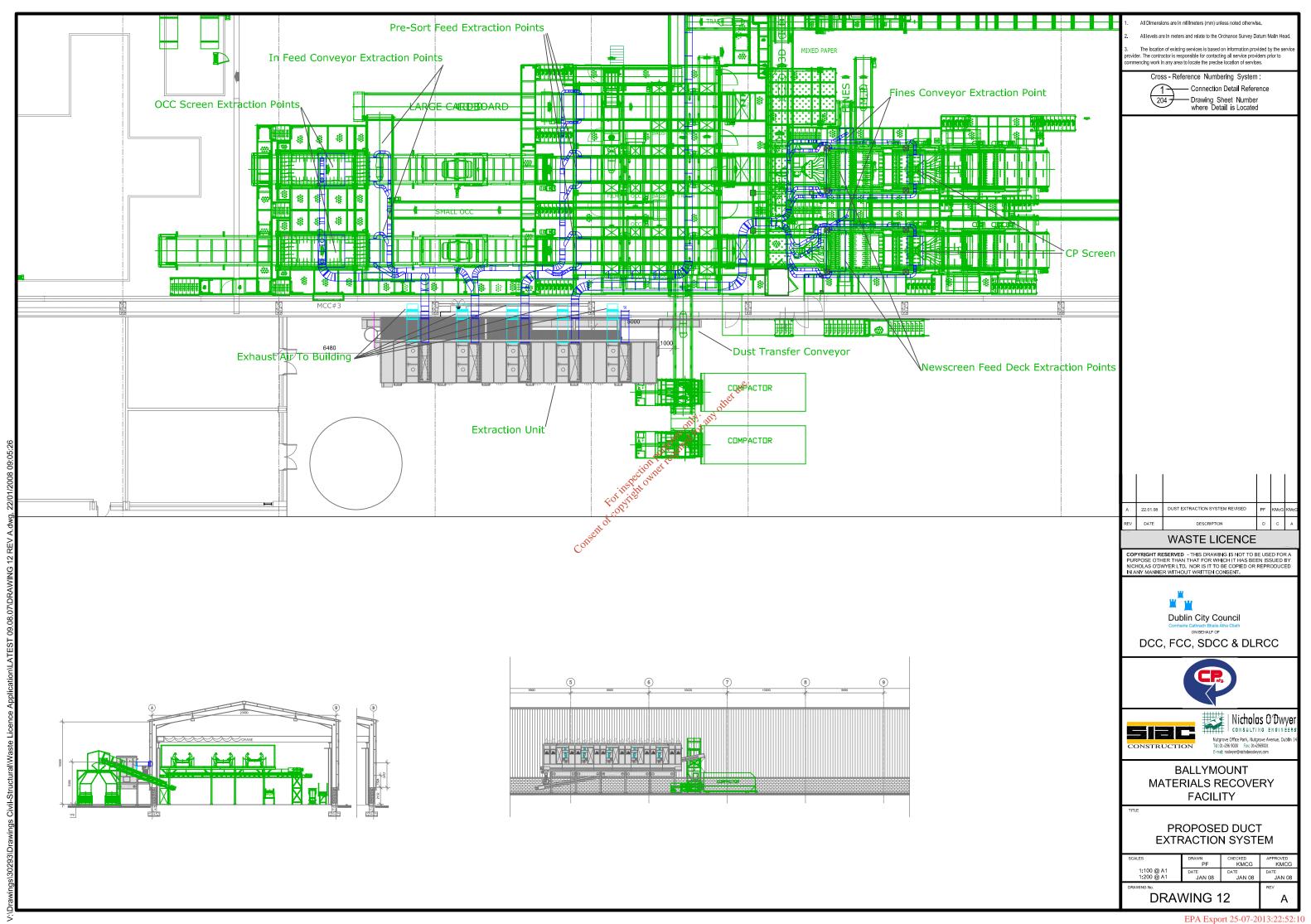
Appendix 1 - Revised Drawings of the Dust Extraction System

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Technical design aspects NTHOT/MODESTA negative dust extraction system MKF-4800-hr-(cp)

Energy saving concept negative pressure high efficiency filter systems

- Build in hr-fans efficiency 82 % type MX30-224-hr situated in top inlet section or extra top section
- Cascade arrangement offers optimal efficiency performance or energy saving when partly
 the extraction capacity is wanted. The difference to the use of inverters is there limited
 range technical spoken in behalf of maintaining the efficiency between 80 to 110 % and
 the performance level to the needed pressure KP(a) or Watergate.
- Interlocking hours selection of the hr-fans automatically arranged by PLC switchboard

Integrated and pre assembled design and delivery

- Build in hr-fans with the utilization of the rest heat or energy of the installed power consumers
- Pre separation by top inlet sections chambers arranged on the length of the system
- Turn-key electrical wiring during pre assembly stage in NIHOT/MODESTA factory

Internal big volume concept. to the design parameters total size and filter cloth or surface

- Filter sleeves diameter 150 mm. length 2.000 mm. means low upstream airspeed < 1 m/sec.
- Pre separation by top inlet sections chambers and low filter load about 90-120 and basic around 100 m/h. guarantees advantageous service intervals
- Big volume concept design mean no negative aspects by the normally chosen compact (circular) shapes
- Chain design and negative concept is skilled and suitable for heavily build or gross waste
 materials and high volume load as these are seen in the recycling, paper and
 woodworking industries.

