



## Declaration of Performance

Hanlon Concrete Products Ltd.  
Lowtown, Robertstown, Naas, Co Kildare

15

0050 - CPR - 0352

### Precast Concrete Products - Floor Slats for Livestock

*Table 1 – Product Type and identification:*

Name / Identification	Lengths
Multi Rib Cattle Slat	3200 / 3500 / 3800 / 4100 [mm]
Manhole Cattle Slat	3200 / 3500 / 3800 / 4100 [mm]

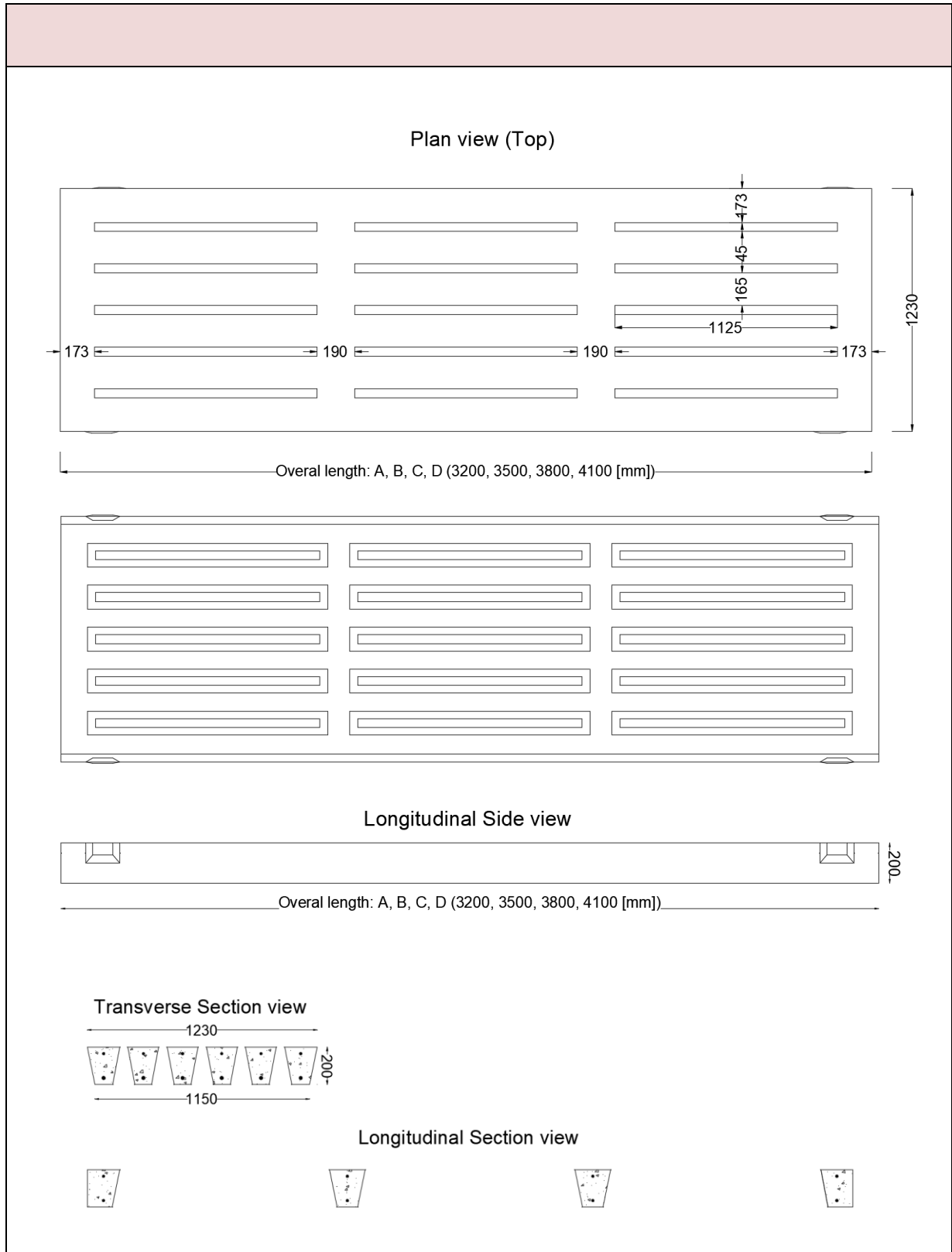
<b>Intended Use:</b>	Floor slats for livestock.
<b>Manufacturer:</b>	Hanlon Concrete Products Ltd. Lowtown, Roberstown, Naas, Co Kildare.
<b>System of AVCP:</b>	System 2+
<b>Harmonized Standards:</b>	<ul style="list-style-type: none"> <li>I.S. EN 12737:2004+A1:2007 - Precast Concrete Products - Floor Slats for Livestock</li> </ul>

