

## **Background**

As noted in the 2024 HLM report, the stability of the oriel window masonry was highlighted as concern. Indeed, this has been known about for some time and was being monitored awaiting funding became available to allow remedial works to take place. Following the report this area was fenced off and an enclosure was also added at ground level. It appears unlikely that funding will be forthcoming soon so in the meantime we seek to prevent access to the windows as a temporary measure.

## **Proposal**

It is proposed to introduce a wire net as a lightweight balustrade element to prevent access into the bay areas.

## **Method**

At each reveal, up to a height of approximately 1100mm above FFL a series of fixings will be installed into joints, (where possible), to provide adequate fixings for the Webnet. On the left hand side hooks, on the right eye bolts. Hooks will be used down one side to allow the Webnet to be unhooked and moved aside in future to complete periodic maintenance as required. These fixings will be used to secure a perimeter edge rope which will also span the gap at 1100mm and 150mm above FFL.

Once the hooks and eyes are in place the 8mm edge rope is threaded through the eyes and hooks. Both ends of the rope should have eyes installed with crimps, with ends connected to the turnbuckle. This is then tightened until the edge cable is taught creating a ring.

The Webnet should then be cut to fit the ring and held in place close to the ring with the use of zip ties. Once held in place a 2mm dia s/s rope is then lacing along the side of the Webnet looping through each net hole and in turn around the 8mm edge rope. Once completed the ends are crimped together.

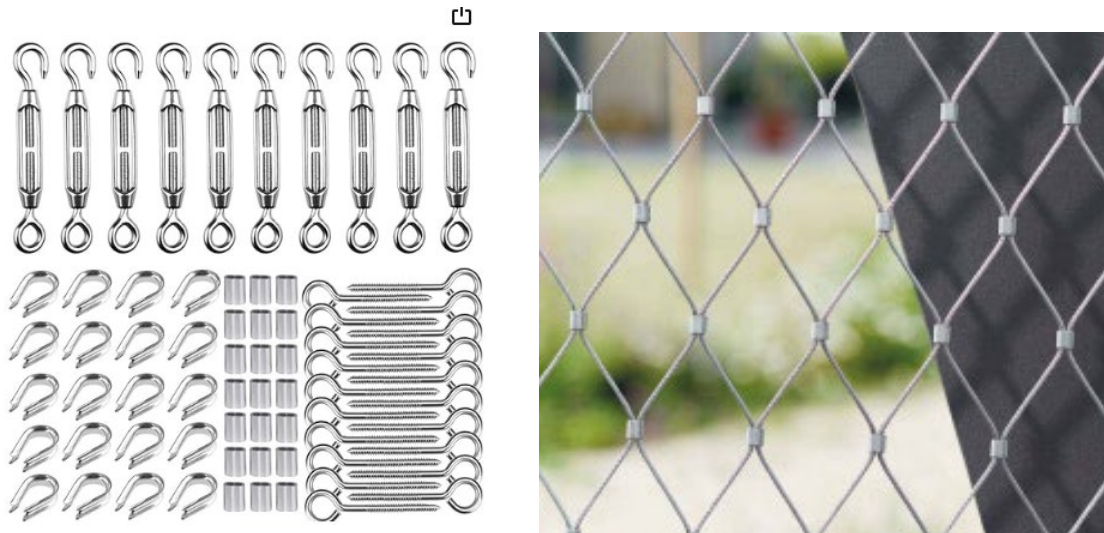


Fig 1: Turnbuckle, eyebolts and Webnet Micro products

It is proposed to install Jakob Webnet Micro (or similar), 316 grade s/s mesh, 2mm rope dia. 50x91mm mesh size with a 43mm mesh aperture across the web. In this instance the edge rope will be a much thicker 8mm s/s steel rope to ensure a robust edge. The Webnet will be laced onto the 8mm rope using 2mm s/s rope.

Access to the restricted space will be facilitated by loosening the turnbuckle and unhooking the rope from the hooks, allowing the Webnet to be placed on one side, before being hooked back up and tightened once more when maintenance is completed.

**Webnet Micro** Werkstoffgruppe AISI 316 | Maschenwinkel - 60°  
 Groupe de matériaux AISI 316 | Angle de maille - 60°  
 Material group AISI 316 | Mesh angle - 60°