Mechanical Reddler chain conveyor transport for dosing waste materials dust and chips to transport system

- Limited height by using the rectangular shape of the chain filter basic design choice
- Integral or entire railings of bearing of the Reddler chain conveyor in overall length
- High volume capacity of waste material load and provides outstanding high reliability of the system

Innovation energy by optional insulation of the filter for thermical and acoustical norm and legislation

- Thermical 50 PU insulation of the total filter housing and optional inclusive extra outside upholstering in RAL colour
- Acoustical absorbing upholstering inside hr-fan compartments

Filter cleaning systems MFR

 MFR-cp filter cleaning compressed air - Continuous system chosen depending the dust type, by heavy waste load and depending company working hours up to 24 hours on 7 days this cleaning system will be required. Frequency compressed air cleaning automatically by pressure difference control measure and by PLC guidance. Low energy consumption by basic design NIHOT/MODESTA means limited consumption when designing on low filter loads

Electrical switchboard

• Cascade adjustment hr-fans and integral PLC Siemens with display or touch screen. And safety circuits for reliability and controlling all mechanical components





Accordingly legislation and norm regulations

- CE machine directive + 94/9/EG (ATEX 95) and concept analyse ATEX 137 zone
- Normative NEN-EN12779 directive CADES
- Health and Safety legislation UK and Europe and outside regulations NER for emissions to dust and noise.
- NEN60204 and NEN1010 EMC electrical regulations

Delivery and mounting on location

- Quick or swift installation of the dust extraction for reliable implementation of the extraction meanly by pre assembled delivery of the system
- Limited mounting time on location and reduced cost for our the mechanics and limited inconvenience on sight
- Ducting system QA or MLS premises short mounting time and high quality project standards.

Reliability dust extraction

- By the design of build in hr-fans in the clean air are the main reason for the reliability and occurring failures of some hr-fans does not disrupt the performance of the dust extraction system.
- Stable and solid heavily build chain conveyor base on entire railings or bearing of the Reddler chain for occurring blockades by waste materials. Big volume concept design in combination with chain system provides during limited waste amount 1-2 m³ the system can be down for short period of time due to problems in the transport system or when changing the stock in containers, trailers or silos.

50

		MANG		ANGES OF	COMPANDED IN		MARKET STATE	D.		and the same	i		D
no.	description machines	D.	num	ber	D.	nur	nber	D.	number		in work	capacity m ³ /h	D.
		mm		- 6	mm		Lob	mm	48 - An -	no.		111 711	total
	Dedusting recycling GP relend								The same				
	OCC Screens	250	x	1	140	Х	1		х	1	ja	5.803	287
	OCC Screens	250	X	1	140	Χ	1		х	1	ja	5.803	287
	Picking Belt Cabin	200	X	2	160	Χ	2		х	2	ja	9.274	362
	NEW Screens	200	X	1	200	X	1		х	2	ja	5.655	283
	NEW Screens	200	X	1	200	X	1		х	2	ja	5.655	283
	NEW Screens	200	X	1	200	Χ	1		Х	2	ja	5.655	283
	Extra separation	351	X	1	350	Χ	1			3	ja	17.368	496
									dilet use.				
					Total						_	55.213	
Nur	mber of integrated hr-fans	16	x 3.9						00 m³/h	7.70	2 1 1 × 20 pt	CAPACITY	*
no.					Air				Y		TOTAL		N WORK
1	Main ducting dust controll	500			. Duct				25		11.607		11.60
2	Main ducting dust controll	500		_	Duct		672 r		25		26.239		26.23
3	Main ducting dust controll	500		-62	Duct	17	672 r	n /n	25	NIE THE SAL	17.368		17.36
		ms -	- oto	\	_						55.213		55.21
		Ċ	Onsente										
Filta	ersleeve diameter	150	mm		Filter le	oad			96	by tota	al calculated	capacity	
1 1116													



