

M54 to M6 Link Road

TR010054

Volume 6

6.3 Environmental Statement

Appendices

**Appendix 11.3 Construction Phase
Noise Predictions Monitoring**

Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

October 2020

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms and
Procedure) Regulations 2009**

**M54 to M6 Link Road
Development Consent Order 202[]**

**6.3 Environmental Statement Appendices
Appendix 11.3 Construction Phase Noise
Predictions**

Regulation Number	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010054
Application Document Reference	6.3
Author	M54 to M6 Link Road Project Team and Highways England

Version	Date	Status of Version
3	October 2020	DCO Application - Update due to Proposed Scheme Changes October 2020

List of Figures

Figure A.11.3.1 : R01 - Moseley Old Hall Lane, Featherstone – Day, Ground Floor..	3
Figure A.11.3.2 : R01 - Moseley Old Hall Lane, Featherstone – Evening/Weekend, Ground Floor	5
Figure A.11.3.3 : R01 - Moseley Old Hall Lane, Featherstone – Night, First Floor.....	7
Figure A.11.3.4 : R02 - Penderell Close, Featherstone – Day, Ground Floor	9
Figure A.11.3.5 : R02 - Penderell Close, Featherstone – Evening/Weekend, Ground Floor	11
Figure A.11.3.6 : R02 - Penderell Close, Featherstone – Night, First Floor	13
Figure A.11.3.7 : R03 - Jackson Close, Featherstone – Day, Ground Floor	15
Figure A.11.3.8 : R03 - Jackson Close, Featherstone – Evening/Weekend, Ground Floor	17
Figure A.11.3.9 : R03 - Jackson Close, Featherstone – Night, First Floor	19
Figure A.11.3.10 : R04 - South View Close, Featherstone (South) – Day, Ground Floor	21
Figure A.11.3.11 : R04 - South View Close, Featherstone (South) – Evening/Weekend, Ground Floor	23
Figure A.11.3.12 : R04 - South View Close, Featherstone (South) – Night, First Floor	25
Figure A.11.3.13 : R05 - South View Close, Featherstone (North) – Day, Ground Floor	27
Figure A.11.3.14 : R05 - South View Close, Featherstone (North) – Evening/Weekend, Ground Floor	29
Figure A.11.3.15 : R05 - South View Close, Featherstone (North) – Night, Ground Floor	31
Figure A.11.3.16 : R06 - Cannock Road, Featherstone (South) – Day, Ground Floor	33
Figure A.11.3.17 : R06 - Cannock Road, Featherstone (South) – Evening/Weekend, Ground Floor	35
Figure A.11.3.18 : R06 - Cannock Road, Featherstone (South) – Night, First Floor	37
Figure A.11.3.19 : R07 - South Crescent, Featherstone – Day, Ground Floor	39
Figure A.11.3.20 : R07 - South Crescent, Featherstone – Evening/Weekend, Ground Floor	41
Figure A.11.3.21 : R07 - South Crescent, Featherstone – Night, First Floor	43
Figure A.11.3.22 : R08 - Cannock Road, Featherstone (Central) – Day, Ground Floor	45
Figure A.11.3.23 : R08 - Cannock Road, Featherstone (Central) – Evening/Weekend, Ground Floor	47
Figure A.11.3.24 : R08 - Cannock Road, Featherstone (Central) – Night, First Floor	49

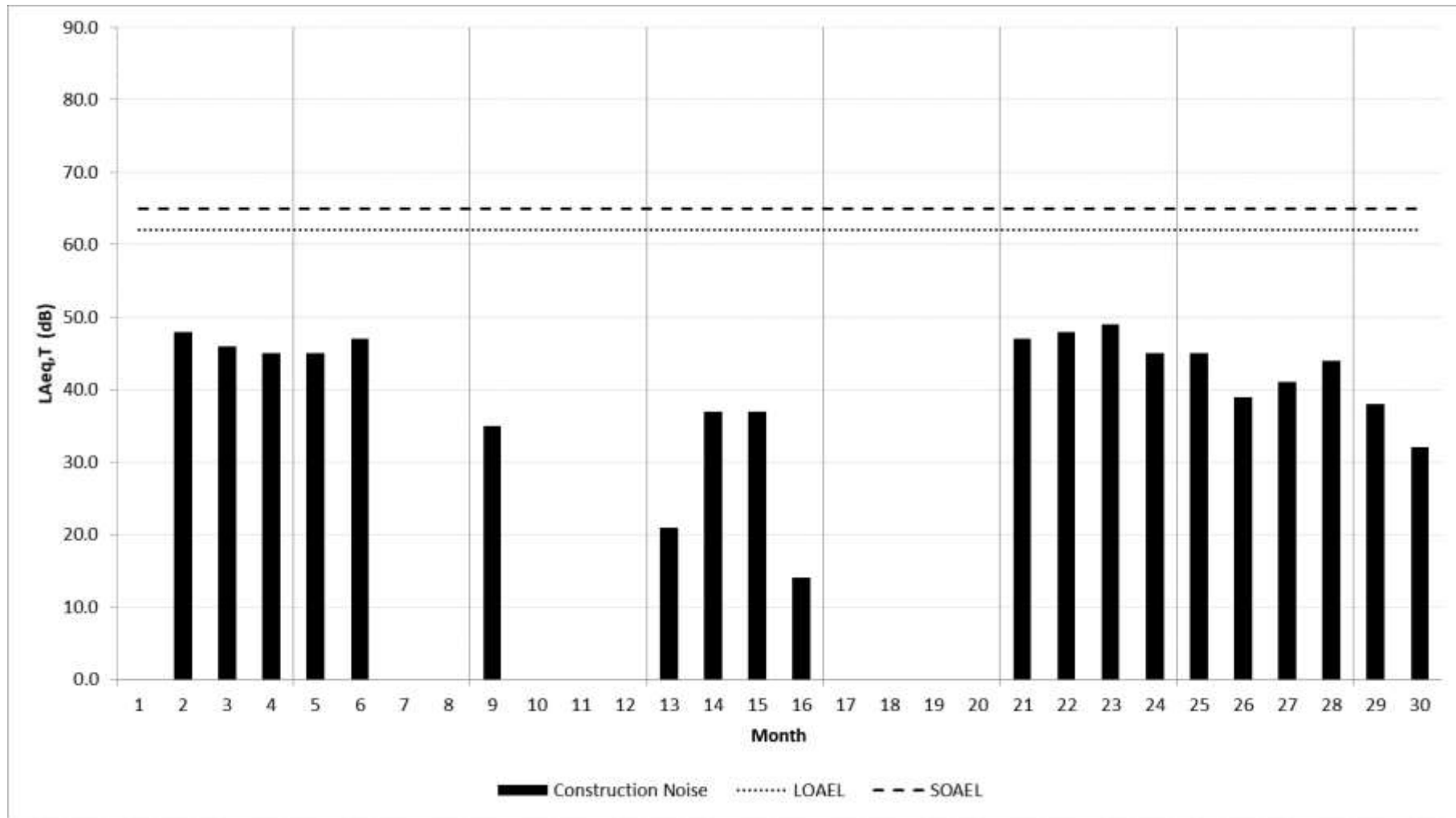
Figure A.11.3.25 : R09 - Olde Hall Road, Featherstone – Day, Ground Floor	51
Figure A.11.3.26 : R09 - Olde Hall Road, Featherstone – Evening/Weekend, Ground Floor	53
Figure A.11.3.27 : R09 - Olde Hall Road, Featherstone – Night, First Floor	55
Figure A.11.3.28 : R10 - Cannock Road, Featherstone (North) – Day, Ground Floor	57
Figure A.11.3.29 : R10 - Cannock Road, Featherstone (North) – Evening/Weekend, Ground Floor	59
Figure A.11.3.30 : R10 - Cannock Road, Featherstone (North) – Night, First Floor	61
Figure A.11.3.31 : R11 - Hilton Road, Featherstone – Day, Ground Floor	63
Figure A.11.3.32 : R11 - Hilton Road, Featherstone – Evening/Weekend, Ground Floor	65
Figure A.11.3.33 : R11 - Hilton Road, Featherstone – Night, Ground Floor	67
Figure A.11.3.34 : R12 - Dark Lane, Featherstone – Day, Ground Floor	69
Figure A.11.3.35 : R12 - Dark Lane, Featherstone – Evening/Weekend, Ground Floor	71
Figure A.11.3.36 : R12 - Dark Lane, Featherstone – Night, First Floor	73
Figure A.11.3.37 : R13 - Park Road, Featherstone – Day, Ground Floor	75
Figure A.11.3.38 : R13 - Park Road, Featherstone – Evening/Weekend, Ground Floor	77
Figure A.11.3.39 : R13 - Park Road, Featherstone – Night, First Floor	79
Figure A.11.3.40 : R14 - Tower House Farm, Hilton Lane, Hilton – Day, Ground Floor	81
Figure A.11.3.41 : R14 - Tower House Farm, Hilton Lane, Hilton – Evening/Weekend, Ground Floor	83
Figure A.11.3.42 : R14 - Tower House Farm, Hilton Lane, Hilton – Night, First Floor	85
Figure A.11.3.43 : R15A - The Shrubbery, Hilton Lane, Hilton (Facing Scheme) - Day, Ground Floor	87
Figure A.11.3.44 : R15A - The Shrubbery, Hilton Lane, Hilton (Facing Scheme) – Evening/Weekend, Ground Floor	89
Figure A.11.3.45 : R15A - The Shrubbery, Hilton Lane, Hilton (Facing Scheme) - Night, First Floor	91
Figure A.11.3.46 : R15B - The Shrubbery, Hilton Lane, Hilton (Facing Hilton Lane) - Day, Ground Floor	93
Figure A.11.3.47 : R15B - The Shrubbery, Hilton Lane, Hilton (Facing Hilton Lane) – Evening/Weekend, Ground Floor	95
Figure A.11.3.48 : R15B - The Shrubbery, Hilton Lane, Hilton (Facing Hilton Lane) - Night, First Floor	97
Figure A.11.3.49 : R16 - Hilton Lane, Shareshill (South East) – Day, Ground Floor	99

Figure A.11.3.50 : R16 - Hilton Lane, Shareshill (South East) – Evening/Weekend, Ground Floor	101
Figure A.11.3.51 : R16 - Hilton Lane, Shareshill (South East) – Night, First Floor .	103
Figure A.11.3.52 : R17A - Hilton Lane, Shareshill (Central - Facing Scheme) - Day, Ground Floor	105
Figure A.11.3.53 : R17A - Hilton Lane, Shareshill (Central - Facing Scheme) – Evening/Weekend, Ground Floor	107
Figure A.11.3.54 : R17A - Hilton Lane, Shareshill (Central - Facing Scheme) - Night, First Floor	109
Figure A.11.3.55 : R17B - Hilton Lane, Shareshill (Central - Facing Hilton Lane) - Day, Ground Floor.....	111
Figure A.11.3.56 : R17B - Hilton Lane, Shareshill (Central - Facing Hilton Lane) – Evening/Weekend, Ground Floor	113
Figure A.11.3.57 : R17B - Hilton Lane, Shareshill (Central - Facing Hilton Lane) - Night, First Floor.....	115
Figure A.11.3.58 : R18A - Hilton Lane, Shareshill (North West - Facing Scheme) - Day, Ground Floor.....	117
Figure A.11.3.59 : R18A - Hilton Lane, Shareshill (North West - Facing Scheme) - Evening/Weekend, Ground Floor	119
Figure A.11.3.60 : R18A - Hilton Lane, Shareshill (North West - Facing Scheme) - Night, Ground Floor.....	121
Figure A.11.3.61 : R18B - Hilton Lane, Shareshill (North West - Facing Hilton Lane) - Day, Ground Floor.....	123
Figure A.11.3.62 : R18B - Hilton Lane, Shareshill (North West - Facing Hilton Lane) – Evening/Weekend, Ground Floor	125
Figure A.11.3.63 : R18B - Hilton Lane, Shareshill (North West - Facing Hilton Lane) - Night, First Floor.....	127
Figure A.11.3.64 : R19 - Brookfield Farm, Cannock Road, Shareshill – Day, Ground Floor	129
Figure A.11.3.65 : R19 - Brookfield Farm, Cannock Road, Shareshill – Evening/Weekend, Ground Floor	131
Figure A.11.3.66 : R19 - Brookfield Farm, Cannock Road, Shareshill – Night, Ground Floor	133
Figure A.11.3.67 : R20 - Wolverhampton Road (South) – Day, Ground Floor	135
Figure A.11.3.68 : R20 - Wolverhampton Road (South) – Evening/Weekend, Ground Floor	136
Figure A.11.3.69 : R20 - Wolverhampton Road (South) – Night, Ground Floor	138
Figure A.11.3.70 : R21 - Wolverhampton Road (North) – Day, Ground Floor	140
Figure A.11.3.71 : R21 - Wolverhampton Road, (North) – Evening/Weekend, Ground Floor	142
Figure A.11.3.72 : R21 - Wolverhampton Road (North) – Night, First Floor	144

Figure A.11.3.73 : R22 - Mill Lane, Shareshill – Day, Ground Floor.....	146
Figure A.11.3.74 : R22 - Mill Lane, Shareshill – Evening/Weekend, Ground Floor	148
Figure A.11.3.75 : R22 - Mill Lane, Shareshill – Night, First Floor.....	150

Appendix 11.3: Construction Phase Noise Predictions

- 1.1.1 The predicted monthly noise levels at each receptor during the construction phase are shown in this appendix illustrated on Figure A.11.3.1 to Figure A.11.3.75. Receptor locations are marked on Figure 11.1 [TR010054/APP/6.2]. For two storey residential properties ground floor results are provided for the daytime and evening, and first floor results for the night. The Lowest Observed Adverse Effect Level (LOAEL) and Significant Observed Adverse Effect Level (SOAEL) for each receptor and time period are shown on the Figures. The predicted noise levels shown are based on the area over which each activity is likely to occur over the course of each month. As detailed in Section 11.3 of the Environmental Statement [TR010054/APP/6.1], to define the SOAEL and LOAEL ambient noise levels at the relevant façade of each of the selected receptors has been determined based on predicted Baseline 2019 traffic flows.
- 2.1.1 At some receptors given the large separation distance between the construction activity taking place and the receptor, predicted noise levels for some months have not been calculated, based on a cut-off distance of 1 km between receptors and construction works. Additionally, there are some periods of the programme where no activities take place in some locations, in particular evening/weekend and night works.



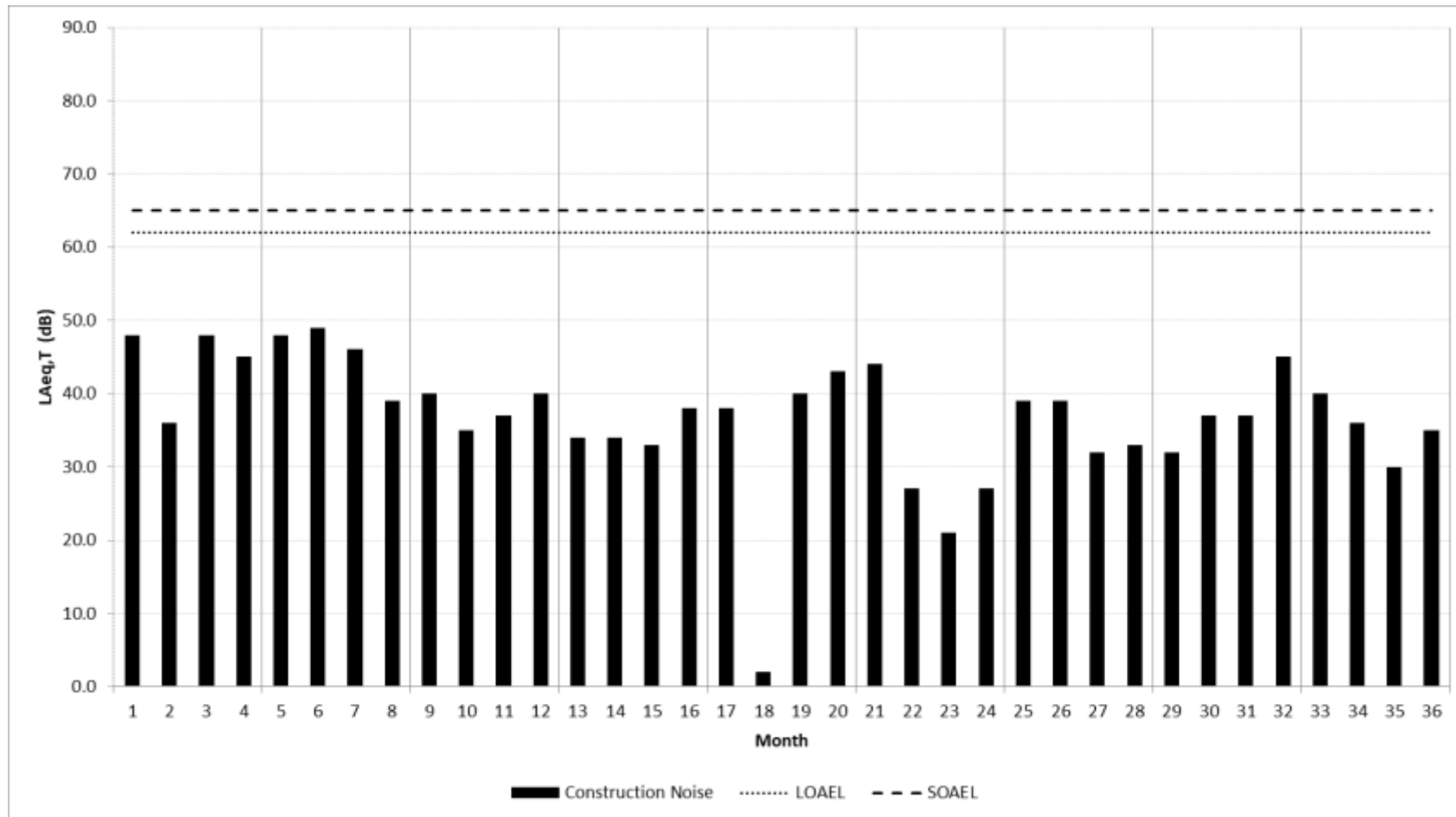
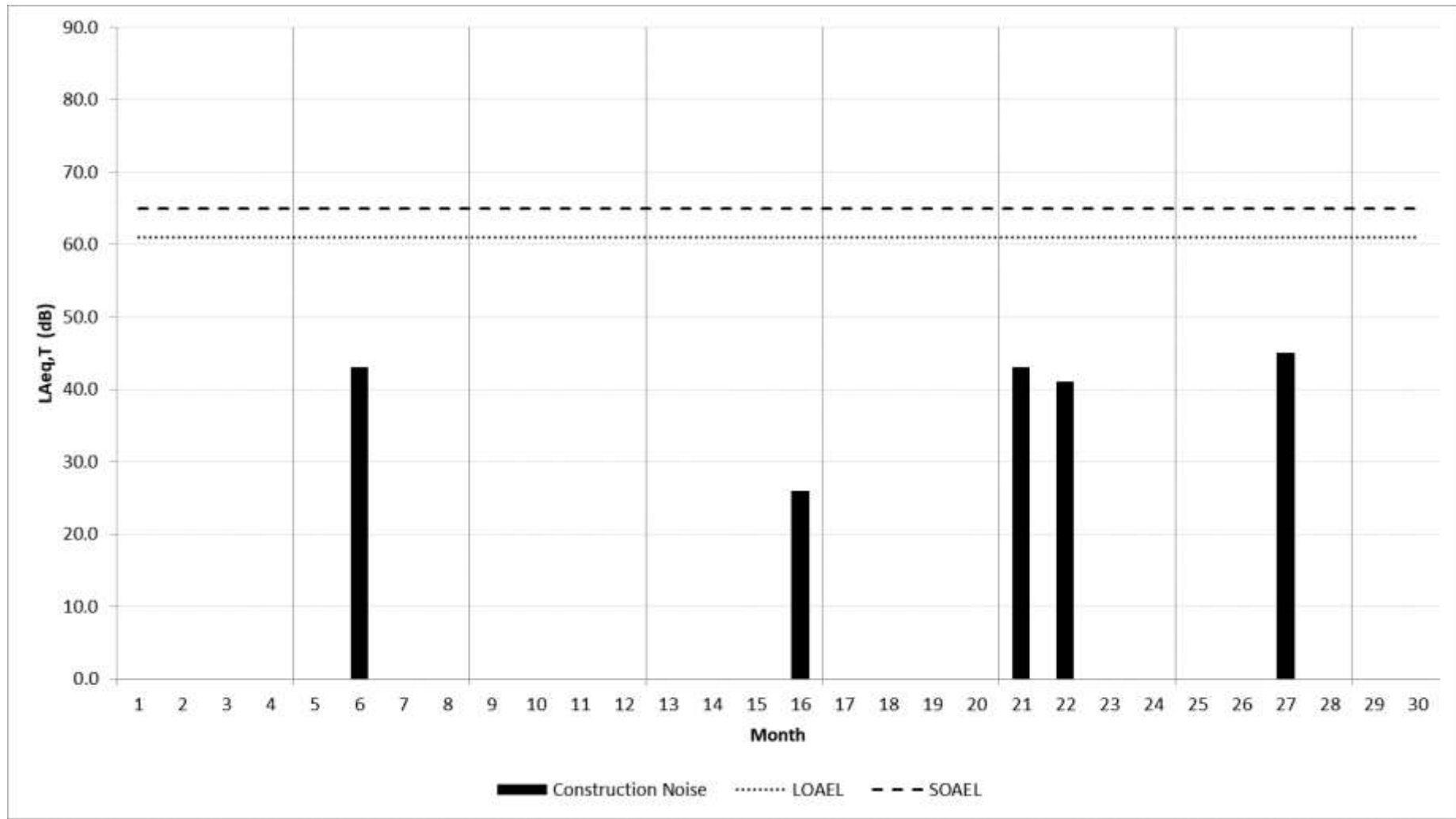


Figure A.11.3.1: R01 - Moseley Old Hall Lane, Featherstone – Day, Ground Floor



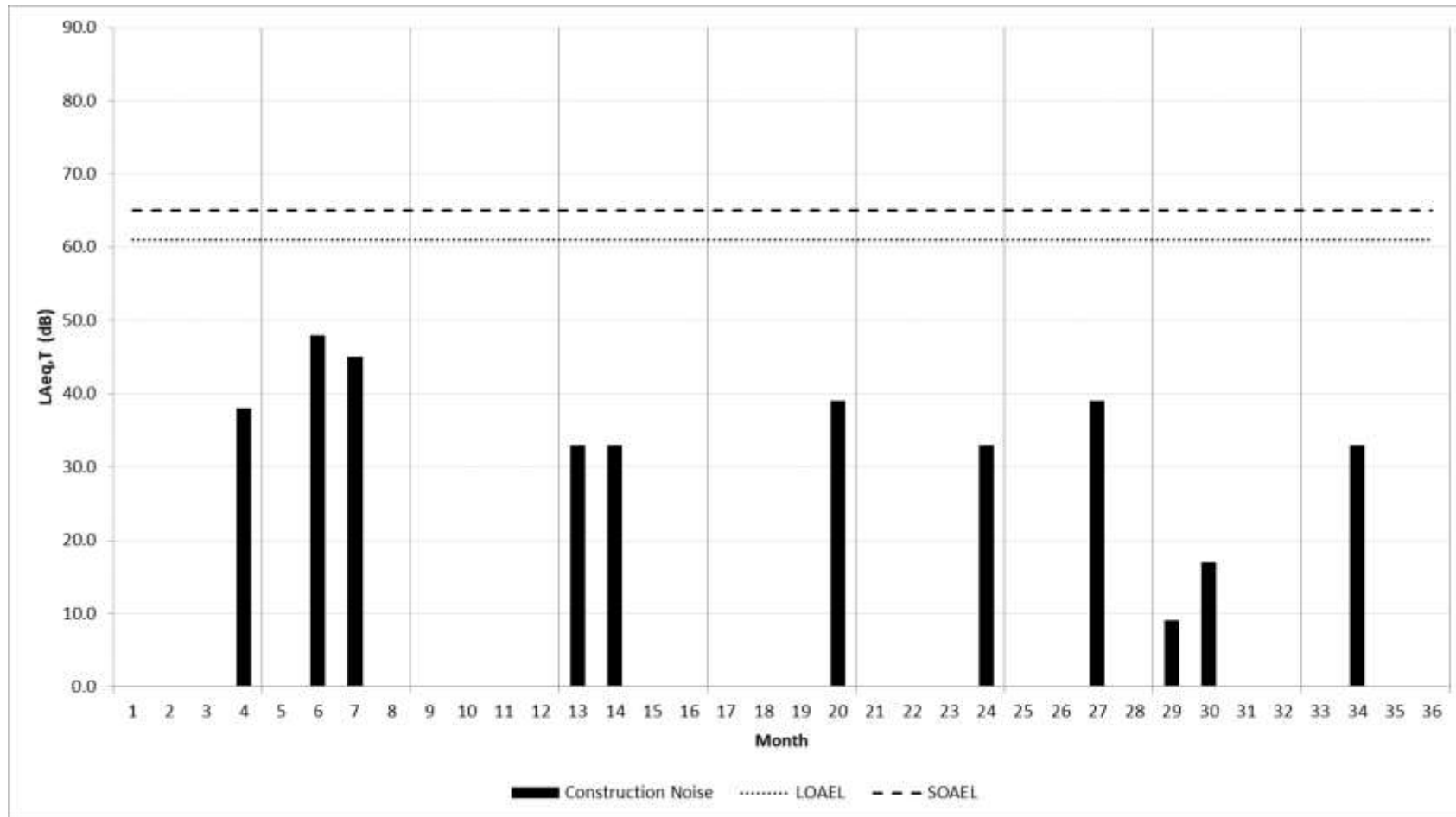
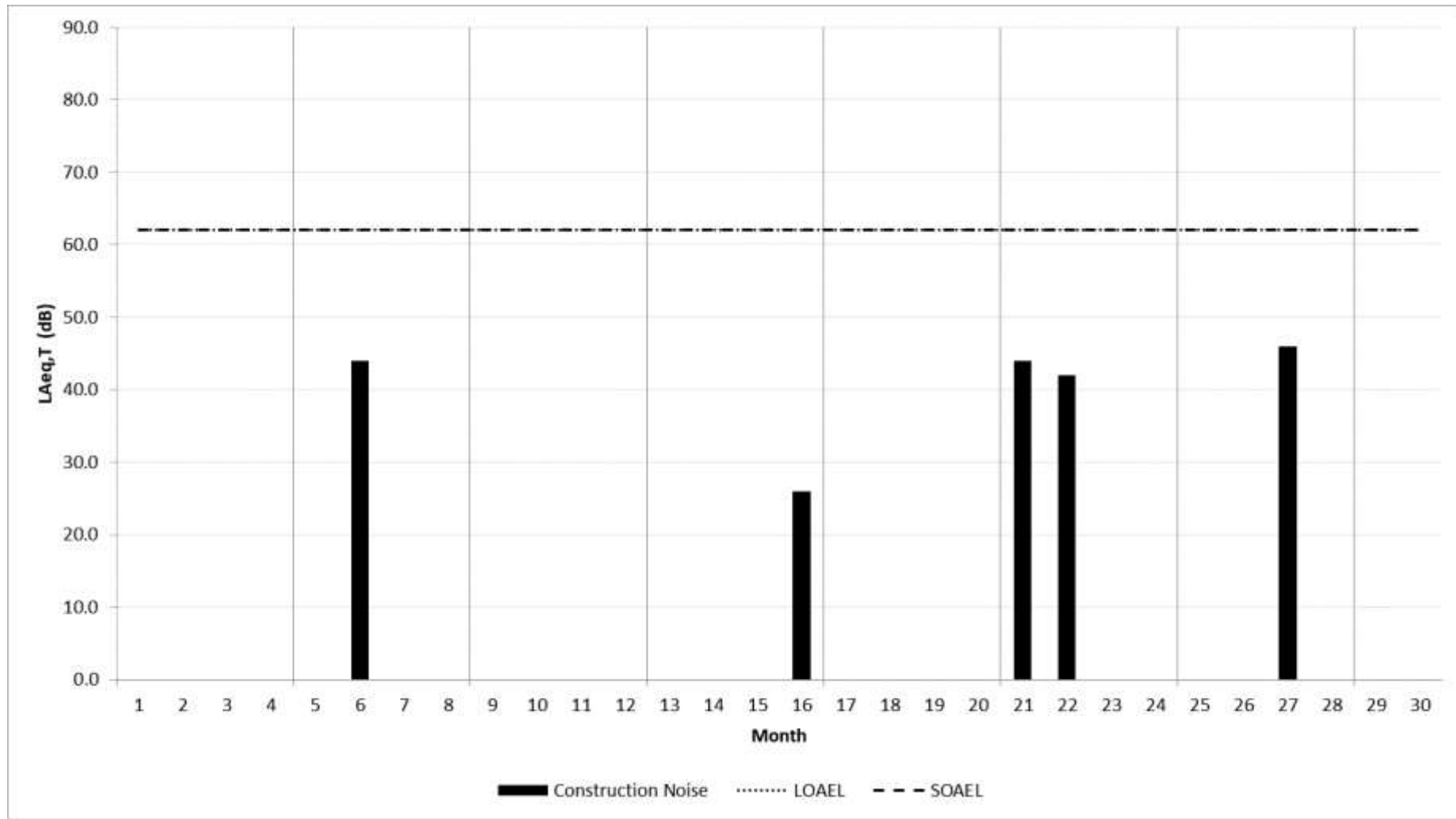


Figure A.11.3.2: R01 - Moseley Old Hall Lane, Featherstone – Evening/Weekend, Ground Floor



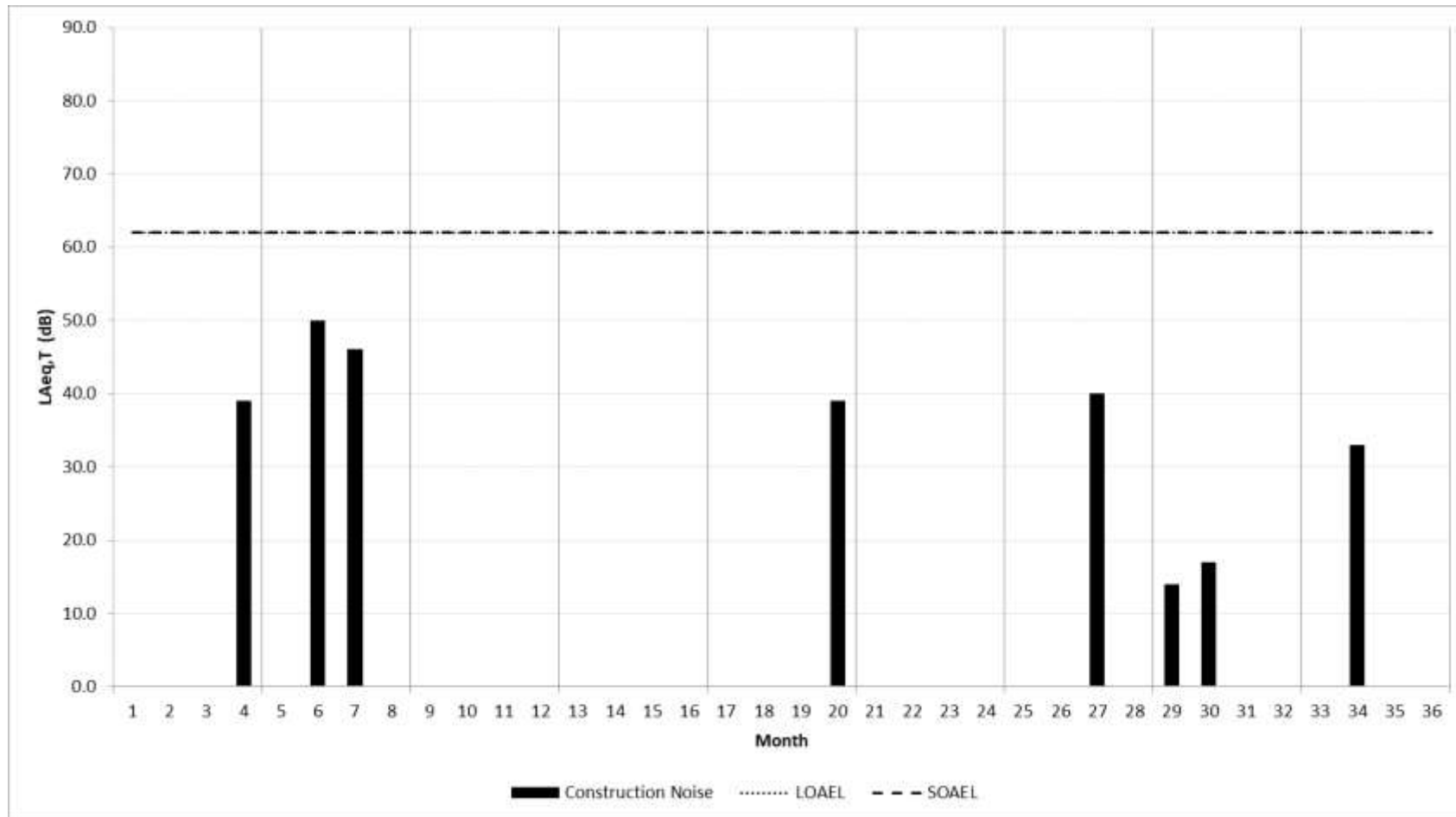
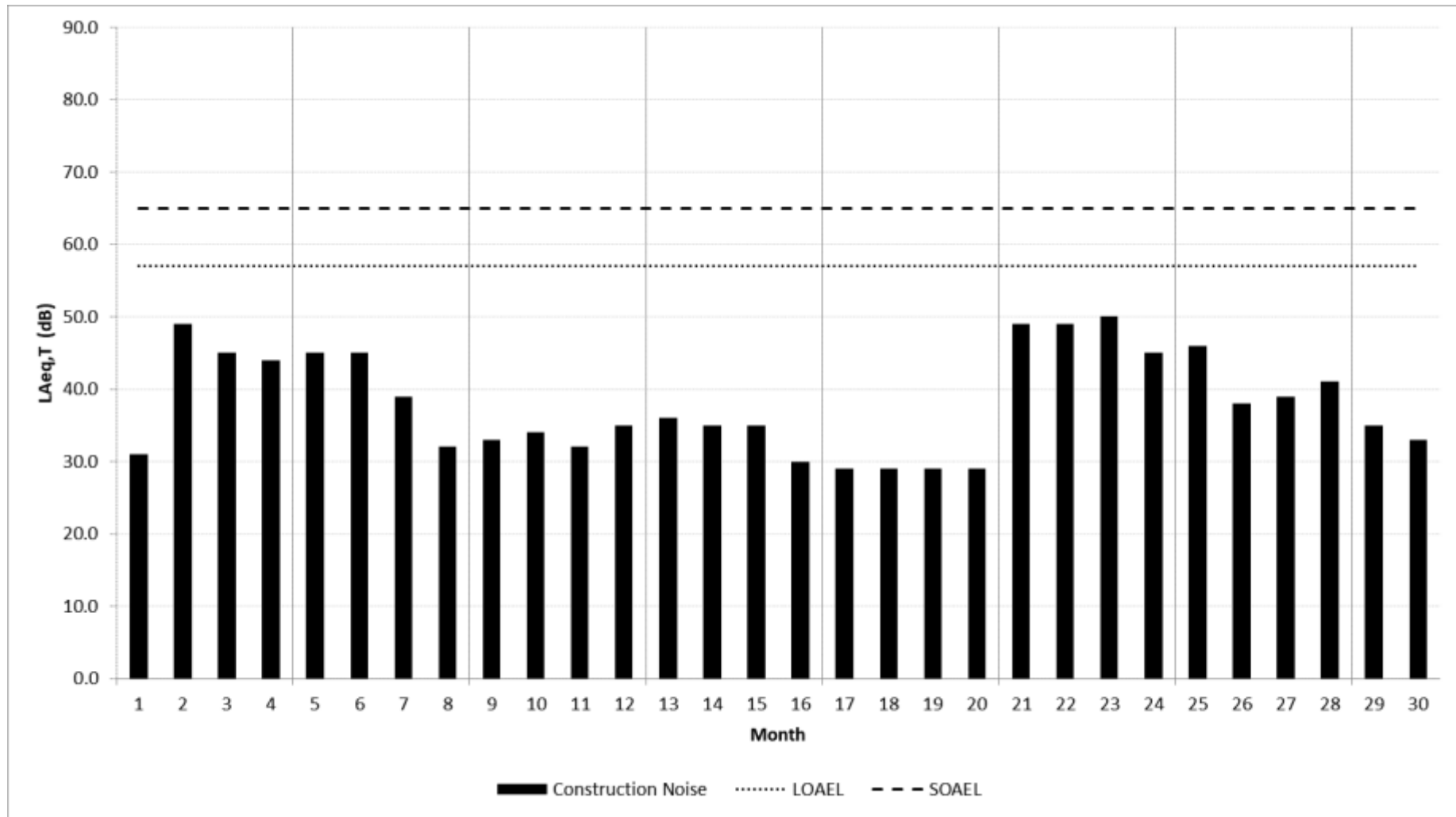


Figure A.11.3.3: R01 - Moseley Old Hall Lane, Featherstone – Night, First Floor



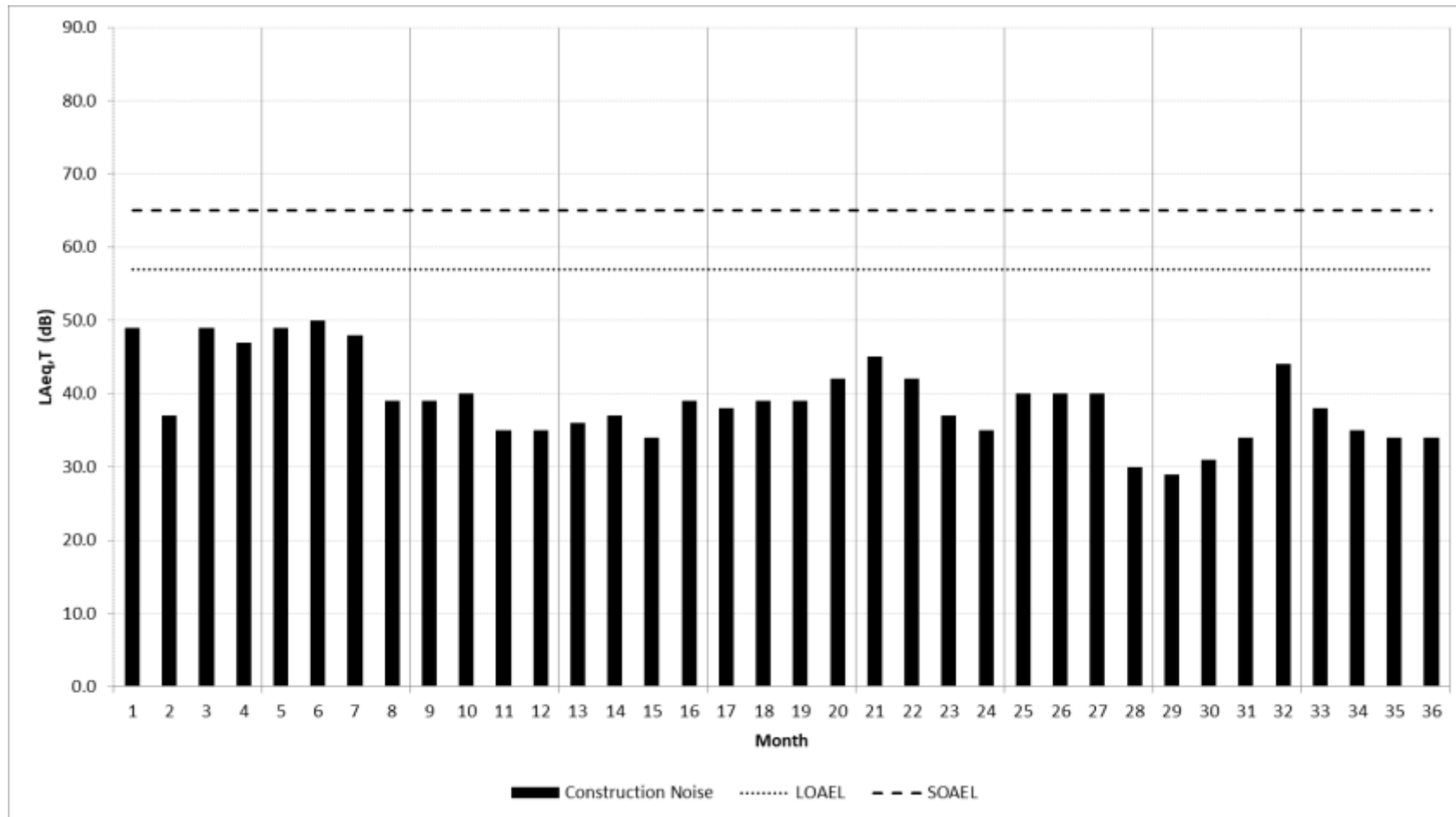
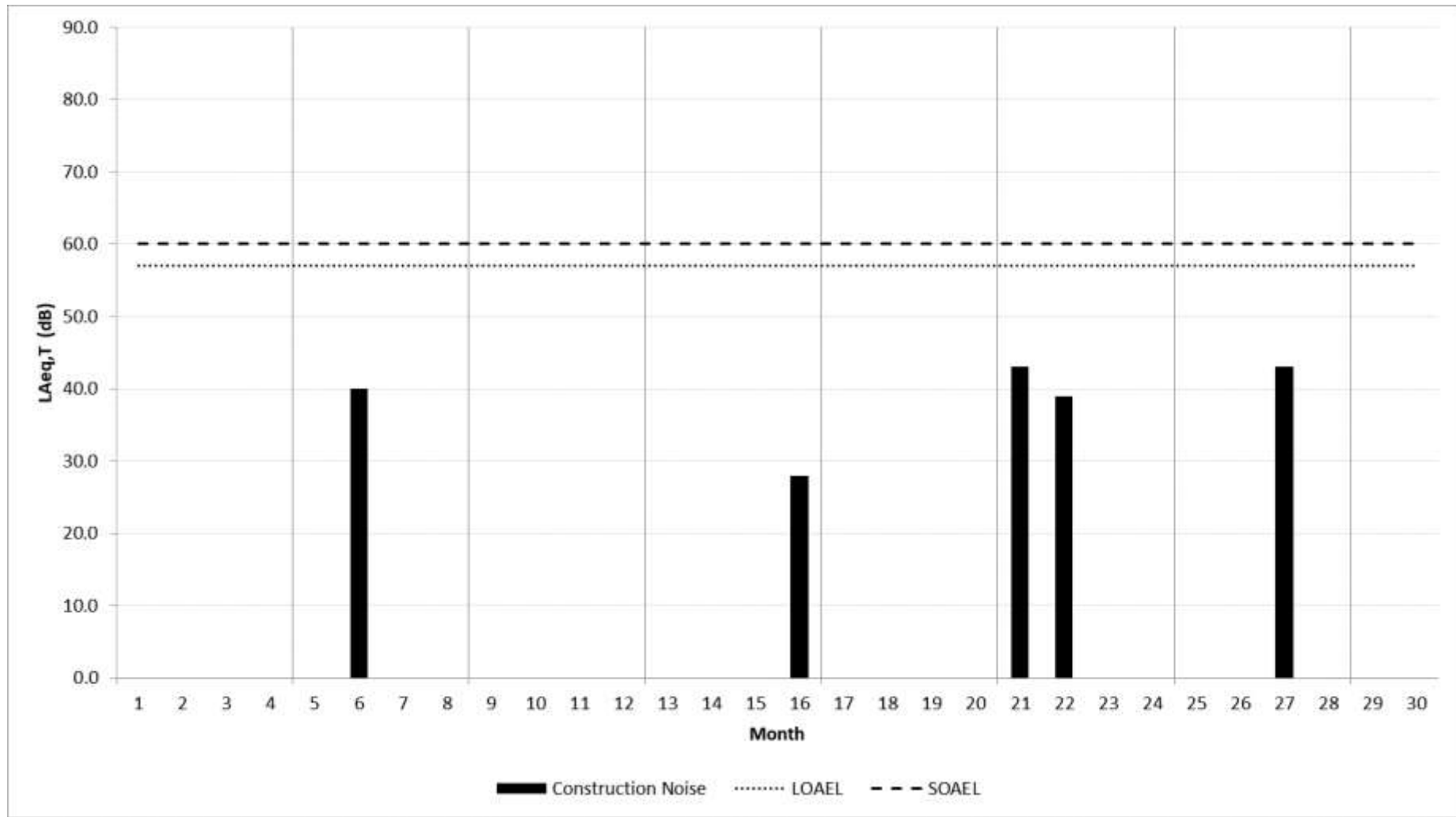


Figure A.11.3.4: R02 - Penderell Close, Featherstone – Day, Ground Floor



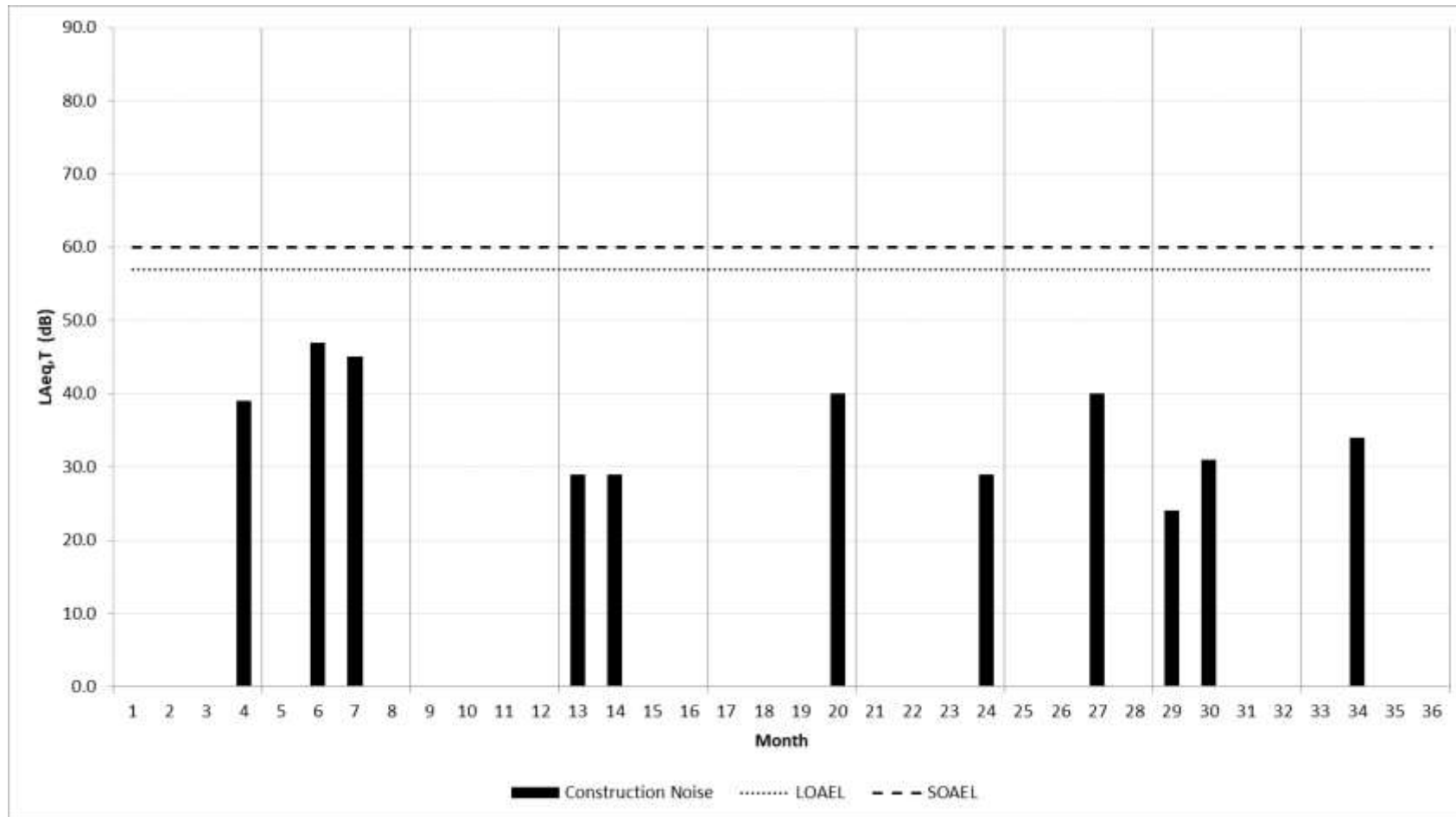
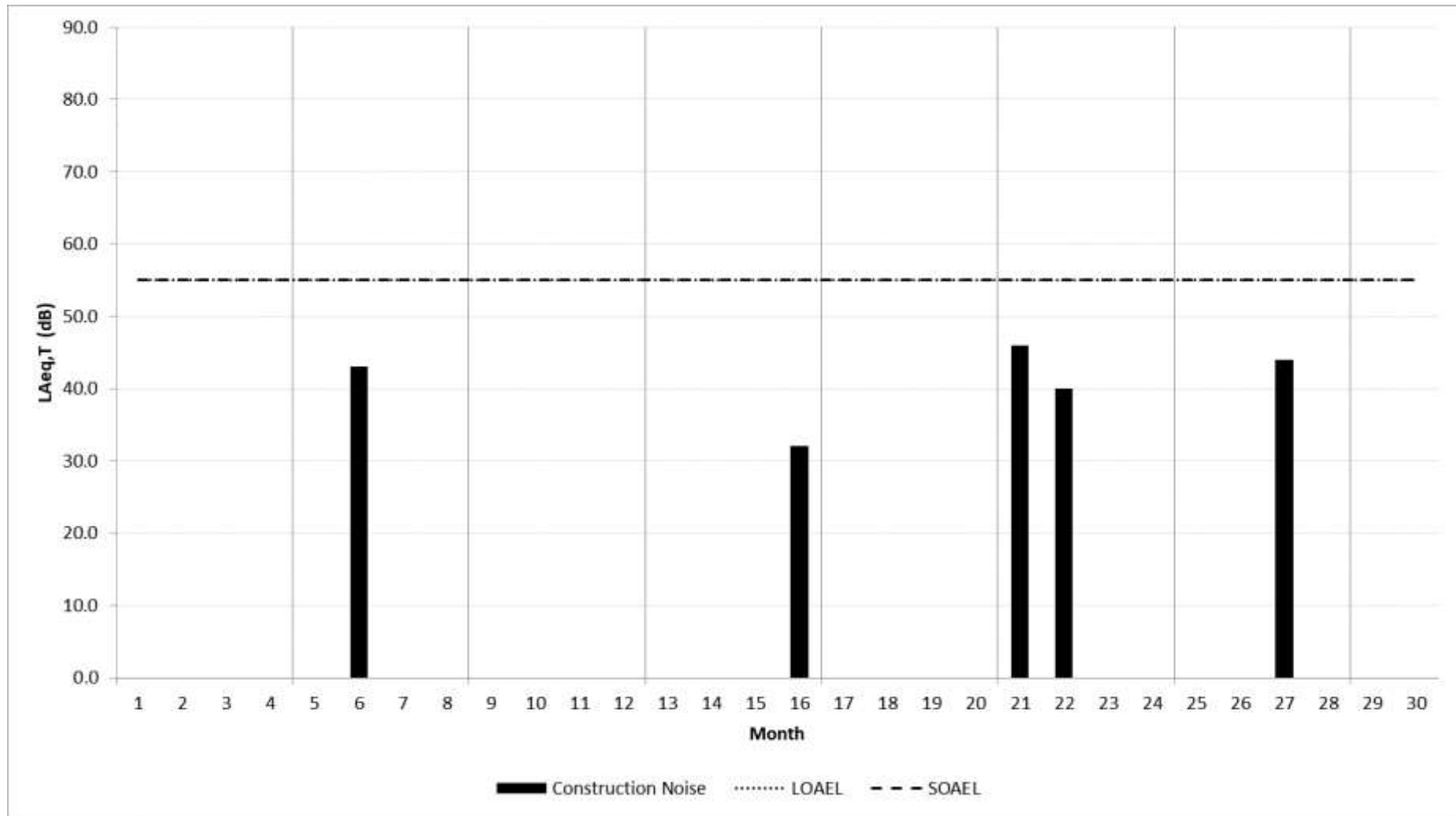


Figure A.11.3.5: R02 - Penderell Close, Featherstone – Evening/Weekend, Ground Floor



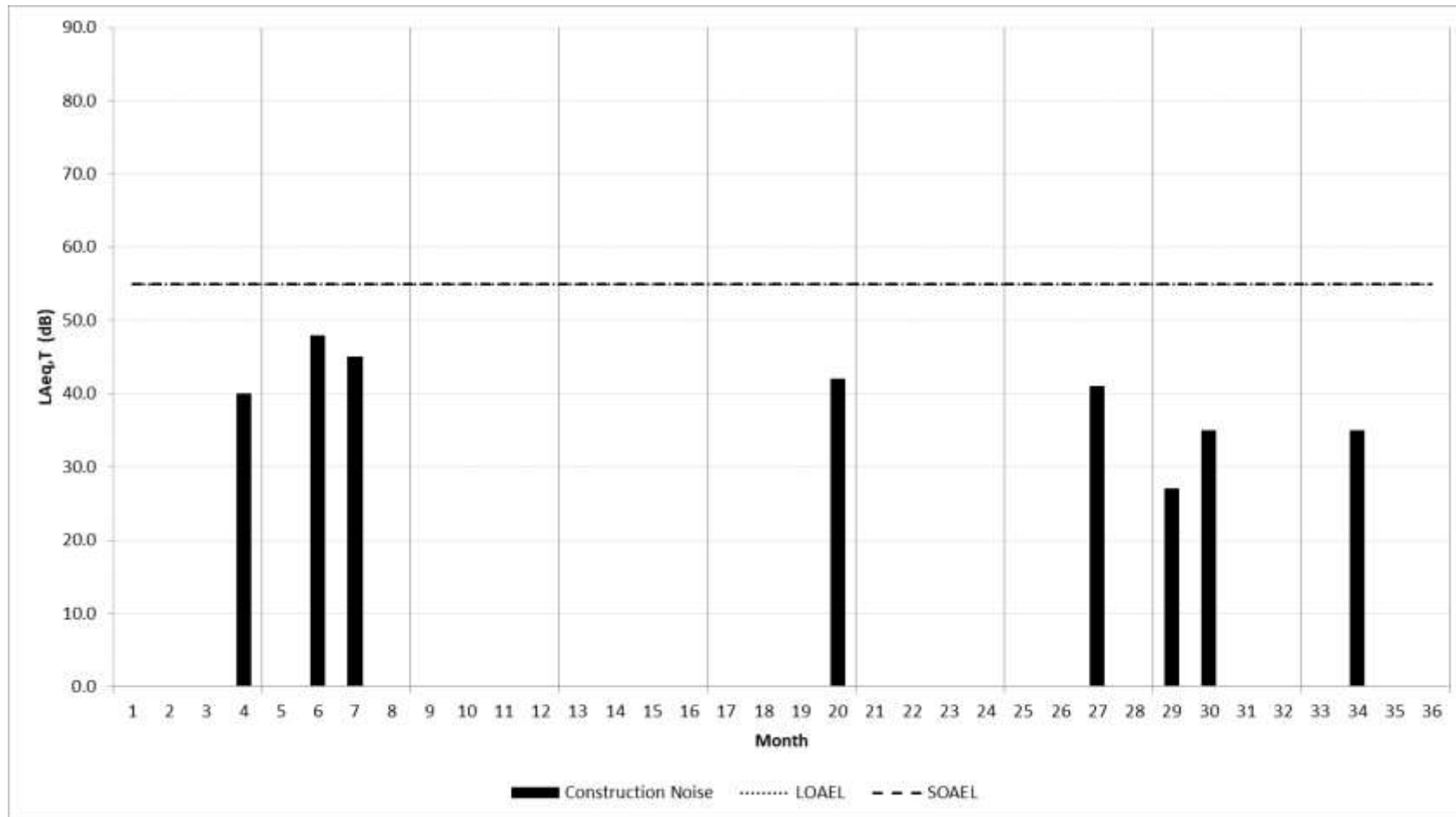
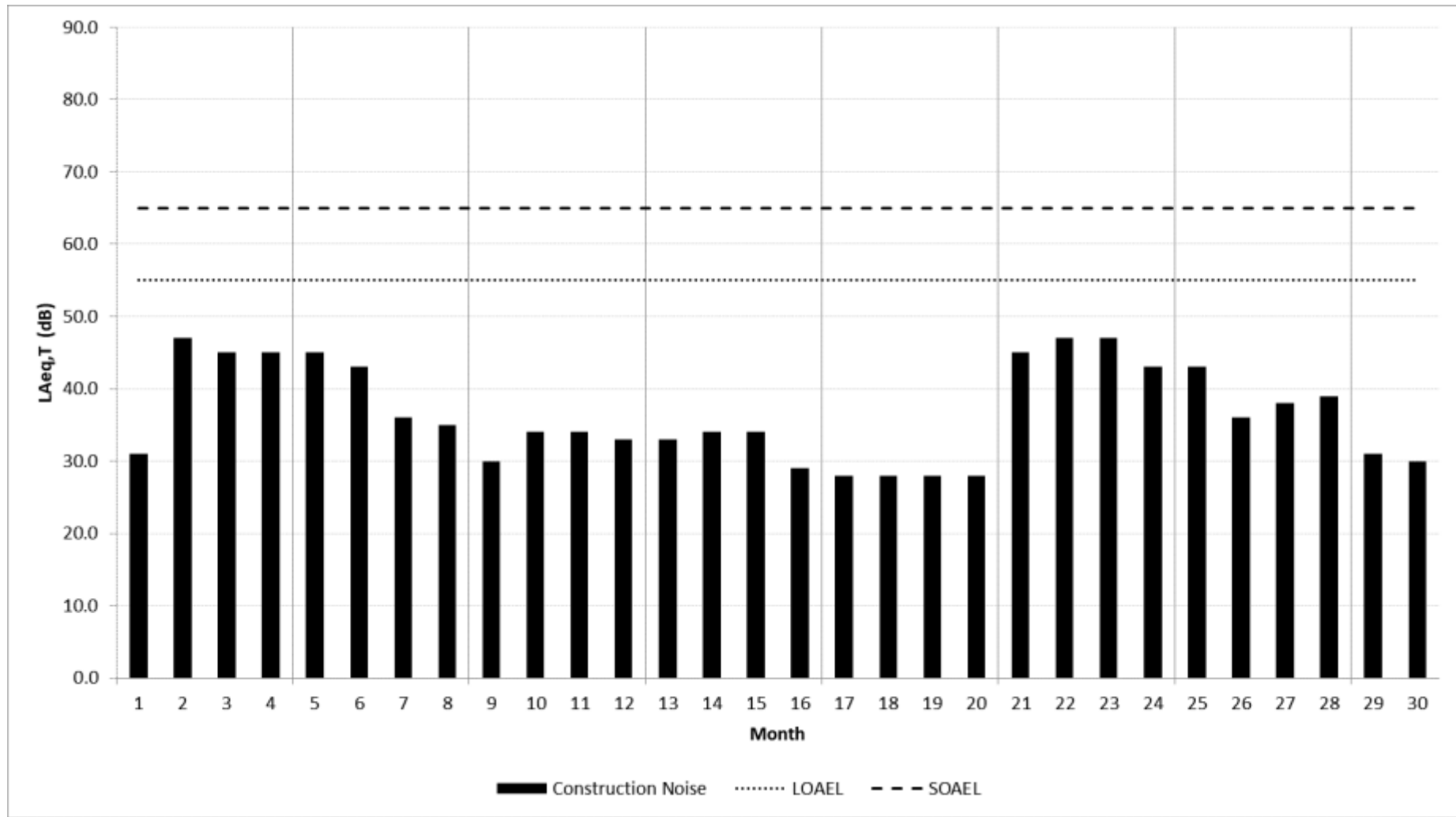


Figure A.11.3.6: R02 - Penderell Close, Featherstone – Night, First Floor



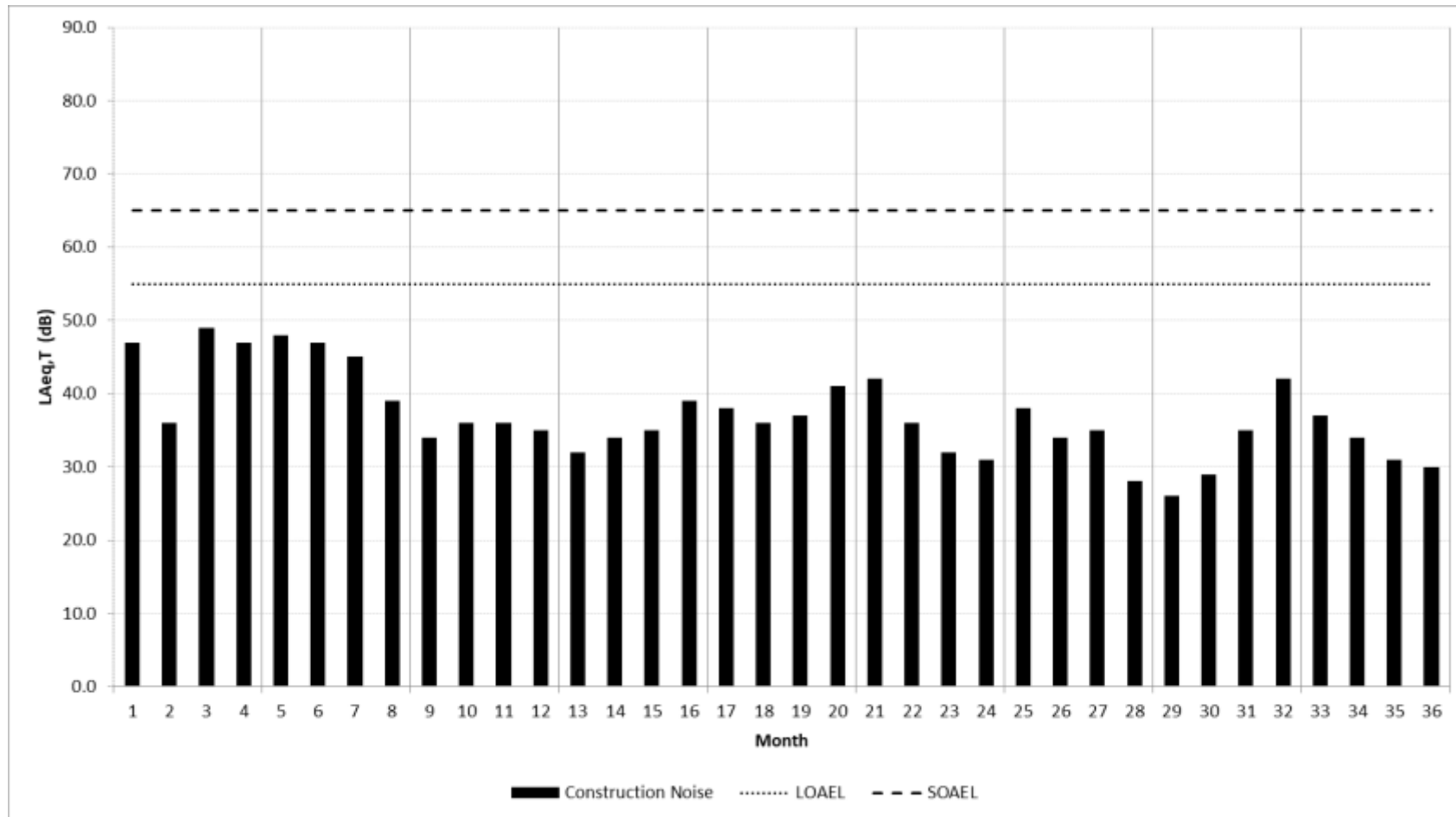
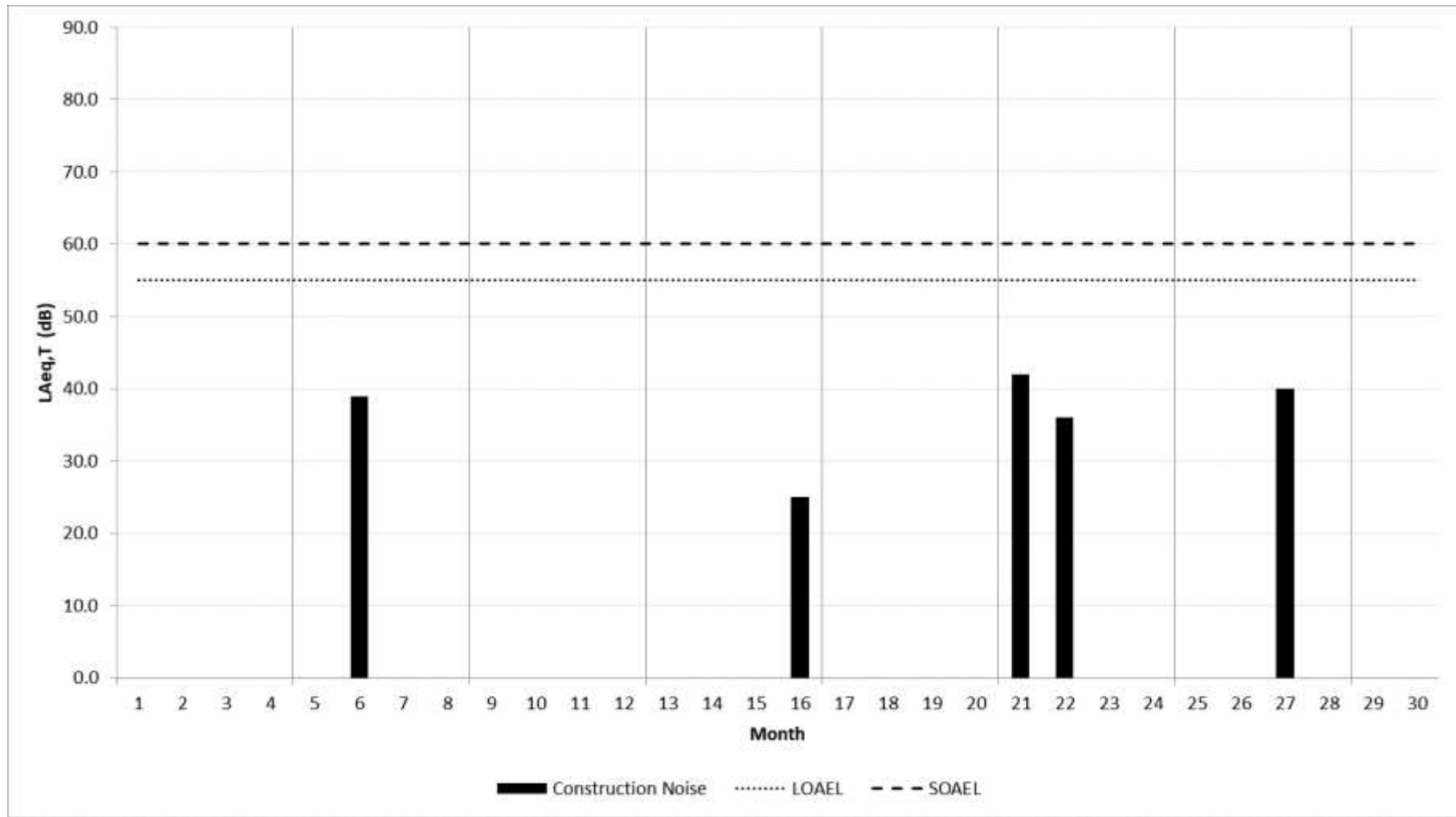


Figure A.11.3.7: R03 - Jackson Close, Featherstone – Day, Ground Floor



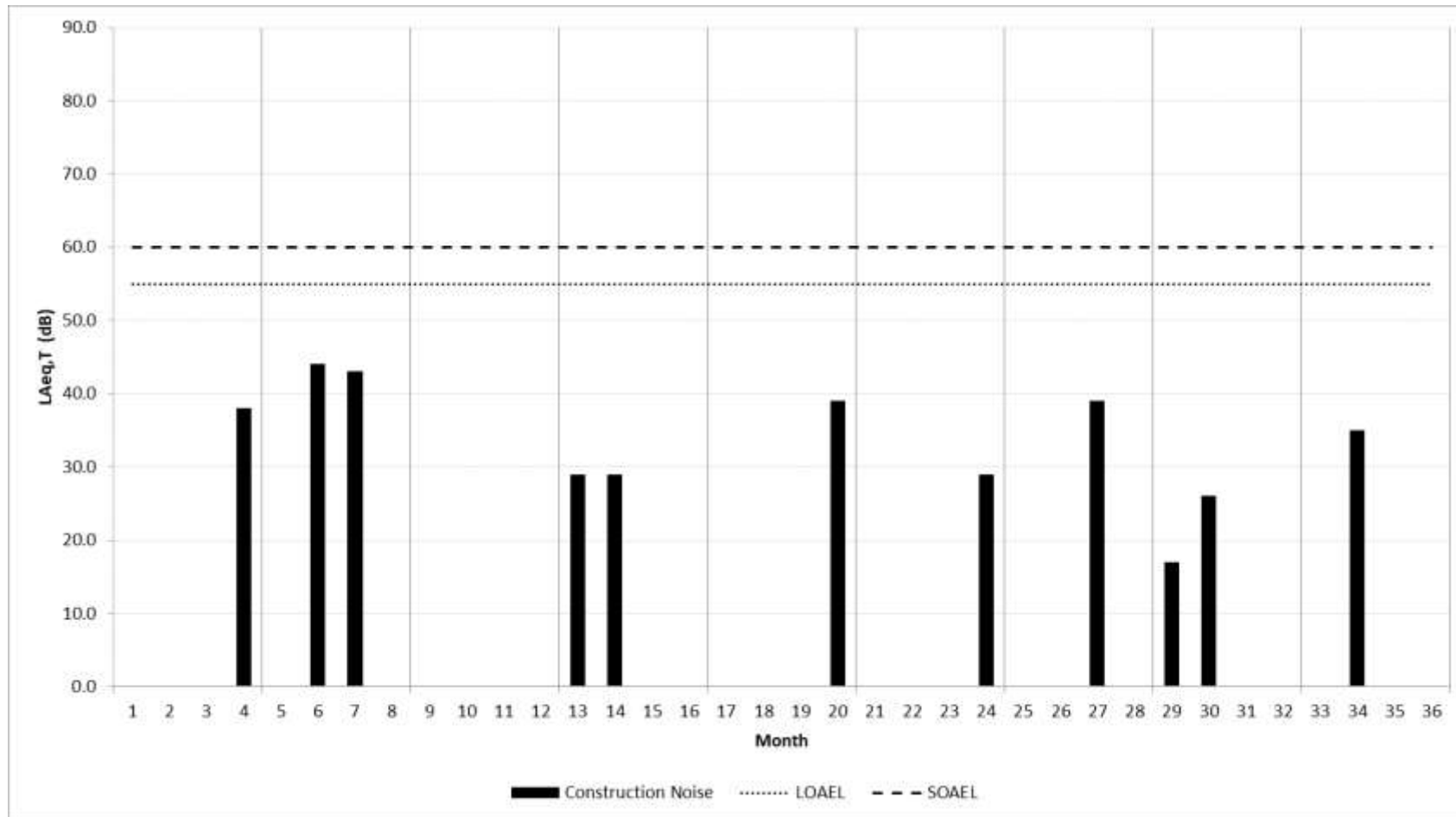
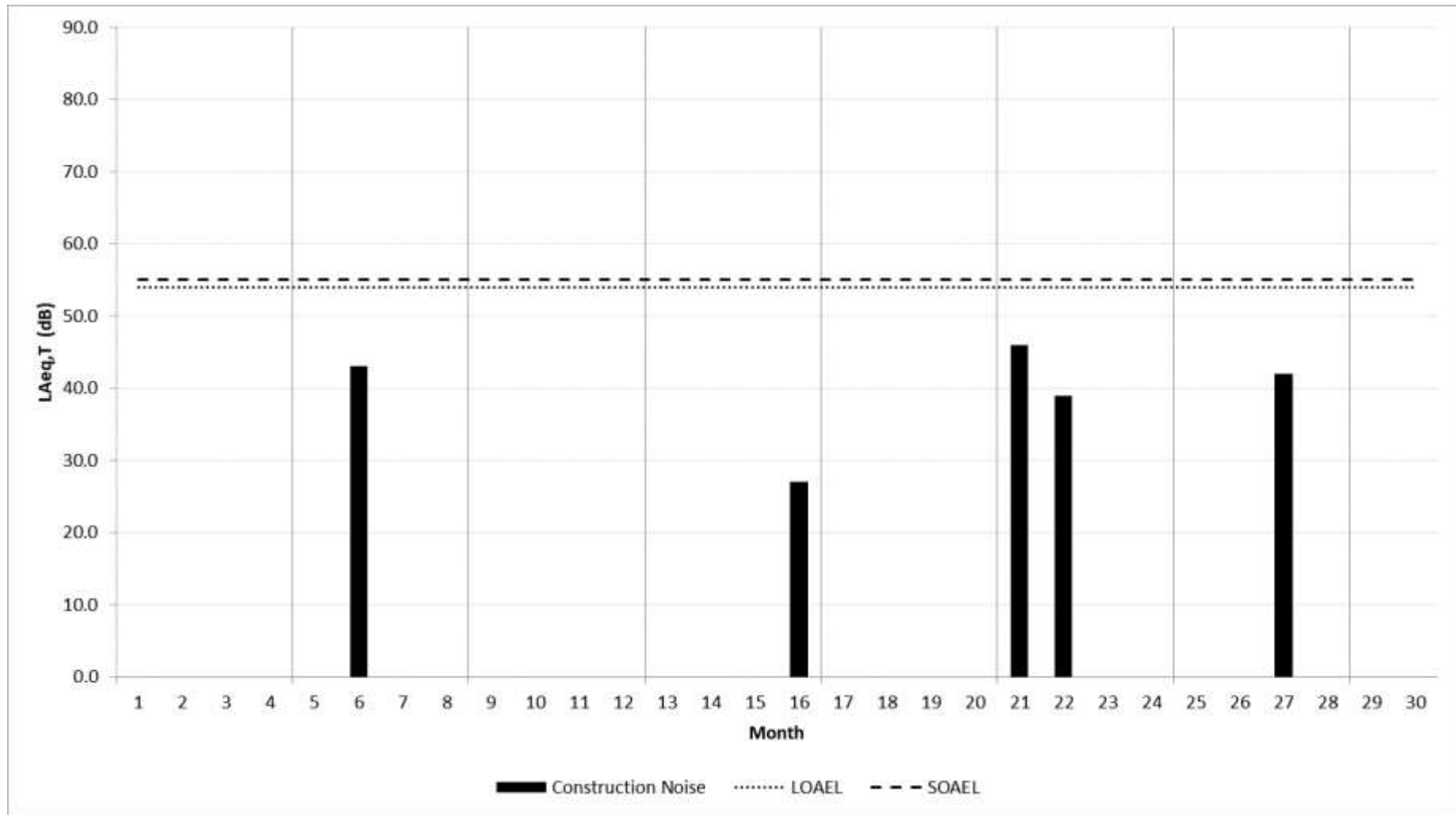


