



Bridge House  
152 Pilgrim Street  
Newcastle-upon-Tyne  
NE1 6SN  
20<sup>th</sup> August 2011

External Survey of Concrete Panels

Main Building – West Elevation

Drop No 1.

<u>Photo</u>	<u>Description</u>
1-4.	Repair above window laminating. Full length of panel
4.	Area of spalled concrete, also showing signs of lamination. 300 x 200
5.	Repair above window laminating. Full length of panel
6.	Repair above window laminating. Full length of panel
7.	Area of lamination. 150 x 100
8.	Repair above window laminating. Full length of panel. Also window frames loose
9.	Spalled concrete - 130 x 140
10.	Laminating concrete -120 x 120
11.	Laminating concrete - 130 x 90
12.	Laminating concrete - 80 x 70
13.	Spalled concrete - 400 x 100
14.	Spalled concrete - 500 x 70
15.	Repair above window laminating. 400
16.	Repair above window laminating. Full length of panel.
17.	Repair above window laminating. Full length of panel.
18.	Laminating concrete – 180 x 100
19.	Spalled concrete – 360 x 70
20.	Lamination to bottom of panel – 700 x 80
21.	Spalled concrete – 550 x 80
22.	Laminating concrete – 150 x 150

Main Building – West Elevation

Drop No 2.

<u>Photo</u>	<u>Description</u>
23/24.	Repair above window laminating. Full length of panel
25/26.	Repair above window laminating. Full length of panel
27.	Hilti Inserts installed to concrete floor level. Showing signs of lamination and cracking. This is typical around the building
28/29.	Repair above window laminating. Full length of panel
30.	Mastic seal to top of window showing signs of shrinkage. Allowing ingress of rain water. This is typical around the building

- 31/32. Repair above window laminating. Full length of panel
- 33/34. Repair above window laminating. Full length of panel
- 35/36. Repair above window laminating. Full length of panel
- 37. Spalled concrete
- 38. Hilti Insert causing stress cracking
- 39. Spalled concrete – 300 x 150

Main Building – West Elevation

Drop No 3/4.

<u>Photo</u>	<u>Description</u>
	40/41. Repair above window laminating. Full length of panel
	42-44. Repair above window laminating. Full length of panel
	45. Spalled concrete – 200 x 80
	46. Repair above window laminating. Full length of panel
	47. Hilti Insert showing stress cracking
	48. Mastic seal above door showing signs of shrinkage. Allowing ingress of rainwater

Main Building – West Elevation

Drop No 5.

<u>Photo</u>	<u>Description</u>
	49. Laminating concrete – 900 x 150
	50/51. Repair above window laminating. Full length of panel
	52. Repair above window laminating – 200 x 50
	53. Repair above window laminating – 490 x 50

Main Building – South Elevation

Drop No 1.

<u>Photo</u>	<u>Description</u>
	54. Repair above window laminating. Full length of panel
	55. Spalled concrete - 150 x 150 Laminating concrete – 150 x 150
	56. Mastic seal to top of window showing signs of shrinkage
	57. Laminating concrete – 100 x 100
	58. Laminating concrete – 200 x 200
	59. No image. Repair above window laminating – 1220 x 60
	60. Laminating concrete – 180 x 70
	61. Bottom edge of window has not been sealed. Full length of panel
	62. Lamination to bottom edge of panel – 400 x 60
	63. Laminating concrete – 200 x 100

Main Building – South Elevation

Drop No 2.

<u>Photo</u>	<u>Description</u>
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- 64-66. Repair above window laminating. Full length of panel
- 67. Repair above window laminating – 2000 x 50 < 200
- 68. Mastic seal above window showing signs of shrinkage
- 69. Laminating concrete – 100 x 100
- 70. Repair to bottom of panel showing signs of laminating – 2000 x 100 < 150
- 71. Repair to bottom of panel showing signs of lamination – 800 x 100
- 72. Bottom of panel laminating – 1800 x 500
- 73. Laminating concrete – 500 x 100
- 74. Spalled/laminating concrete – 500 x 100

Main Building – South Elevation

Drop No 3.

<u>Photo</u>	<u>Description</u>
	75/76. Repair above window laminating. Full length of panel
	77. Hilti insert showing signs of stress cracks
	78/79. Mastic seal above window showing signs of shrinkage
	80. Spalled concrete – 60 x 70
	81. Laminating concrete – 100 x 110
	82. Laminating concrete – 90 x 120
	83/84. Laminating concrete – 100 x 100 / 80 x 90
	85. Lamination to bottom of panel. Full length – 4800
	86. Laminating concrete – 100 x 100
	87. Window flashings loose
	88. Mastic seal above window showing signs of shrinkage
	89. Laminating concrete – 80 x 90
	90. Spalled concrete – 80 x 100
	91/92. Laminating concrete – 100 x 110 / 90 x 90

Main Building – South Elevation

Drop No 4.

