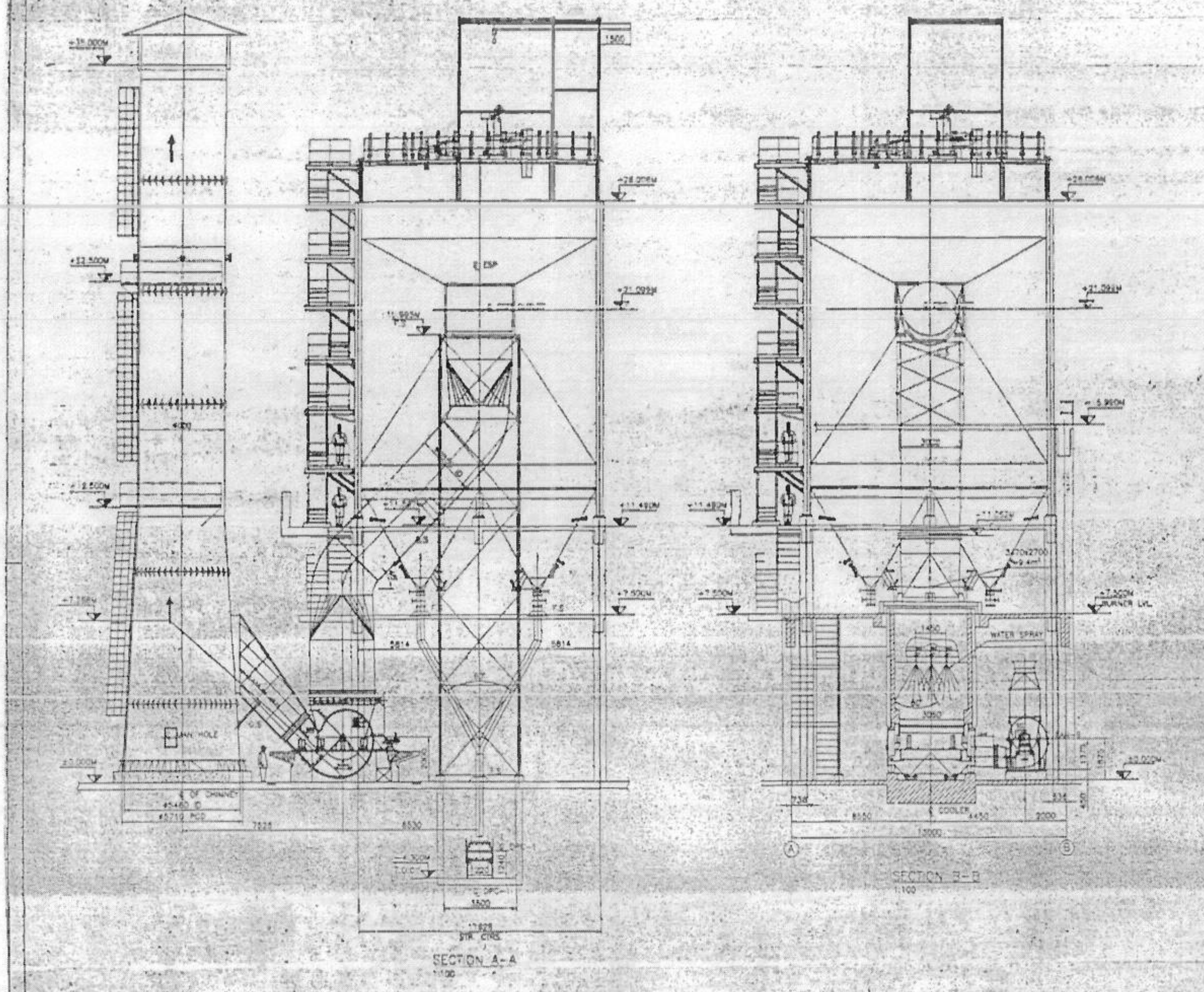

H. DOGIA
REGISTERED ARCHITECT
NAIROBI - KENYA

NOTES:

1. ALL DIMENTIONS ARE IN MM AND LEVELS ARE IN M.
2. ALL WELDS ARE 8 MM FILLET CONTINUOUS U.O.S.
3. ALL WELDS SHALL BE CARRIED OUT BY QUALIFIED WELDER
4. ALL WELDS SHALL BE UNIFORM AND AIR TIGHT.
5. ALL FLANGES SHOULD BE MATCH DRILLED WITH MATING FLANGES AFTER THE ALIGNMENT.
6. ALL FLANGES TO BE TACK WELDED AND FINALLY WELDED

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M/S.NATIONAL CEMENT COMPANY LTD.

DESIGN TRIBE (INDIA) PVT. LTD.
Consulting Engineers & Architects

FOR APPROVAL

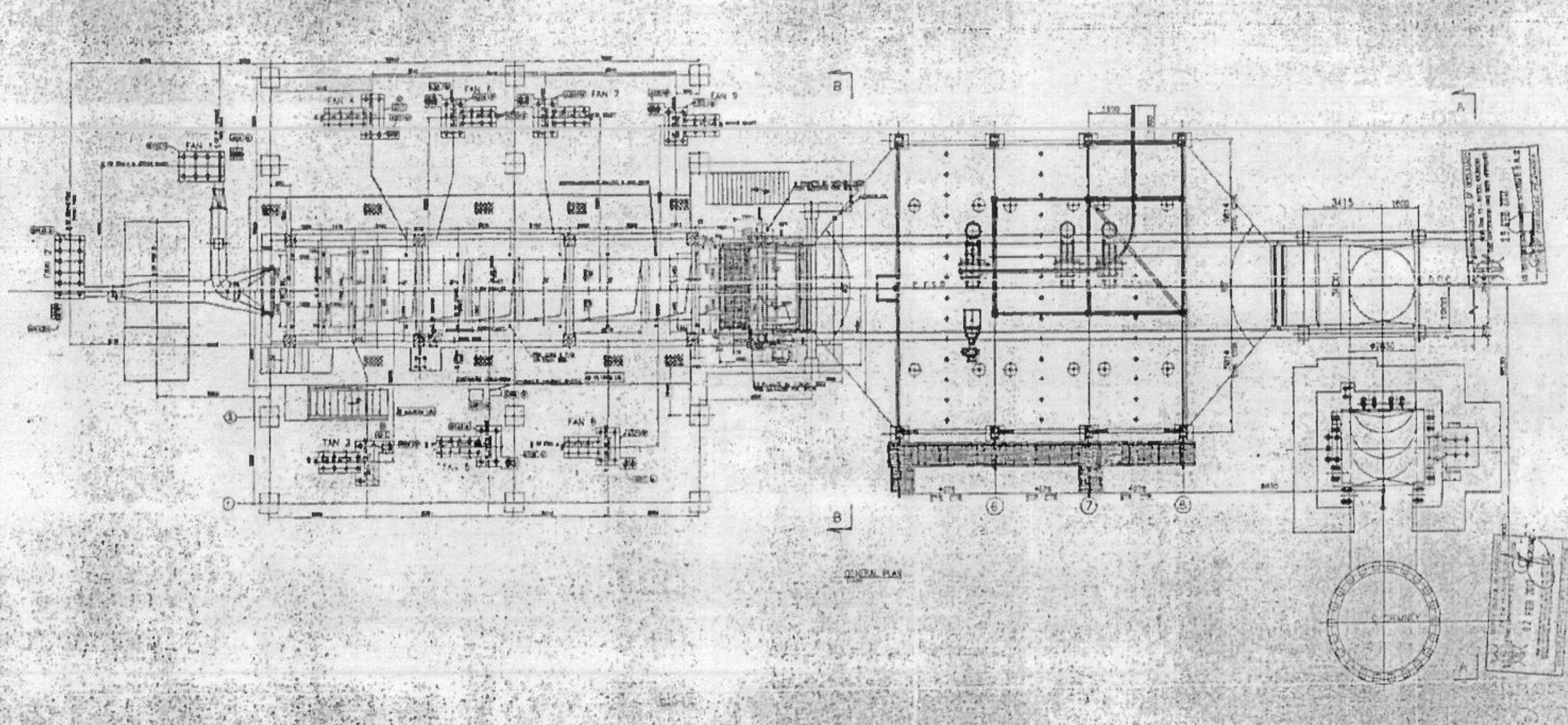
3000TPD CLINKERISATION PLANT AND GRINDING UNIT AT EMALI, KENYA.