Figure A.11.3.8: R03 - Jackson Close, Featherstone – Evening/Weekend, Ground Floor



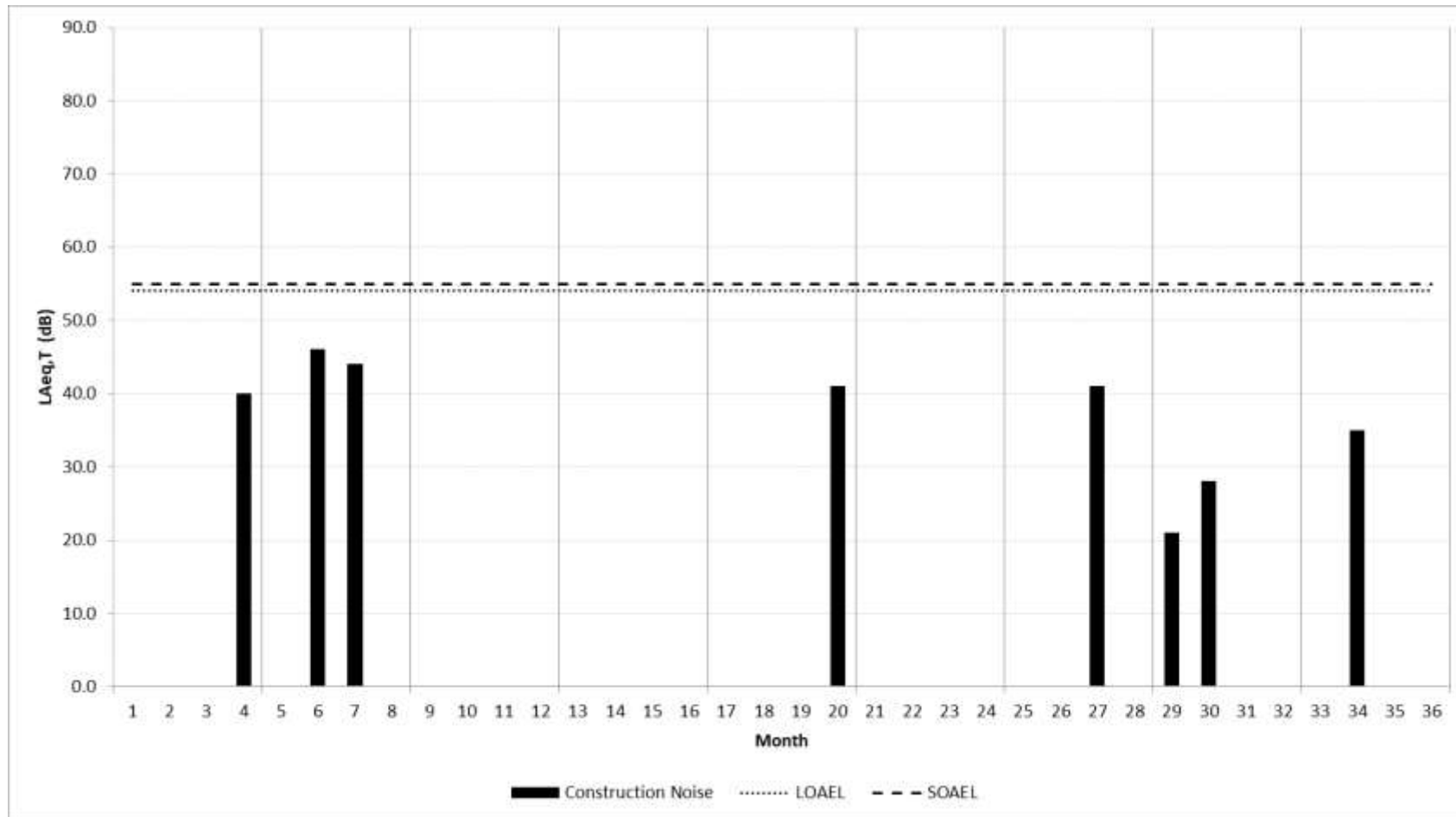
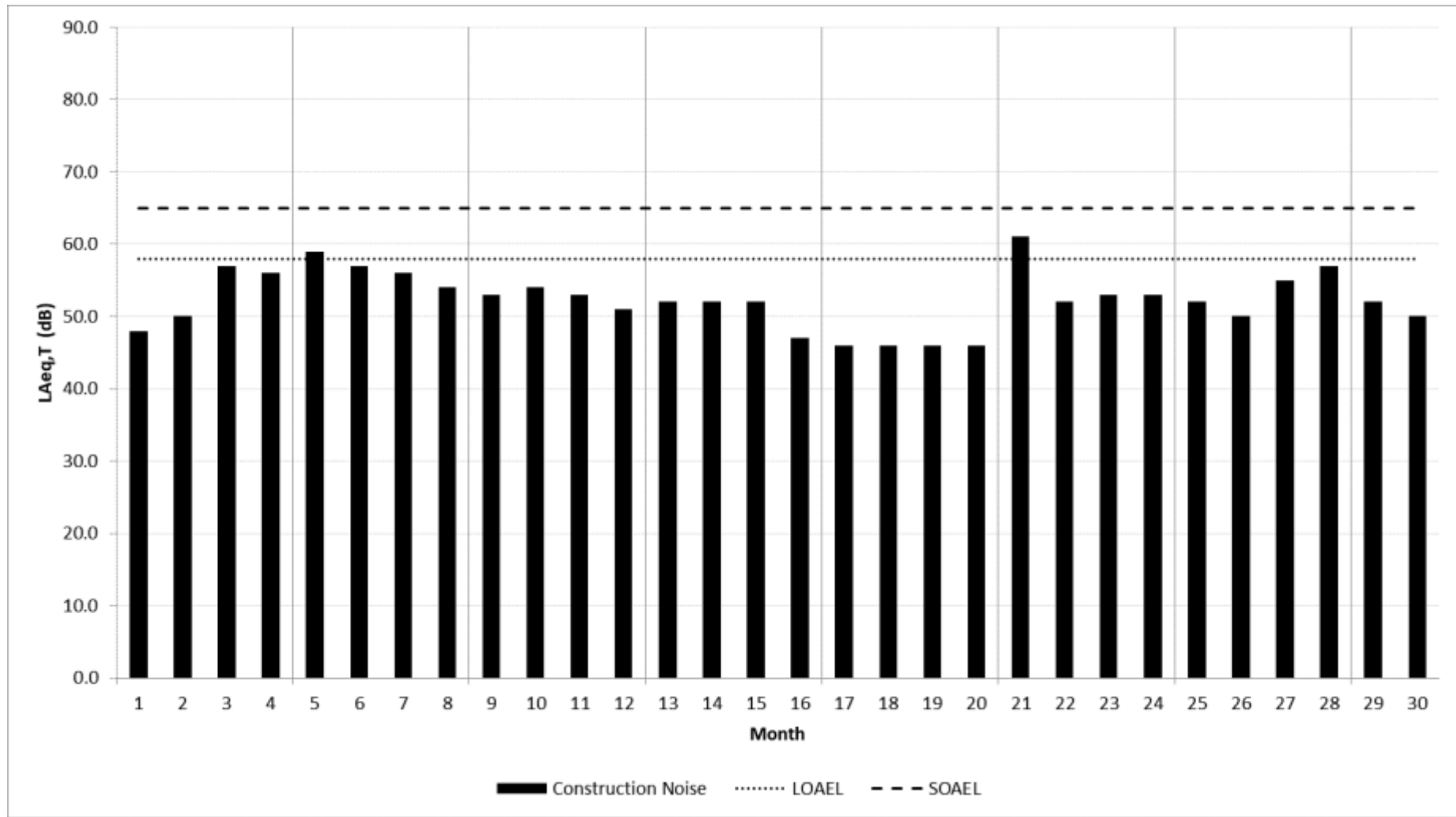


Figure A.11.3.9: R03 - Jackson Close, Featherstone – Night, First Floor



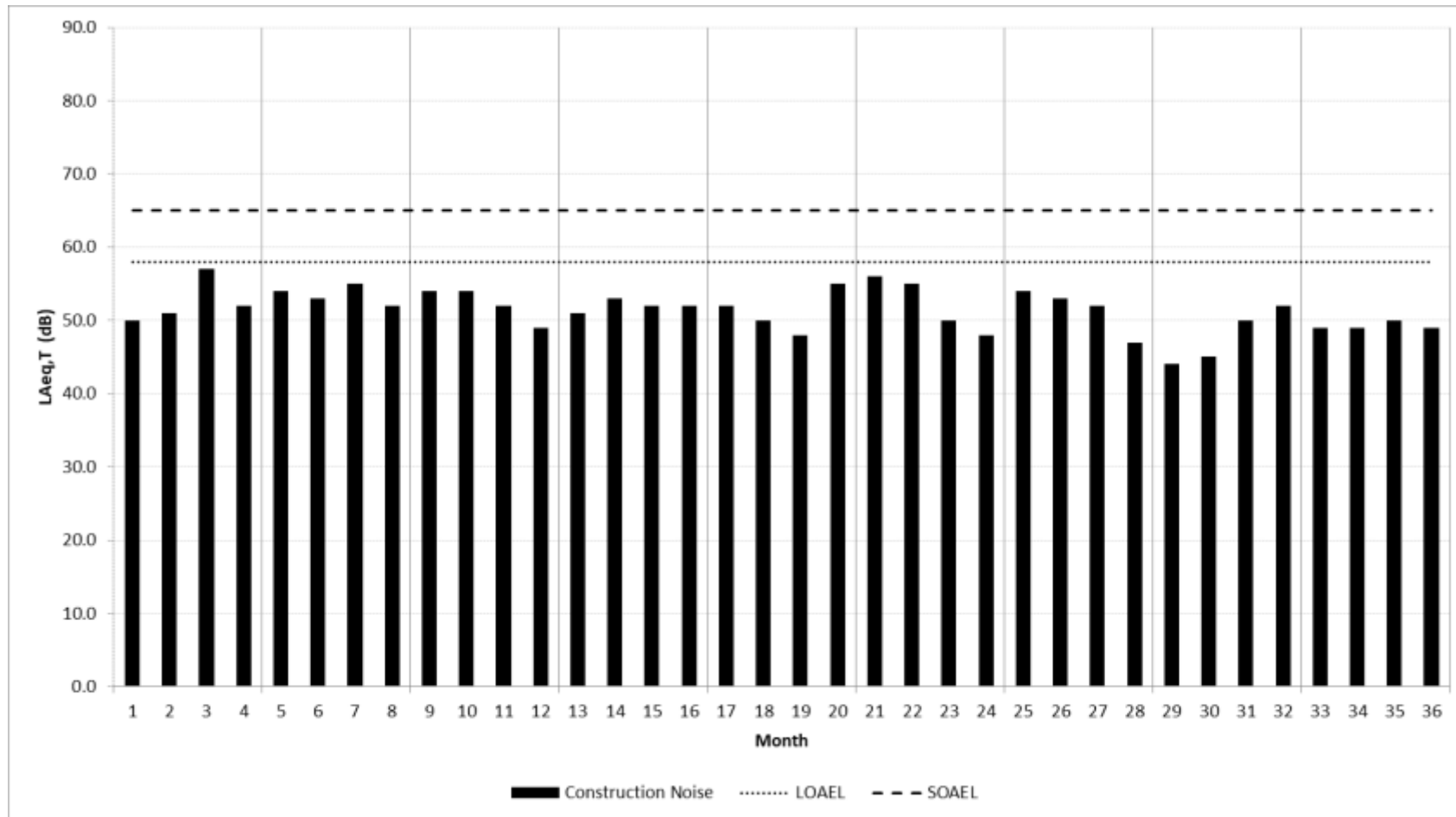
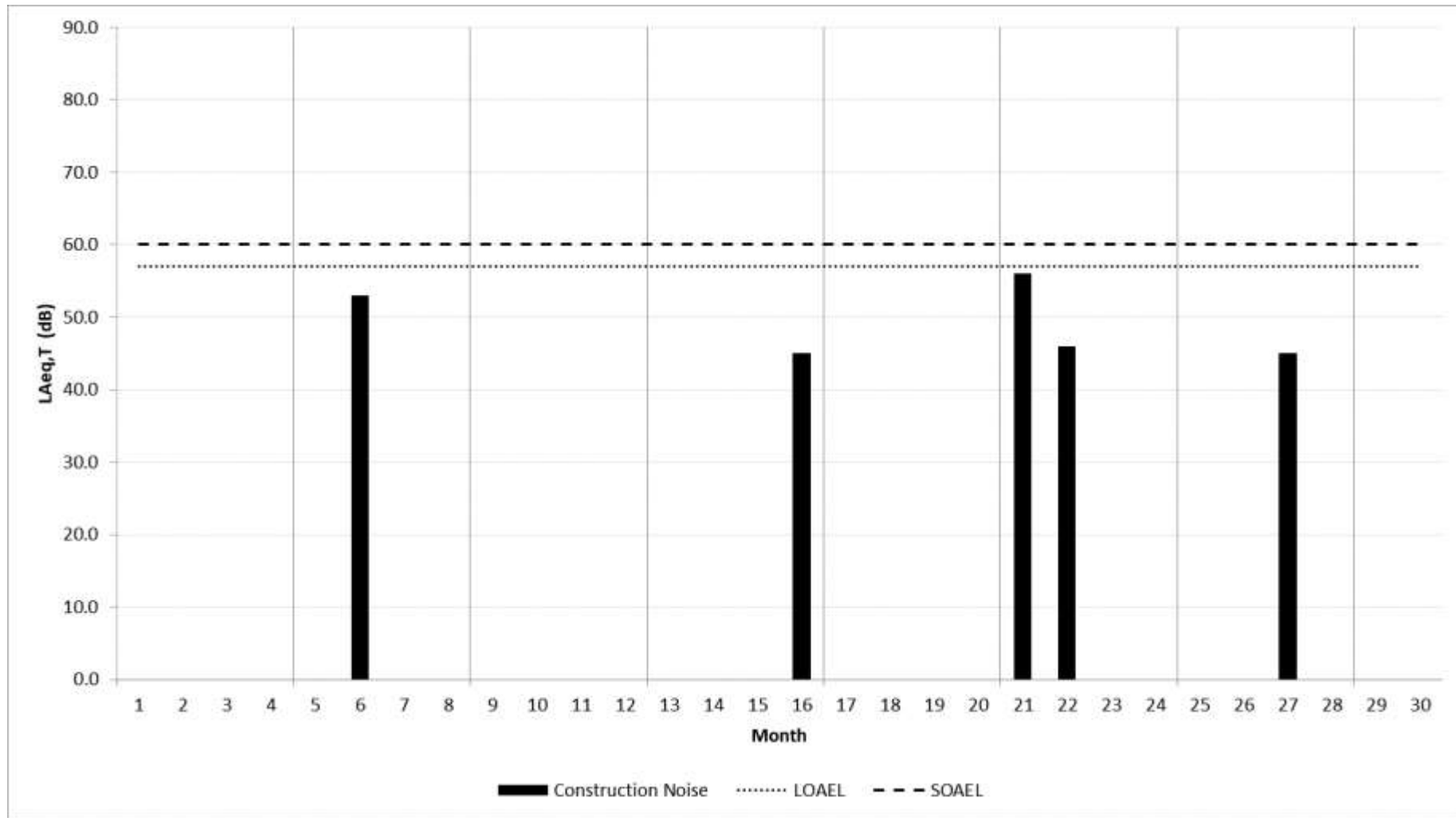


Figure A.11.3.10: R04 - South View Close, Featherstone (South) – Day, Ground Floor



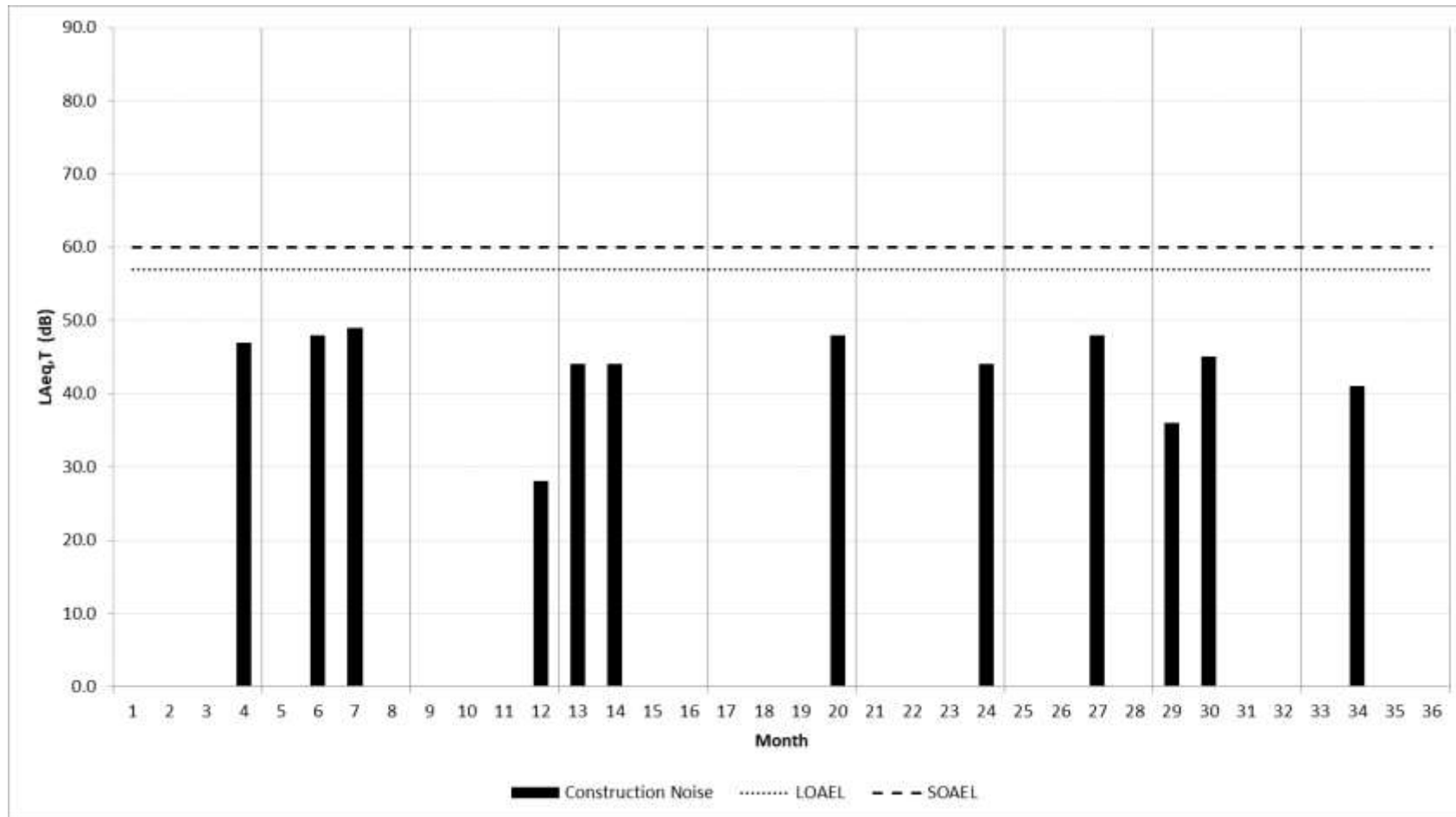
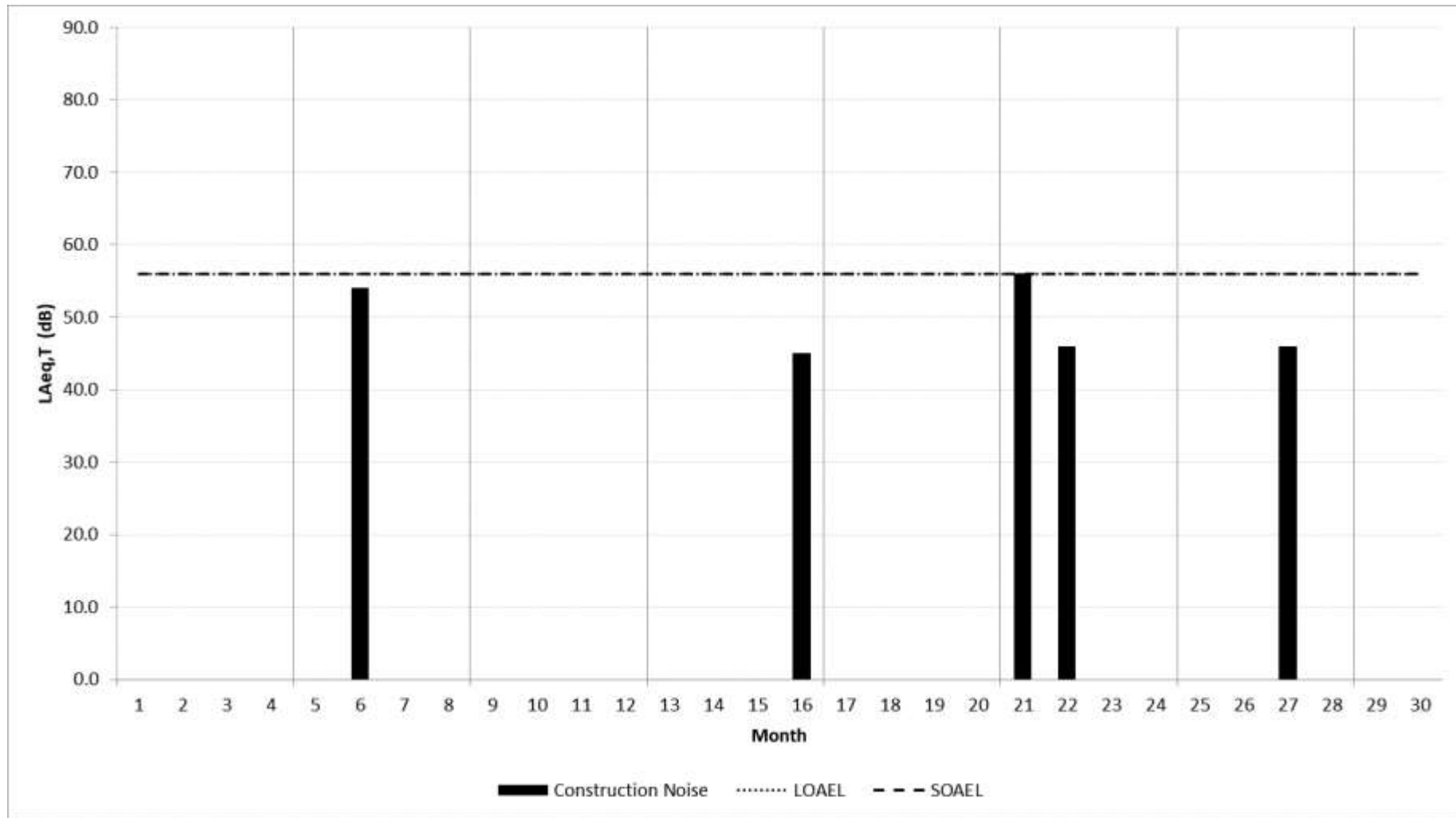


Figure A.11.3.11: R04 - South View Close, Featherstone (South) – Evening/Weekend, Ground Floor



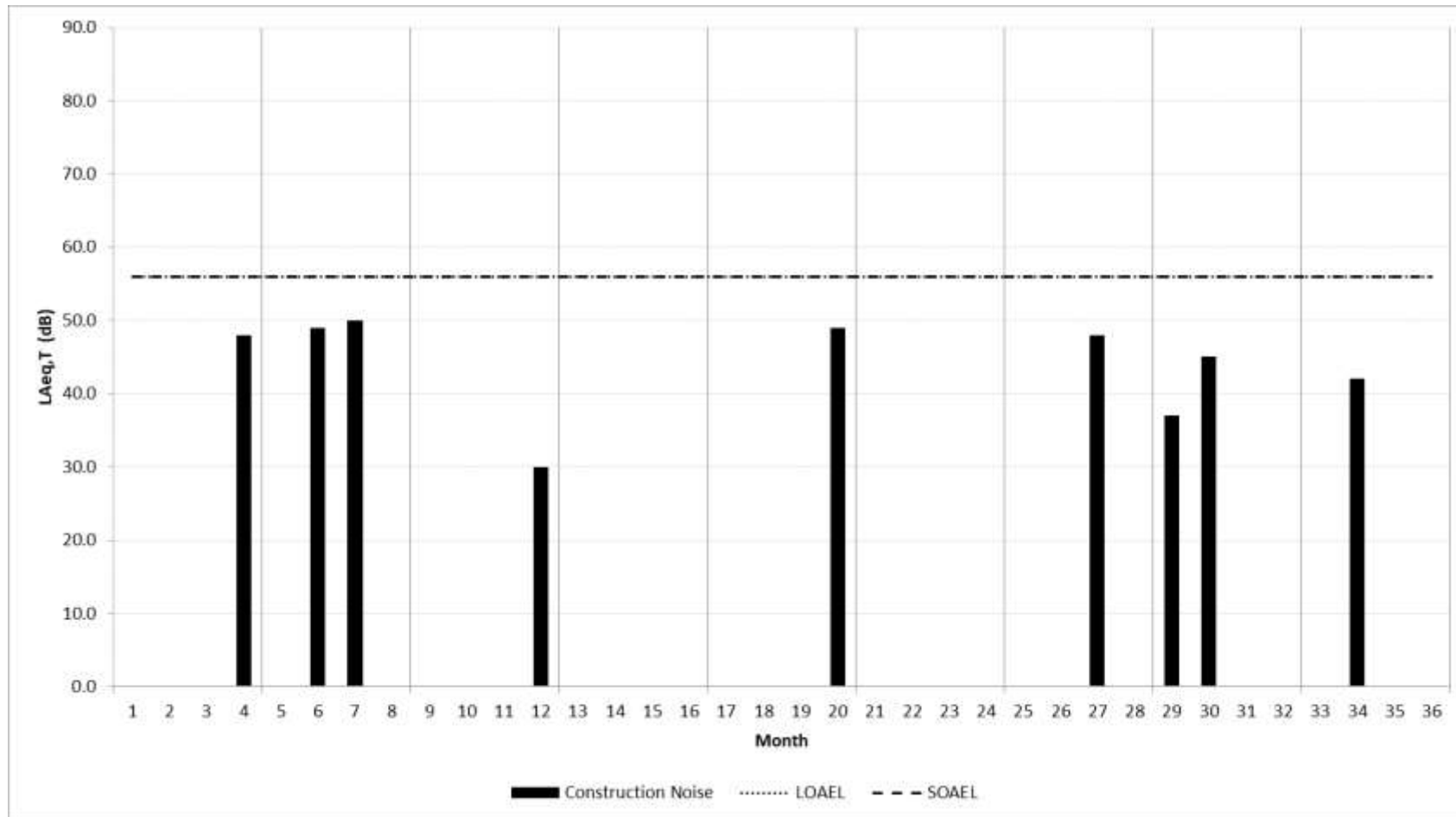
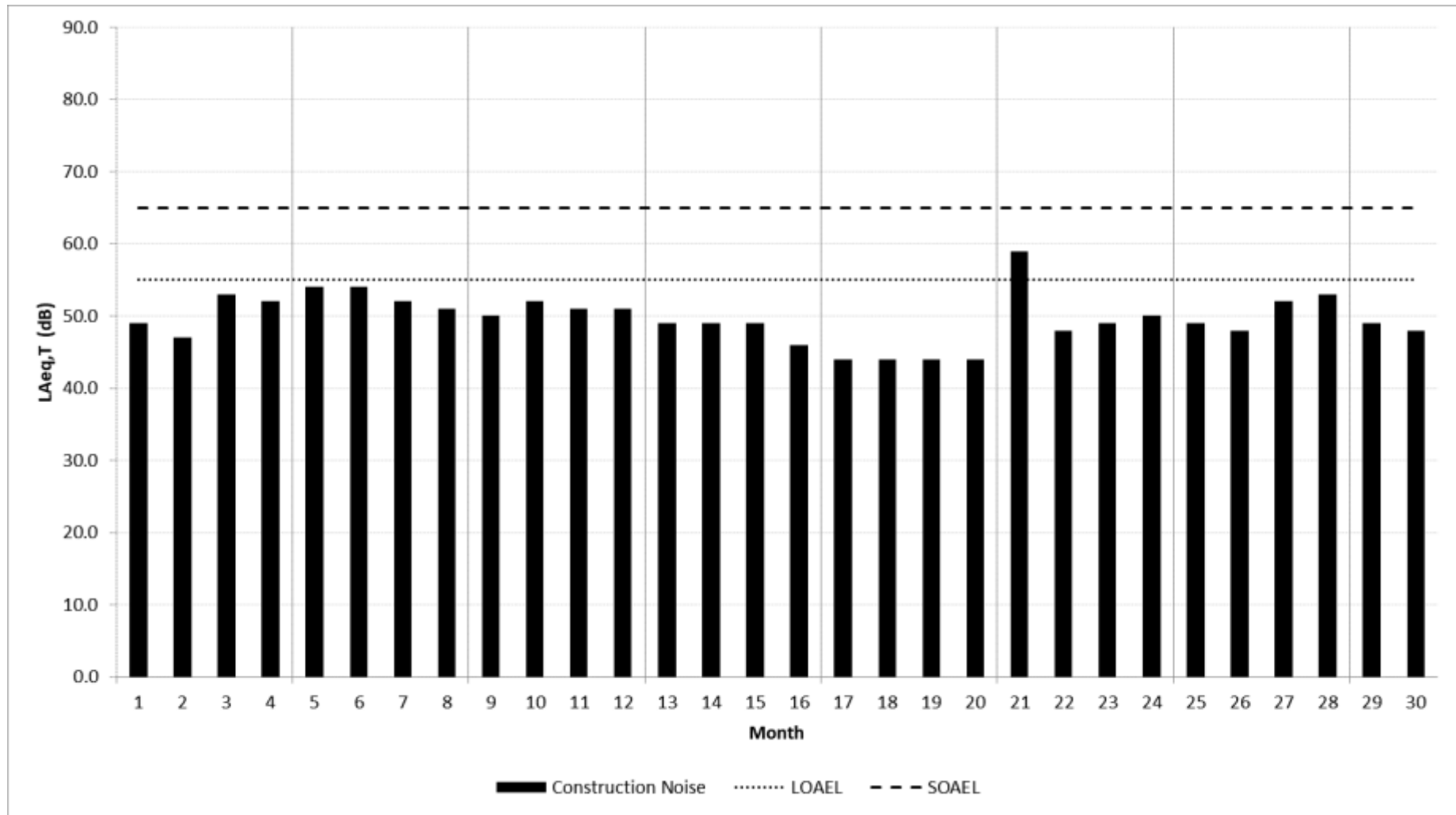


Figure A.11.3.12: R04 - South View Close, Featherstone (South) – Night, First Floor



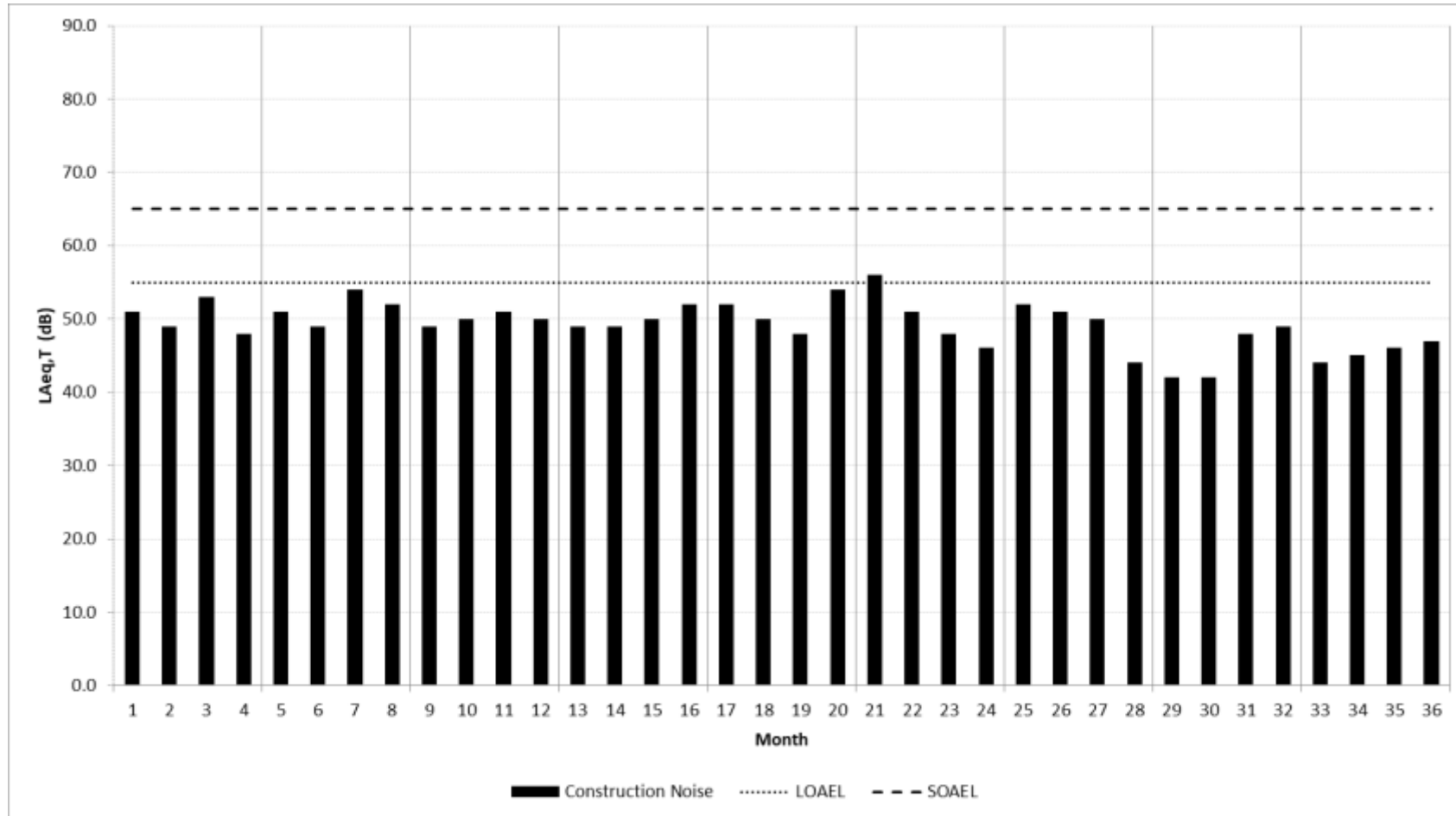
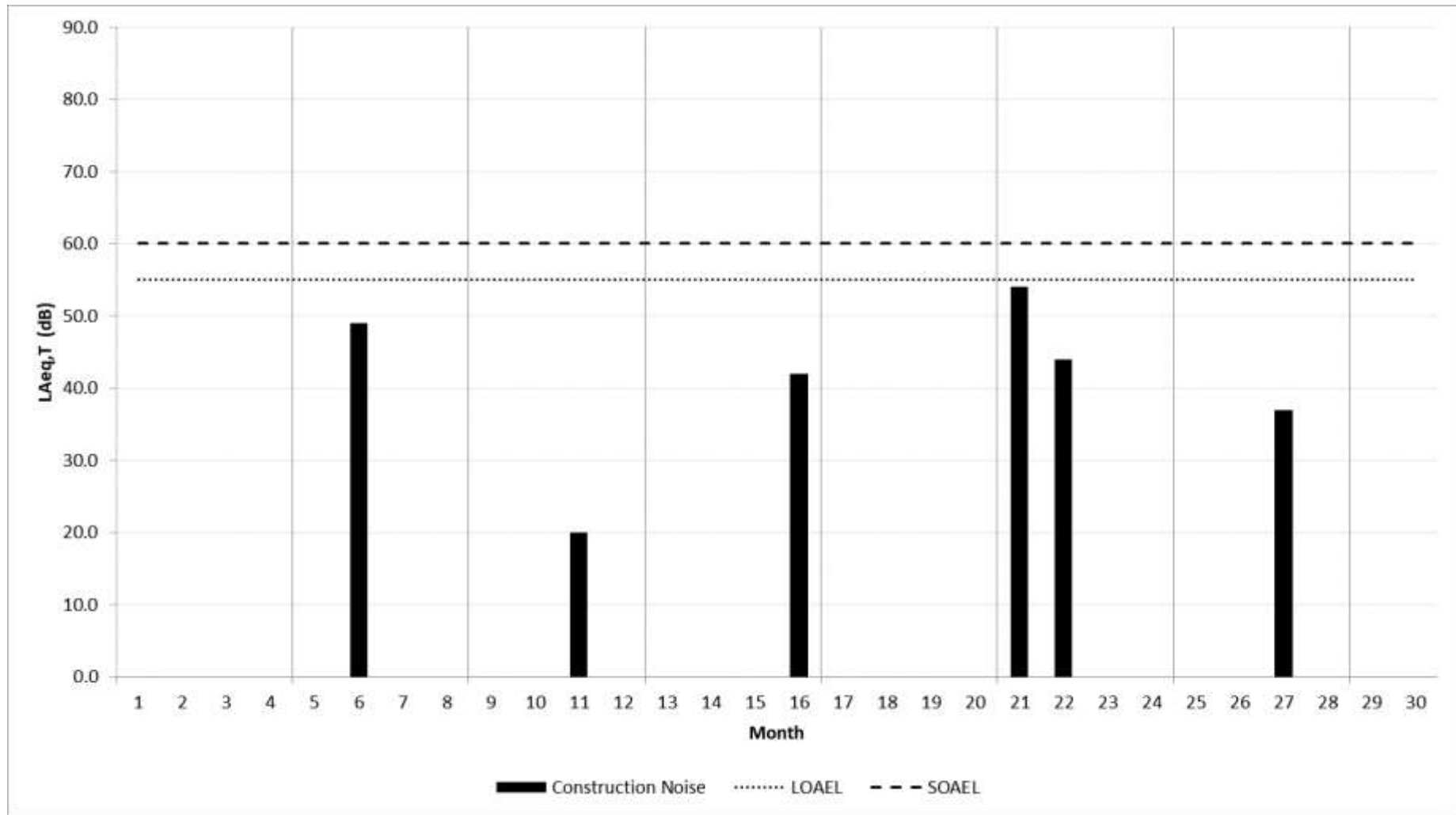


Figure A.11.3.13: R05 - South View Close, Featherstone (North) – Day, Ground Floor



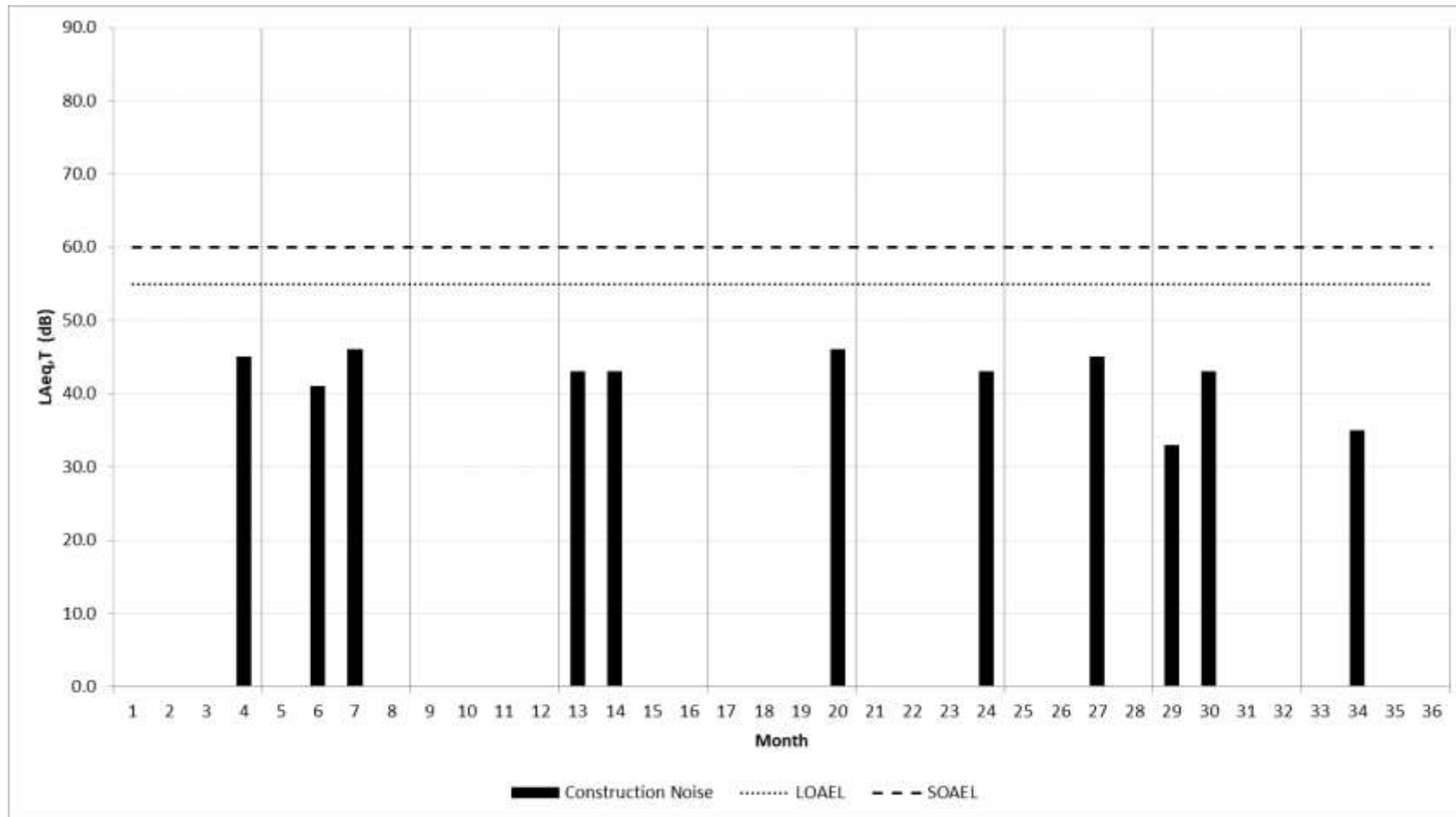
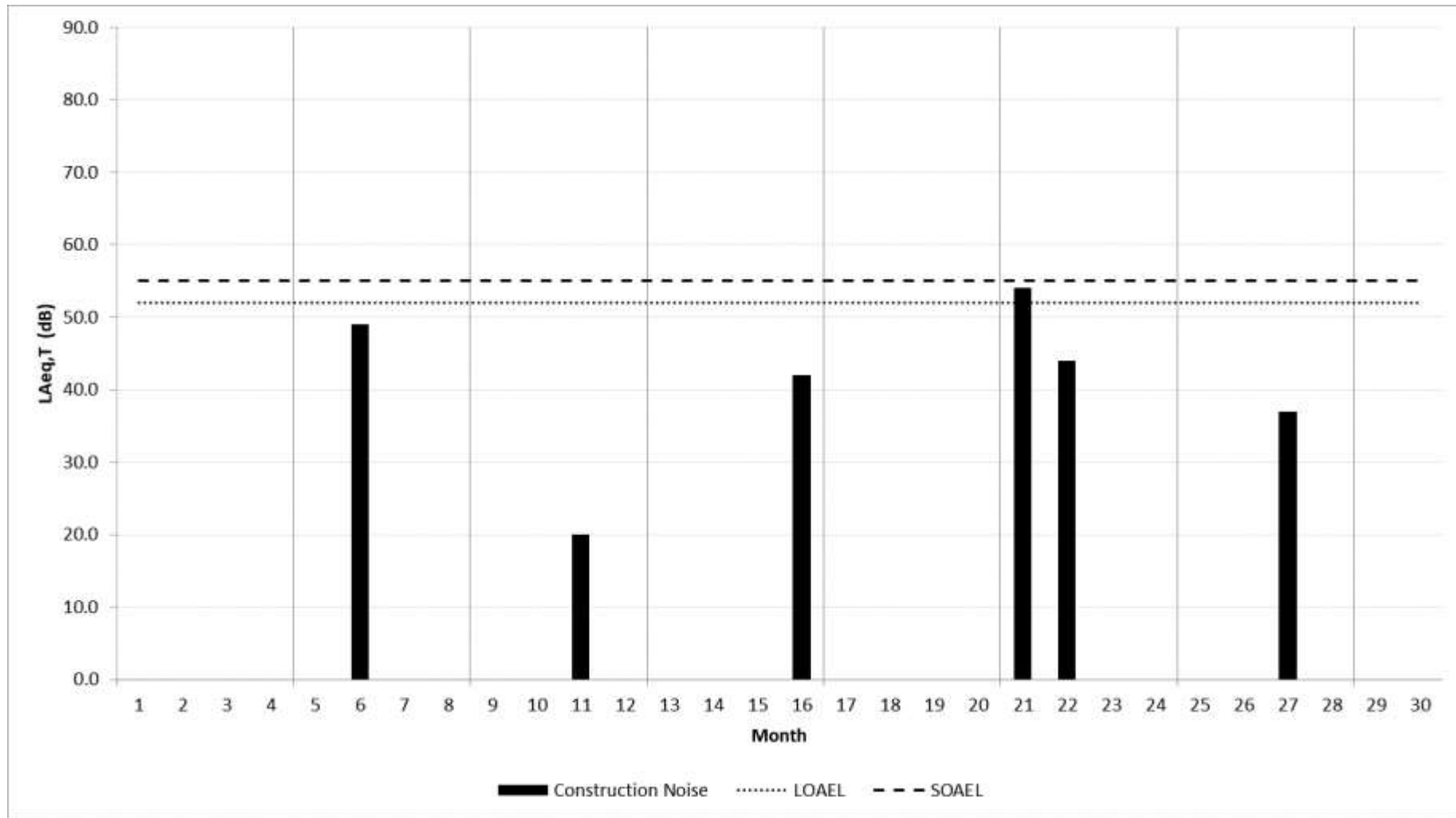


Figure A.11.3.14: R05 - South View Close, Featherstone (North) – Evening/Weekend, Ground Floor



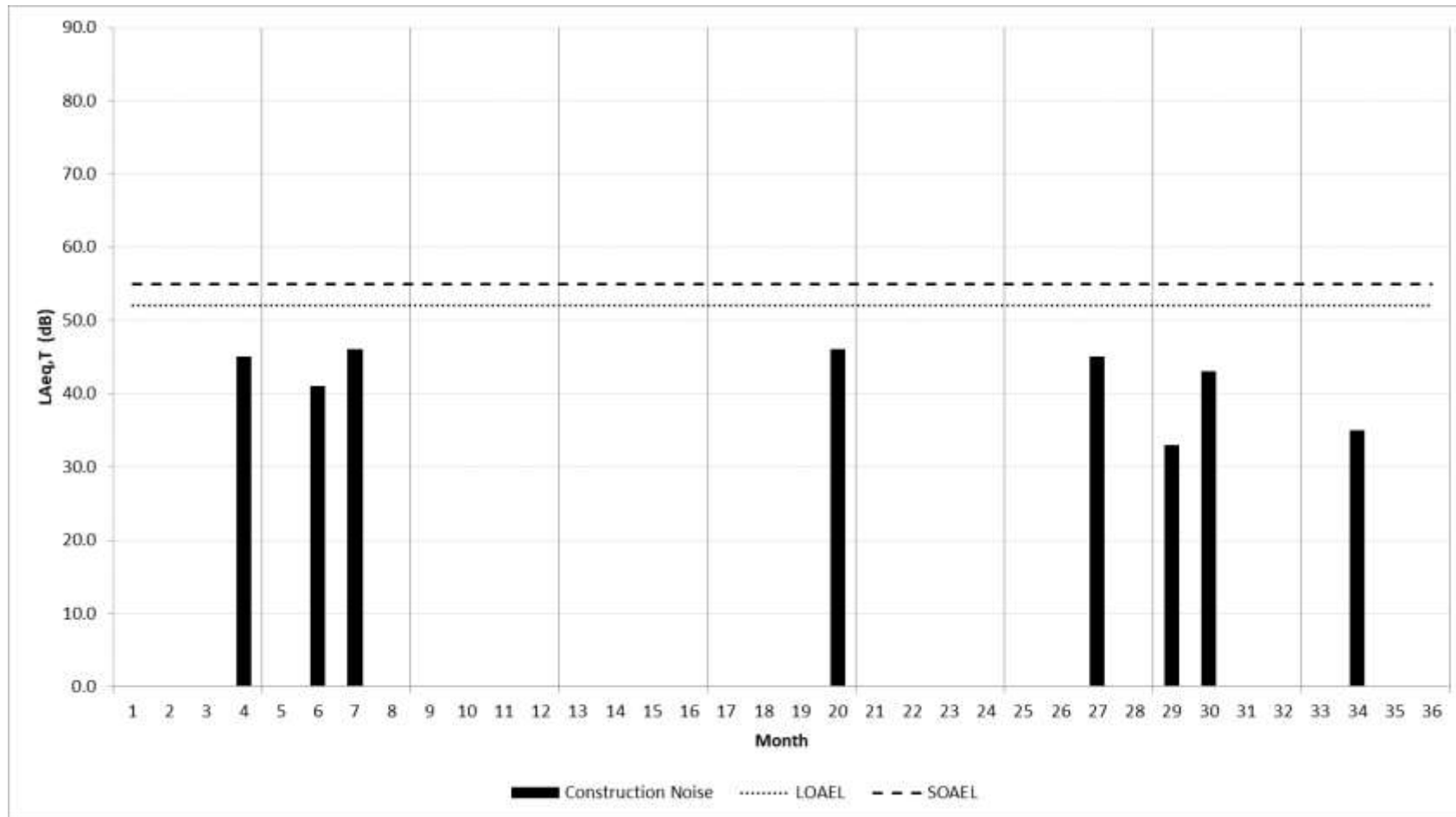
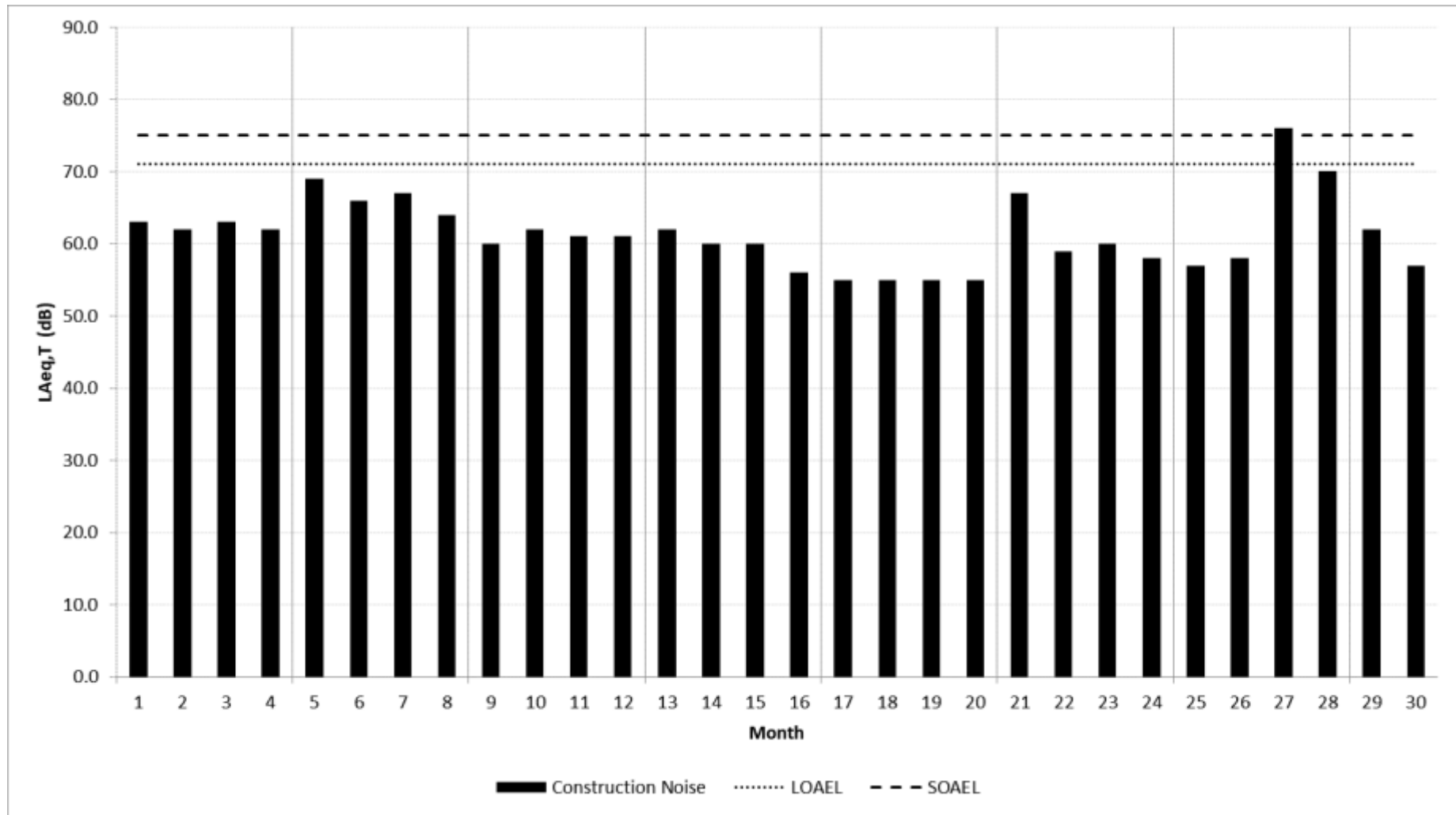


Figure A.11.3.15: R05 - South View Close, Featherstone (North) – Night, Ground Floor



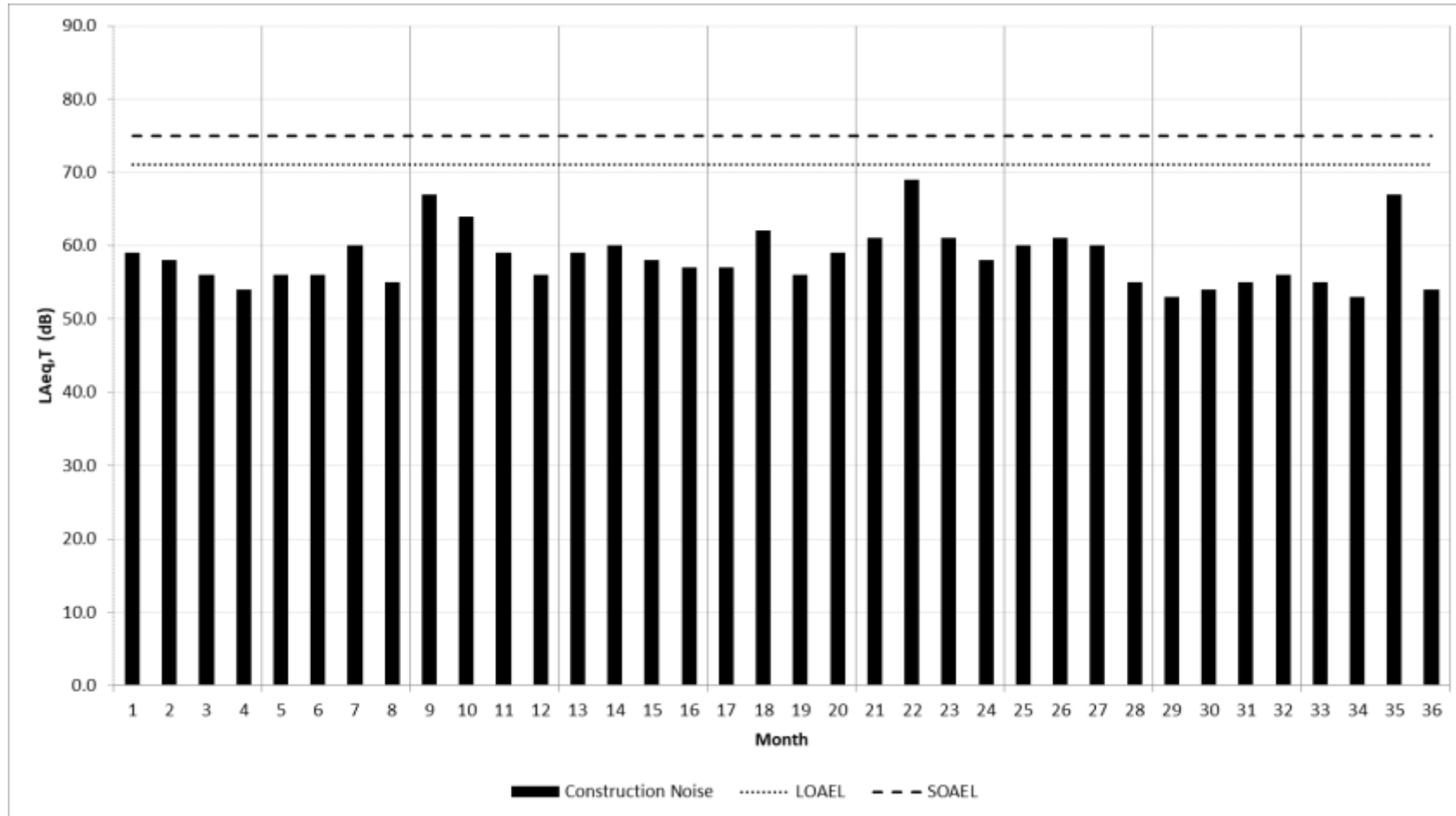
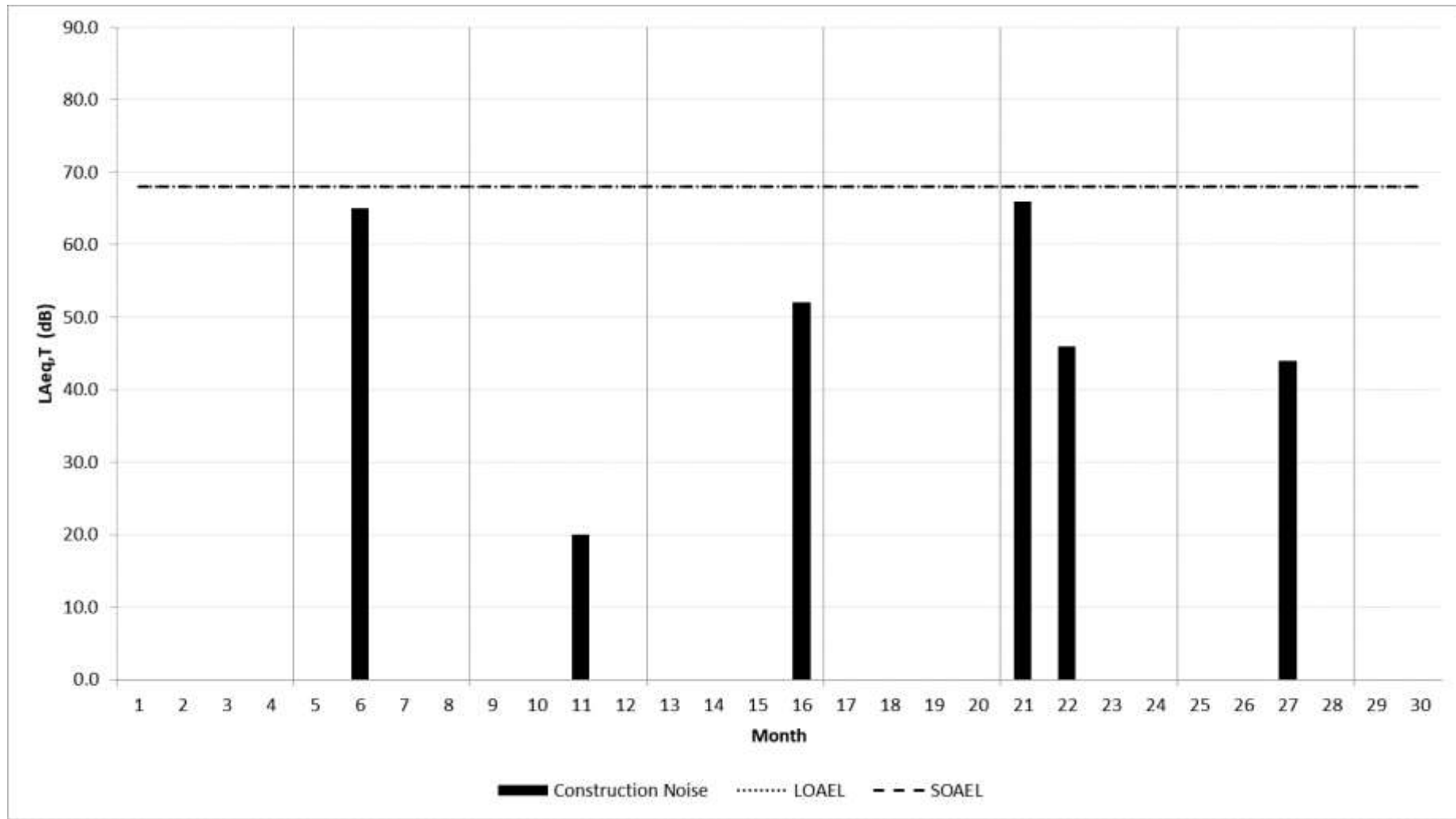


Figure A.11.3.16: R06 - Cannock Road, Featherstone (South) – Day, Ground Floor



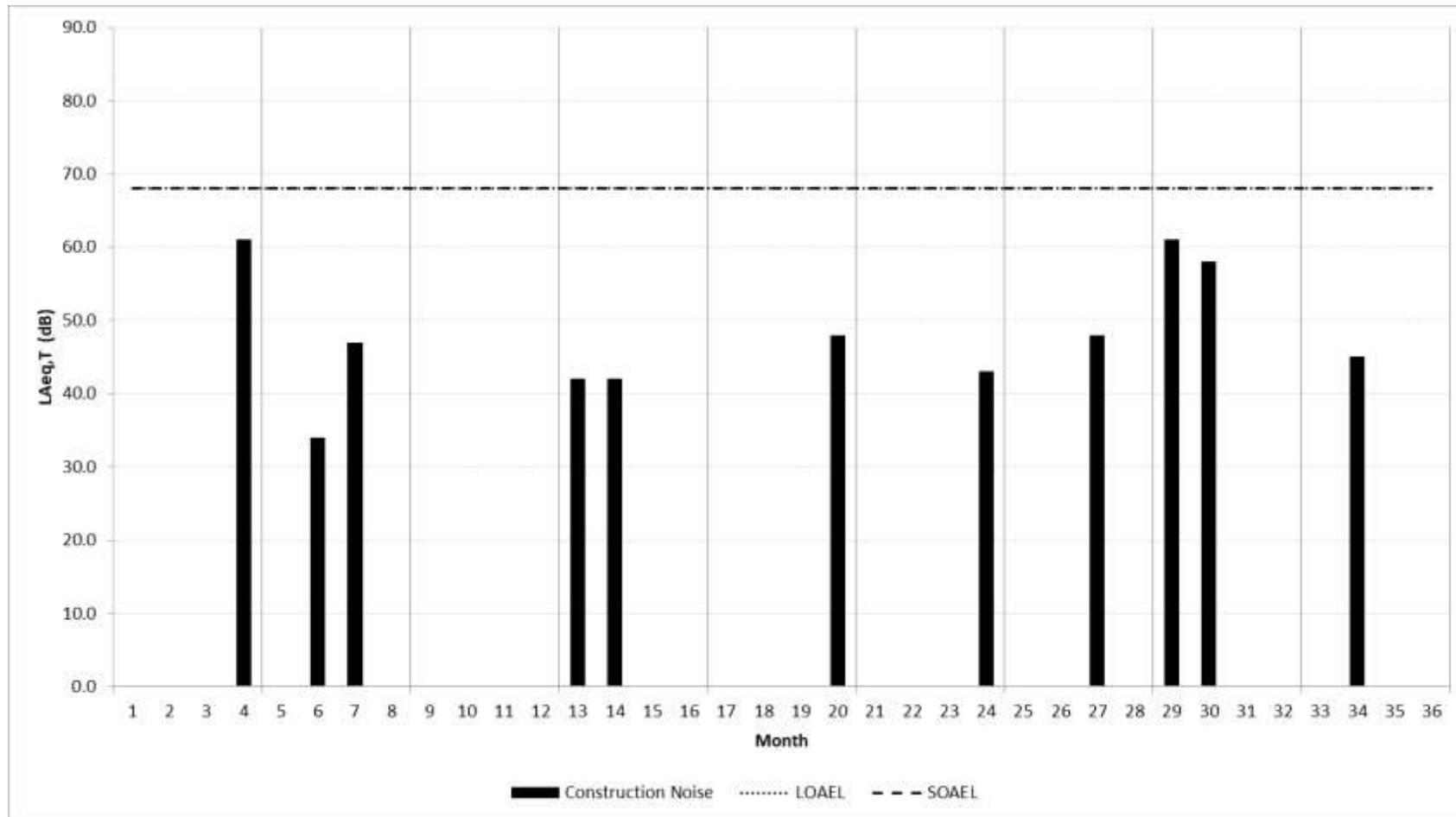
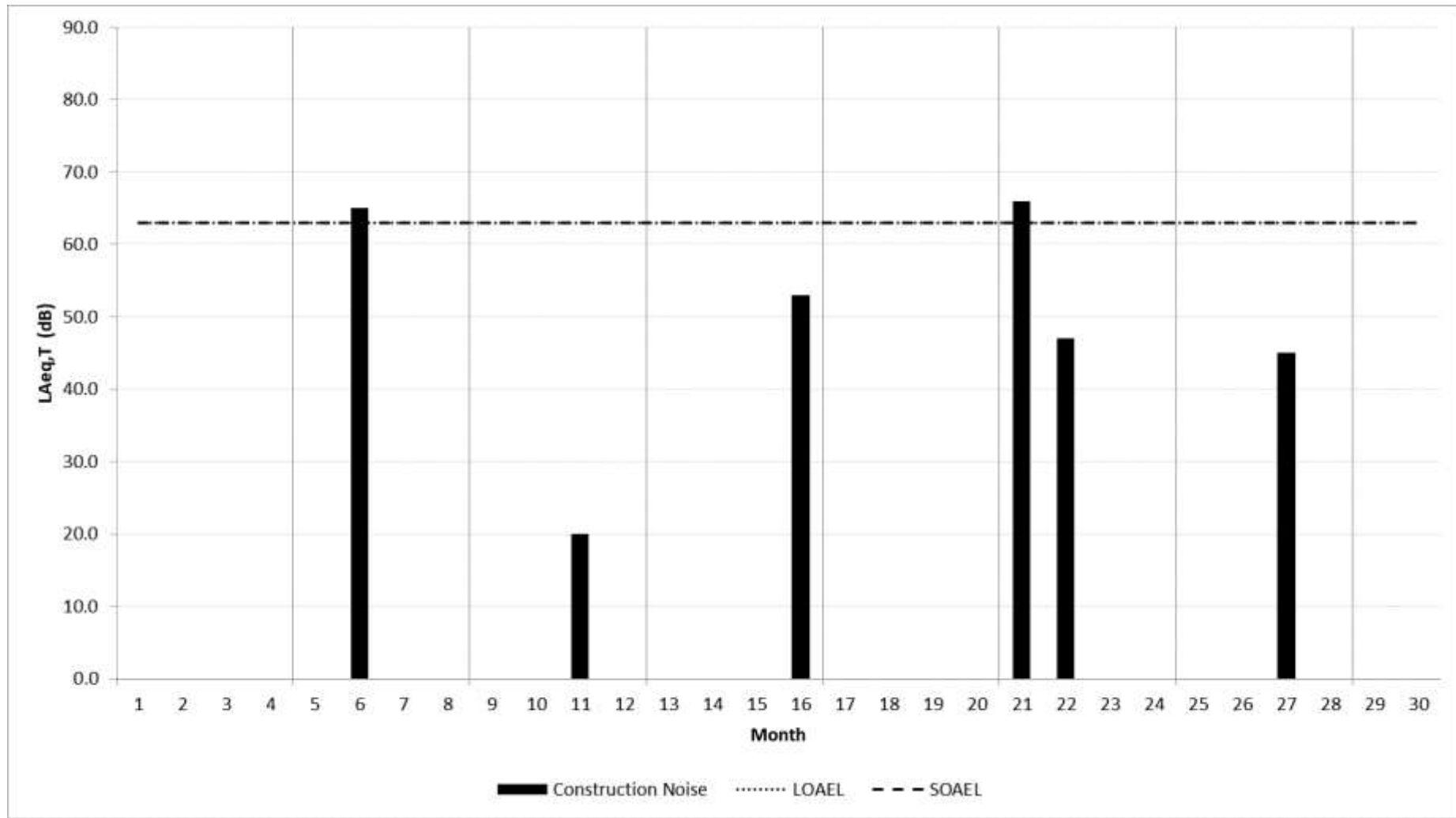


Figure A.11.3.17: R06 - Cannock Road, Featherstone (South) – Evening/Weekend, Ground Floor



