

FOR HRV- 1, 4, & 7

① NET OCCUPIABLE SPACE
② PER DISTRICT ED. SPEC.

DESIGN O.A.:	2985	CFM
DESIGN EXHAUST:	2465	CFM

FOR HRV- 2, 5, & 8

① NET OCCUPIABLE SPACE
② PER DISTRICT ED. SPEC.

DESIGN O.A.:	2450	CFM
DESIGN EXHAUST:	2420	CFM

FOR HRV- 3, 6, & 9

① NET OCCUPIABLE SPACE
② PER DISTRICT ED. SPEC.

DESIGN O.A.:	3075	CFM
DESIGN EXHAUST:	2645	CFM

DEMASI - IMC AREA
400 WING

FOR HRV- 10

NEW VENTILATION REQUIREMENTS PER IMC 2003

AREA OR ROOM NAME & NO.	① NET AREA S.F.	AREA / OCC.	CALC. # OCCUPANTS	② ACTUAL # OCCUPANTS **	MIN. O.A. CFM/OCC. *	REQ'D VENTILATION		INSTALLED VENTILATION			REMARKS
						O.A. CFM	EXHAUST CFM	SUPPLY CFM	O.A. CFM	EXHAUST CFM	
IMC 421	5933	1000/20	119	52	15	780		10,000	975	975	
ART 424	820	1000/50	46	25	15	390		3500	500	500	
KLN 425	77						500	500			SEPARATE MAKE UP/EXH
ART STOR 426											TRANSFER R.A. TO HP.
COMPUTER LAB 430	909	1000/50	45	25	15	390		1320	390	390	
PRIN. OFF 402	218	1000/7	2	4	20	80		370	80	80	
CONFERENCE 401	290	1000/50	15	19	20	380		650	380	380	
CORRIDOR 428	1210				0.10 CDM/SF.	121			200		
RECP. /WAIT 480	501	1000/60	30	8	15	120		1500	120	120	
PART CORR 431	530				0.10 CDM/SF.	53		1075	150		

DESIGN O.A.: 2795 CFM
DESIGN EXHAUST: 2445 CFM① NET OCCUPABLE SPACE
② PER DISTRICT ED. SPEC.
③ INTERMITTENT USE - EXIST. EXH. FAN TO REMAIN.

DEMASI - 400 WING

NEW VENTILATION REQUIREMENTS PER IMC 2003

FOR HRV- 11

AREA OR ROOM NAME & NO.	① NET AREA S.F.	AREA / OCC.	CALC. # OCCUPANTS	② ACTUAL # OCCUPANTS **	MIN. O.A. CFM/OCC. *	REQ'D VENTILATION		INSTALLED VENTILATION			REMARKS
						O.A. CFM	EXHAUST CFM	SUPPLY CFM	O.A. CFM	EXHAUST CFM	
CORRIDOR 431	530				0.10 CDM/SF.	53		1075	150		
SECRETARIAL 405	462	1000/7	3	6	20	120		1820	175	100	TRANSFER TO RM 404
TOIL. RM 404	60						75			75	
NURSE 407/408	715	1000/10	7	5	25	125		570	125	50	TRANSFER TO RM 409
EXAM 410	126	1000/10	1	2	25	50		100	50	50	
N. TOIL. RM 409	64						75			75	
COMPUTER LAB 412	900	1000/50	45	26	15	390		1750	390	390	
COMPUTER LAB 427	900	1000/50	45	26	15	390		1750	390	390	
AV. STOR. 418	630									120	
WORKROOM 419	193	1000/7	1	4	20	80		135	80		TRANSFER TO RM 418
IMC OFFICE 420	120	1000/7	1	2	20	40		135	40		TRANSFER TO RM 418
CORRIDOR 413	1060				0.10 CDM/SF.	106			150		
CORRIDOR 422	1302				0.10 CDM/SF.	130			200		
FACULTY DIN. 414	765	1000/70	54	30	20	604		3500	600	400	
TOIL. RM 415	35						75			75	TRANSFER FROM RM 414
TOIL. RM 416	35						75			75	TRANSFER FROM RM 414
LOBBY 417	828				0.10 CDM/SF.	83			150		

DESIGN O.A.: 2500 CFM
DESIGN EXHAUST: 1800 CFM① NET OCCUPABLE SPACE
② PER DISTRICT ED. SPEC.

DEMASI - 500 WING

NEW VENTILATION REQUIREMENTS PER IMC 2003

FOR HRV- 12

NEW VENTILATION REQUIREMENTS PER IMC 2003						FOR NEW BUILDING					
AREA OR ROOM NAME & NO.	① NET AREA S.F.	AREA / OCC.	CALC. # OCCUPANTS	② ACTUAL # OCCUPANTS **	MIN. O.A. CFM/OCC. *	REQ'D VENTILATION		INSTALLED VENTILATION			REMARKS
						O.A. CFM	EXHAUST CFM	SUPPLY CFM	O.A. CFM	EXHAUST CFM	
CAFETERIA 520	6934	1000/20	139	324	15	4860		24000	5100	4850	VFD'S INTEGRAL W/ UNIT FOR LOW SPEED OPERATION TO SATISFY CAFETERIA VENTILATION REQMTS.
OR	6934							24000	OR		
AUDITORIUM 550	6934	1000/150	1040	600	15	9000		24000	10,200	9700	
STAGE 551	2089			80	15	1200		4000			
NOTE: PROVIDE SEPARATE CONDITIONED MAKE UP TO KITCHEN FOR REQ'D AIR BALANCE. ELIMINATE TRANSFER FROM CAFETERIUM.											

DESIGN O.A.: 10200/5100 CFM
DESIGN EXHAUST: 9700/4850 CFM① NET OCCUPABLE SPACE
② PER DISTRICT ED. SPEC.

DEMAS
500 WING

AREA OF NAME
STORAGE
TOILET RM.
SHOWER
OFFICE
TOILET RM.
BOY'S LOCKER

① NET OC
② PER DIS

DEMASI

DESIGN O.A.:	1935	CFM
DESIGN EXHAUST:	1845	CFM

DEMASI

DESIGN O.A.:	4800 MAX/2400 MIN
DESIGN EXHAUST:	3725 MAX/1325 MIN

(7.75 AC/HR)
(7.4 AC/HR)
(21.6 AC/HR)

① NET OCCUPIABLE SPACE
② PER DISTRICT ED. SPEC.

DESIGN O.A.:	1730 CFM
DESIGN EXHAUST:	1805 CFM

John C.
CONSULTA

ARCH: PLANNER:
NJ C-7469 NJ LI 02913
PA B-8408

REVISIONS

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