

Bradford, Julie

From: Ross, Stuart
Sent: 10 December 2014 14:43
To: Bradford, Julie
Subject: FW: Outstanding queries Raw Mill Rejects and SRF upgrade
Attachments: P109-29 Building layout.pdf; P109-30 Building Layout.pdf; P109-31 Building layout.pdf

For PR

From: Quick, David J (Padeswood) GBR [mailto:david.quick@hanson.biz]
Sent: 05 December 2014 14:05
To: Ross, Stuart
Cc: Hodson, Joanne (Padeswood) GBR; Sheady, Chris (Padeswood) GBR
Subject: Outstanding queries Raw Mill Rejects and SRF upgrade

Stuart,

Re Raw Mill Rejects modifications,

I can confirm that the timescale for this project is as follows.

Jan 2015	– Installation
Feb 2015	– Cold commissioning
March 2015	- Put into service



Re SRF installation,

Padeswood Works currently burns 3 types of fuel in its calciner system - Coal, MBM and SRF (Solid Recovered Fuel). SRF is being fed to the calciner mechanically, Coal & MBM both pneumatically. Hanson propose to install a new SRF intake, handling & pneumatic conveying system for SRF to the calciner. This will significantly reduce our fuel costs and help minimise our use of coal.

Overview

- The system will be designed to deliver 10TPH of SRF to the calciner in similar location of exiting MBM line.
- Net effect will be the reduction of Coal & MBM onto the calciner.
- The system will incorporate mechanical handling equipment for transport and segregation of the material from one supplier.
- Dosing and pneumatic conveying equipment would be by Pfister.
- SRF will be delivered by Road vehicle to site via 2 docking stations.
- Project is forecast for completion July 2015.
- Proven equipment installed within Heidelberg Cement

SRF deliveries will be done by using standard walking floor trailers (volume of ~90 m³ each) into the reception station. The following block diagram indicates the design criteria of the SRF handling and the dosing system of up to 10 t per hour SRF to calciner.

List of equipment planned in this project is as follows:

- 2 off Truck unloading/reception units
- Mechanical Conveying systems for transporting material from reception units to the dosing system tower.
- Fire suppression systems.
- Deagglomerator.
- Magnetic Separator.
- Screen separator.
- Dosing and control system.
- Pneumatic Conveying System to the calciner @ 10tph

Material properties of SRF used in this project design are compliant with site permit requirement and are broadly are as follows:

CV:	18 GJ/t
Bulk density:	100-300 kg/m ³
Maximum Particle size:	up to 50mm in 2D and 5mm in the 3 rd dimension
Typical Moisture Content:	nominal 15% w/w
Temperature:	0 - 40°C

I have attached the building layouts.

If you have any further queries please do not hesitate to contact me.