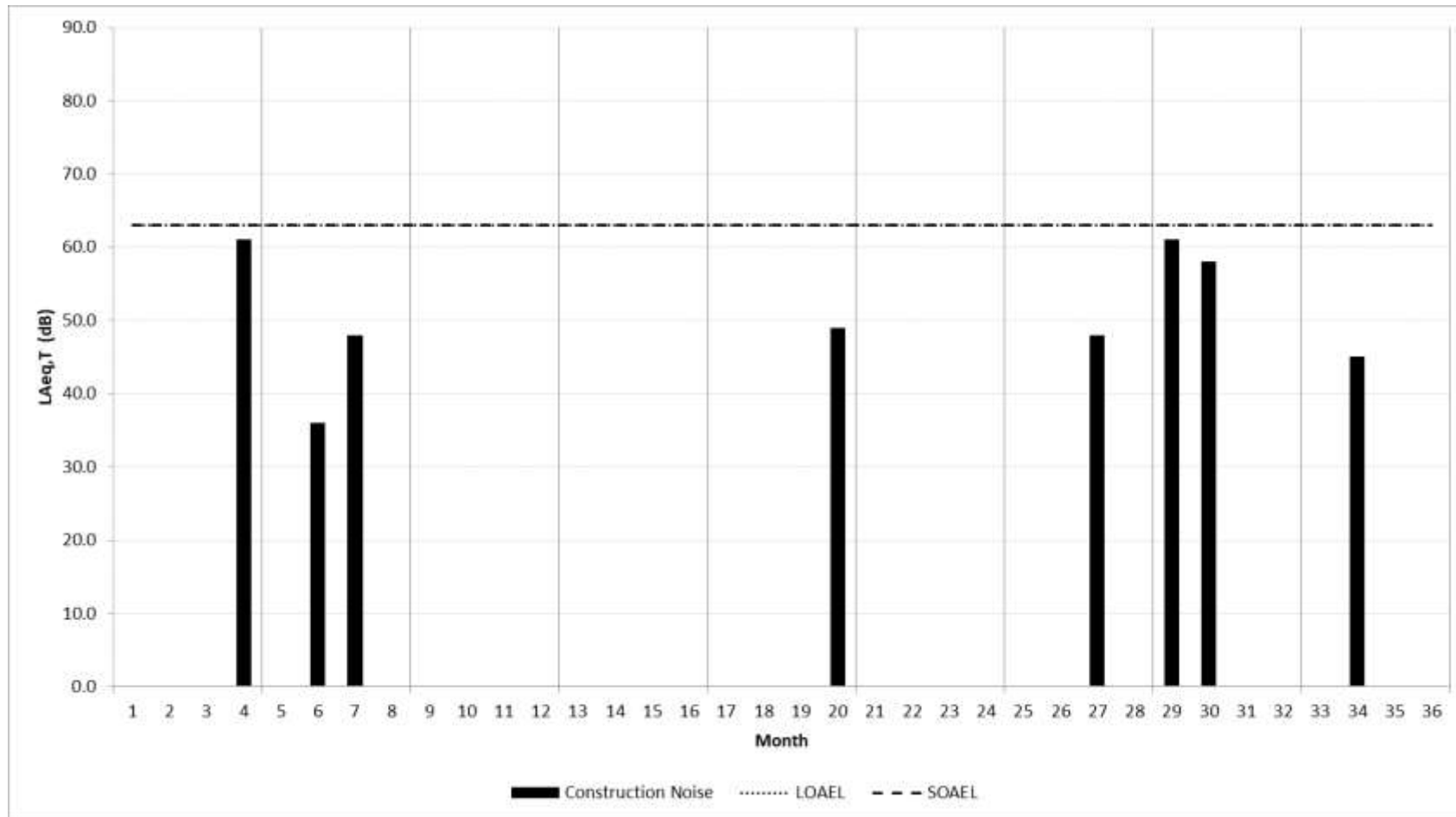
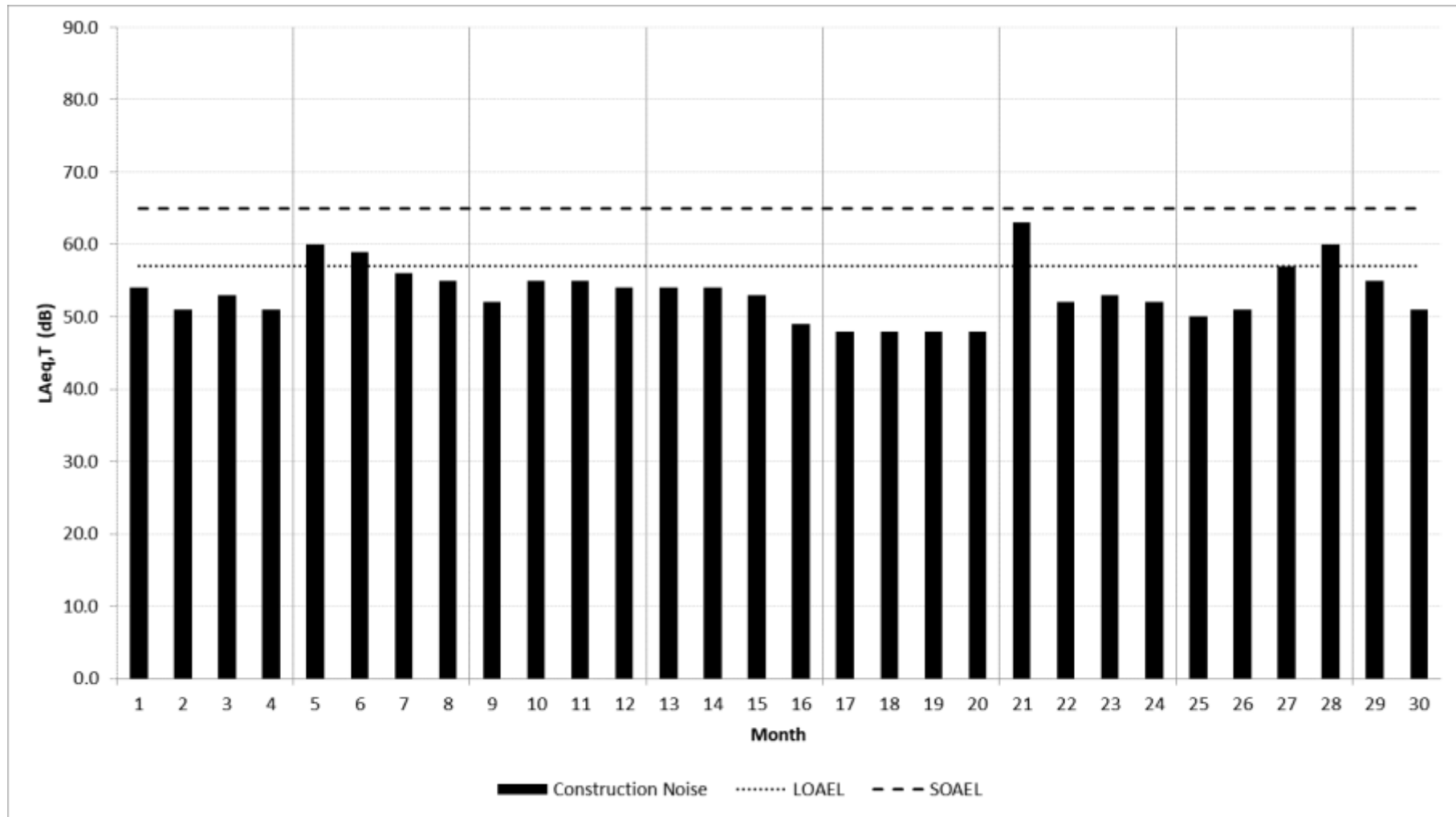


Figure A.11.3.18: R06 - Cannock Road, Featherstone (South) – Night, First Floor



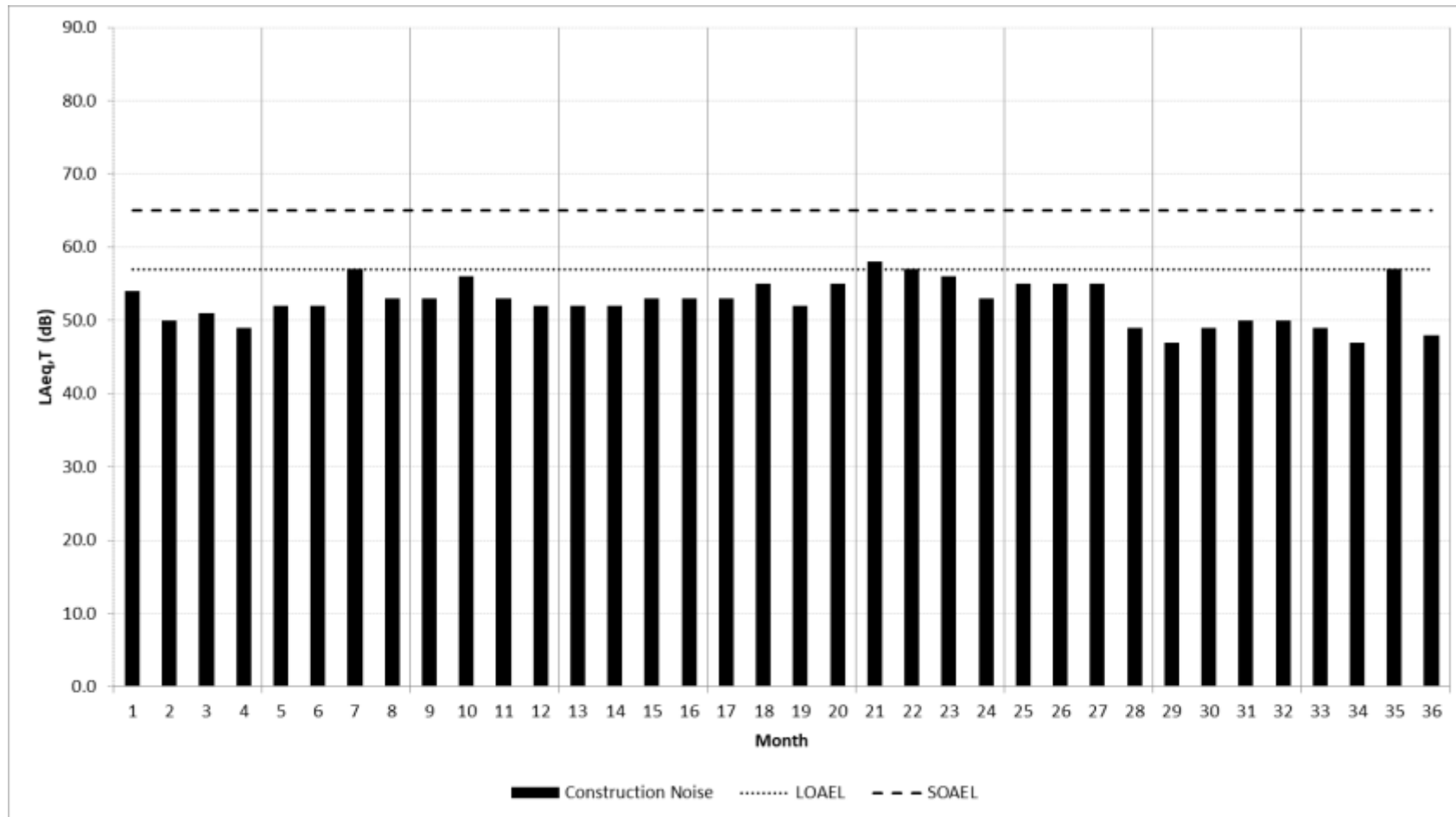
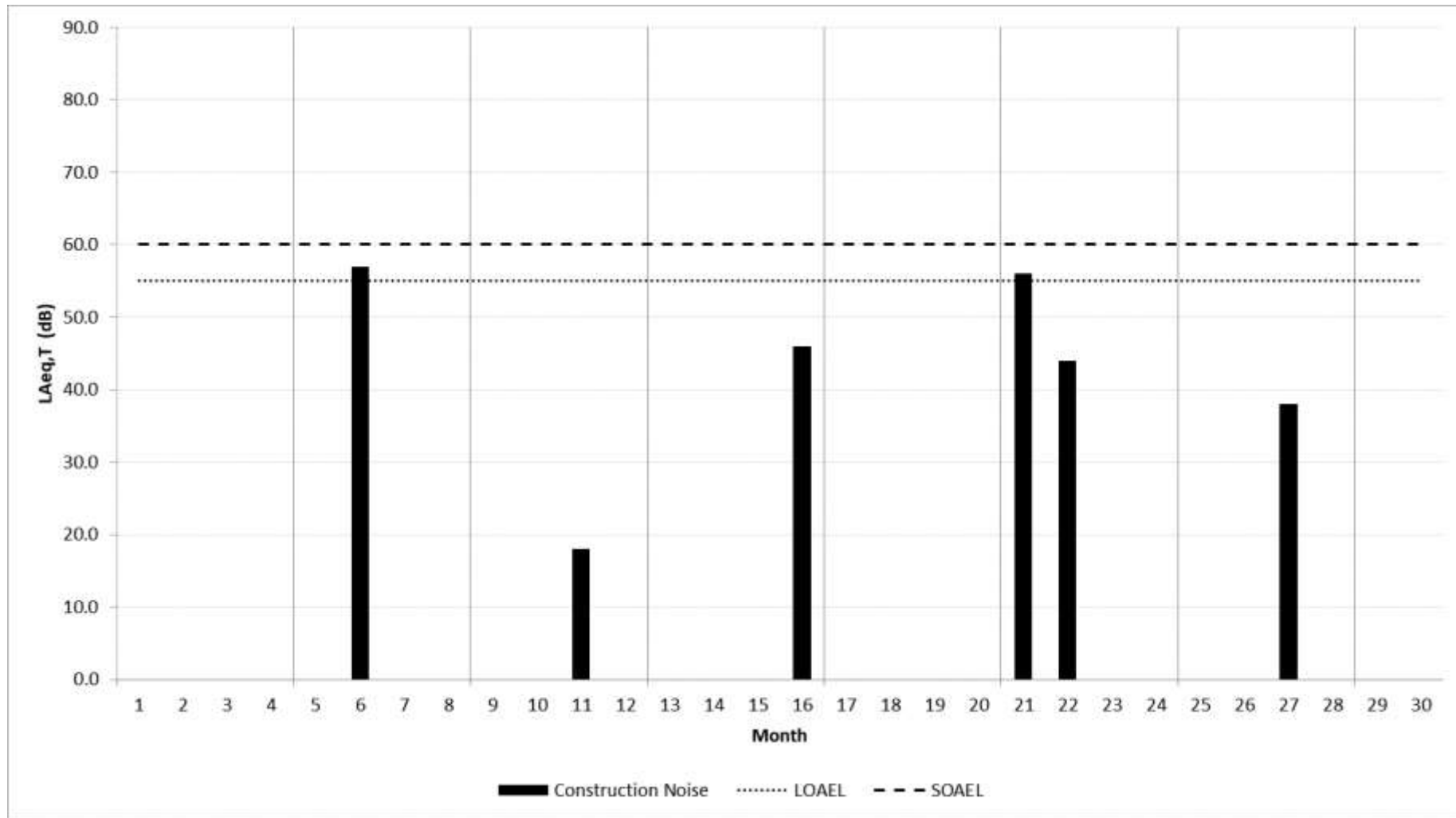


Figure A.11.3.19: R07 - South Crescent, Featherstone – Day, Ground Floor



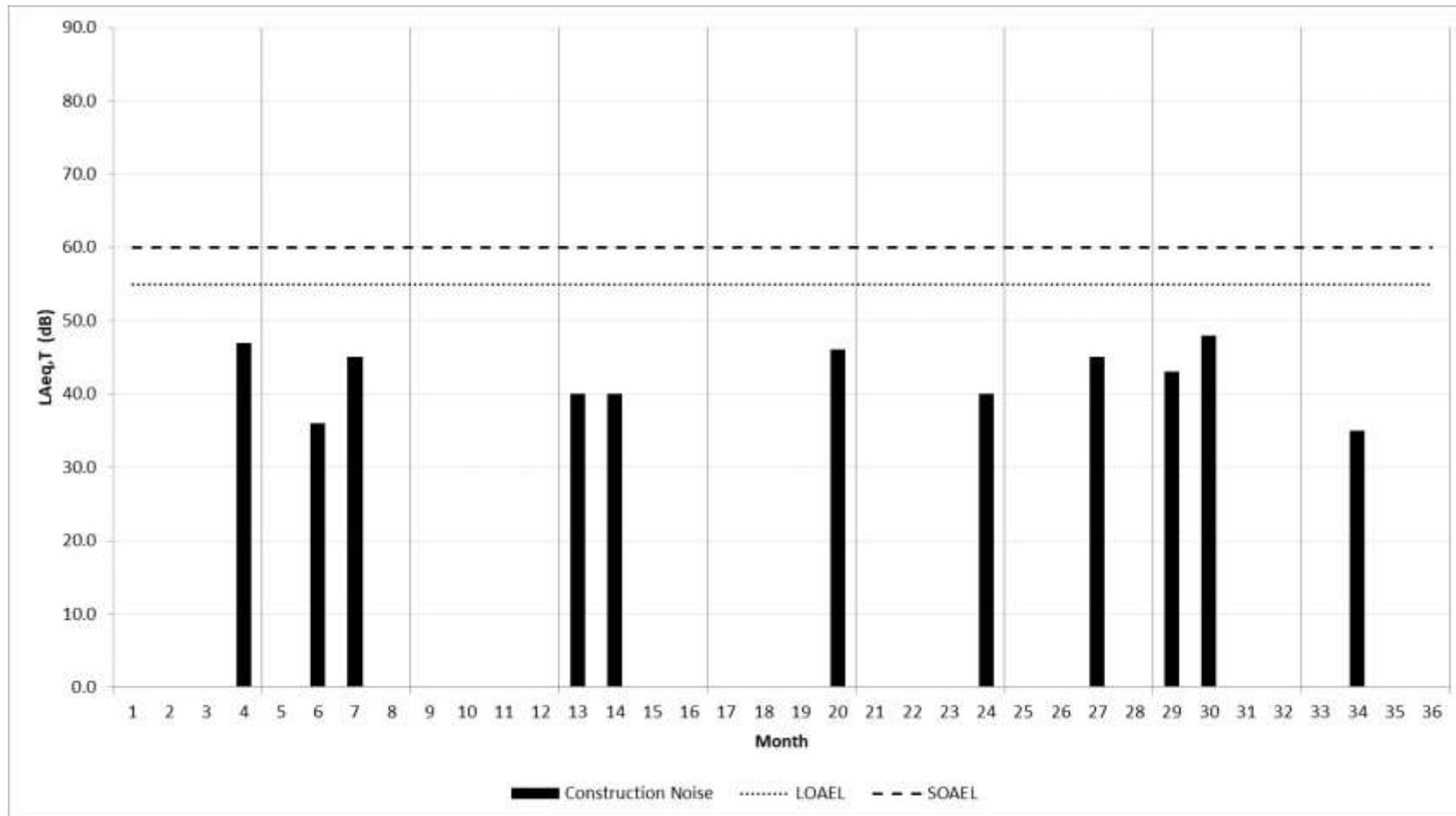
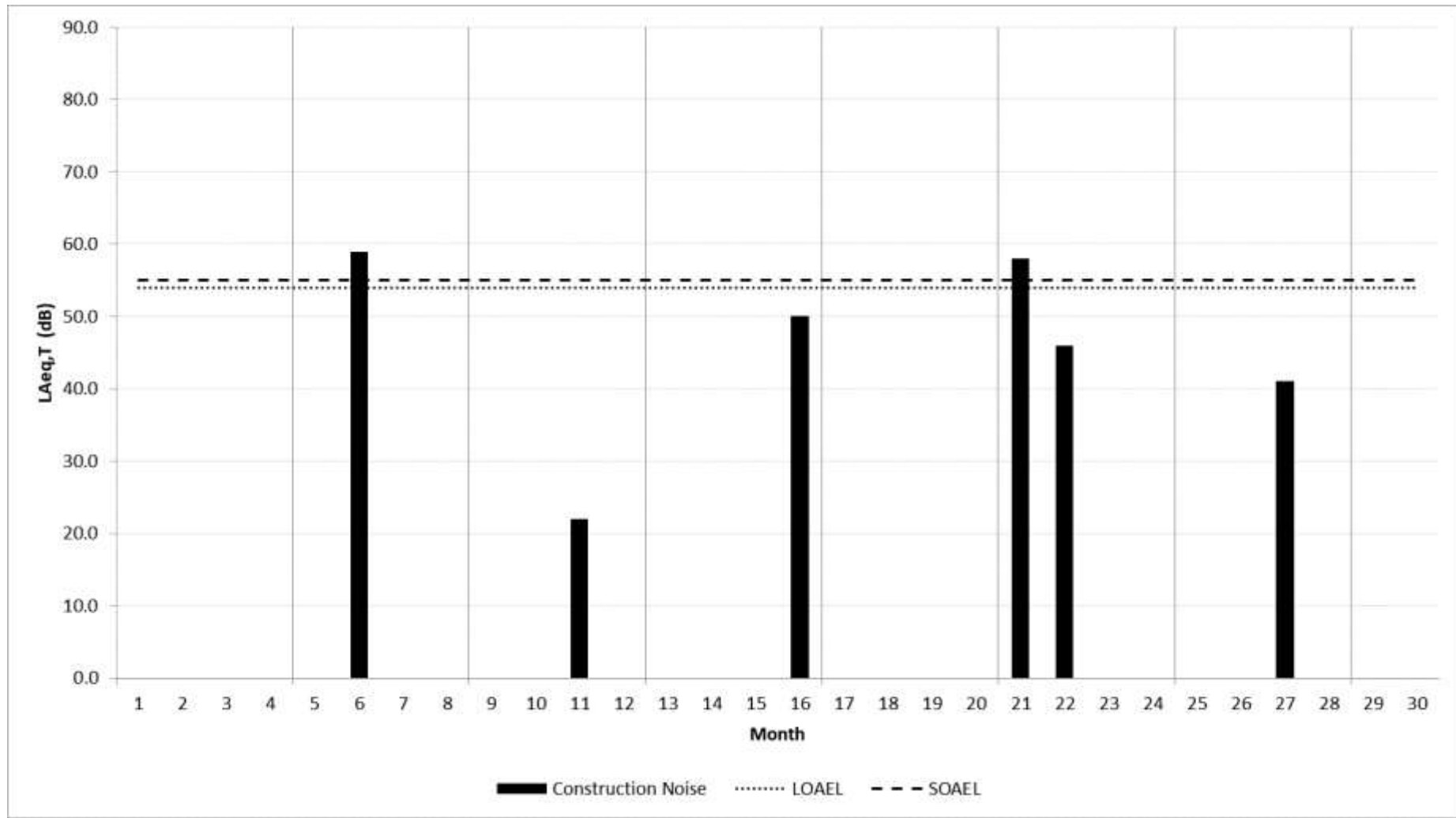


Figure A.11.3.20: R07 - South Crescent, Featherstone – Evening/Weekend, Ground Floor



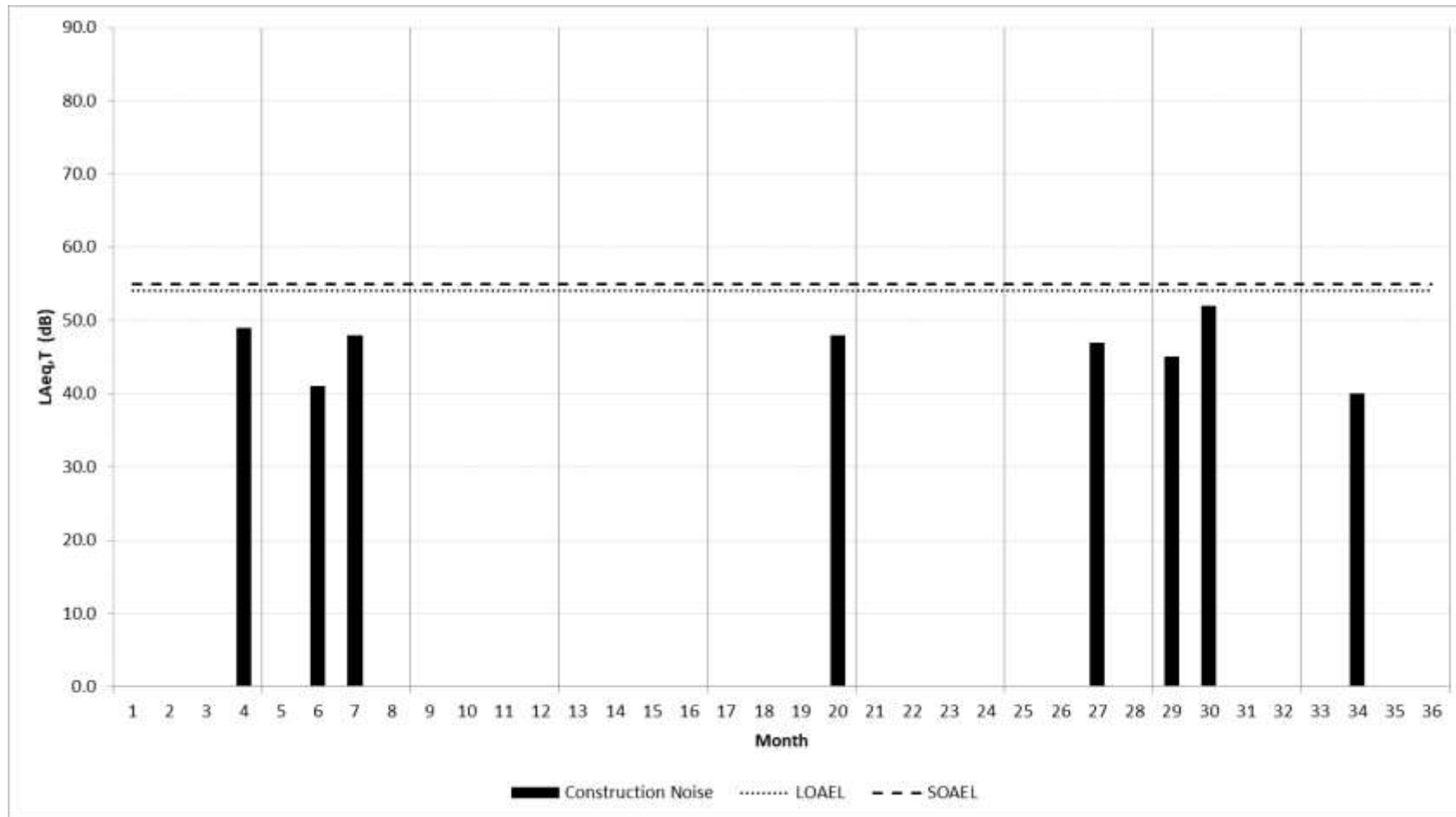
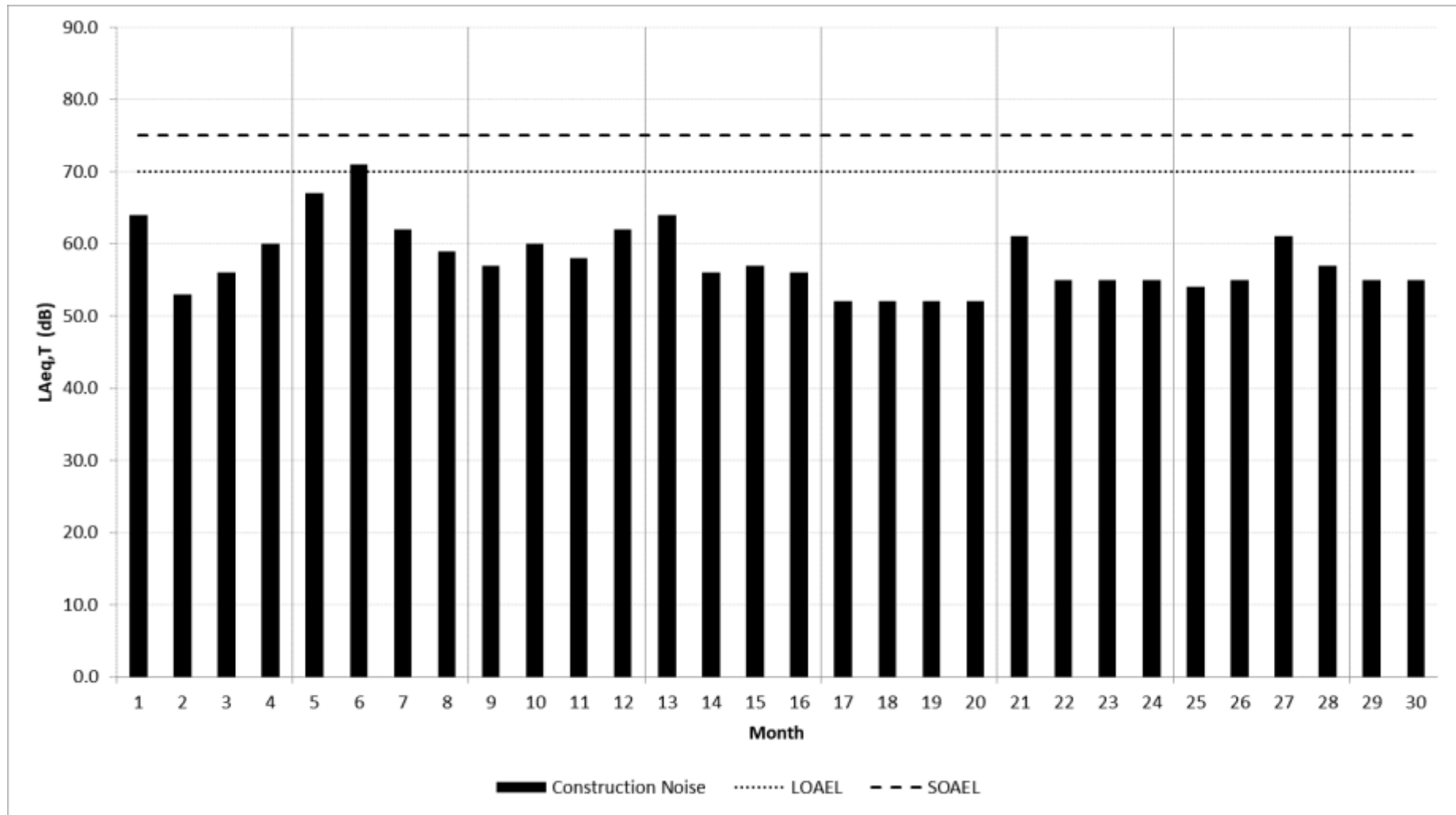


Figure A.11.3.21: R07 - South Crescent, Featherstone – Night, First Floor



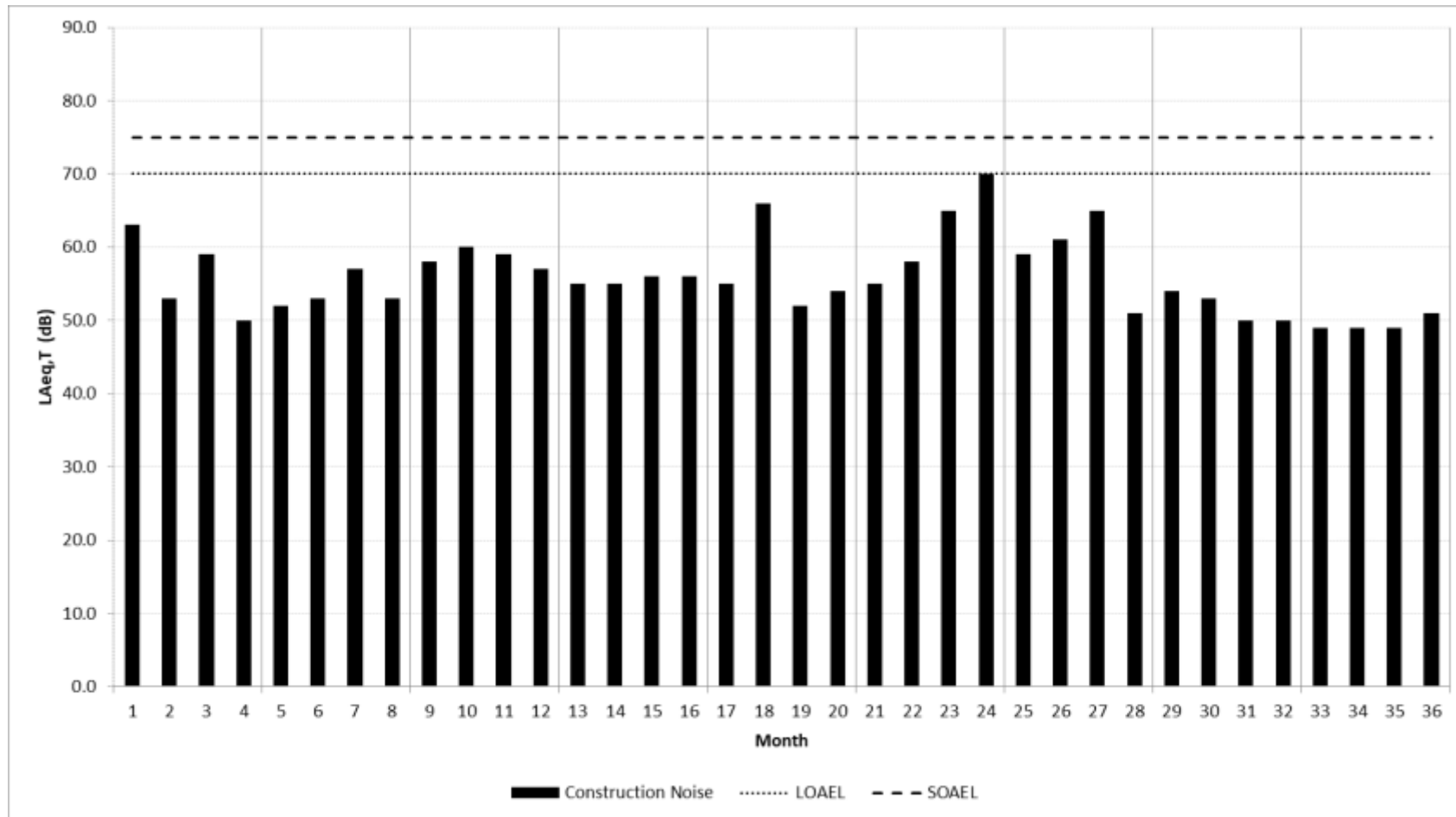
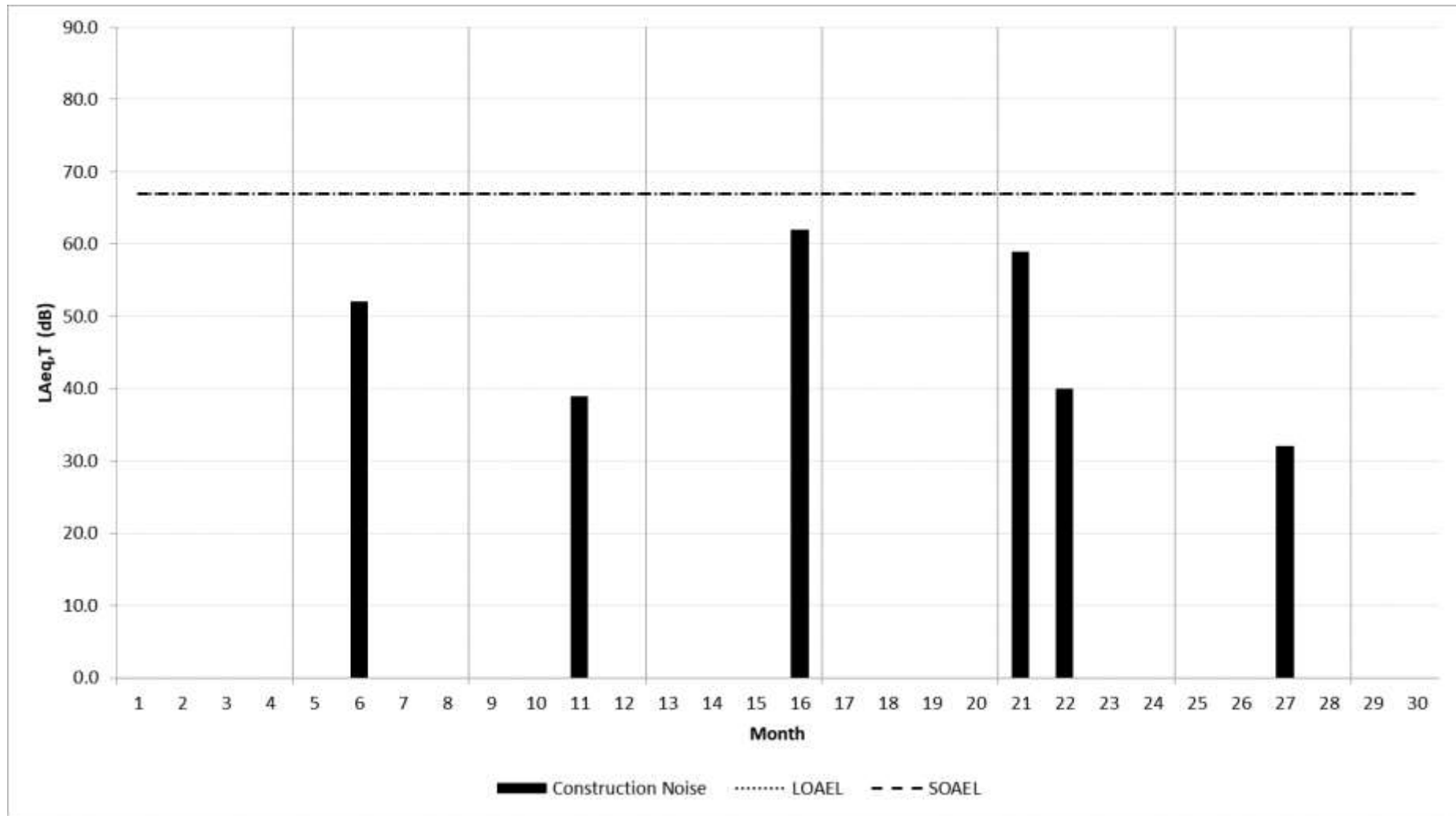


Figure A.11.3.22: R08 - Cannock Road, Featherstone (Central) – Day, Ground Floor



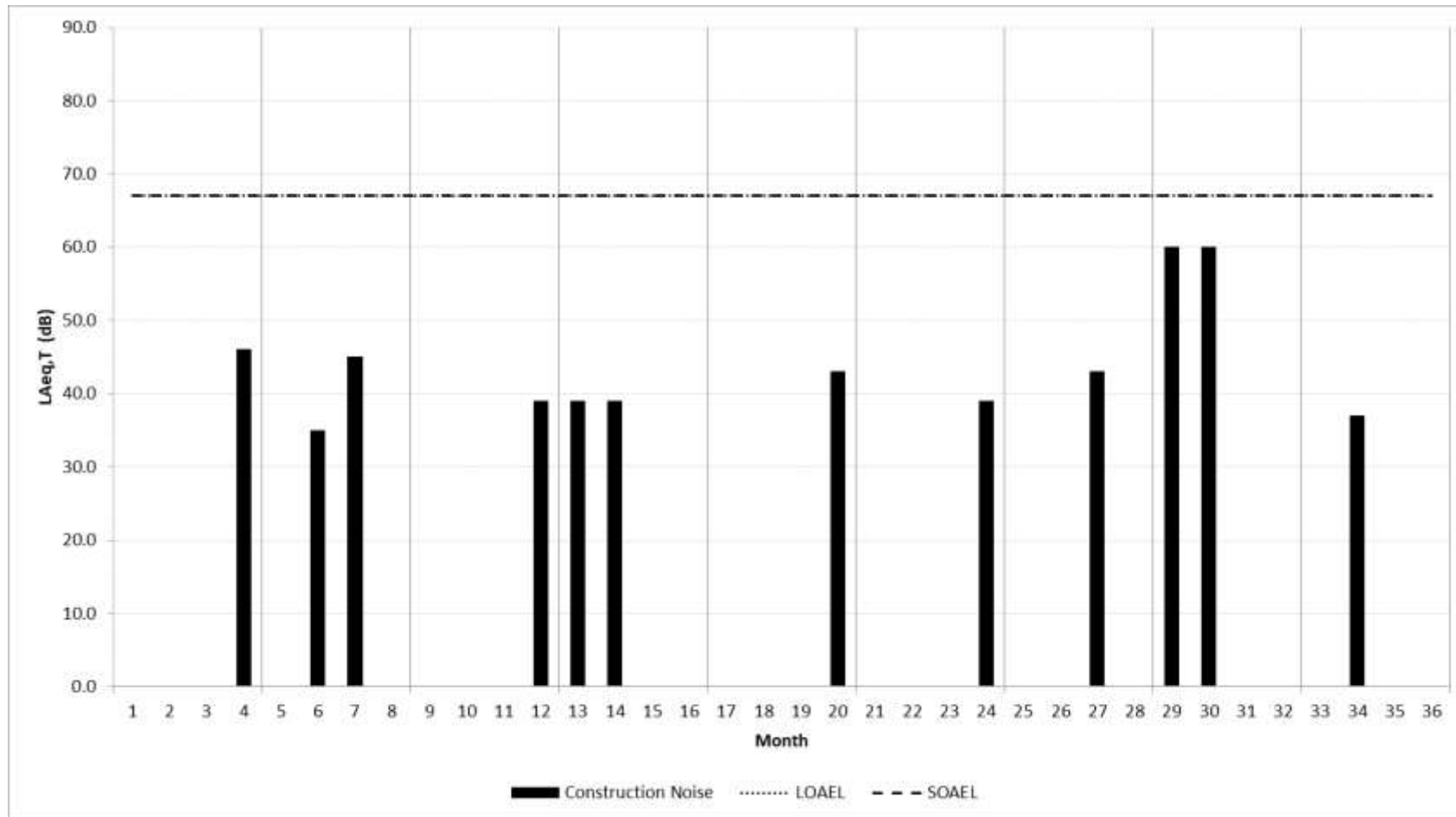
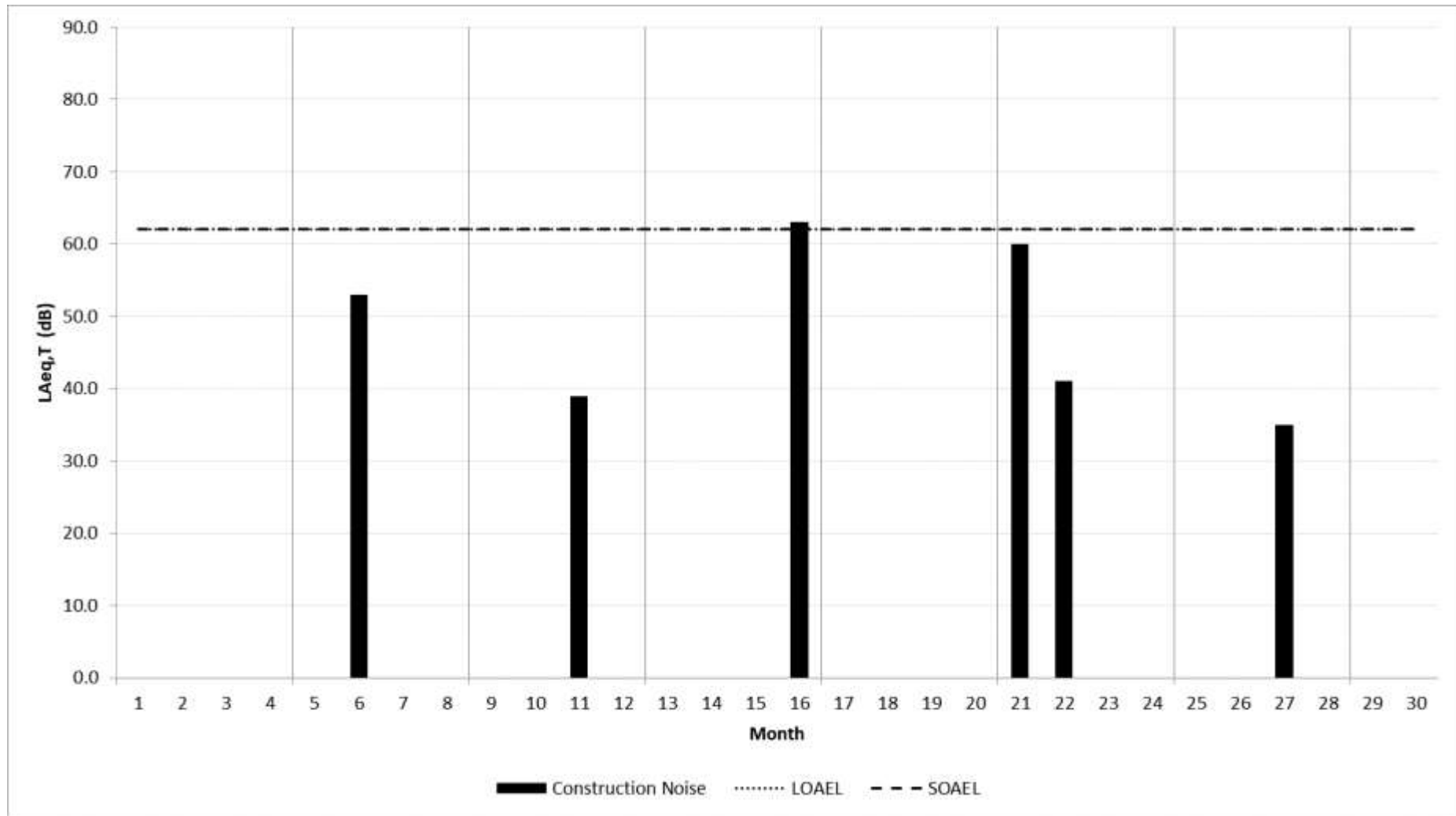


Figure A.11.3.23: R08 - Cannock Road, Featherstone (Central) – Evening/Weekend, Ground Floor



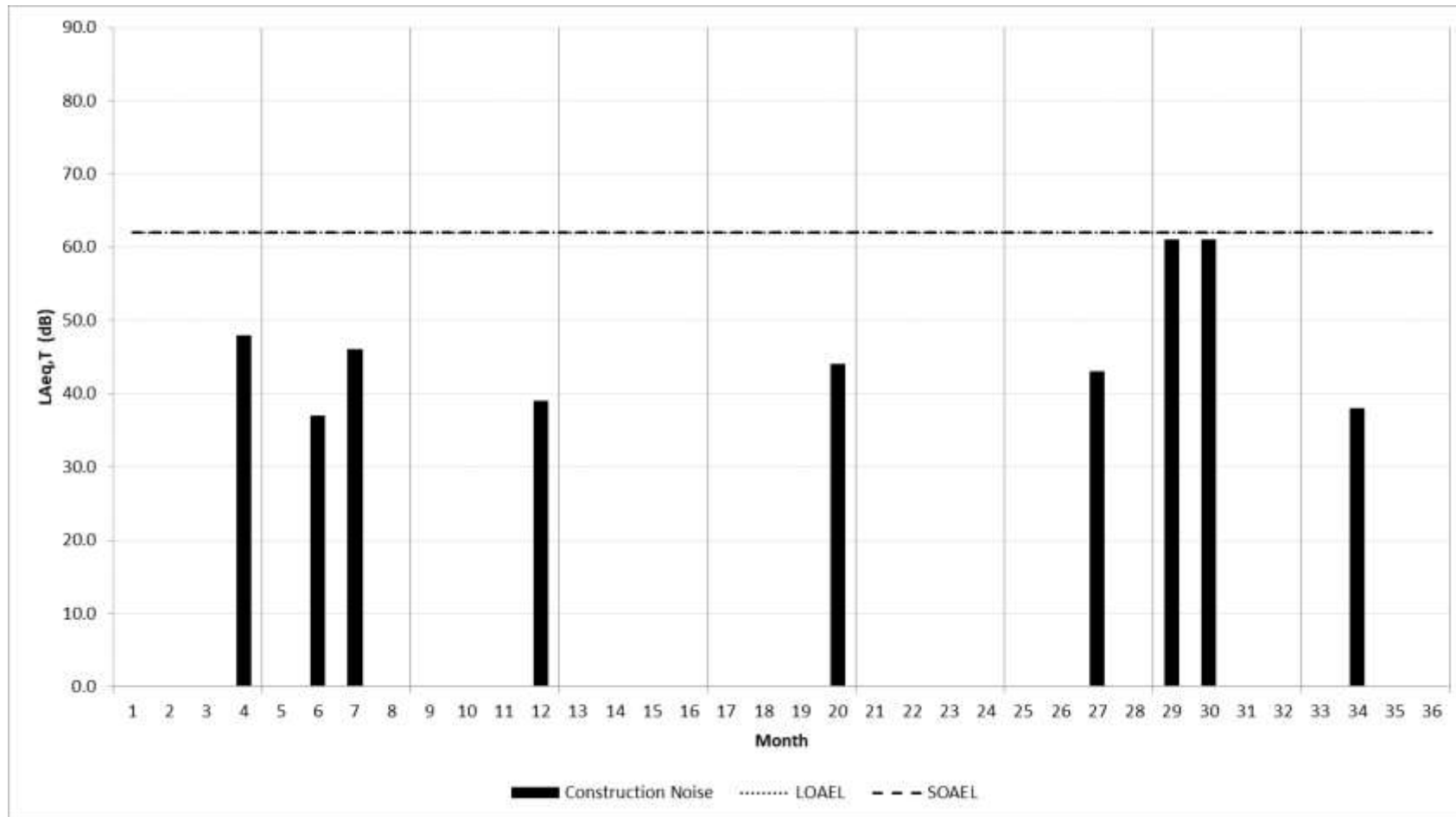
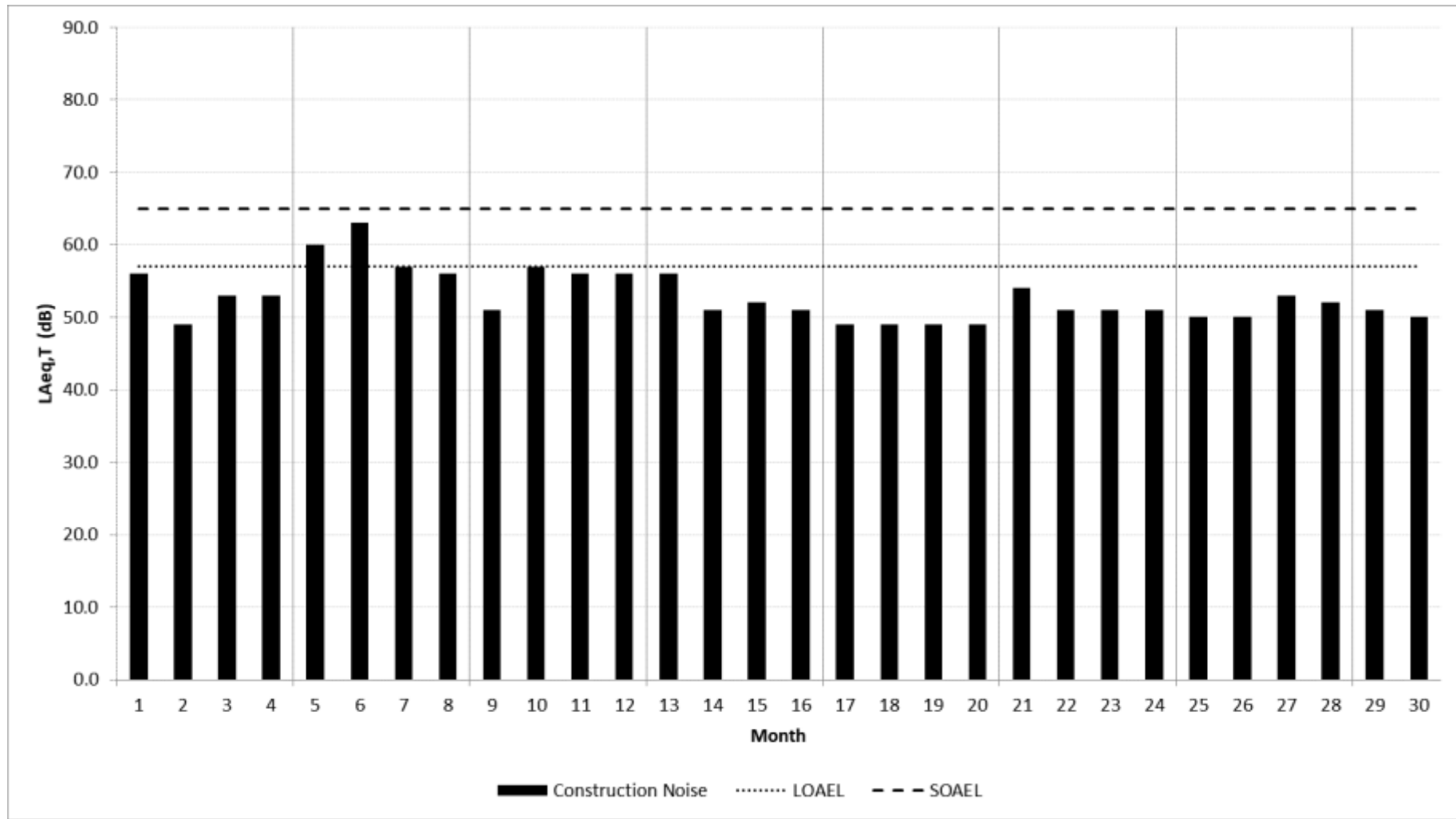


Figure A.11.3.24: R08 - Cannock Road, Featherstone (Central) – Night, First Floor



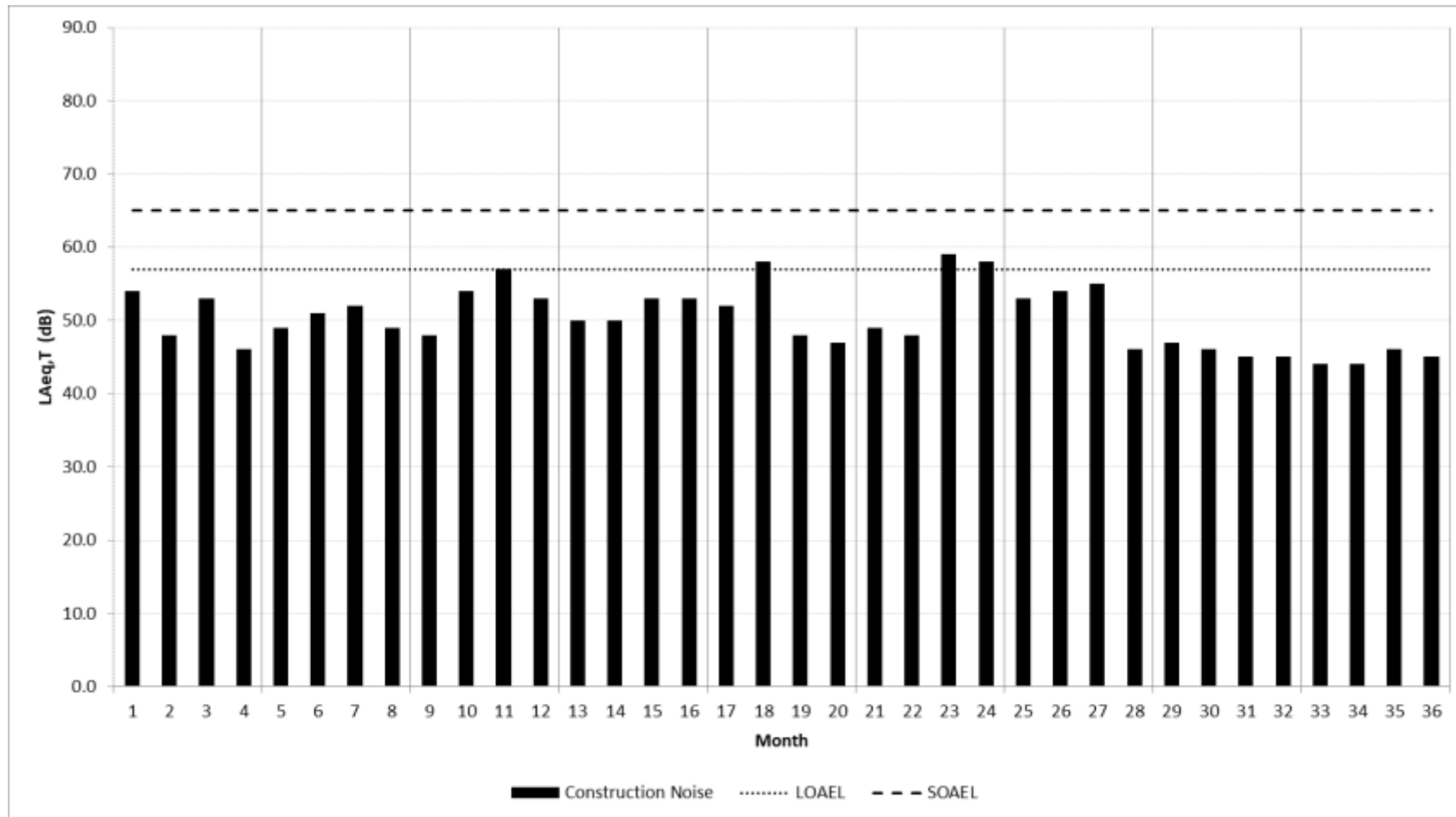
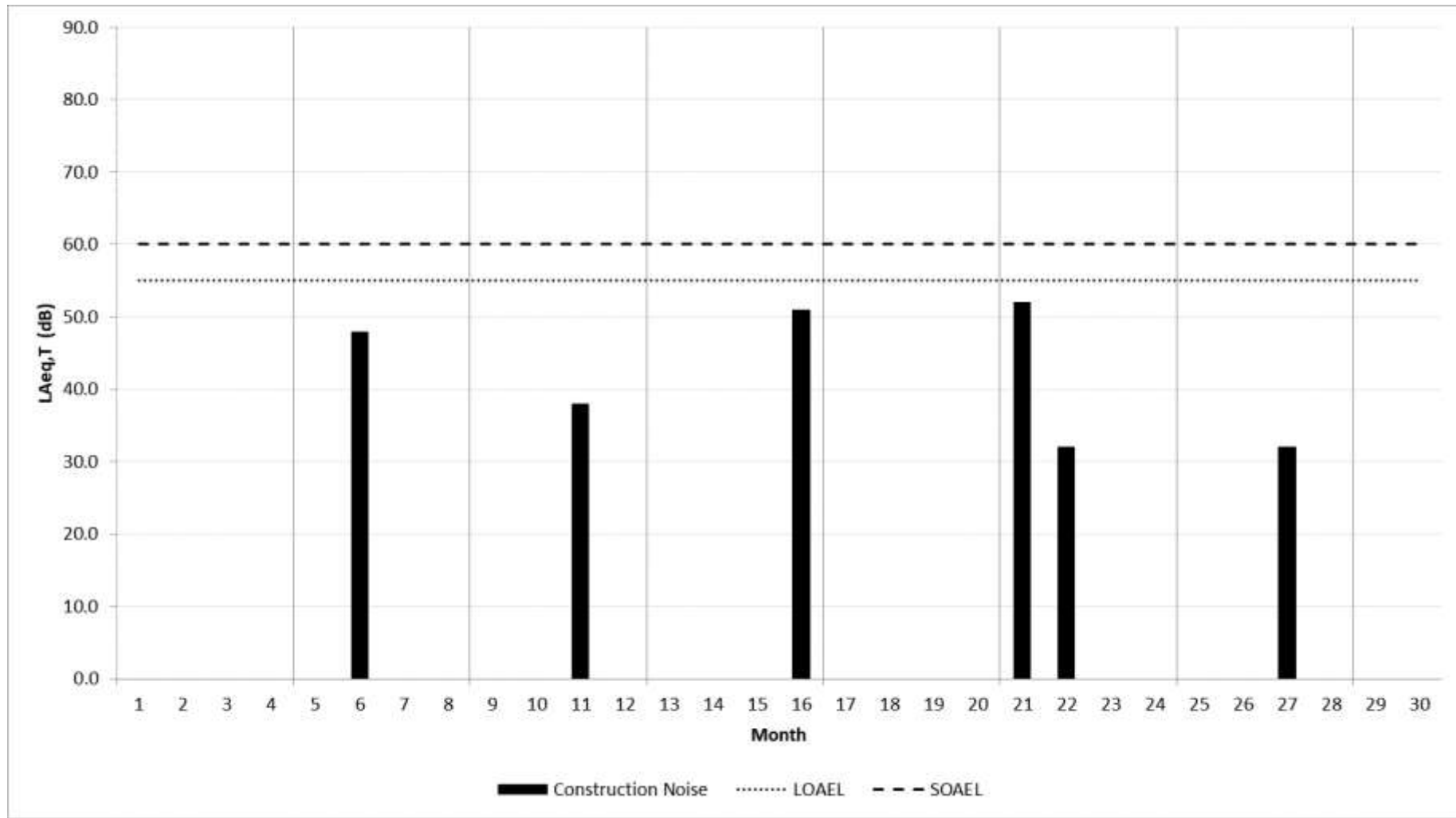


Figure A.11.3.25: R09 - Olde Hall Road, Featherstone – Day, Ground Floor



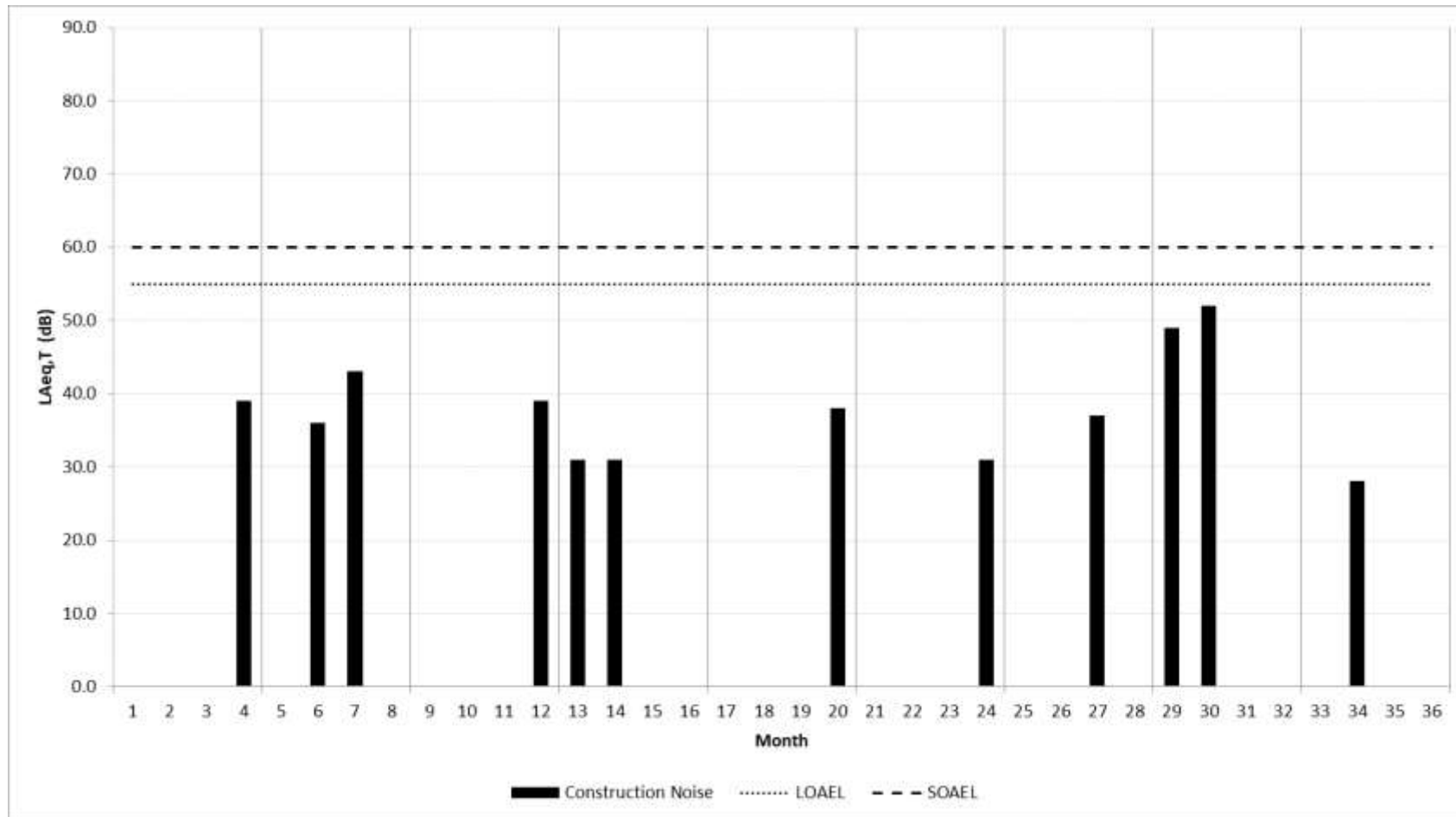
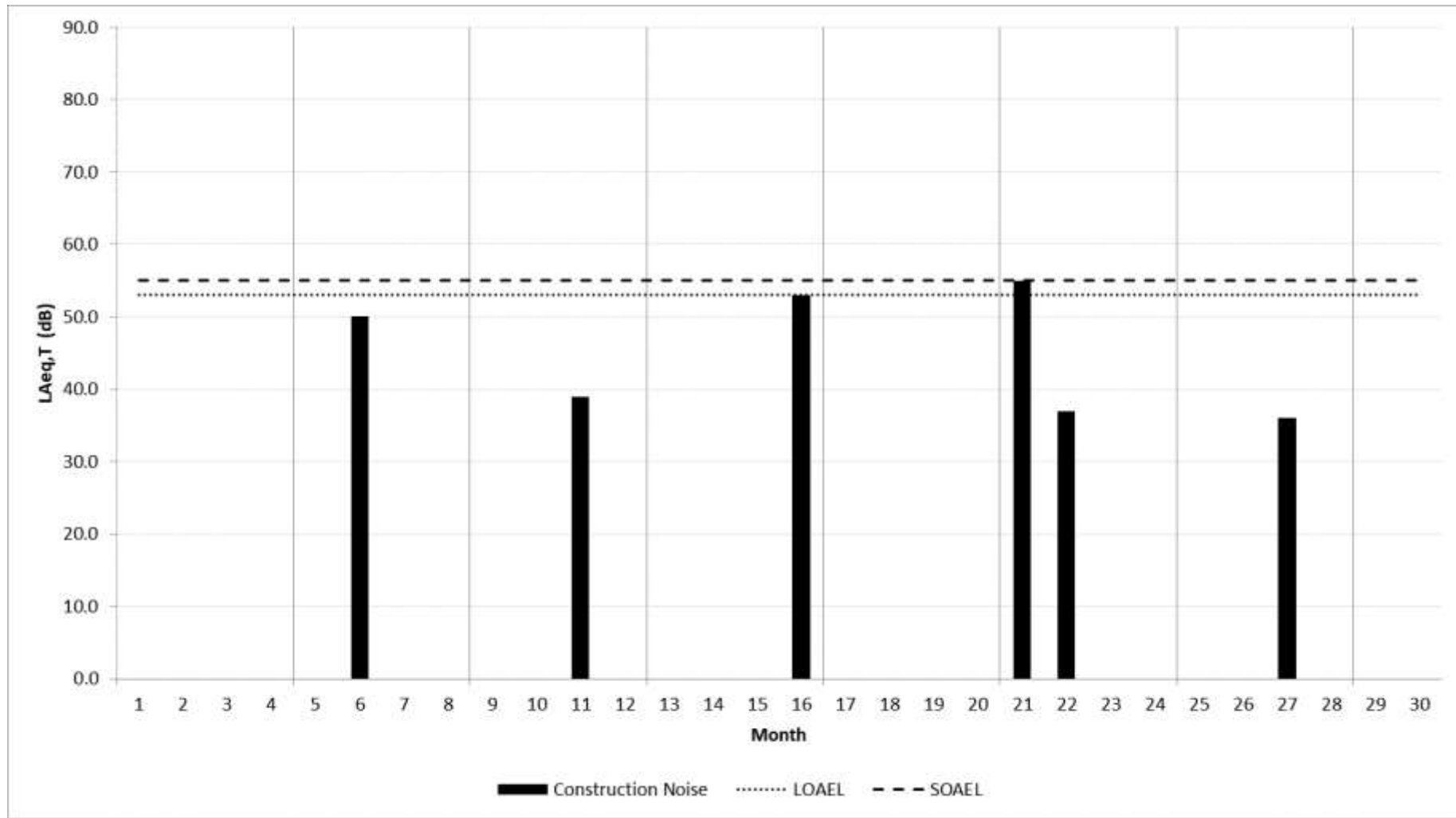


Figure A.11.3.26: R09 - Olde Hall Road, Featherstone – Evening/Weekend, Ground Floor



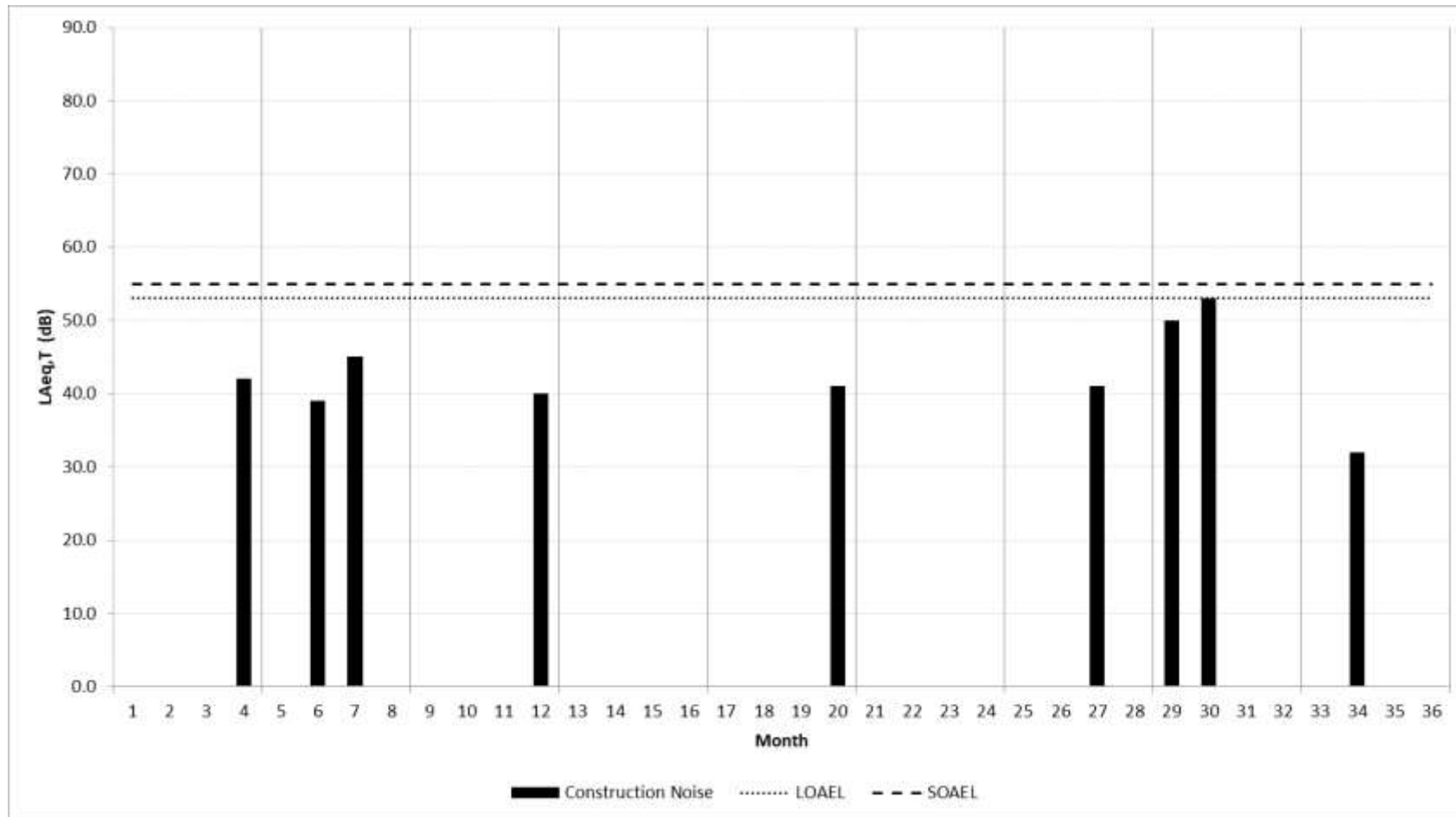
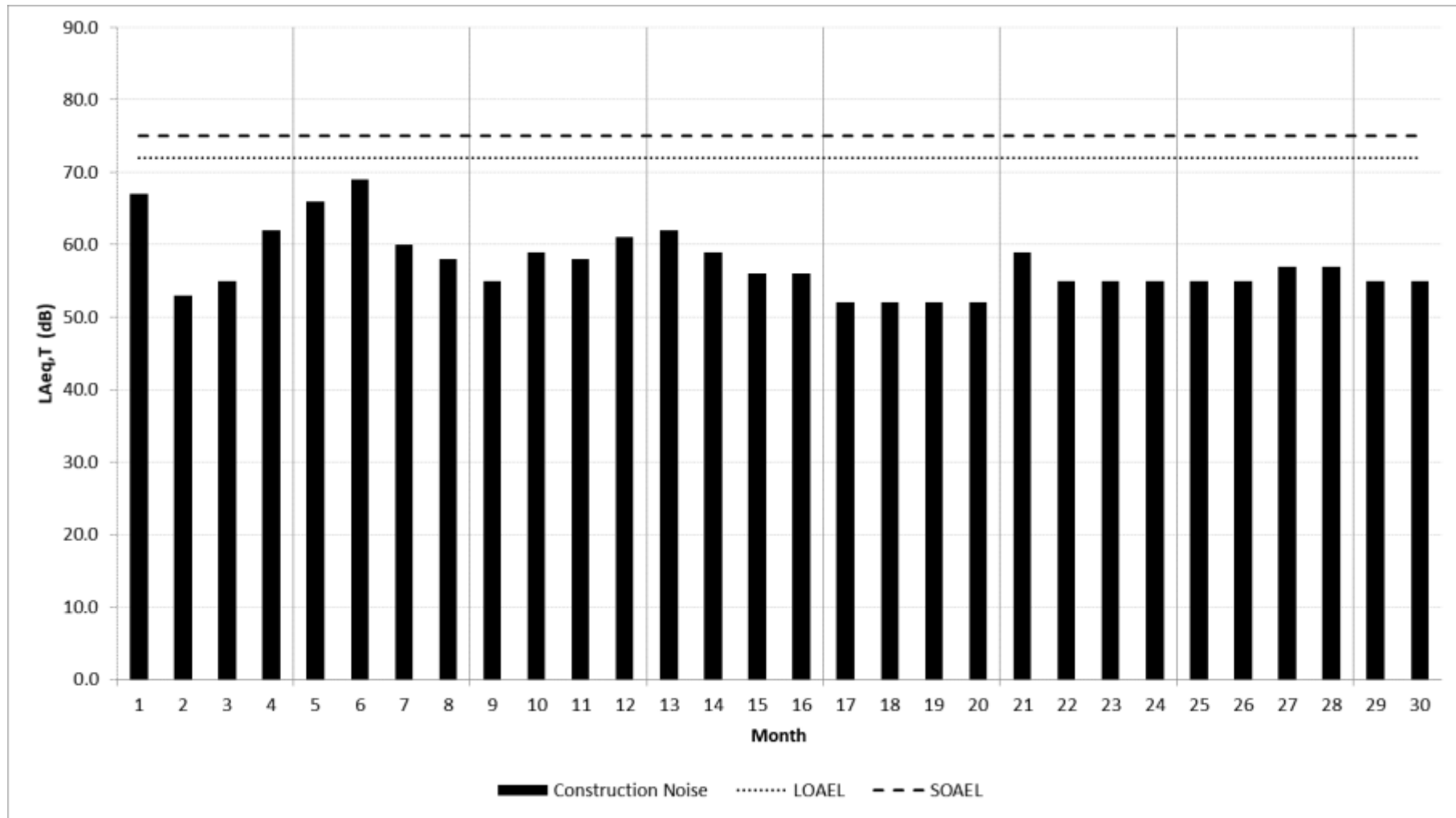