Nr. / N° / No.	Seil Cable Rope Ø	Konstruktion Construction	Maschenweite Dimension de maille Mesh aperture MW x ML	Gewicht Poids Weight	Seillänge Longueur du câble Rope length	Anzahl Hülsen Nombre de douilles Number of sleeves	Druchgangsmaße <sup>1</sup> Dimension de maille <sup>1</sup> Mesh aperture <sup>1</sup>				max. Produktionslänge <sup>2</sup> Longueur max. de production <sup>2</sup> max. production length <sup>2</sup>	Lichtdurchlässigkeit <sup>3</sup> Transmittance Light transmission
							A	a	b	Od		
20261-0100-020	1	6 x 7 + WC	20 x 37,99	1,31	328	9	19	15		30	82,5	
20261-0100-025	1	6 x 7 + WC	25 x 45,52	0,92	110	1620	511	12	22	20	86,6	
20261-0100-030	1	6 x 7 + WC	30 x 53,64	0,79	107	1173	734	14	26	25	89,3	
20261-0100-035	1	6 x 7 + WC	35 x 61,33	0,68	101	884	994	17	30	29	91,1	
20261-0100-040	1	6 x 7 + WC	40 x 70,36	0,51	73	662	1319	19	35	34	92,4	
20261-0100-050	1	6 x 7 + WC	50 x 87,34	0,37	57	410	2074	24	43	42	94,2	
20261-0100-060	1	6 x 7 + WC	60 x 104,56	0,3	48	281	3007	29	52	51	95,3	
20261-0100-070	1	6 x 7 + WC	70 x 121,88	0,25	42	218	4118	34	60	60	96,1	
20261-0100-080	1	6 x 7 + WC	80 x 139,04	0,24	36	163	5388	39	69	69	96,6	
20261-0150-025	1,5	6 x 7 + WC	25 x 45,46	1,84	88	1822	476	12	22	19	79,2	
20261-0150-030	1,5	6 x 7 + WC	30 x 60,73	1,28	73	1105	794	14	30	24	84	
20261-0150-035	1,5	6 x 7 + WC	35 x 67,98	1,2	62	855	1060	16	33	29	86	
20261-0150-040	1,5	6 x 7 + WC	40 x 75,18	0,85	55	663	1361	19	37	34	88,6	
20261-0150-050	1,5	6 x 7 + WC	50 x 91,39	0,64	44	451	2113	24	45	44	91,1	
20261-0150-060	1,5	6 x 7 + WC	60 x 107,78	0,5	38	315	3033	29	53	54	92,8	
20261-0150-070	1,5	6 x 7 + WC	70 x 124,78	0,47	32	232	4138	34	62	61	94	
20261-0150-080	1,5	6 x 7 + WC	80 x 141,45	0,34	29	189	5399	39	70	69	94,8	
20261-0150-100	1,5	6 x 7 + WC	100 x 175,34	0,3	22	126	8449	49	87	87	96	
20261-0150-120	1,5	6 x 7 + WC	120 x 210,36	0,24	18	85	12243	59	104	104	96,7	
20261-0150-140	1,5	6 x 7 + WC	140 x 244,98	0,2	16	60	16710	69	122	122	97,2	
20261-0150-160	1,5	6 x 7 + WC	160 x 280,1	0,17	14	46	21908	79	139	139	97,6	
20261-0150-180	1,5	6 x 7 + WC	180 x 314,33	0,14	13	39	27730	89	156	157	98	
20261-0150-200	1,5	6 x 7 + WC	200 x 348,51	0,13	11	33	34232	99	173	174	98,2	
20261-0150-250	1,5	6 x 7 + WC	250 x 435,6	0,12	9	22	53680	124	217	218	98,5	
20261-0200-040	2	6 x 7 + WC	40 x 74,93	1,54	55	663	1308	18	36	33	84,3	
20261-0200-050	2	6 x 7 + WC	50 x 91,11	1,16	44	451	2049	23	45	43	87,9	