70.	ATTACHMENT 2 PROJECTITEMS description	type	number	valuta	price
	Dust extraction and controll system MKF4800-hr-c		nambor	Varata	prioc
2.	Negative pressure + high efficienty fans cascade + co		6-7 days		
2.1	Modesta chainfilter negative pressure	MKF48 12	0-7 days		
2.2	Compressed air cleaning system	MFR-cp 12	1		
2.3	Rotary valve	MCS48 00	1		
2.4	Firevalve 700*700 mm	LRK77 BR	4		
2.5	Explosion reliefpanel	Fike6 25	8		
2.6	Fire extinguish duct according	MKF48 12	24		
2.7	Sections for pre-separation ducting	MSI 01	5		
2.8	Sections for hr-fans build-in	MSI 02	5		
2.9	Modesta fans high efficienty	MX HR/2 50	16		
2.12	Internal electrical wirering	IB 16	1		
2.13	Electrical switchboard	MES E-4 10	1		
2.14	Additional electrical switchboard MFR-cp	MES E-4 08	1		
2.18	Construction for level filter systeem 2.000 mm.	CON 160	1		
2.19	Stairs and gangway for +2.500 mm. level filter	CON 160	1		
3.1	Return air connections rectangular duct 700*700mm	M. LRK77 FI	4		
3.2	Poture oir grid	OTION DENTI I P	4		
3.3	Poturn air system to production area	ostimation	4		
3.3	Return all system to production area	in chilif	. 4		
4.	Return air connections rectangular duct 700*700mm Return air grid Return air system to production area Mechanical conveyor transport systeem towards press Ducting materials for dedusting system Ducting materials according CAD drawing	sing container systems			exclusiv
τ.	mechanical conveyor transport systeem towards pres	sing container systems			CACIUSIV
5.	Ducting materials for deducting system coldinated				
5.1	Ducting materials according CAD drawing	500	MLS-1		
5.2	Ducting materials according CAD drawing	250	MLS-2		
5.3	Ducting materials according CAD drawing	MLS	OD		
5.4	Ducting materials according CAD drawing	MLS	VC		
5.5	Hoods for connection ducting and chute	medium size hoods	VC		
5.6	Hoods for connection ducting and chute	small size hoods	VC		
5.7	Hoods for connection ducting and chute	special enigeering	VC		
5.1	ribods for conflection ducting and chate	special enligeening	VO		
13.1	Project mounting and delivery costs	MKF			
13.1	Project mounting and delivery costs	CON			
13.3	Project mounting and delivery costs	LRK			
13.4	Project mounting and delivery costs	MLS-1			
13. 4 13.5	Project mounting and delivery costs Project mounting and delivery costs	MLS-1			
13.5 13.6	Project mounting and delivery costs Project mounting and delivery costs	MLS-2			
			N MES		
13.7	Project mounting and delivery costs				
13.8 13.9	Project mounting and delivery costs	Engine			
13.9	Project mounting and delivery costs	Hotel+	แสงย		



nr.	description	type	kW	number	Total kW
	MKF chain powersupply	KRK	0,55	Lorent aut a 1	0,55
	MKF rotary valve powersupply	MCS	0,55	1	0,55
	MKF filtercleaning	MFR cp	0,22	1	0,22
	High efficienty fans	MX/HR2 50	4,00	16	64,00
	High efficienty fans extension	MX/HR2 50	4,00	4	16,00
	Transport mechanical	by client			
		Total installeted power	consumption in	kW	81,32

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ATTACHMENT 4 - SPECIFICATIONS Modesta chainfilter typ MKF4812 HR-cp		
system continuous	continuous 24 hours 7 d	lave
filtercleaning typ III	compressed air	
mercicaling typ m	ASCO integrated model	MFR-cp
compressed air pressure	6.0 - 8.0	bar (o)
use of compressed air max FAD	30.0 Nm³/h by	
system	negative pressure	
	high efficienty energy	
diameter filtersleeves	150	mm.
filtersurvace	576	m ²
filter sleeve medium	polyester naaldvilt	400 gr/m ²
dust emission	< 0,2	mg/m ³
filtration velocity or filterload	96	m/h
outside model	galvaniseerde plaat	Light-Grey
EC guidance compliant	94/9/EG ATEX-95/137	
	NEN-EN12779 CADES	
dimensions length	18.050	mm
wide	2.670 Ared 4,000 Ared 193,000	mm
hight	4,0000	mm
weight fans included	3000	kg
Explosie relief panel Fike	osited	
dimensions	625 x 625	mm
tested according	ISO 6718	
itis of or	EN 10204-3.1.B	
wide hight weight fans included Explosie relief panel Fike dimensions tested according Dry exhuishuish ducting typ compliant with High efficienty fans type		
typ	stortz koppeling	
compliant with	NEN-EN12779	
High efficienty fans		
type	MX HR/224	
number	16	pieces
number extension option	4	pieces
power	4,0	kW
revs	2.820	tpm
capacity	3.450	m³/h
pressure	3.000	Pa
efficienty	80	%
Modesta ducting system MLS	galvanised steel plate	
material	S = 0.7 - 1.0	mm.
duct connections	border end	MLS
norm Klasse B (Eurovent :	2.2) - III (DIN24914)	