Figure A.11.3.27: R09 - Olde Hall Road, Featherstone – Night, First Floor



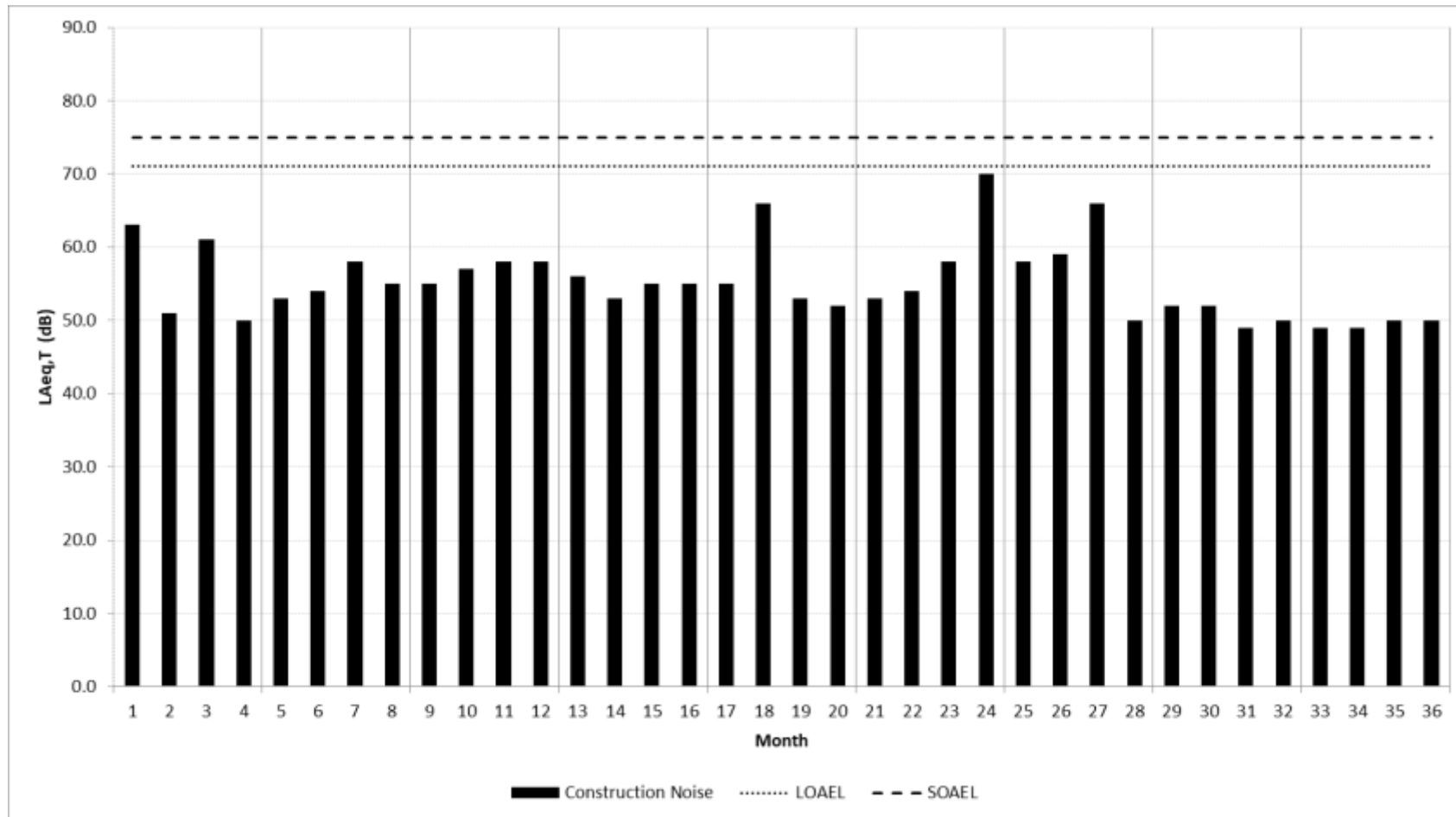
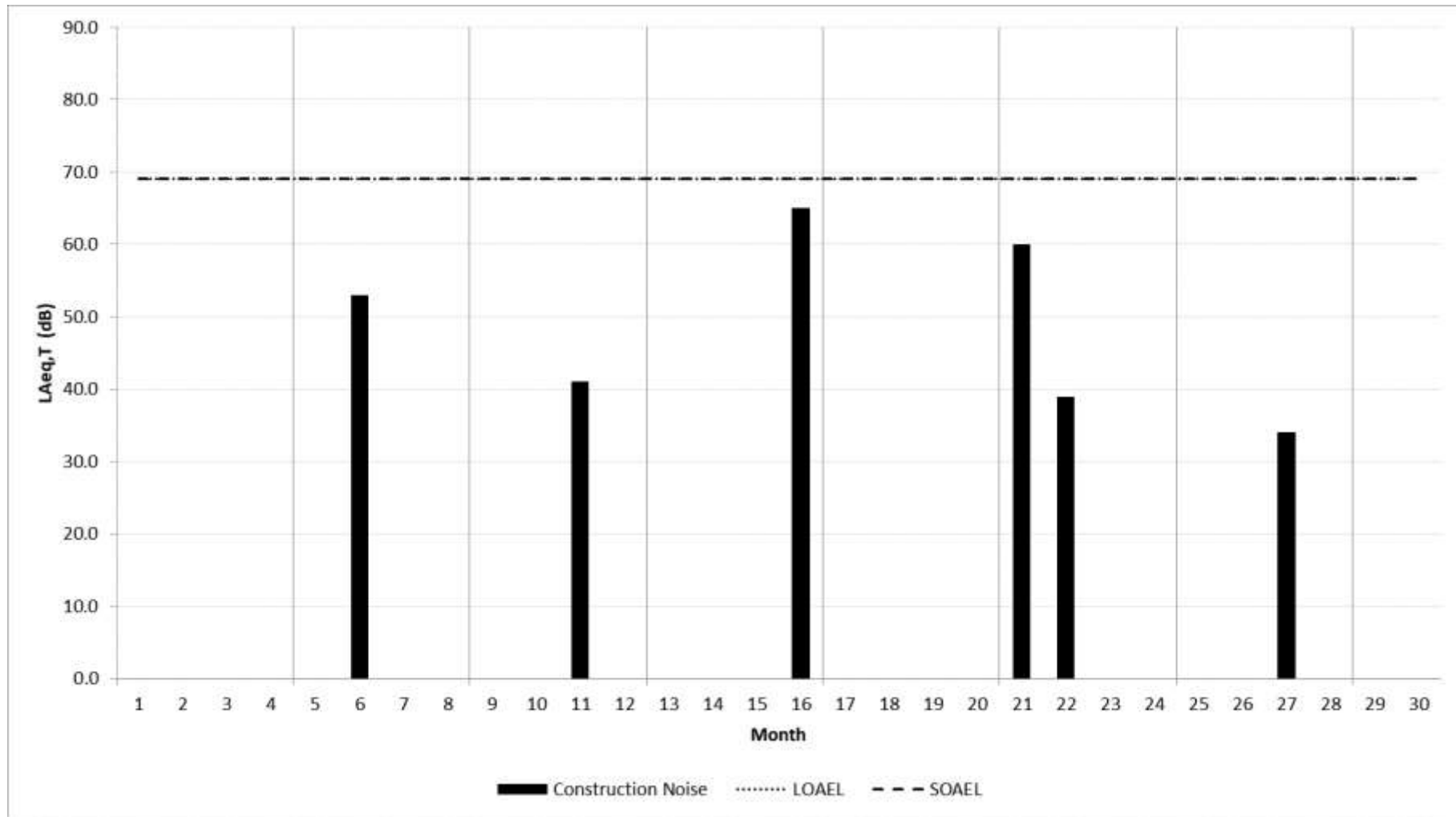


Figure A.11.3.28: R10 - Cannock Road, Featherstone (North) – Day, Ground Floor



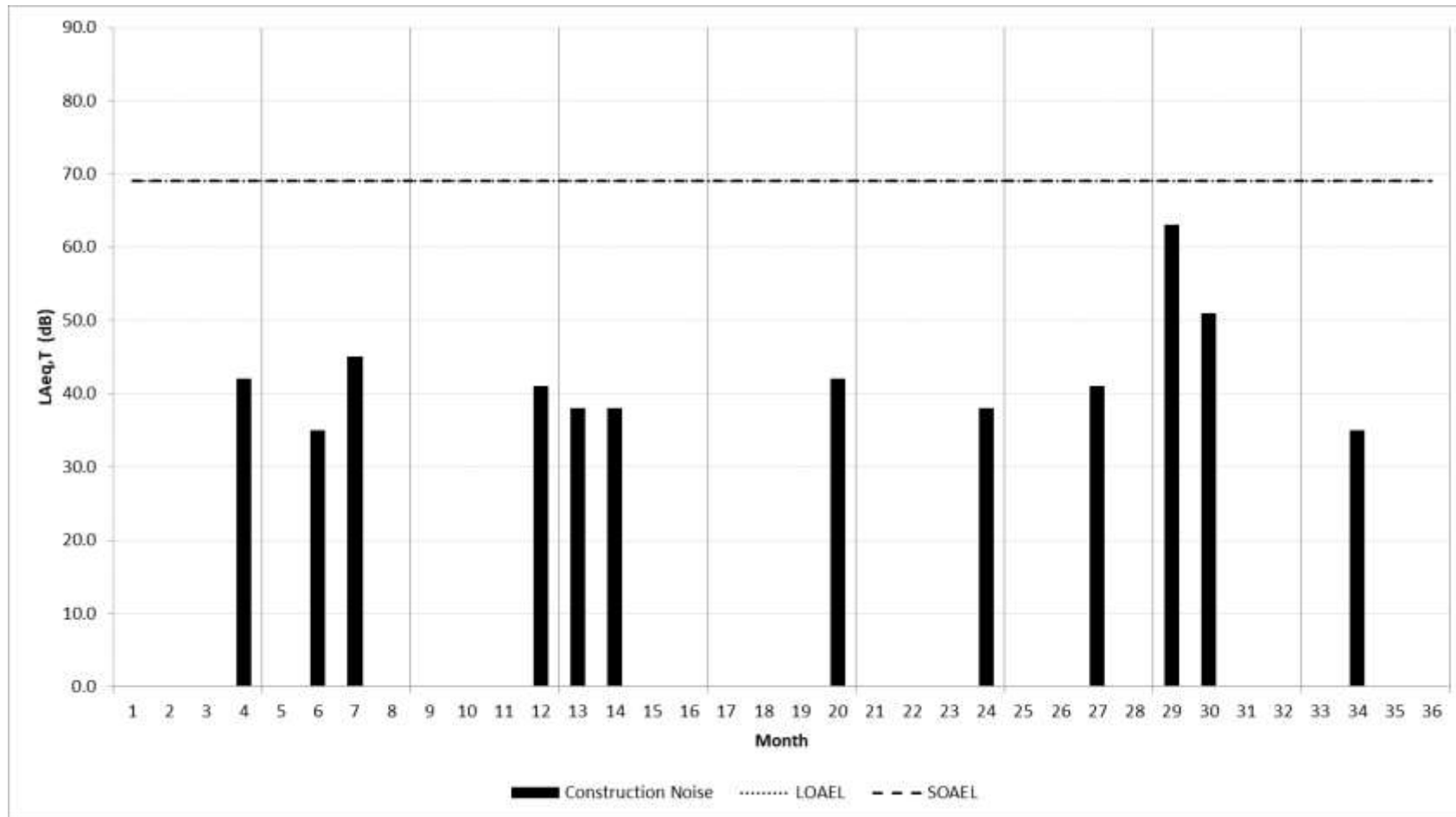
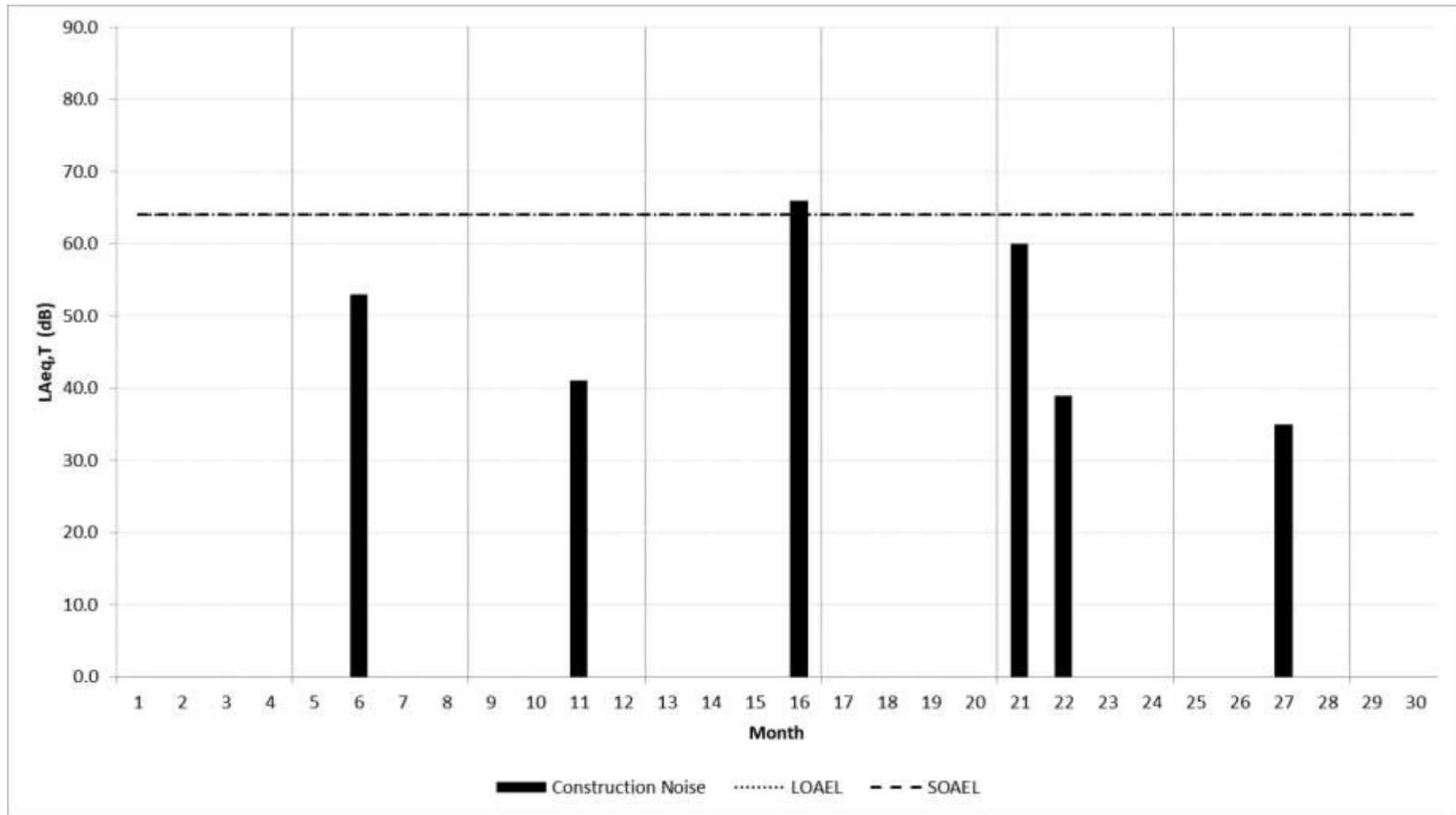


Figure A.11.3.29: R10 - Cannock Road, Featherstone (North) – Evening/Weekend, Ground Floor



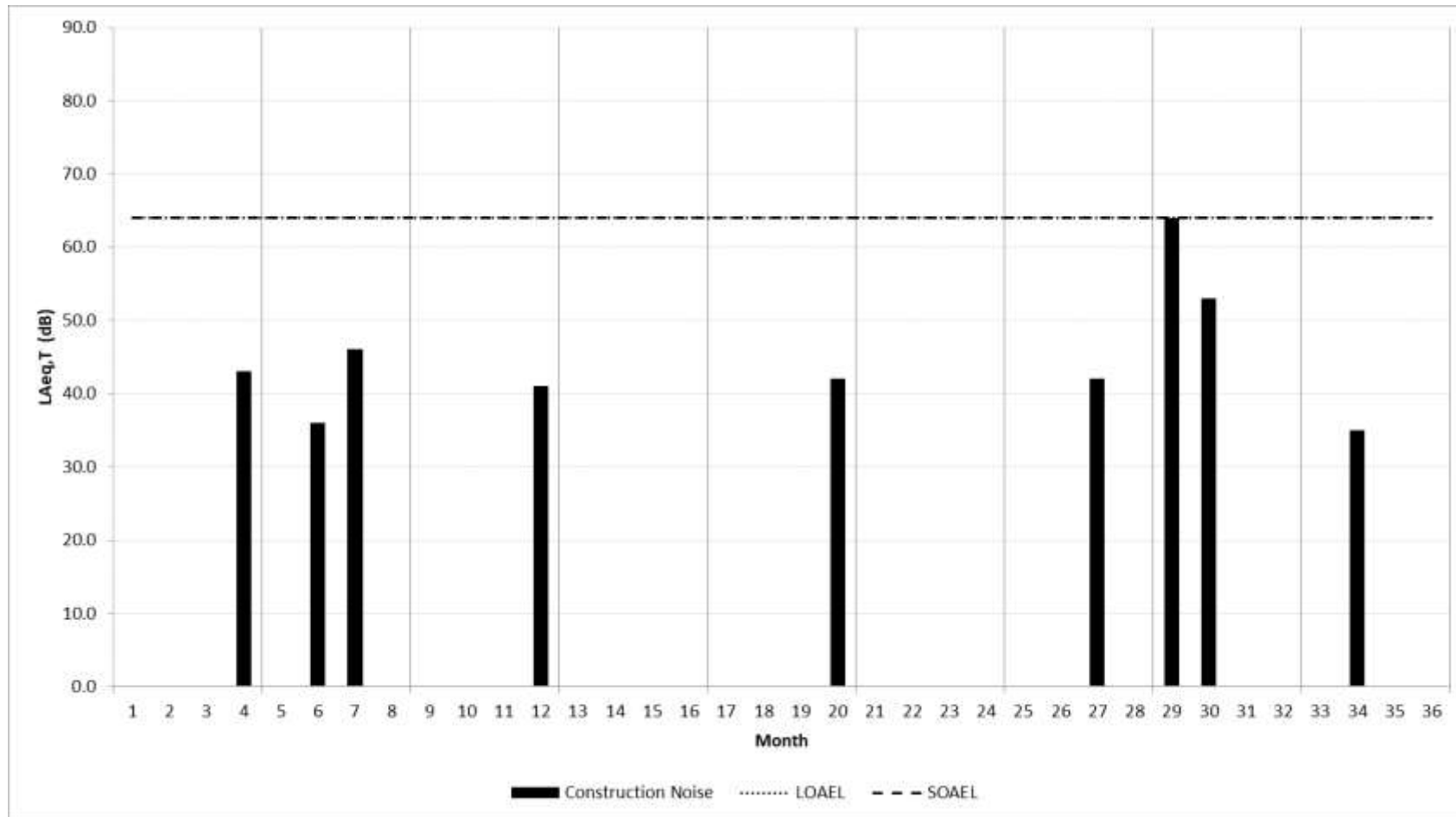
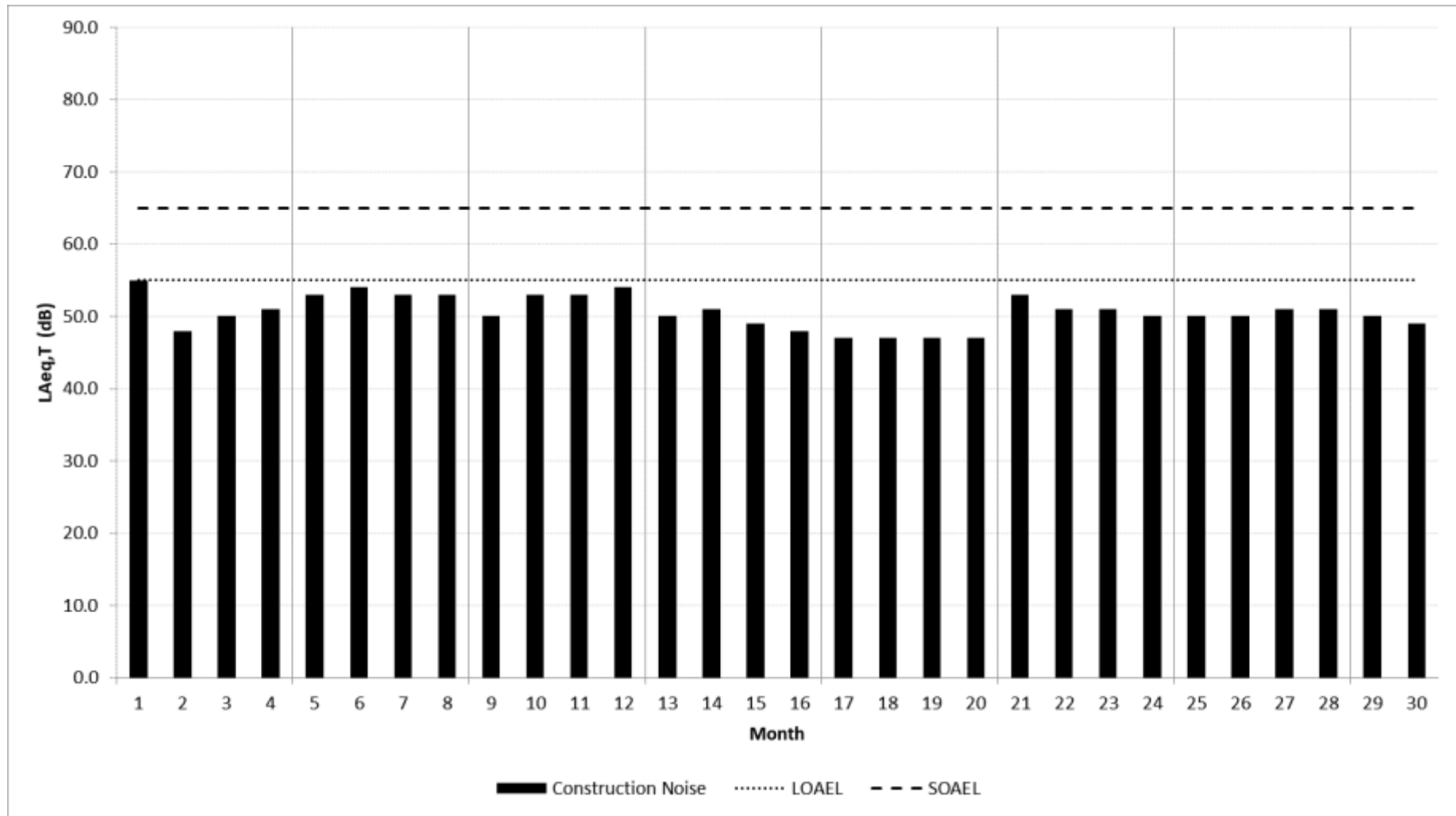


Figure A.11.3.30: R10 - Cannock Road, Featherstone (North) – Night, First Floor



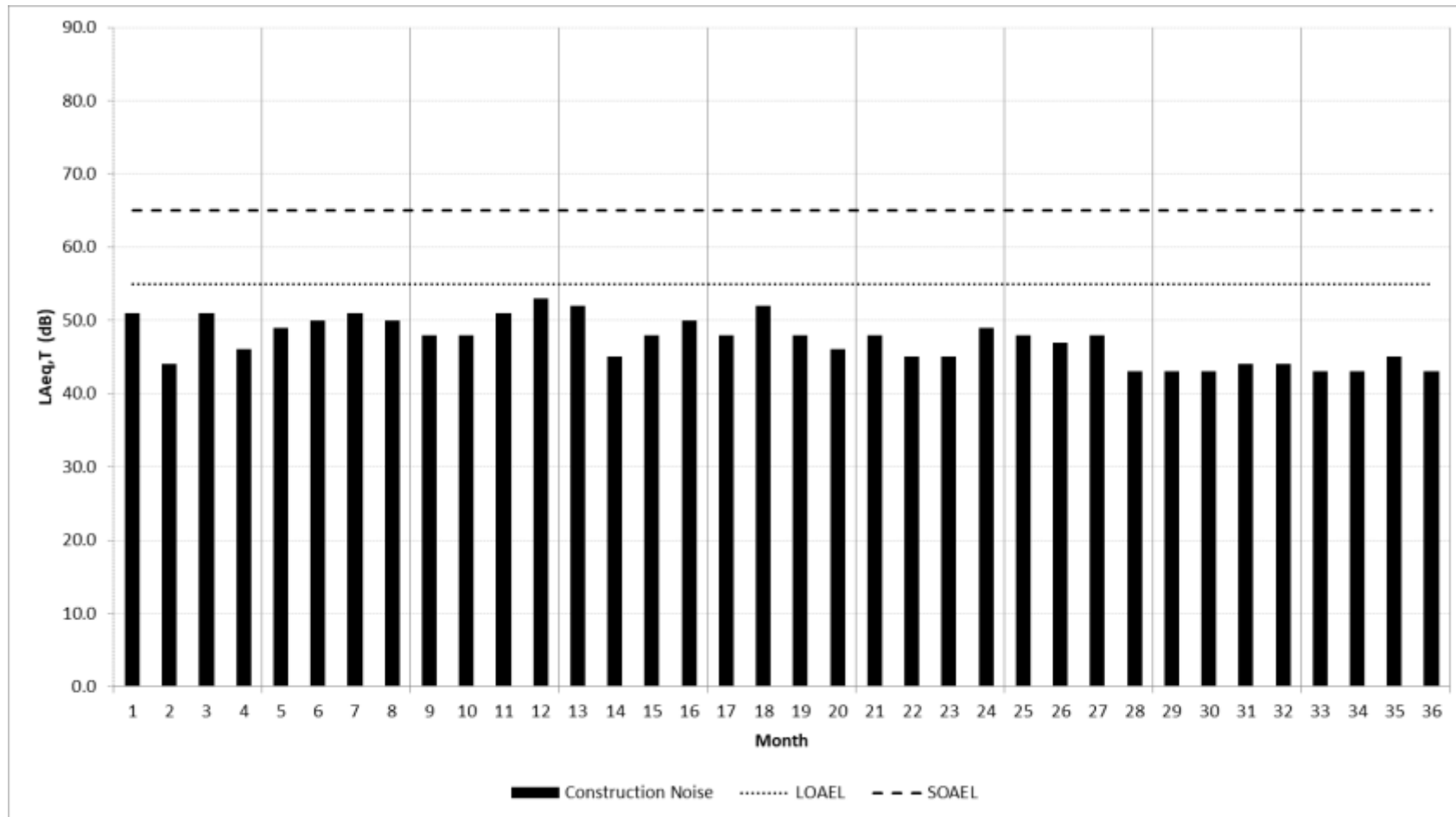
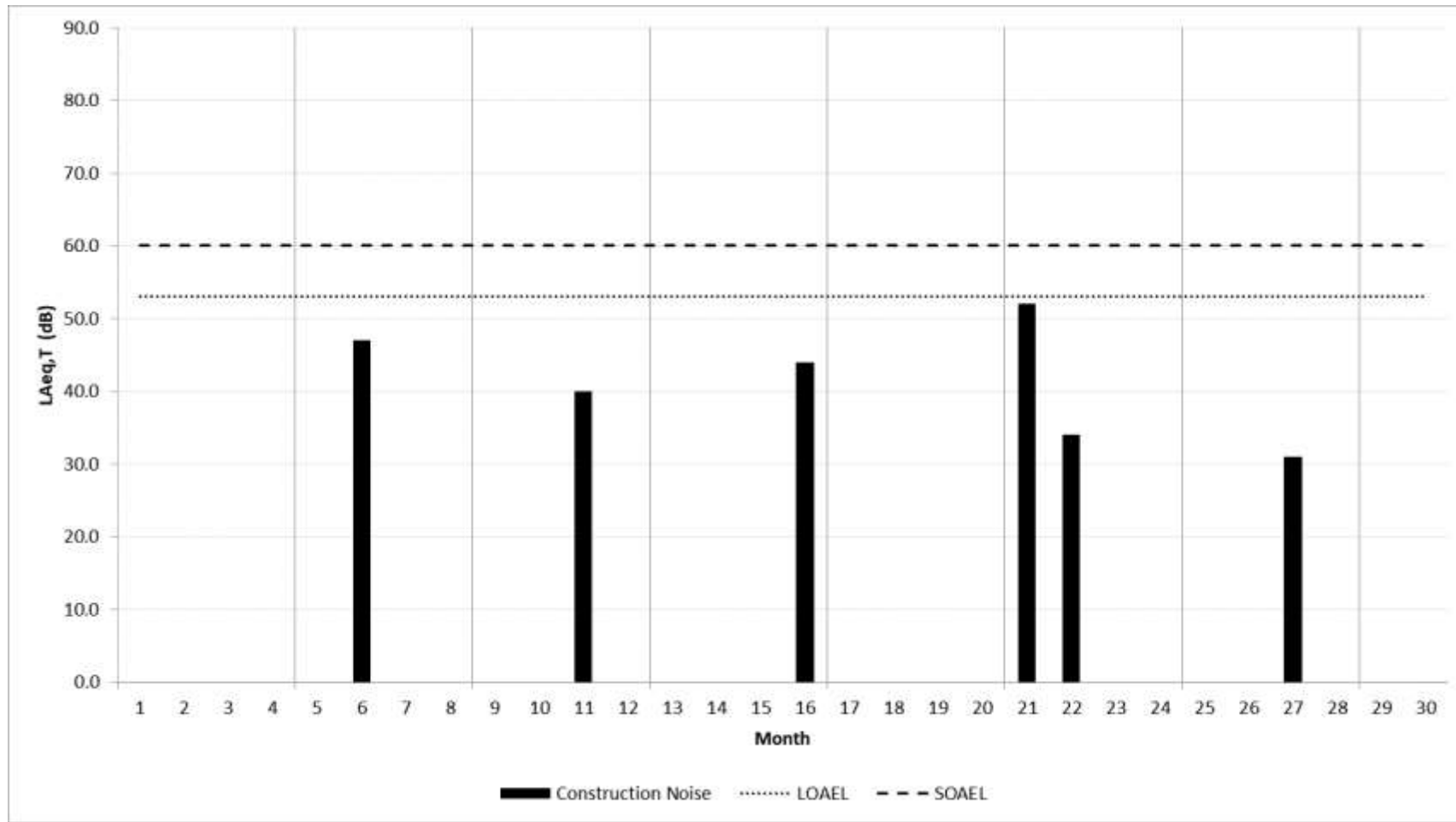


Figure A.11.3.31: R11 - Hilton Road, Featherstone – Day, Ground Floor



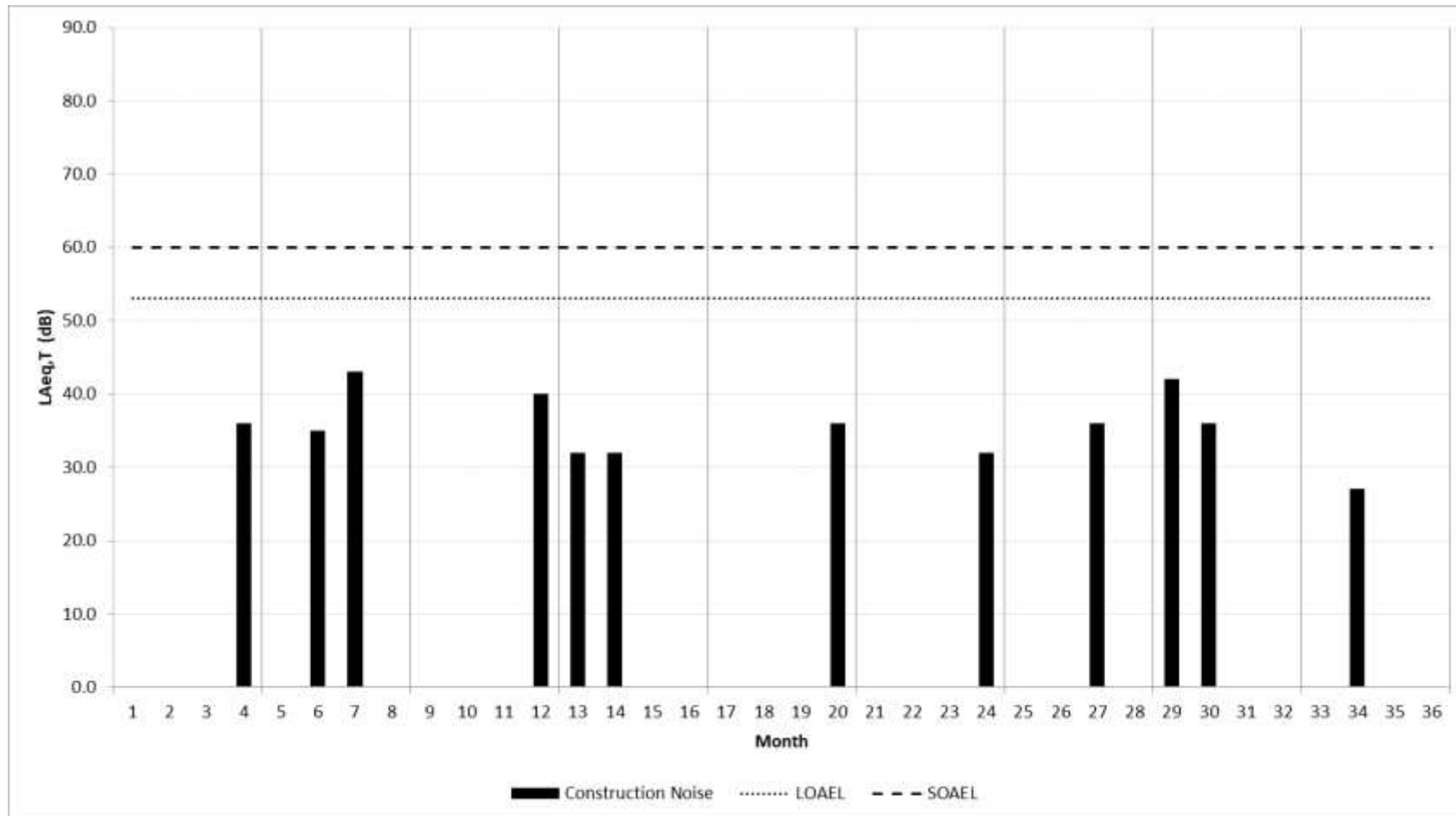
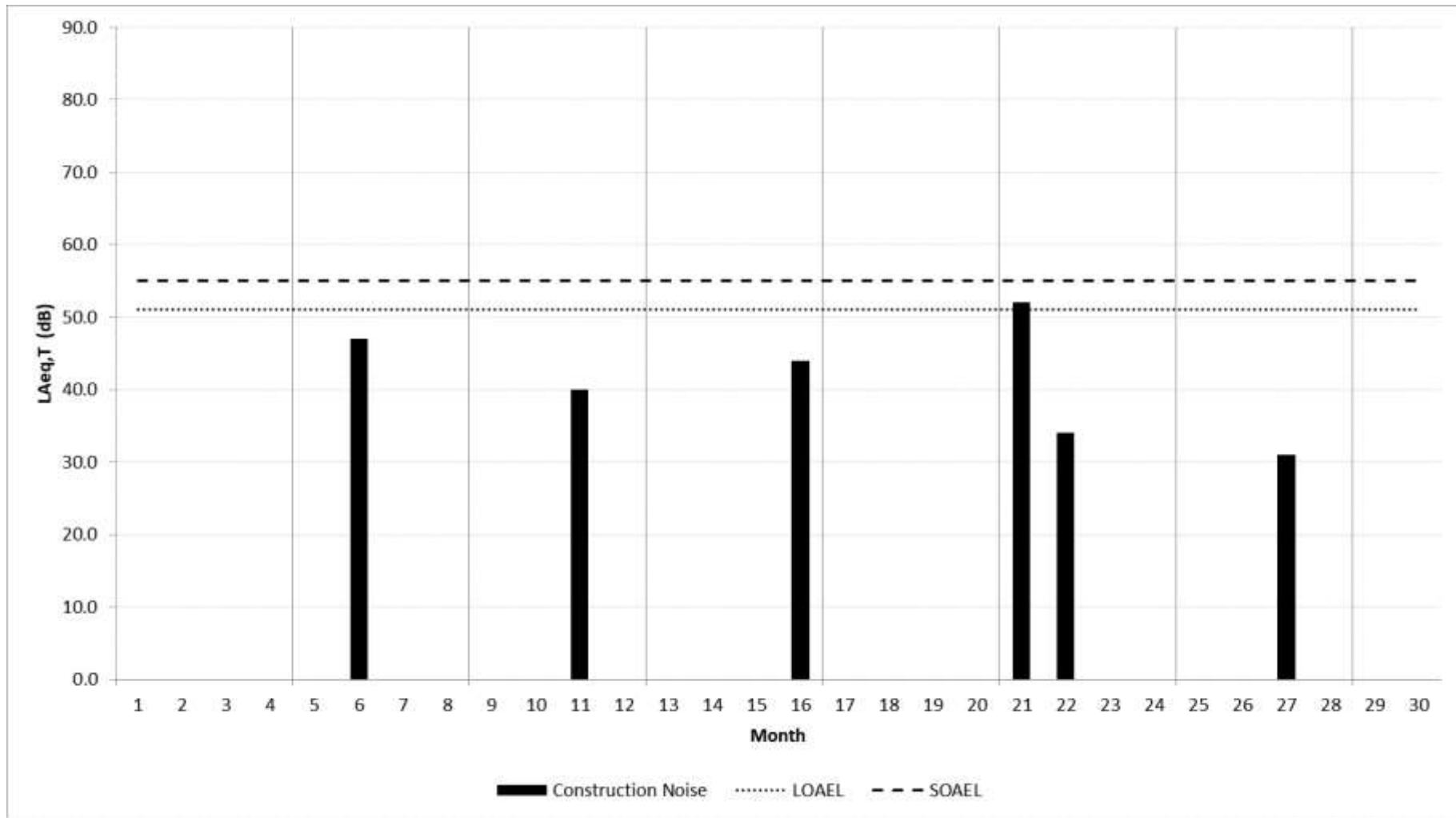


Figure A.11.3.32: R11 - Hilton Road, Featherstone – Evening/Weekend, Ground Floor



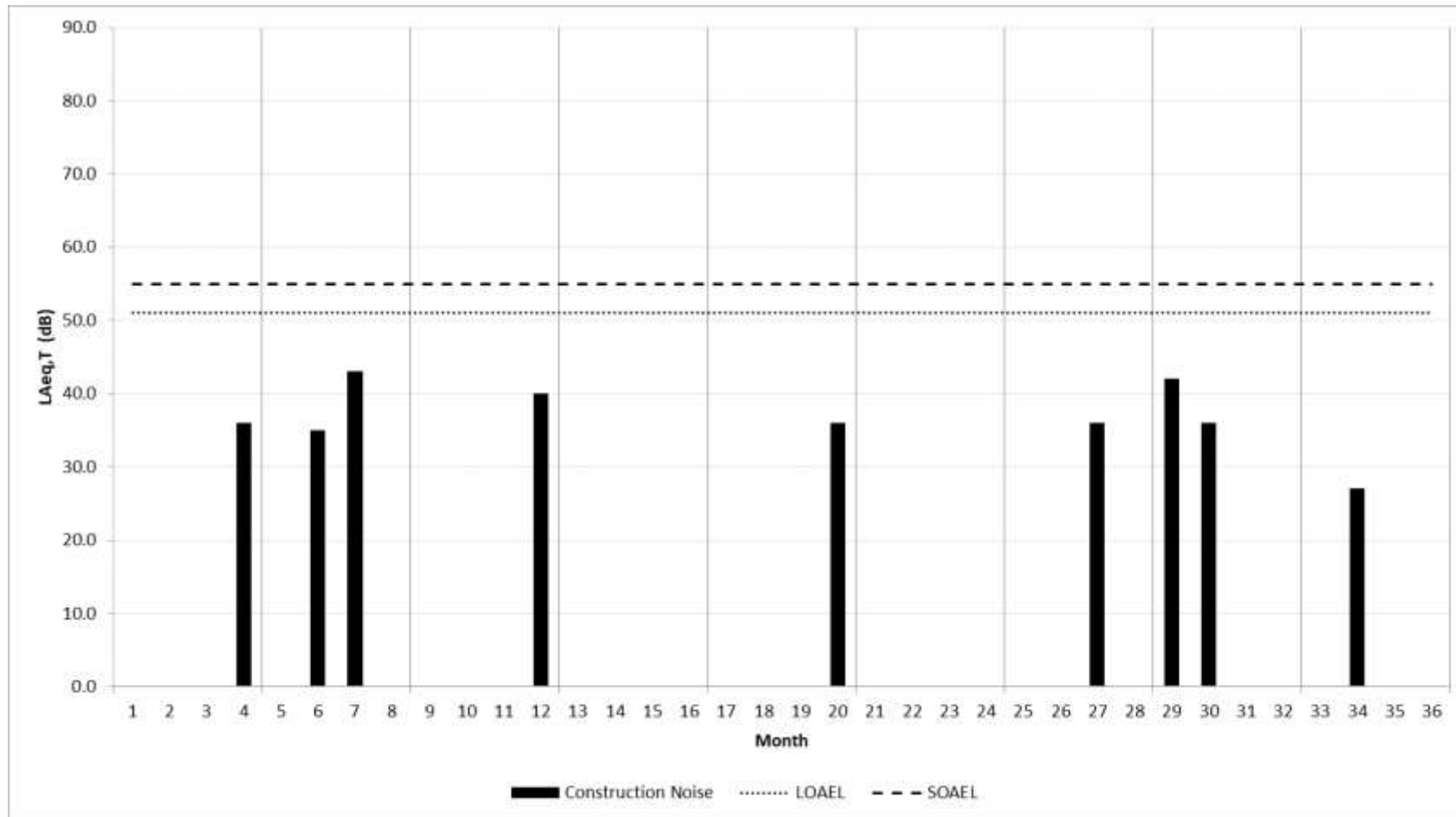
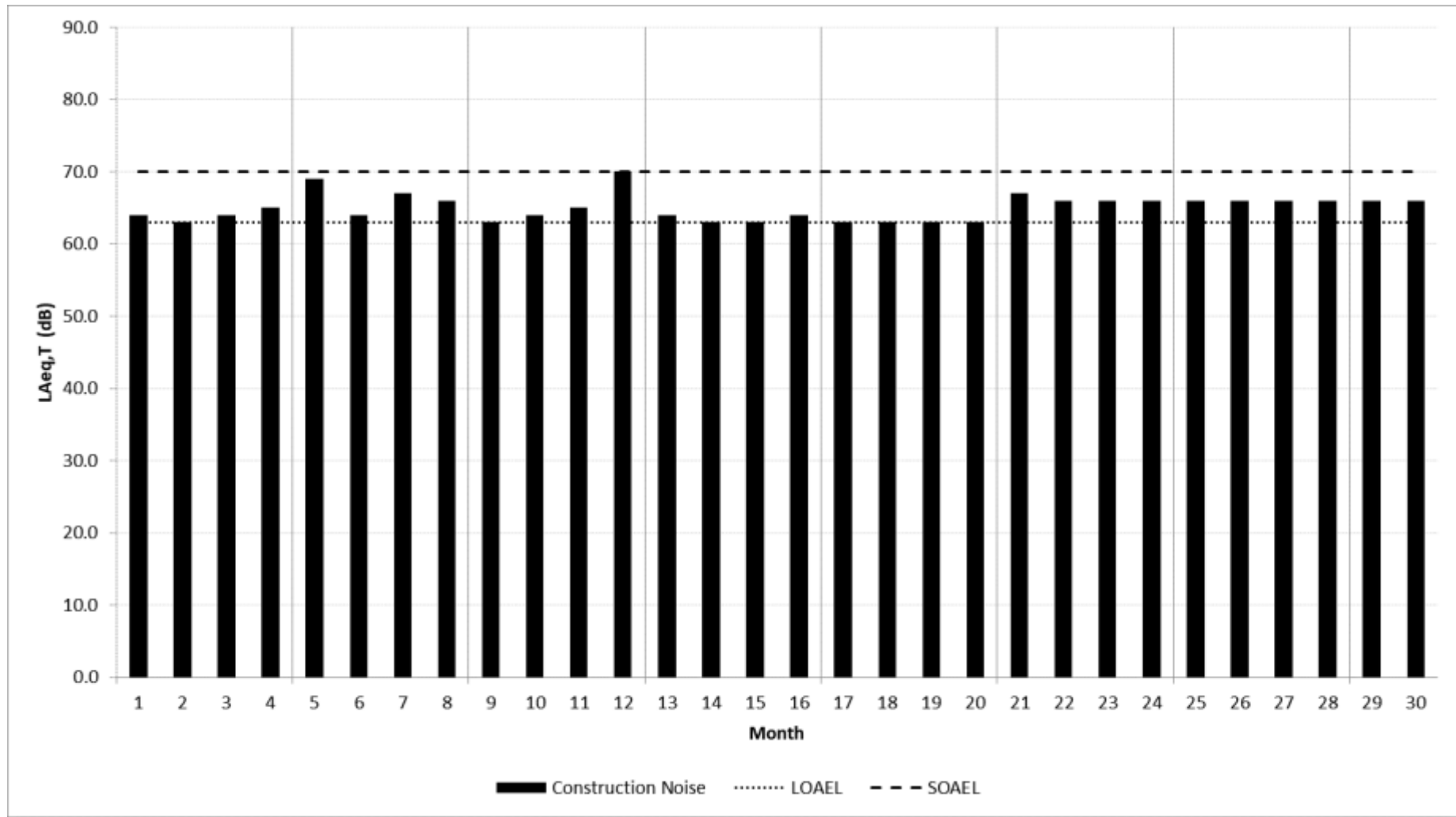


Figure A.11.3.33: R11 - Hilton Road, Featherstone – Night, Ground Floor



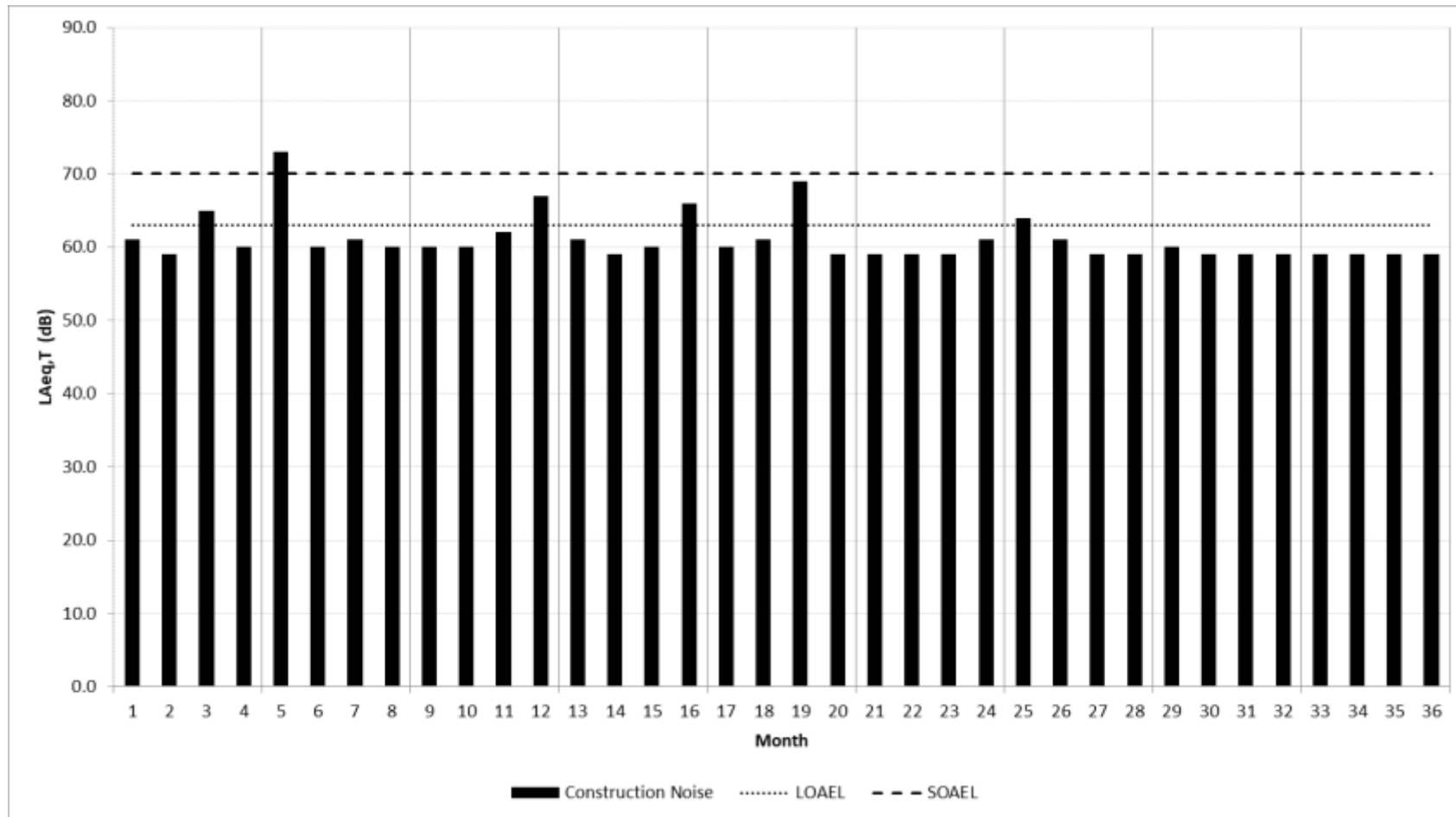
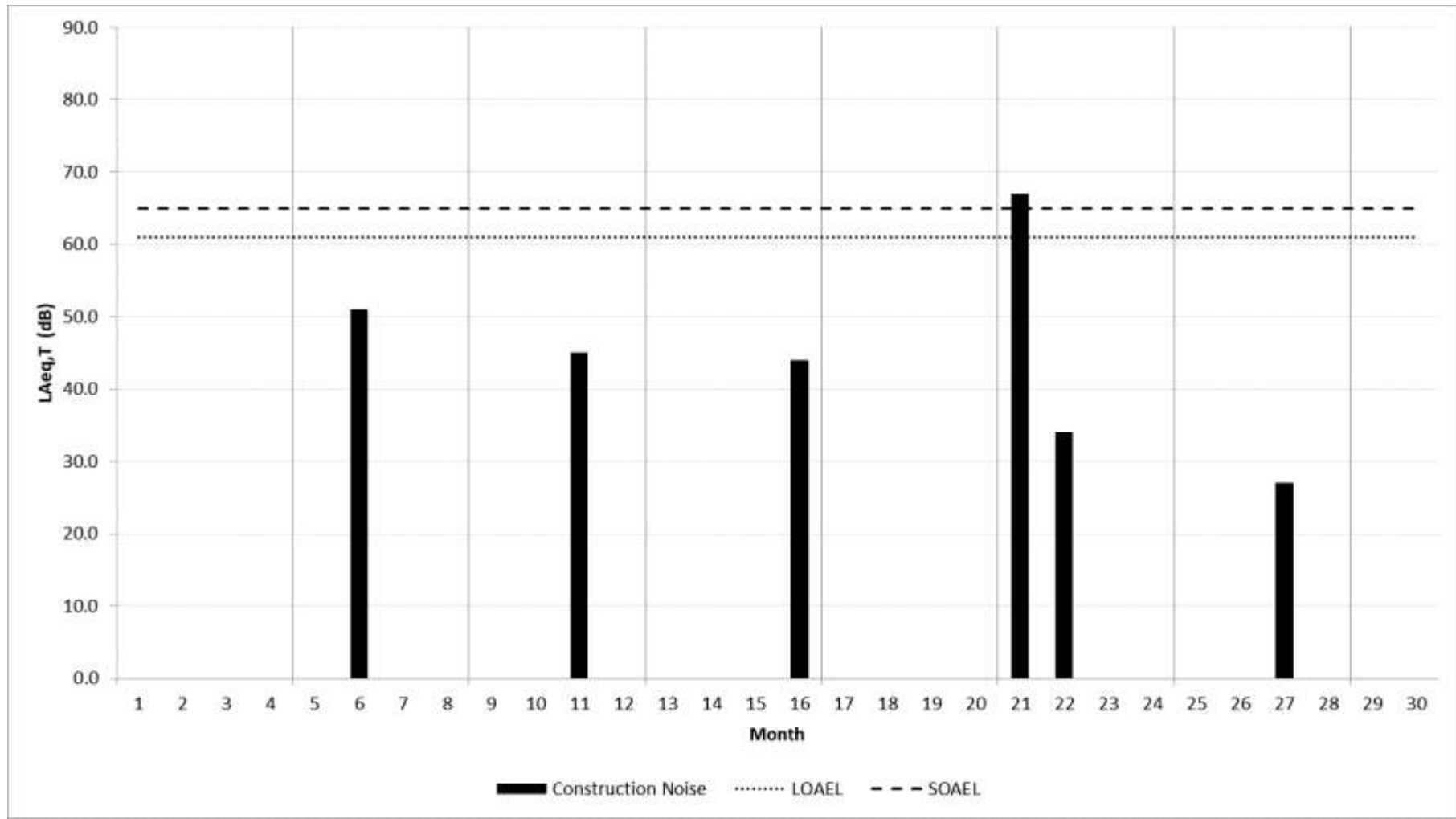


Figure A.11.3.34: R12 - Dark Lane, Featherstone – Day, Ground Floor



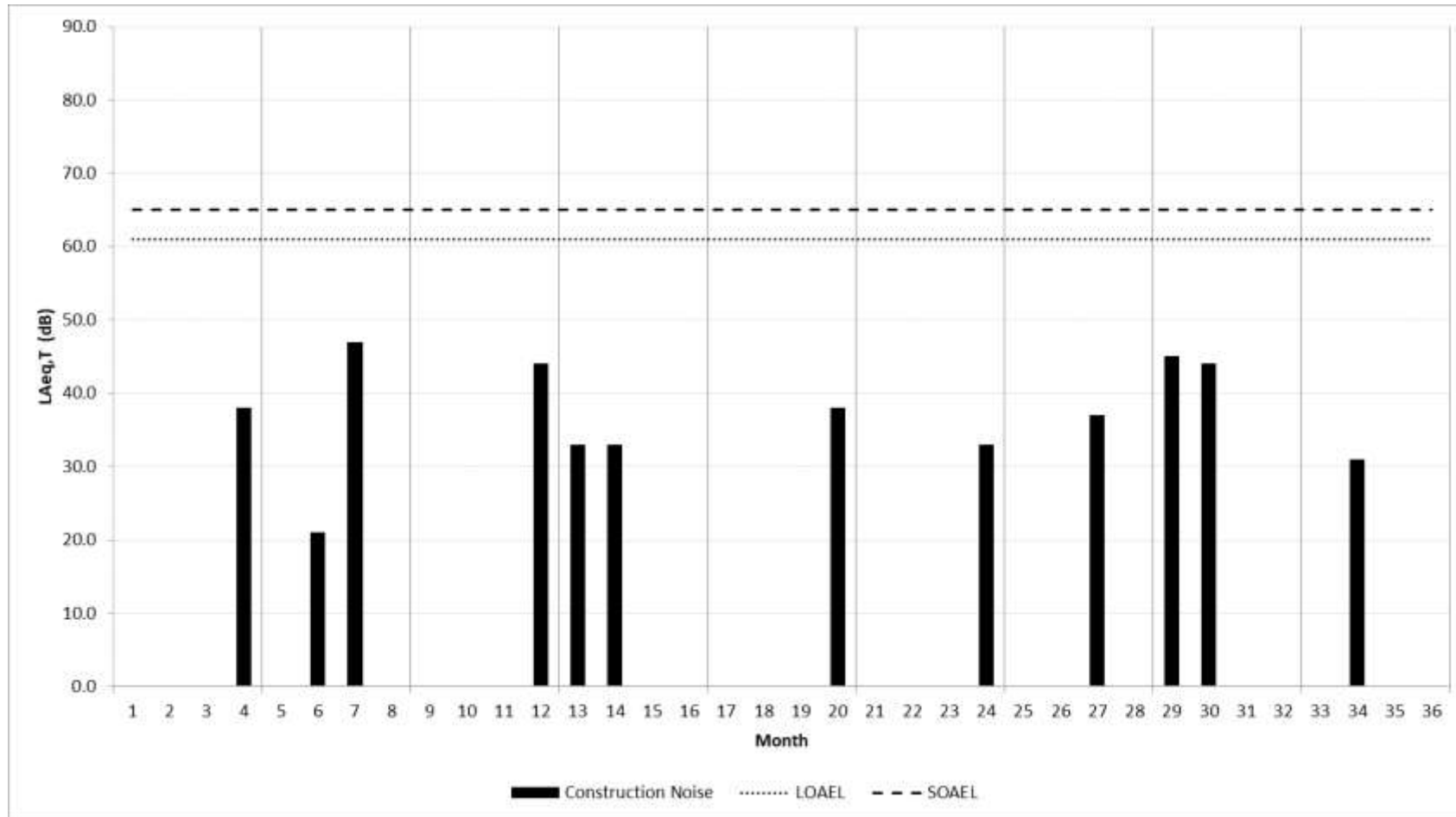
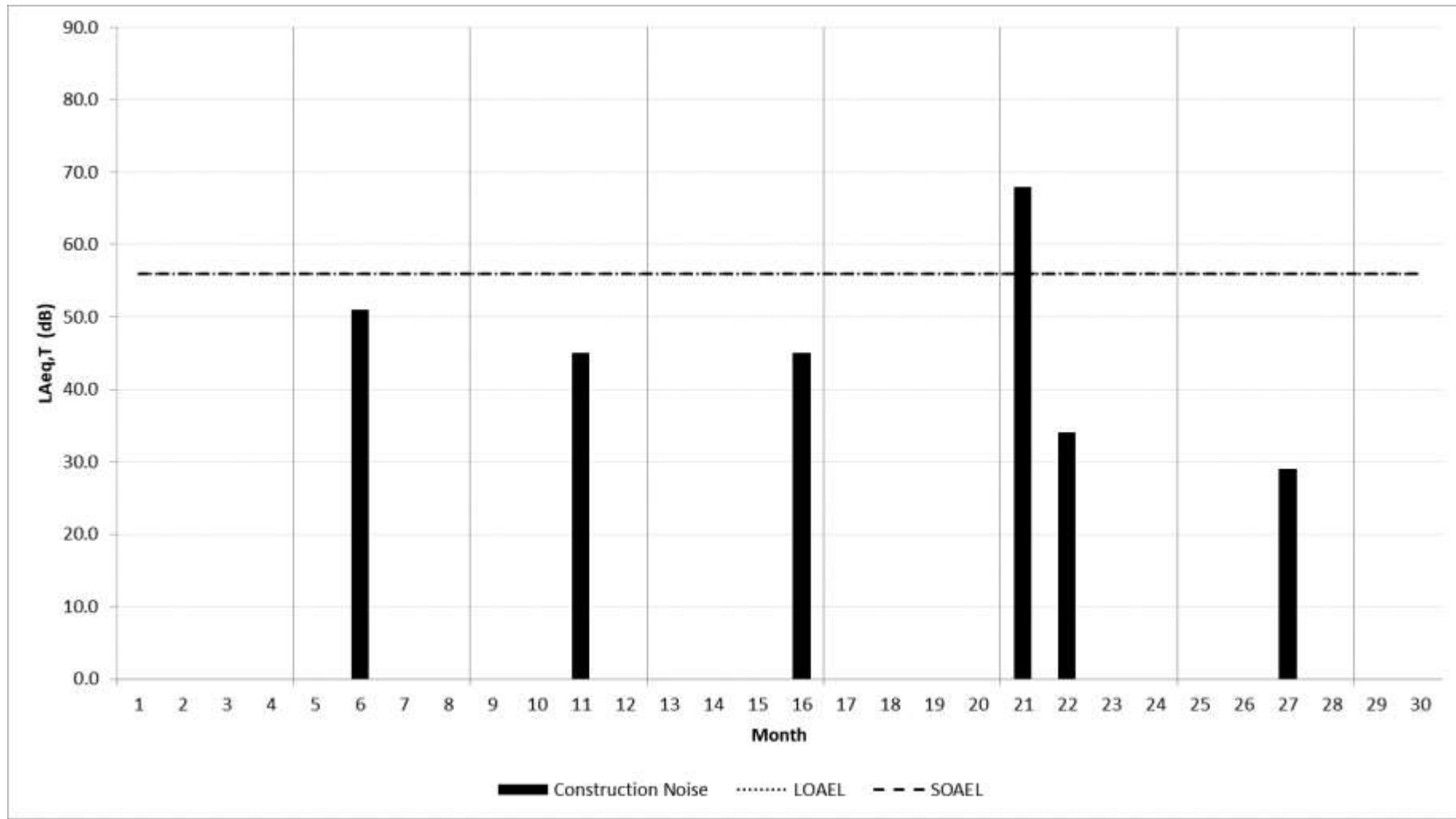


Figure A.11.3.35: R12 - Dark Lane, Featherstone – Evening/Weekend, Ground Floor



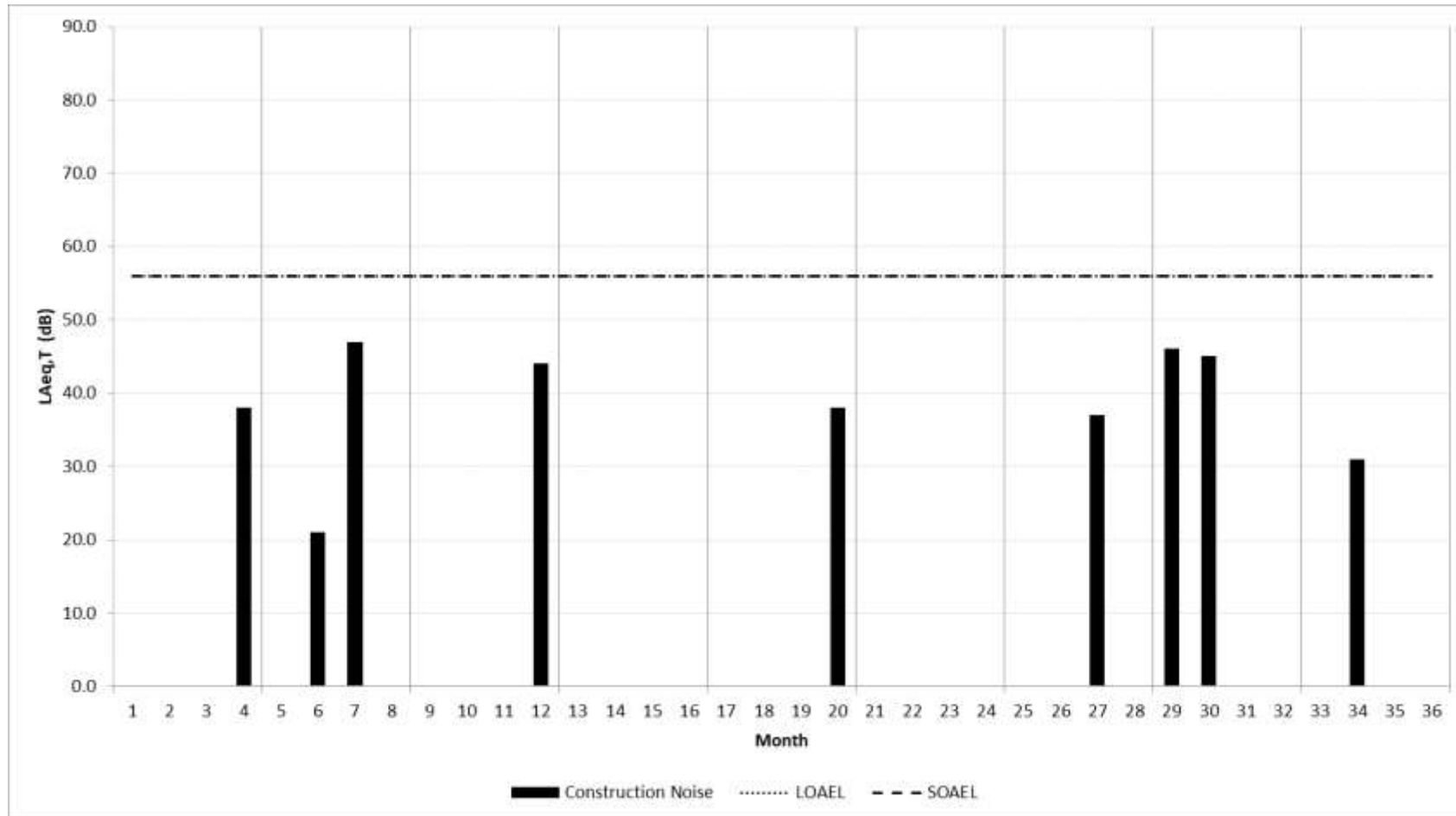
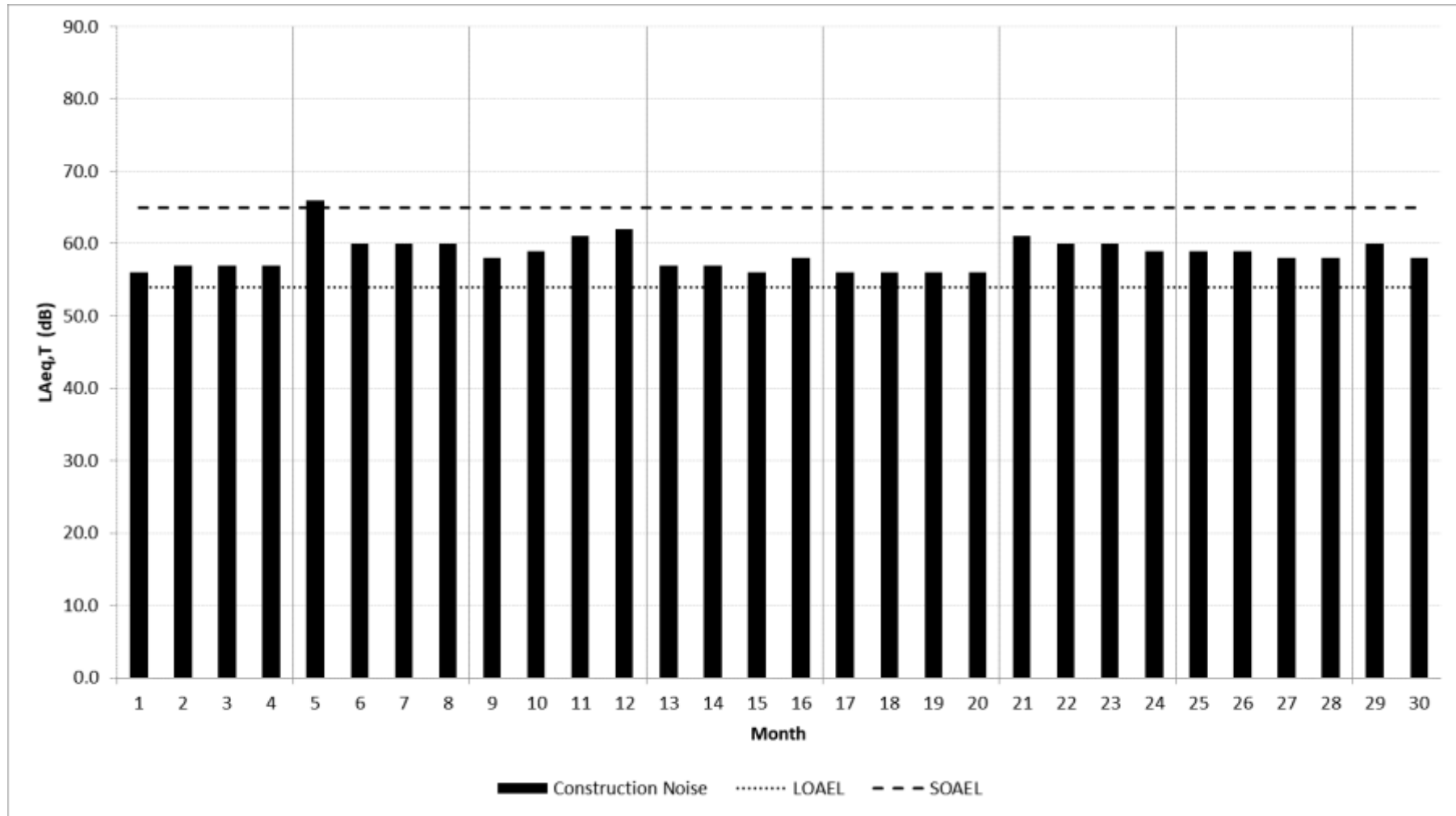


