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VENTILATION CALCULATIONS (NCMC 2012, SECT 403): RTU-2

OCCUPANCY CLASSIFICATION	PEOPLE O/A RATE IN BREATHING ZONE (CFM/PERSON)	AREA O/A RATE IN BREATHING ZONE (CFM/SQ. FT.)	DEFAULT OCCUPANCY DENSITY (PEOPLE/1000 SQ. FT.)	AREA (SQ. FT.)	CALCULATED OCCUPANCY (PEOPLE)	CALCULATED PEOPLE O/A (CFM)	CALCULATED AREA O/A (CFM)
SECOND FLOOR							
OFFICES (ESTIMATED FOR FUTURE TENANT)	5	0.06	5	10,160	51	254	610
CORRIDOR	-	0.06	-	1,598	-	-	96
CONFERENCE (ESTIMATED FOR FUTURE TENANT)	5	0.06	50	5,080	254	1,270	305
RECEPTION (ESTIMATED FOR FUTURE TENANT)	5	0.06	30	847	26	128	51
STORAGE (ESTIMATED FOR FUTURE TENANT)	-	0.06	-	892	-	-	-
BLDG TOTAL OUTSIDE AIR REQ'D (Ez=0.8, CFM)							3,600
OUTSIDE AIR PROVIDED (CFM)							3,600

VENTILATION CALCULATIONS (NCMC 2012, SECT 403): RTU-3

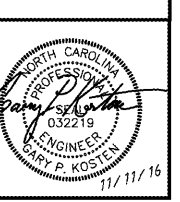
OCCUPANCY CLASSIFICATION	PEOPLE O/A RATE IN BREATHING ZONE (CFM/PERSON)	AREA O/A RATE IN BREATHING ZONE (CFM/SQ. FT.)	DEFAULT OCCUPANCY DENSITY (PEOPLE/1000 SQ. FT.)	AREA (SQ. FT.)	CALCULATED OCCUPANCY (PEOPLE)	CALCULATED PEOPLE O/A (CFM)	CALCULATED AREA O/A (CFM)
THIRD FLOOR							
OFFICES (ESTIMATED FOR FUTURE TENANT)	5	0.06	5	10,160	51	254	627
CORRIDOR	-	0.06	-	1,598	-	-	82
CONFERENCE (ESTIMATED FOR FUTURE TENANT)	5	0.06	50	5,422	262	1,306	313
RECEPTION (ESTIMATED FOR FUTURE TENANT)	5	0.06	30	870	27	135	53
STORAGE (ESTIMATED FOR FUTURE TENANT)	-	0.06	-	871	-	-	53
BLDG TOTAL OUTSIDE AIR REQ'D (Ez=0.8, CFM)							3,152
OUTSIDE AIR PROVIDED (CFM)							3,600

VENTILATION CALCULATIONS (NCMC 2012, SECT 403): RTU-4

OCCUPANCY CLASSIFICATION	PEOPLE O/A RATE IN BREATHING ZONE (CFM/PERSON)	AREA O/A RATE IN BREATHING ZONE (CFM/SQ. FT.)	DEFAULT OCCUPANCY DENSITY (PEOPLE/1000 SQ. FT.)	AREA (SQ. FT.)	CALCULATED OCCUPANCY (PEOPLE)	CALCULATED PEOPLE O/A (CFM)	CALCULATED AREA O/A (CFM)
FOURTH FLOOR							
OFFICES (ESTIMATED FOR FUTURE TENANT)	5	0.06	5	10,247	52	260	615
CORRIDOR	-	0.06	-	1,568	-	-	94
CONFERENCE (ESTIMATED FOR FUTURE TENANT)	5	0.06	50	5,124	257	1,285	308
RECEPTION (ESTIMATED FOR FUTURE TENANT)	5	0.06	30	854	26	130	52
STORAGE (ESTIMATED FOR FUTURE TENANT)	-	0.06	-	892	-	-	54
BLDG TOTAL OUTSIDE AIR REQ'D (Ez=0.8, CFM)							3,498
OUTSIDE AIR PROVIDED (CFM)							3,600



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**WESTPOINT 2
 DURHAM, NC**

REVISIONS

PROJECT:	1342
DATE:	11/11/16
DRAWN BY:	ECC
CHECKED BY:	GPK
MECHANICAL VENTILATION SCHEDULES	
MO.3	
3 OF 14	

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