COOLER BUILDING

G.A OF GRATE COOLER

MECHANICAL

SUBMITTED



H. DODIA
REGISTERED ARCHITECT
P.O. Box 39443 - 00623
NAIROBI - KENYA

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M.
2. ALL WELDS ARE 6 MM FILLET CONTINUOUS U.O.S.
3. ALL WELDS SHALL BE CARRIED OUT BY QUALIFIED WELDER
4. ALL WELDS SHALL BE UNIFORM AND AIR TIGHT.
5. ALL FLANGES SHOULD BE MATCH DRILLED WITH MATING FLANGES AFTER THE ALIGNMENT.
6. ALL FLANGES TO BE TACK WELDED AND FINALLY WELDED

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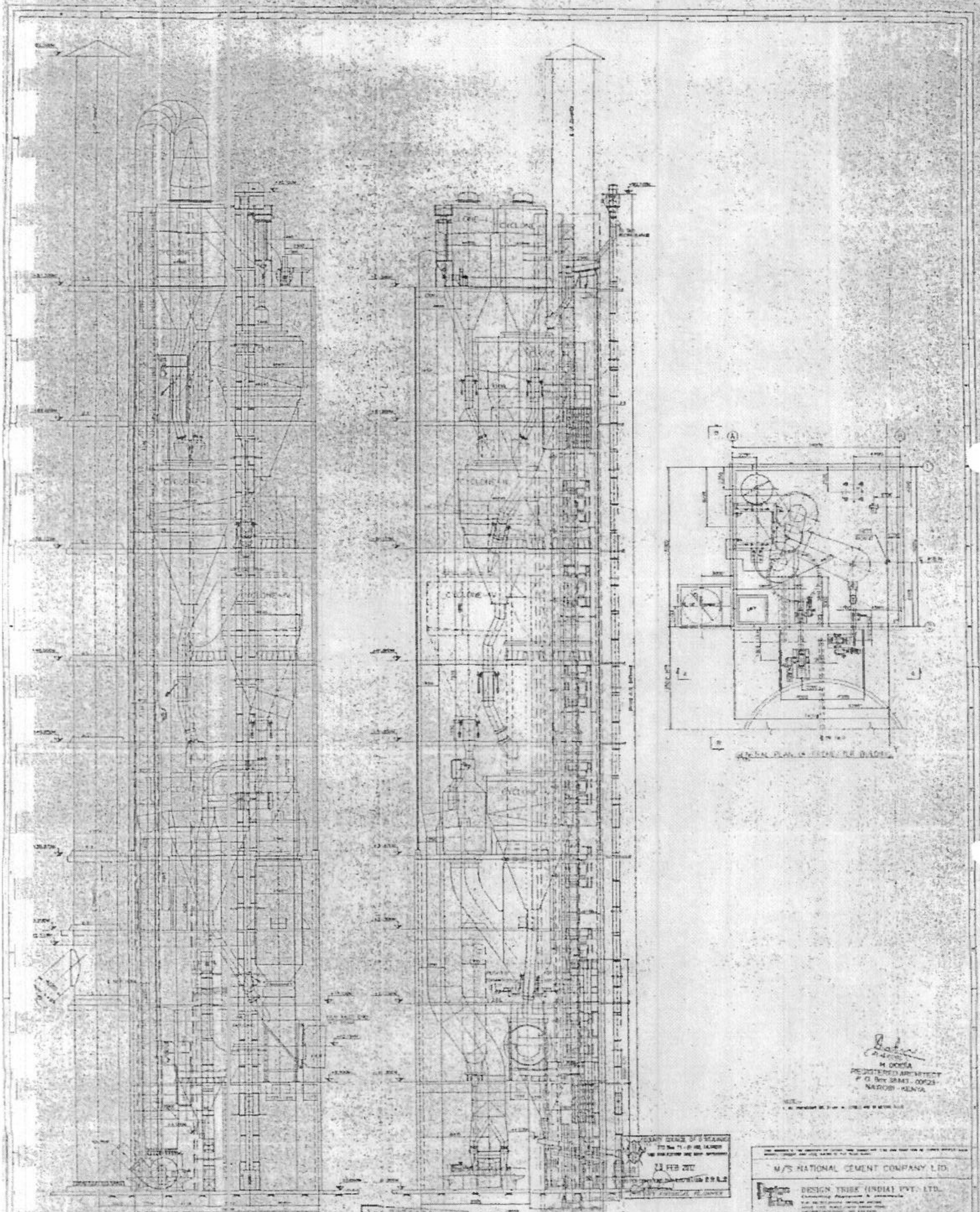
Consulting Engineers & Architects

FOR APPROVAL

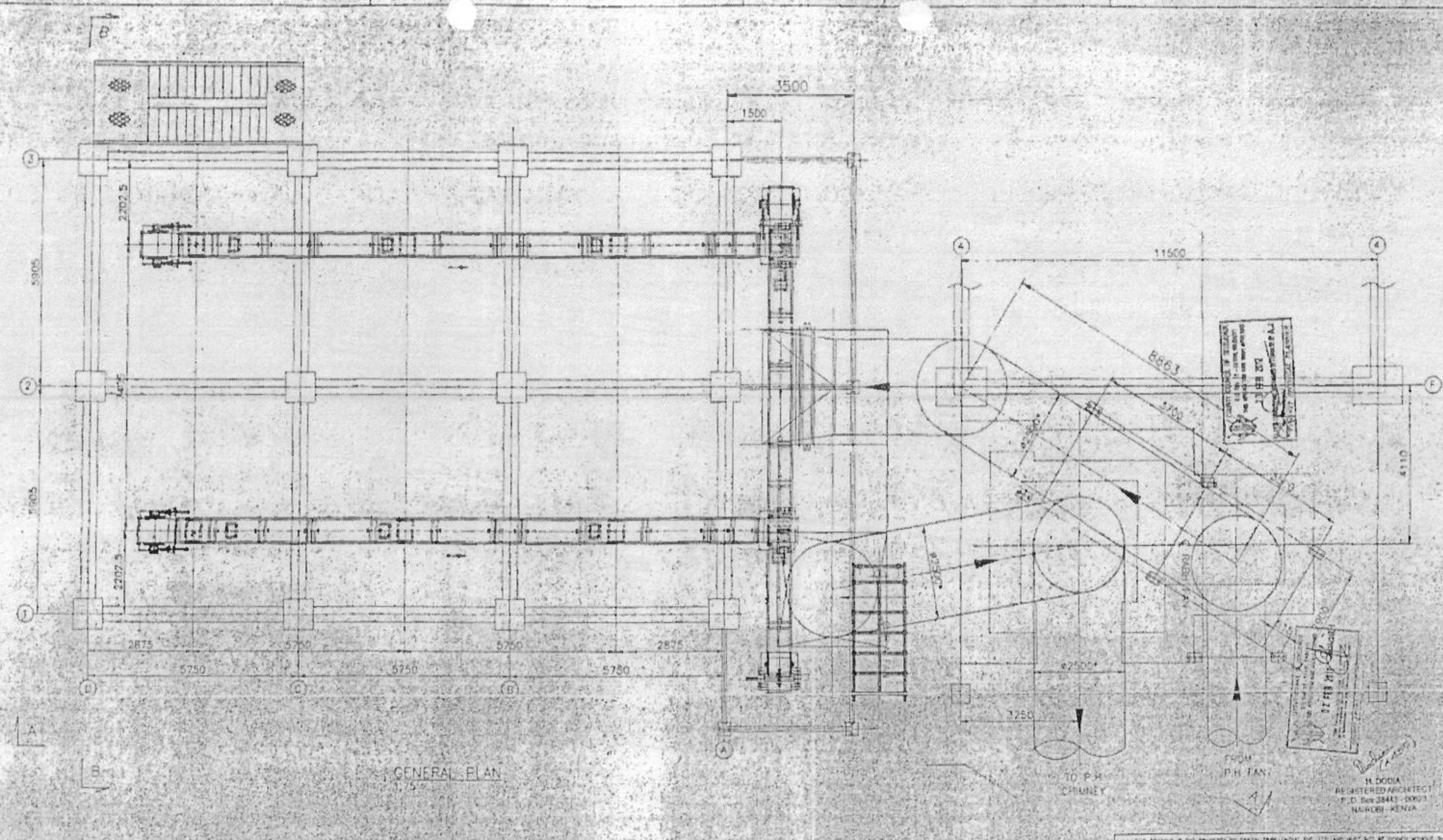
3000TPD CLINKERISATION PLANT AND GRINDING UNIT
AT EMALI ,KENYA.

