



Flat Bottom Silos



Plastic/Woodchip Storage Silos



Splayed Leg Silos



Loadout Silos



Hopper Bottom Silos



Grain Walling



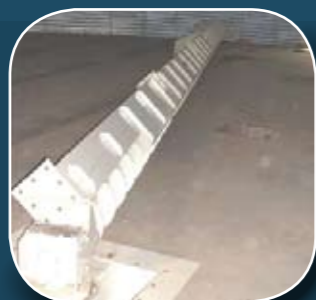
Apache Hoppers



Smooth Wall Silos



Grain Tunnels



Sweep Augers



Dischargers



Aeration Laterals



Catwalks



Square Hoppers



Aeration Fans



Flat Roof Silos



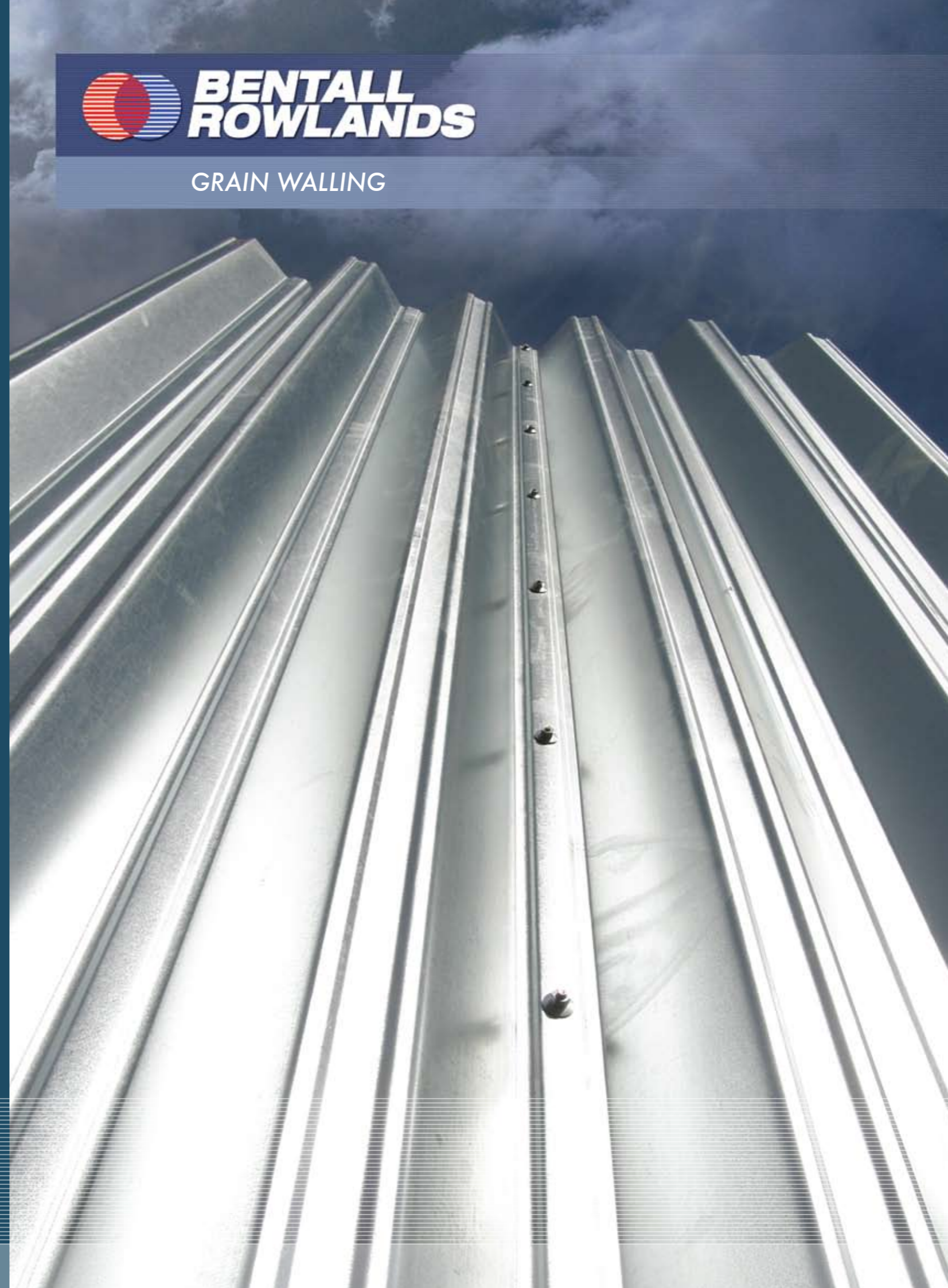
Turnkey Project

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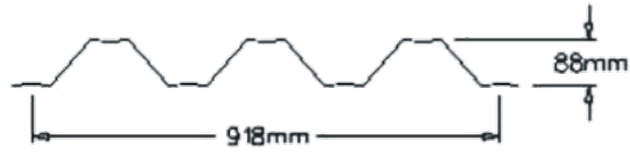