**Declared Performance:** The declared essential characteristics and performance of each product is as follows:

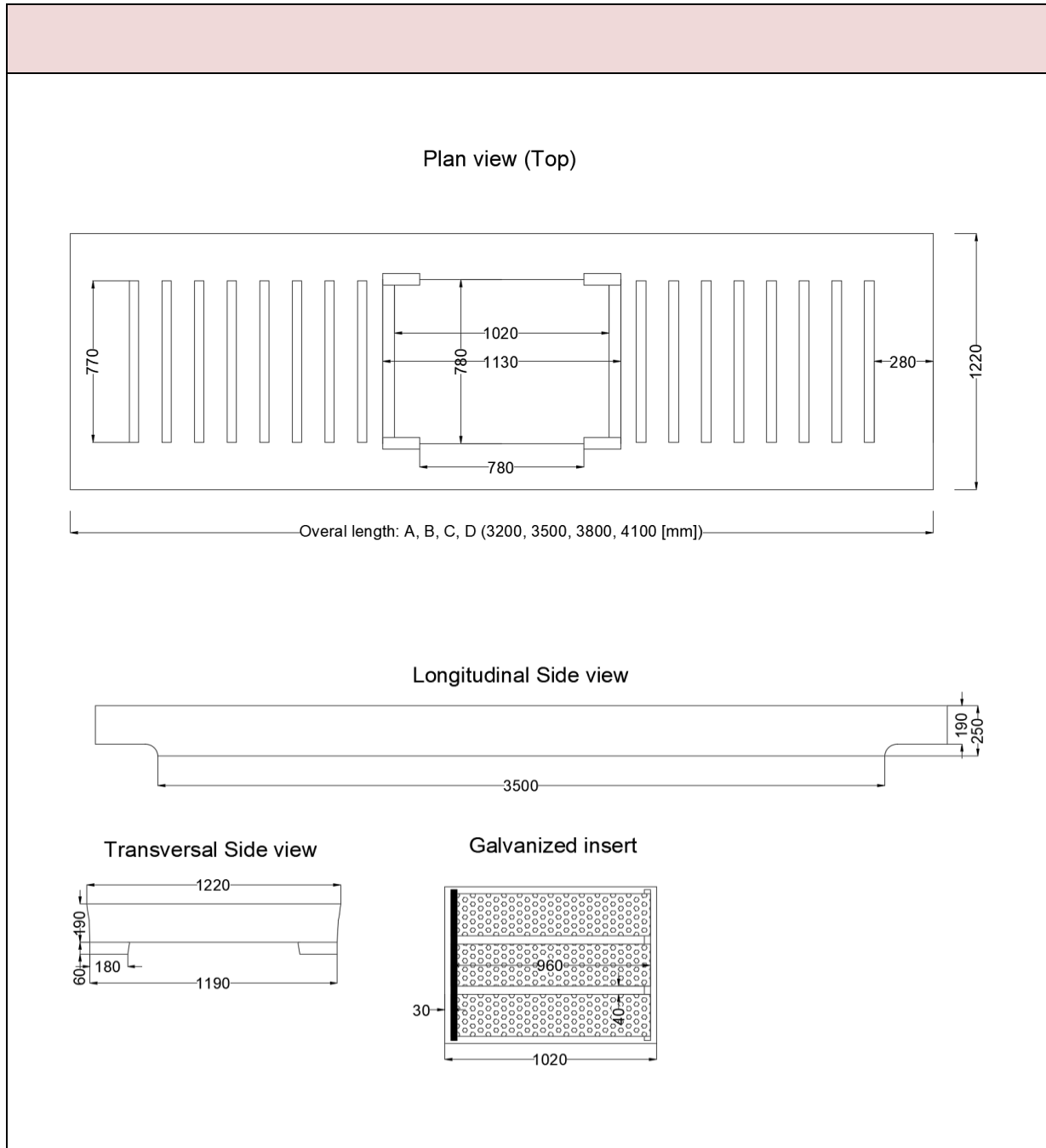
**Table 2 – Essential Characteristics and Performance:**