COOLER BUILDING
G.A OF GRATE COOLER
MECHANICAL

SUBMITTED



GENERAL PLAN OF PREHEATER BUILDING
M OCHSA
REGISTERED ARCHITECT
P.O. Box 38443 - 00623
NAIROBI - KENYA
NOTE:-
M/S NATIONAL CEMENT COMPANY LTD.
DESIGN TRIBE (INDIA) PVT. LTD.
FOR APPROVAL
3000TPD CLINKERISATION PLANT AND GRINDING UNIT AT EMALI KENYA
PREHEATER BUILDING
GENERAL ARRANGEMENT OF PREHEATER BUILDING MECHANICAL
211002
COUNTY COUNCIL OF OLKEJUADO
23 JAN 2012
SUBMITTED
02 FEB 2012
23 FEB 2012



NOTE:-
1. ALL DIMENSIONS ARE IN MM. ALL LEVELS ARE IN METERS O.S.S.
2. THE COLUMNS AND BEAM SIZES SHOWN IN THE DRAWING IS INDICATIVE ONLY.
3. THE FINAL SIZES OF CIVIL COLUMN AND BEAM SIZES AS WELL AS STRUCTURAL COLUMN & BEAM SIZES SHOULD BE DECIDED BY CIVIL DESIGNER.
4. SUFFICIENT GROUTING MARGIN TO BE PROVIDED WHILE LAYING THE FOUNDATION.
5. PLEASE DO NOT SCALE THE DRAWINGS, ASK IF ANY DOUBT.

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DESIGN TRIBE (INDIA) PVT. LTD.
Consulting Engineers & Architects
7-1-20/1/2, FLAT NO. 305, BHAVYA SRISAILAM ARCADE
ABOVE FOOD WORLD, DARAM KARAN ROAD,
AMEERPET, HYDERABAD-500 038. INDIA