**BENTALL
ROWLANDS**

GRAIN WALLING



Vertical Grain Walling



Vertical Grain Walling

LEVEL FILL VERTICAL GRAIN WALLING

HEIGHT		Rt	Rb	4.5M BAY	6.0M BAY
M	ft	kNm	kNm	TOP RAIL	TOP RAIL
2.515	8'-0"	2.59	5.19	125 X 65 X 15 PFC	150 X 90 X 24 PFC
3.124	10'-0"	4.05	8.1	150 X 75 X 18 PFC	180 X 90 X 26 PFC
3.66	12'-0"	5.74	11.48	180 X 75 X 20 PFC	260 X 75 X 28 PFC

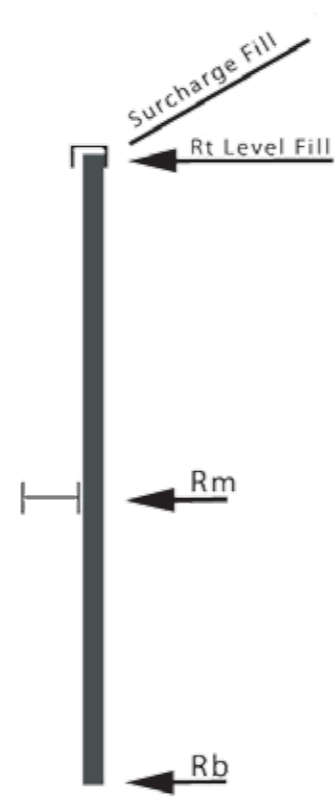
Mid beam only required on 3.66m high grain walling.

SURCHARGE FILL VERTICAL GRAIN WALLING

HEIGHT		Rt	Rb	Rm	4.5M BAY	4.5M BAY	6.0M BAY	6.0M BAY	
M	ft	kN/m	kN/m	kN/m	TOP RAIL	MID RAIL	TOP RAIL	MID RAIL	
2.515	8'-0"	5.84	11.67		180 X 75 X 20 PFC		260 X 75 X 28 PFC		
3.124	10'-0"	9.12	18.24		260 X 75 X 28 PFC		300 X 90 X 41 PFC		
*	3.124	10'-0"	3.18	9.68	14.5	150 X 75 X 18 PFC	254 X 146 X 31 UB	180 X 75 X 20 PFC	305 X 165 X 40 UB
*	3.66	12'-0"	5.65	12.01	21.74	180 X 75 X 20 PFC	305 X 165 X 40 UB	260 X 75 X 28 PFC	356 X 171 X 57 UB

* MID BEAM SUPPORT REQUIRED **Mid Beam Position** 3.124m walling 1.8m from top.
 3.66m walling 2.4m from top.

Bentall's standard vertical grain walling from 6'-0" to 14'-0" high for both surcharge and level fill storage. Manufactured from high yield pre-galvanised steel sheet with minimum Z450 galv coating to ensure long life. Bentall's technical staff will be pleased to assist customers with loadings and beam sizes if required.



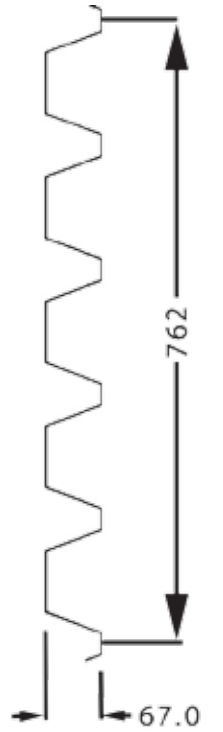
Horizontal Grain Walling

LEVEL FILL HORIZONTAL GRAIN WALLING

HEIGHT		POST CENTRES		SHEAR	BM	POST SIZE
M	ft	M	ft	kN	kNm	
2.44	8'-0"	2.286	7'-6"	17	14	FABRICATED POST
3.05	10'-0"	2.286	7'-6"	26	28	FABRICATED POST
3.66	12'-0"	1.524	5'-0"	25	32	203 x 133 x 25 UB
4.27	14'-0"	1.524	5'-0"	34	51	254 x 146 x 37 UB

SURCHARGE FILL HORIZONTAL GRAIN WALLING

HEIGHT		POST CENTRES		SHEAR	BM	POST SIZE
M	ft	M	ft	kN	kNm	
2.44	8'-0"	1.524	5'-0"	23	22	180 X 75 PFC
3.05	10'-0"	1.524	5'-0"	40	42	254 X 102 X 28 UB
3.66	12'-0"	1.524	5'-0"	57	73	305 x 165 x 40 UB
4.27	14'-0"	1.524	5'-0"	78	116	356 x 171 x 51 UB



Bentall Rowlands Storage Systems designs, manufactures, delivers and installs all your storage needs. Our in-house design and on-site manufacturing enables us to cope with your non standard requirements as well as the very comprehensive range of standard equipment that is produced in our facility in Scunthorpe, England.

Bentall's Horizontal grain walling 8'-0" and 12'-0" high, level fill and surcharge self supporting with posts, this is ideal walling to use in buildings that have not been designed to take loads from walling.

