VOLUME 4: APPENDIX V1-3.1: INDICATIVE TOWER SCHEDULE – PROPOSED ALIGNMENT

TOWER SCHEDULE

SSE DRAWING NUMBER :

Scottish & Southern Electricity Networks — TRANSMISSION

LINE	Strathy Wood - Connagill (Towers 19 to 64)
VOLTAGE	132kV / 275kV
No 1 CIRCUIT ID	Strathy Wood
No 1 CIRCUIT COLOUR CODE	T.B.C
No 2 CIRCUIT ID	Strathy South
No 2 CIRCUIT COLOUR CODE	T.B.C.

PHASE CONDUCTOR SIZE	500mm² AAAC RUBUS
EARTHWIRE CONDUCTOR SIZE / OPGW	48f OPGW KEZIAH EQ.
MINIMUM GROUND CLEARANCE	6.7m / 7.0m
DESIGN TEMPERATURE	90°C
CONTRACTOR	T.B.C.
CONSTRUCTION DATE	T.B.C.

STRATHY WOOD PHASE COLOURING:	**TOP:**	T.B.C.
	MIDDLE:	
	BOTTOM:	
STRATHY SOUTH PHASE COLOURING:	**TOP:**	T.B.C.
	MIDDLE:	
	BOTTOM:	

LSTC DOC REF : 02_230796_12 RevG

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Scottish & Southern Electricity Networks — TRANSMISSION

TOWER NO	TOWER SPEC	TOWER TYPE	TOWER BODY EXT	SPAN LENGTH (m)	WIND SPAN	SECTION LENGTH (m)	ANGLE OF DEVIATION (+ve RIGHT -ve LEFT)	CHAINAGE	GROUND LEVEL	STRUCTURE HEIGHT (G.L. TO PEAK)	ATT.PT (BASED ON TYPICAL SUSP'N INSULATOR)	PHASE INSULATORS: NO OF STRINGS	PHASE INSULATORS: UNIT RATING	PHASE INSULATORS: UNITS PER STRING	PHASE INSULATORS: ARC GAP	PHASE INSULATORS: DRAWING REF.	PHASE INSULATORS: CONDUCTOR TERMINATION	PHASE INSULATORS: ADDITIONAL INSULATOR WEIGHT (IF REQ)	OPGW INSULATORS: UNIT RATING	OPGW INSULATORS: DRAWING REF.	OPGW INSULATORS: CONDUCTOR TERMINATION	PROFILE DRAWING REF.	ROUTE CENTRELINE COORDINATES: EASTING	ROUTE CENTRELINE COORDINATES: NORTHING	JUMPER WEIGHTS - CCT1	JUMPER WEIGHTS - CCT2	VIBRATION DAMPERS - PHASES	VIBRATION DAMPERS - OPGW	CROSSINGS / INFRINGEMENTS IN SPAN	REMARKS	TOWER NO
19	L7C	DJT	STD		278.55		50.10	4478.09	45.13	28.12													282837.20	960415.83						WORKING AREA: 70m x 70m & PROPOSED CONDUCTOR PULLING POSITION	19
				261.63		517.42																									
20	L7C	D	E3		258.71			4739.72	47.79	29.95													282975.73	960637.78						WORKING AREA: 50m x 50m	20
				255.79																									ACCESS TRACK		
21	L7C	D30	E3		254.20		-22.12	4995.51	61.94	29.21													283111.16	960854.77						WORKING AREA: 70m x 70m	21
				252.61																									BURN		
22	L7C	D	E3		250.85			5248.12	66.10	29.95													283154.37	961103.66						WORKING AREA: 50m x 50m	22
				249.09																											
23	L7C	D	E3		249.00			5497.21	70.66	29.95													283196.97	961349.07						WORKING AREA: 50m x 50m	23
				248.92		1238.16																									
24	L7C	D	E3		246.17			5746.13	84.99	29.95													283239.54	961594.32						WORKING AREA: 50m x 50m	24
				243.41																											
25	L7C	D	E3		243.77			5989.54	81.25	29.95													283281.18	961834.15						WORKING AREA: 50m x 50m	25
				244.13																											
26	L7C	D60	E9		237.83		59.74	6233.67	58.24	35.15													283322.93	962074.68						WORKING AREA: 70m x 70m & PROPOSED CONDUCTOR PULLING POSITION	26
				231.52																									BURN		
27	L7C	D	E15		228.76	457.51		6465.19	60.57	42.14													283539.92	962155.43						WORKING AREA: 50m x 50m	27
				225.99																											
28	L7C	D30	E3		234.77		1.02	6691.18	97.42	29.21													283751.72	962234.24						WORKING AREA: 70m x 70m	28
				243.55		243.55																									
29	L8C	DJT	STD		243.37			6934.73	101.91	48.24													283981.44	962315.12						WORKING AREA: 80m x 80m	29
				243.19																									BURN		
30	L8C	D	E7.3		241.46	482.92		7177.92	96.21	53.75													284210.83	962395.88						WORKING AREA: 50m x 50m	30
				239.73																											
31	L8C	D10	E3.7		247.38		1.23	7417.65	118.94	47.47													284436.96	962475.49						WORKING AREA: 80m x 80m	31
				255.03																											
32	L8C	D	M2.4		263.77			7672.68	132.81	43.99													284679.29	962554.98						WORKING AREA: 50m x 50m	32
				272.52																											
33	L8C	D	E4.9		249.47			7945.20	131.72	51.31													284938.23	962639.93						WORKING AREA: 50m x 50m	33
				226.42																											
34	L8C	D	M4.9		253.43			8171.61	146.97	41.55													285153.36	962710.50						WORKING AREA: 50m x 50m	34
				280.44																											
35	L8C	D	E6.1		259.37	2036.62		8452.05	129.08	52.53													285419.83	962797.92						WORKING AREA: 50m x 50m	35
				238.30																									BURN		
36	L8C	D	STD		267.51			8690.35	125.89	46.43													285646.25	962872.20						WORKING AREA: 50m x 50m	36
				296.73																											
37	L8C	D	E3.7		260.97			8987.08	129.36	50.09													285928.20	962964.69						WORKING AREA: 50m x 50m	37
				225.22																									ACCESS TRACK		
38	L8C	D	M4.9		233.60			9212.30	143.18	41.55													286142.20	963034.89						WORKING AREA: 50m x 50m	38
				241.98																											
39	L8C	D30	M3.7		258.73		-13.50	9454.27	145.38	40.16													286372.12	963110.32						WORKING AREA: 80m x 80m	39
				275.47		275.47																									
40	L8C	D60	E3.7		265.06		35.66	9729.75	139.96	48.16													286606.59	963254.91						WORKING AREA: 80m x 80m & PROPOSED CONDUCTOR PULLING POSITION	40
				254.65		254.65																							BURN		
41	L8C	D60	E14.6		248.88		38.90	9984.40	116.60	59.13													286860.62	963237.15						WORKING AREA: 80m x 80m	41
				243.11																											