FOR APPROVAL

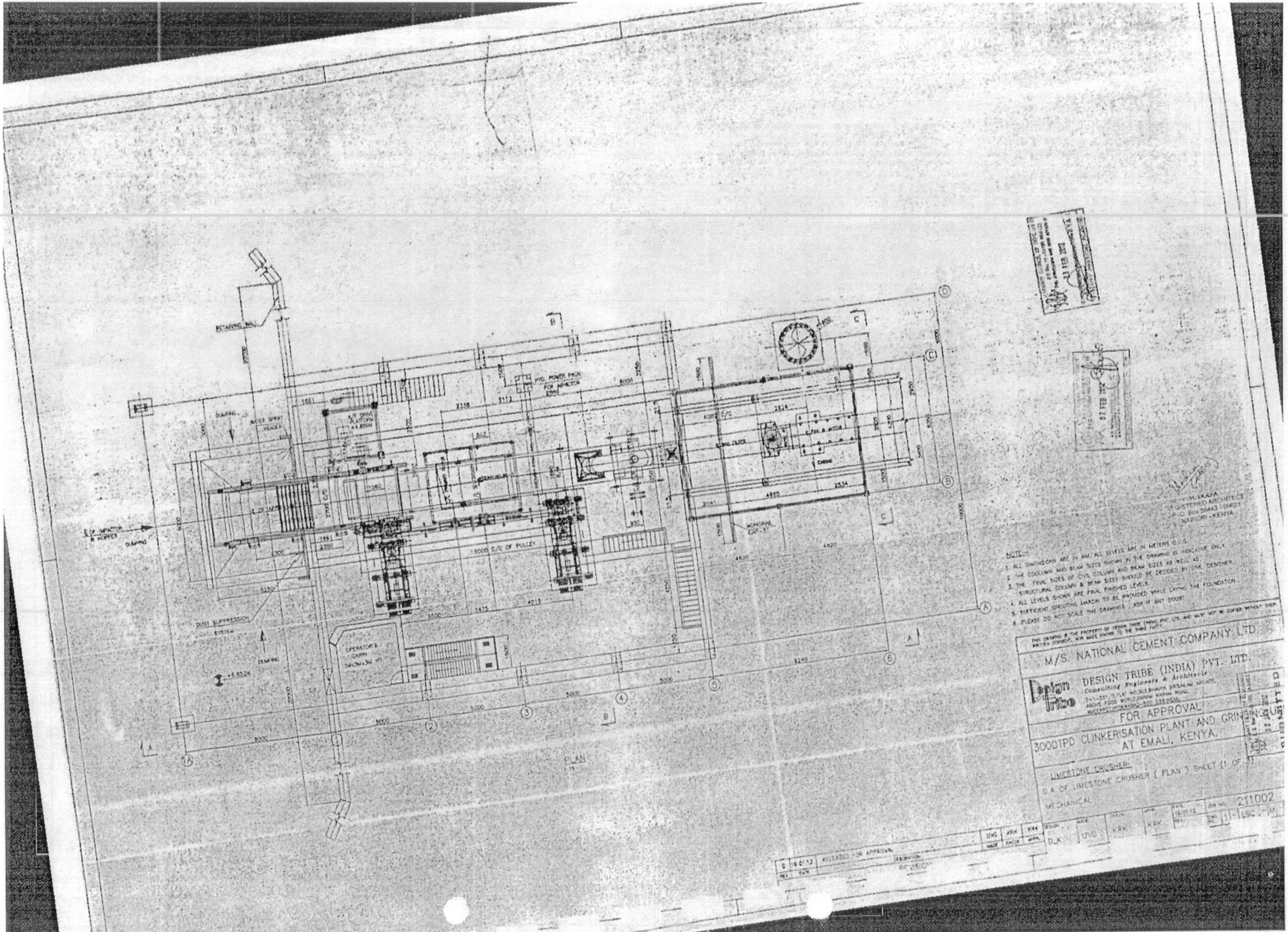
3000TPD CLINKERISATION PLANT AND GRINDING UNIT AT EMALI, KENYA

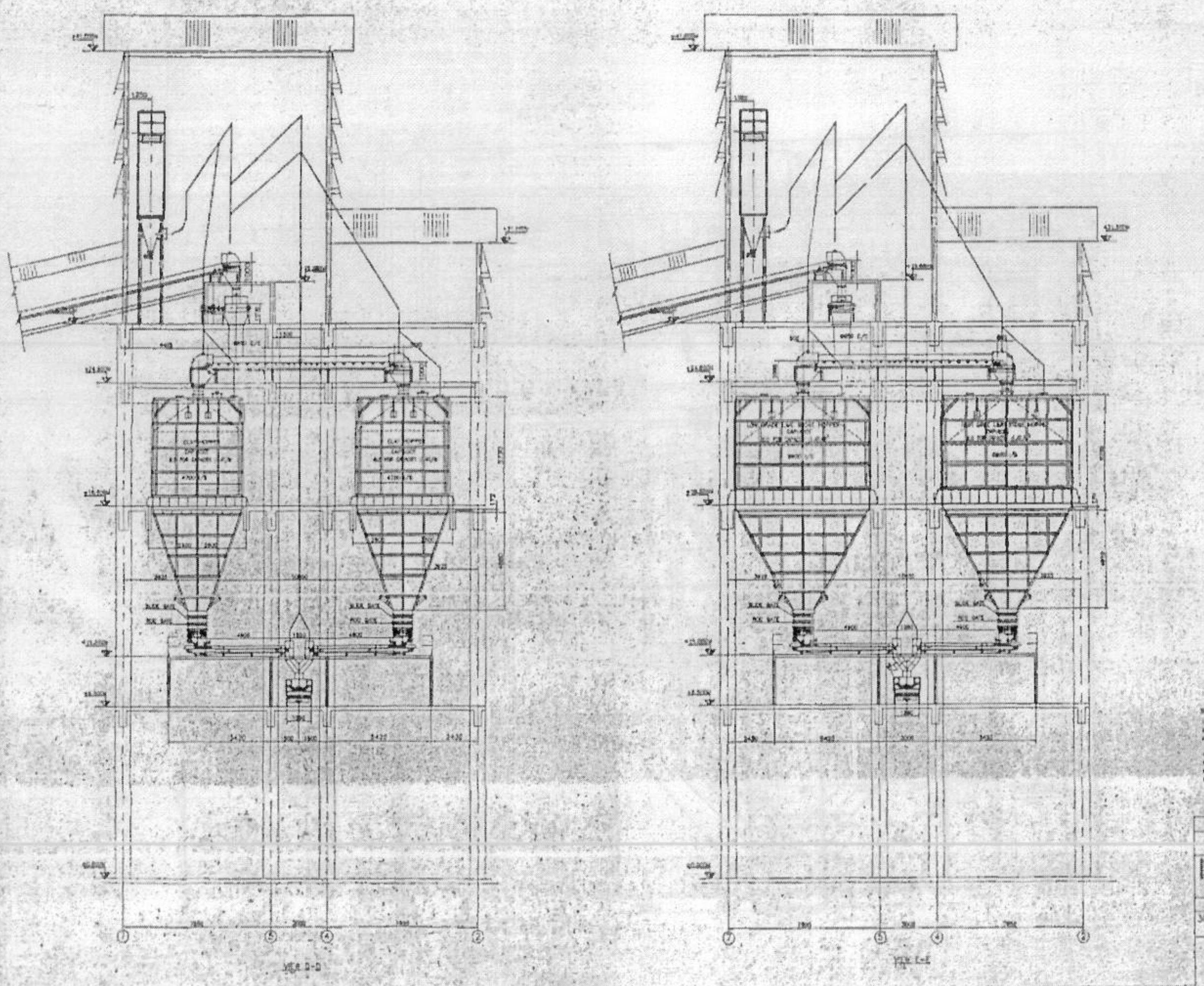
KILN BAG HOUSE:
GENERAL PLAN OF KILN BAG HOUSE
MECHANICAL

SUBMITTED 30 JAN 12

0 | 19.01.12 | RELEASED FOR APPROVAL

211002


PLAN
DUST SUPPRESSION SYSTEM
OPERATOR'S CABIN
MONORAIL
RETAINING WALL
NOTE:-
1. ALL DIMENSIONS ARE IN MM, ALL LEVELS ARE IN METERS O.L.S.
4. ALL LEVELS SHOWN ARE FINAL FINISHED LEVELS.
6. PLEASE DO NOT SCALE THE DRAWINGS, ASK IF ANY DOUBT
M/S. NATIONAL CEMENT COMPANY LTD.
DESIGN TRIBE (INDIA) PVT. LTD.
FOR APPROVAL
3000TPD CLINKERISATION PLANT AND GRINDING UNIT
AT EMALI, KENYA.
LIMESTONE CRUSHER:
G.A. OF LIMESTONE CRUSHER (PLAN) SHEET (1 OF 3)
MECHANICAL
211002
D_K
UVD
KRK
KRK
RELEASED FOR APPROVAL