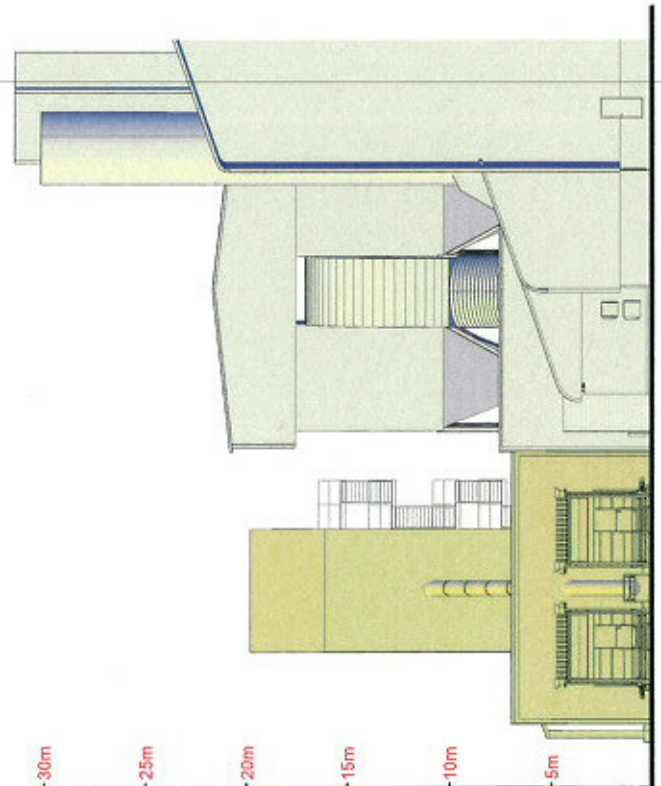
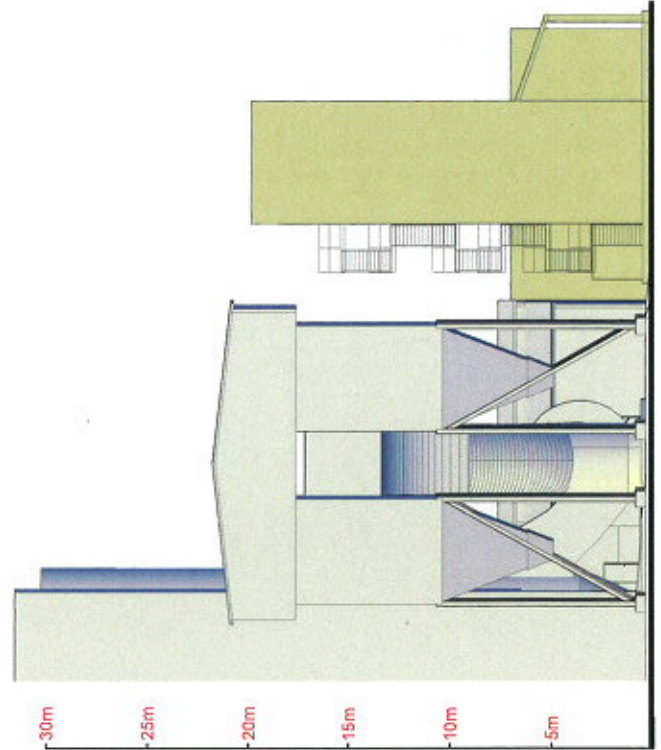
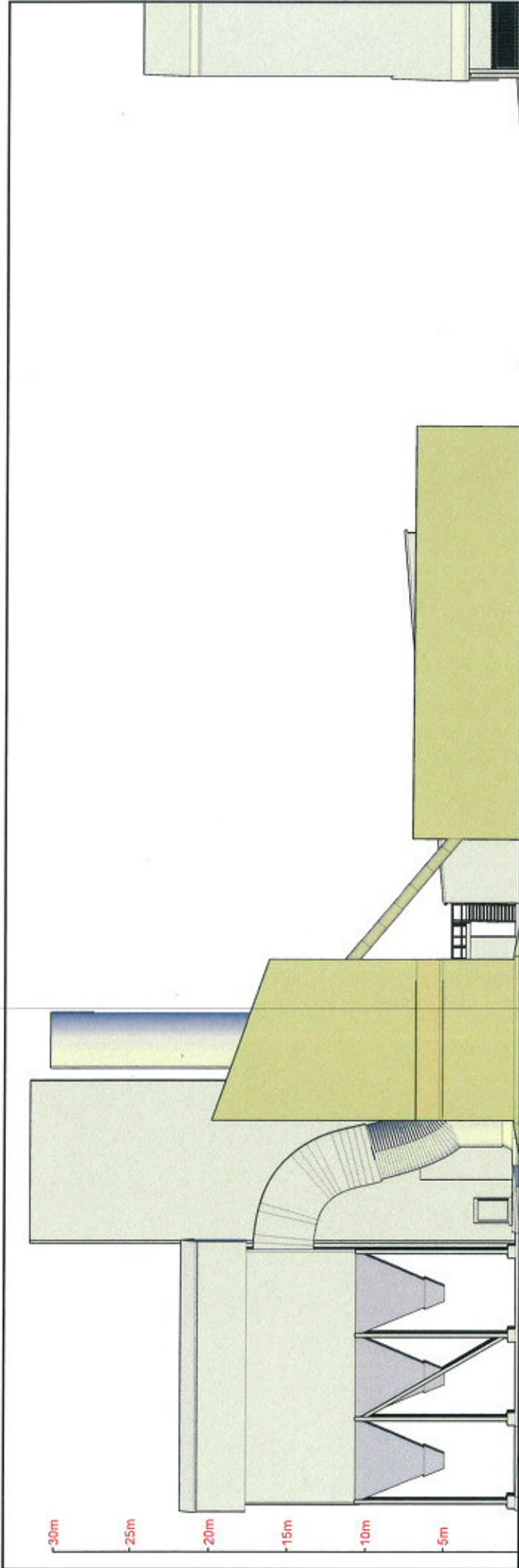
Regards

David

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<http://www.heidelbergcement.com/uk/en/hanson/Terms+and+Conditions/index.htm>