Essential Characteristics	Performance to I.S. EN 12737:2004+A1:2007
Compressive strength of concrete	$f_{ck} = 45 \text{ N/mm}^2$
Compressive strength class of concrete	C35/45
Ultimate tensile strength of steel	$f_{tk} = 600 \text{ N/mm}^2$
Tensile yield strength of steel	$f_{yk} = 500 \text{ N/mm}^2$
Mechanical Strength (Load bearing capacity, by testing)	Load Class A3 (825Kg Max.) Department of Agriculture, Food and Marine Specification August 2014, Annex A, B & C.
Resistance to Fire (for load bearing capacity)	Class A1
Durability	Exposure Class XF4, XC4, XD1, XS1
Geometrical data and detailing	Fulfilled. Dimensions and detailing in Tables 3 & 4 of this document
<p>Installation Notes:</p> <ol style="list-style-type: none"> <li>1) Ensure the structure to carry the slats is sound and structurally capable of carrying the load.</li> <li>2) The structure to carry the slats should be level even and square.</li> <li>3) Ensure the slats are faced the correct way up as in the Cross Section View above.</li> <li>4) The Slat should be placed on a minimum bearing of 100mm.</li> <li>5) The slats should be fitted tight together.</li> <li>6) Remember safety first, refer to relevant safe systems of work, ensure the area is safe. Safe and certified lifting equipment should be used, don't walk in area where there is a possibility of falling objects. Don't work in confined spaces where there is existing effluent.</li> </ol>	

**Table 3 – Geometrical data and detailing – Multi Rib Cattle Slat:**



**Table 4 – Geometrical data and detailing – Manhole Cattle Slat:**



Signed: *Fergus O'Hara.*

Date: *15<sup>th</sup> September 2022*

*Fergus O'Hara*

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**I.S. EN 12737:2004+A1:2007****Precast Concrete Products - Floor Slats for Livestock****Concrete:**

Compressive strength	$f_{ck} = 45 \text{ N/mm}^2$
Compressive strength class	C35/45

**Reinforcing Steel**

Ultimate tensile strength	$f_{tk} = 600 \text{ N/mm}^2$
Tensile yield strength	$f_{yk} = 500 \text{ N/mm}^2$

**Mechanical Strength**

Load bearing capacity (by testing)	Load Class A3 (825Kg Max.) Department of Agriculture, Food and Marine Specification August 2014, Annex A, B & C.
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**Resistance to Fire** (for load bearing capacity)

Class A1

**Durability**

Exposure Class XF4, XC4, XD1, XS1

For geometrical data, detailing and durability refer to Declaration Of Performance (DOP), Tables 3 and 4.



## CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

**0050 - CPR - 0352**

**System 2+**

In compliance with the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC, it has been stated that the construction product:

**Precast Concrete Products in accordance with Annex ZA of the following:**

I.S. EN 12737:2004 + A1:2007	Precast concrete products – Floor slats for livestock
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Placed on the market by:

**Hanlon Concrete Products Ltd**  
**Lowtown**  
**Robertstown**  
**Naas**  
**Co. Kildare**

And produced in the factory:

**Hanlon Concrete Products Ltd**  
**Lowtown**  
**Robertstown**  
**Naas**  
**Co. Kildare**

is submitted by the manufacturer to the initial type-testing of the product and its factory production control and that the approved body – National Standards Authority of Ireland – has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the standards listed above were applied.

This certificate was first issued on 21/05/2015 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Signed:



Seán Balfe – Director of Sustainability & the Built Environment

File no: 1.131.002

Approval Date: 21/05/2015

Last amended Date: 21/12/2021

Expiry Date: 21/05/2023

Issued By : NSAI, 1 Swift Square, Northwood Business Park, Santry, Dublin 9.