Figure A.11.3.36: R12 - Dark Lane, Featherstone – Night, First Floor



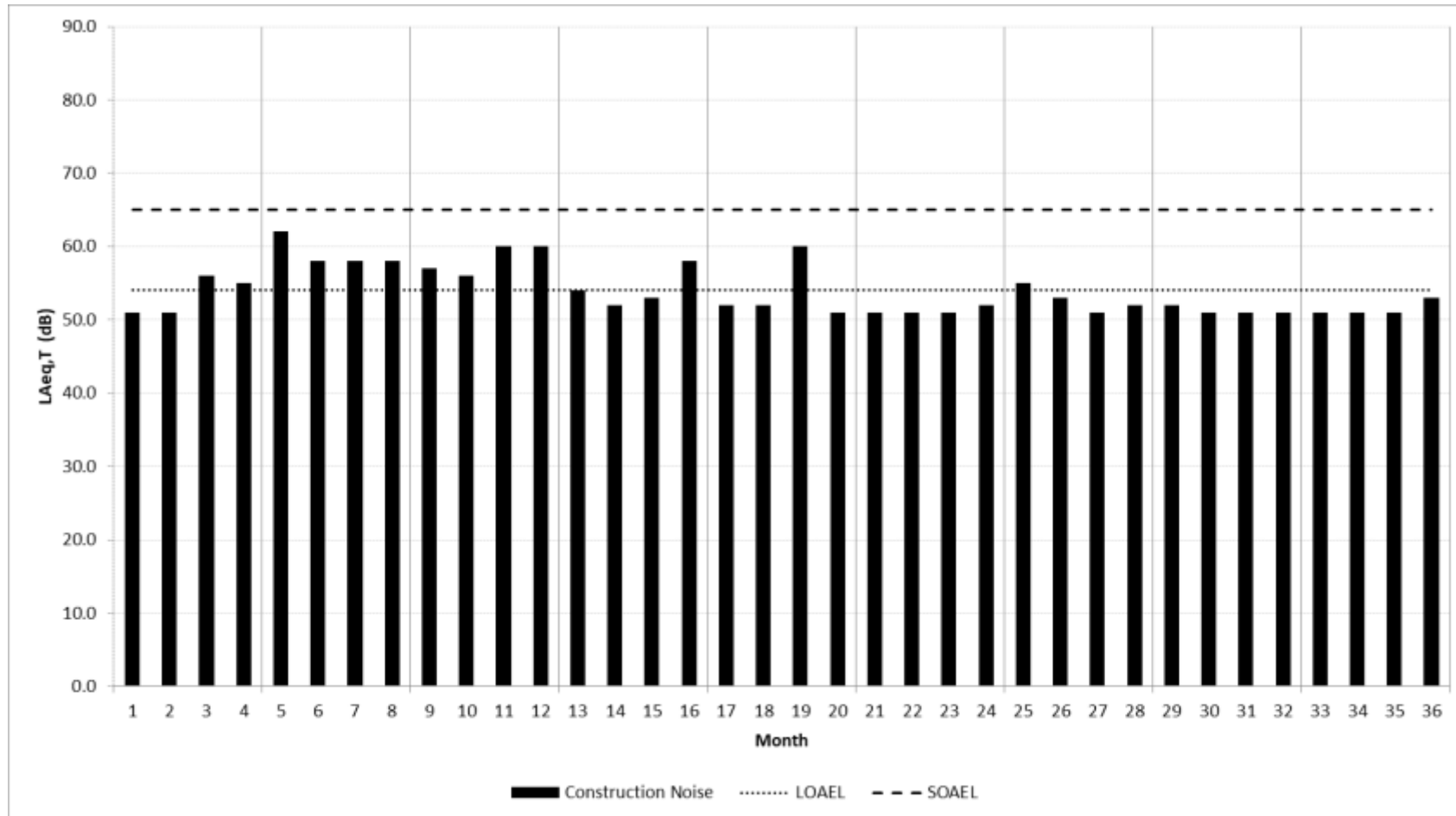
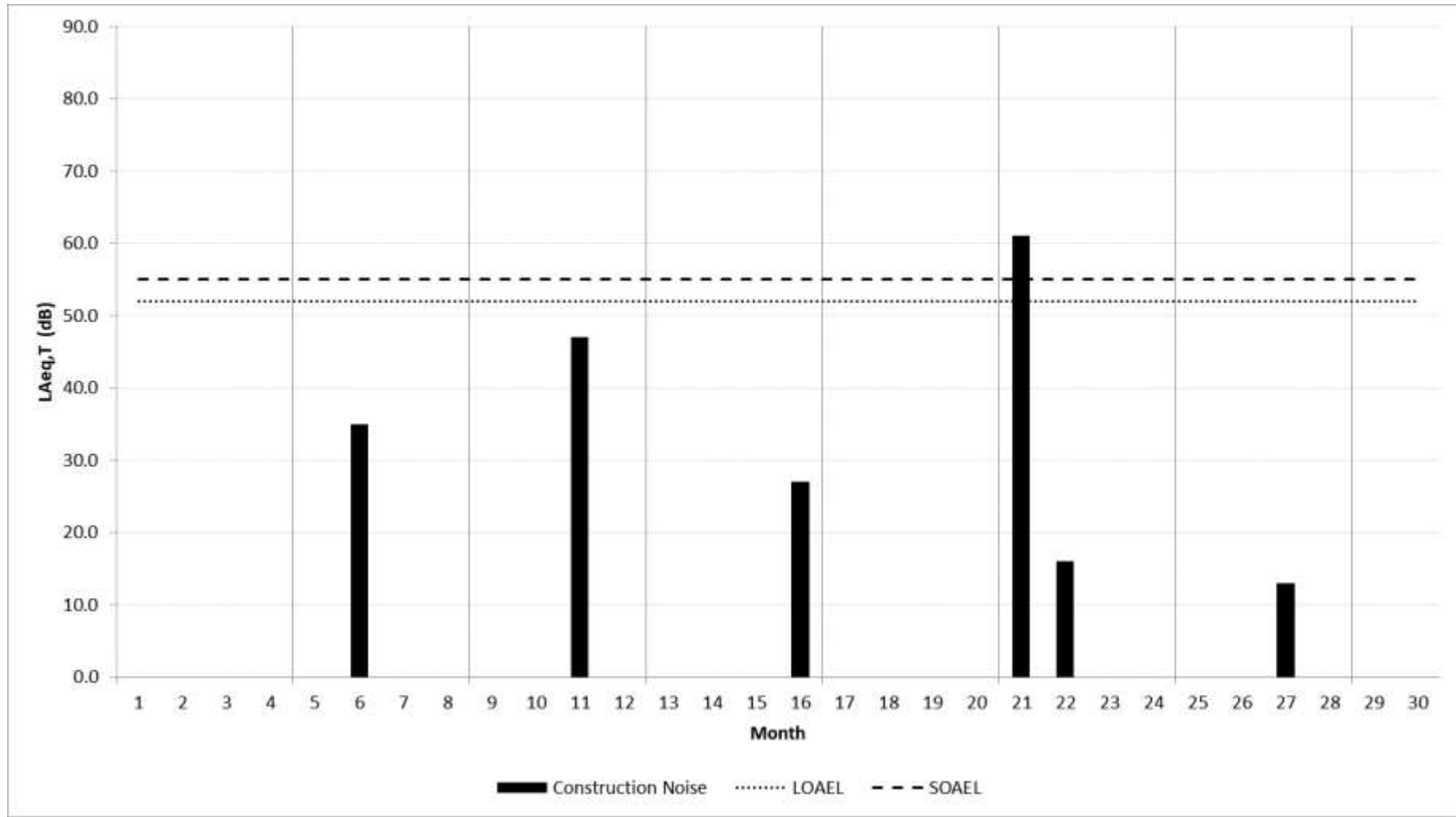


Figure A.11.3.37: R13 - Park Road, Featherstone – Day, Ground Floor



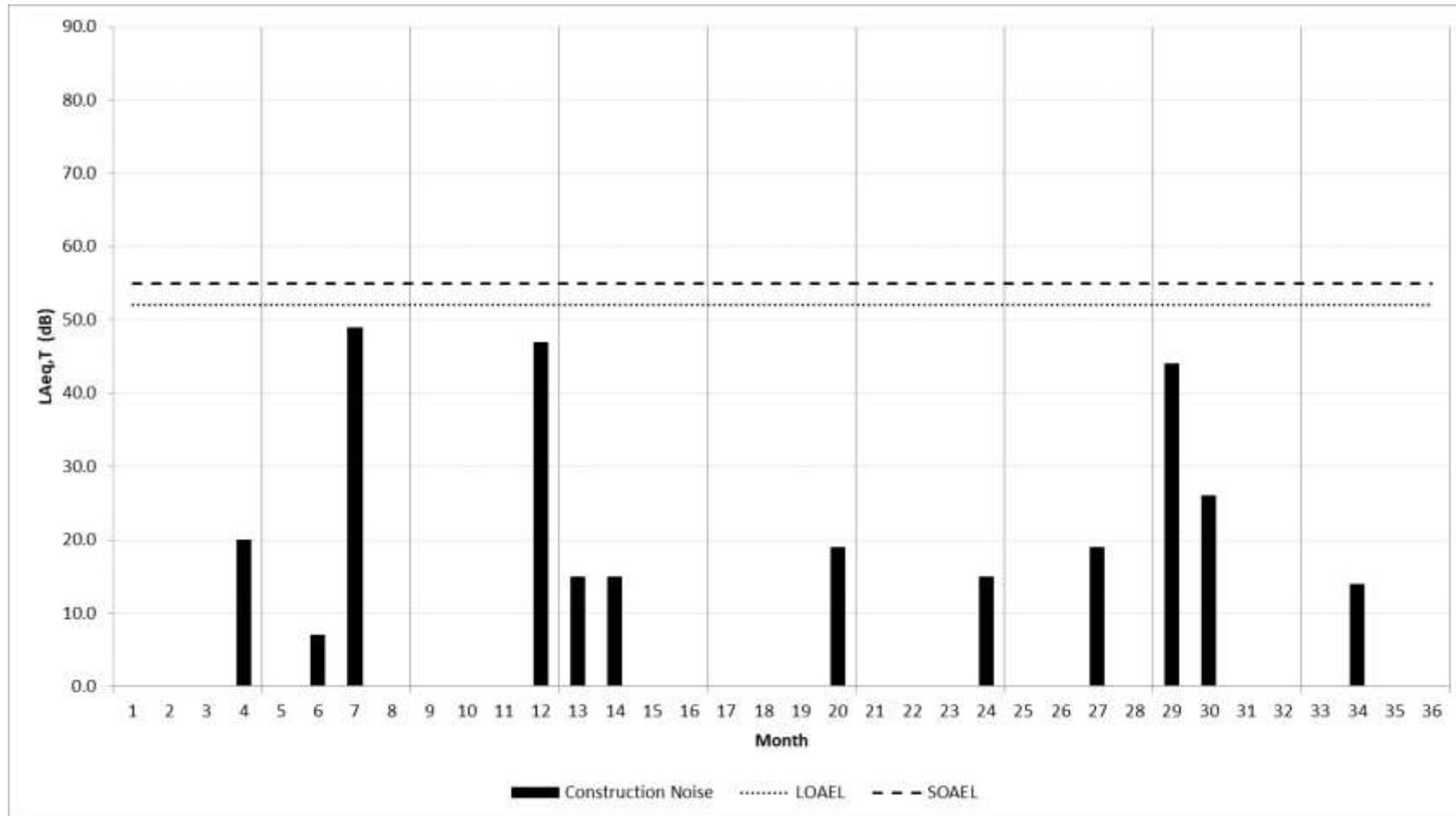
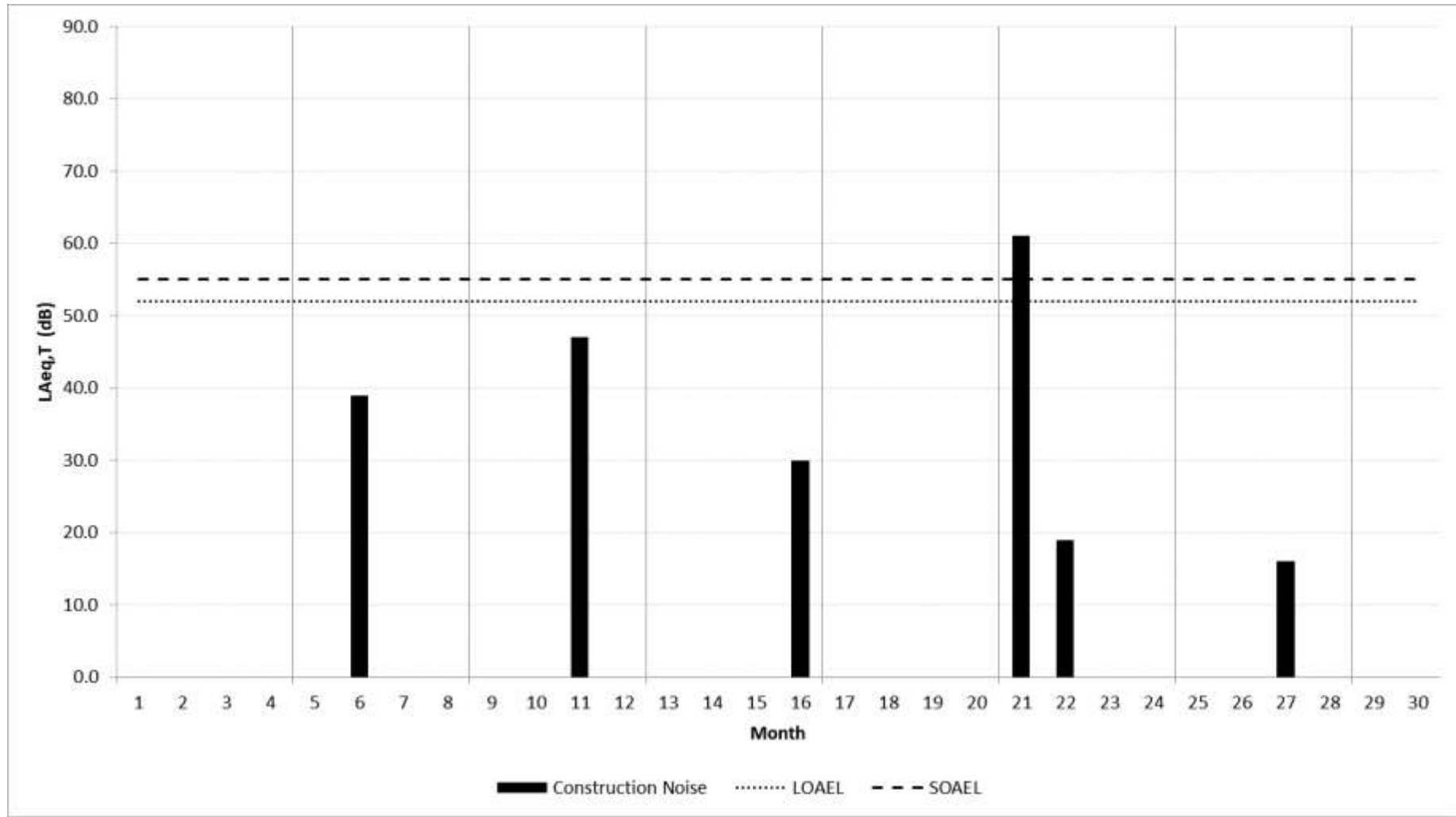


Figure A.11.3.38: R13 - Park Road, Featherstone – Evening/Weekend, Ground Floor



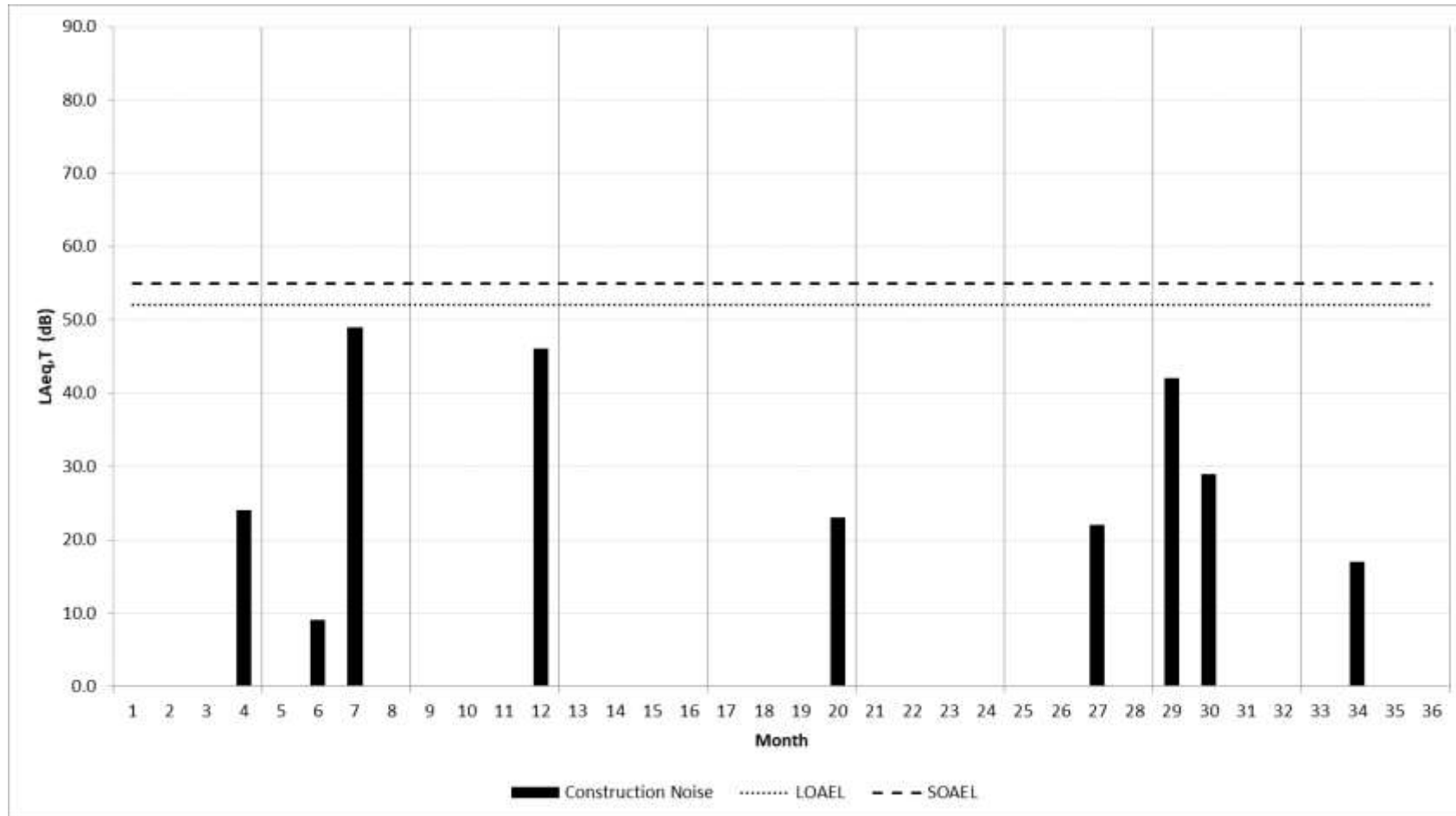
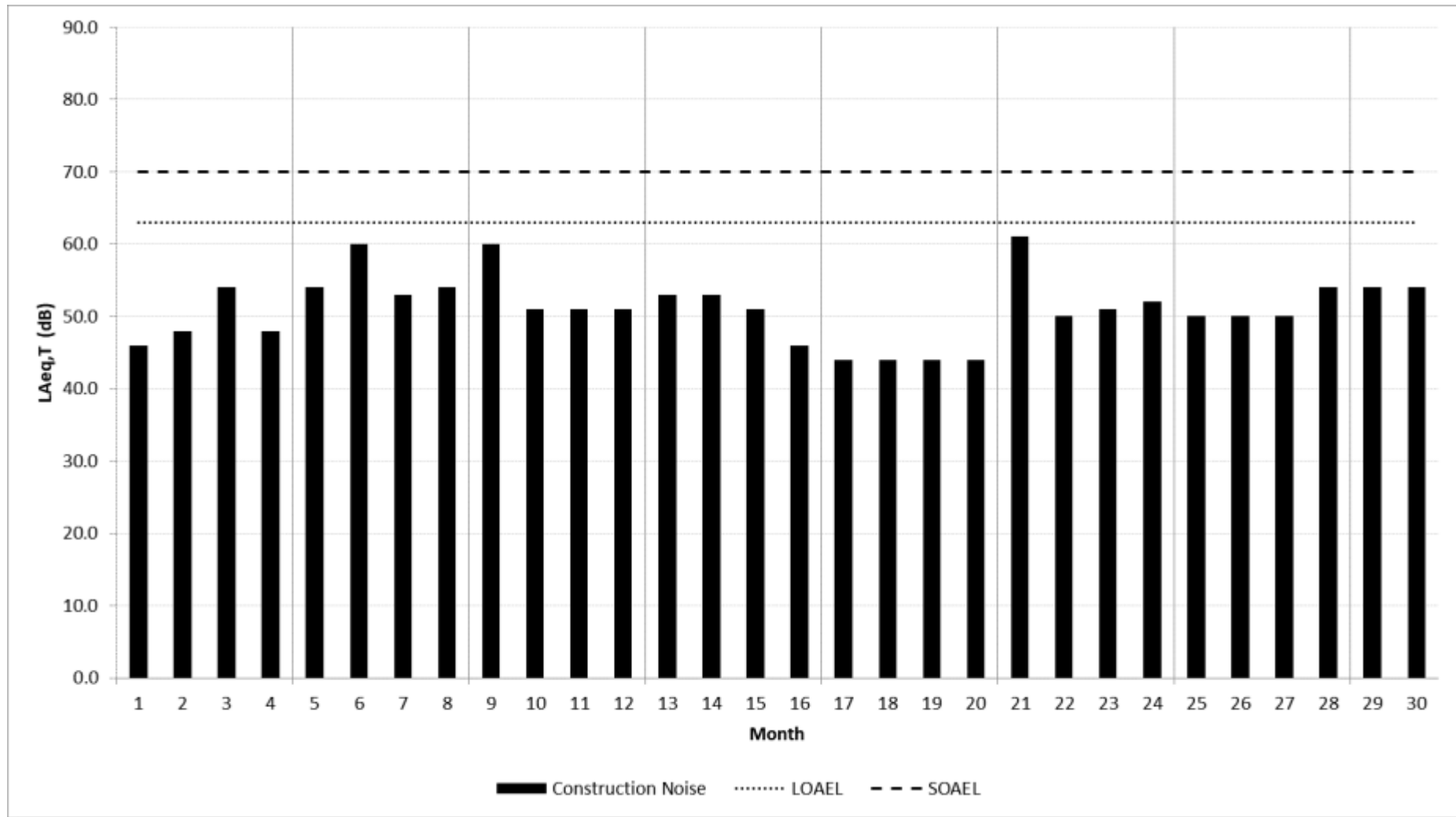


Figure A.11.3.39: R13 - Park Road, Featherstone – Night, First Floor



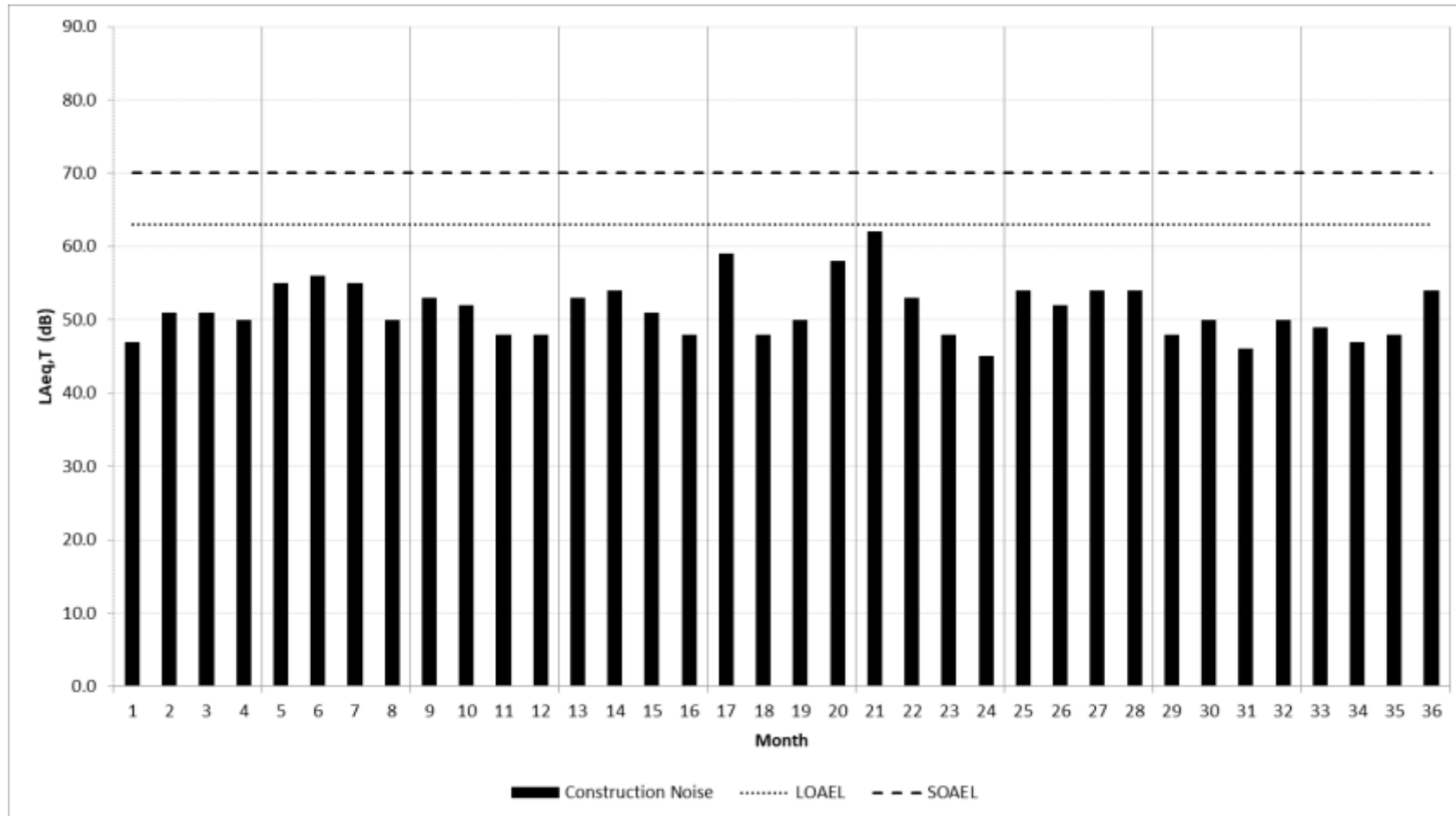
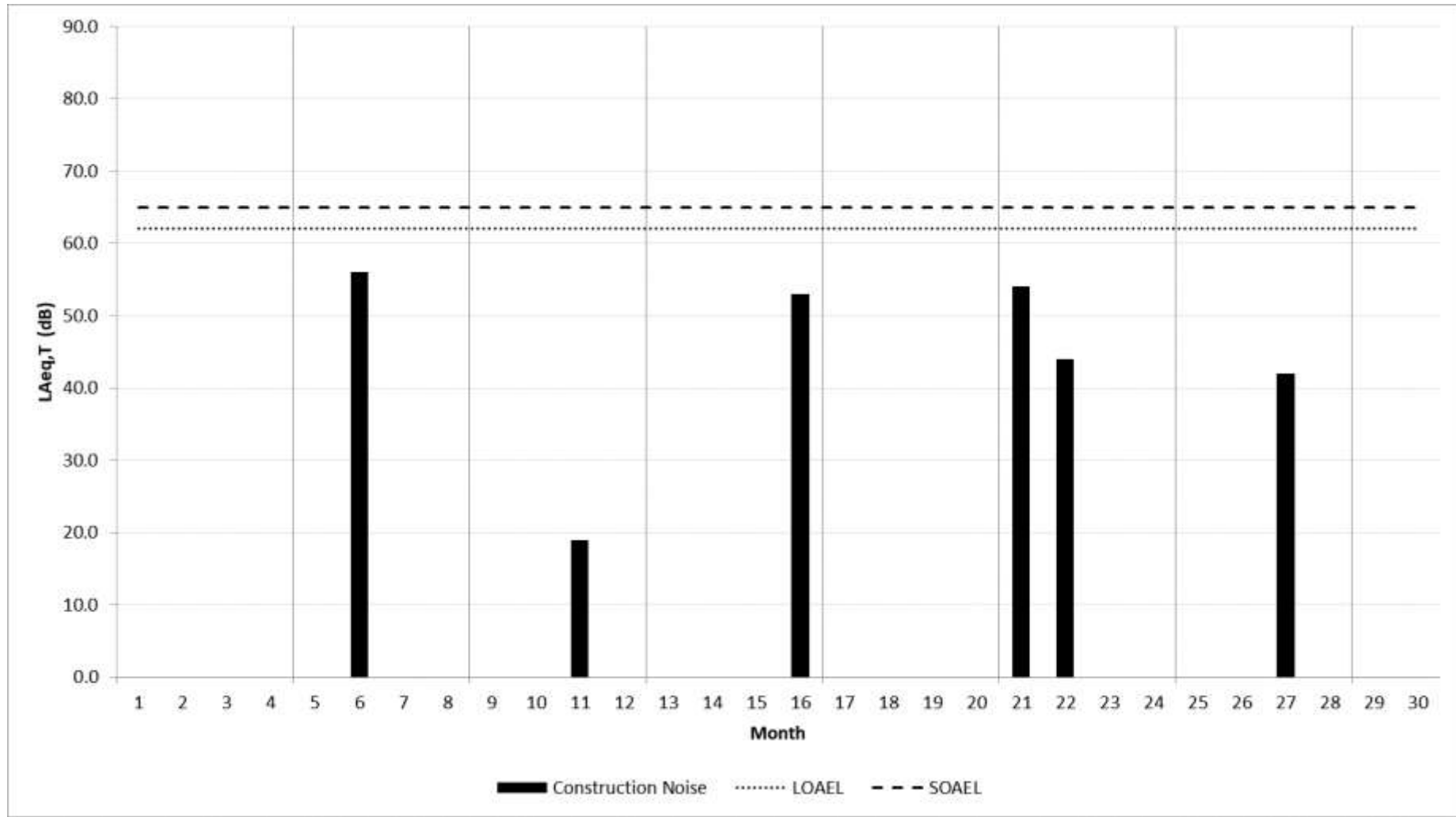


Figure A.11.3.40: R14 - Tower House Farm, Hilton Lane, Hilton – Day, Ground Floor



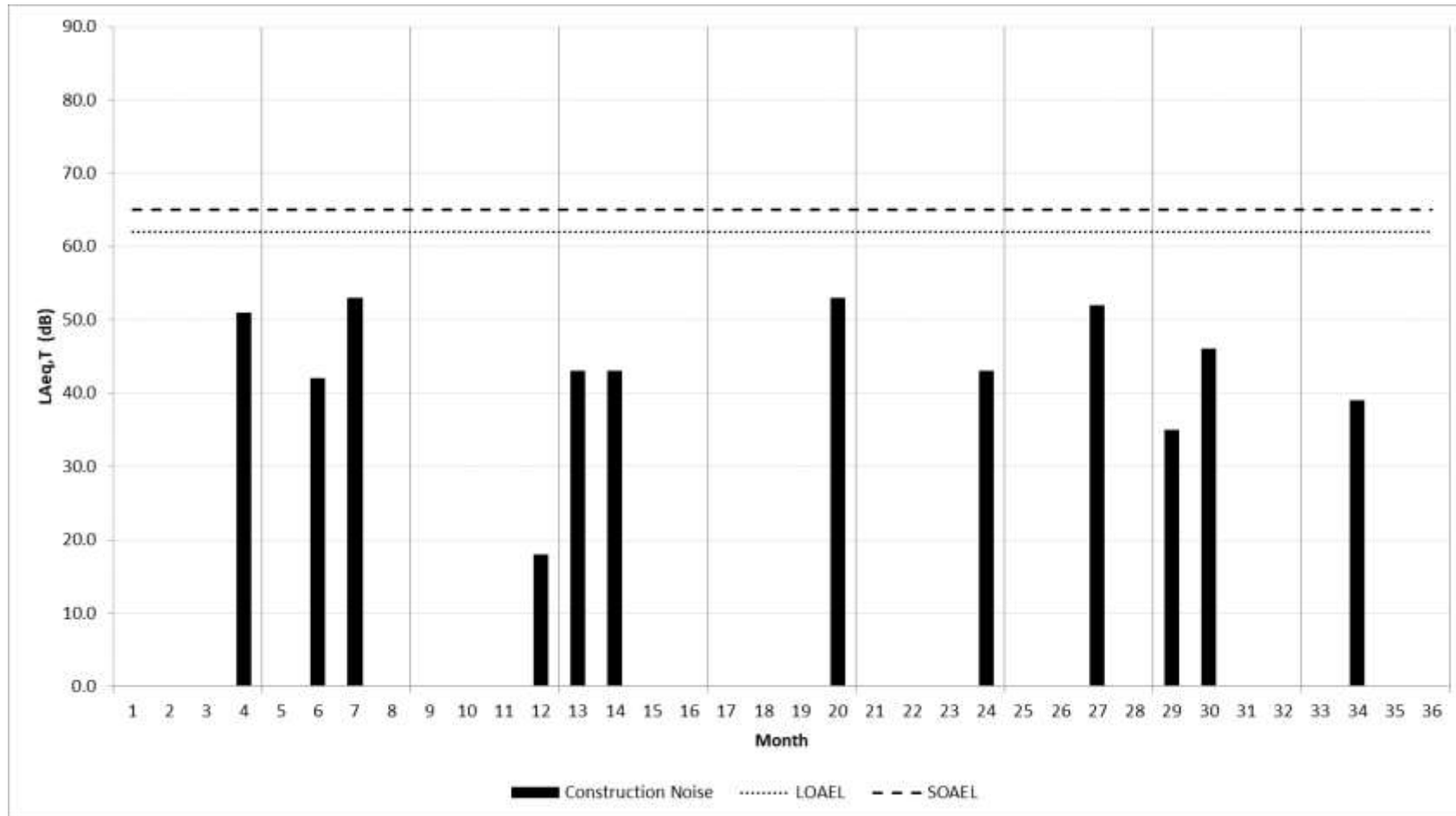
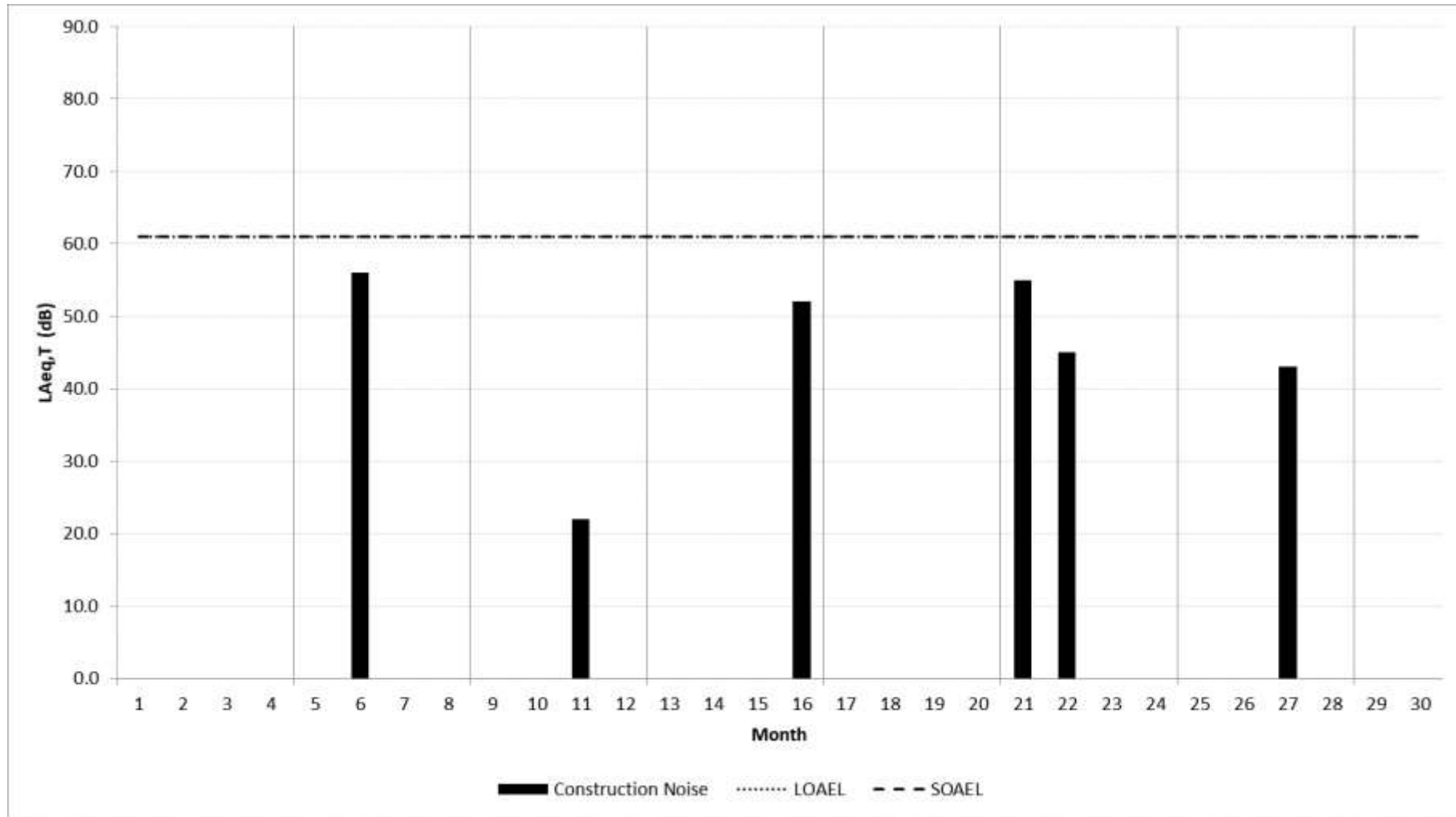


Figure A.11.3.41: R14 - Tower House Farm, Hilton Lane, Hilton – Evening/Weekend, Ground Floor



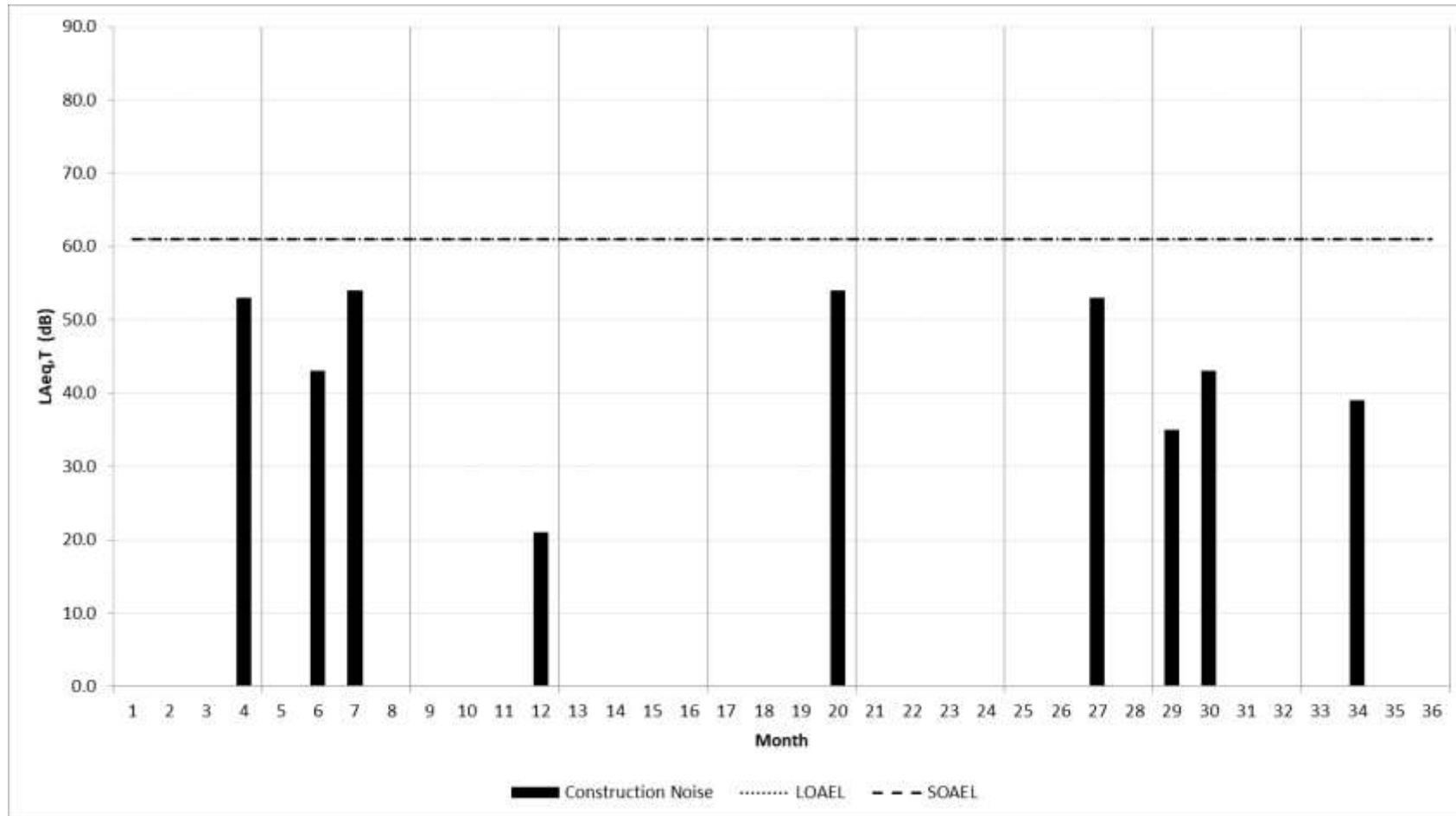
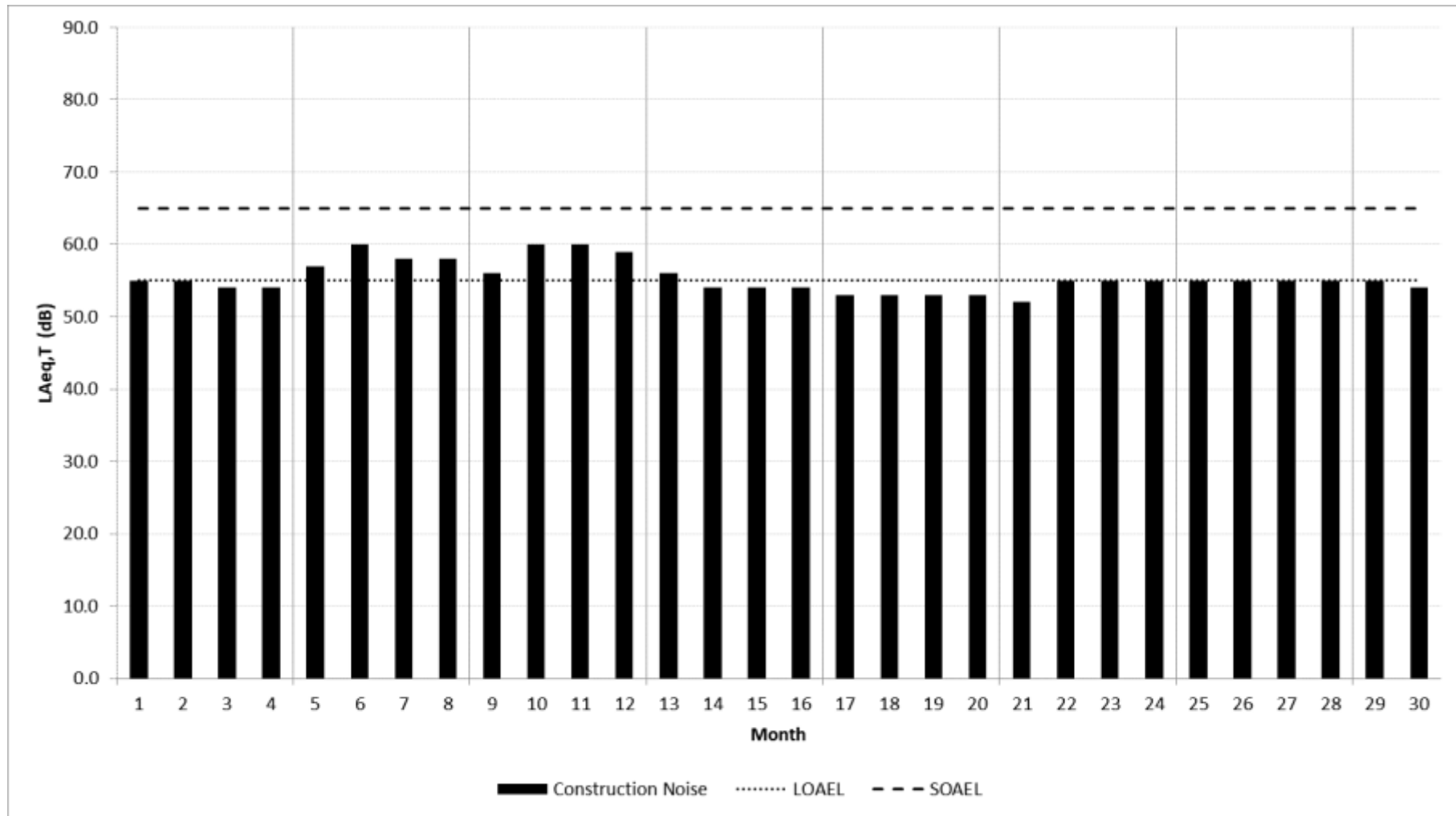


Figure A.11.3.42: R14 - Tower House Farm, Hilton Lane, Hilton – Night, First Floor



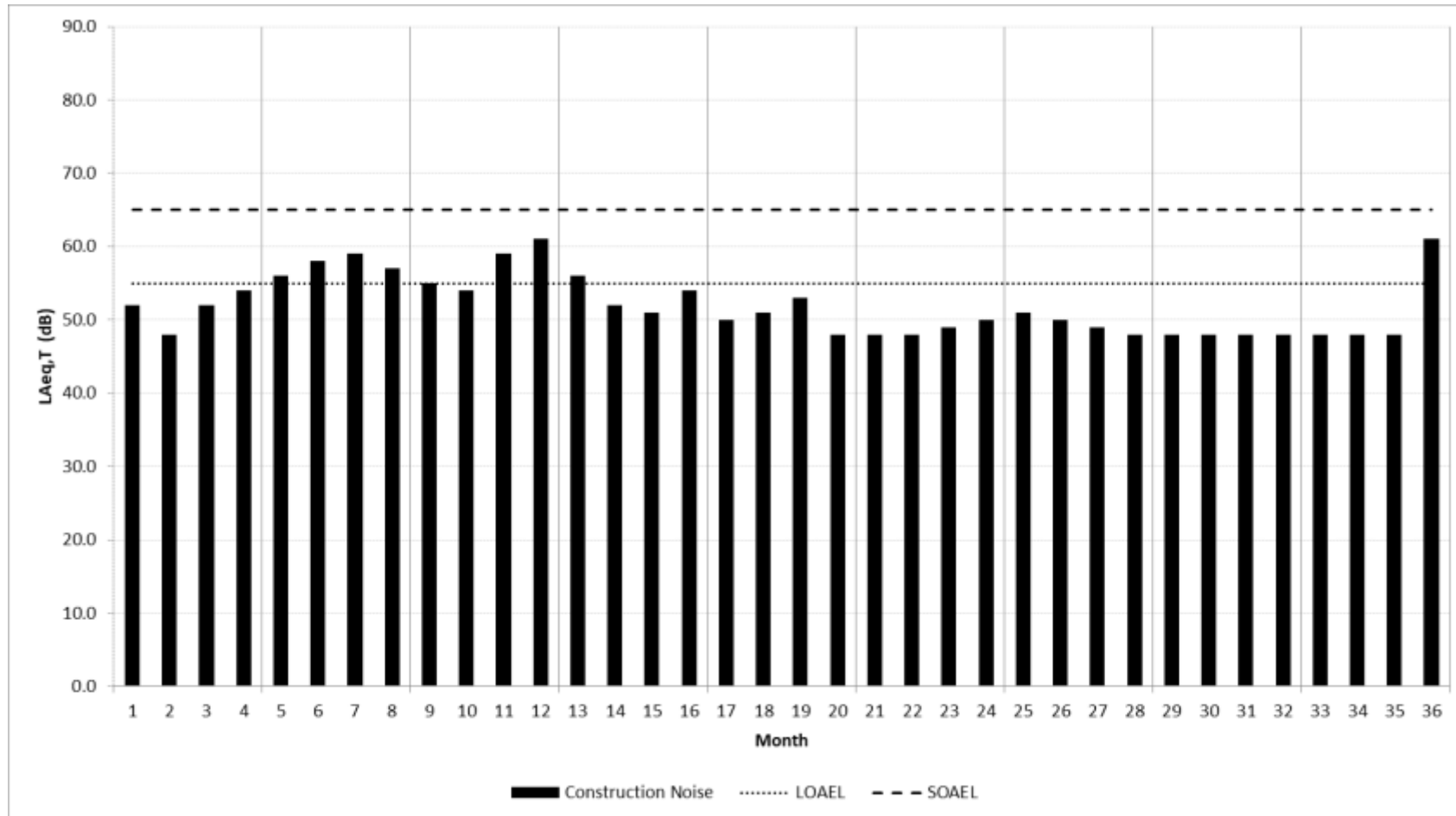
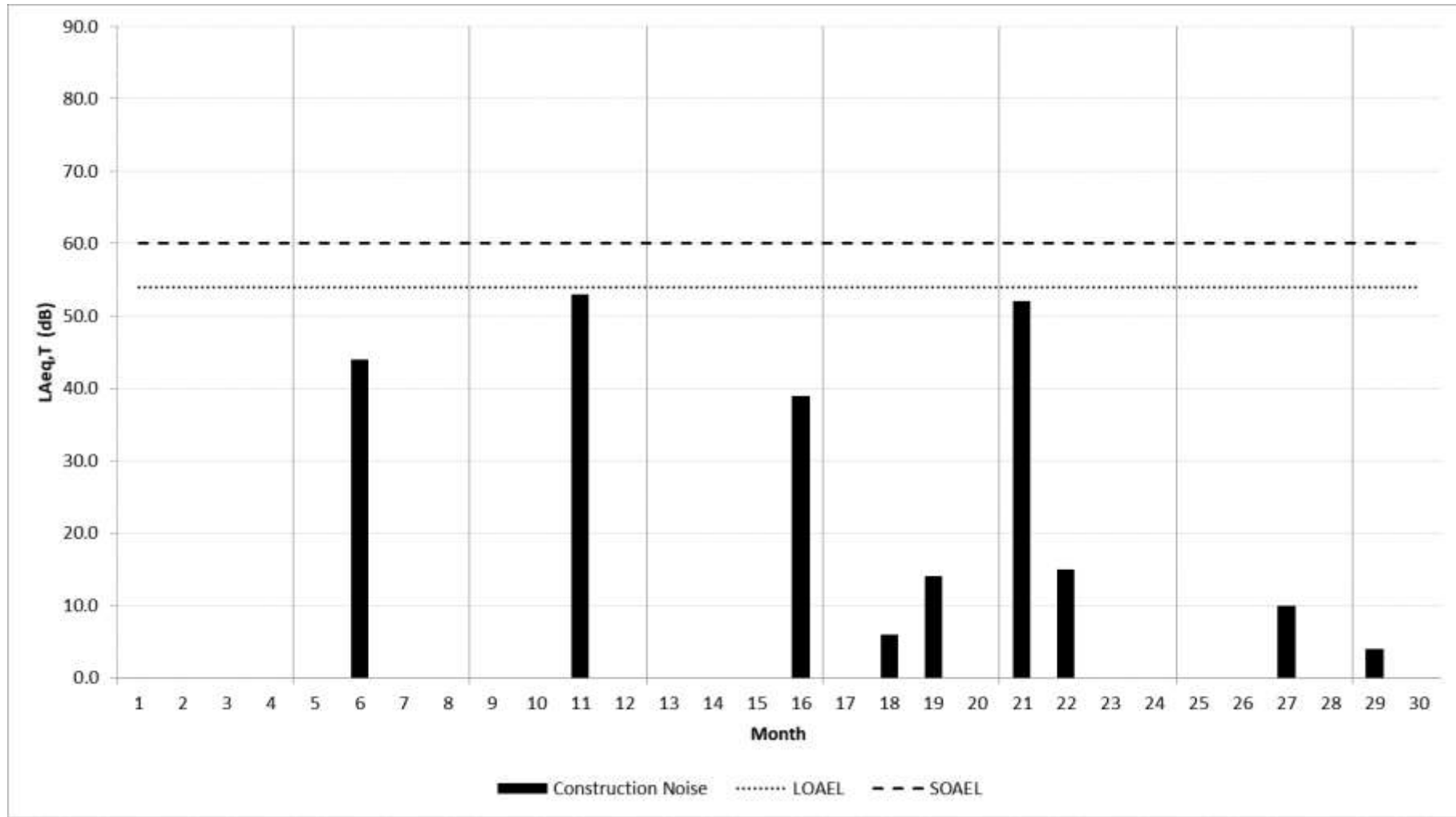


Figure A.11.3.43: R15A - The Shrubby, Hilton Lane, Hilton (Facing Scheme) - Day, Ground Floor



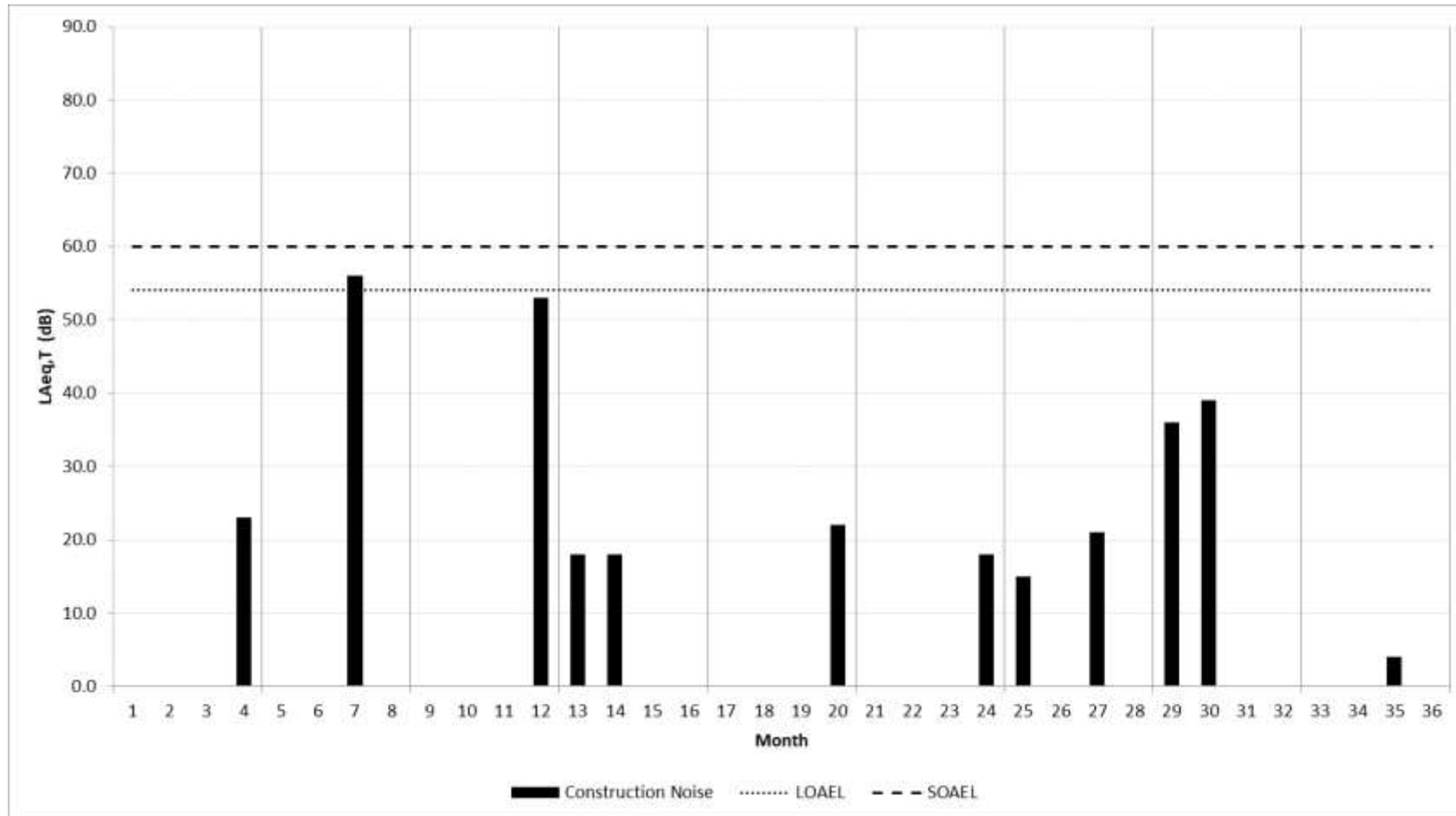
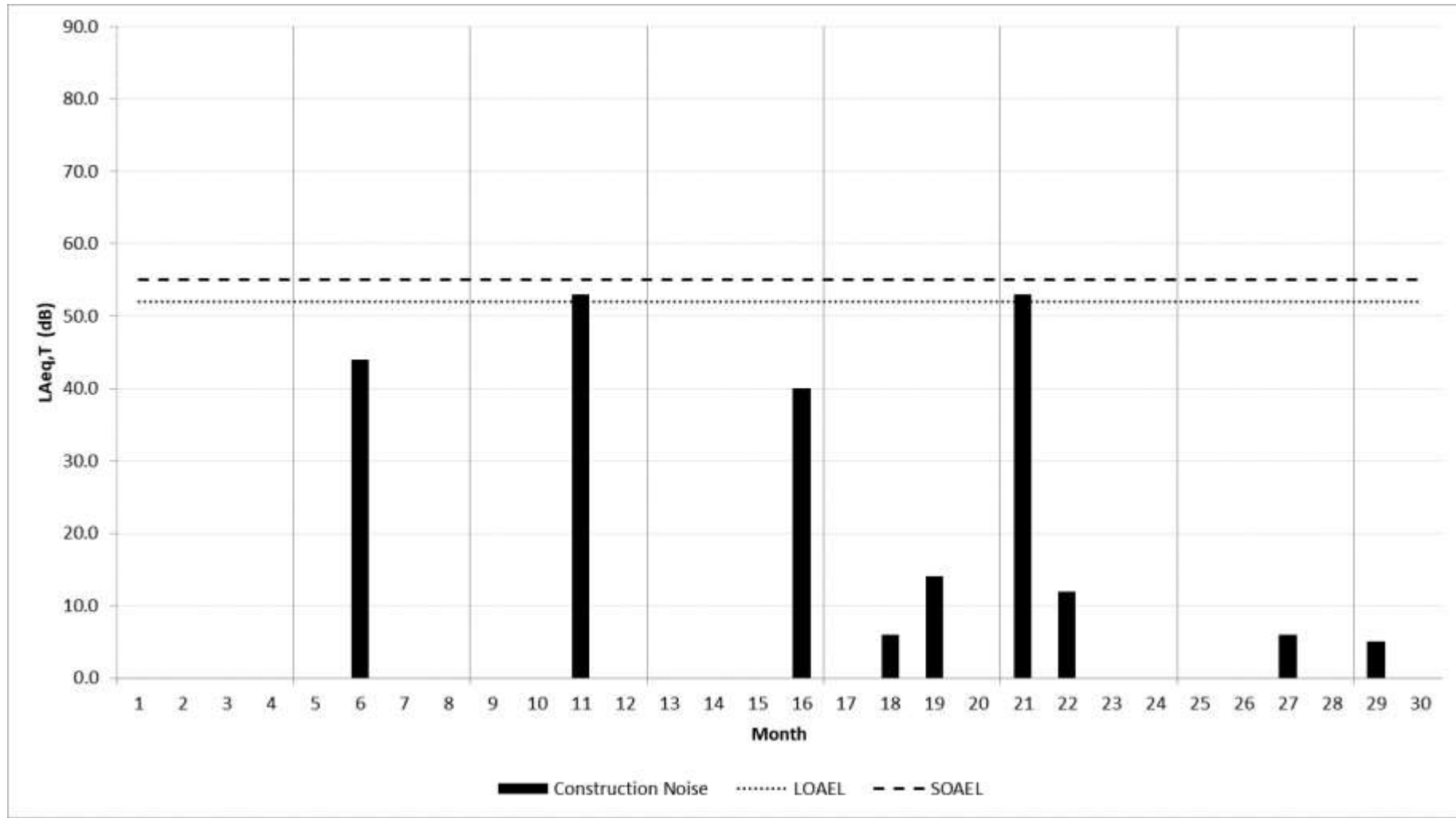


Figure A.11.3.44: R15A - The Shrubbery, Hilton Lane, Hilton (Facing Scheme) – Evening/Weekend, Ground Floor



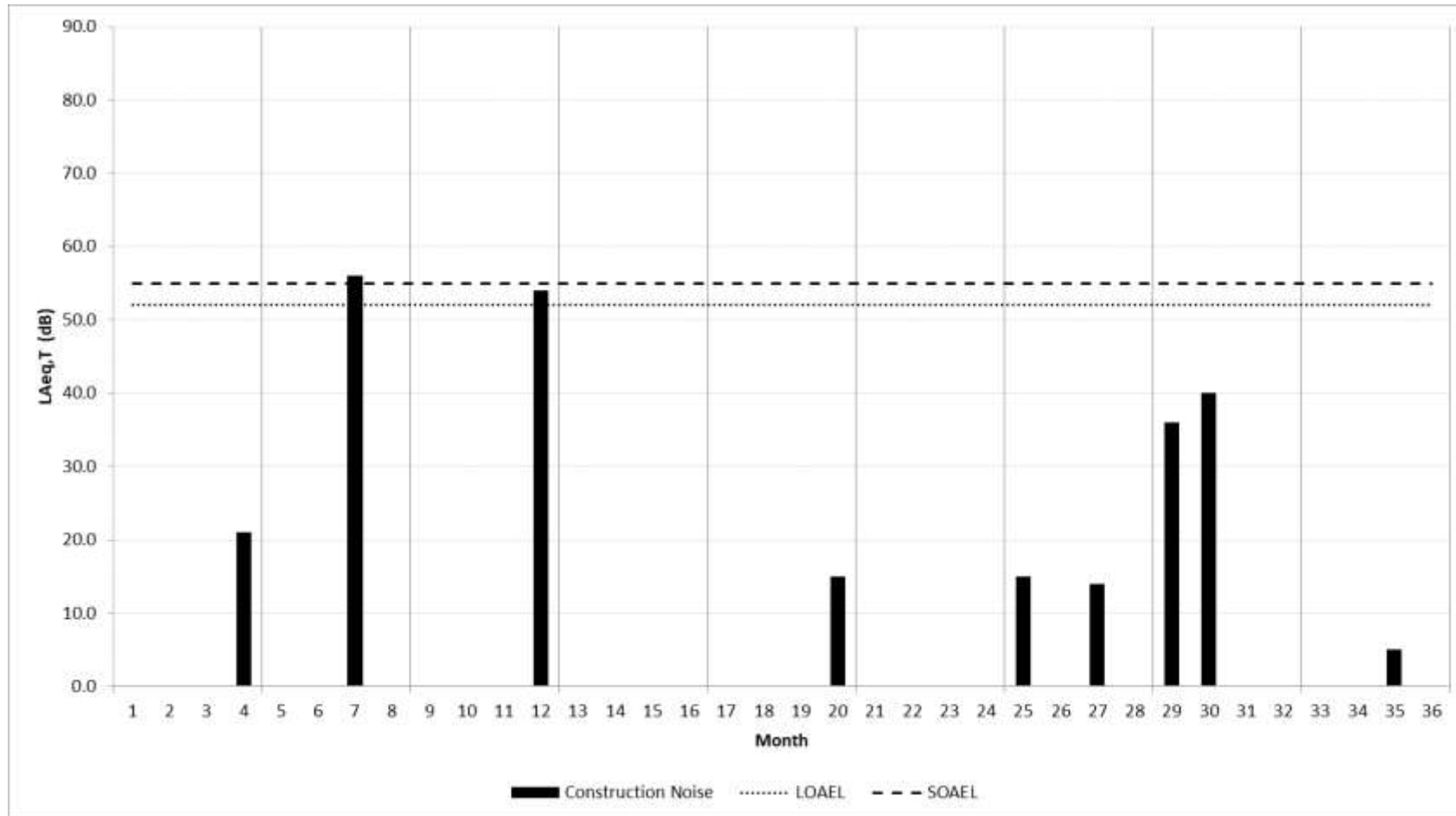
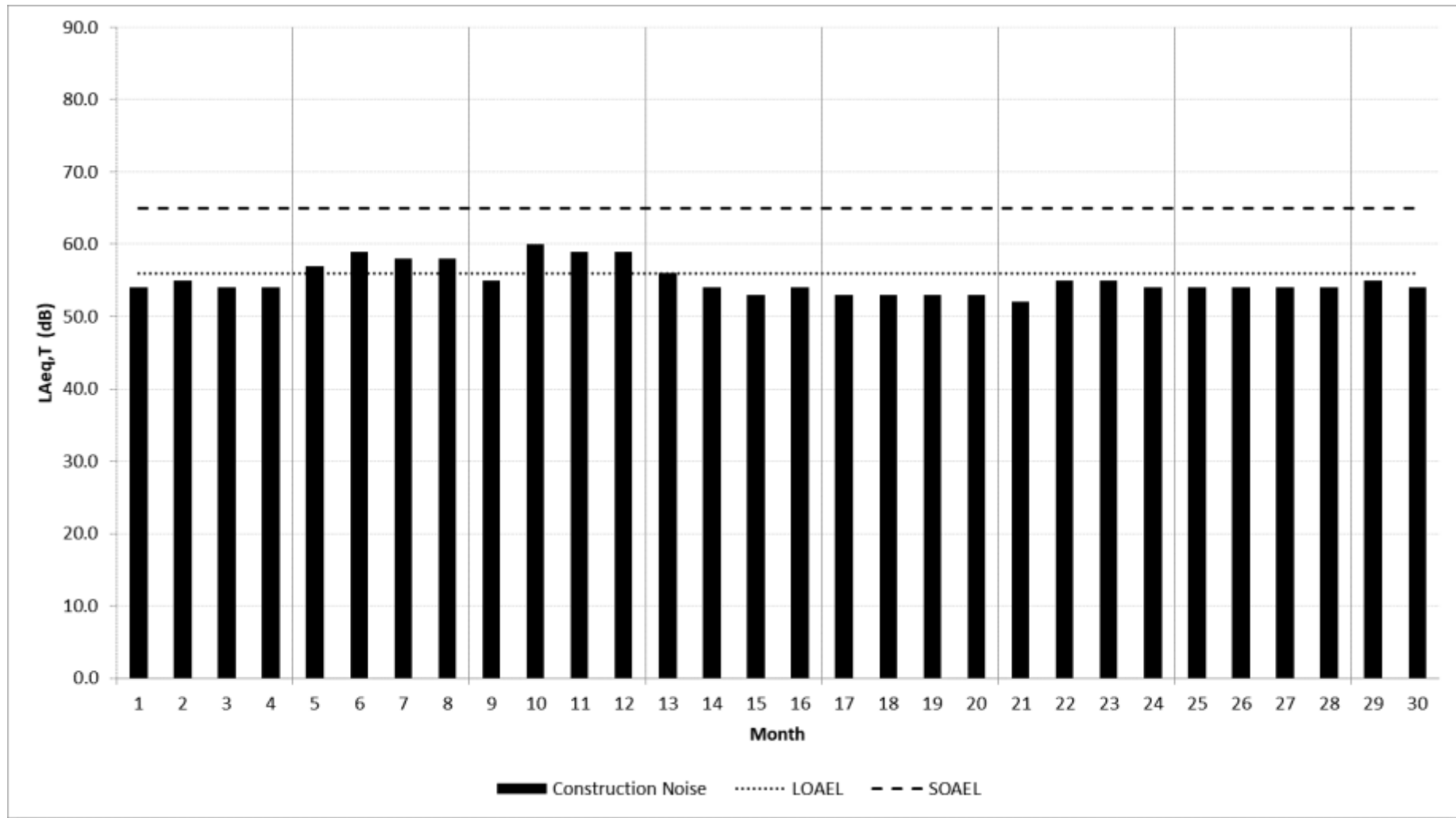


Figure A.11.3.45: R15A - The Shrubby, Hilton Lane, Hilton (Facing Scheme) - Night, First Floor



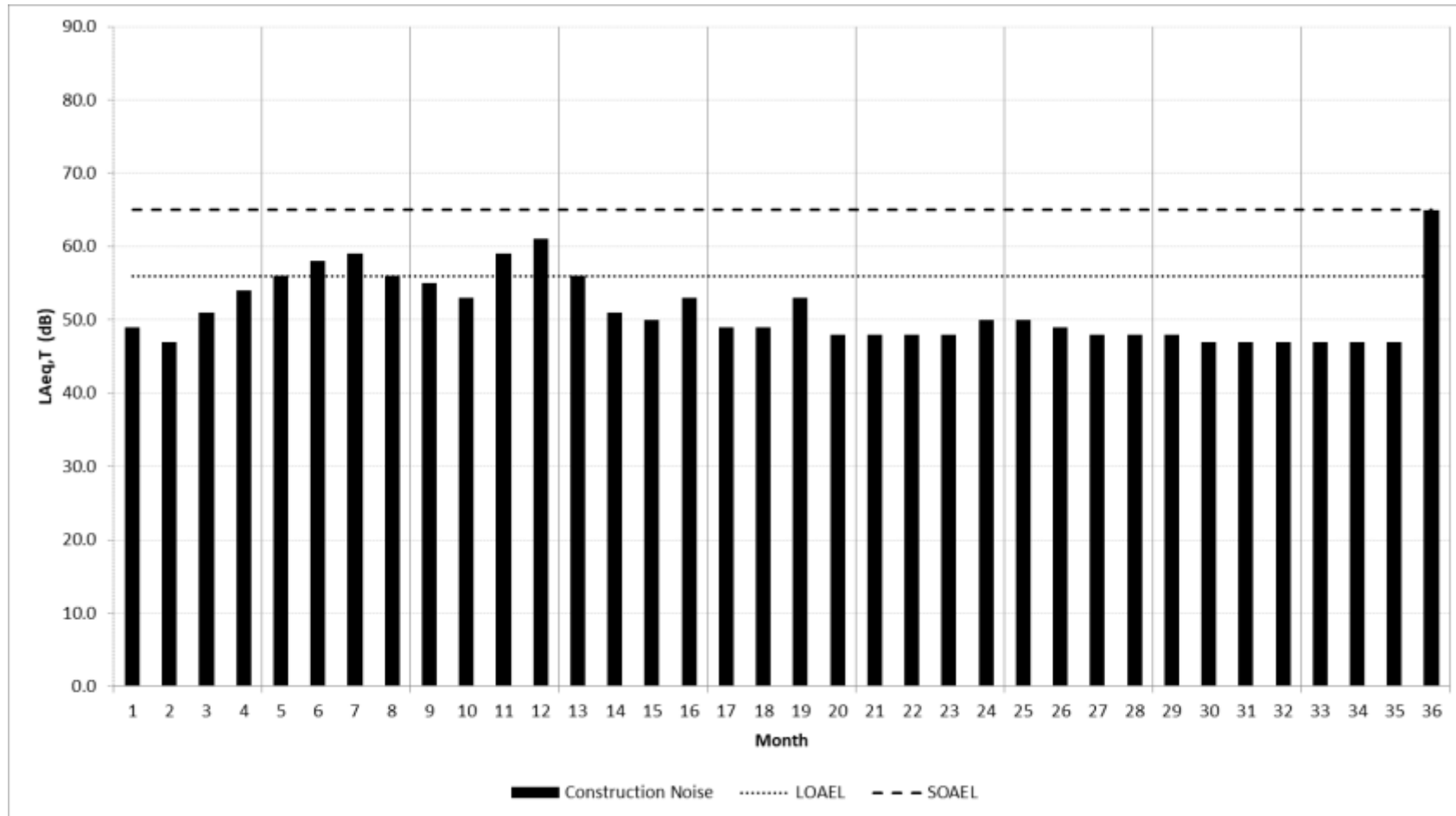
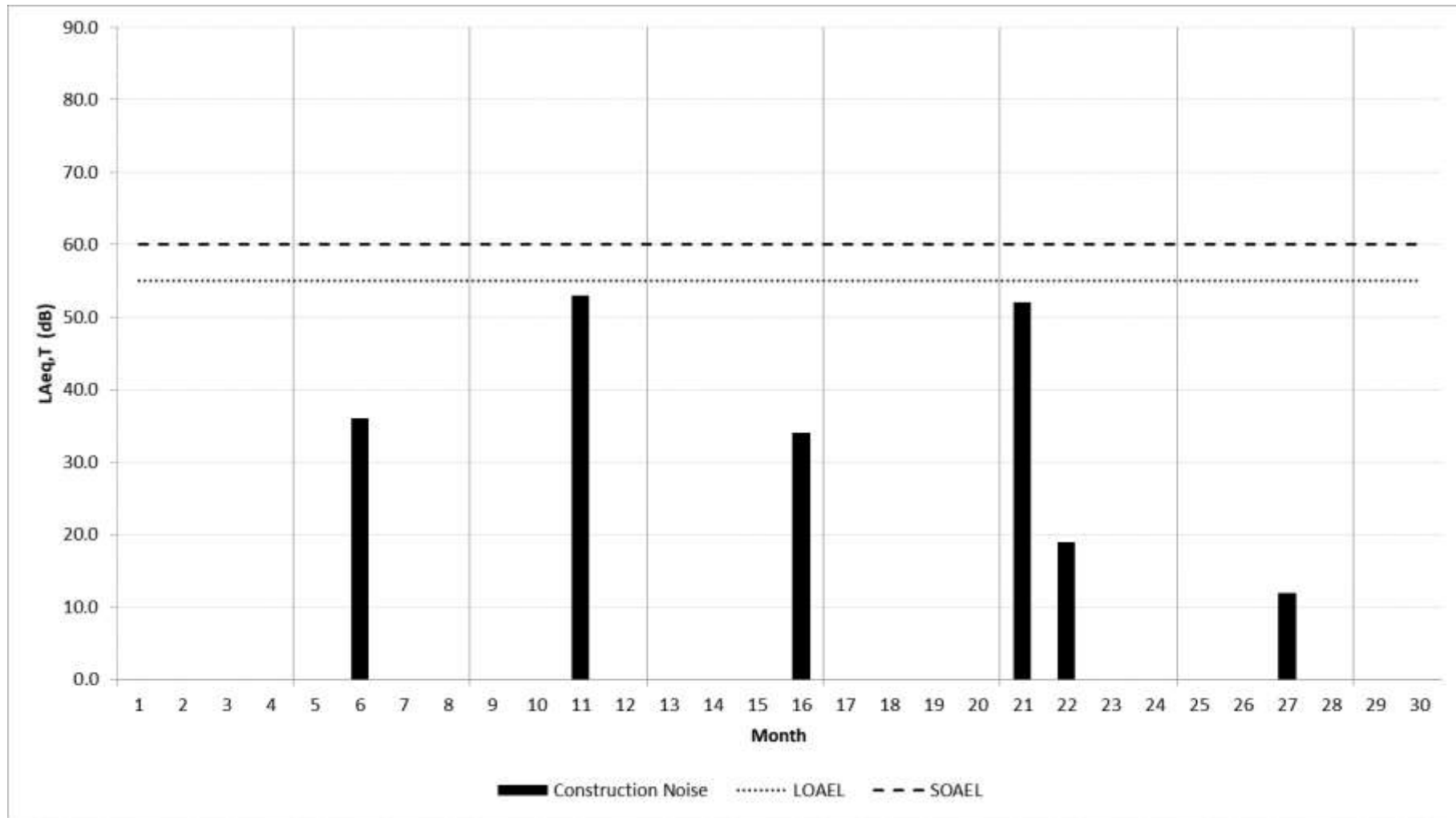


