

Columns					
Elevation	Beam/Column	Reference	Floor level range	Height (m)	Notes
Brown Street	Column	1B	Ground - 2nd Floor	16.01	Corner Brown/King
Brown Street	Column	2A	Ground - 2nd floor	16.01	Corner Brown/King
Brown Street	Column	3A	Ground - 5th Floor	28.36	
Brown Street	Column	3C	5th Floor - 8th Floor	9.91	
Brown Street	Column	4A	4th Floor - 7th Floor	10.33	
Brown Street	Column	5A	Ground - 7th Floor	35.18	
Brown Street	Column	5C	7th Floor - 8th Floor	3.09	
Brown Street	Column	6A	Ground - 7th Floor	35.18	
Brown Street	Column	6C	7th Floor - 8th Floor	3.09	
Brown Street	Column	7A	4th Floor - 7th Floor	10.33	
Brown Street	Column	8A	Ground - 5th Floor	28.36	
Brown Street	Column	8C	5th Floor - 8th Floor	9.91	Corner Brown/Chancery
Brown Street	Column	9A	Ground - 2nd Floor	16.01	
Brown Street	Column	9C	2nd Floor - 7th Floor	19.17	
Brown Street	Column	10B	Ground - 2nd Floor	16.01	Corner Brown/Chancery
King Street	Column	K2	Ground - 2nd Floor	16.01	
King Street	Column	J1	Ground - 2nd Floor	16.01	Corner Spring/King
King Street	Column	H1	Ground - 5th Floor	28.36	
King Street	Column	H3	5th Floor - 8th Floor	9.91	
King Street	Column	G1	4th Floor - 7th Floor	10.33	
King Street	Column	F1	Ground - 7th Floor	35.18	
King Street	Column	F3	7th Floor - 8th Floor	3.09	
King Street	Column	E1	Ground - 7th Floor	35.18	
King Street	Column	E3	7th Floor - 8th Floor	3.09	
King Street	Column	D1	4th Floor - 7th Floor	10.33	
King Street	Column	C1	Ground - 5th Floor	28.36	
King Street	Column	C3	5th Floor - 8th Floor	9.91	
Chancery	Column	B10	Ground - 2nd Floor	16.01	Corner Brown/Chancery
Chancery	Column	C10	Ground - 7th Floor	35.18	
Chancery	Column	D10	Ground - 7th Floor	35.18	
Chancery	Column	G10	Ground - 7th Floor	35.18	
Chancery	Column	J10	Ground - 2nd Floor	16.01	
Chancery	Column	E10	2nd Floor - 5th Floor	12.35	
Chancery	Column	F10	3rd Floor - 5th Floor	12.35	
Chancery	Column	C8	5th Floor - 8th Floor	9.91	Corner Brown/Chancery
Chancery	Column	E8	7th Floor - 8th Floor	3.09	
Chancery	Column	F8	7th Floor - 8th Floor	3.09	
Chancery	Column	H8	5th Floor - 8th Floor	9.91	
Spring Gardens	Column	K2	Ground - 2nd Floor	16.01	Corner Spring/King
Spring Gardens	Column	K3	Ground - 5th Floor	28.36	
Spring Gardens	Column	K5	Ground - 5th Floor	29.36	
Spring Gardens	Column	K6	Ground - 5th Floor	30.36	
Spring Gardens	Column	K8	Ground - 5th Floor	31.36	
Spring Gardens	Column	K9	Ground - 2nd Floor	16.01	Corner Spring/Chancery
Spring Gardens	Column	J10	Ground - 2nd Floor	16.01	Corner Spring/Chancery
Spring Gardens	Column	H9	2nd Floor - 7th Floor	19.17	
Spring Gardens	Column	K4	4th Floor - 7th Floor	35.18	
Spring Gardens	Column	K7	4th Floor - 7th Floor	35.18	