<u>Photo</u>	<u>Description</u>
	93/94. Repair above window laminating. Full length of panel
	95. Laminating concrete – 400 x 200
	96/97. Repair above window laminating. Full length of panel
	98. Laminating concrete – 100 x 100
	99. Laminating concrete – 100 x 100
	100. Laminating concrete – 200 x 100
	101. Laminating concrete – 100 x 100

Main Building – South Elevation

Drop No 5.

<u>Photo</u>	<u>Description</u>
	102. Repair above window laminating. Full length of panel
	103. Laminating concrete – 80 x 80
	104. Laminating concrete – 70 x 70
	105. Laminating concrete – 50 x 100
	106. Spalled concrete – 100 x 100
	107. Repair above window laminating. Full length of panel
	108. Spalled concrete – 60 x 200

- 109. Spalled concrete – 100 x130
- 110. Spalled concrete – 50 x 50
- 111. Mastic seal above window showing signs of shrinkage
- 112. Mastic seal above window showing signs of shrinkage
- 113. Bottom of panel laminating – 1300
- 114. Spalled concrete – 80 x 130
- 115. Spalled concrete – 80 x 60
- 116. Spalled concrete – 80 x 100
- 117. No image. Spalled concrete – 70 x 60

Main Building – East Elevation

Drop No 1.

<u>Photo</u>	<u>Description</u>
	118/199. Crack in concrete floor section. 2000 long. Lamination to concrete – 400 x 100
	120. Laminating concrete – 50 x 50
	121. Lamination/spalling to bottom of panel – 300 x 60
	122. Lamination/spalling to bottom of panel – 400 x 50
	123. Spalled concrete – 200 x 50
	124. Lamination to bottom of panel – 400 x 50

Main Building – East Elevation

Drop No 2.

<u>Photo</u>	<u>Description</u>
	125. Laminating concrete – 700 x 100
	126. Laminating concrete – 500 x 70
	127. Laminating concrete – 800 x 70
	128. Laminating concrete – 1000 x 80
	129. Lamination to bottom of panel – 150 x 50
	130. Repair above window laminating – 500 x 50
	131. Repair above window laminating – 1150 x 50
	132. Repair above window laminating – 250 x 50
	133. Repair above window laminating – 830 x 70

Main Building – East Elevation

Drop No 3.

<u>Photo</u>	<u>Description</u>
	134. Laminating concrete – 500 x 150
	135. Laminating concrete – 500 x 150
	136. Lamination to bottom of panel – 1000 x 300
	137. Lamination to bottom of panel – 800. Lamination to floor – 1800 x 150
	138. Repair above window laminating – 300 x 50
	139. Repair above window laminating – 150 x 50
	140. Laminating concrete – 1500 x 150
	141. Lamination to bottom of panel – 300 x 150. Lamination to floor level – 150 x 60
	142. Laminating/spalled concrete – 100 x 200
	143. Laminating concrete – 1000 x 100

### Main Building – East Elevation

#### Drop No 4.

<u>Photo</u>	<u>Description</u>
	144. Laminating concrete – 1700 x 130
	145. Laminating concrete – 90 x 90
	146. Spalled/laminating concrete – 1400 x 700

### Main Building – East Elevation

#### Drop No 5.

<u>Photo</u>	<u>Description</u>
	147/148. Bottom of panel laminating, including repair. Full length of panel – 4800 x 100
	149. Bottom of panel laminating – 1500 x 1500
	150. Repair above window laminating – 1000 x 50
	151. Lamination to top of panel – 1500
	152-154. Bottom of panel laminating. Full length of panel – 4800
	155. Laminating concrete – 80 x 80
	156. Lamination to bottom of panel – 2800 x 150
	157. Lamination to bottom of panel – 500
	158. Lamination to bottom of panel – 500
	159. Lamination to bottom of panel – 500
	160. Laminating concrete – 100 x 100
	161-163. Bottom of panel laminating to full length of panel – 4800

### Main Building – North Elevation

#### Drop No 1.

<u>Photo</u>	<u>Description</u>
	164. Lamination to repair above window. Full length of panel
	165. Lamination to repair above window. Full length of panel
	166. Laminating/spalled concrete to corner of panel – 150 x 150
	167. Repair to bottom of panel laminating – 1800 x 60

### Main Building – North Elevation

#### Drop No 2/3.

<u>Photo</u>	<u>Description</u>
	168. Bottom of panel laminating – 190 x 60
	169. Laminating/spalling to bottom of panel 200 x 100
	170. Lamination to concrete – 80 x 60
	171. Lamination/spalling to bottom of panel – 100 x 100

### Main Building – North Elevation

#### Drop No 4.

<u>Photo</u>	<u>Description</u>
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- 172. Laminating concrete – 80 x 1000
- 173. Lamination to bottom corner of panel – 150 x 50
- 174. Lamination to bottom of panel – 2000
- 175. Lamination to bottom of panel – 50 x 50
- 176. Lamination to concrete – 80 x 80
- 177. Bottom of panel lamination – 200 x 50
- 178. Spalled concrete – 100 x 100

Main Building – North Elevation

Drop No 5.