Figure A.11.3.46: R15B - The Shrubbery, Hilton Lane, Hilton (Facing Hilton Lane) - Day, Ground Floor



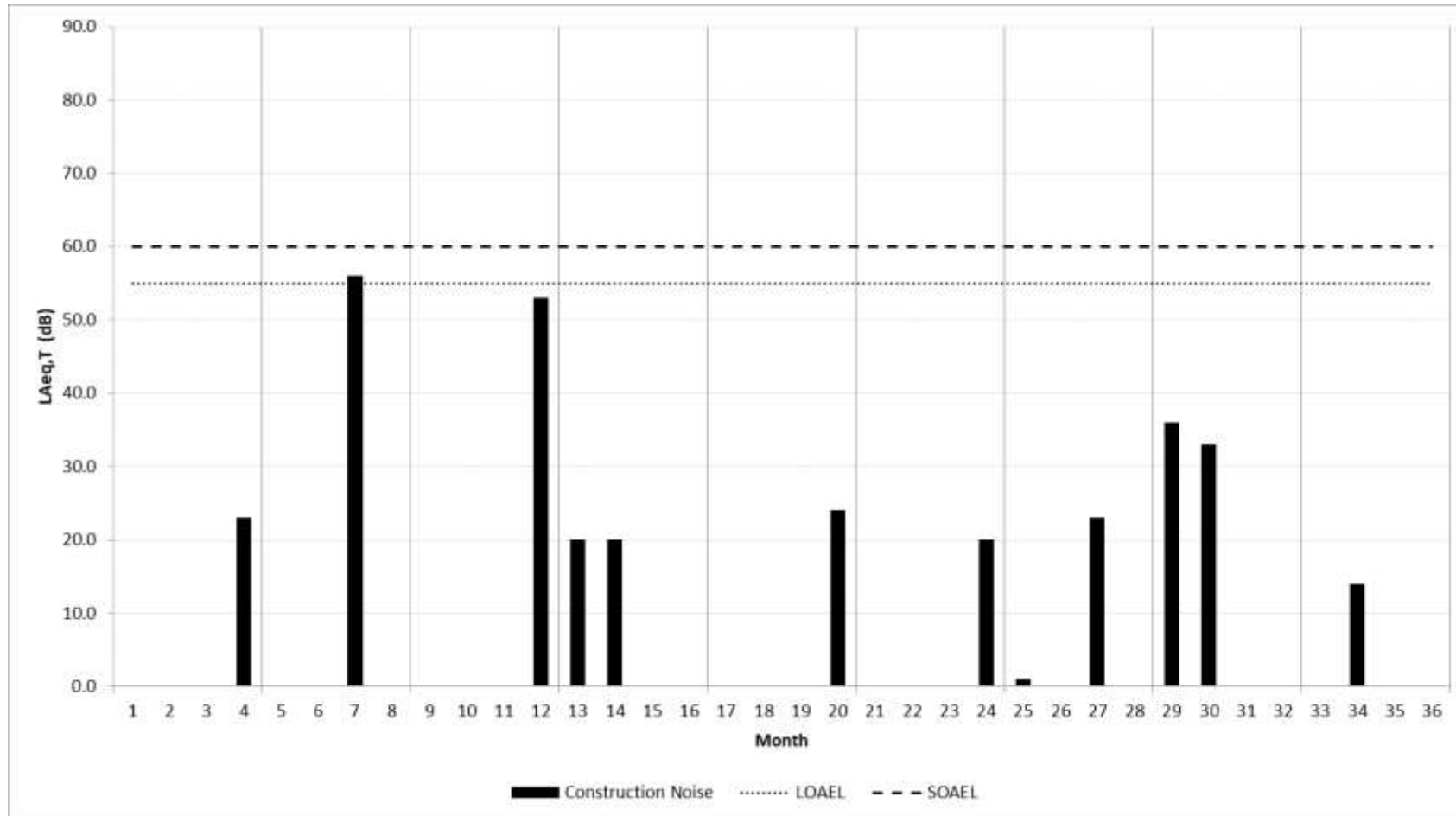
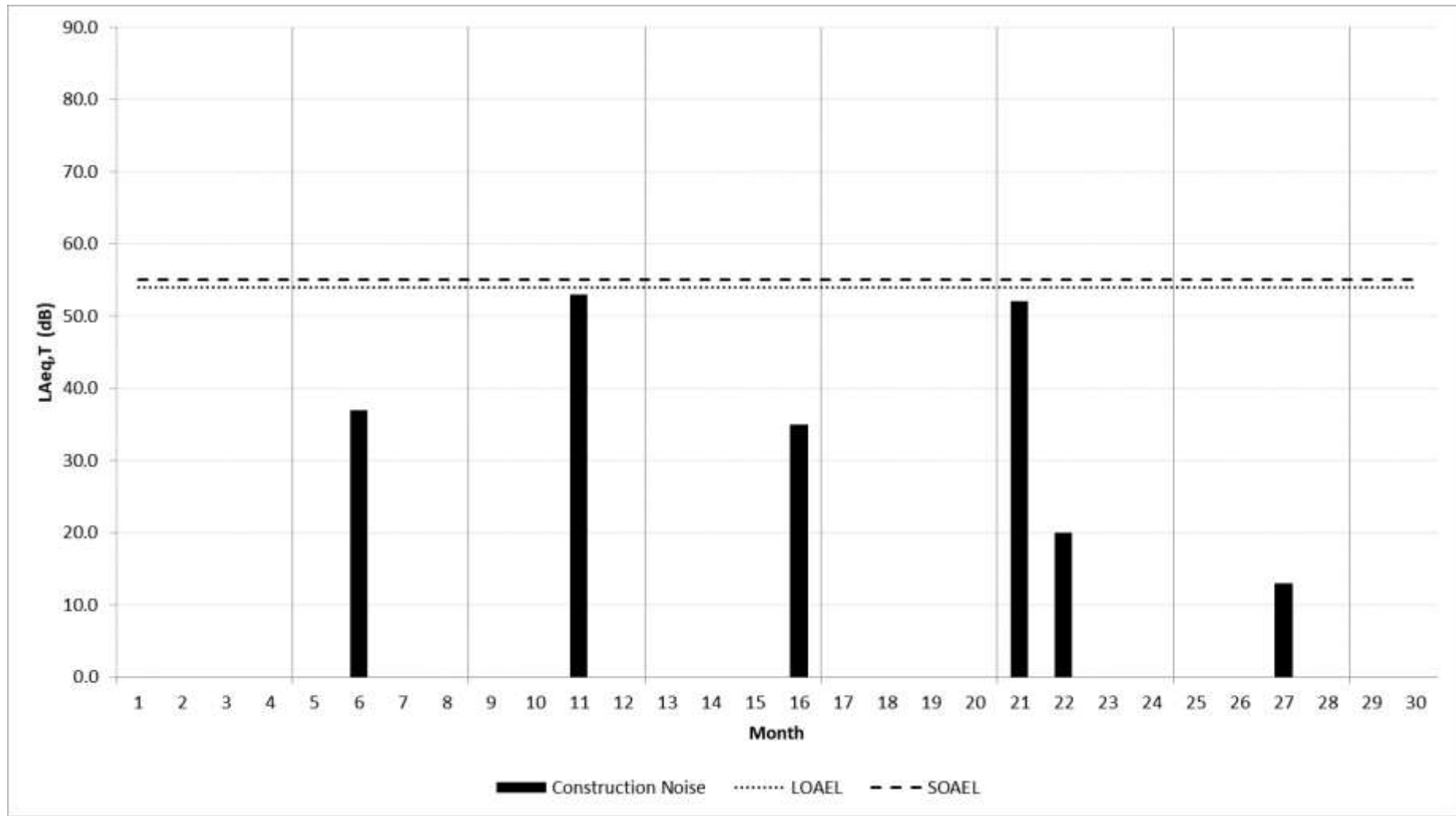


Figure A.11.3.47: R15B - The Shrubbery, Hilton Lane, Hilton (Facing Hilton Lane) – Evening/Weekend, Ground Floor



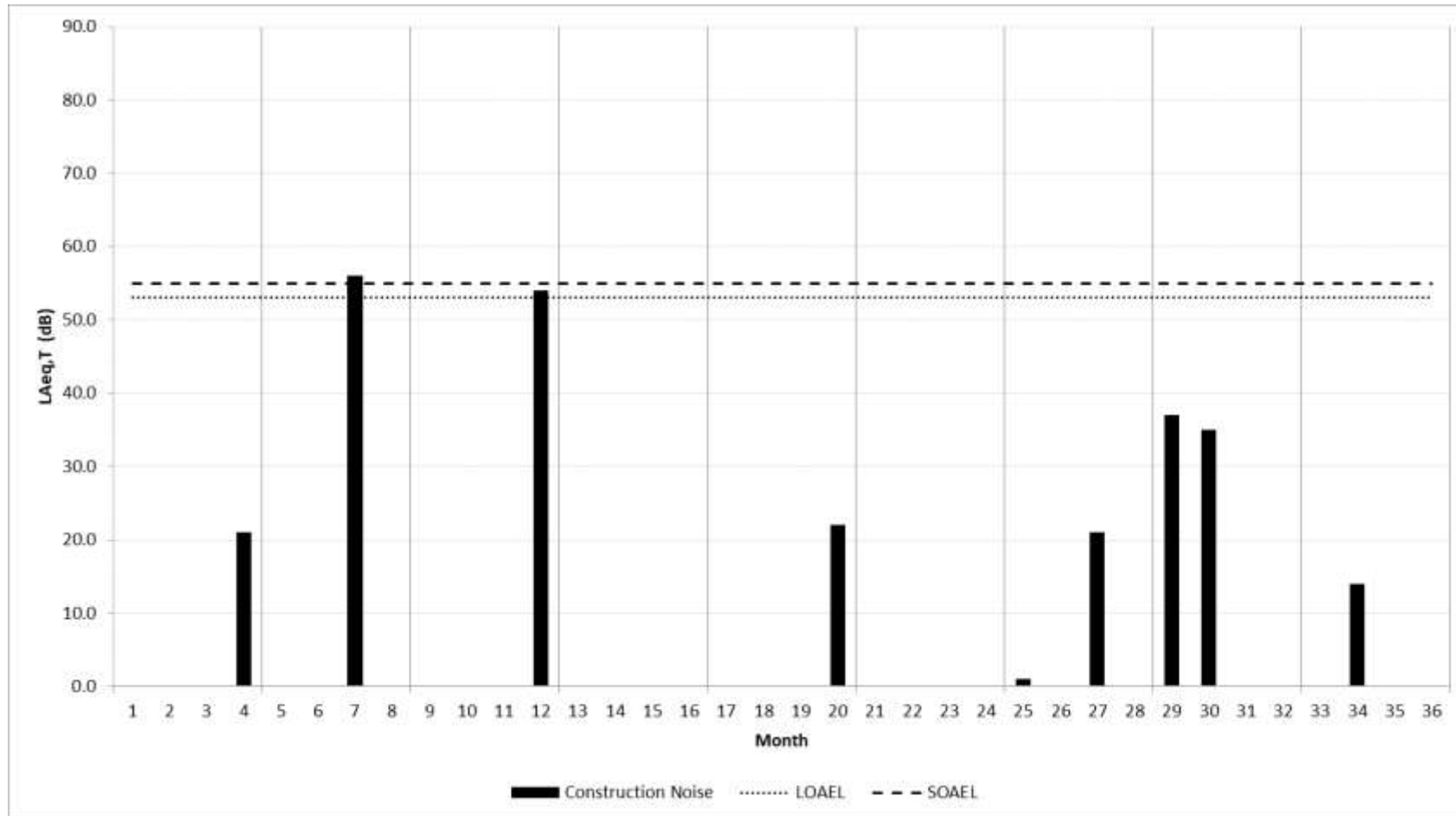
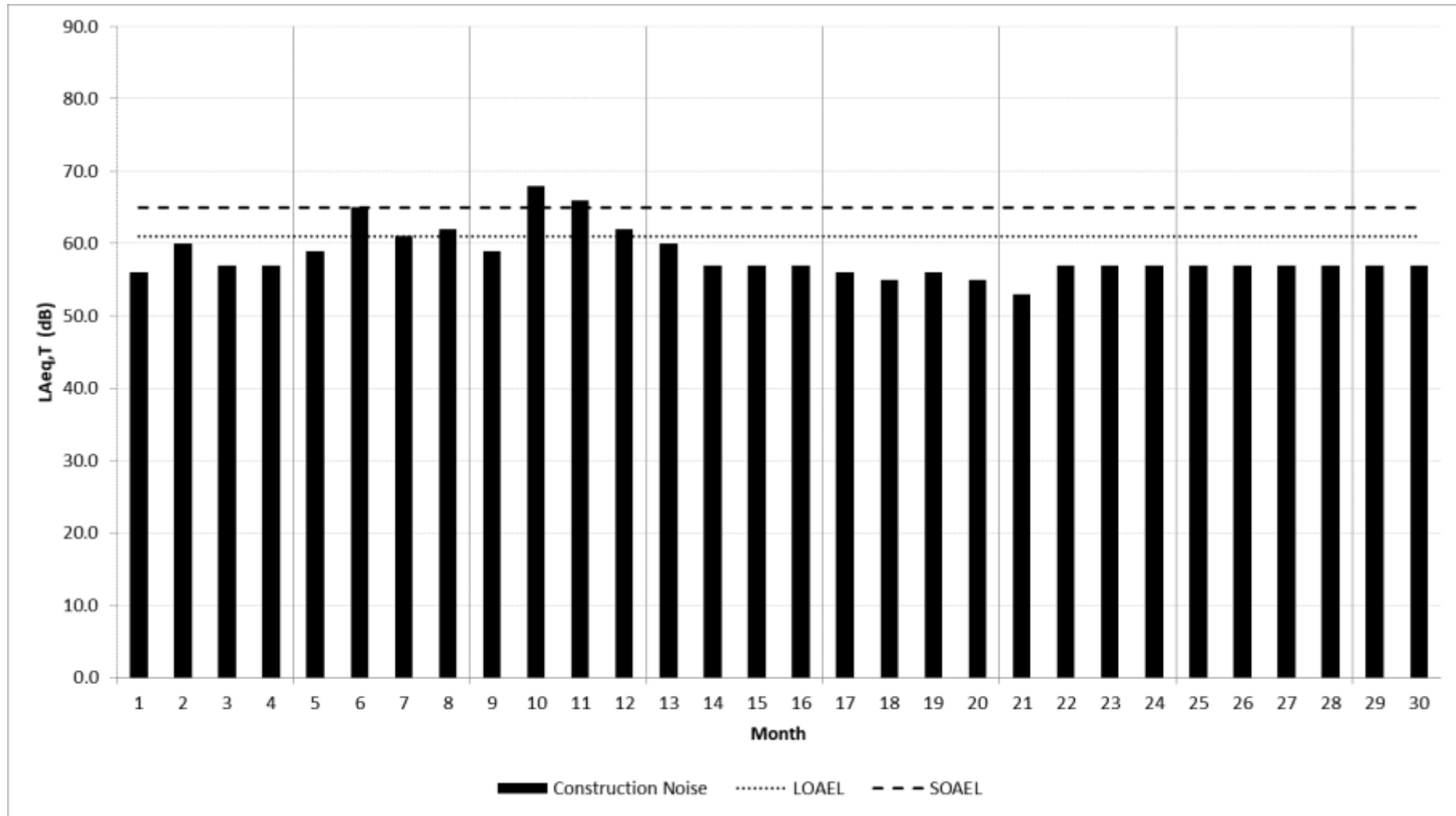


Figure A.11.3.48: R15B - The Shrubby, Hilton Lane, Hilton (Facing Hilton Lane) - Night, First Floor



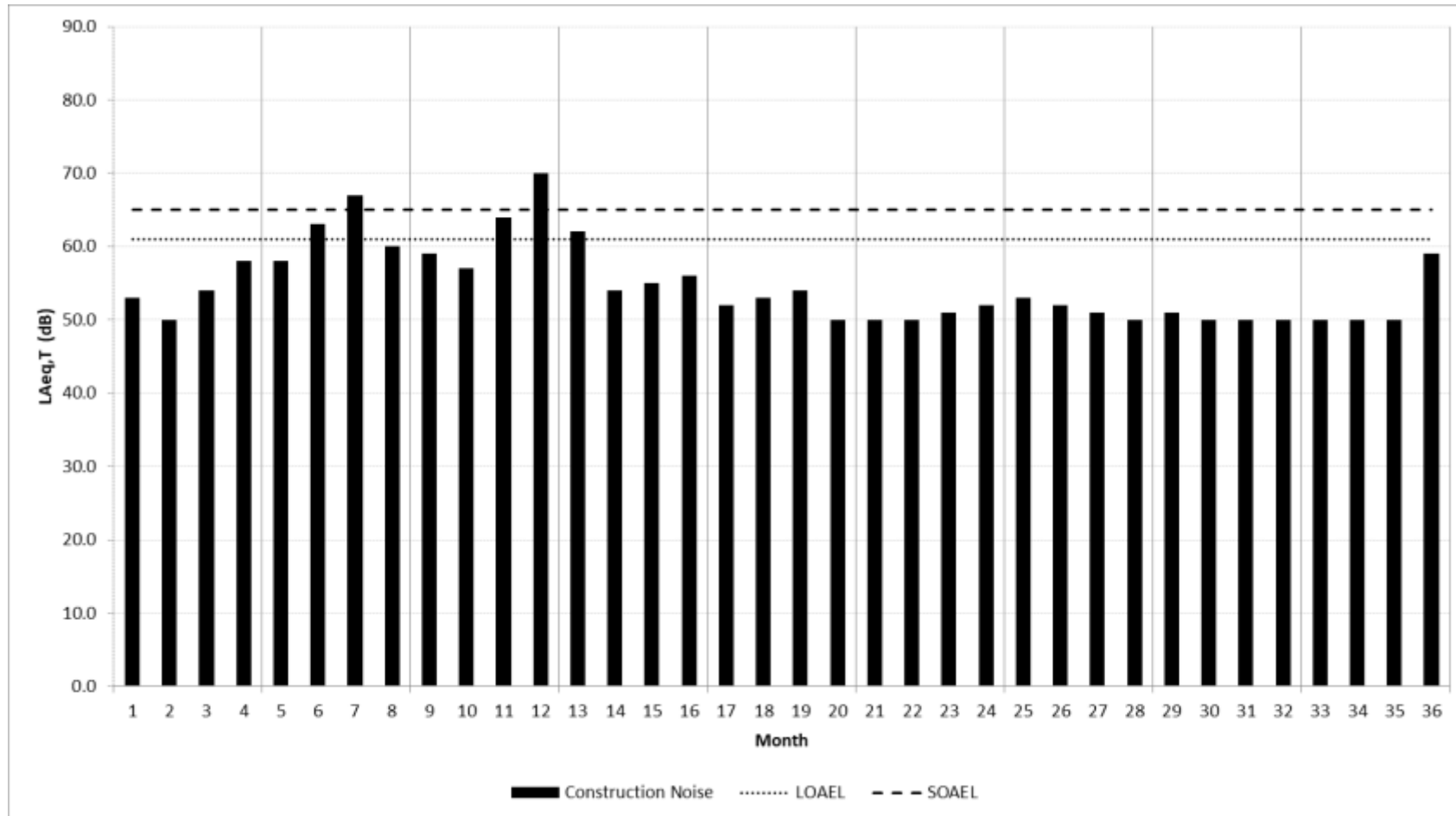
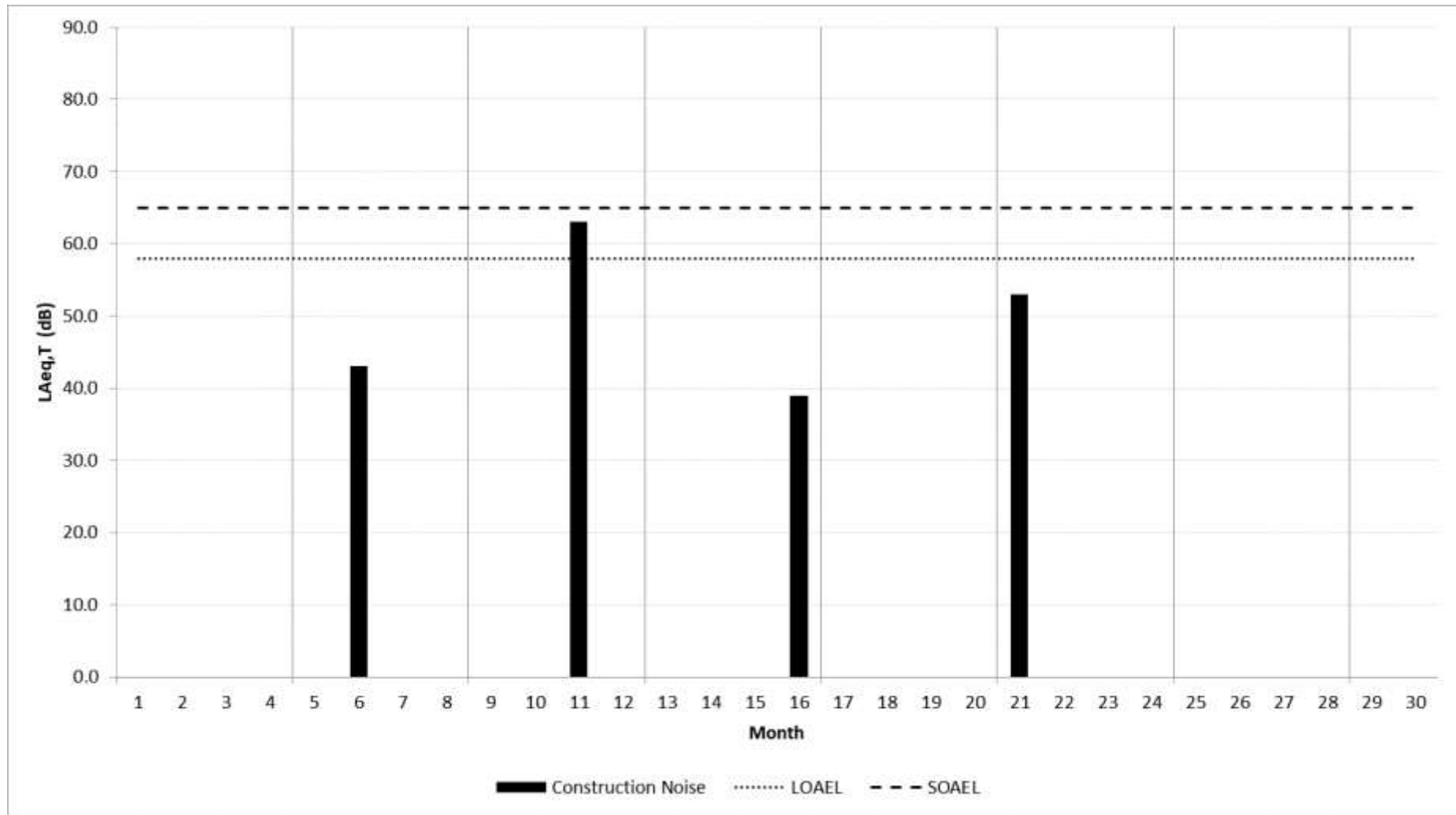


Figure A.11.3.49: R16 - Hilton Lane, Shareshill (South East) – Day, Ground Floor



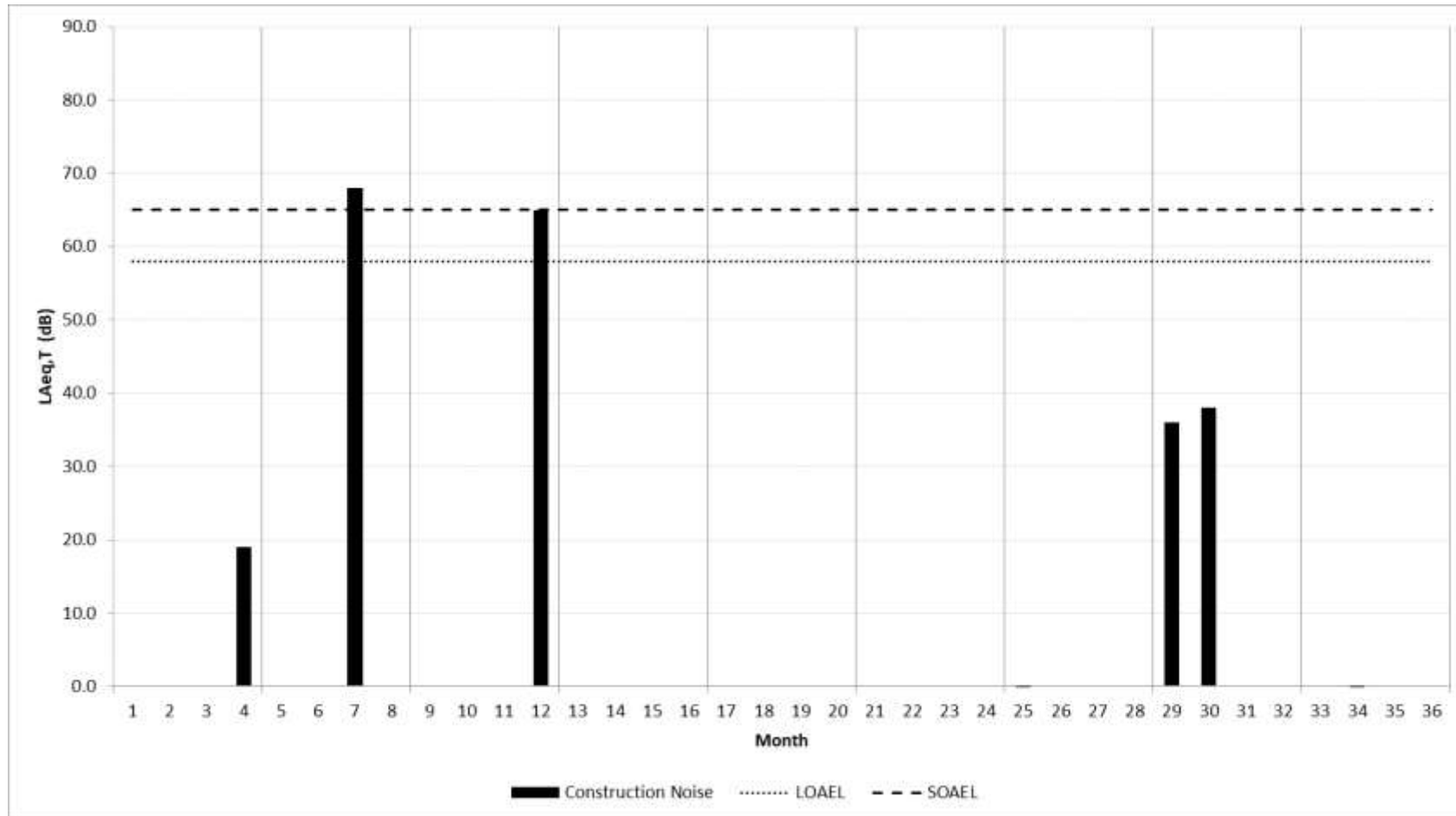
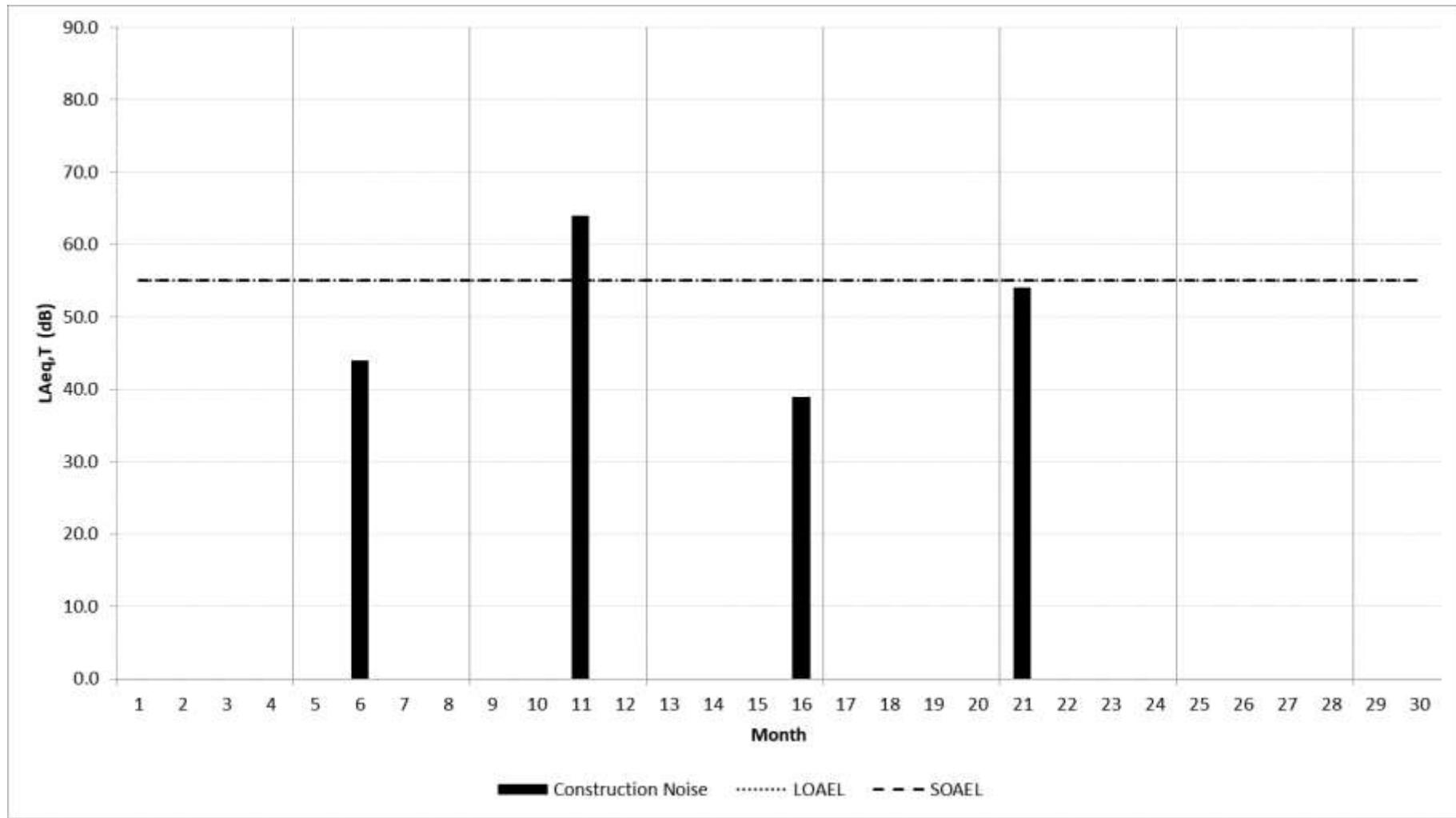


Figure A.11.3.50: R16 - Hilton Lane, Sharesill (South East) – Evening/Weekend, Ground Floor



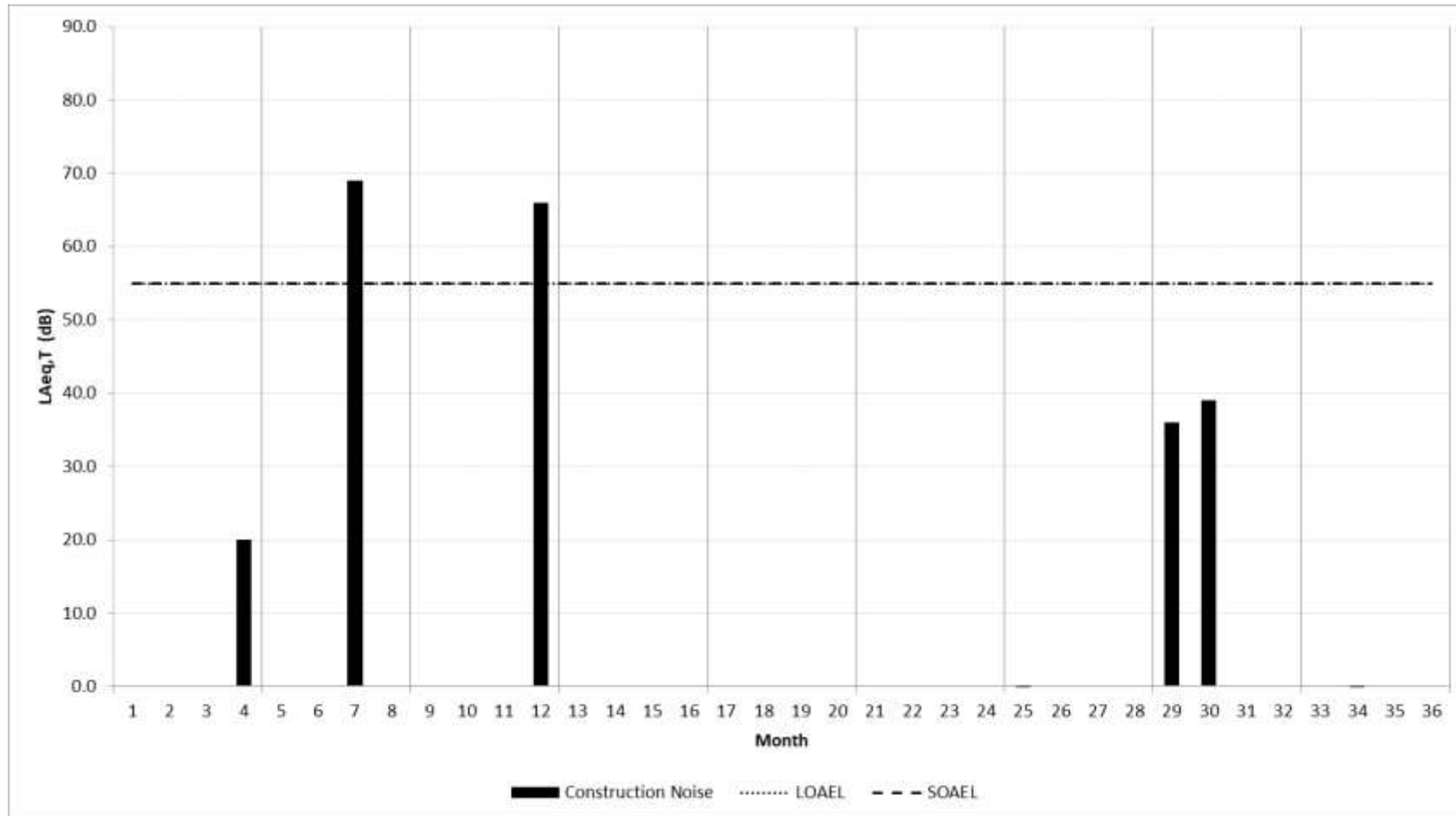
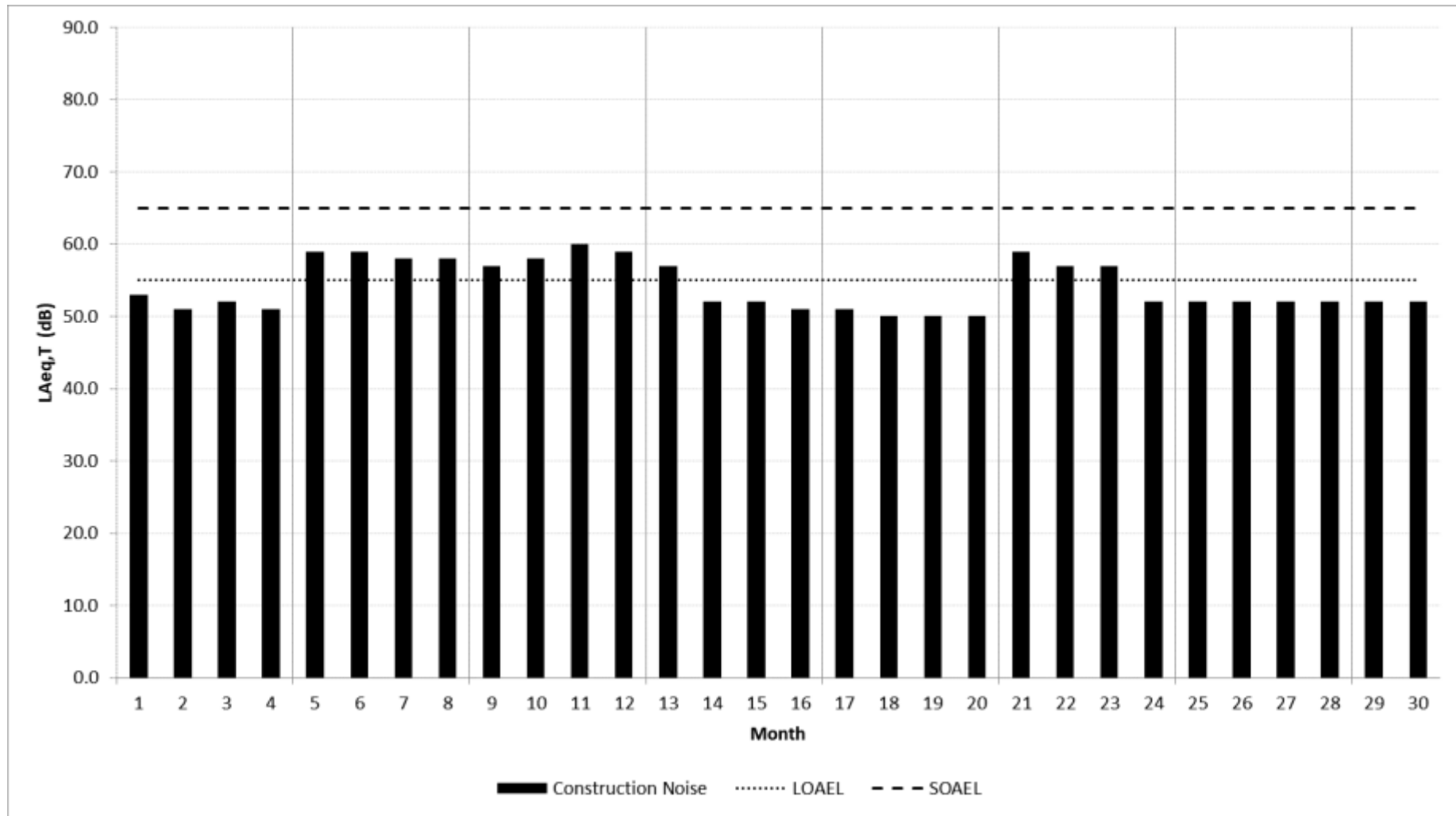


Figure A.11.3.51: R16 - Hilton Lane, Sharesill (South East) – Night, First Floor



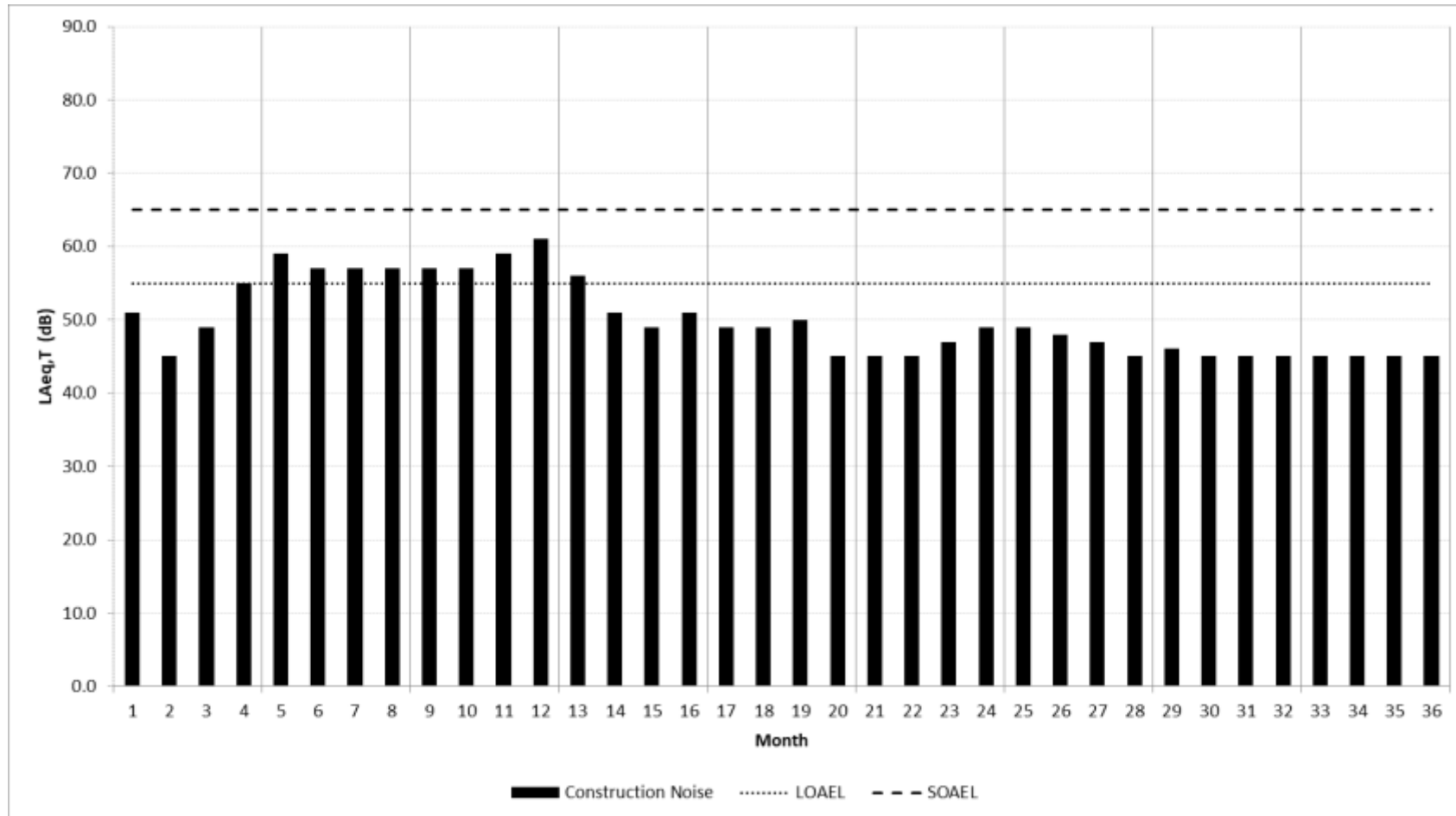
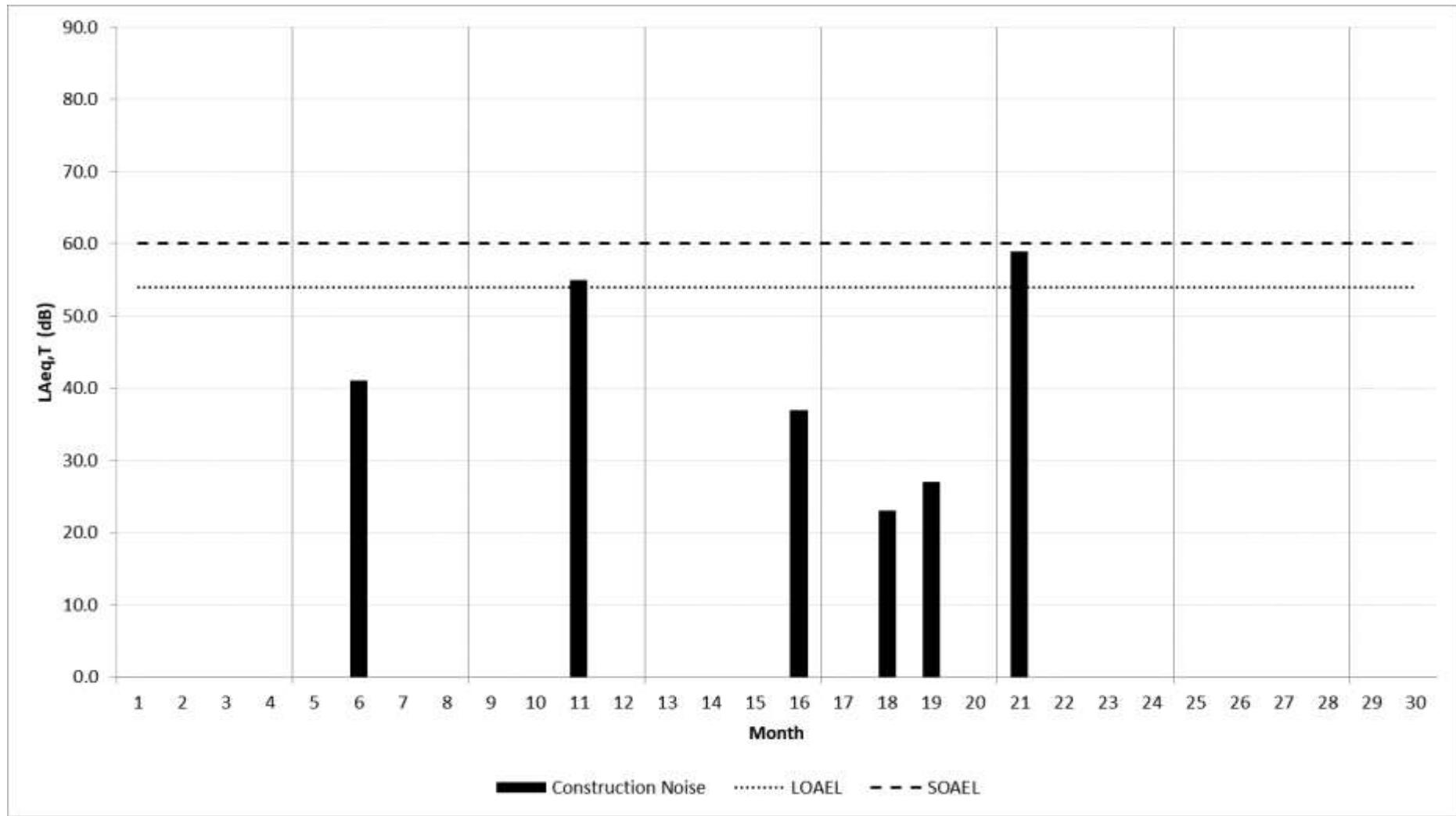


Figure A.11.3.52: R17A - Hilton Lane, Shareshill (Central - Facing Scheme) - Day, Ground Floor



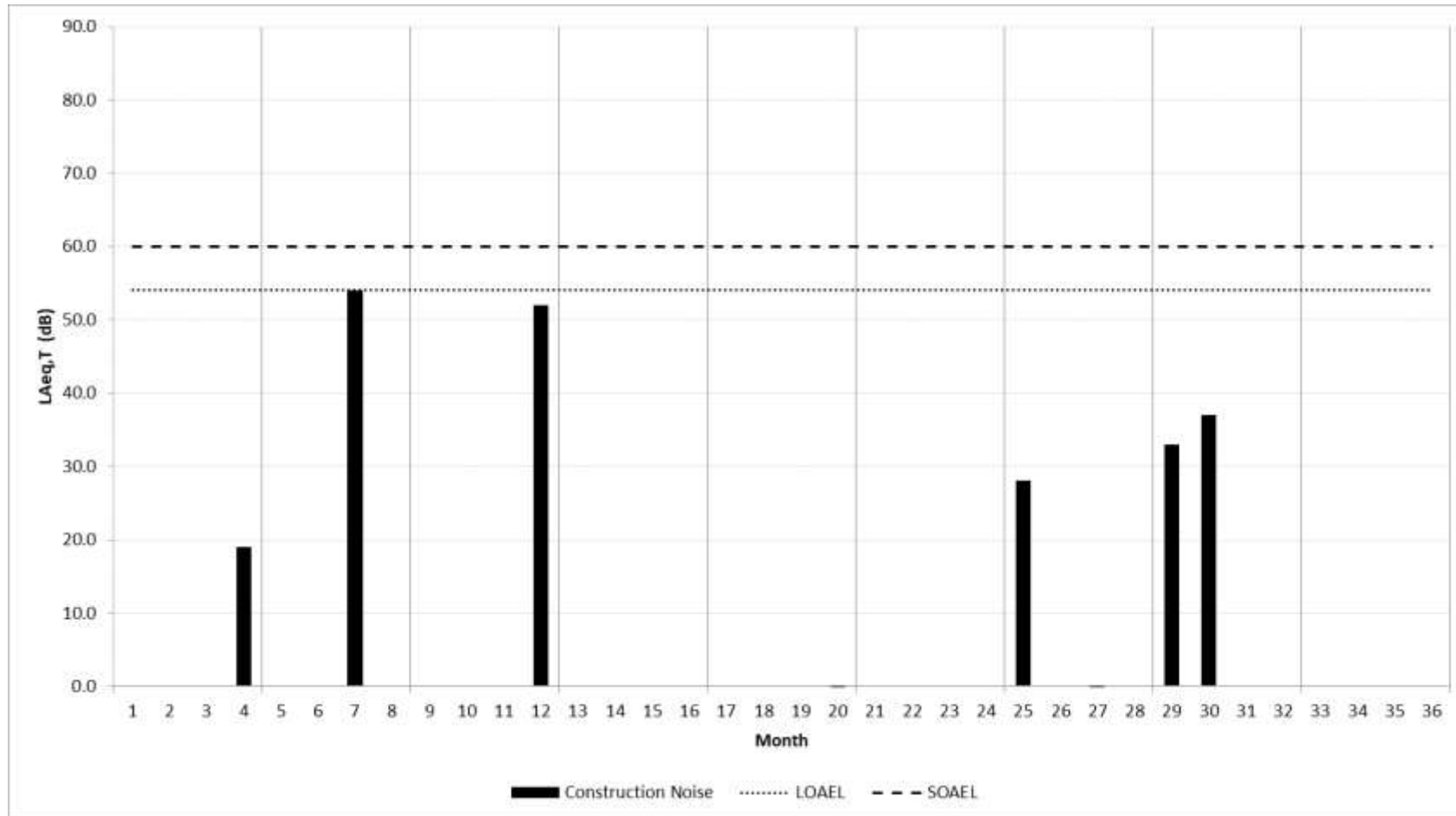
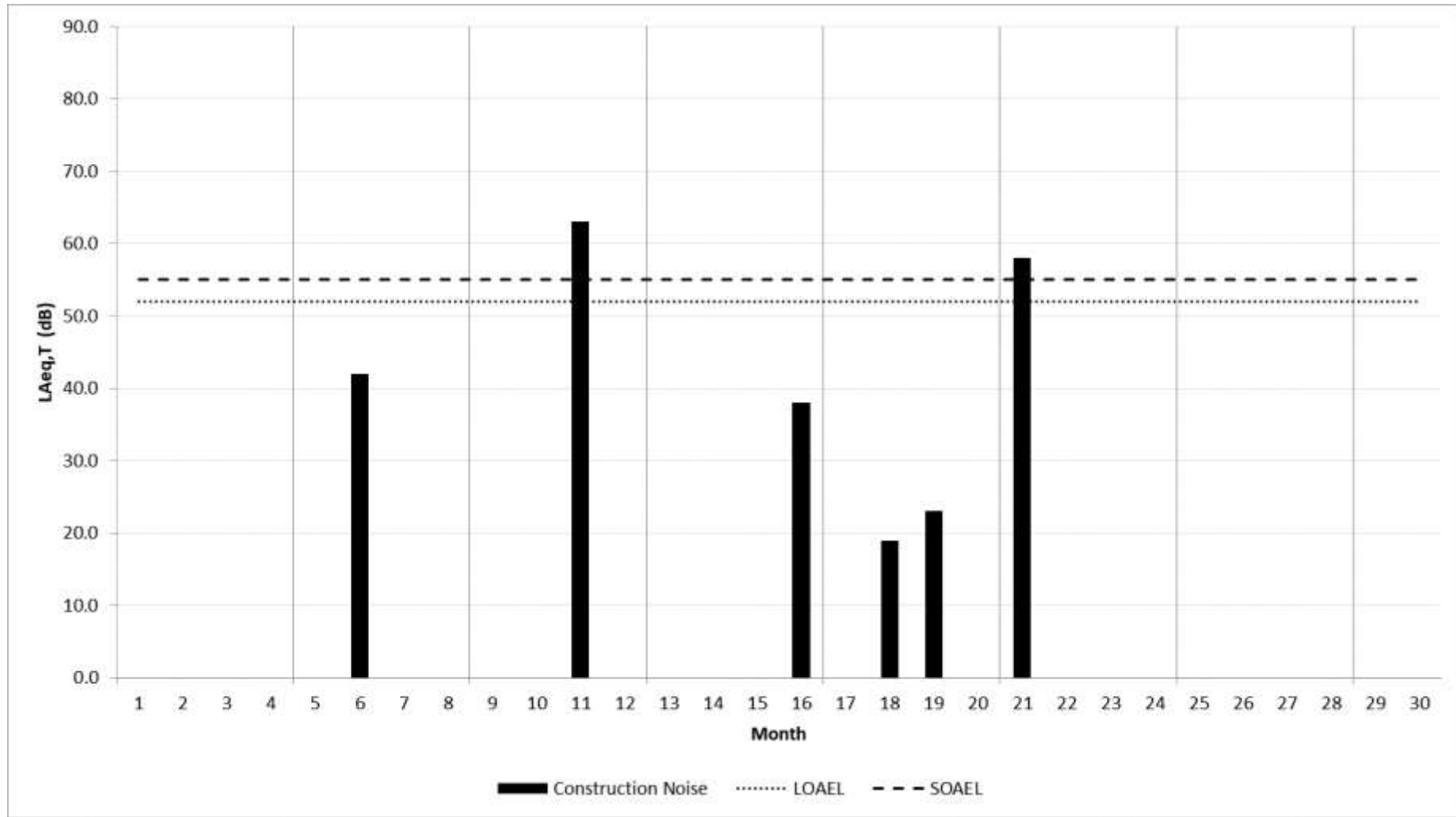


Figure A.11.3.53: R17A - Hilton Lane, Shareshill (Central - Facing Scheme) – Evening/Weekend, Ground Floor



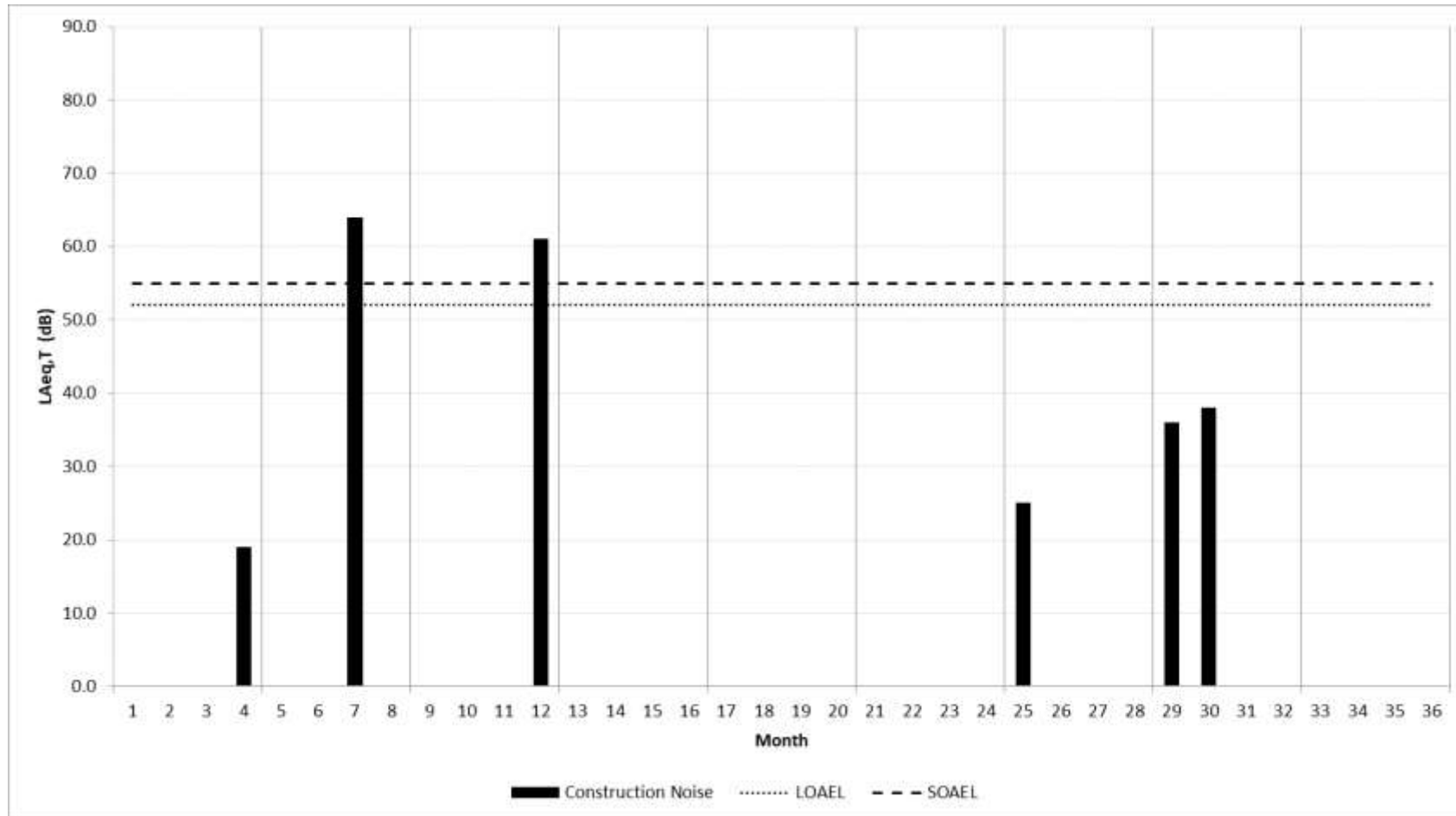
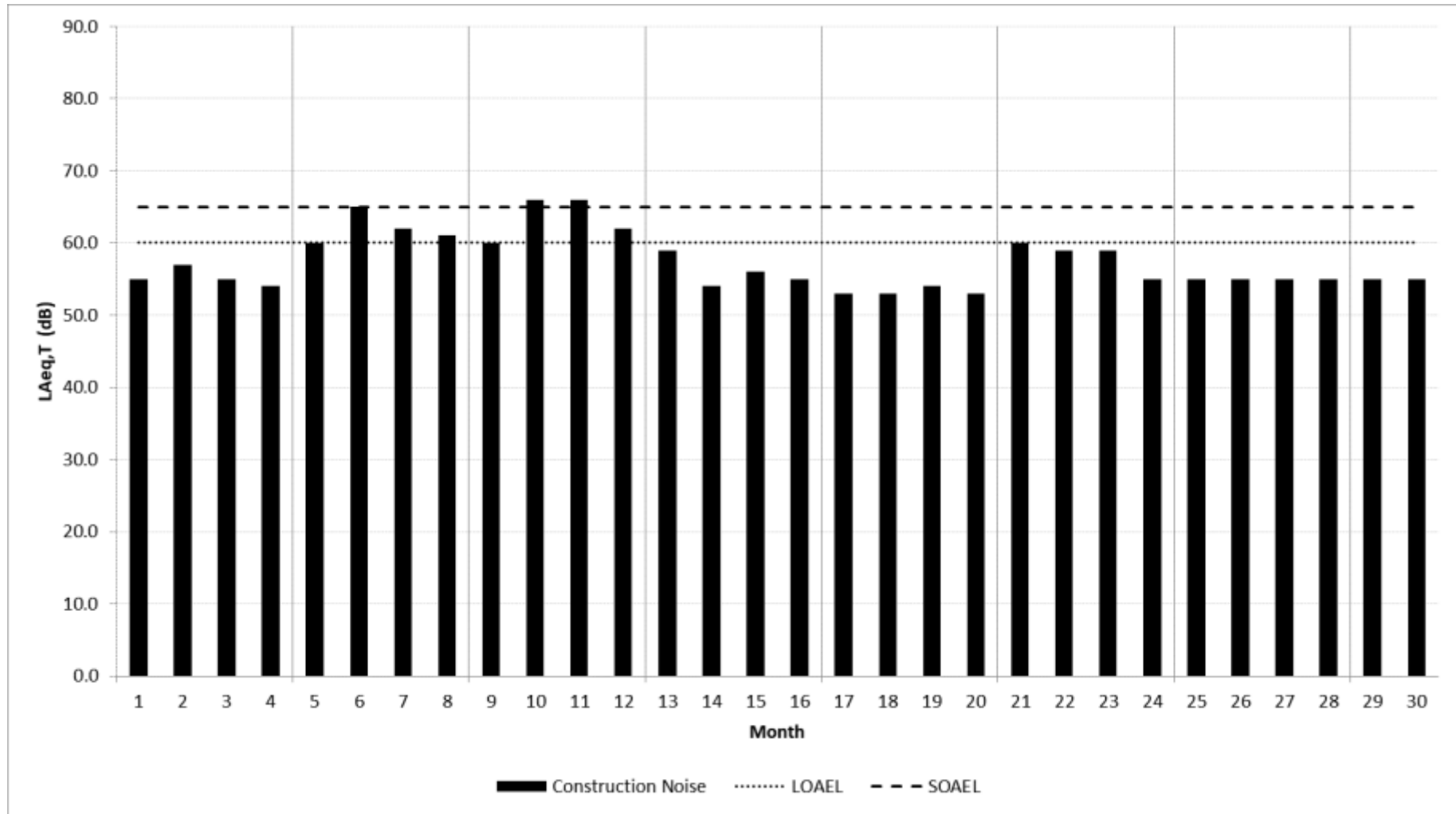


Figure A.11.3.54: R17A - Hilton Lane, Shareshill (Central - Facing Scheme) - Night, First Floor



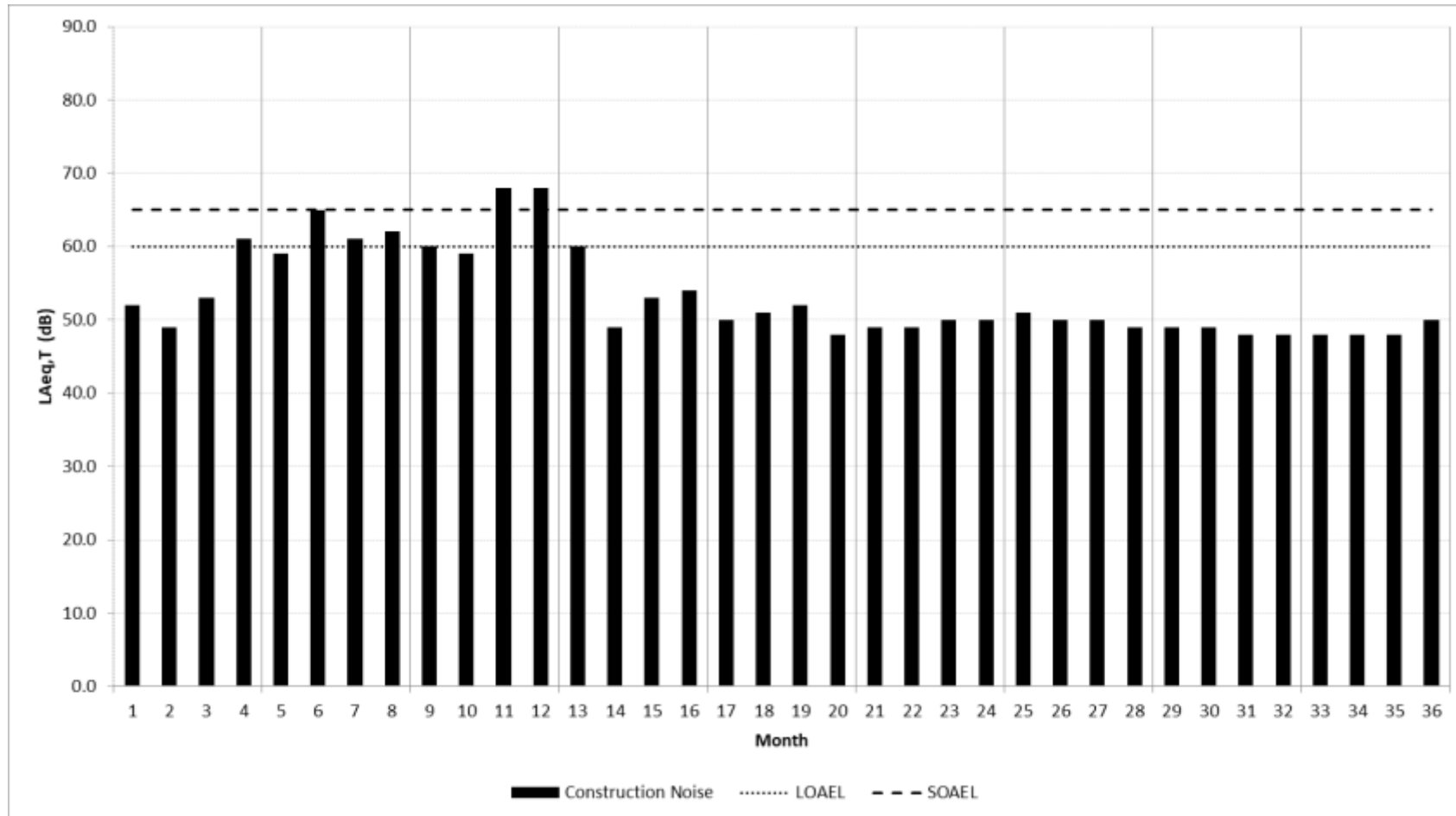
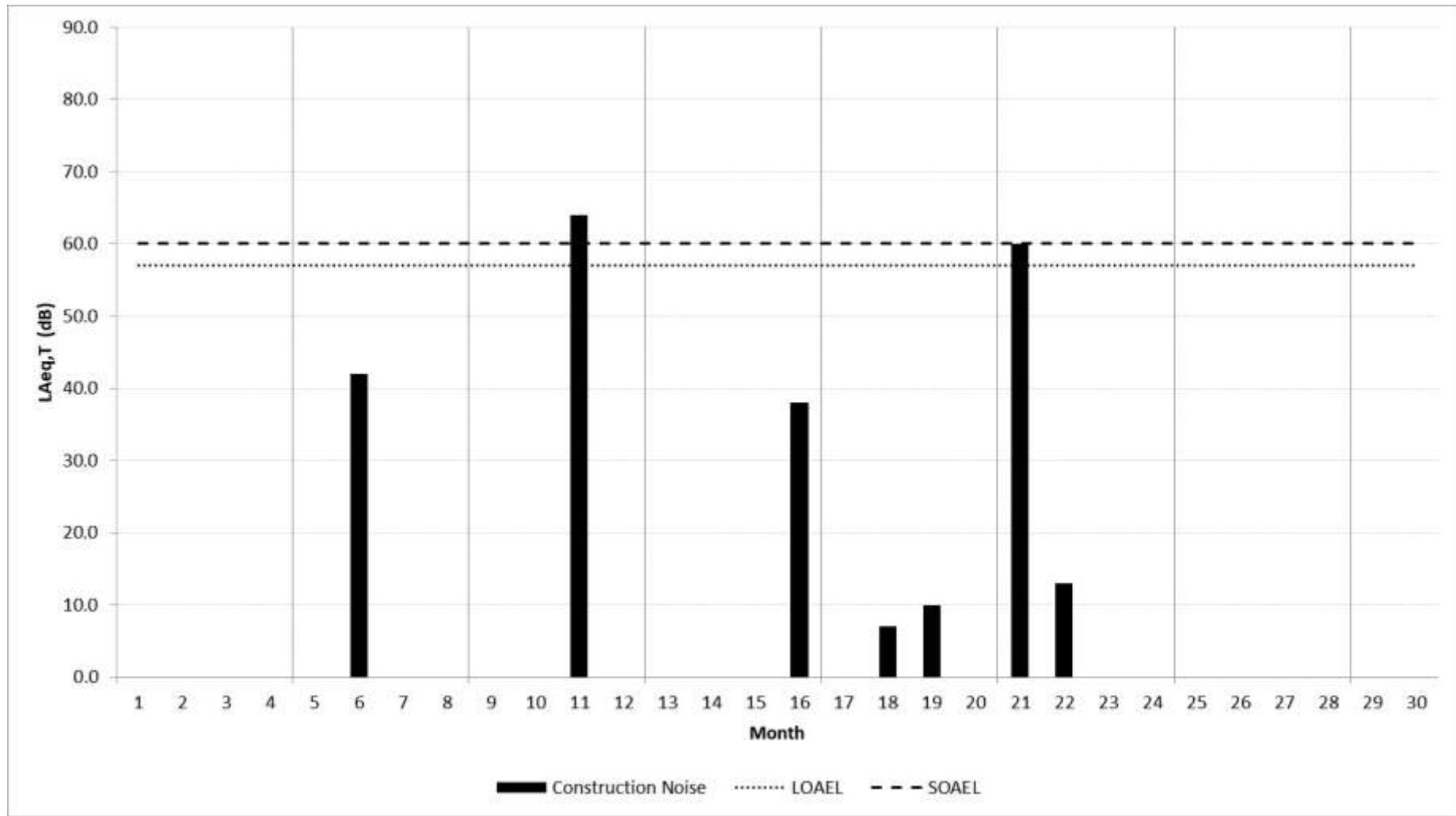


Figure A.11.3.55: R17B - Hilton Lane, Shareshill (Central - Facing Hilton Lane) - Day, Ground Floor