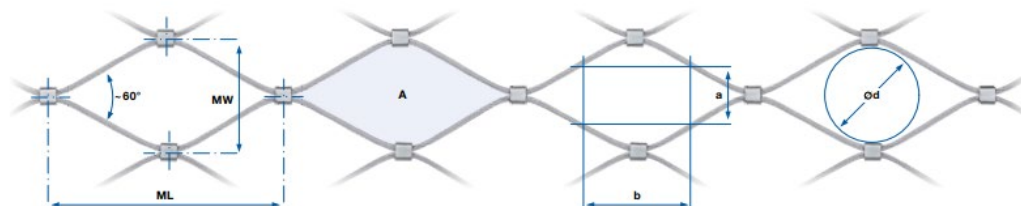


Table 1: Webnet product specifications table and key

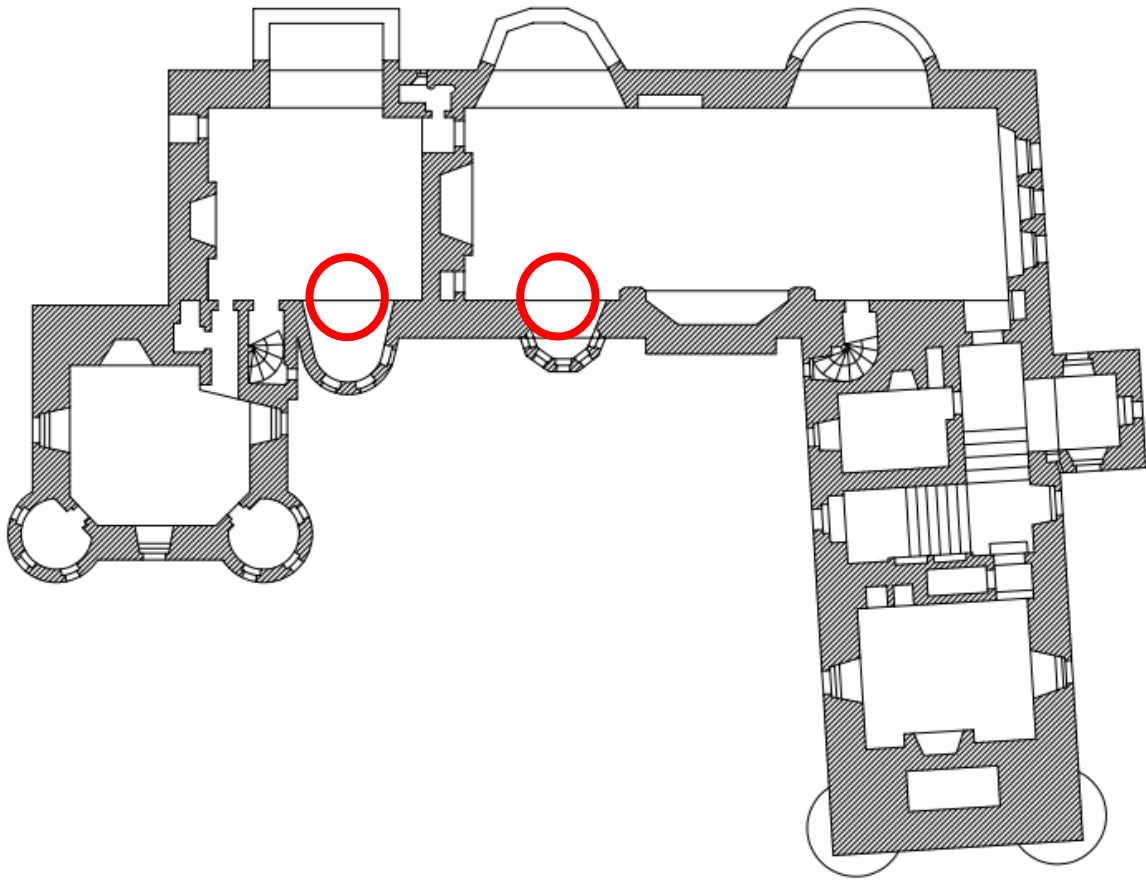


Fig 2: Proposed net installation locations.

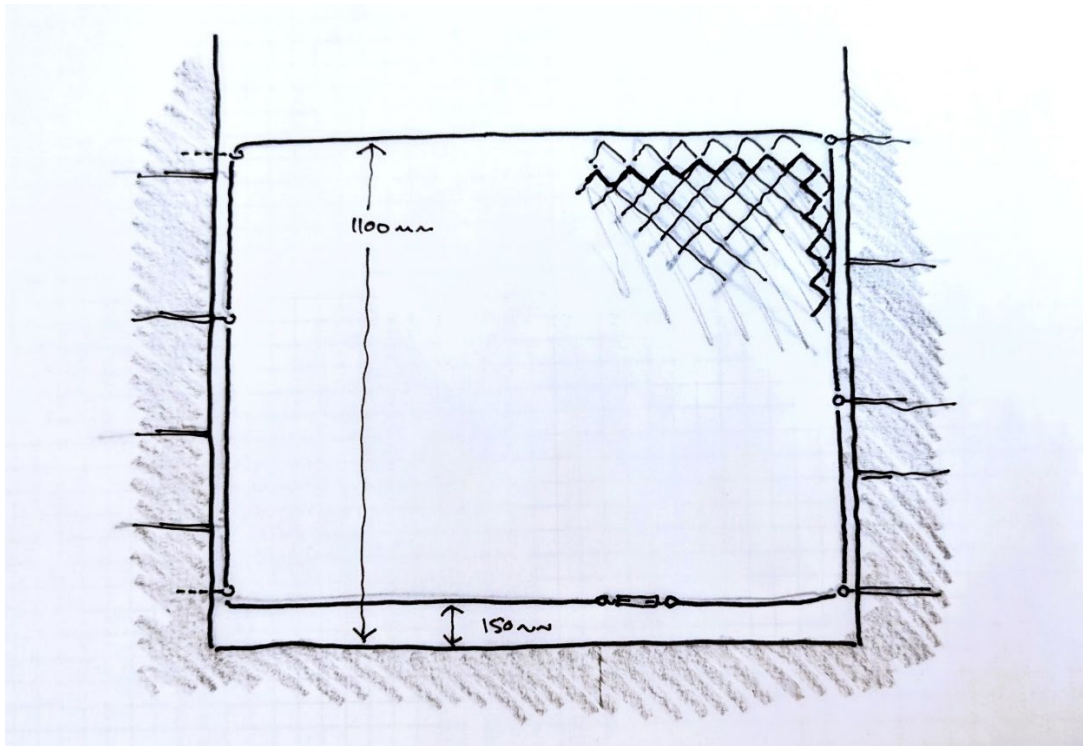


Fig 3: Webnet laced into 8mm dia tensioned cable supported on eyes and hooks inset to masonry.