Photo

Description

- 179. Lamination to bottom of panel – 100 x 100. Lamination to concrete floor – 100 x 1000
- 180. Laminating concrete – 120 x 100
- 181. Laminating concrete – 90 x 100
- 182. Laminating concrete – 80 x 60
- 183. Spalling to bottom of panel – 770 x 80
- 184. Spalling to bottom of panel – 1480 x 80
- 185. Spalling to bottom of panel – 240 x 50

Annex – East Elevation

Drop No 1/2.

<u>Photo</u>	<u>Description</u>
	1. Repair above window laminating. Full length of panels - 9600
	2. Lamination to concrete – 150 x 9600
	3. Lamination to concrete as item 2
	4. Lamination to concrete as item 2
	5. Repair not finished. Water ingress possible at top of repair
	6. Spalled concrete – 2 x 60 x 60
	7. Lamination to concrete - 50 x 300
	8/9. Repair laminating above window - 9600 x 80
	10. Repair above window laminating. Full length of panels – 9600 x 80
	11. Lamination to concrete – 150 x 150
	12. Lamination to concrete – 60 x 60 / 60 x 150
	13. Lamination to concrete – 60 x 400
	14. Lamination to bottom of panel – 4800
	15. As item 4

Annex – East Elevation

Drop No 1/2/3/4.

<u>Photo</u>	<u>Description</u>
	16/19. Lamination/spalling to concrete – 150 x 4800
	20. Lamination to concrete – 150 x 4800
	21. Lamination to concrete – 150 x 500
	22. Lamination to concrete – 100 x 400
	23. Lamination to concrete – 500 x 100
	24. Spalled concrete – 130 x 120
	25. Lamination to concrete – 150 x 50
	26. Lamination to concrete – 60 x 60
	27. Spalled concrete – 150 x 100 / 150 x 150
	28. Spalled concrete – 150 x 150
	29. Spalled concrete - 150 x 100
	30. Lamination/spalling to concrete – 200 x 200
	31. Lamination to concrete – 150 x 200
	32. Lamination to bottom of panel – 500. Also lamination to concrete floor – 150 x 200

Annex – West Elevation

Drop No 1

<u>Photo</u>	<u>Description</u>
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- 33/34. Repair above window laminating. Full length of panel
- 35. Spalled concrete – 150 x 150 / 150 x 150
- 36. No image. Spalled concrete – 80 x 80
- 37. Spalling to bottom of panel – 150 x 400 / 200 x 60
- 38. Spalling to bottom of panel – 60 x 1000
- 39. Spalling to concrete – 150 x 100
- 40/41. Repair above window laminating – 150 x 4800
- 42. Lamination to concrete – 150 x 150 / 100 x 100

Annex – West Elevation

Drop No 2.

<u>Photo</u>	<u>Description</u>
	43. Repair above window laminating – 100 x 4800
	44. Lamination to concrete – 60 x 100
	45. Repair above window laminating – 50 x 4800
	46. Lamination to concrete – 60 x 60 / 150 x 100
	47. Spalling to bottom of panel – 80 x 800
	48. Bottom of panel laminating 400 x 60

Annex – West Elevation

Drop No 3.

<u>Photo</u>	<u>Description</u>
	49. Spalling lamination to bottom of panel – 1200 x 200. Repair above window not finished flush with concrete floor
	50. Repair above window loose – 1000 x 60
	51. Lamination to bottom of panel – 100 x 50. Repair above window loose – 400 x 60
	52. Repair above window loose – 500 x 60
	53. Repair above window laminating – 150 x 4800
	54. As item 53
	55/56. Repair above window laminating – 50 x 4800
	57. Lamination to top of panel – 2500 x 800

Annex – West Elevation

Drop No 4.

<u>Photo</u>	<u>Description</u>
	58. Repair above window laminating – 2000 x 100
	59. Repair above window laminating – 440 x 60
	60. Lamination to concrete – 600 x 100
	61. Repair above window laminating – 4800 x 100
	62. As item 61
	63. Lamination to bottom of panel – 2000 x 60
	64. Lamination to concrete – 120 x 80

Annex – West Elevation

Drop No 5.