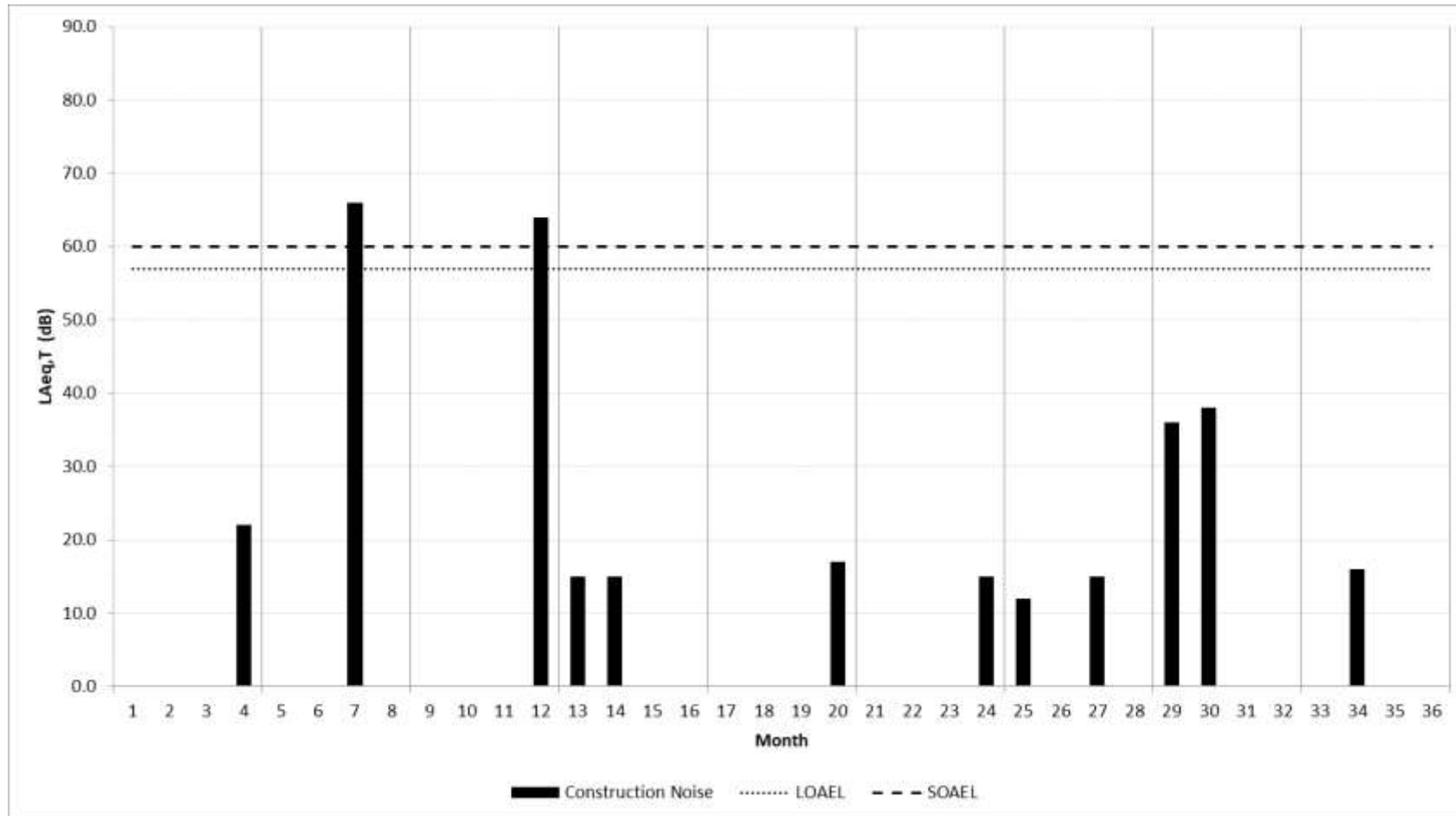
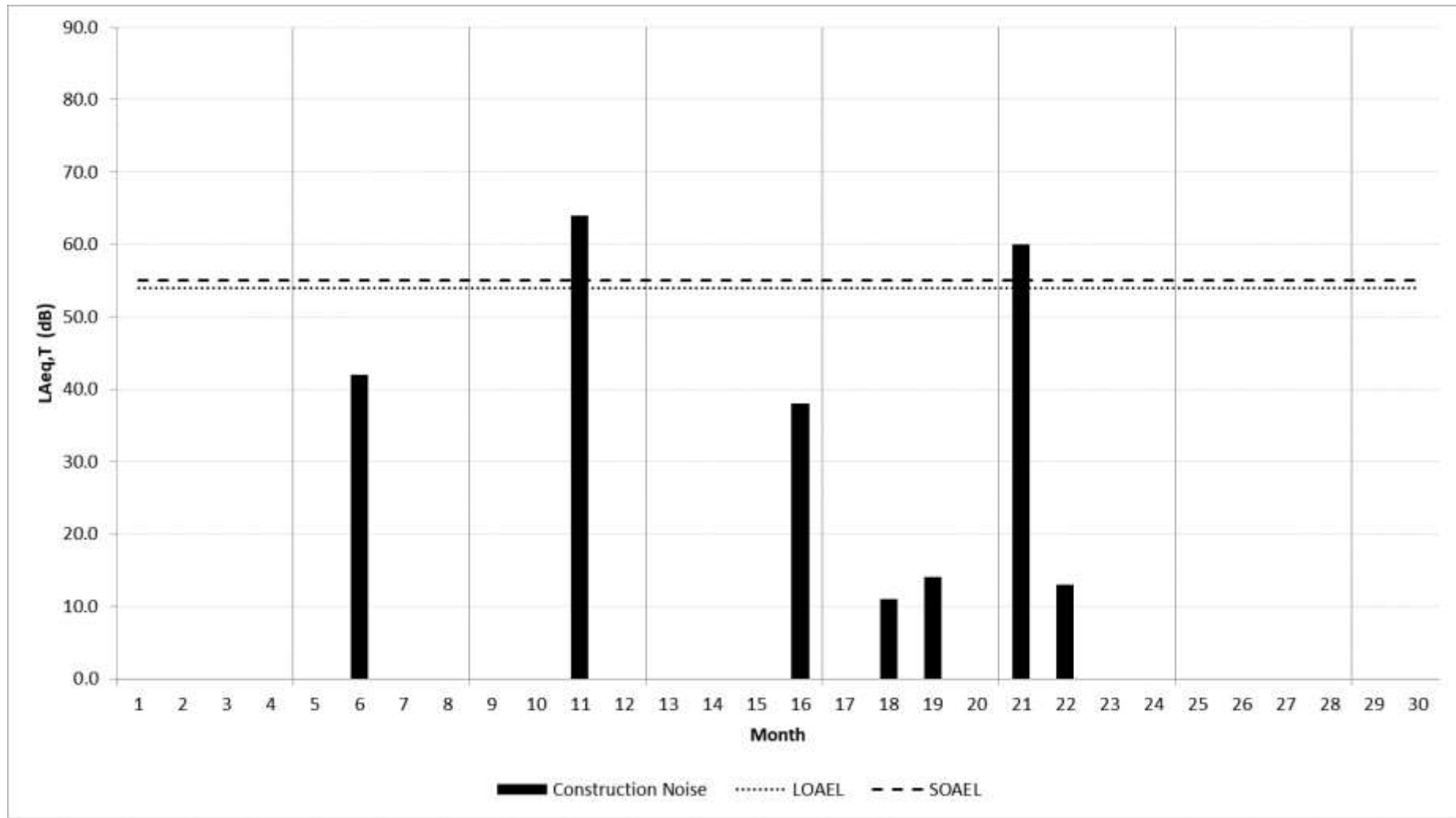


Figure A.11.3.56: R17B - Hilton Lane, Shareshill (Central - Facing Hilton Lane) – Evening/Weekend, Ground Floor



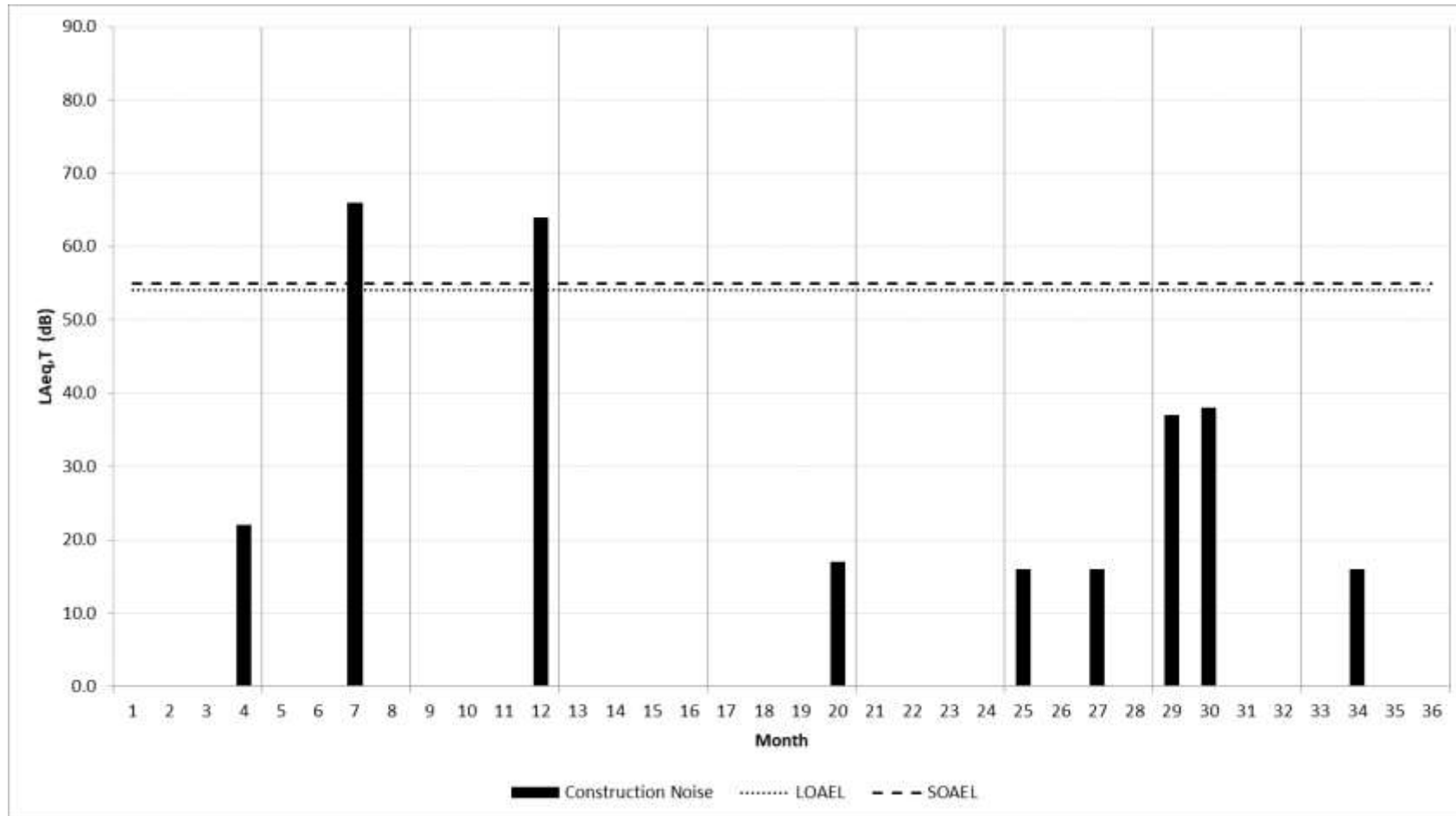
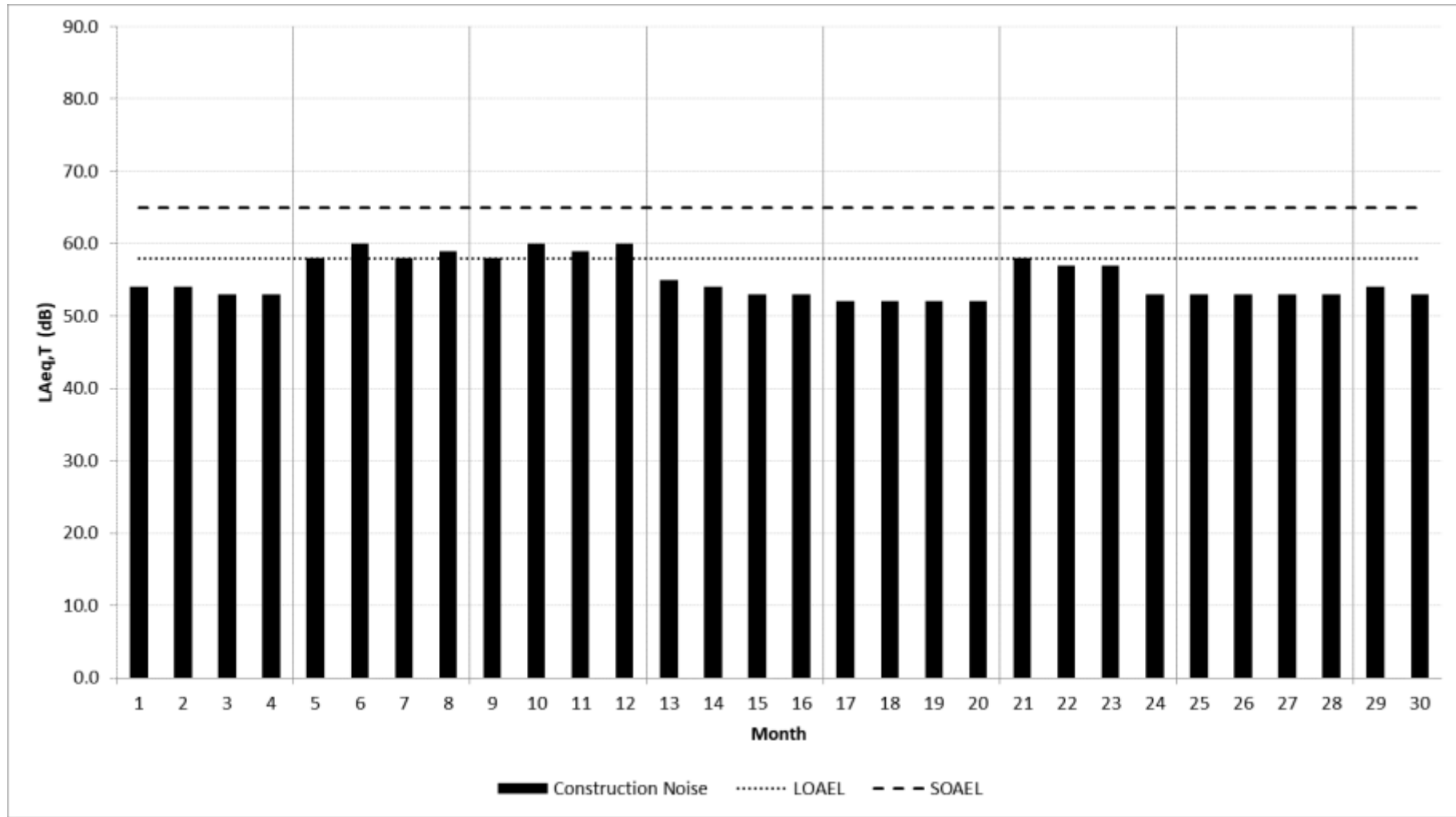


Figure A.11.3.57: R17B - Hilton Lane, Shareshill (Central - Facing Hilton Lane) - Night, First Floor



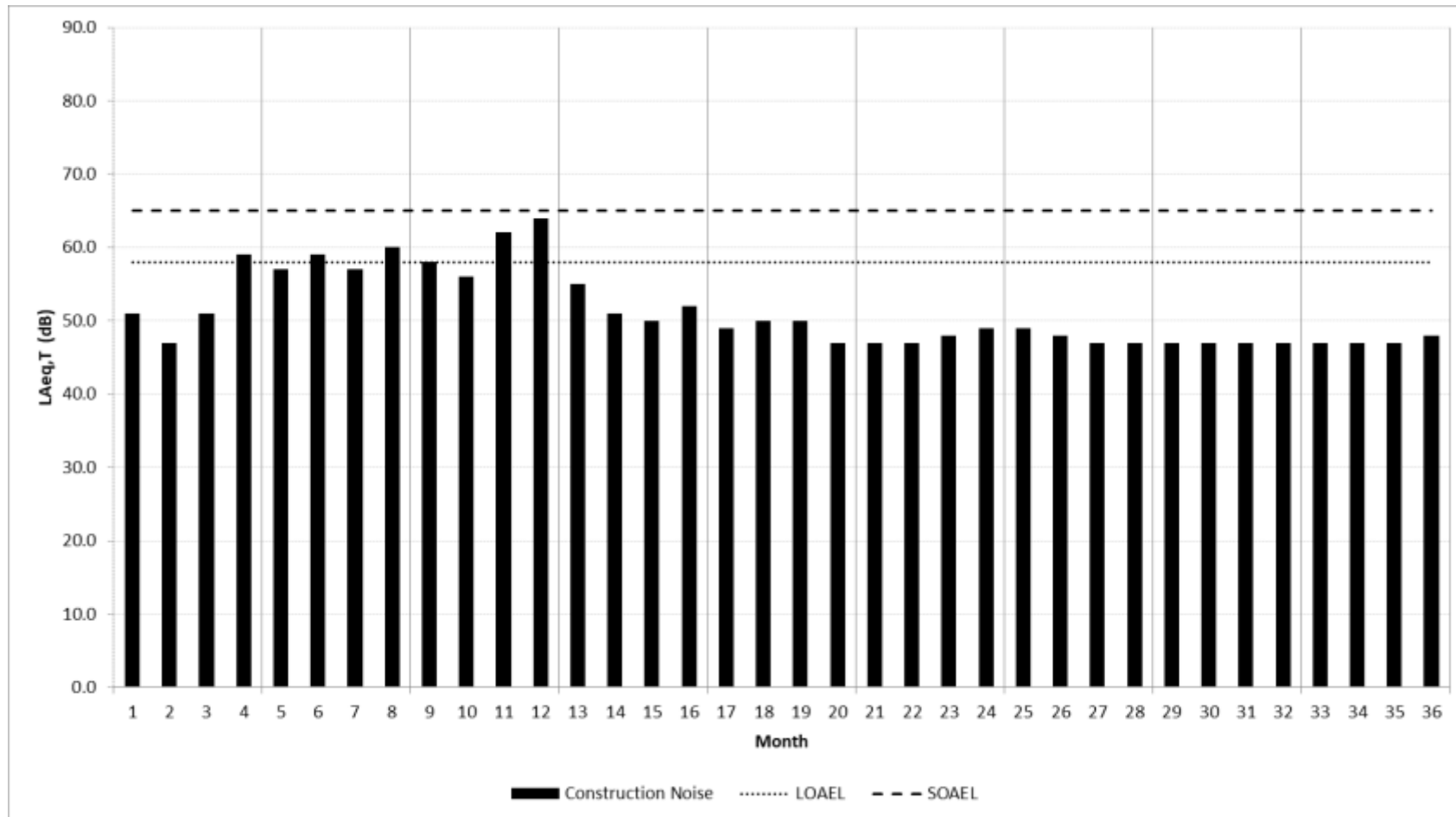
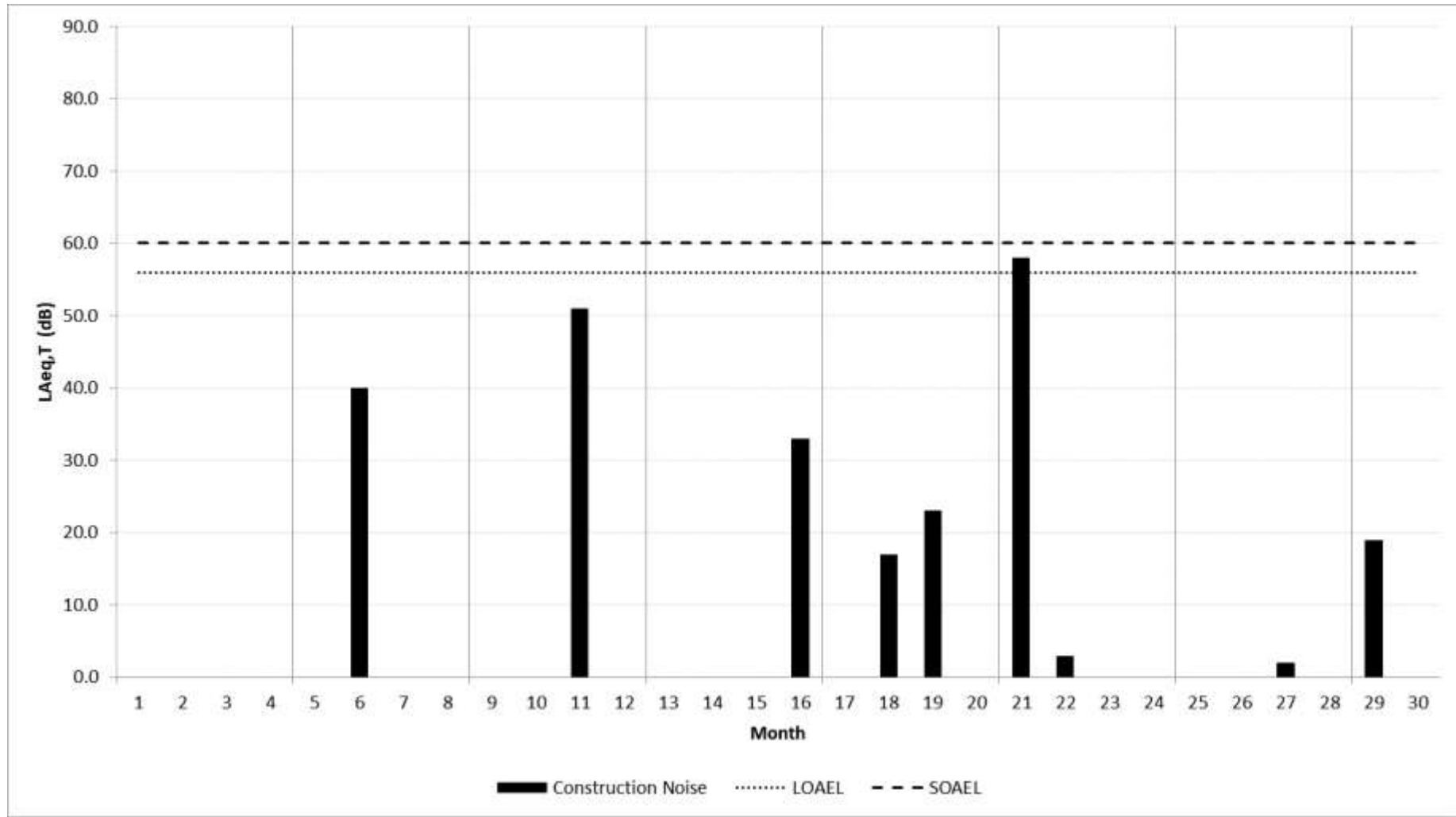


Figure A.11.3.58: R18A - Hilton Lane, Shareshill (North West - Facing Scheme) - Day, Ground Floor



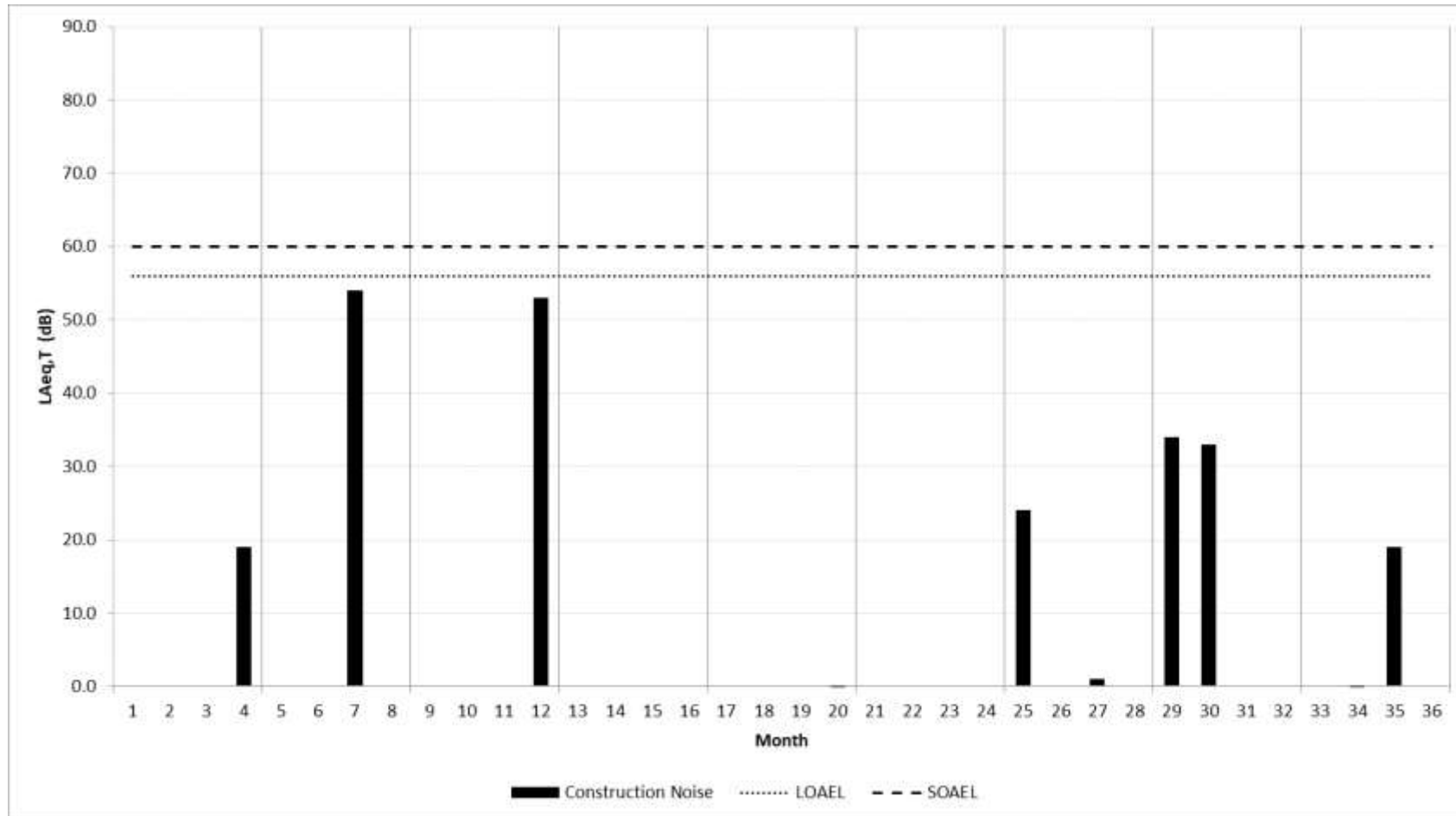
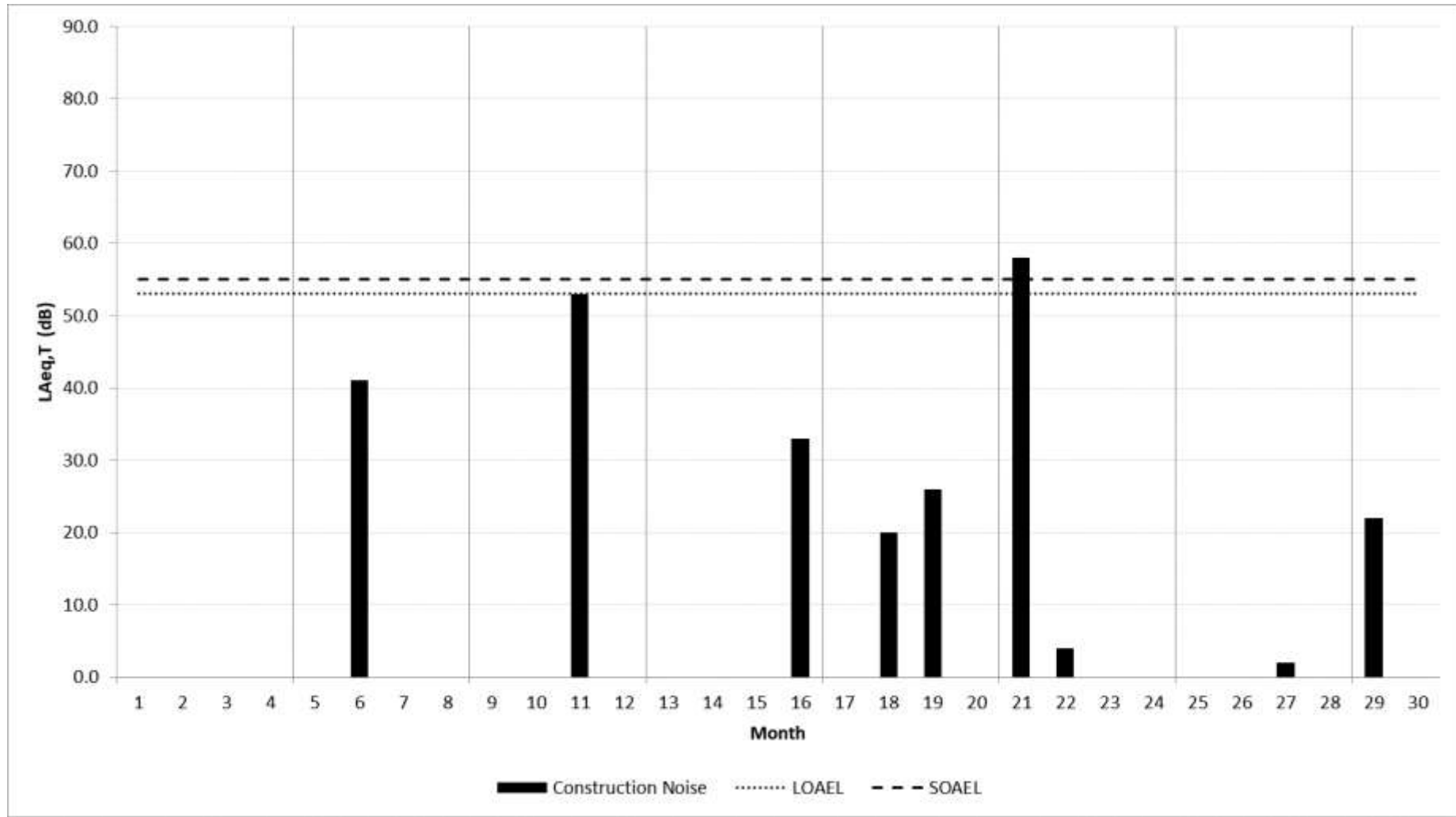


Figure A.11.3.59: R18A - Hilton Lane, Shareshill (North West - Facing Scheme) - Evening/Weekend, Ground Floor



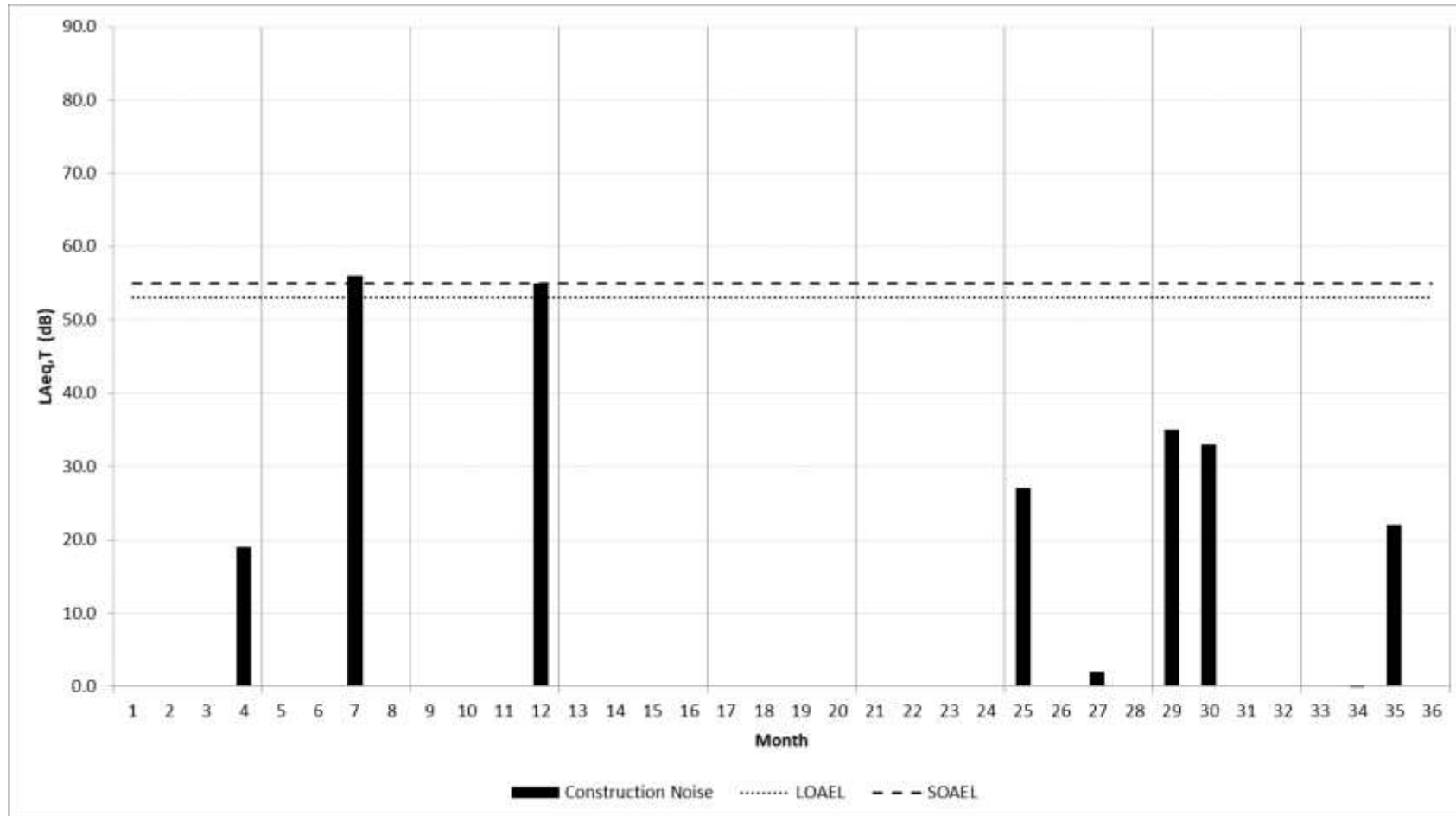
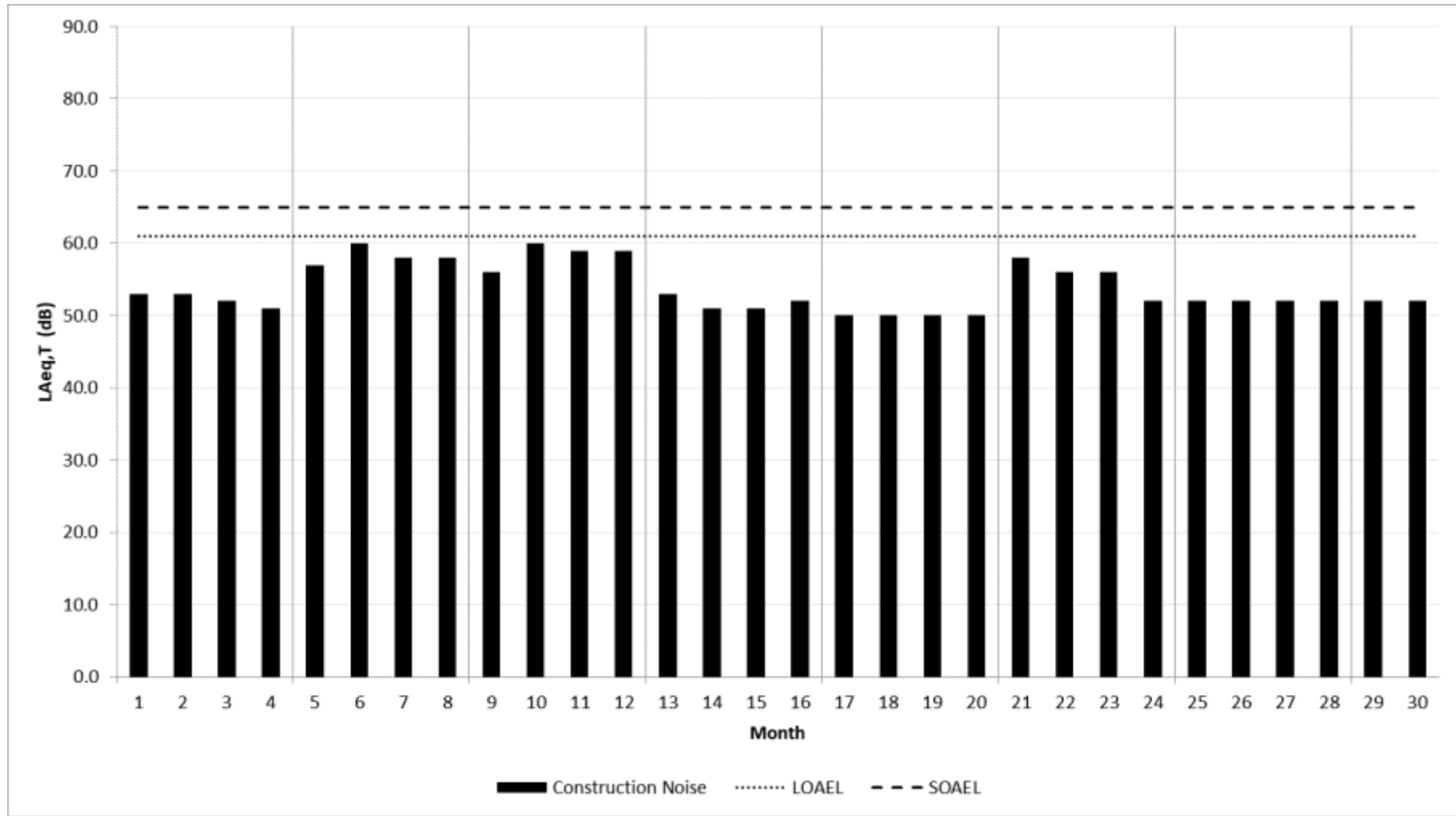


Figure A.11.3.60: R18A - Hilton Lane, Shareshill (North West - Facing Scheme) - Night, Ground Floor



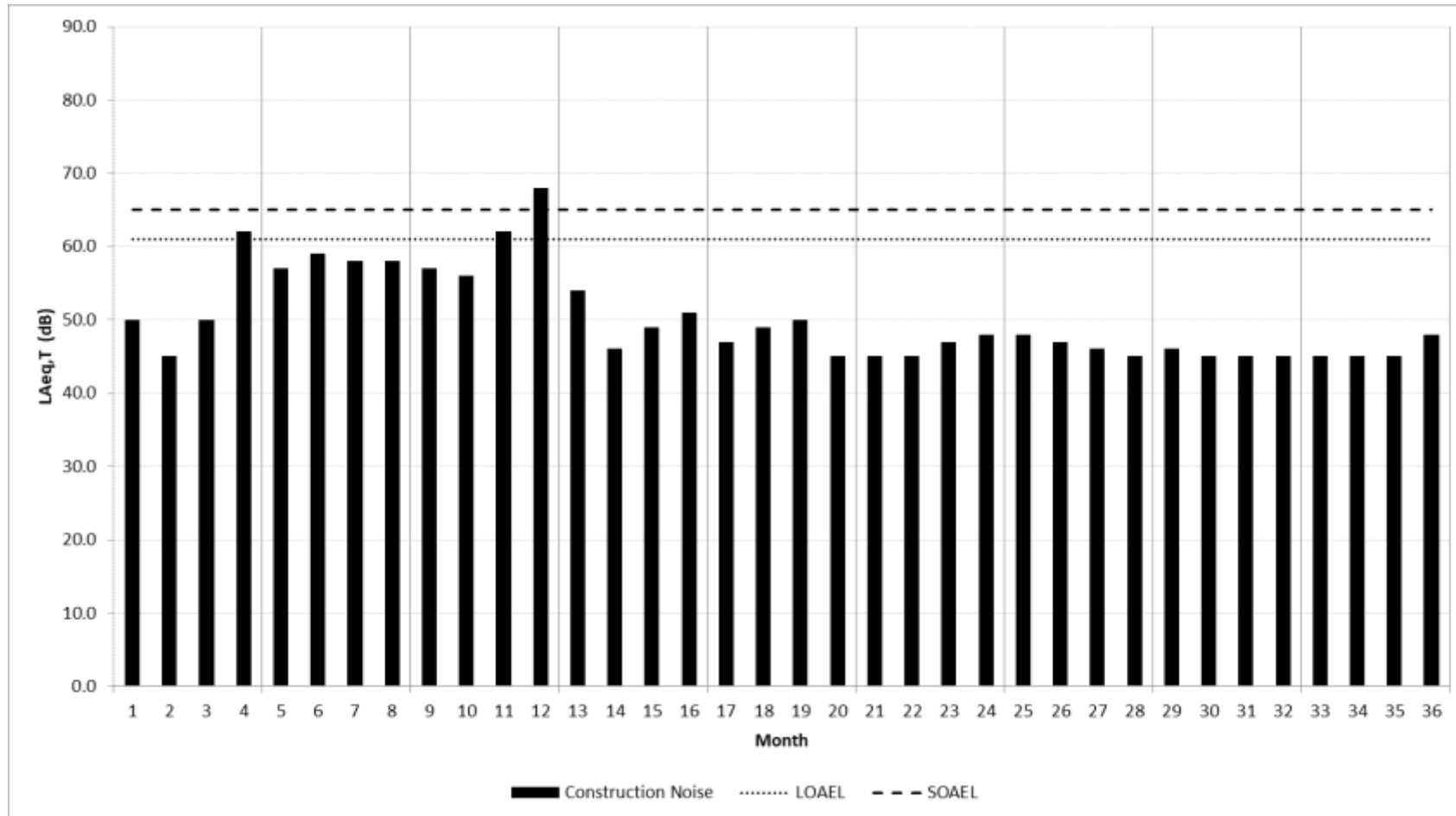
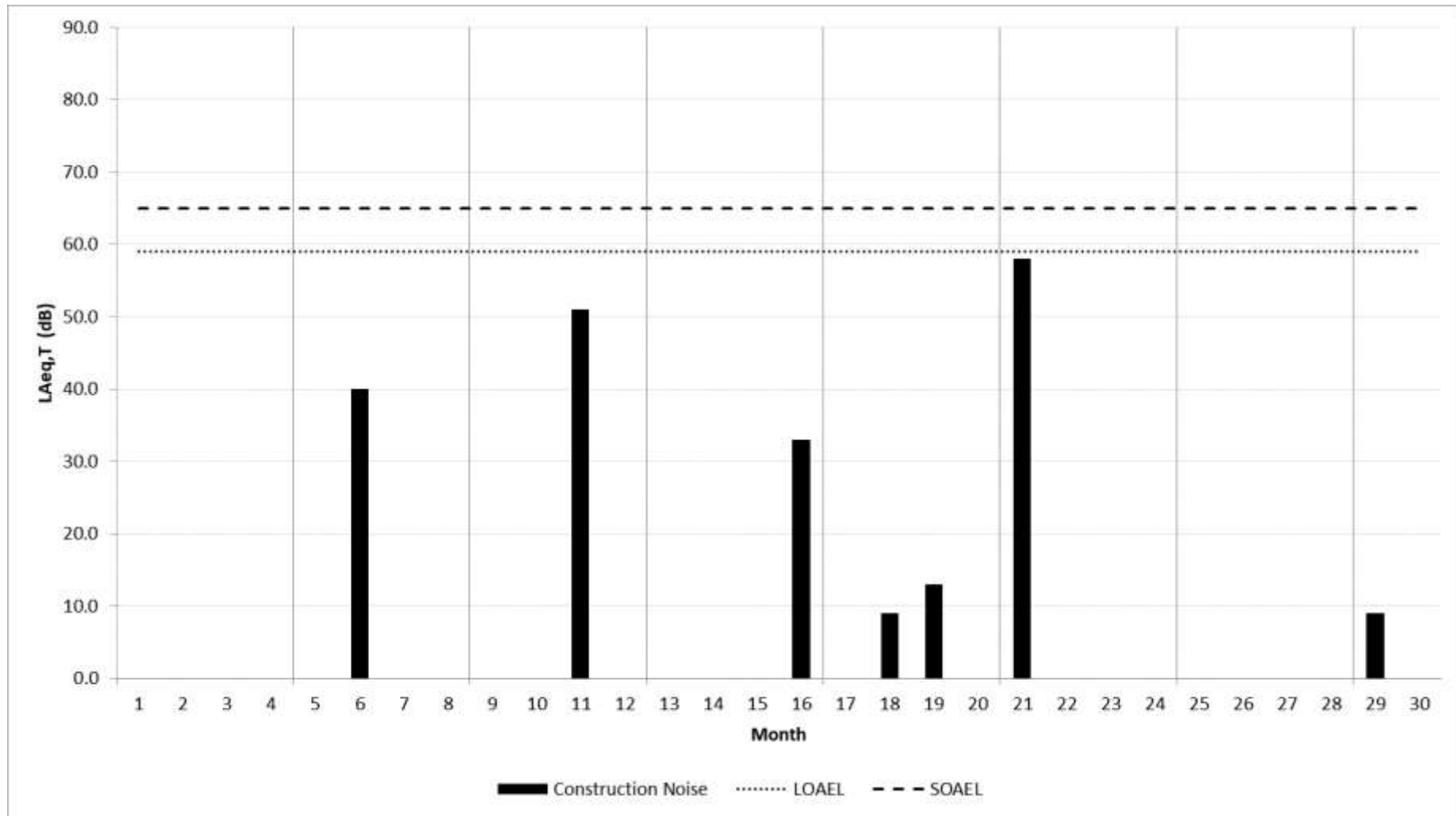


Figure A.11.3.61: R18B - Hilton Lane, Shareshill (North West - Facing Hilton Lane) - Day, Ground Floor



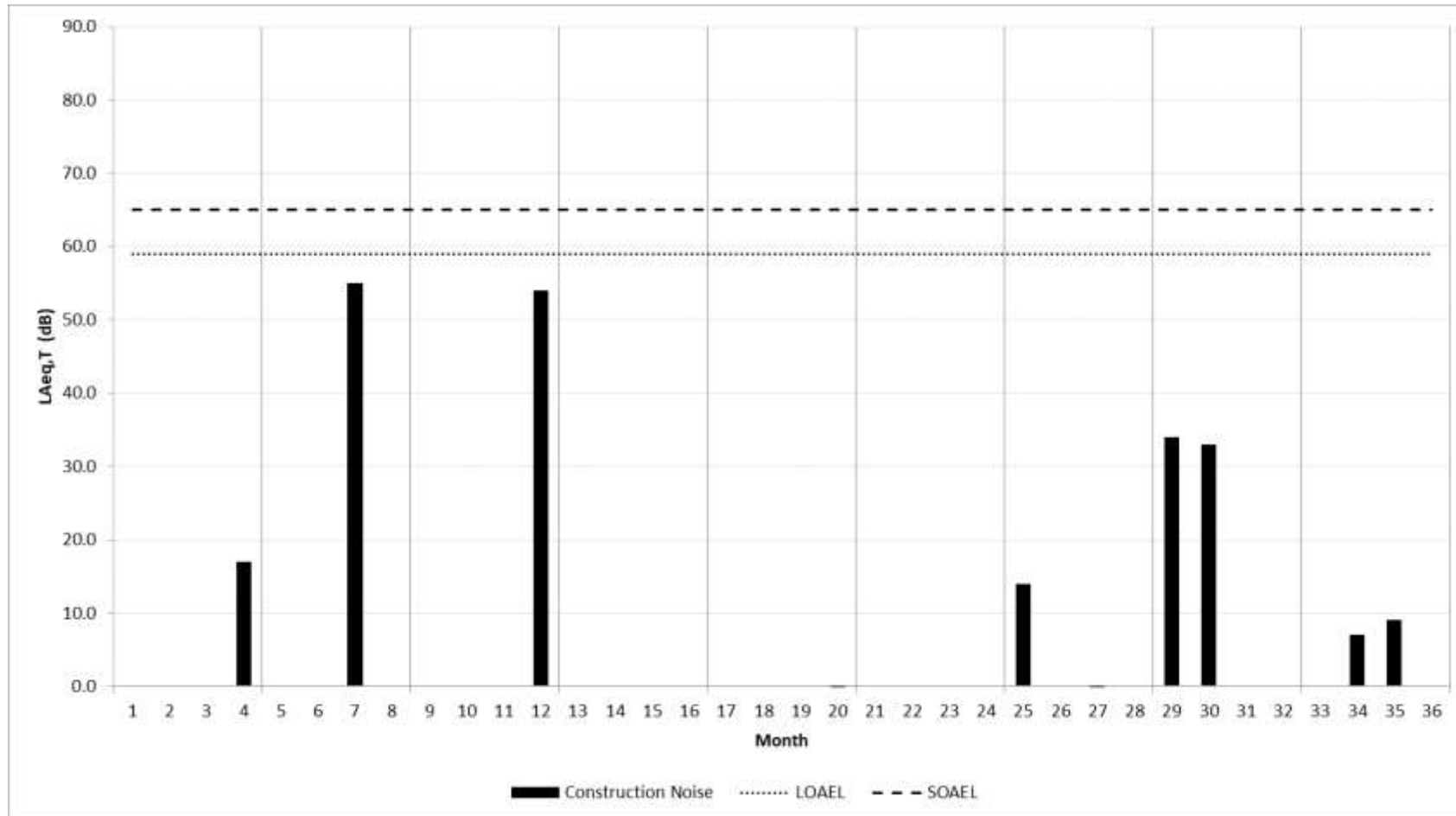
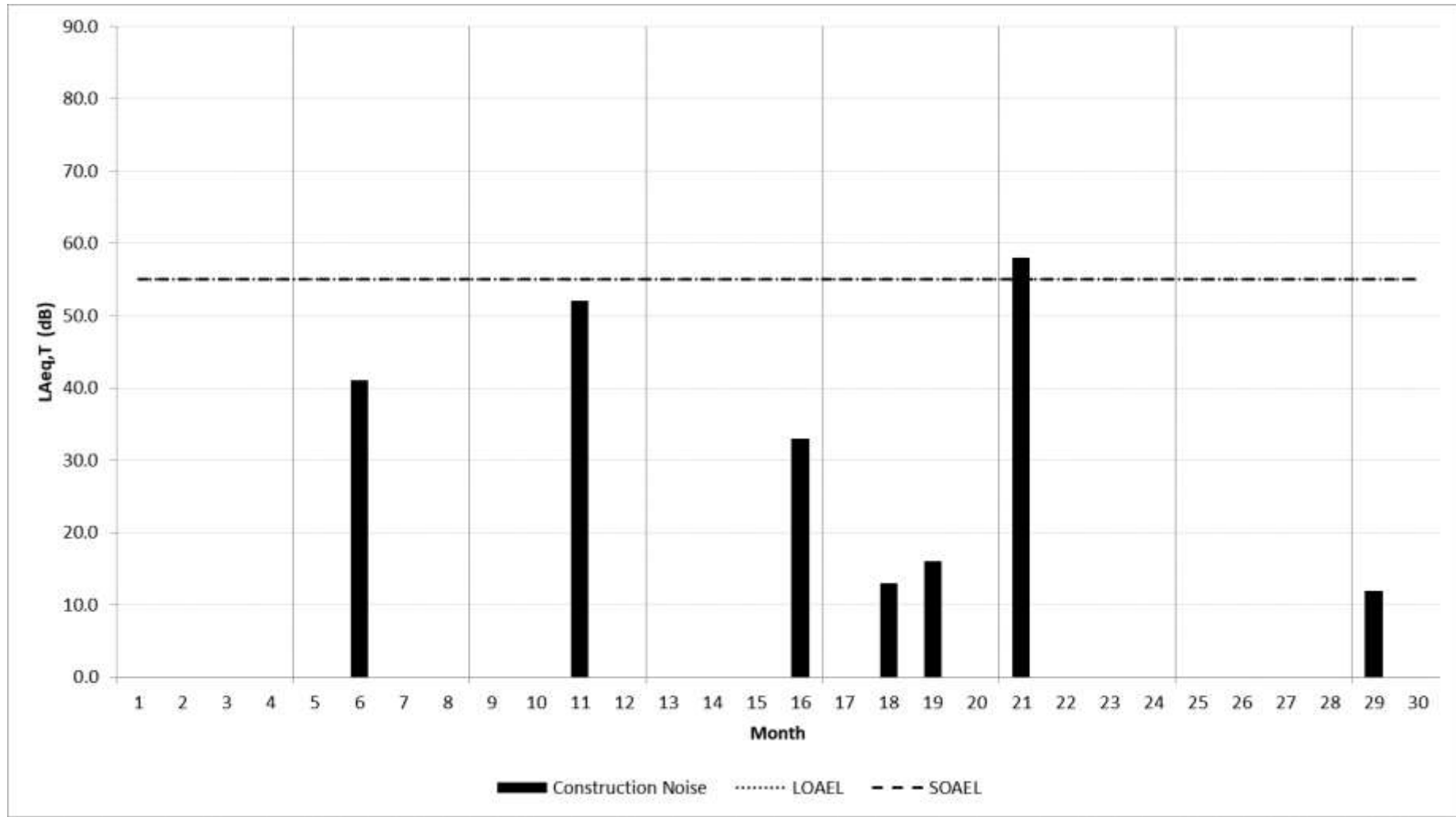


Figure A.11.3.62: R18B - Hilton Lane, Shareshill (North West - Facing Hilton Lane) – Evening/Weekend, Ground Floor



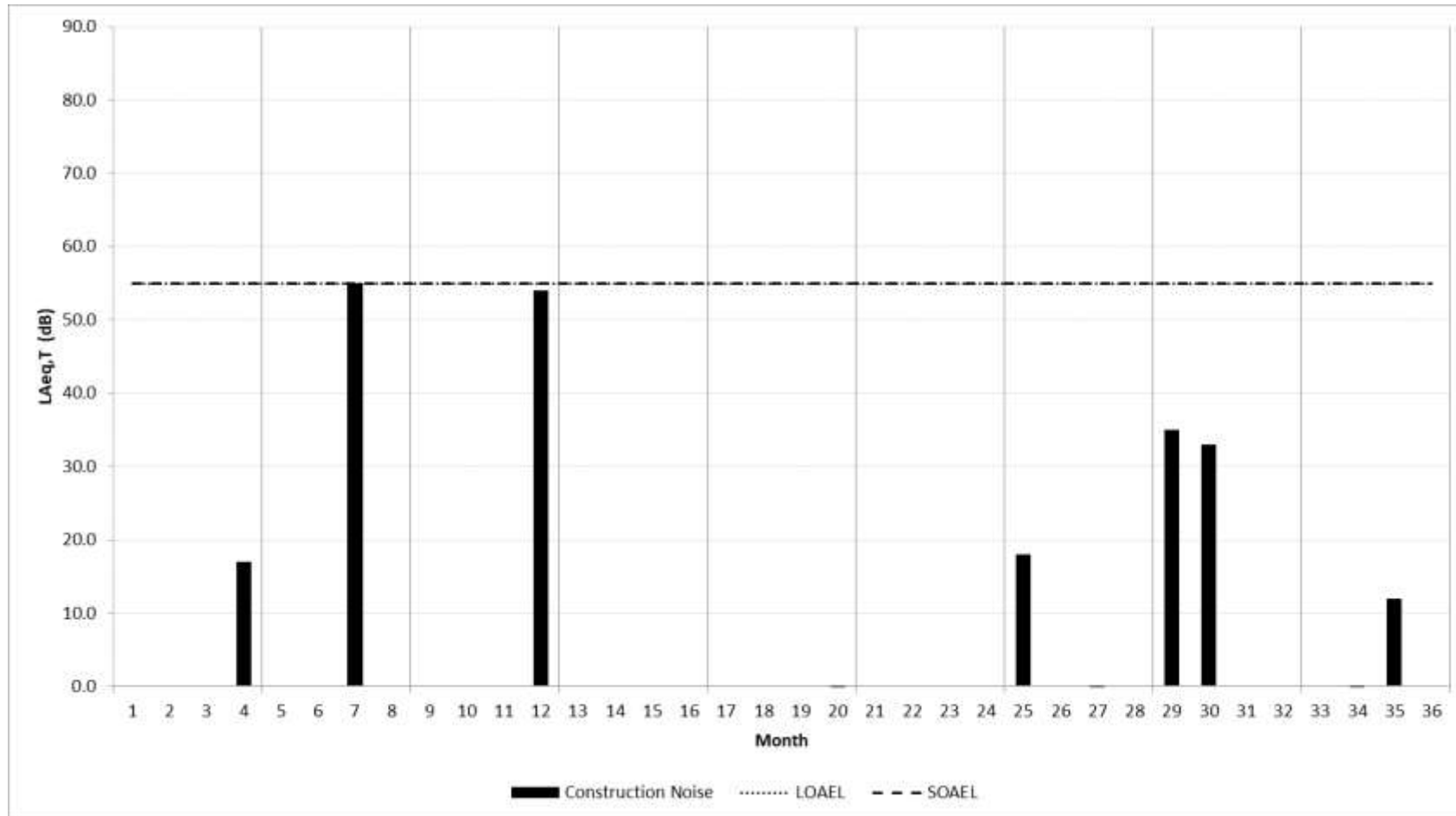
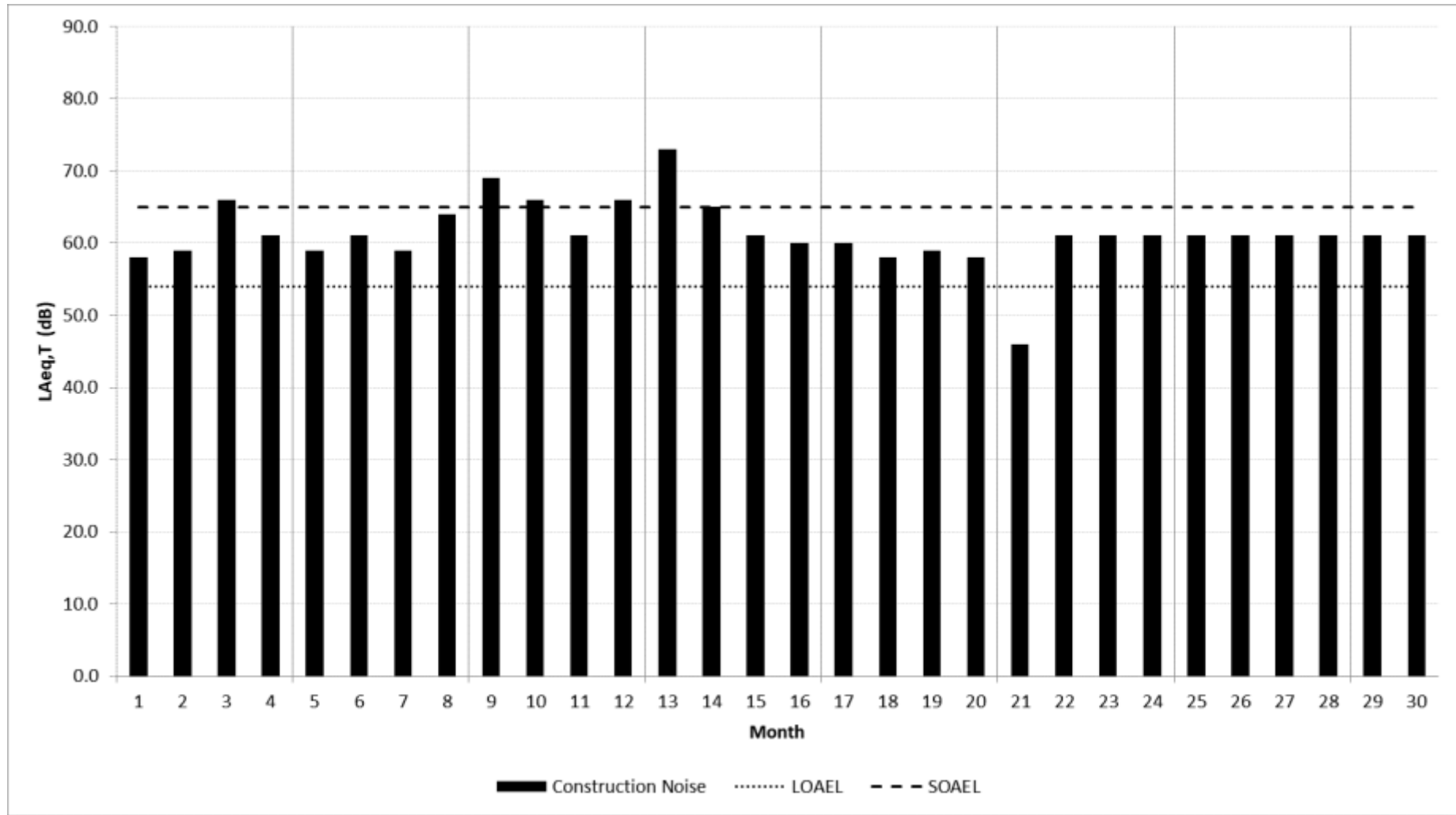


Figure A.11.3.63: R18B - Hilton Lane, Shareshill (North West - Facing Hilton Lane) - Night, First Floor



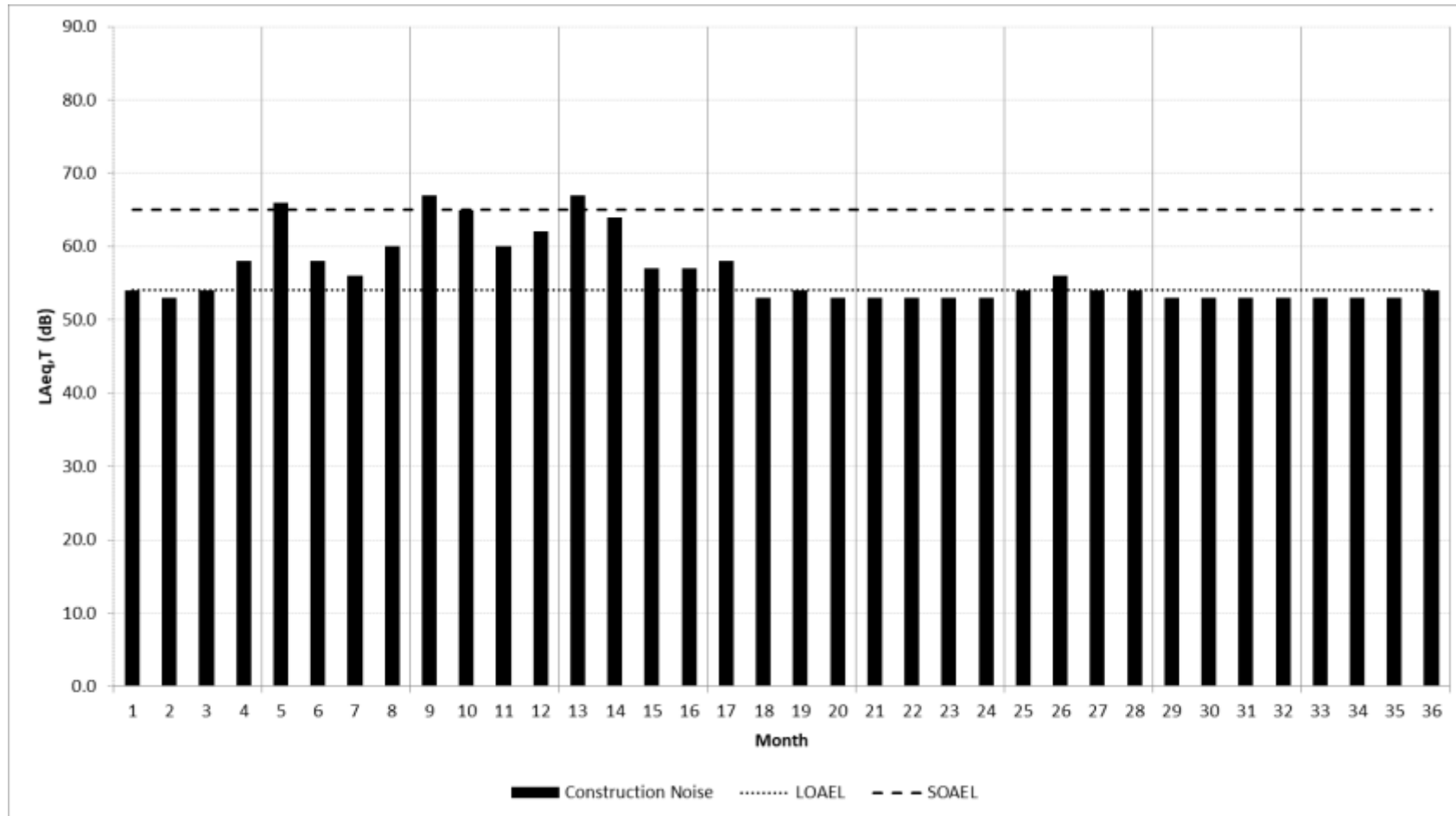
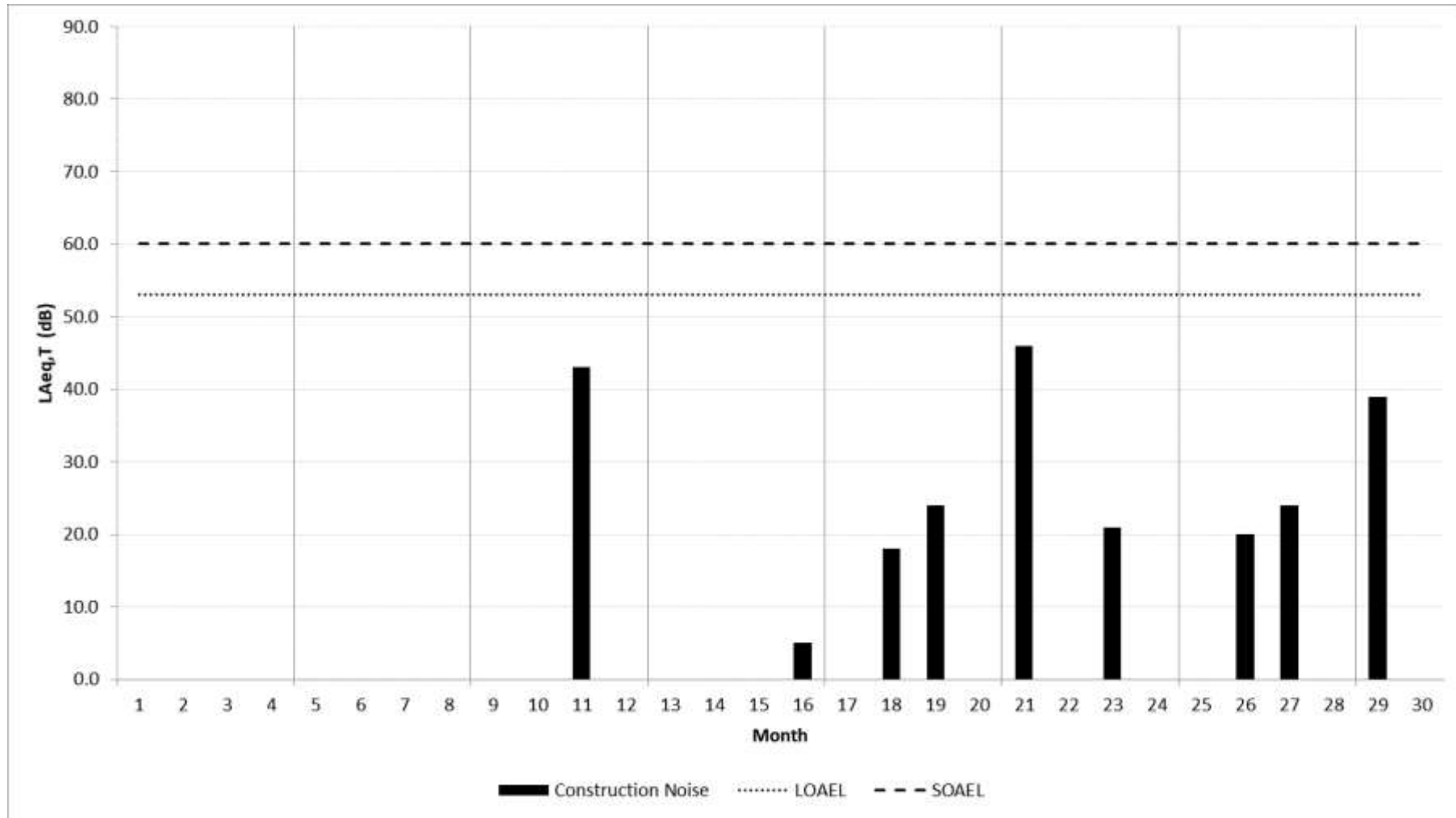


Figure A.11.3.64: R19 - Brookfield Farm, Cannock Road, Shareshill – Day, Ground Floor



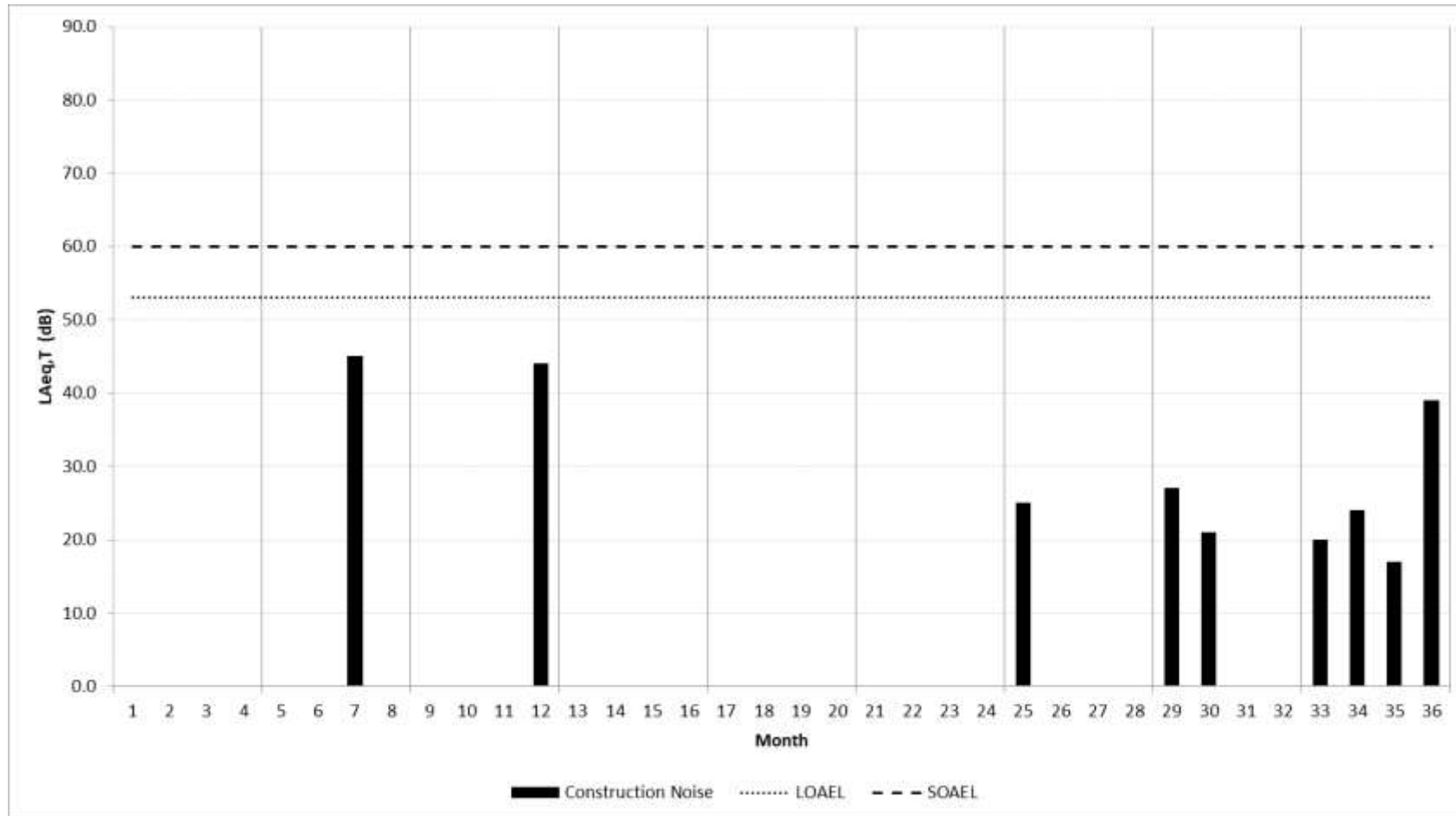
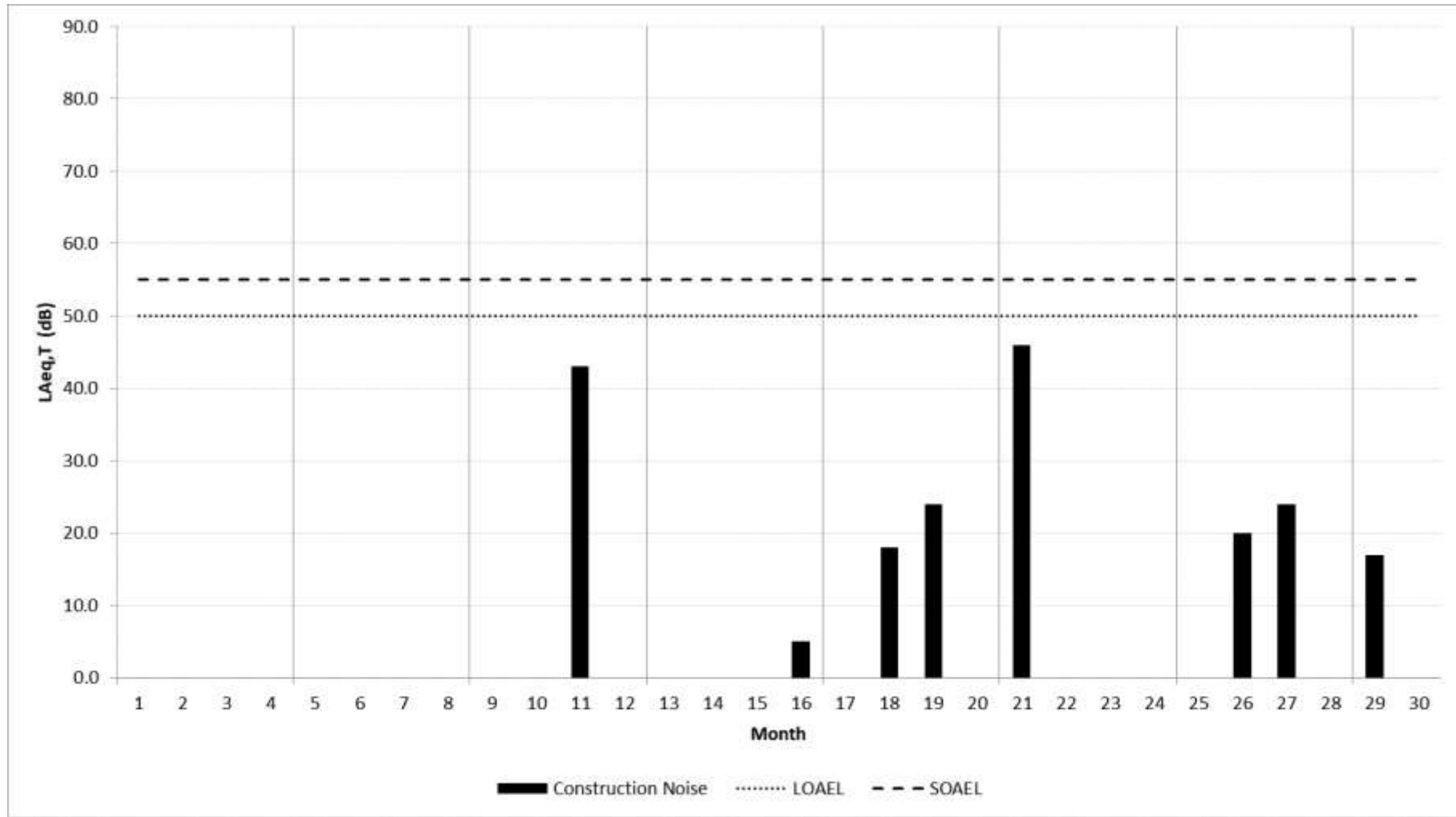