H. DODIA
REGISTERED ARCHITECT
P. O. Box 38445 - 00623
NAIROBI - KENYA

NOTE:-

M/S NATIONAL CEMENT COMPANY LTD

DESIGN TRIBE (INDIA) PVT. LTD.
Consulting Engineers & Architects

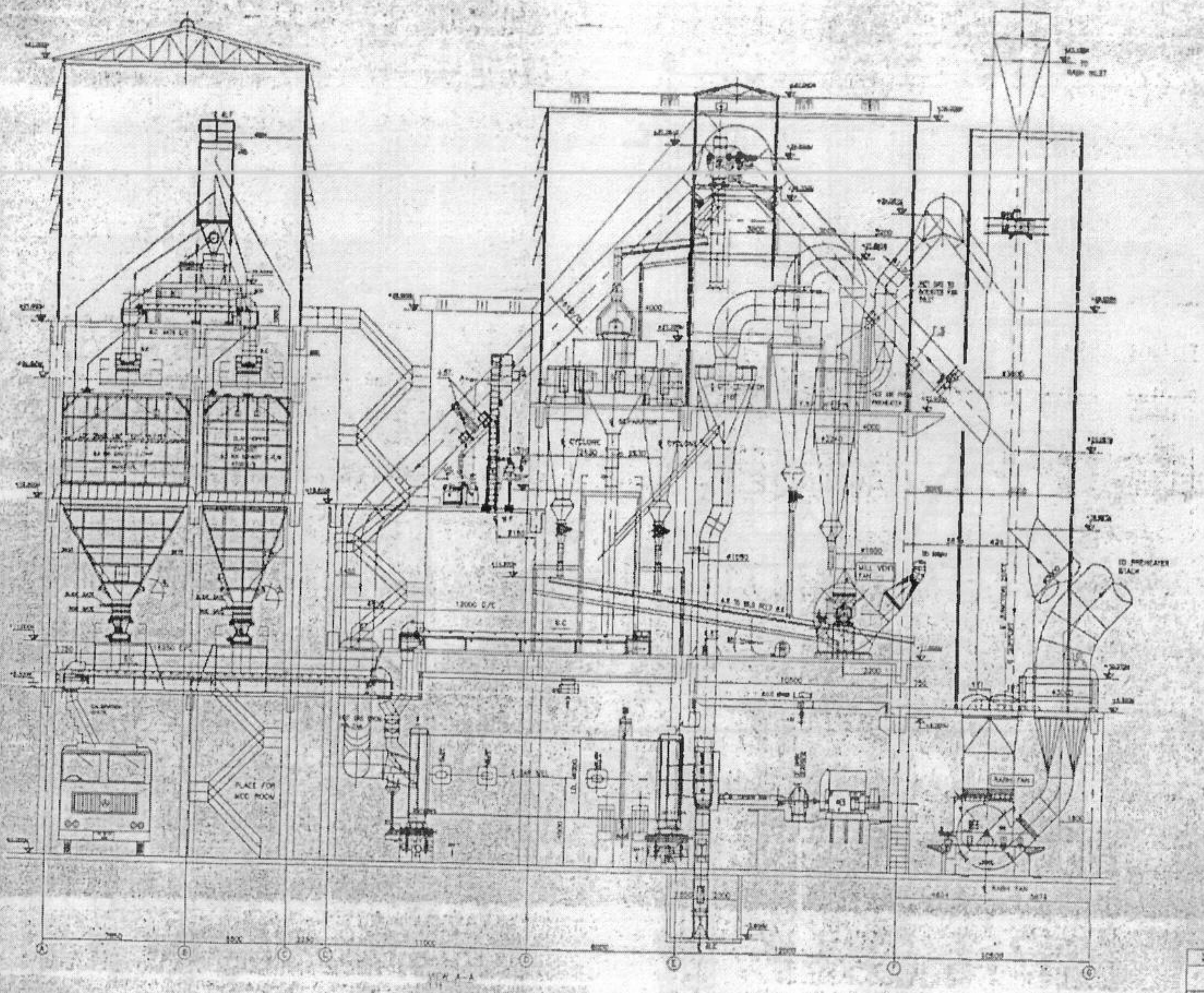
FOR APPROVAL

3000TPD CLINKERISATION PLANT AND GRINDING UNIT AT EMALI, KENYA.

RAW MILL BUILDING:
G.A. OF RAW MILL BUILDING SECTIONS
(VIEW D-D & E-E)
MECHANICAL

211002

SUBMITTED



H. DOOIA
REGISTERED ARCHITECT
P. O. Box 38443 - 00623
NAIROBI - KENYA

NOTES:

M/S NATIONAL CEMENT COMPANY LTD.

DESIGN TRIBE (INDIA) PVT. LTD.

FOR APPROVAL

3000TPD CLINKERSATION PLANT AND ... AT EMALI, KENYA

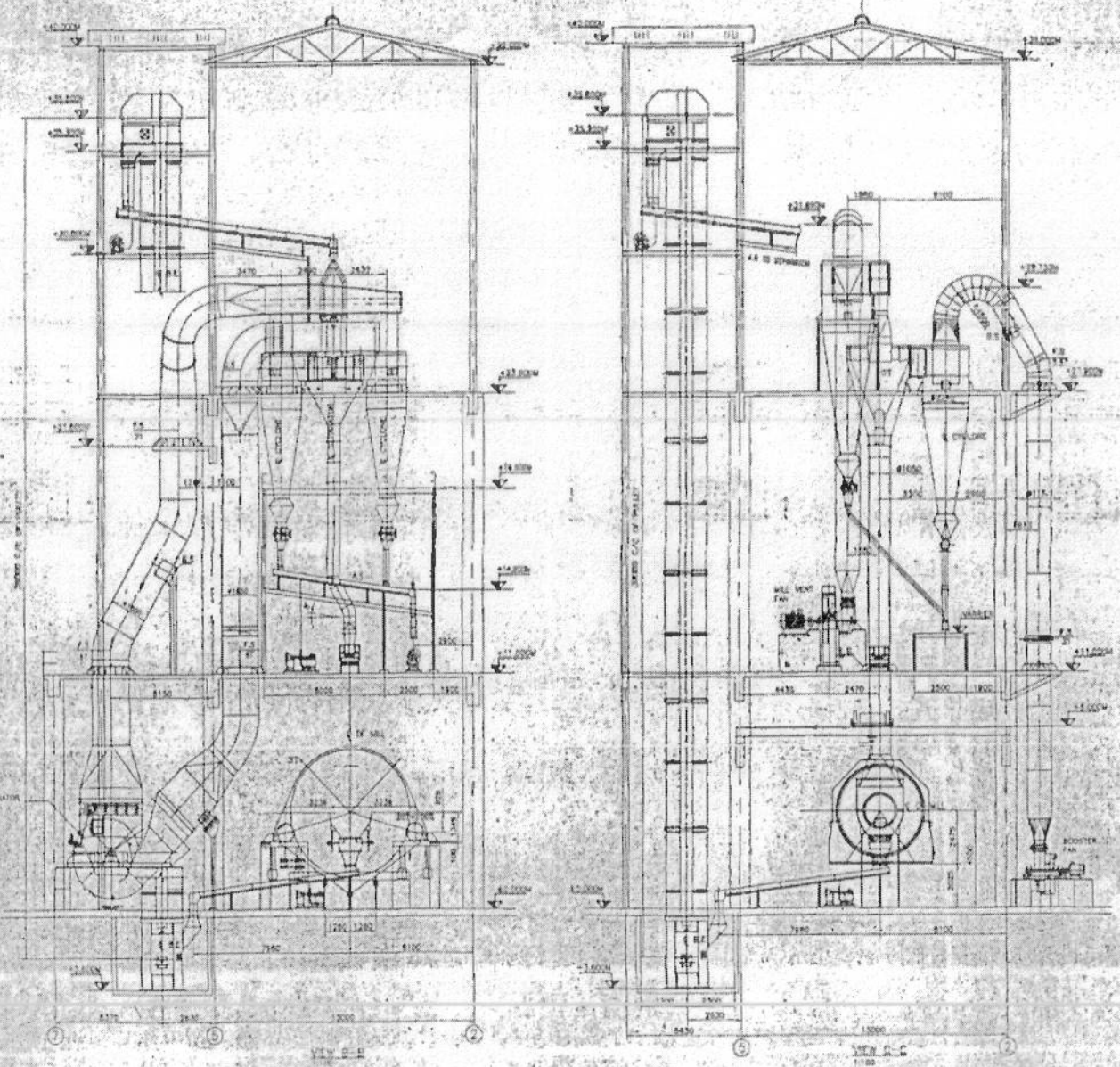
RAW MILL BUILDING

G.A. OF RAW MILL BUILDING SECTIONS (VIEW A-A)

MECHANICAL

211002

SUBMITTED



NOTES:
1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS ARE IN METERS UNLESS.
2. THE COLUMN AND BEAM SIZES SHOWN IN THE DRAWING IS INDICATIVE ONLY.
3. THE FINAL SIZES OF CORE COLUMN AND BEAM SIZES AS WELL AS STRUCTURAL COLUMN & BEAM SIZES SHOULD BE DECIDED BY THE TENDERER.
4. ALL LEVELS SHOWN ARE FINAL FINISHED LEVELS.

H. DOSHI
REGISTERED ARCHITECT
P. O. Box 34443 - 00623
NAIROBI - KENYA

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DESIGN TRIBE (INDIA) PVT. LTD.
Consulting Engineers & Architects
FLAT NO.303 SHANTA SRISAILAM ARCADE, ASHOK PADO WORLD CENTRE KARMA ROAD, AMEERPET-500016-INDIA

FOR APPROVAL

3000TPD CLINKERISATION PLANT AND GRINDING UNIT AT EMALI, KENYA.

RAW MILL BUILDING.