<u>Photo</u>	<u>Description</u>
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- 65. Lamination/spalling to concrete – 1800 x 200
- 66. Lamination to concrete – 60 x 100 / 50 x 50
- 67. Repair above window laminating – 80 x 1800
- 68. Repair above window laminating – 4800 x 100
- 69. Lamination/spalling to bottom of panel – 100 x 100 / 50 x 100
- 70. Lamination to concrete – 100 x 100
- 71. Lamination to front of panel – 1000 x 1000
- 72. Lamination to bottom of panel – 400 x 100
- 73. Lamination to bottom of panel – 500 x 50
- 74. Lamination/spalling to bottom of panel – 1500 / 300 x 80
- 75. Spalled concrete bottom of panel – 300 x 80

Annex – North Elevation

Drop No 1.

<u>Photo</u>	<u>Description</u>
	76. Lamination/spalling to concrete – 150 x 800. Repair above window loose – 60 x 4800
	77. Repair above window laminating 80 x 4800
	78. Spalling to bottom of panel – 400 x 80
	79. Repair above window laminating – 80 x 4800
	80. Lamination to concrete – 200 x 100

Annex – North Elevation

Drop No 2.

<u>Photo</u>	<u>Description</u>
	81. Lamination to repair above window – 2500 x 100
	82. Lamination to repair above window – 1500 x 60
	83. Lamination to bottom of panel – 600 x 50

Annex – North Elevation

Drop No 3.

<u>Photo</u>	<u>Description</u>
	84. Lamination to repair above window – 100 x 4800
	85. Lamination to repair above window – 100 x 4800
	86. No image. Spalled concrete – 60 x 100
	87. Lamination to repair above window – 100 x 4800
	88. Lamination to bottom of panel – 100 x 60
	89. Spalling to bottom of panel – 100 x 100 / 200 x 60
	90. Lamination to repair above window – 100 x 4800
	91/92. Lamination to repair above window – 100 x 4800

Annex – North Elevation

Drop No 4.

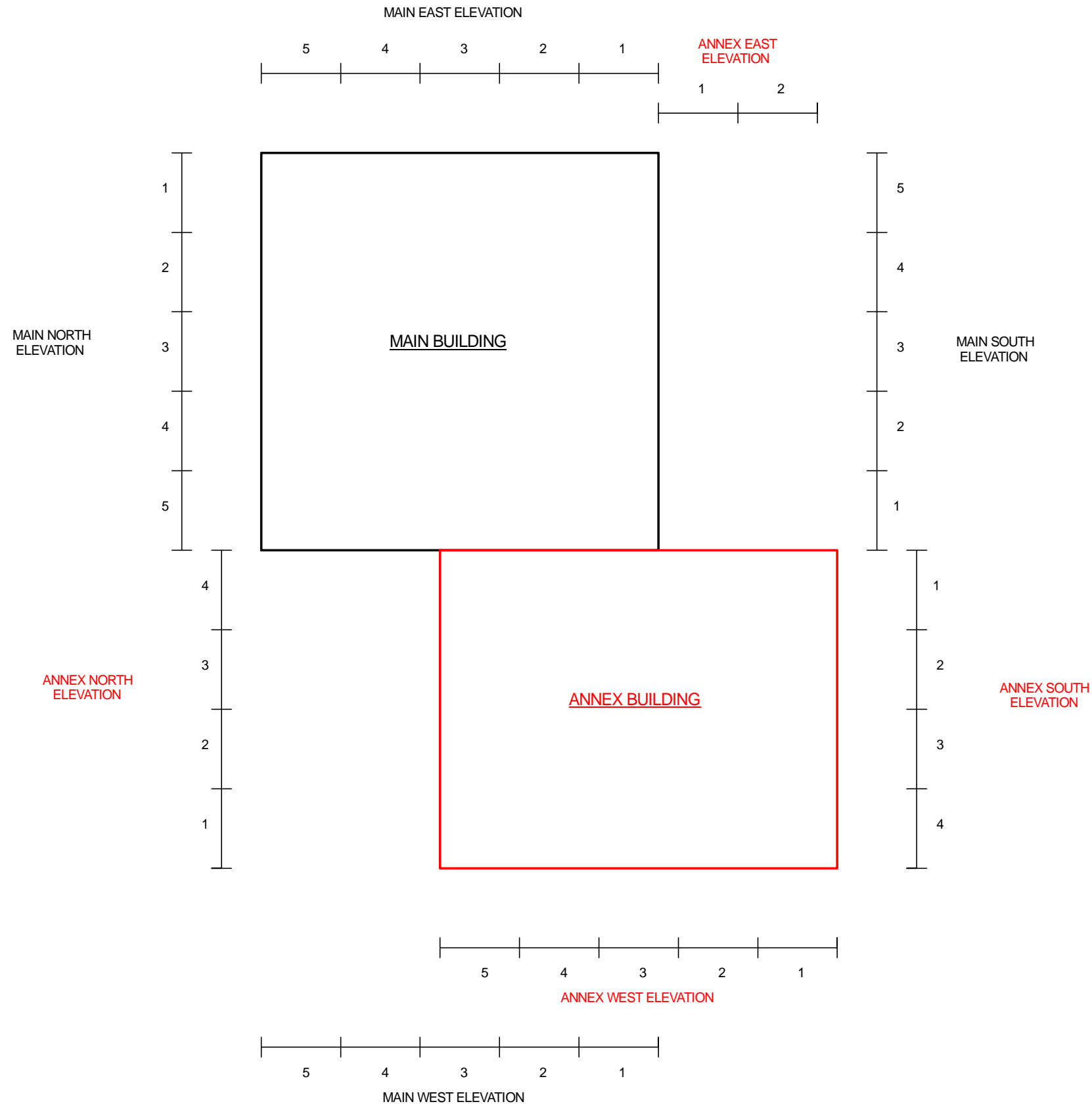
<u>Photo</u>	<u>Description</u>
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- 93. Repair above window laminating – 800 x 100
- 94. Repair above window laminating – 1800 x 100
- 95. Crack in concrete floor – 800
- 96. Repair above window laminating – 60 x 4800
- 97. Lamination around Hilti insert – 250 x 100
- 98. Repair above window laminating – 3000 x 100