Figure A.11.3.65: R19 - Brookfield Farm, Cannock Road, Shareshill – Evening/Weekend, Ground Floor



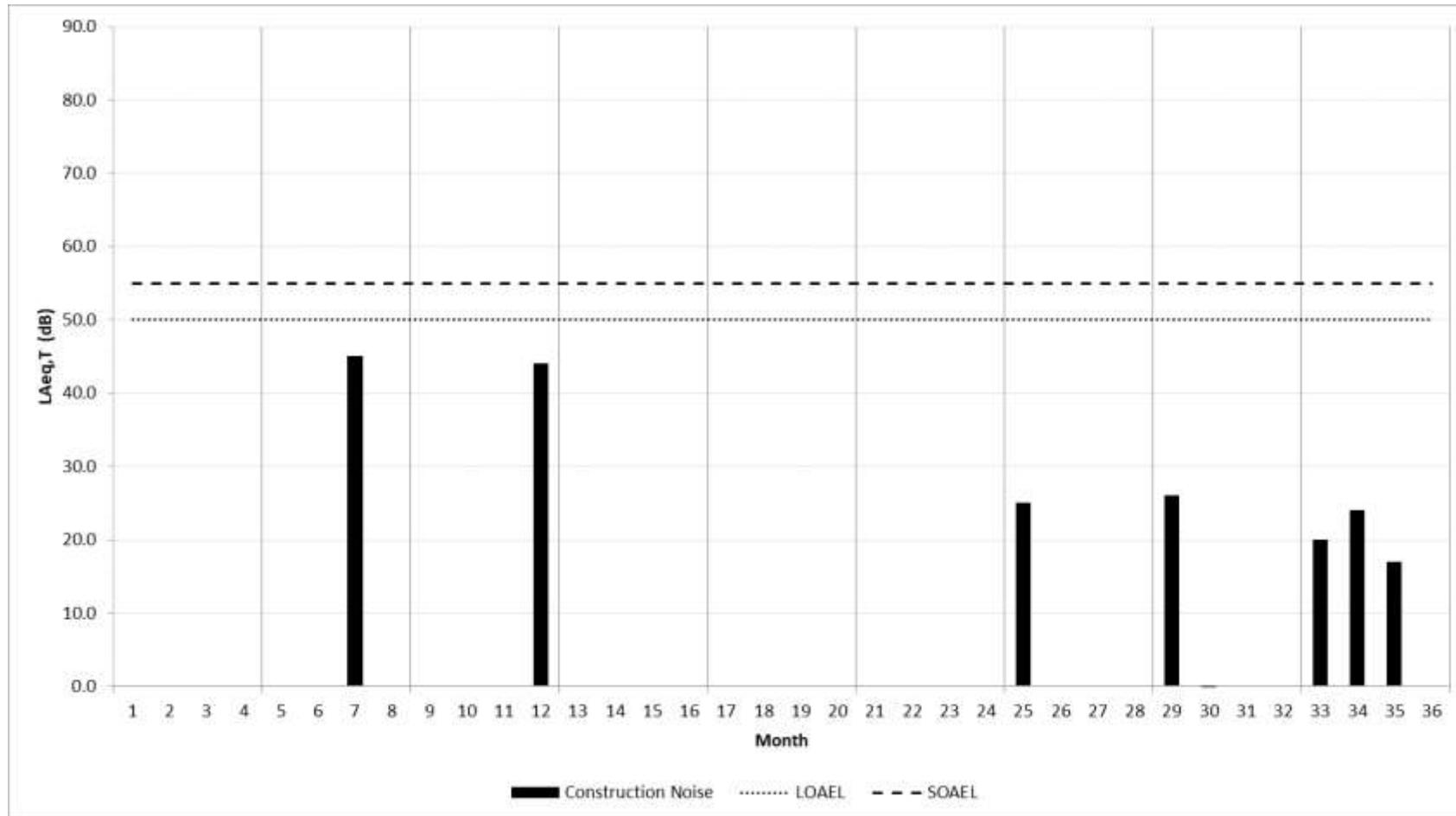
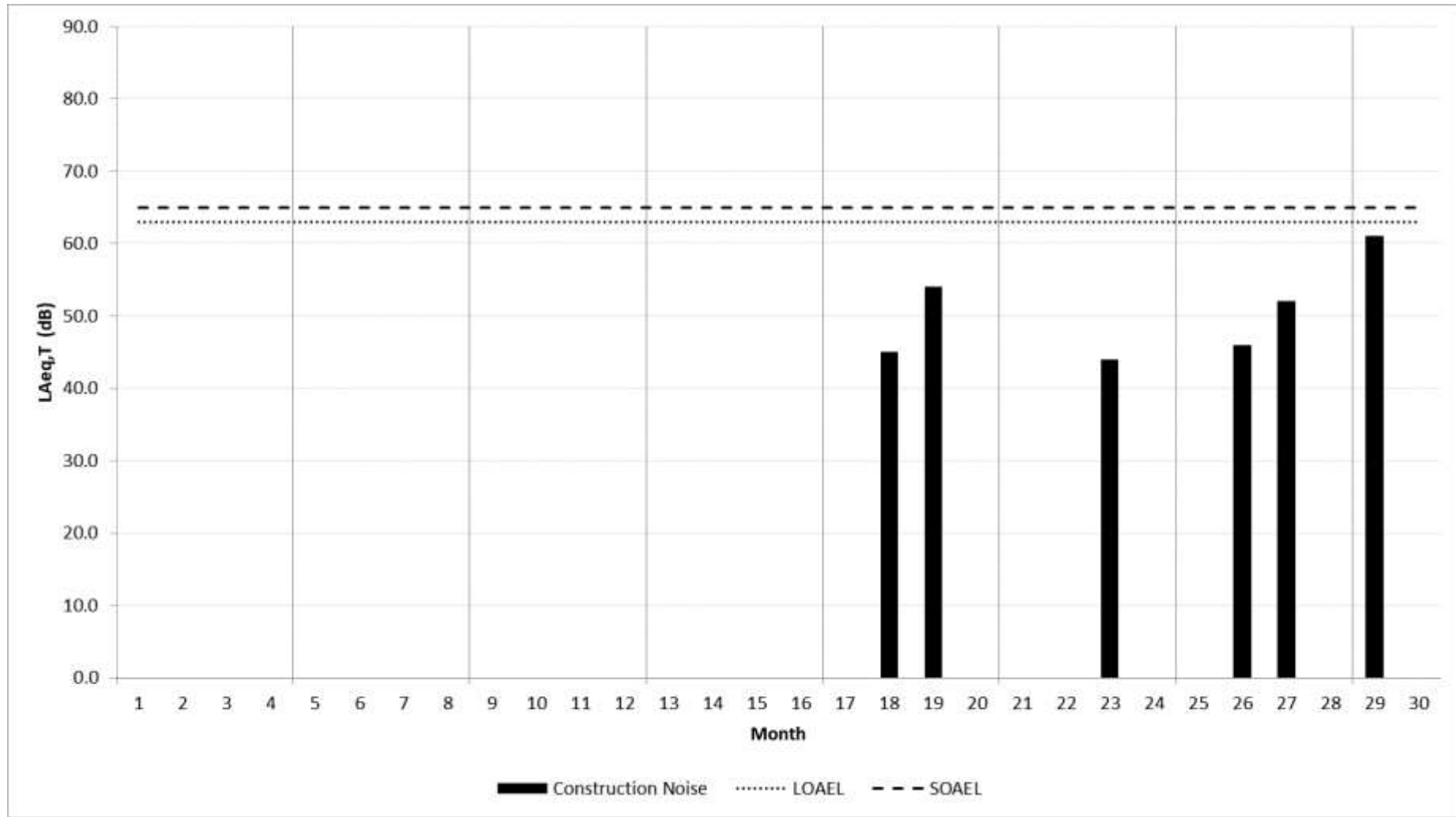


Figure A.11.3.66: R19 - Brookfield Farm, Cannock Road, Shareshill – Night, Ground Floor



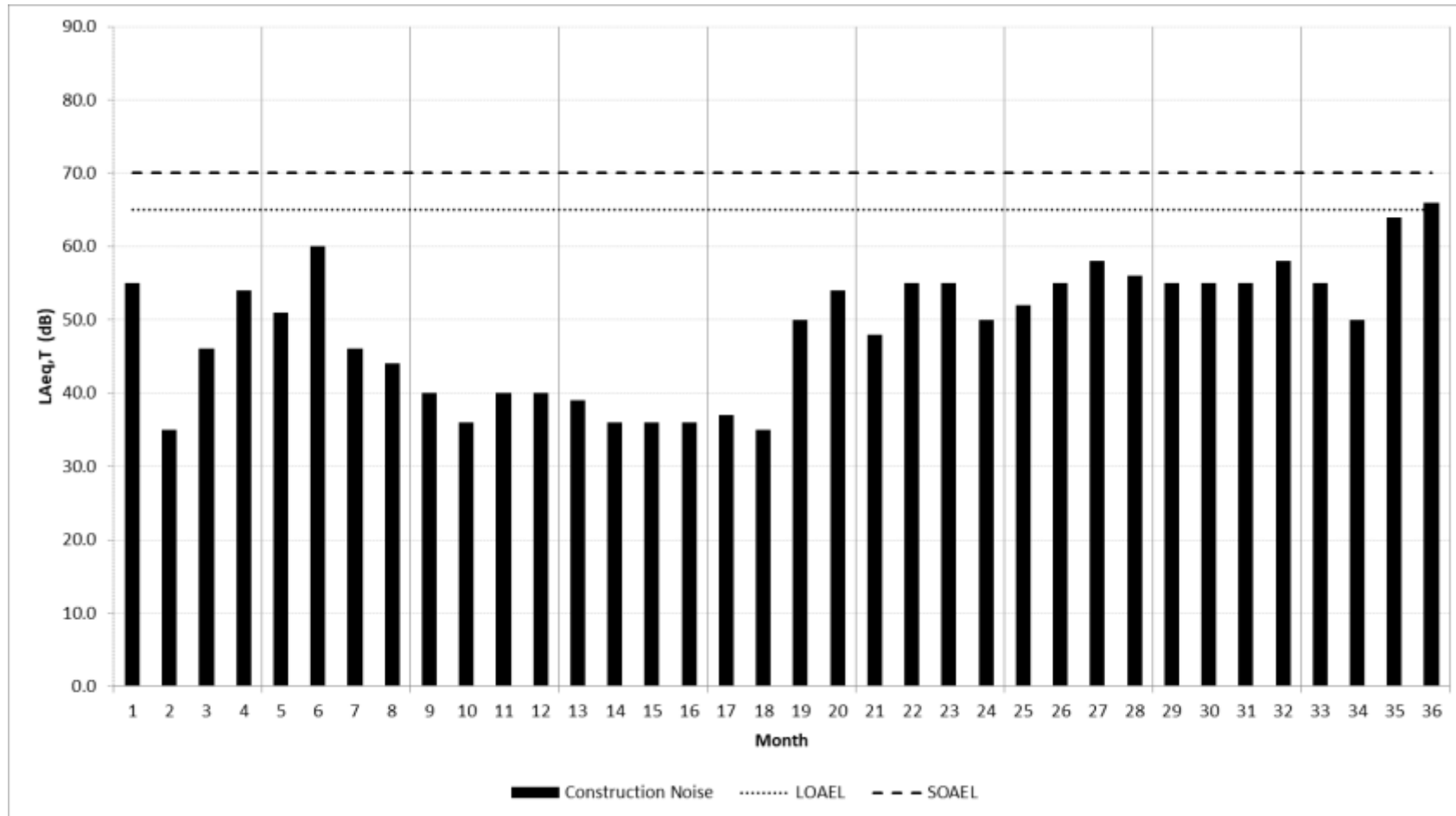


Figure A.11.3.67: R20 - Wolverhampton Road (South) – Day, Ground Floor

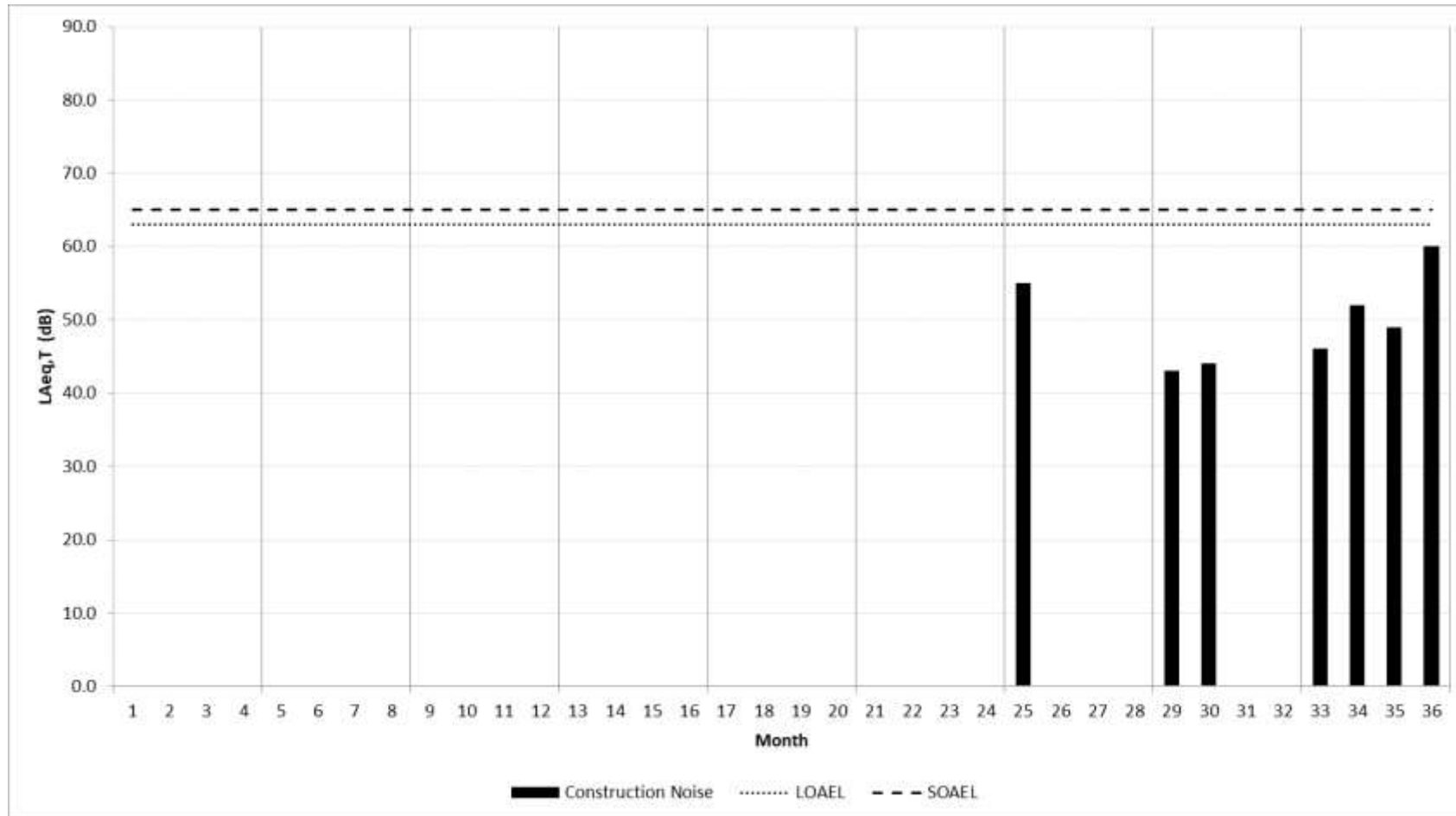
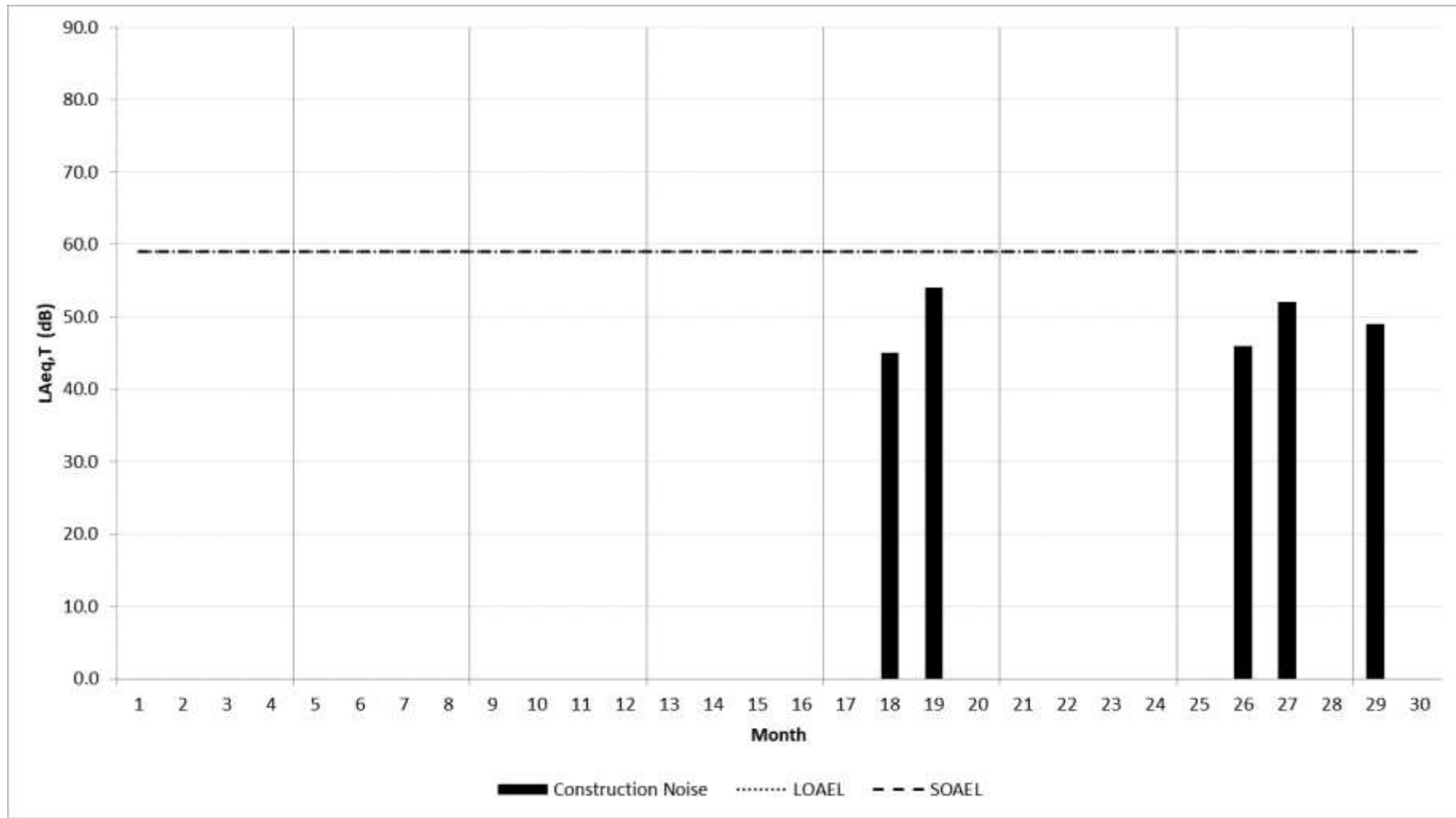


Figure A.11.3.68: R20 - Wolverhampton Road (South) – Evening/Weekend, Ground Floor



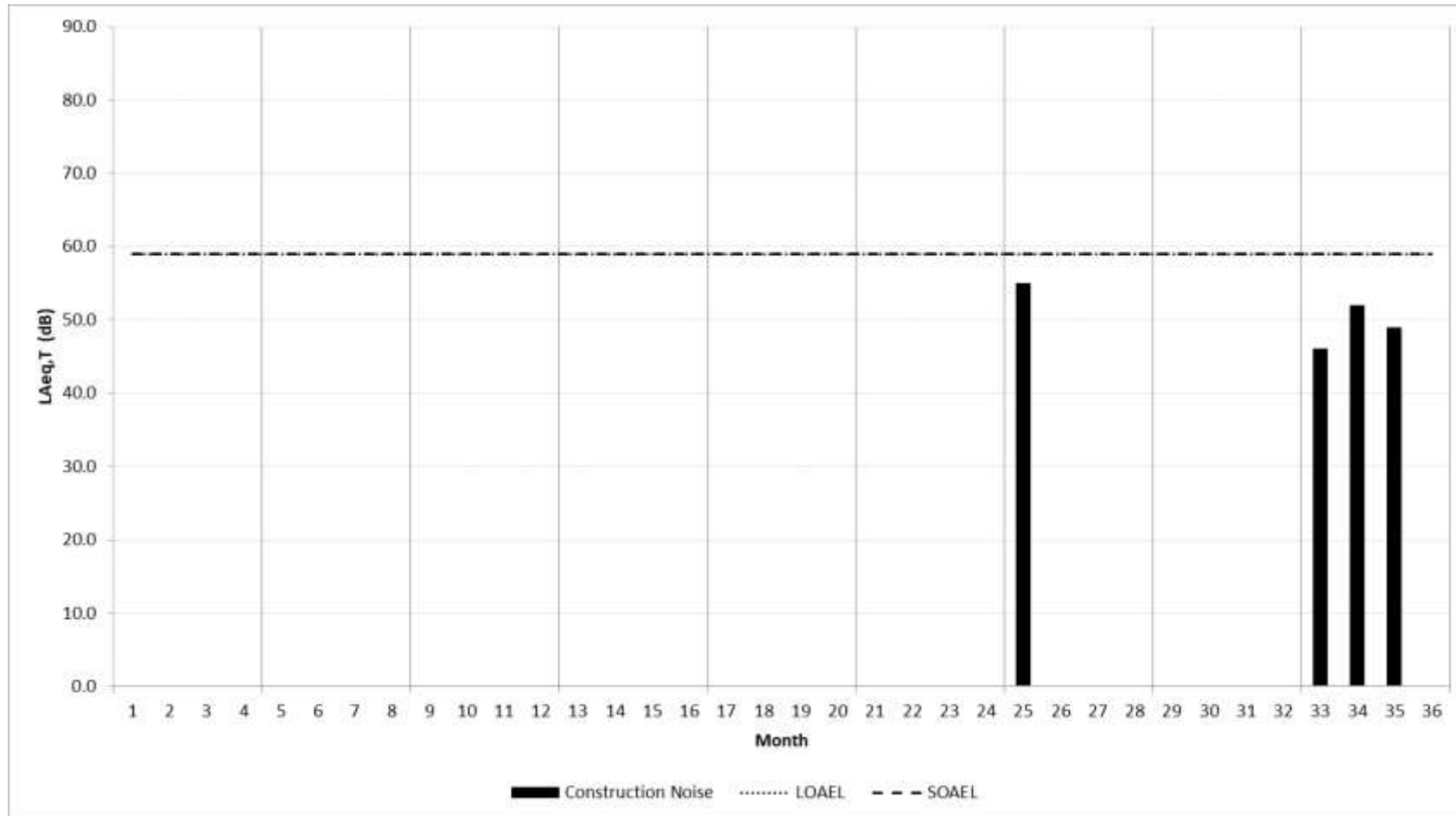
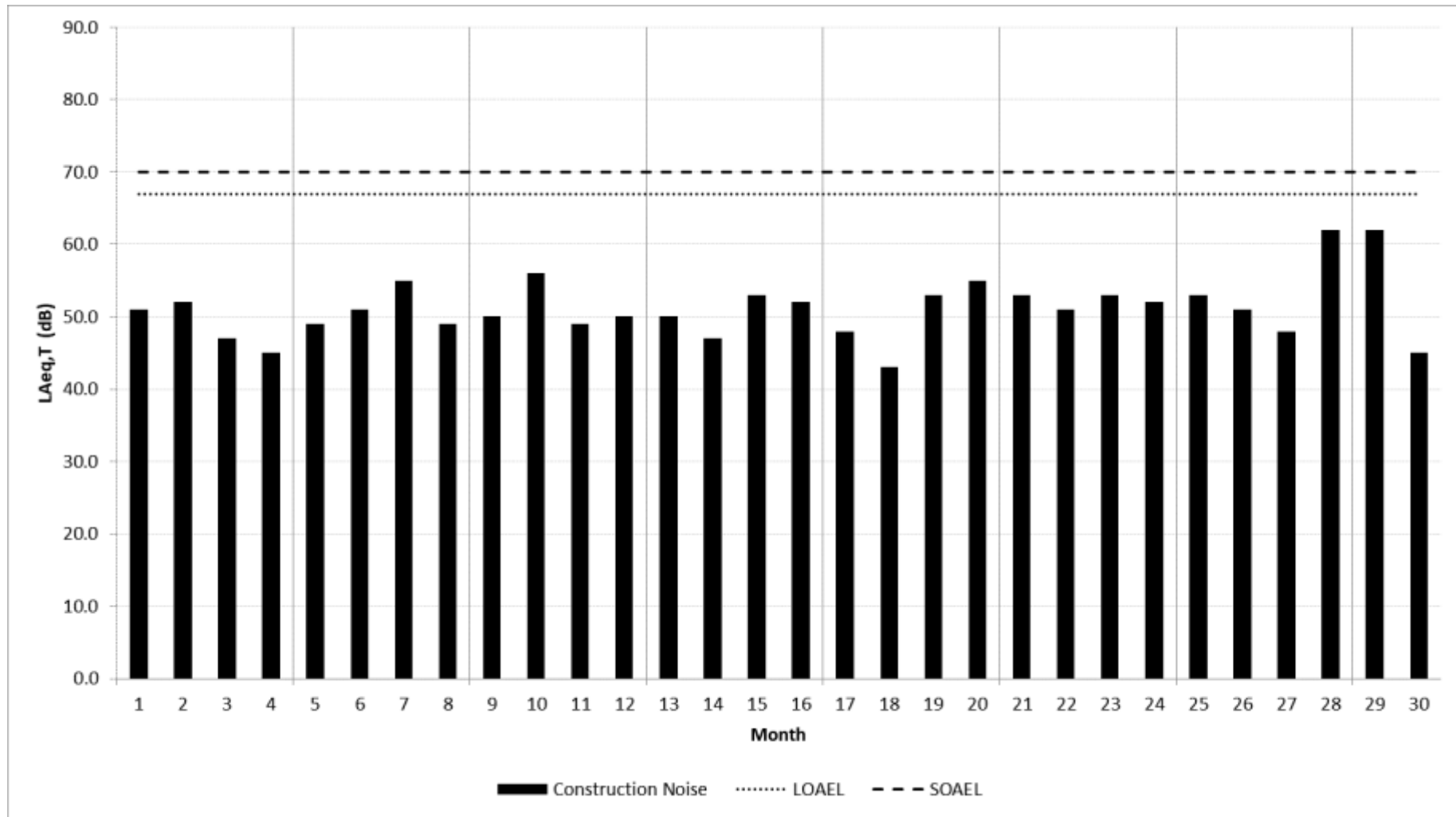


Figure A.11.3.69: R20 - Wolverhampton Road (South) – Night, Ground Floor



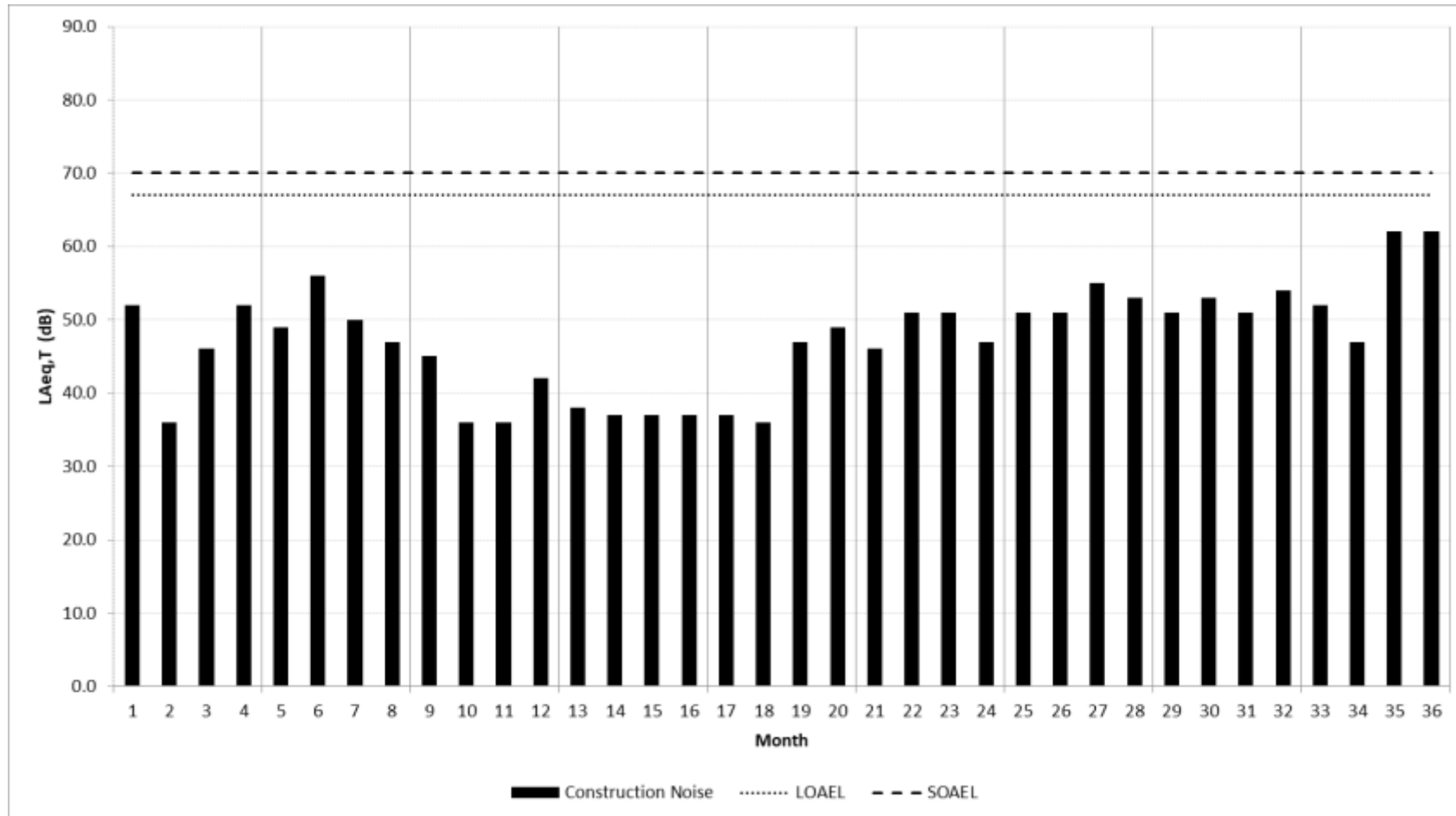
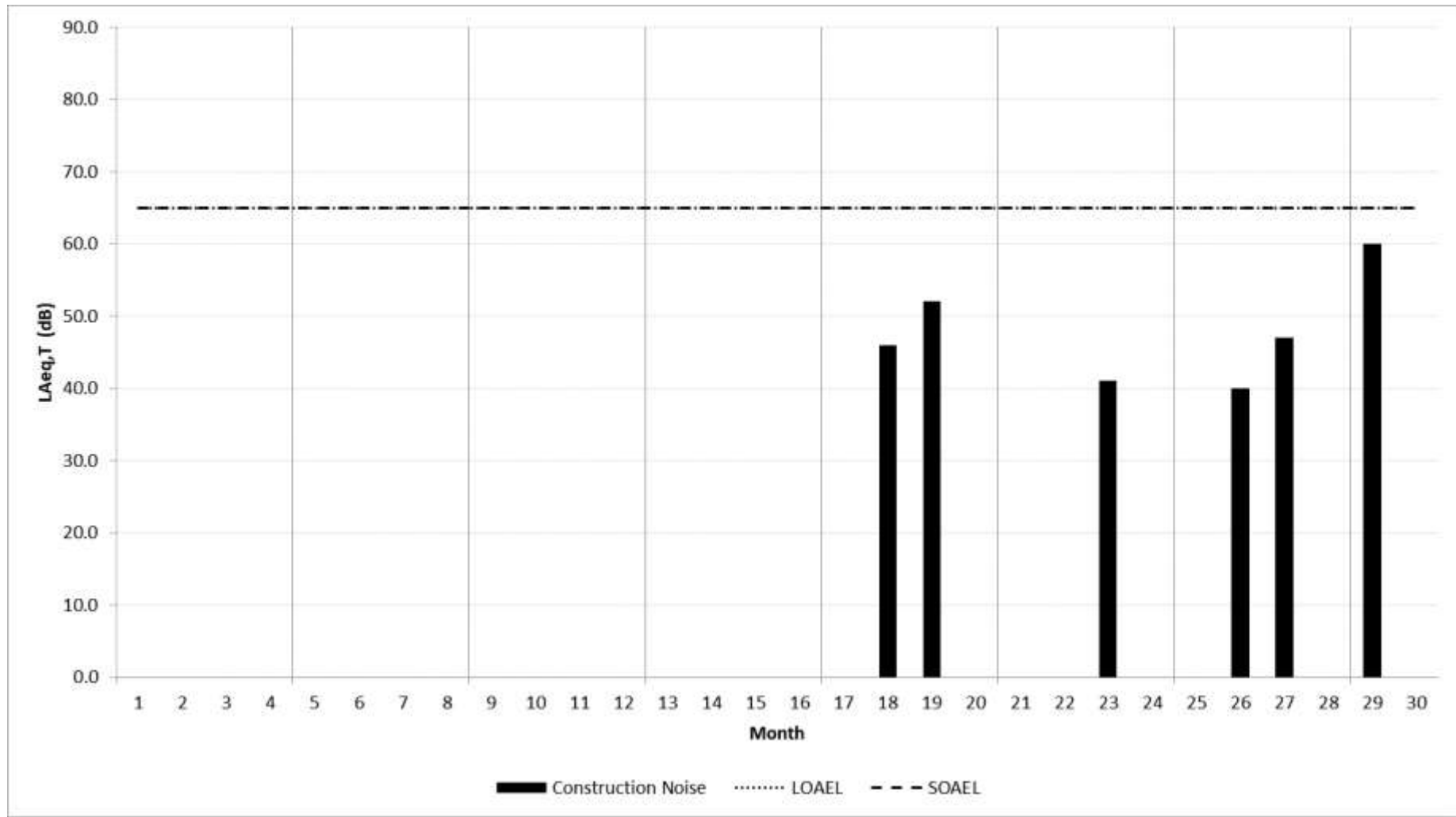


Figure A.11.3.70: R21 - Wolverhampton Road (North) – Day, Ground Floor



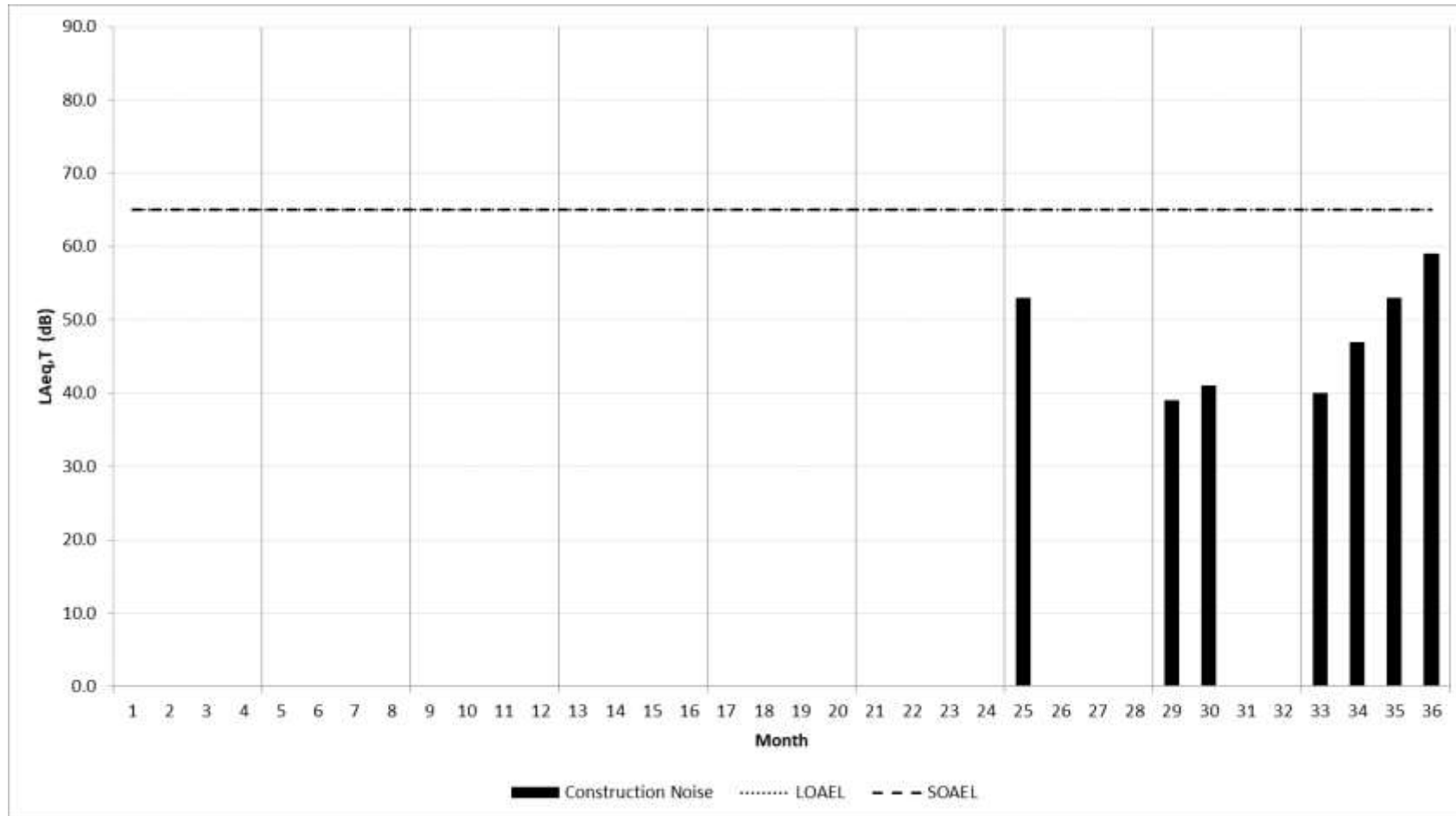
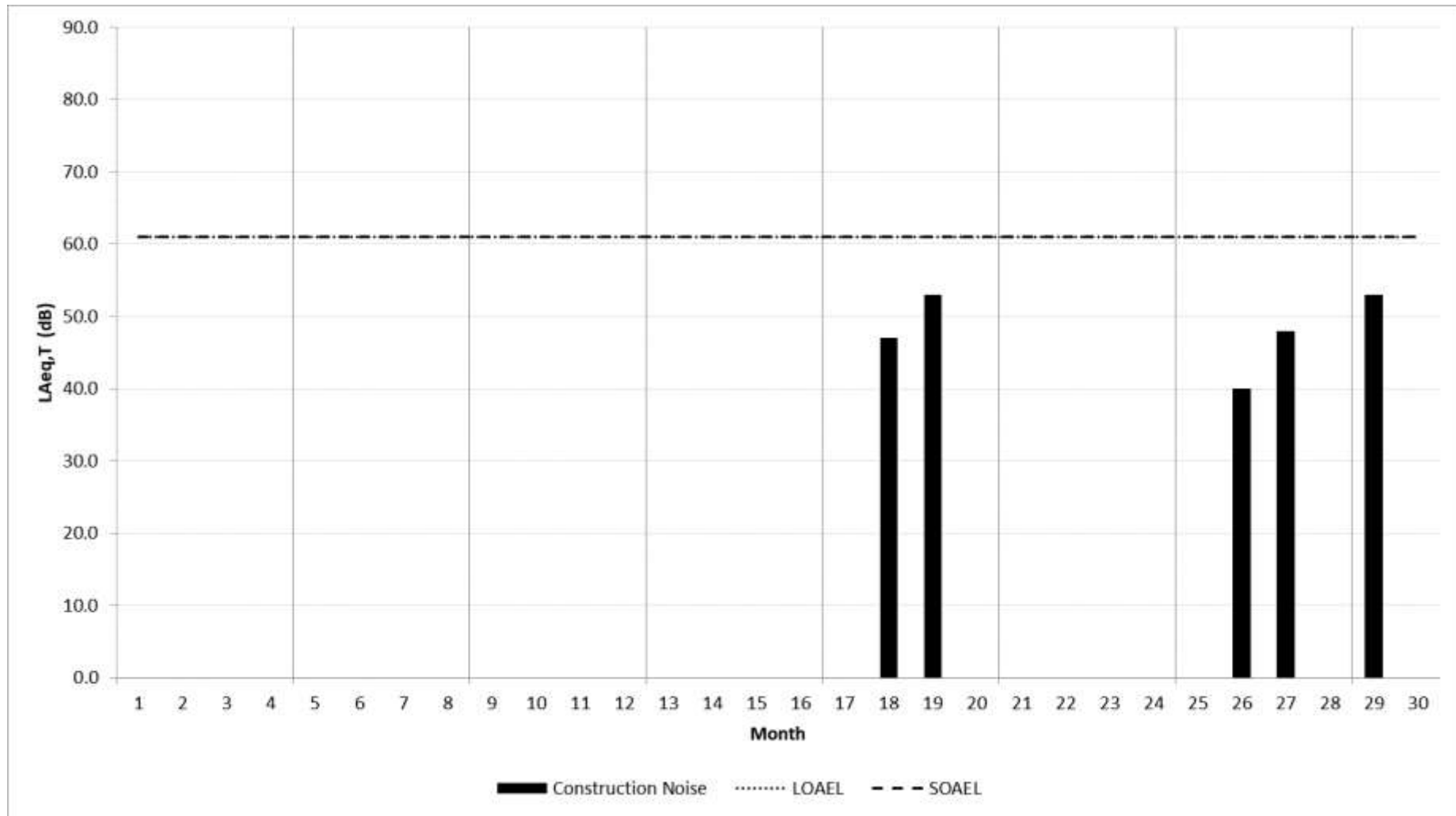


Figure A.11.3.71: R21 - Wolverhampton Road, (North) – Evening/Weekend, Ground Floor



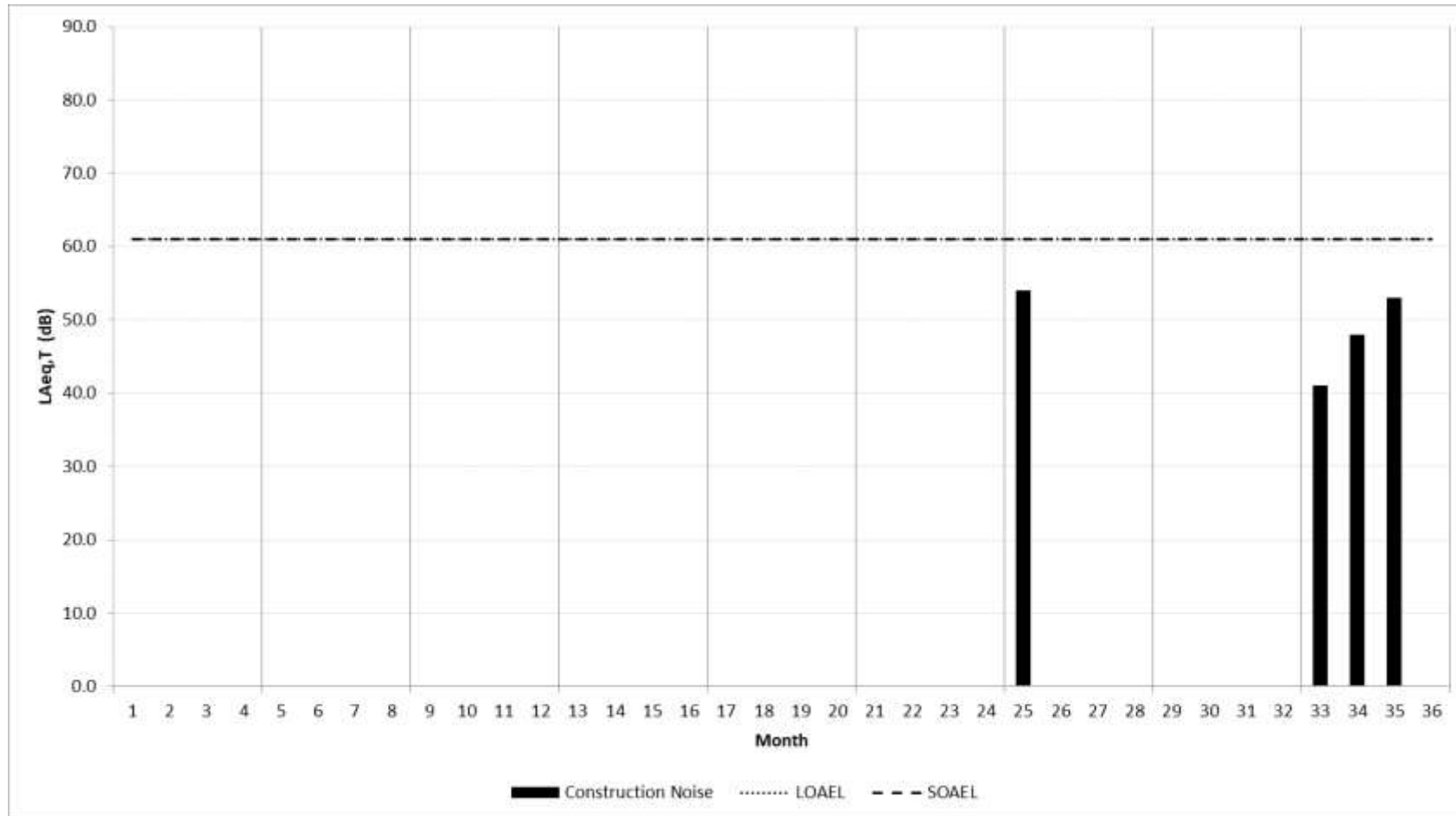
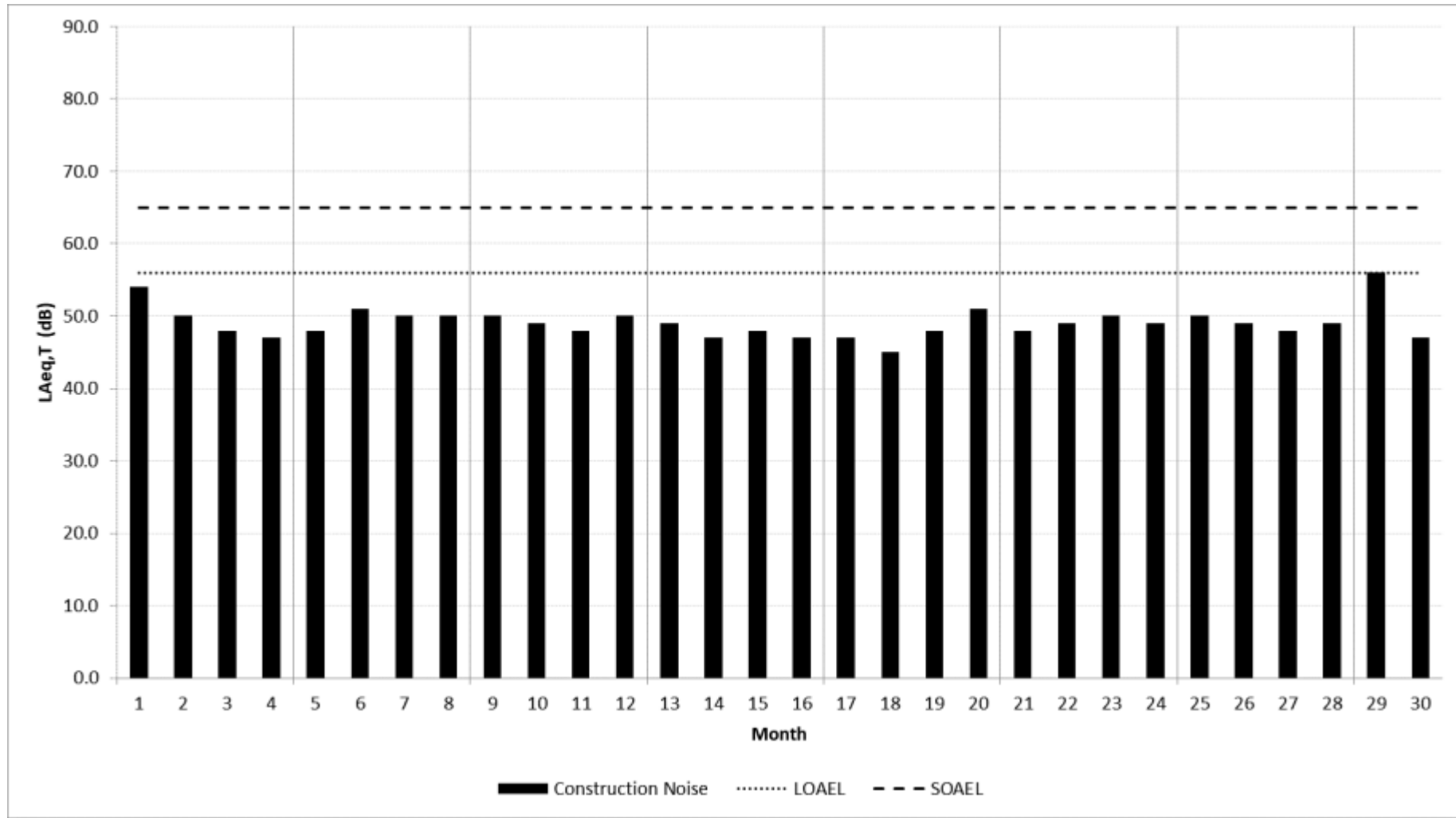


Figure A.11.3.72: R21 - Wolverhampton Road (North) – Night, First Floor



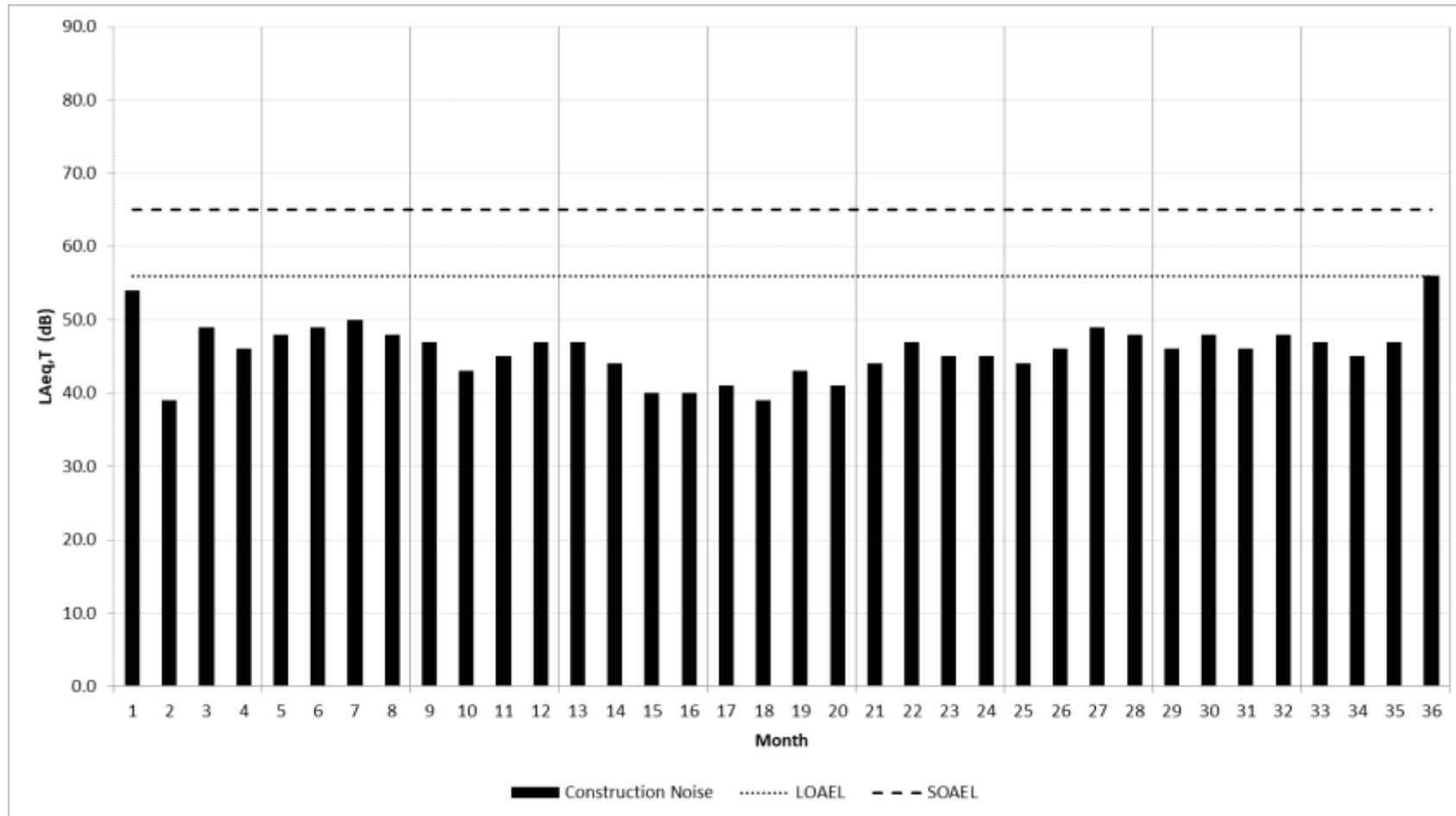
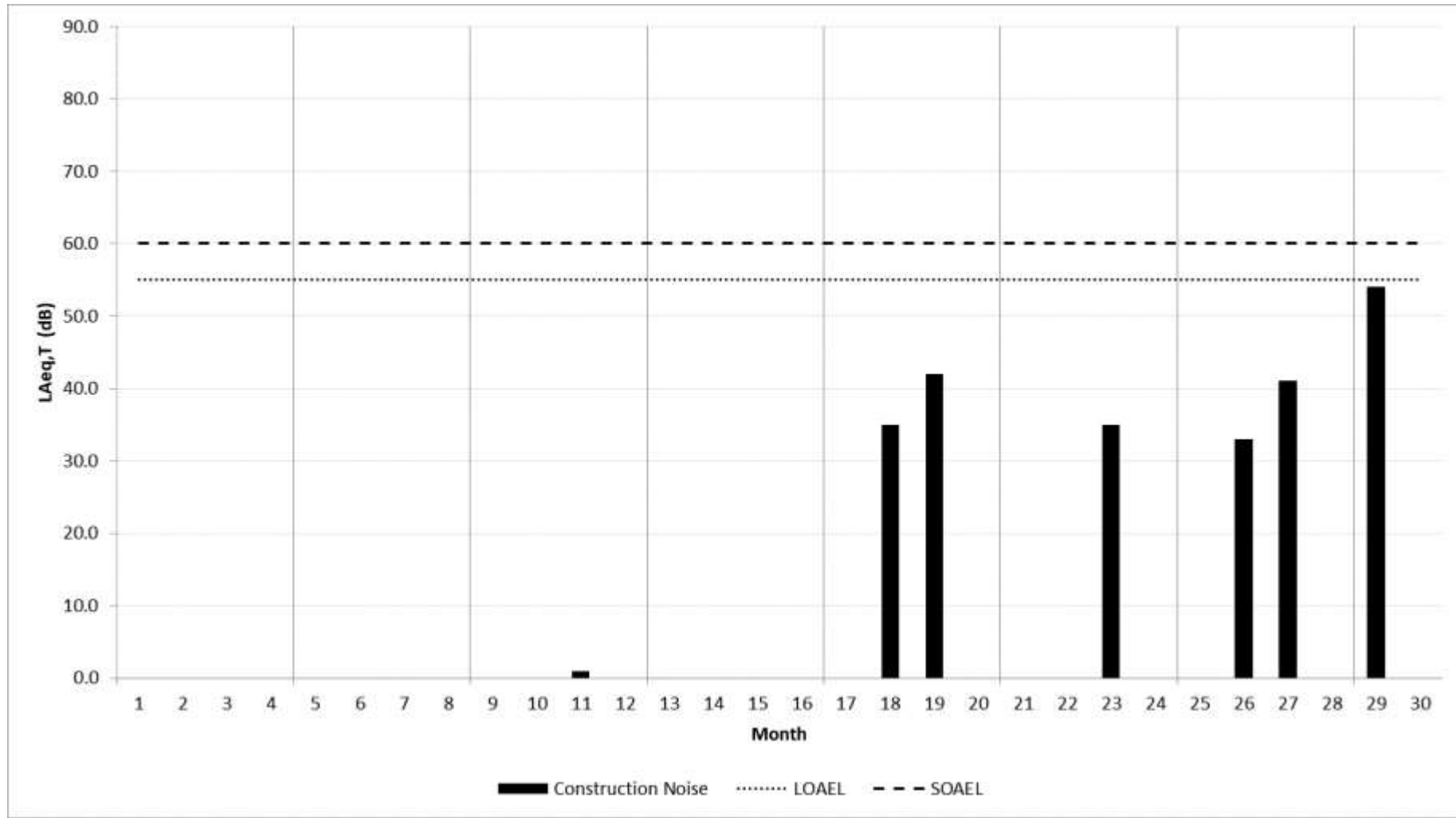


Figure A.11.3.73: R22 - Mill Lane, Shareshill – Day, Ground Floor



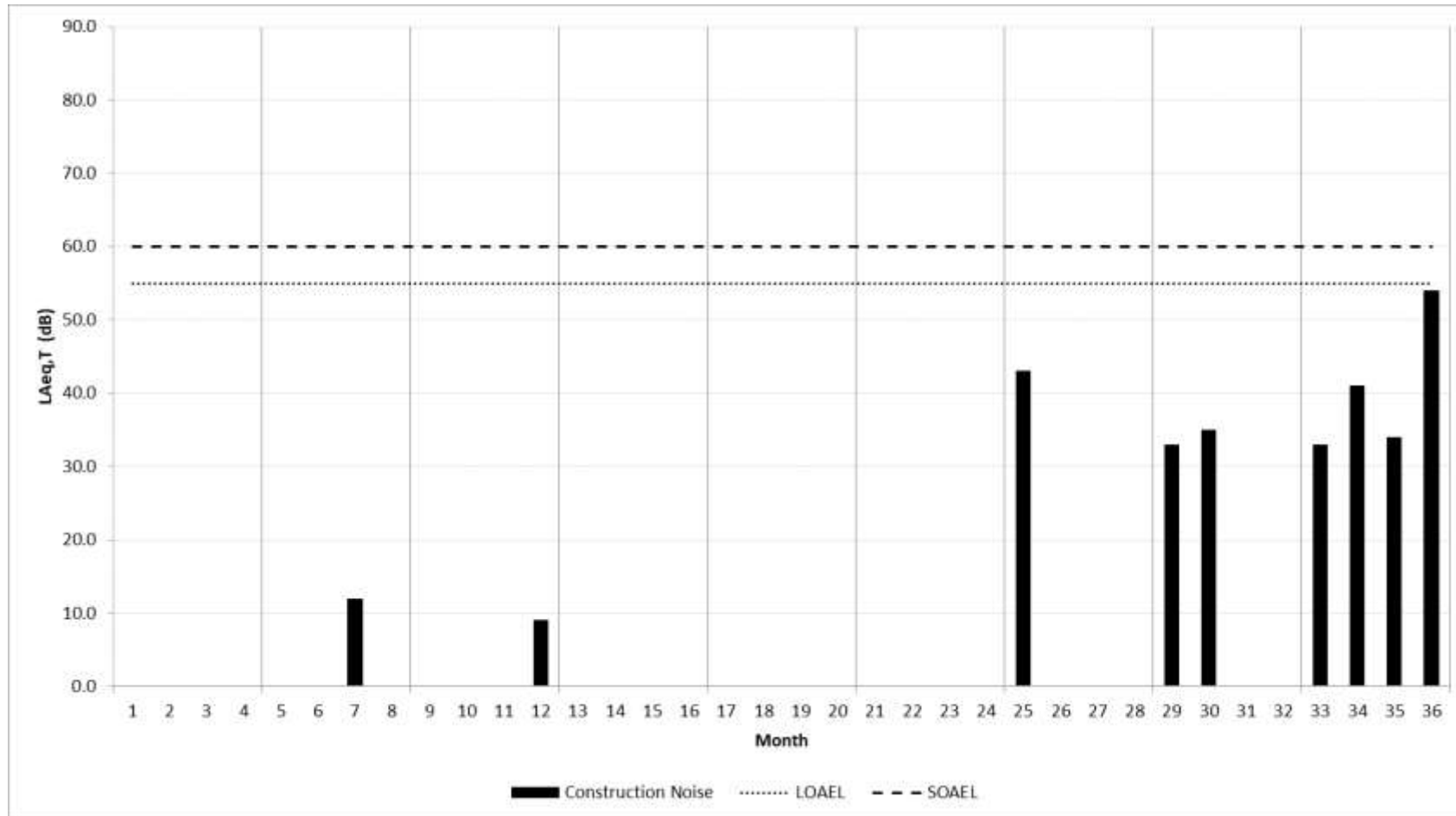
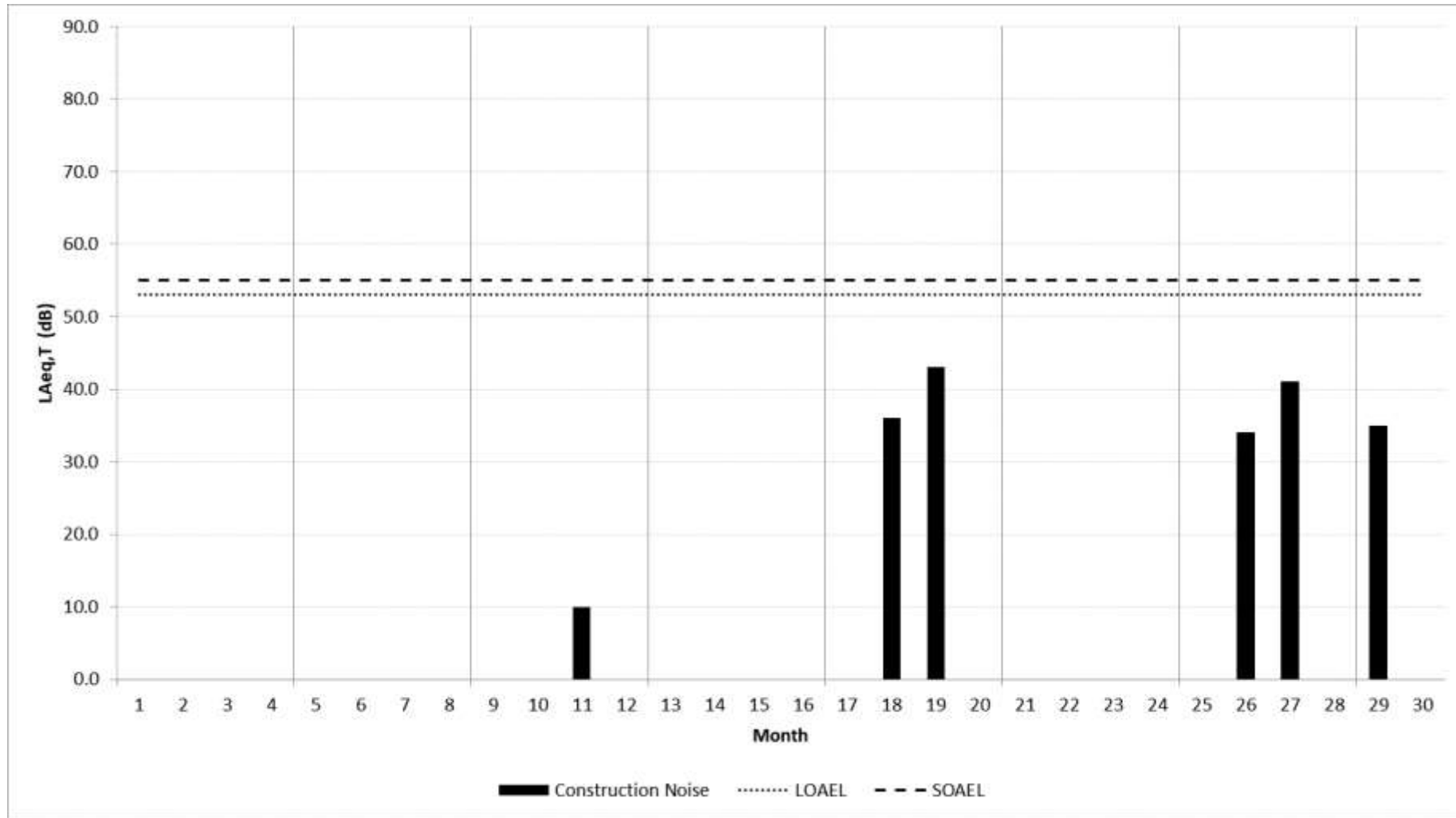


Figure A.11.3.74: R22 - Mill Lane, Shareshill – Evening/Weekend, Ground Floor



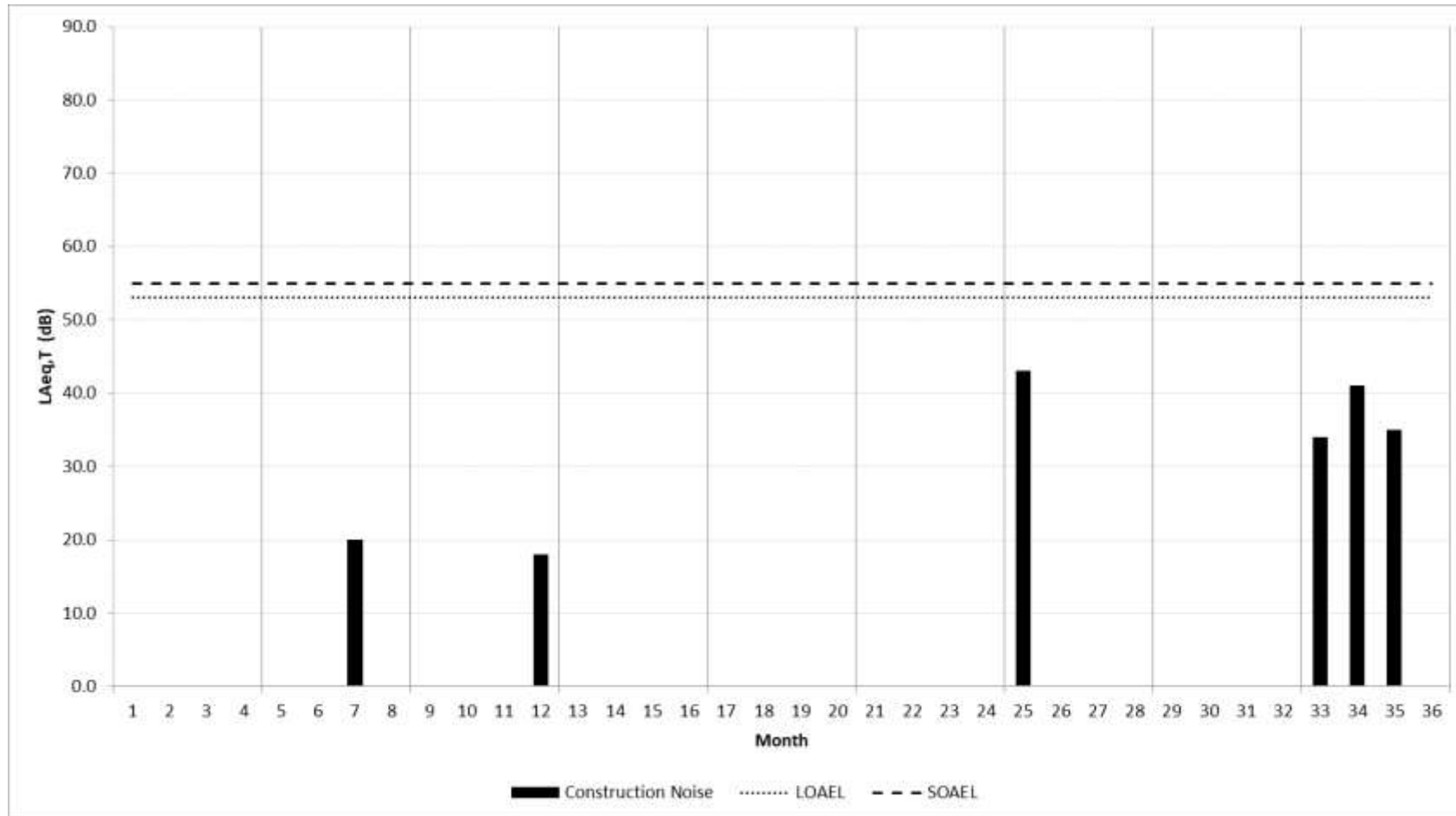


Figure A.11.3.75: R22 - Mill Lane, Shareshill – Night, First Floor