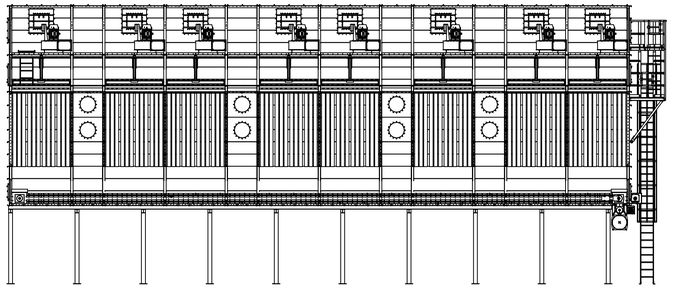
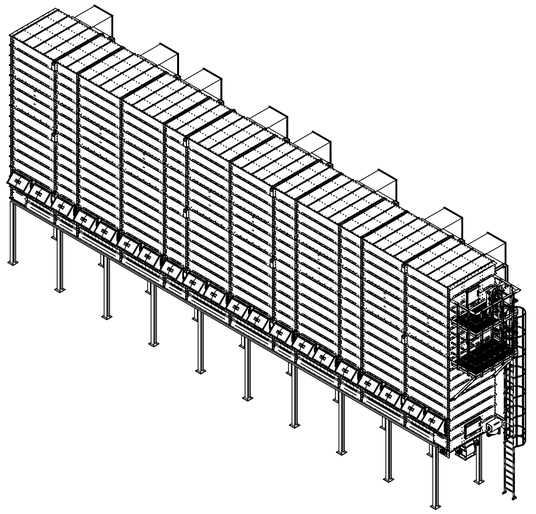
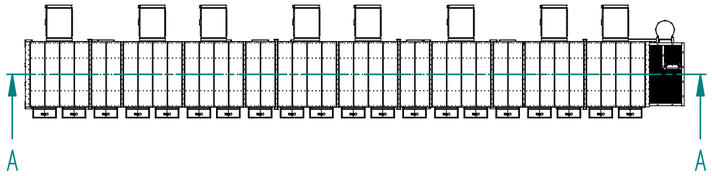
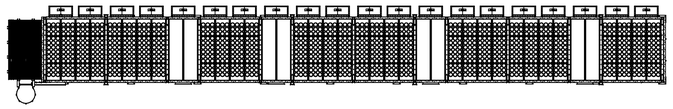
Estimated filter weights	
Construction	5.000 kg
Bottom section	8.500 kg
Filter section	14.500 kg
Top section	30.500 kg
Rotary valve + screw	750 kg
Platform +ladder	750 kg
Total filter weigth	55.000kg



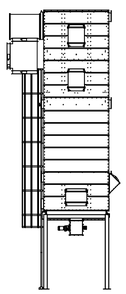
SECTION A-A

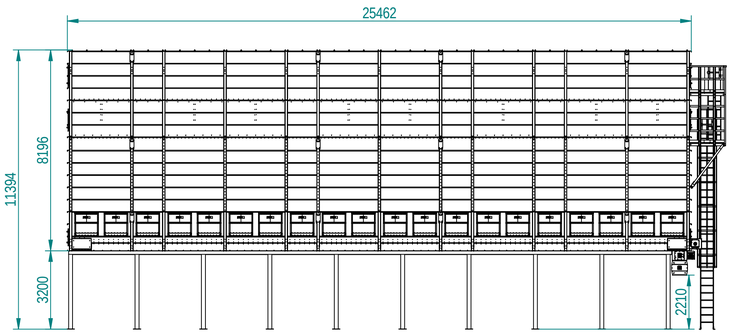


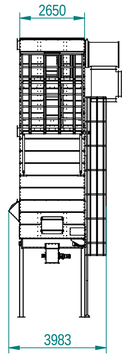


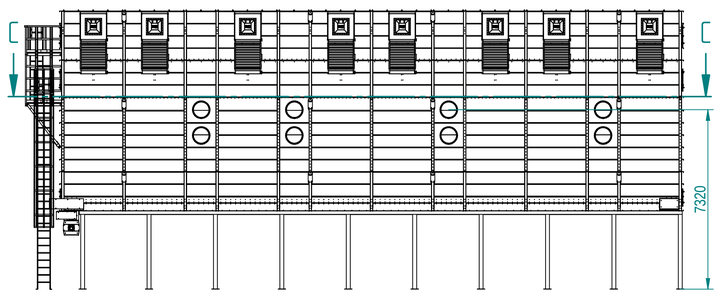


SECTION C-C









Description: Premdor CFc70-1600					
Project nr. / name: P24201200 - Premdor		Drawn by: lb 23-3-2026			Unit: mm
		Last edited by: bb 25-3-2026			
Drawing nr.: T050666-A	Status: Available	Projection:	Scale: 1:125	Sheet: 1 - 2	Size: A1