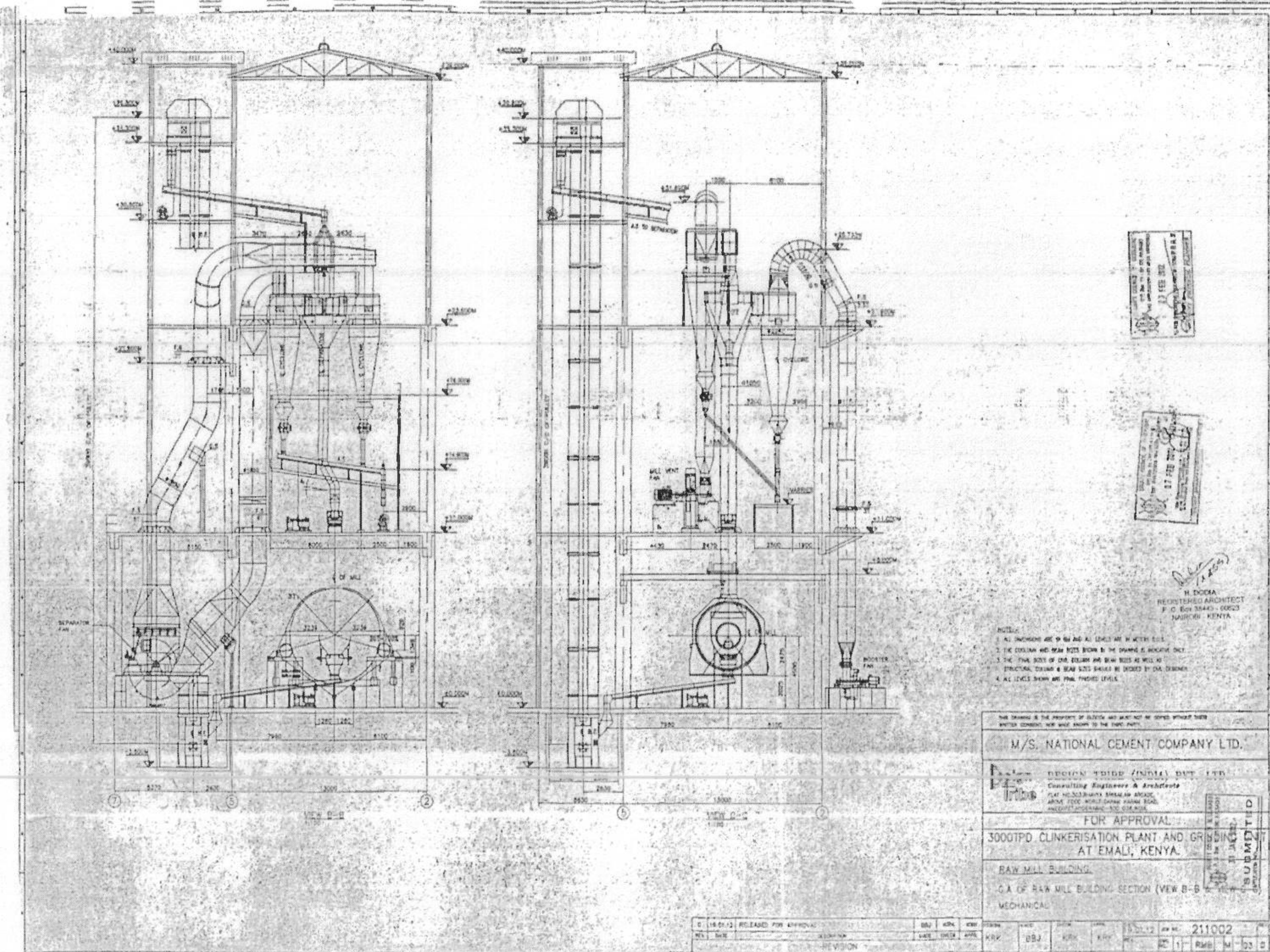
G.A OF Raw MILL BUILDING SECTION (VIEW B-B & C-C)