**STONE**  
TECHNICAL SERVICES

Head Office -  
TEL: 01325 282794 FAX: 01325 487329  
Southern Office -  
TEL: 0208 4296700 FAX: 0208 4296755



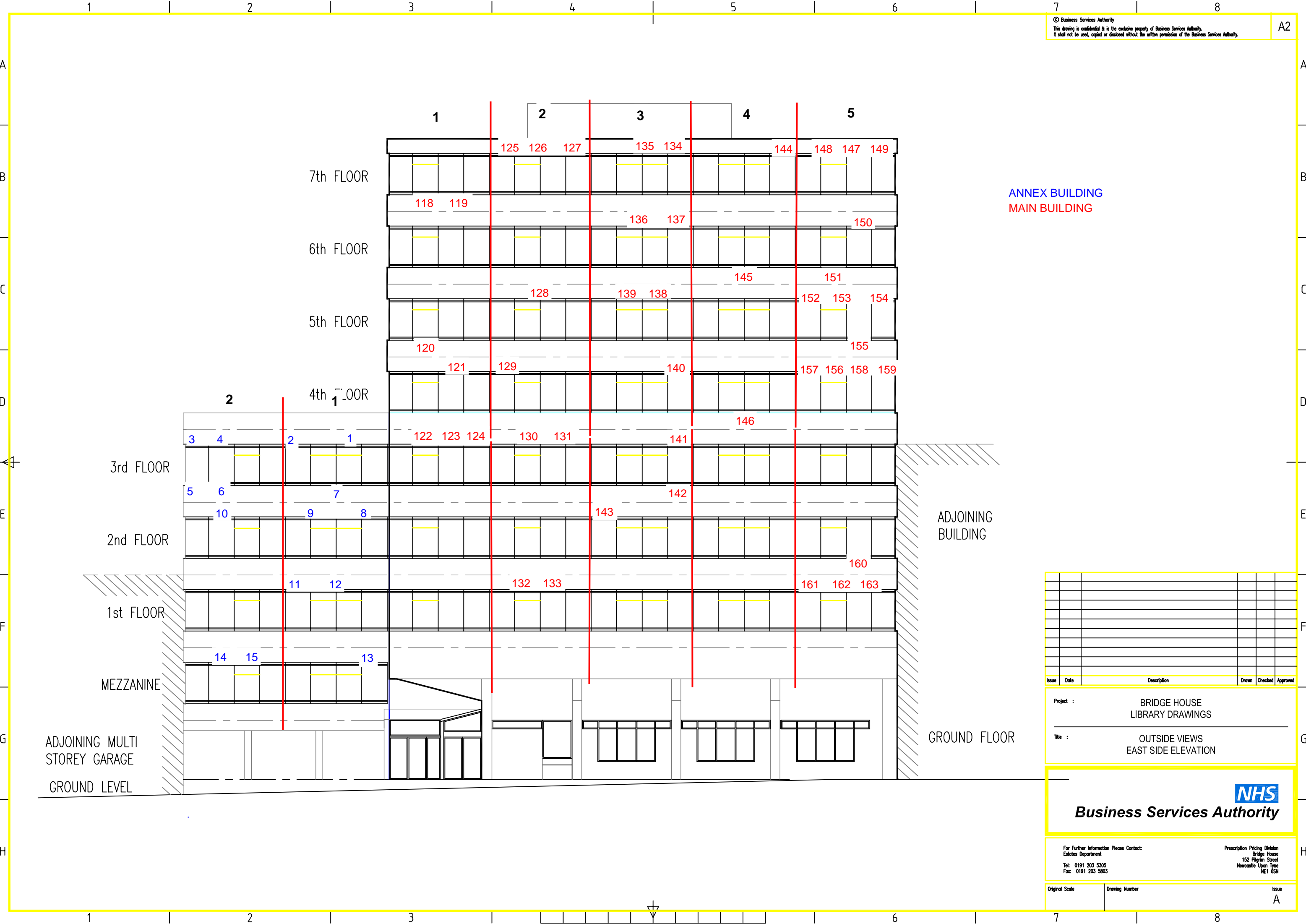
**STONE TECHNICAL SERVICES**

Client: **NHSS**

Site: **Bridge House**

Concrete Survey

Not To Scale