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41	L8C	D60	E14.6		248.88		38.90	9984.40	116.60	59.13													286860.62	963237.15						WORKING AREA: 80m x 80m	41
				243.11																											
42	L8C	D	M2.4		243.09			10227.51	130.95	43.99													287038.70	963071.66						WORKING AREA: 50m x 50m	42
				243.06		721.07																									
43	L8C	D	E2.4		238.98			10470.57	133.60	48.87													287216.75	962906.19						WORKING AREA: 50m x 50m	43
				234.90																											
44	L8C	D30	STD		242.90		9.05	10705.46	136.94	43.82													287388.82	962746.29						WORKING AREA: 80m x 80m	44
				250.91																											
45	L8C	D	E3.7		250.53			10956.37	126.66	50.09													287543.46	962548.70						WORKING AREA: 50m x 50m	45
				250.16																											
46	L8C	D	E3.7		287.19			11206.53	108.11	50.09													287697.64	962351.71						WORKING AREA: 50m x 50m	46
				324.21		1208.19																							BURN		
47	L8C	D	STD		252.61			11530.74	106.66	46.43													287897.46	962096.39						WORKING AREA: 50m x 50m	47
				181.00																											
48	L8C	D	M1.2		191.46			11711.74	103.01	45.21													288009.02	961953.86						WORKING AREA: 50m x 50m	48
				201.91																											
49	L8C	D30	E3.7		213.15		12.81	11913.65	101.12	47.47													288133.46	961794.86						WORKING AREA: 80m x 80m &	49
				224.40																											
50	L8C	D	STD		225.34			12138.05	100.40	46.43													288229.13	961591.87						WORKING AREA: 50m x 50m	50
				226.27																											
51	L8C	D	E2.4		220.09			12364.32	72.87	48.87													288325.60	961387.20						WORKING AREA: 50m x 50m	51
				213.91		1118.33																							BURN		
52	L8C	D	STD		192.71			12578.23	57.50	46.43													288416.80	961193.70						WORKING AREA: 50m x 50m	52
				171.52																											
53	L8C	D	E4.9		226.88			12749.75	41.30	51.31													288489.93	961038.56						WORKING AREA: 50m x 50m	53
				282.23																									BURN		
54	L8C	D60	E3.7		248.73		-34.48	13031.98	41.73	48.16													288610.26	960783.26						WORKING AREA: 80m x 80m & PROPOSED CONDUCTOR PULLING POSITION	54
				215.23																											
55	L8C	D	E3.7		213.07			13247.21	53.50	50.09													288796.11	960674.72						WORKING AREA: 50m x 50m	55
				210.92		637.93																									
56	L8C	D	E3.7		211.35			13458.13	65.20	50.09													288978.25	960568.34						WORKING AREA: 50m x 50m	56
				211.78																											
57	L8C	D30	STD		201.63		27.46	13669.91	50.05	43.82													289161.12	960461.54						WORKING AREA: 80m x 80m	57
				191.48																											
58	L8C	D	E4.9		201.94			13861.39	26.77	51.31													289263.30	960299.60						WORKING AREA: 50m x 50m	58
				212.40																											
59	L8C	D	E8.5		220.92	819.66		14073.79	16.16	54.97													289376.65	960119.97						WORKING AREA: 50m x 50m	59
				229.44																									BURN ACCESS TRACK		
60	L8C	D	E2.4		207.89			14303.23	25.84	48.87													289499.08	959925.93						WORKING AREA: 50m x 50m	60
				186.34																											
61	L8C	D60	STD		210.60		-30.08	14489.57	35.86	44.50													289598.52	959768.34						WORKING AREA: 80m x 80m & PROPOSED CONDUCTOR PULLING POSITION	61
				234.87		234.87																									
62	L8C	D30	M3.7		241.05			14724.44	31.40	40.16													289806.53	959659.28						WORKING AREA: 80m x 80m	62
				247.24																											
63	L8C	D	E3.7		257.30	514.61		14971.70	23.60	50.09													290047.66	959604.68						WORKING AREA: 50m x 50m	63
				267.37																									HALLADALE RIVER A897 ROAD		
64	L8C	DT	STD		133.69			15239.07	24.52	46.33													290308.48	959545.82						WORKING AREA: 80m x 80m & PROPOSED CONDUCTOR PULLING POSITION	64