

Qty	Description	Make	Equip #
1	<b>Pneumatic Transport System #1</b>	LHS VENTAPP	
	12,000 eff kg/h gravimetric throughput		
	270 m3/h volumetric throughput		
	36,000 m3/h air volume		
	5600 Pa total pressure drop		
	350 m2 total filtering surface		
	1000 Pa total filter pressure drop		
	with connecting		
	152 kW power fan		
	ZLF-100-EX explosion proof round filter with airlock		
	7.5 kw rotary air lock		
	Twin reversible 4500 mm 5.5 kW screw conveyor		
	SKR shut off flap		
	TE-630/100-50 radius fan		
	explosion proof - fire protection system for		
1	<b>Pneumatic Transport System #2</b>	LHS VENTAPP	
	12,000 eff kg/h gravimetric throughput		
	270 m3/h volumetric throughput		
	36,000 m3/h air volume		
	5600 Pa total pressure drop		
	350 m2 total filtering surface		
	1000 Pa total filter pressure drop		
	with connecting		
	152 kW power fan		
	ZLF-100-EX explosion proof round filter with airlock		
	7.5 kw rotary air lock		
	Twin reversible 4500 mm 5.5 kW screw conveyor		
	SKR shut off flap		
	TE-630/100-50 radius fan		
	explosion proof - fire protection system for		
1	<b>Pneumatic Transport System #3</b>	LHS VENTAPP	
	12,000 eff kg/h gravimetric throughput		
	270 m3/h volumetric throughput		
	36,000 m3/h air volume		
	5600 Pa total pressure drop		
	350 m2 total filtering surface		
	1000 Pa total filter pressure drop		
	with connecting		
	152 kW power fan		
	ZLF-100-EX explosion proof round filter with airlock		
	7.5 kw rotary air lock		
	Twin reversible 4500 mm 5.5 kW screw conveyor		
	SKR shut off flap		
	TE-630/100-50 radius fan		
	SKR shut off flap		
	TE-630/100-50 radius fan		
	explosion proof - fire protection system for		
1	<b>Pneumatic Transport System #4</b>	LHS VENTAPP	

	12,000 eff kg/h gravimetric throughput		
	10-20% BD moisture content		
	45 eff kg/m <sup>3</sup> bulk density		
	270 m <sup>3</sup> /h volumetric throughput:		
	36,000 m <sup>3</sup> /h air volume		
	5600 Pa total pressure drop		
	350 m <sup>2</sup> total filtering surface		
	1000 Pa total filter pressure drop		
	with connecting		
	152 kW power fan		
	ZLF-100-EX explosion proof round filter with airlock		
	7.5 kw rotary air lock		
	Twin reversible 4500 mm 5.5 kW screw conveyor		
	SKR shut off flap		
	TE-630/100-50 radius fan		
	explosion proof - fire protection system for		
1	<b>Straw Pre Cleaning System A</b>	<b>Ventapp</b>	<b>1308, 1308.300, 1308.200, 1312</b>
	Integrated container installed system with design capacity of 9 to 12 tons per hr, consisting of		
	Silicate separator unit of 12 meters x 2.2 meter, with 7.5 kW rotary air locks		
	Siempelkamp straw distributer with 2000 mm roller and 4 kW installed power		
	Seimpelkamp twin screw integrated conveyor measuring 8000 mm long x 800 mm dia, with 7.5 kW installed power		
	Ventapp extraction / filter cleaning system with 2000 eff kg/m <sup>3</sup> , 120 to 250 m <sup>3</sup> /h volumetric throughput, 36,000 m <sup>3</sup> /h air volume, 315 m <sup>2</sup> filter surface complete with rotary air locks and power fan		
	LHS bag filter with auto cleaning compressed air pulses, rotary air lock, explosion flaps, pre separating chamber, deflector hood and filter		
1	<b>Straw Pre Cleaning System B</b>	<b>Ventapp</b>	<b>1318, 1318.300, 1318.200, 1322</b>
	Integrated container installed system with design capacity of 9 to 12 tons per hr, consisting of		
	Silicate separator unit of 12 meters x 2.2 meter, with 7.5 kW rotary air locks		
	Siempelkamp straw distributer with 2000 mm roller and 4 kW installed power		
	Seimpelkamp twin screw integrated conveyor measuring 8000 mm long x 800 mm dia, with 7.5 kW installed power		
	Ventapp extraction / filter cleaning system with 2000 eff kg/m <sup>3</sup> , 120 to 250 m <sup>3</sup> /h volumetric throughput, 36,000 m <sup>3</sup> /h air volume, 315 m <sup>2</sup> filter surface complete with rotary air locks and power fan		
	LHS bag filter with auto cleaning compressed air pulses, rotary air lock, explosion flaps, pre separating chamber, deflector hood and filter		
1	<b>Straw Pre Cleaning System C</b>		<b>1338, 1338.300, 1338.200, 1332</b>