ANNEX BUILDING  
 MAIN BUILDING

ADJOINING BUILDING

GROUND FLOOR

ADJOINING MULTI STOREY GARAGE  
 GROUND LEVEL

Issue	Date	Description	Drawn	Checked	Approved

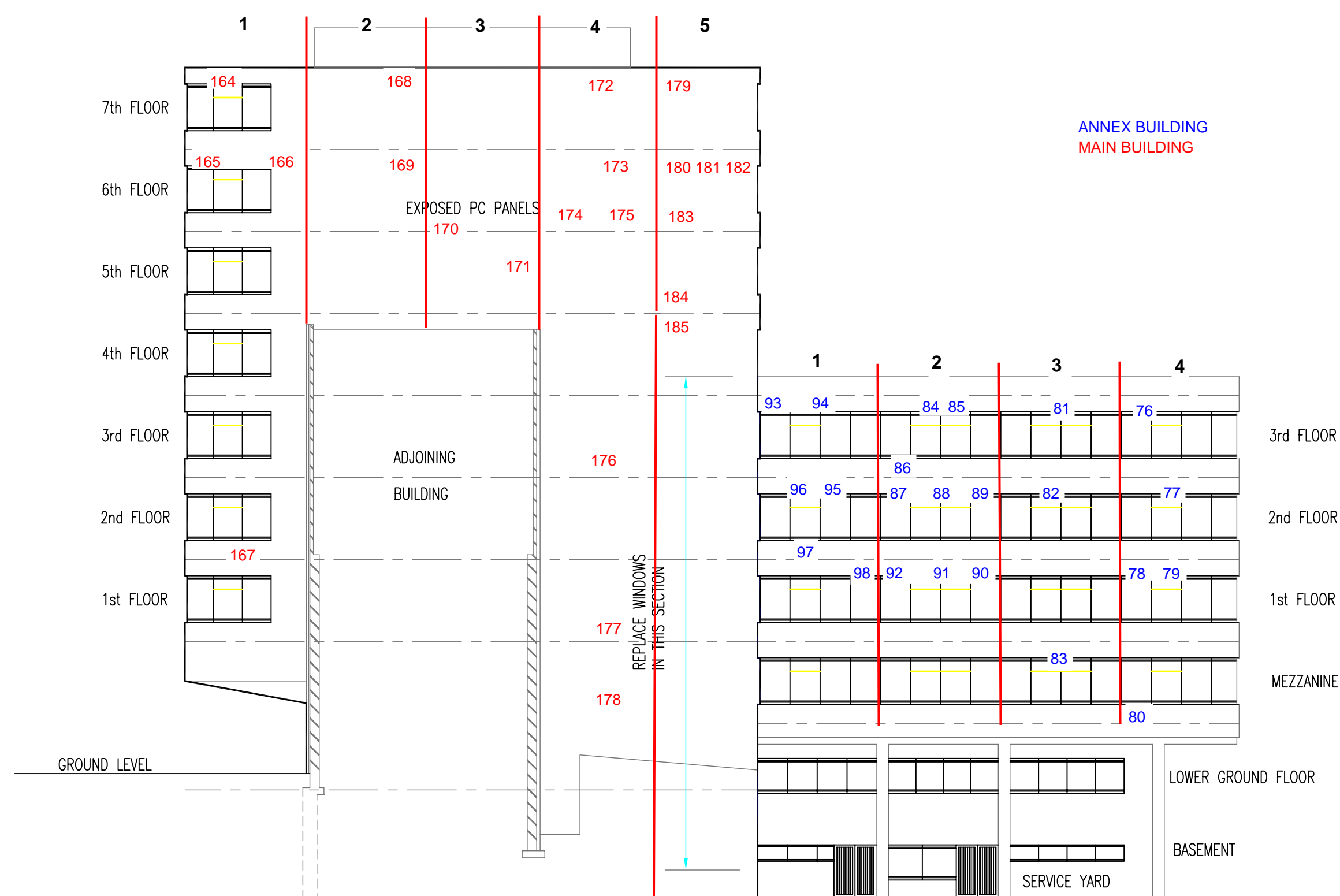
Project : BRIDGE HOUSE LIBRARY DRAWINGS  
 Title : OUTSIDE VIEWS EAST SIDE ELEVATION



