

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

	REVISIONS	DATE
OK FOR PUBLIC REGISTER	SA	16.12.14
COPIED TO PUBLIC REGISTER		

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.

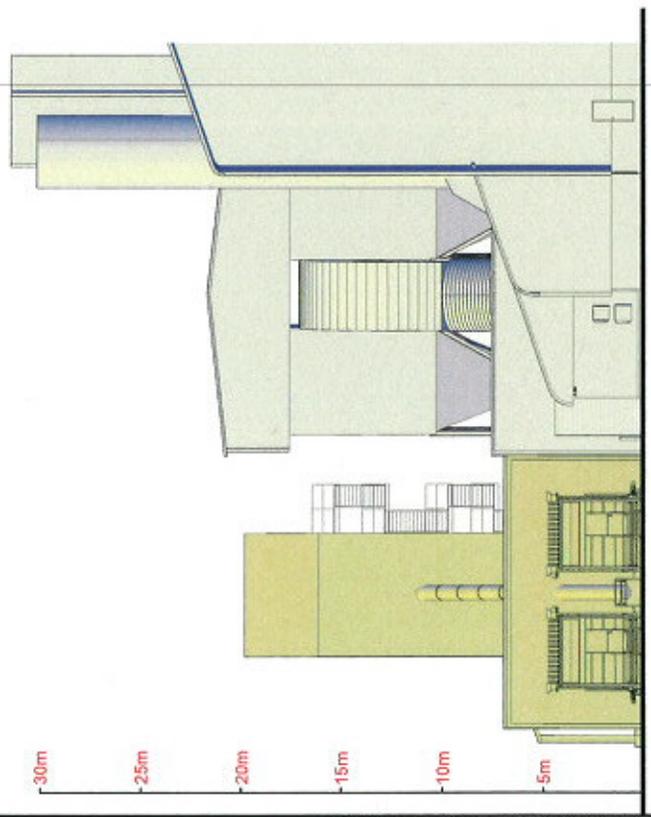
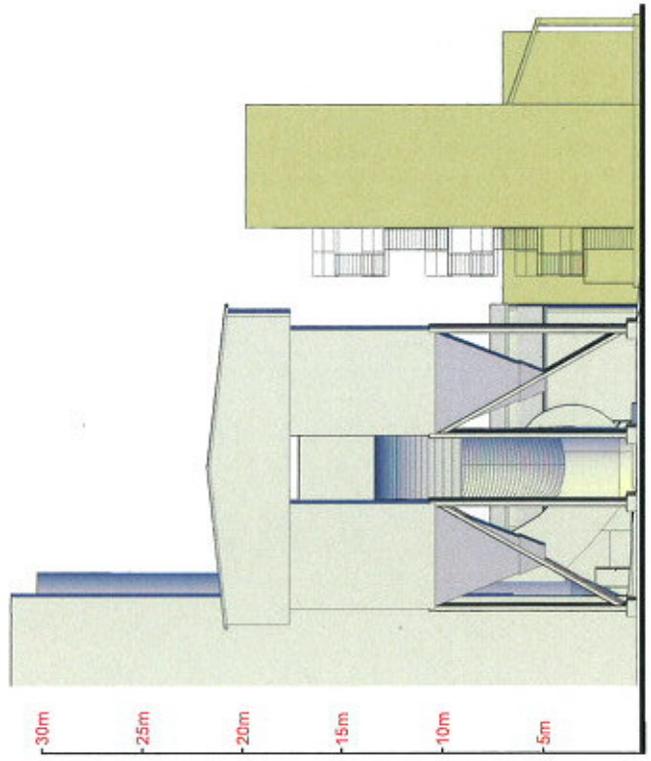
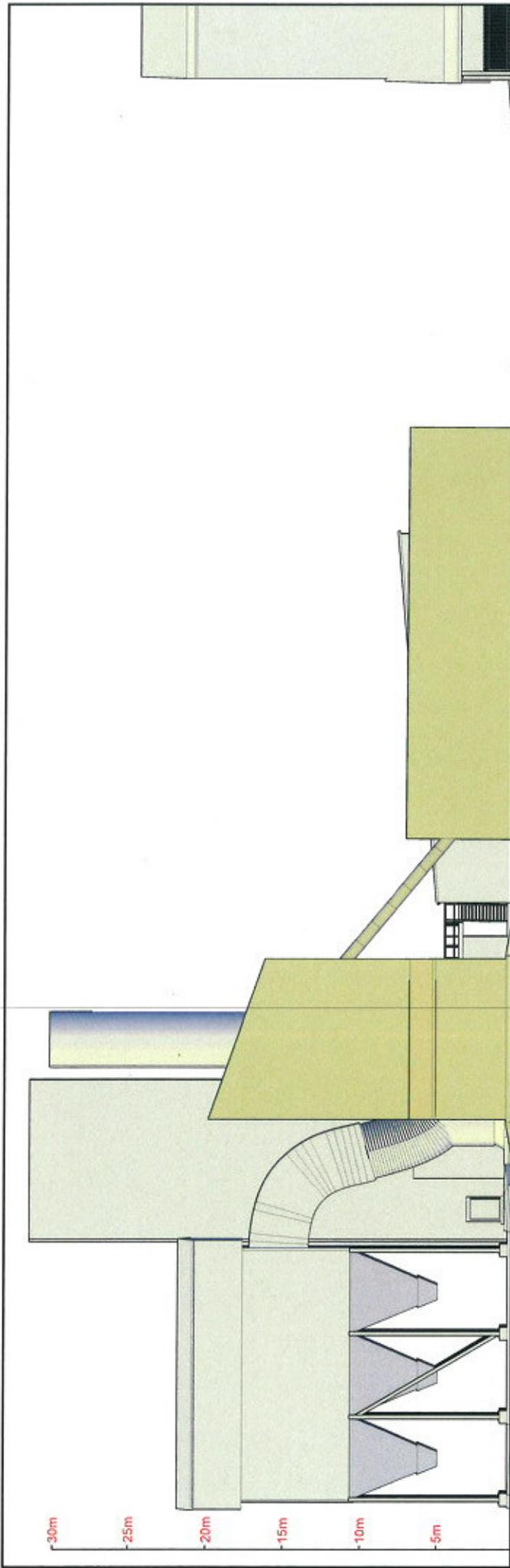
Regards

