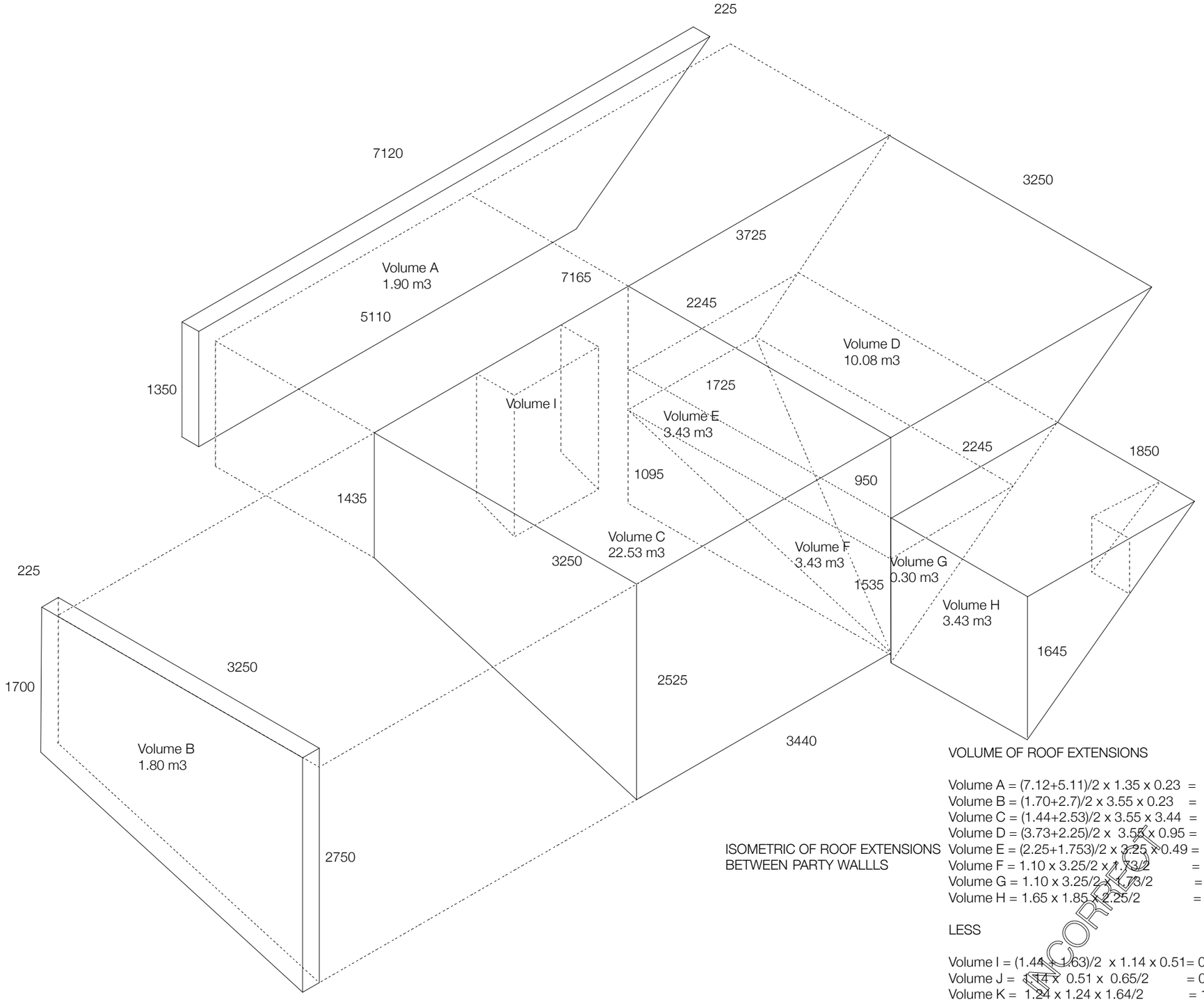
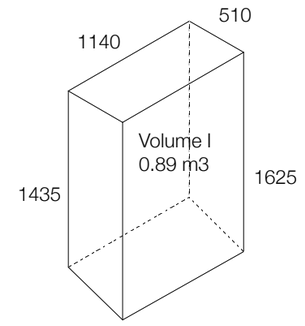
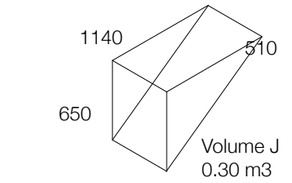