For Further Information Please Contact:  
 Estates Department  
 Tel: 0191 203 5305  
 Fax: 0191 203 5803

Prescription Pricing Division  
 Bridge House  
 152 Pilgrim Street  
 Newcastle Upon Tyne  
 NE1 6SN

Original Scale:      Drawing Number:      Issue: A



Issue	Date	Description	Drawn	Checked	Approved

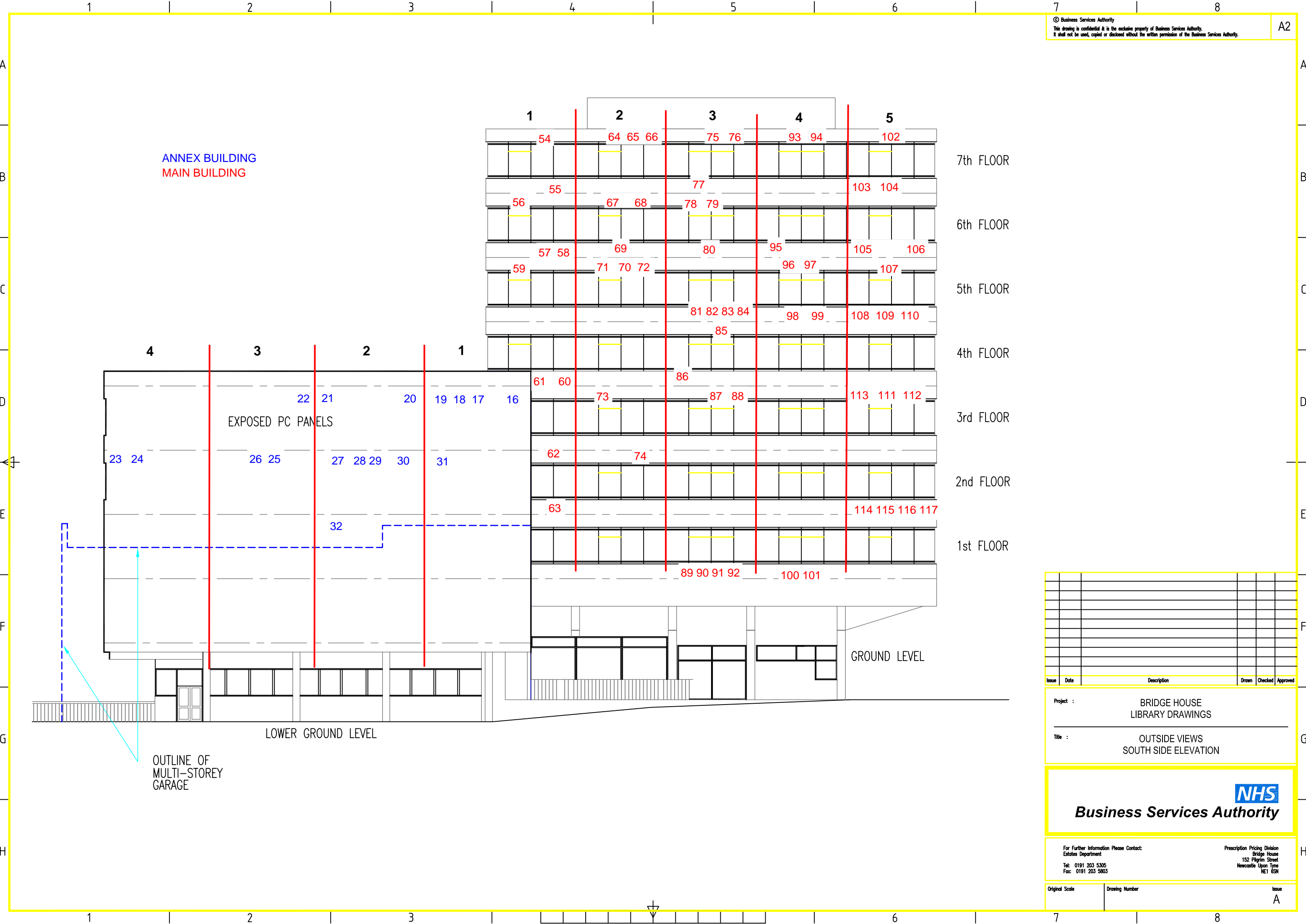
Project : BRIDGE HOUSE LIBRARY DRAWINGS  
 Title : OUTSIDE VIEWS NORTH SIDE ELEVATION



For Further Information Please Contact:  
 Estates Department  
 Tel: 0191 203 5305  
 Fax: 0191 203 5803

Prescription Pricing Division  
 Bridge House  
 152 Pilgrim Street  
 Newcastle Upon Tyne  
 NE1 6SN

