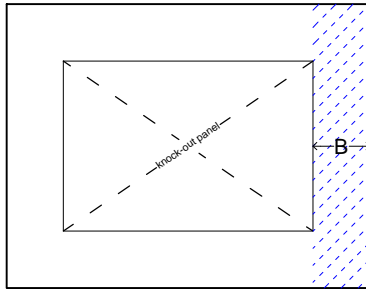
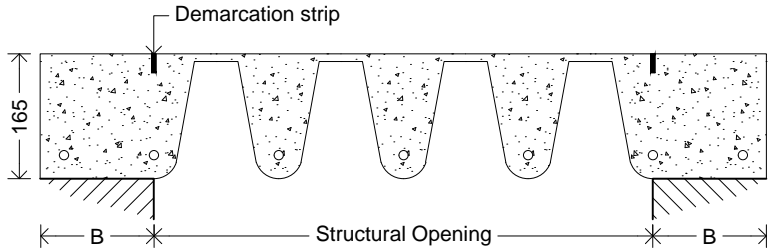


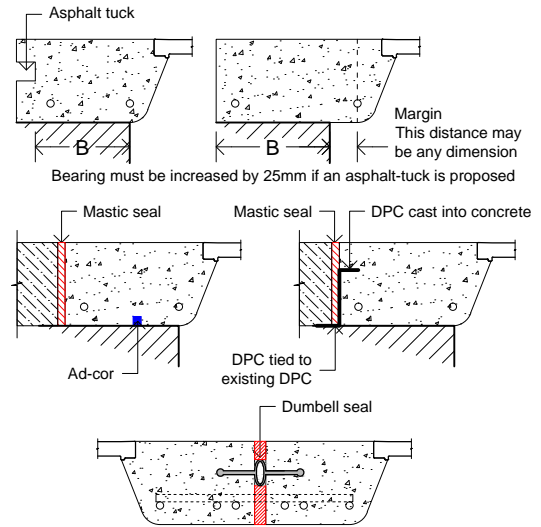
# Technical Details - Smoke Outlet - 165 Deep - 165 mm centres



165-mm centres: 165-mm thick



## Bearings:



**B =** 75-mm minimum.  
Add 25-mm if asphalt-tuck required.

## NAG-S165/165

### Maximum Span Tables

Spans shown are for indication only. All pavement-lights are checked by a structural engineer.

The safe-spans shown in this table have been calculated and checked in accordance with BS8110-1:1997: Structural use of Concrete. The load-conditions shown have been tabulated in accordance to the categories listed under Table NA.2: of the NA to BS EN 1991-1-1:2002: Actions on structures

### Safe Spans note 1

BS 8110-1:1997

### Load Conditions

NA to BS EN 1991-1-1:2002

Loads	2-way Spanning Span and Width Equal		1-way Spanning Per Metre Width Greater than 2xSpan	
	UDL kN/m <sup>2</sup>	Point kN	Span	Span
<b>A: Domestic and residential activities</b> All usage within self-contained dwelling units including student-accommodation, blocks of flats, dormitories, hotels, motels, hospitals, public-toilets, snooker-rooms, balconies., flat-roofs and walkways. Not suitable for where people may congregate.	3	2	4950mm	3960mm
<b>B: Office Areas</b> All office areas including at or below ground-level. Not suitable for where people may congregate.	3	3	4950mm	3960mm
<b>C: Communal Areas</b> Areas where people may congregate including restaurants, reading-rooms, classrooms, fixed seating areas, corridors, museums, dance floors, concert halls and public areas subject to crowding.	5	3.6	4290mm	3465mm
<b>C52: Stages in public assembly area</b>	7.5	5	3960mm	3135mm
<b>D: Shopping Areas</b> General retail shops and department-stores.	4	3.6	4620mm	3795mm
<b>F: Light Vehicle Traffic</b> Gross vehicle weight up to 30 kN	2.5	10	5115mm	4125mm
<b>G: General Vehicle Traffic</b> Gross vehicle weight over 30kN	5	50	3630mm	1485mm
<b>Highway Use</b> Pavement-lights subject to heavy vehicles	20	75	2805mm <small>note 2</small>	1155mm

Note 1: Where these structures are used as concourses and public spaces, they are likely to be subject to inadvertent or deliberate synchronized movement by people, causing dynamic excitation. The design provisions should take account of the nature and intended use of the structure, the potential number of people and their possible behaviour. Structural design should be carried out with the help of specialist advice and specialist guidance documents. (NA. 2.1.4)

Note 2: Emergency vehicle load is accidental and considered as 'Instantaneous'.

**Fire-rating 1-hr U-value 2.78 W/m<sup>2</sup>K**  
**Self-weight - 2.58 kN/m<sup>2</sup> (263 kg/m<sup>2</sup>)**

New Age Glass provide all drawings, calculations and reports required for the construction of all pavement lights including providing Building Control and Health and Safety information.

All designs are supplied in PDF, DWG and DWF formats.  
Design using Revit available  
BIW experienced

For complicated loading or other special requirements, our design team can help.

# New Age Glass

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## NAG-S165-165

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