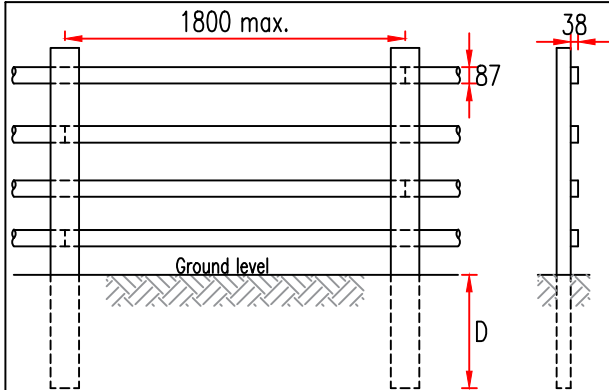
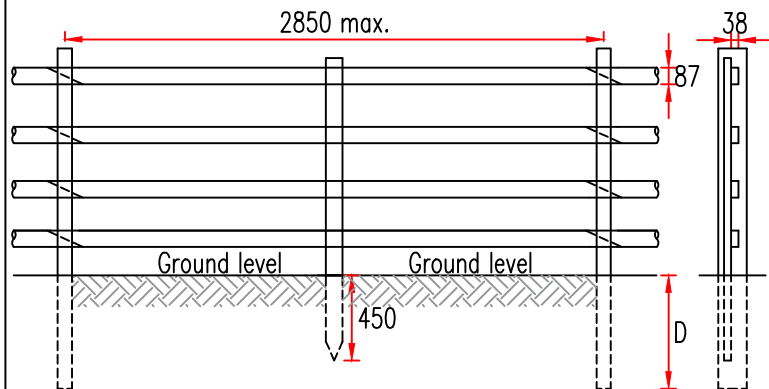




NAILED POST AND FOUR RAIL FENCING



MORTICED POST AND FOUR RAIL FENCING

BS Ref.	Post details length section	Number of rails	Height to top of top rail	Spacing between rails (from top)	Value of D
SPR 11/4	1800 75 x 150	4	1100	225-200-175-150	600
SPR 13/4	2100 75 x 150	4	1300	250-250-225-225	700

BS Ref.	Main posts length section	Prick posts length section	Number of rails	Height to top of top rail	Spacing between rails (from top)	Value of D
MPR 11/4	1800 75 x 150	1600 38 x 87	4	1100	225-200-175-150	600
MPR 13/4	2100 75 x 150	1800 38 x 87	4	1300	250-250-225-225	700

NOTES

1. All dimensions are in millimetres unless otherwise stated.
2. This type of fencing is not intended for accommodation works application but for protective fencing alongside cycleways where steep embankments or other dangers are present.
3. Where the fence is erected alongside a cycleway, the rails should be nailed on the cycleway side of the posts and set back 500mm from the edge of the cycleway.
4. Fencing to follow the ground profile with small adjustments to height as necessary obtain flowing alignment.
5. Permanent fencing shall be erected immediately on possession of the site. Where this cannot be achieved, a temporary fence shall be provided.
6. Prick posts shall be pointed for driving.

ERECTION – Nailed Post and Rail Fencing

1. Posts wherever possible shall be driven. Where driving is not possible the holes shall be as small as practicable to allow for refilling with earth, which shall be well rammed as the filling proceeds and re-rammed as and when required.
2. Where a fence forms a boundary between a highway and private property, the rails shall be fixed to the private side.
3. The rails shall be butt-jointed on the center line of posts. The joints shall be staggered so that alternate joints occur on one post. The rails shall be nailed to the posts with two nails at the centre. The nails shall be 4mm x 100mm round wire nails driven in on the skew. No end splits caused by nailing shall be permitted.
4. Where additional stockproofing is required, it shall be provided.

ERECTION – Morticed Post and Rail Fencing

1. Posts wherever possible shall be driven. Where driving is not possible the holes shall be as small as practicable to allow for refilling with earth, which shall be well rammed as the filling proceeds and re-rammed as and when required.
2. Where a fence forms a boundary between a highway and private property, the prick posts shall be fixed to the private side.
3. The rails shall fit into the mortises in the posts and shall be nailed to each prick posts with two 100mm wire nails at each intersection, the ends of the nails being cinched. Joints in rails shall be scarfed, the length of the scarf being not less than 150mm.
4. Where additional stockproofing is required in the contract it will be fixed.
5. Where two prick posts are specified they should be placed at $\frac{1}{2}$ of a bay from each post.

ERECTION – General

1. Where concrete backfill is specified the holes will not be less than 300mm square. Holes will be filled up to half their depth with concrete which will be well rammed as filling proceeds. Before the concrete has set the remainder of the hole will be filled with suitable material and well rammed as filling proceeds.



Growth, Highways & Infrastructure
Suffolk County Council
Endeavour House
8 Russell Road
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DRAWING TITLE

PERMANENT FENCING
WOODEN POST AND RAIL FENCING
NAILED POST & MORTICED POST WITH FOUR RAIL

REV.	DESCRIPTION	CHECKED	DATE
A	MINOR CHANGES IN NOTES	CB	10/2025

INIT.	DATE	PROJECT TITLE
ORIGINATOR	RY	08/2024
CHECKER	SH	08/2024
DESIGNER	RY	08/2024
REVIEWER	TK	08/2024

SCALE	DATE
N.T.S.	AUG. 2024
DRAWING No.	DM-300-09A