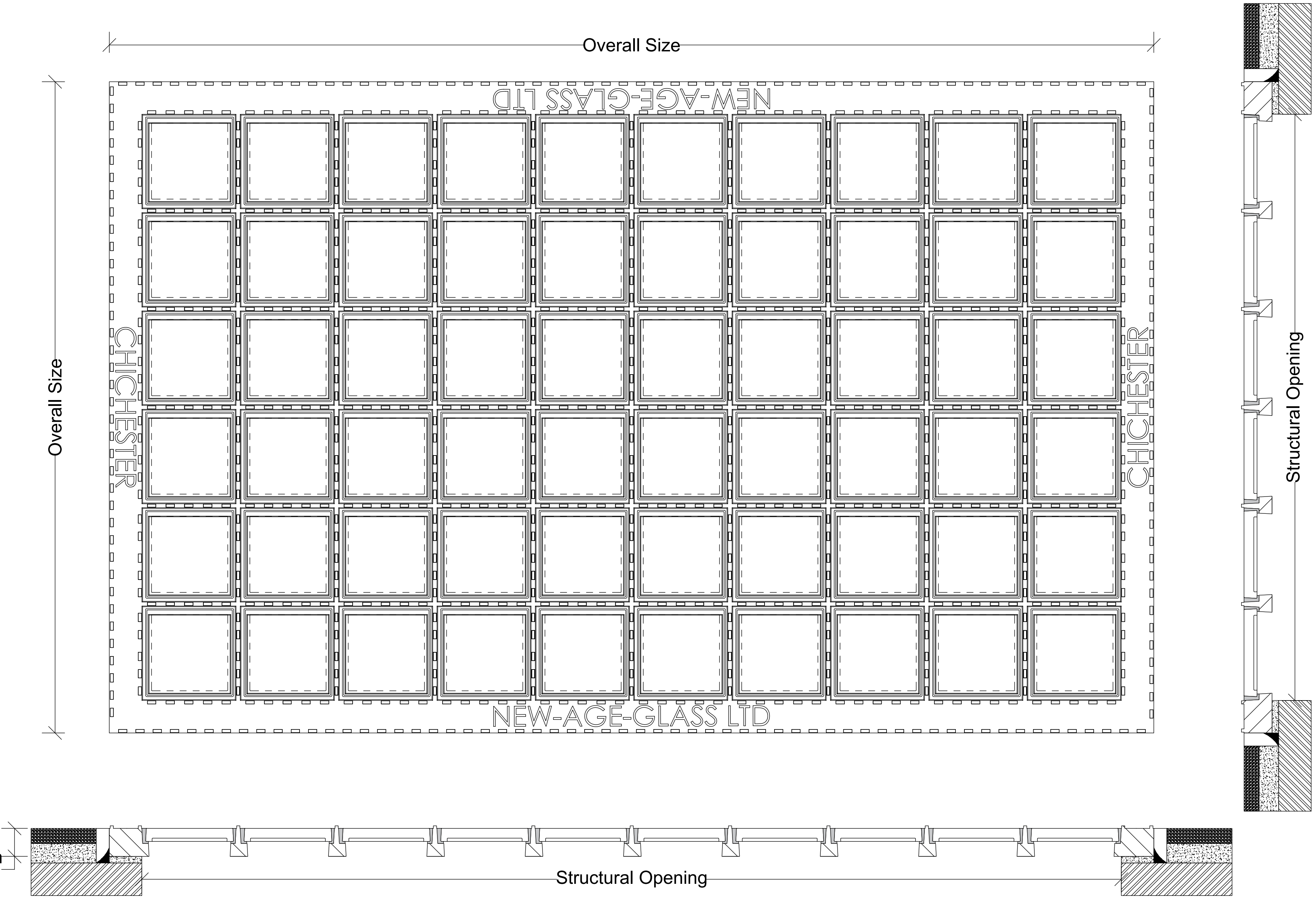
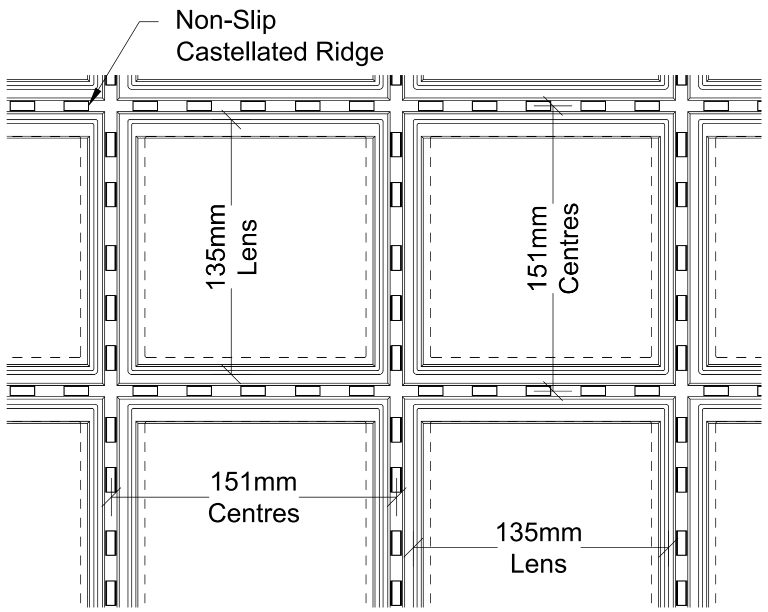
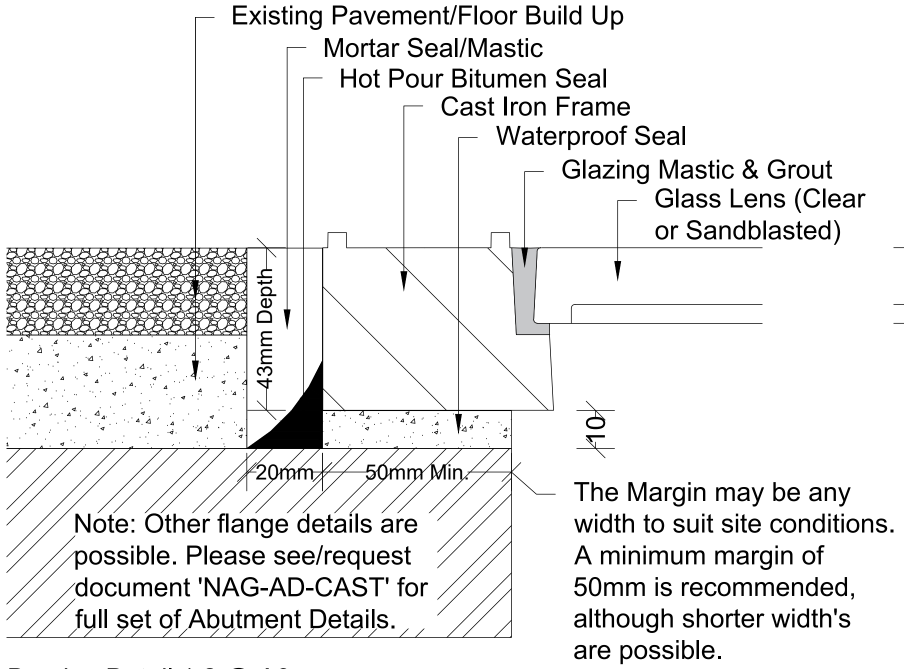