MECHANICAL

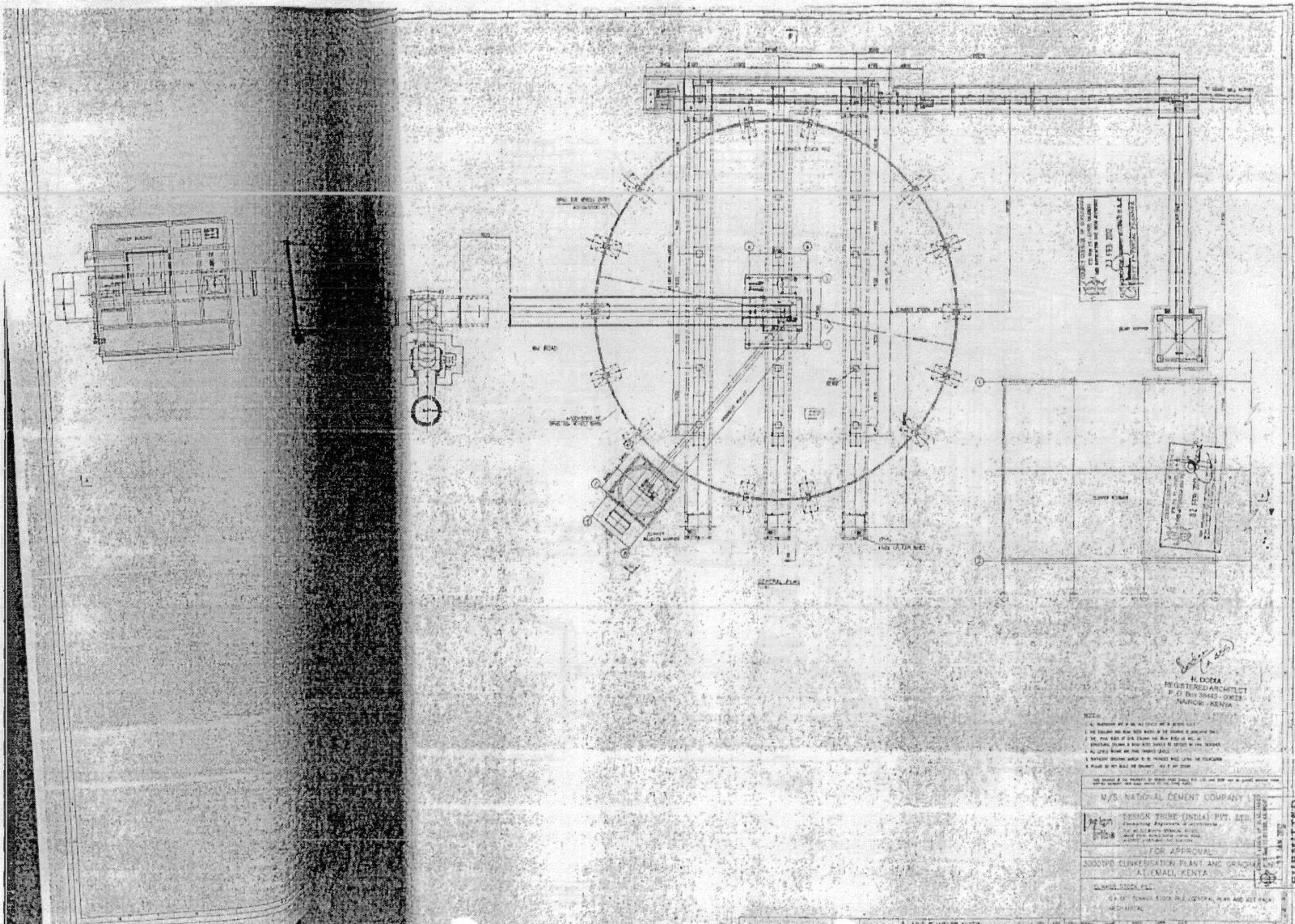
SUBMITTED

REVISION						
0	18.01.12	RELEASED FOR APPROVAL	BBJ	KRK	KRK	
NO.	DATE	DESCRIPTION	MADE	CHKD	APPD	

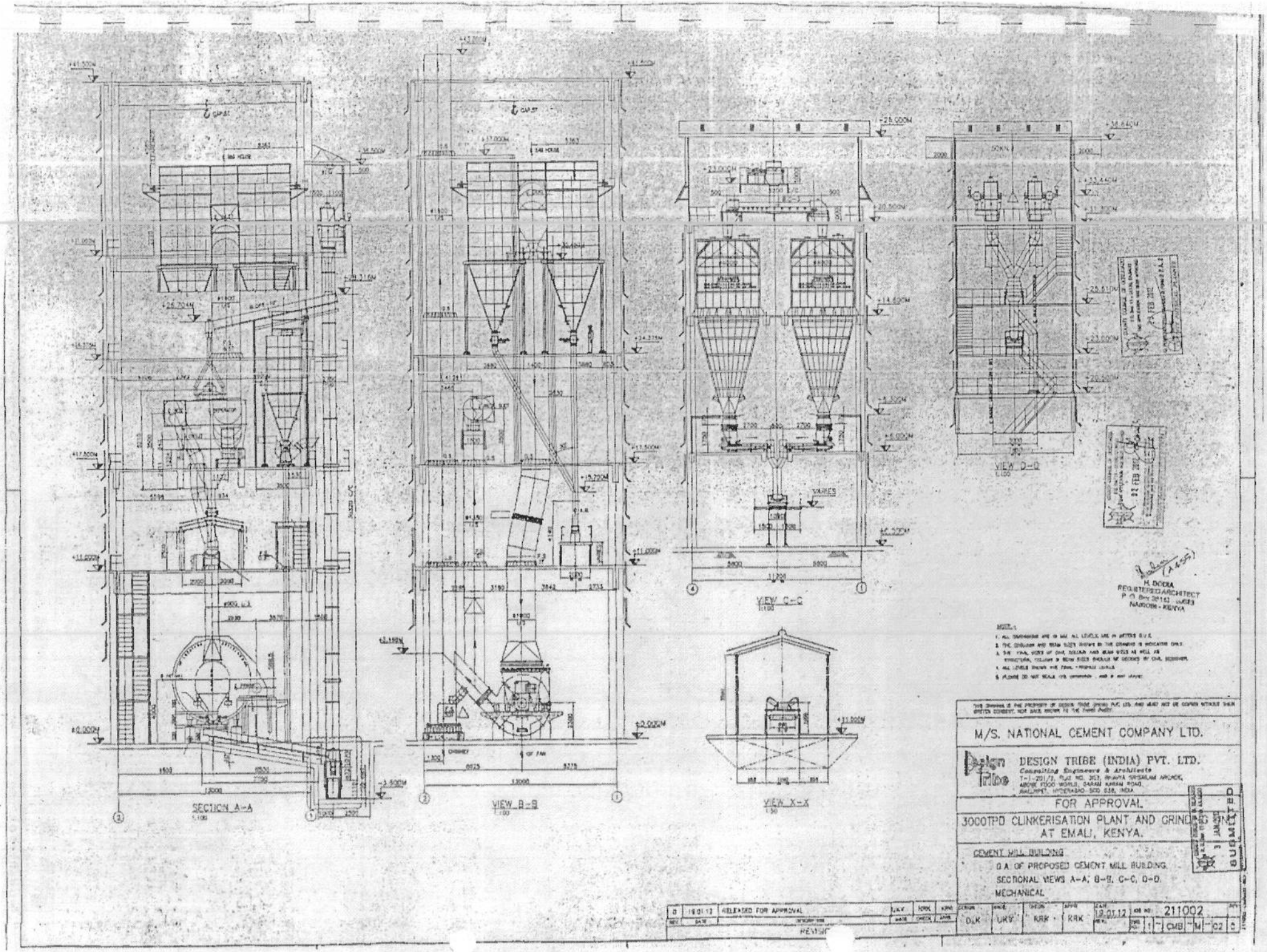
DRAWN	DATE	CHKD	APPD	DATE	JOB NO.	211002		
BBJ		KRK	KRK	18.01.12		11	RMB	M	03	0

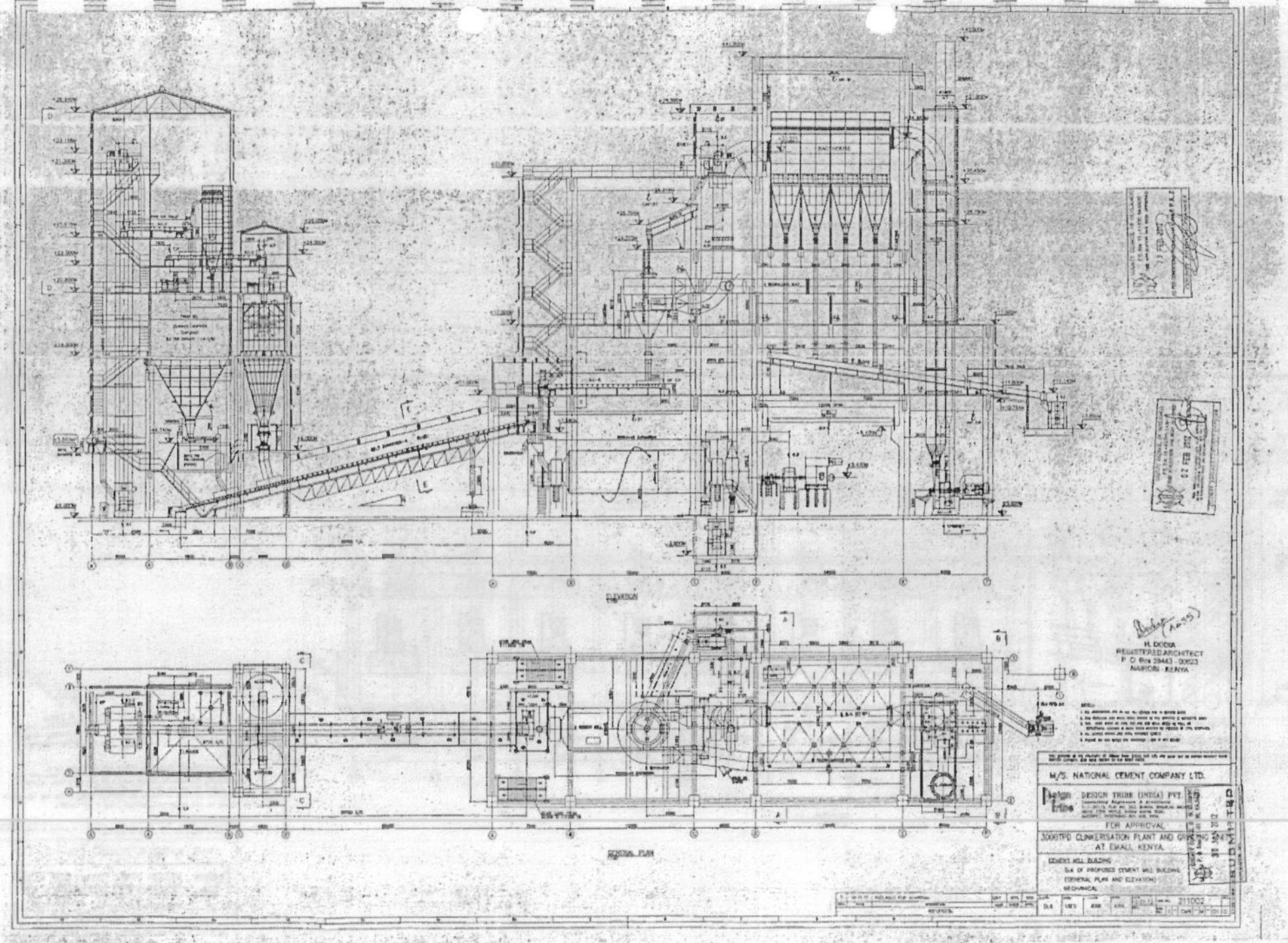


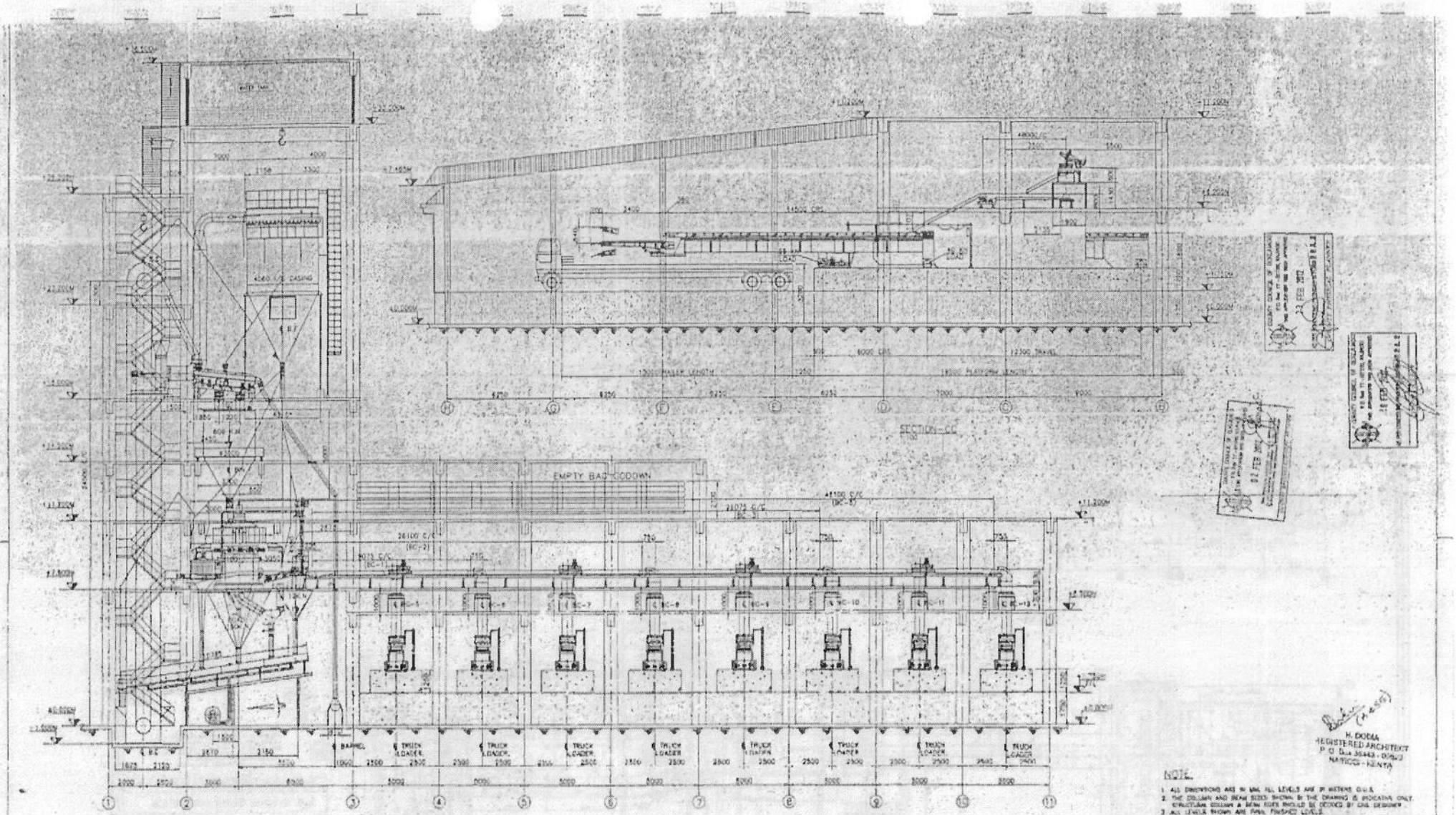
VIEW B-B
VIEW C-C
SEPARATOR FAN
MILL VENT FAN
BOOSTER FAN
AS TO SEPARATOR
H. DODIA
REGISTERED ARCHITECT
P.O. Box 38443 - 00623
NAIROBI KENYA
NOTES:
1. ALL DIMENSIONS ARE IN MM AND ALL LEVELS ARE IN METERS.
2. THE COLUMN AND BEAM SIZES SHOWN IN THE DRAWING IS INDICATIVE ONLY.
3. THE FINAL SIZES OF CIVIL COLUMN AND BEAM SIZES AS WELL AS STRUCTURAL COLUMN & BEAM SIZES SHOULD BE DECIDED BY CIVIL DESIGNER.
4. ALL LEVELS SHOWN ARE FINAL FINISHED LEVELS.
M/S. NATIONAL CEMENT COMPANY LTD.
DESIGN TRIBE (INDIA) PVT. LTD.
Consulting Engineers & Architects
FOR APPROVAL
3000TPD CLINKERISATION PLANT AND GRINDING AT EMALI, KENYA.
RAW MILL BUILDING
G.A. OF RAW MILL BUILDING SECTION (VIEW B-B & VIEW C-C)
MECHANICAL
RELEASED FOR APPROVAL
REVISION
SUBMITTED
211002



H. DODIA
REGISTERED ARCHITECT
P.O Box 38443 - 00623
NAIROBI - KENYA
M/S NATIONAL CEMENT COMPANY LTD
DESIGN TRIBE (INDIA) PVT. LTD.
FOR APPROVAL
3000TPD CLINKERISATION PLANT AND GRINDING UNIT
AT EMALI, KENYA
CLINKER STOCK PILE