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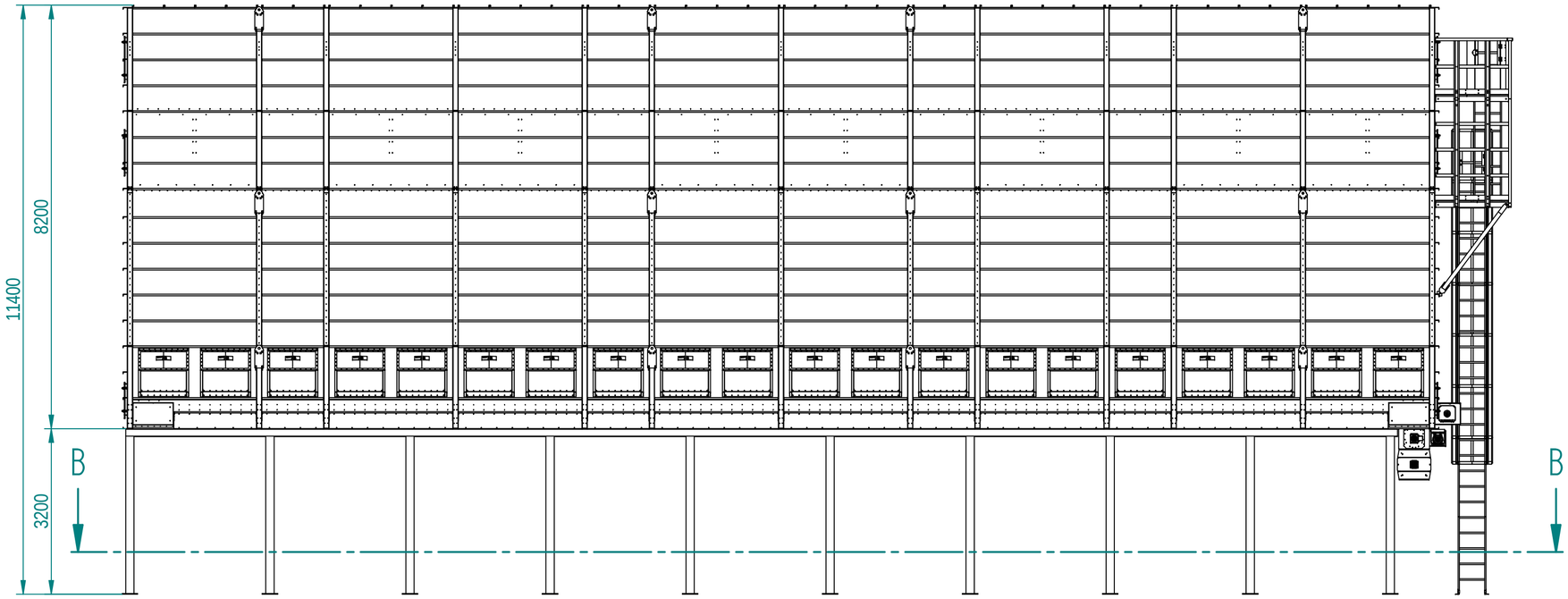
POINT LOADS FILTER																							
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20		Sum:
	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]	[Kn]		[Kn]
SUM STATIC LOAD	34,8	42,9	29,6	35,9	26,7	30,6	27,0	30,9	28,6	35,7	25,8	31,1	25,5	30,6	28,3	35,4	26,6	30,5	15,1	18,7		590,6
SUM DUST LOAD	2,9	2,9	4,1	4,1	3,5	3,5	3,5	3,5	4,1	4,1	3,7	3,7	3,6	3,6	4,0	4,0	3,6	3,6	4,3	4,3		74,4
SUM SNOW LOAD	3,3	3,3	4,7	4,7	4,0	4,0	4,1	4,1	4,7	4,7	4,2	4,2	4,2	4,2	4,6	4,6	4,1	4,1	2,1	2,1		80,2

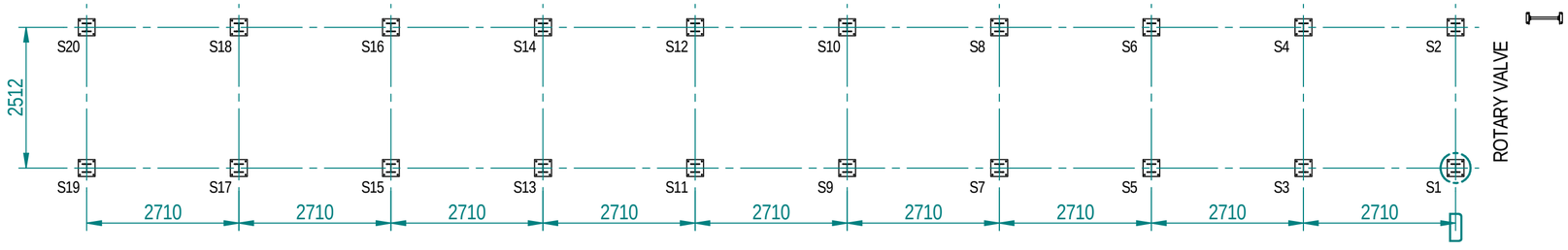
All static loads are vertical loads in Z-direction, acting upon the foundation slab (compression)

WIND LOAD FILTER			
	+Fx / -Fx	+Fy / -Fy	+Fz / -Fz
	[Kn]	[Kn]	[Kn]
S1 t/m S20	1,9	12,2	70,8

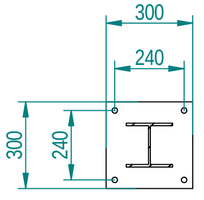
Wind loads on the filter are evenly distributed over the number of columns.
Wind loads are calculated in unbuild terrain.
Reaction forces therefore apply in + and - direction to all columns
(wind from both directions considered)

Concept version, an addition safety factor of 10% is included in the wind load.





SECTION B-B



DETAIL D

Description: Premdor CFc70-1600					
Project nr. / name: P24201200 - Premdor		Drawn by: lb 23-3-2026		Unit: mm	
		Last edited by: bb 25-3-2026			
Drawing nr.: T050666-A	Status: Available	Projection:	Scale: 1:75	Sheet: 2 - 2	Size: A2

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