800	0.068	-	<16	EGG GRATE	80-1BP	LAY-IN	①②
RG-2	CEILING RETURN GRILLE	22x22	1800	0.047	-	<16	EGG GRATE	80-1BP	LAY-IN	①②

DIFFUSER/GRILLE SCHEDULE NOTES:

- BASED ON PRICE
- WHITE FINISH
- FACTORY INSTALLED EXTERNAL FIBERGLASS PLENUM INSULATION

EXHAUST FAN SCHEDULE

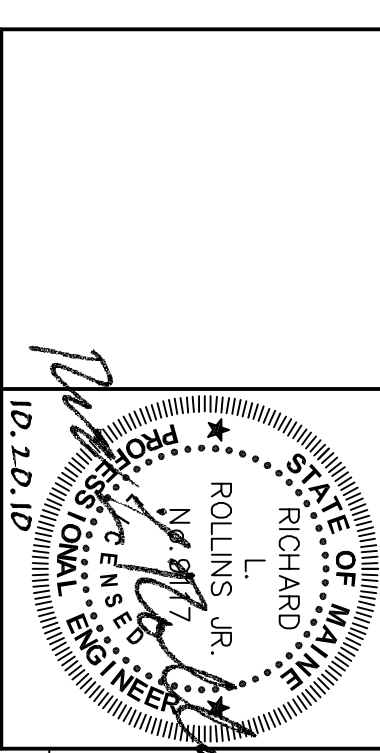
UNIT	AREAS SERVED	MODEL	CFM	ESP	MOTOR HP	BRAKE HP	VOLTS/Ø	RPM	NOTES
EF-1	FIRST FLOOR PLENUM EXH.	ACEB210GB	4000	0.50	3/4	0.73	115/1/60	823	①②③④⑤
EF-2	SECOND FLOOR PLENUM EXH.	ACEB185C5B	2000	0.50	1/2	0.322	115/1/60	940	①②③④⑤

EXHAUST FAN SCHEDULE NOTES:

- BASED ON LOREN COOK
- 24" HIGH INSULATED ROOF CURB W/ DAMPER TRAY
- PREMIUM EFFICIENT TFC MOTOR
- BACKDRAFT DAMPER
- BELT GUARD & TENSIONER

CHECKLIST ISSUE STATUS:

CONSTRUCTION DOCUMENTS
10.18.10



WBRC ARCHITECTS • ENGINEERS
 BANGOR, MAINE 04901-2411
 100 WASHINGTON ST., SUITE 200
 PORTLAND, ME 04101-5560/57
 WWW.WBRC.COM

MARTIN'S POINT HEALTH CARE
 NORTHPORT PLAZA HVAC
 RENOVATIONS
 PORTLAND, ME

MECHANICAL SCHEDULES

SHEET TITLE: MECHANICAL SCHEDULES
 PROJECT No.: 3626.00
 SCALE: AS NOTED
 DRAWN BY: CGJ
 CHECKED BY: RLR
 DATE: 10.18.10