David

David Quick
Operations Manager
Hanson Cement
Padeswood Works
+44 (0)7713685727

All orders are subject to Hanson's Standard Conditions of Sale, a copy of which can be obtained at <http://www.heidelbergcement.com/uk/en/hanson/Terms+and+Conditions/index.htm>

This e-mail and any attachment transmitted with it are confidential and are intended for the named person's use only. The contents of the e-mail may contain sensitive and private or legally privileged information. If you have received this e-mail in error, please delete it (and any attachment) from your system and notify the sender immediately. You should not retain, copy or print the contents of this e-mail (or any attachment) nor should you, directly or indirectly, disclose or distribute the contents to anyone.



Legend

- Existing structures
- Proposed structures

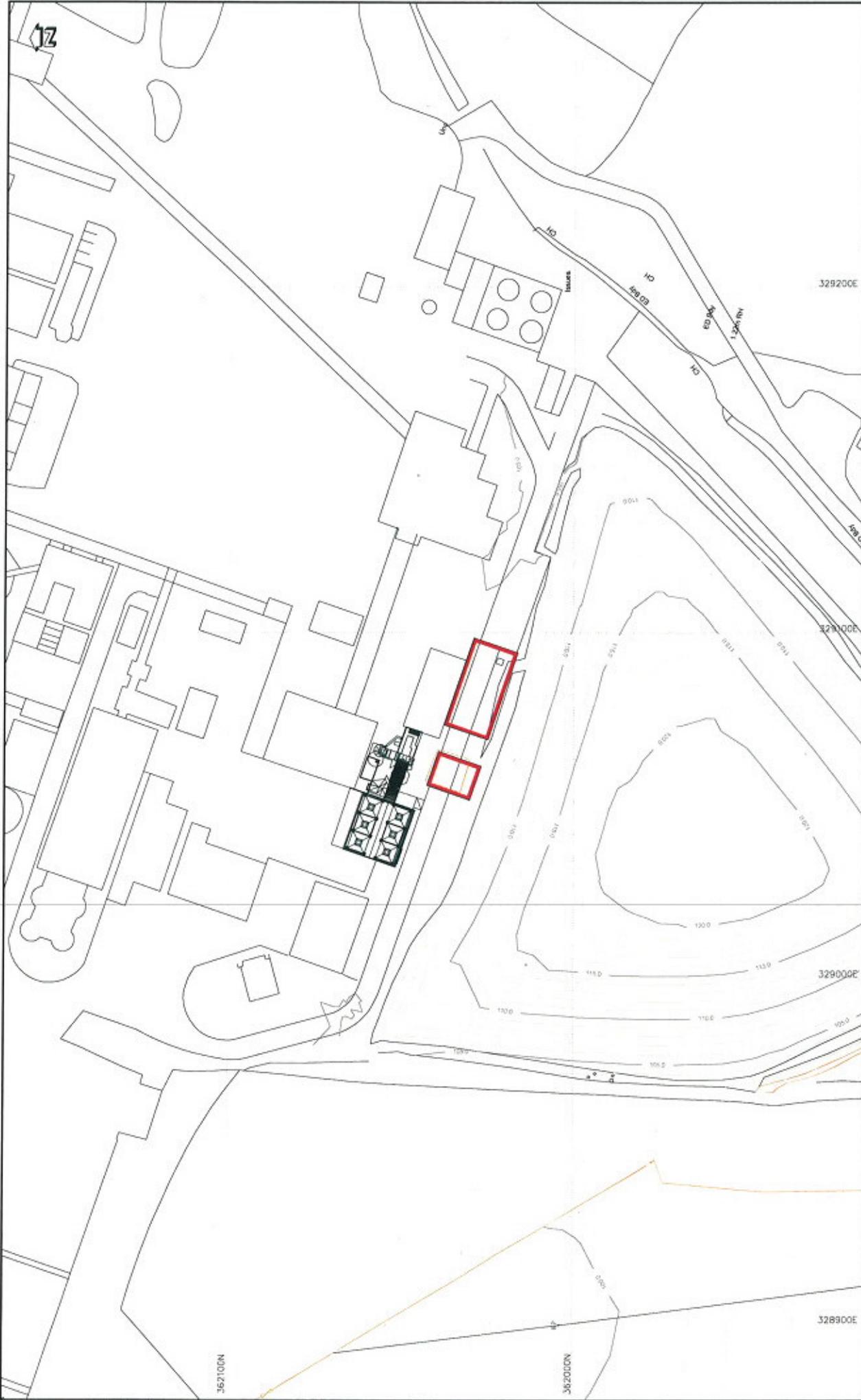
Reproduced by permission of Ordnance Survey on behalf of HMGO. © Crown copyright and database right 2009. All rights reserved. Ordnance Survey license number 0100022440.



Site: **PADESWOOD**

Title: **Proposed Elevations**

Scale	1:250	Sheet	A3	Drawn by	AG	Revision
Date	SEPT 2014			Check by	AB	
						P103/30



Site	PADESWOOD		
Title	Site Configuration		
Scale	1:1000	Sheet	A3
Date	SEPT 2014	Checked by	AB
Revision		Drawn by	AG
		Project No.	P109/31

Legend

 Proposed application area

Hanson
HEALTHCARE GROUP

14-02 - 11/10/2014 (Drawing) (P109/31) (2)