	Integrated container installed system with design capacity of 9 to 12 tons per hr, consisting of		
	Silicate separator unit of 12 meters x 2.2 meter, with 7.5 kW rotary air locks		
	Siempelkamp straw distributor with 2000 mm roller and 4 kW installed power		
	Seimpelkamp twin screw integrated conveyor measuring 8000 mm long x 800 mm dia, with 7.5 kW installed power		
	Ventapp extraction / filter cleaning system with 2000 eff kg/m3, 120 to 250 m3/h volumetric throughput, 36,000 m3/h air volume, 315 m2 filter surface complete with rotary air locks and power fan		
	LHS bag filter with auto cleaning compressed air pulses, rotary air lock, explosion flaps, pre separating chamber, deflector hood and filter		
<b>1</b>	<b>Straw Pre Cleaning System D</b>		<b>1358, 1358.300, 1358.200, 1342</b>
	Integrated container installed system with design capacity of 9 to 12 tons per hr, consisting of		
	Silicate separator unit of 12 meters x 2.2 meter, with 7.5 kW rotary air locks		
	Siempelkamp straw distributor with 2000 mm roller and 4 kW installed power		
	Seimpelkamp twin screw integrated conveyor measuring 8000 mm long x 800 mm dia, with 7.5 kW installed power		
	Ventapp extraction / filter cleaning system with 2000 eff kg/m3, 120 to 250 m3/h volumetric throughput, 36,000 m3/h air volume, 315 m2 filter surface complete with rotary air locks and power fan		
	LHS bag filter with auto cleaning compressed air pulses, rotary air lock, explosion flaps, pre separating chamber, deflector hood and filter		
<b>1</b>	<b>Trough Scrap Conveyor</b>	Siempelkamp	<b>1392</b>
	designed for removal of stones and oversize material		
	32 meter flat length, 6 meter x 40 degree inclined section, 800 mm width		
	9.2 kW installed power with chain guides & tensioner		
	gravimetric throughput of 1000 eff kg/hr		
<b>1</b>	<b>Trough Chain Conveyor - Scraper</b>	Siempelkamp	<b>1394</b>
	designed for chopped straw with gravimetric throughput of 36 eff kg/h		
	45 degree incline		
	with (2) 11 kW motors, chain guides & tensioner		
	with chain guides, drive and tensioner		
<b>1</b>	<b>Trough Chain Conveyor</b>	Siempelkamp	<b>1398</b>
	designed for straw dust recovery with gravimetric throughput of 3500 kg/h		
	25 meter length x 640 mm width		
	45 degree incline		
	5.5 kW installed power, with fire fighting nozzels		
<b>1</b>	<b>Rotary Blower</b>	Kaiser	
<b>1</b>	<b>Straw Dosing - Metering Bin</b>	Siempelkamp	<b>1530</b>
	32 meter length x 4 meter wide x 6.6 meter bunker height		

	380 m3 bunker volume		
	67 kW installed power		
	includes live bottom belt, rake conveyor, cleaning brush and bin level indicators		
	associated electrical in SR-10		
<b>1</b>	<b>Dust Extraction Unit for Chopped Straw Dosing Bin</b>	Ventapp LHS	<b>1531, 1532</b>
	design capacity of 300 eff Kg/h gravimetric and 25 m3/h volumetric throughputs, 8000 m3/h air volume, 5000 Pa filter pressure drop, with		
	automatic cleaning bag filter with ZLF-030-EX explosion proof air lock		
	associated radial fans, deflector hood, fire fighting nozzels and support structure		
<b>1</b>	<b>Twin Screw Conveyor</b>	Siempelkamp	<b>1551</b>
	gravimetric throughput of 32,000 eff kg/h		
	volumetric troughput of 720 m3/h		
	screw length of 7500 mm x 1000 mm diameters		
	with (2) 9.2 kW gear motor drives		
	plus covers, inspection doors and fire fighting nozzles		
<b>1</b>	<b>Inclined Belt Conveyor</b>	Siempelkamp	<b>1552 / 1553</b>
	17 meter length x 1400 mm belt width		
	1400 mm belt width		
	20 degree inclination		
	5.5 kW installed power		
	includes Cassell model Big 1400mm through belt metal detector, plus inclined lateral guiding rolles and support framework		
<b>1</b>	<b>Inclined Belt Conveyor (extends to Refiner infeed screw)</b>	Siempelkamp	<b>1554 &amp; 1555</b>
	36 meter length x 1600 mm width		
	25 degree inclination		
	44 kW installed gear motor drive		
	diverter flap W1000 x L1400, with pneu cylinder and (2) limit switches		<b>1554</b>
	with chain tensioner, guides, carriers & support structures		
<b>1</b>	<b>Inclined Belt Conveyor</b>	Siempelkamp	<b>1557</b>
	1401 mm belt width, 13 degree inclination		
	with (2) 11 kW gear motor drives		
	belt cleaning & tensioning devices		
	safety equipment and dust and rain cover		
<b>1</b>	<b>Exhaust Fine Sifting Electrical #1000MC01</b>		
	Located in SR-10		
<b>1</b>	<b>Exhaust Fine Sifting Electrical #1000MC02</b>		
	located in SR-10		
	<b>Explosion Protection Control Unit</b>	IEP Tech	
<b>1</b>	<b>Daikin Room Air Conditioning System</b>		
	Located on roof of SR-10)		