David Siegfried 44 Park Av. Conversion

Lighting and Ventilation Calculations - rev. 23-Jan-05

AREA DESC. DERIVATION (SQ. FT.)

Floor 1						
Living/Kitchen Bath TOTAL	-	700 32 732	-			
Ventilation	Factor Required (sq. ft.)	0.04 29.28				
	Existing (sq. ft.)	14.71		previous architect (Barba) calcs		
	South dbl hung East dbl hung East doors North Awnings (x2) West door	5.9 5.1 39.1 8.2 22.4	Existing Existing Pella 7286 Marvin WAWN2832 Expanded opening	measured lower sash opening measured lower sash opening given by Pella clear opening (6.2sf) x .66 = 4.1 dimensions of found door - 1" stop and threshold		
	Proposed final (sq. ft.)	80.7	(51.4 sq. ft. great	er than required)		
Lighting	Factor Required (sq. ft.)	0.08 58.56				
	Existing (sq. ft.)	45.77		previous architect (Barba) calcs		
	South dbl hung South fixed horse window x2 East dbl hung East doors North Awnings (x3) North fixed door window North fixed horse window x 2 West door	9 3 8.4 22.4 11.4 3.7 3	Existing Existing Existing Pella 7286 Marvin WAWN2832 Existing Existing Expanded opening	measured visible glass measured visible glass measured visible glass given by Pella Marvin Chart: w - 5.5" x h - 7.25" = 3.8sf measured visible glass measured visible glass measured panel dimensions		
	Proposed final (sq. ft.)	70.9	(12.3 sq. ft. greater than required)			

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Floor 2				
Bdrm/Study Bath TOTAL	_	388 79 467	-	
Ventilation	Factor Required (sq. ft.)	0.04 18.68		
	Existing (sq. ft.)	33.1		previous architect (Barba) calcs
	Bath West hopper 1 Bath West Awning	2.3 3.4	Existing Marvin AWN4824	measured opening clear opening (5.1sf) x .66 = 3.4
	West hopper 2 North Casement (x2) East hopper (x2)	2.3 16 4.6	Existing Pella 3541 Existing	measured opening given by Pella measured opening
	Proposed final (sq. ft.)	28.6	(9.9 sq. ft. greate	r than required)
Lighting	Factor Required (sq. ft.)	0.08 37.36		
	Existing (sq. ft.)	48.51		previous architect (Barba) calcs
	Bath West hopper 1 Bath West awning Bath ceiling	2.3 5.6 4	Existing Marvin AWN4824 Roto S2V 1446	measured visible glass given by Marvin Given by Roto
	Hall Ceilling (x2) West hopper 2 West palladian North Casement (x2) South palladian East hopper (x2) East palladian	8 2.3 12.4 14.2 2.9 4.6 12.4	Roto S2V 1446 Existing Existing Pella 3541 Existing Existing Existing	Given by Roto measured visible glass measured visible glass given by Pella measured visible glass measured visible glass measured visible glass
	Proposed final (sq. ft.)	68.7	(23.6 sq. ft. great	er than required)

NOTE Floor area calculations do not include stairs, storage and closets