ISOMETRIC OF ROOF EXTENSIONS
BETWEEN PARTY WALLLS



ISOMETRIC OF CHIMNEY
BREAST IN 40-42 PARTY
WALL LEFT I N PLACE



ISOMETRIC OF CHIMNEY
BREAST IN 42-44 PARTY
WALL LEFT I N PLACE

ISOMETRIC OF DORMER
WINDOW REMOVED

VOLUME OF ROOF EXTENSIONS

Volume A = (7.12+5.11)/2 x 1.35 x 0.23	= 1.90 m3	
Volume B = (1.70+2.7)/2 x 3.55 x 0.23	= 1.65 m3	
Volume C = (1.44+2.53)/2 x 3.55 x 3.44	= 20.63 m3	
Volume D = (3.73+2.25)/2 x 3.55 x 0.95	= 9.23 m3	
Volume E = (2.25+1.753)/2 x 3.25 x 0.49	= 3.17 m3	
Volume F = 1.10 x 3.25/2 x 1.73/2	= 1.55 m3	
Volume G = 1.10 x 3.25/2 x 1.73/2	= 1.55 m3	
Volume H = 1.65 x 1.85 x 2.25/2	= 3.43 m3	43.11m3
LESS		
Volume I = (1.44 + 1.63)/2 x 1.14 x 0.51	= 0.89 m3	
Volume J = 1.14 x 0.51 x 0.65/2	= 0.12 m3	
Volume K = 1.24 x 1.24 x 1.64/2	= 1.26 m3	
Volume L = 1.24 x 0.62 x 1.64/2	= 0.63 m3	
Volume M = 1.24 x 0.62 x 0.77/2	= 0.30 m3	4.09 m3
TOTAL	39.02 m3	

VOLUME OF ROOF EXTENSIONS

Volume A = (7.12+5.11)/2 x 1.35 x 0.23	= 1.90 m3	
Volume B = (1.70+2.75)/2 x 3.25 x 0.225	**= 1.63 m3**	
Volume C = (1.435+2.245)/2 x 3.25 x 3.44	**= 22.14m3**	
Volume D = (3.725+2.245)/2 x 3.25 x 0.95	**= 9.22 m3**	
Volume E = (2.245+1.725)/2 x 3.25 x 0.49	**= 3.16 m3**	
Volume F = 1.10 x 3.25/2 x 1.73/2	= 1.55 m3	
Volume G = 1.10 x 3.25/2 x 1.73/2	= 1.55 m3	
Volume H = 1.65 x 1.85 x 2.25/2	= 3.16 m3	**44.31m3**
LESS		
Volume I = (1.44 + 1.63)/2 x 1.14 x 0.51	= 0.89 m3	
Volume J = 1.14 x 0.51 x 0.65/2	**= 0.18 m3**	
Volume K = 1.24 x 1.24 x 1.64/2	= 1.26 m3	
Volume L = 1.24 x 0.62 x 1.64/2	= 0.63 m3	
Volume M = 1.24 x 0.62 x 0.77/2	= 0.30 m3	**3.26m3**
TOTAL	**41.05 m3**	

Reduce roof height by 50mm

7.12 x 3.35 x 05 = 1.19m3 TOTAL = 39.86m2

REVISIONS A 24 Oct 14 Corrected calculations and lowered roof level 50mm

PETER BELL & PARTNERS ARCHITECTS 44 DALE STREET LONDON W4 2BL

1235.19

42 COTLEIGH ROAD LONDON NW6 2NP

VOLUME CALCULATION

t 020 8994 3023 m 07967 971 639 scale 1:25 @ A1 & 1:50 @ A3 4 July 2014