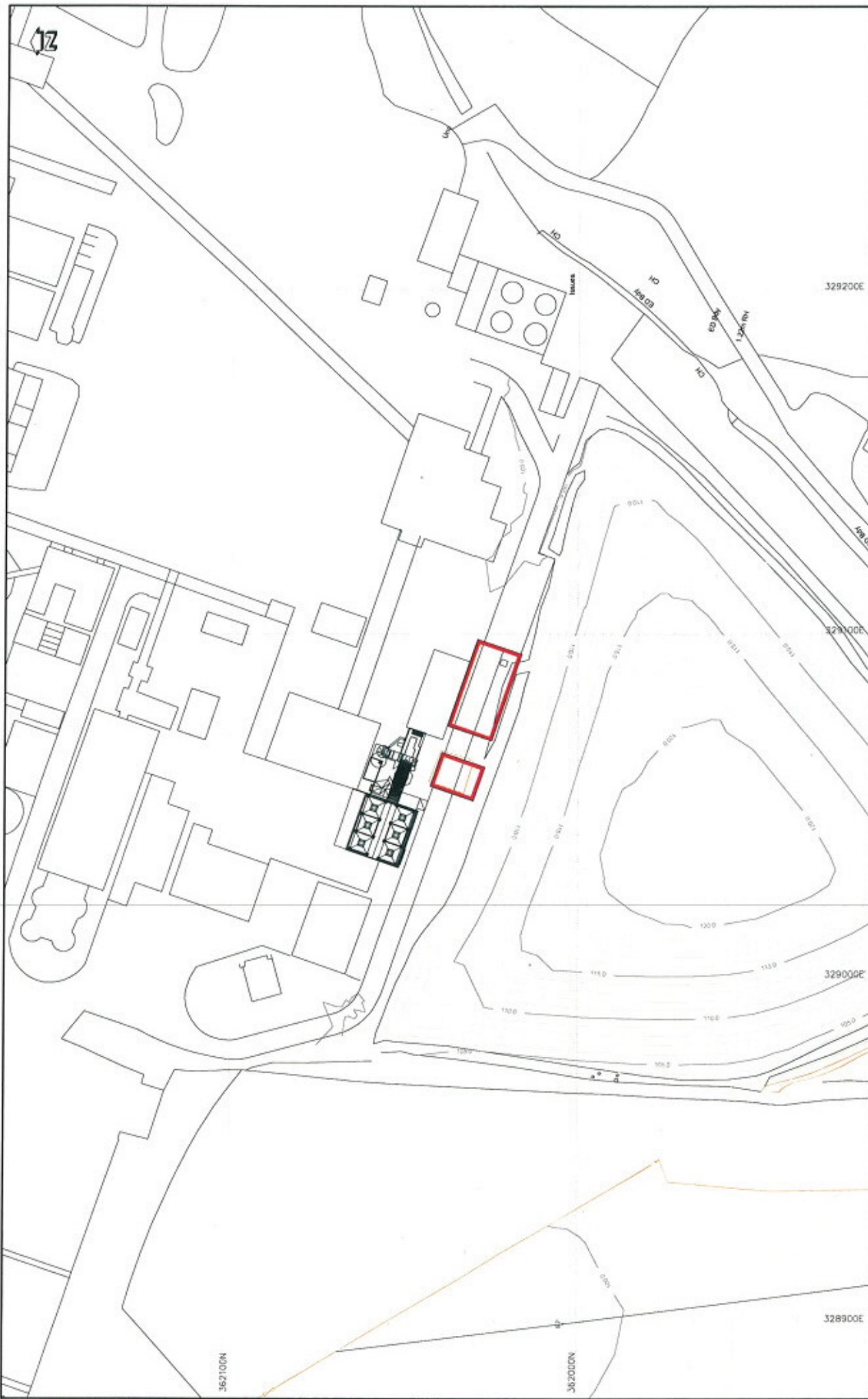
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Legend

- Existing structures
- Proposed structures

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Site	PADESWOOD		
Title	Proposed Elevations		
Scale	1:250	Page	A3
Date	SEPT 2014	Drawn by	AG
		Check by	AB
		Drawing No	P103/30
		Revised	



PADESWOOD

Site Configuration

Scale	1:1000	Sheet	A3	Drawn by	AG	Checked by	AB	Reviewed by	P109/31
Date	SEPT 2014								

Legend

Proposed application area

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