Original Scale: Drawing Number: Issue: A



Issue	Date	Description	Drawn	Checked	Approved

Project : BRIDGE HOUSE LIBRARY DRAWINGS

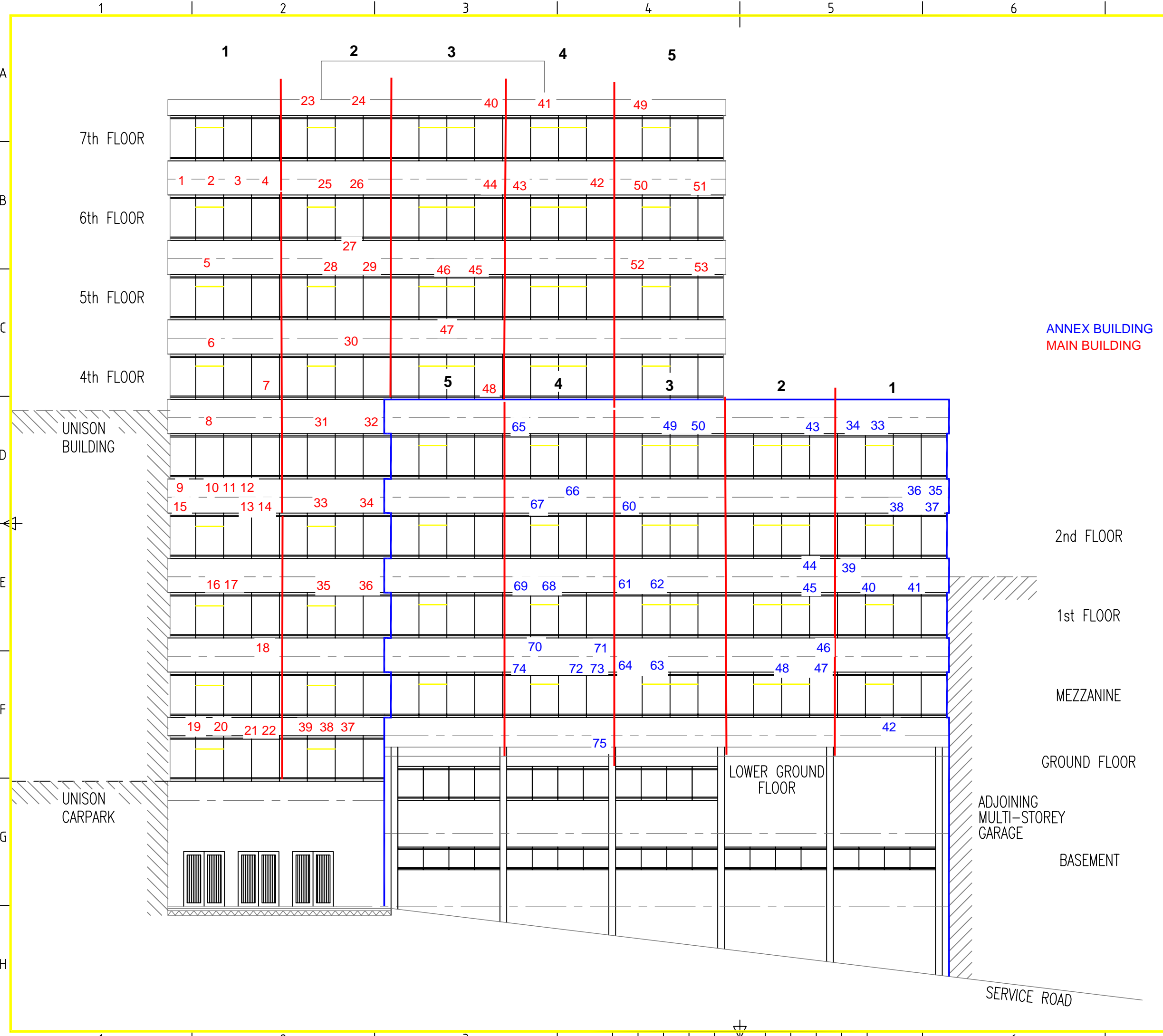
Title : OUTSIDE VIEWS SOUTH SIDE ELEVATION



For Further Information Please Contact:  
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 Tel: 0191 203 5305  
 Fax: 0191 203 5803

Prescription Pricing Division  
 Bridge House  
 152 Pilgrim Street  
 Newcastle Upon Tyne  
 NE1 6SN

Original Scale:      Drawing Number:      Issue: A



ANNEX BUILDING  
 MAIN BUILDING

Issue	Date	Description	Drawn	Checked	Approved

Project : BRIDGE HOUSE  
 LIBRARY DRAWINGS

Title : OUTSIDE VIEWS  
 WEST SIDE ELEVATION



For Further Information Please Contact:  
 Estates Department  
 Tel: 0191 203 5305  
 Fax: 0191 203 5803

Prescription Pricing Division  
 Bridge House  
 152 Pilgrim Street  
 Newcastle Upon Tyne  
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