HOTEL GOTHAM, MANCHESTER

CATHODIC PROTECTION CONCEPT DESIGN REPORT

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Beams				
Elevation	Beam/Column	Reference	Floor level	Length (m)
Brown Street	Beam	3A-9A	Mezzanine	18.59
Brown Street	Beam	9A-10A	Mezzanine	5.18
Brown Street	Beam	3A-9A	1st Floor	18.59
Brown Street	Beam	9A-10A	1st Floor	5.18
Brown Street	Beam	3A-9A	2nd Floor	18.59
Brown Street	Beam	9A-10A	2nd Floor	5.18
Brown Street	Beam	2A-3A	3rd Floor	3.96
Brown Street	Beam	3A-8A	3rd Floor	16.15
Brown Street	Beam	8A-10A	3rd Floor	9.75
Brown Street	Beam	2A-3A	4th Floor	3.96
Brown Street	Beam	3A-8A	4th Floor	16.15
Brown Street	Beam	8A-10A	4th Floor	9.75
Brown Street	Beam	2A-3A	5th Floor	3.96
Brown Street	Beam	3A-8A	5th Floor	16.15
Brown Street	Beam	8A-10A	5th Floor	9.75
Brown Street	Beam	3A-4A	6th Floor	3.04
Brown Street	Beam	4A-5A	6th Floor	3.04
Brown Street	Beam	6A-7A	6th Floor	3.04
Brown Street	Beam	7A-10A	6th Floor	12.5
Brown Street	Beam	2A-3A	7th Floor	3.04
Brown Street	Beam	3A-4A	7th Floor	3.04
Brown Street	Beam	4A-7A	7th Floor	9.45
Brown Street	Beam	7A-10A	7th Floor	12.5
Brown Street	Beam	3A-8A	8th Floor	15.83
King Street	Beam	1J-1B	Mezzanine	22.25
King Street	Beam	1J-1B	1st Floor	22.25
King Street	Beam	1J-1B	2nd Floor	22.25
King Street	Beam	1J-1H	3rd Floor	3.04
King Street	Beam	1H-1C	3rd Floor	15.83
King Street	Beam	1C-1B	3rd Floor	3.04
King Street	Beam	1J-1H	4th Floor	3.04
King Street	Beam	1H-1C	4th Floor	15.83
King Street	Beam	1C-1B	4th Floor	3.04
King Street	Beam	1J-1H	5th Floor	3.04
King Street	Beam	1H-1C	5th Floor	15.83
King Street	Beam	1C-1B	5th Floor	3.04
King Street	Beam	1J-1G	6th Floor	6.7
King Street	Beam	1G-1D	6th Floor	9.44
Chancery	Beam	1D-1B	6th Floor	6.7
Chancery	Beam	1J-1G	7th Floor	6.7
Chancery	Beam	1G-1D	7th Floor	9.44
Chancery	Beam	1D-1B	7th Floor	6.7
Chancery	Beam	1H-1C	8th Floor	15.83
Chancery	Beam	10B-10J	Mezzanine	22.25
Chancery	Beam	10B-10J	1st Floor	22.25
Chancery	Beam	10B-10J	2nd Floor	22.25
Chancery	Beam	10B-10C	3rd Floor	3.04
Chancery	Beam	10C-10H	3rd Floor	15.83
Chancery	Beam	10H-10J	3rd Floor	3.04
Chancery	Beam	10B-10C	4th Floor	3.04
Chancery	Beam	10C-10H	4th Floor	15.83
Chancery	Beam	10H-10J	4th Floor	3.04
Chancery	Beam	10B-10C	5th Floor	3.04

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Beams				
Elevation	Beam/Column	Reference	Floor level	Length (m)
Chancery	Beam	10C-10H	5th Floor	15.83
Chancery	Beam	10H-10J	5th Floor	3.04
Chancery	Beam	10B-10C	6th Floor	3.04
Chancery	Beam	10C-10H	6th Floor	15.83
Spring Gardens	Beam	10H-10J	6th Floor	3.04
Spring Gardens	Beam	10B-10C	7th Floor	3.04
Spring Gardens	Beam	10C-10H	7th Floor	15.83
Spring Gardens	Beam	10H-10J	7th Floor	3.04
Spring Gardens	Beam	10C-10H	8th Floor	15.83
Spring Gardens	Beam	10K-9K	Mezzanine	5.18
Spring Gardens	Beam	9K-2K	Mezzanine	24.38
Spring Gardens	Beam	10K-9K	1st Floor	5.18
Spring Gardens	Beam	9K-2K	1st Floor	24.38
Spring Gardens	Beam	10K-9K	2nd Floor	5.18
Spring Gardens	Beam	9K-2K	2nd Floor	24.38
Spring Gardens	Beam	10K-8K	3rd Floor	9.75
Spring Gardens	Beam	8K-3K	3rd Floor	16.15
Spring Gardens	Beam	3K-2K	3rd Floor	3.96
Spring Gardens	Beam	10K-8K	4th Floor	9.75
Spring Gardens	Beam	8K-3K	4th Floor	16.15
Spring Gardens	Beam	3K-2K	4th Floor	3.96
Spring Gardens	Beam	10K-8K	5th Floor	9.75
Spring Gardens	Beam	8K-3K	5th Floor	16.15
Spring Gardens	Beam	3K-2K	5th Floor	3.96
Spring Gardens	Beam	10K-7K	6th Floor	12.5
Spring Gardens	Beam	7K-6K	6th Floor	3.04
Spring Gardens	Beam	5K-4K	6th Floor	3.04
Spring Gardens	Beam	4K-3K	6th Floor	3.04
Spring Gardens	Beam	10K-7K	7th Floor	12.5
Spring Gardens	Beam	7K-4K	7th Floor	9.45
Spring Gardens	Beam	4K-3K	7th Floor	3.04
Spring Gardens	Beam	3K-2K	7th Floor	3.04
Spring Gardens	Beam	8K-3K	8th Floor	15.83

total beams	856.23 m
total columns	908 m
TOTAL	1764 m