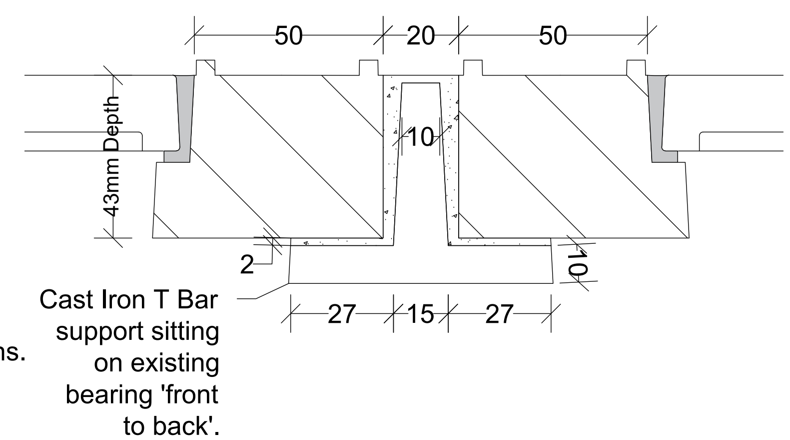
Plan & Section Through Detail 1:8 @ A3



Rib Centres Detail 1:4 @ A3



Bearing Detail 1:2 @ A3



Cast Iron 'T' Bar Abutment Detail 1:2 @ A3

General

Refer status of drawing for use of this drawing.
Only dimensions shown on drawings with the status 'Construction' are to be used for construction of the structure or the ordering of materials. For all other drawing states, the dimensions shown are for indication only and should be checked on site before being used.

Any discrepancies or variations in any of the dimensions or method of construction should be notified to New Age Glass before commencing work.

This drawing shall be read in conjuction with all other drawings and documents(see Drawing and Document List).

Drawing and Document List

Cast-Iron Pavement Lights are extremely strong and suitable for use in any location including pavement adjacent to the highway.

The Cast Iron Pavement Lights are durable and, in the event that a lens became broken, easily repaired.

Technical Information:

Loading 20kN/sq.m UDL or 100kN concentrated.

Glass Lens Size:	135mm x 135mm
Cast Iron Grid Centres:	151mm x 151mm
Light Transmittance:	40%* (Clear Glass) *(30% Sandblasted Glass)
U-Value:	6.44 W/sq.mK

Calculation of Self Weight:

Glazed Area excl. Margin:	134 kg/sq.m
Margin per mm width:	0.288 kg/mm

Example of Pavement Light Shown below:
Number of Lenses Wide: 10nr
Number of Lenses Deep: 6nr
Width of Margin: 50mm

Glazed Area: (10nr x 135mm) x (6nr x 135mm) ÷ 10^6 = 1.09m2
Cast Iron Length: ((10nr x 151mm) + (6nr x 151mm) x 2) ÷ 10^3 = 4.832m
Cast Iron Mass Per Meter: 0.288kg x 50mm = 14.4kg/m
Self Weight: (134kg x 1.09) + (14.4kg x 4.832m) = 215.64kg

Revision
- : First Issue

Drawing Number	Rev	Issue Date
NAG-TD-CAST T3	-	24/05/2023

Drawing Title
NAG-CAST-T3 Typical Details

Scale	Paper Size
SEE VIEWPORTS	A3

NEW AGE GLASS

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