MECHANICAL
21002
SUBMITTED


SECTION A-A
VIEW B-B
VIEW C-C
VIEW D-D
VIEW X-X
M/S. NATIONAL CEMENT COMPANY LTD.
DESIGN TRIBE (INDIA) PVT. LTD.
Consulting Engineers & Architects
FOR APPROVAL
3000TPD CLINKERISATION PLANT AND GRIND
AT EMALI, KENYA.
CEMENT MILL BUILDING
G.A. OF PROPOSED CEMENT MILL BUILDING.
SECTIONAL VIEWS A-A, B-B, C-C, D-D.
MECHANICAL
RELEASED FOR APPROVAL
211002
H. DODIA
REGISTERED ARCHITECT
NAIROBI - KENYA


ELEVATION
GENERAL PLAN
H. DODIA
REGISTERED ARCHITECT
P.O. Box 39443 - 00623
NAIROBI - KENYA
M/S. NATIONAL CEMENT COMPANY LTD.
DESIGN TRIBE (INDIA) PVT.
FOR APPROVAL
3000TPD CLINKERISATION PLANT AND GRINDING
AT EMALI, KENYA.
CEMENT MILL BUILDING
PLAN OF PROPOSED CEMENT MILL BUILDING
(GENERAL PLAN AND ELEVATION)
MECHANICAL
211002
SUBMITTED



NOTE.

1. ALL DIMENSIONS ARE IN MM. ALL LEVELS ARE IN METRES O.G.L.
2. THE COLUMN AND BEAM SIZES SHOWN IN THE DRAWING IS INDICATIVE ONLY. STRUCTURAL COLUMN & BEAM SIZES SHOULD BE DECIDED BY CIVIL DESIGNER
3. ALL LEVELS SHOWN ARE FINAL FINISHED LEVELS
4. SUFFICIENT GROUNDING MANCOH TO BE PROVIDED WHILE LAYING THE FOUNDATION.
5. PLEASE DO NOT SCALE THE DRAWINGS , ASK IF ANY DOUBT.

M/S. NATIONAL CEMENT COMPANY LTD.

DESIGN TRIBE (INDIA) PVT. LTD.

FOR APPROVAL

3000TPD CLINKERISATION PLANT AND GRINDING UNIT AT EMALI - KENYA

PACKING PLANT

G.A. OF PACKING PLANT (PROPOSAL VIEWS A-A, C-C)

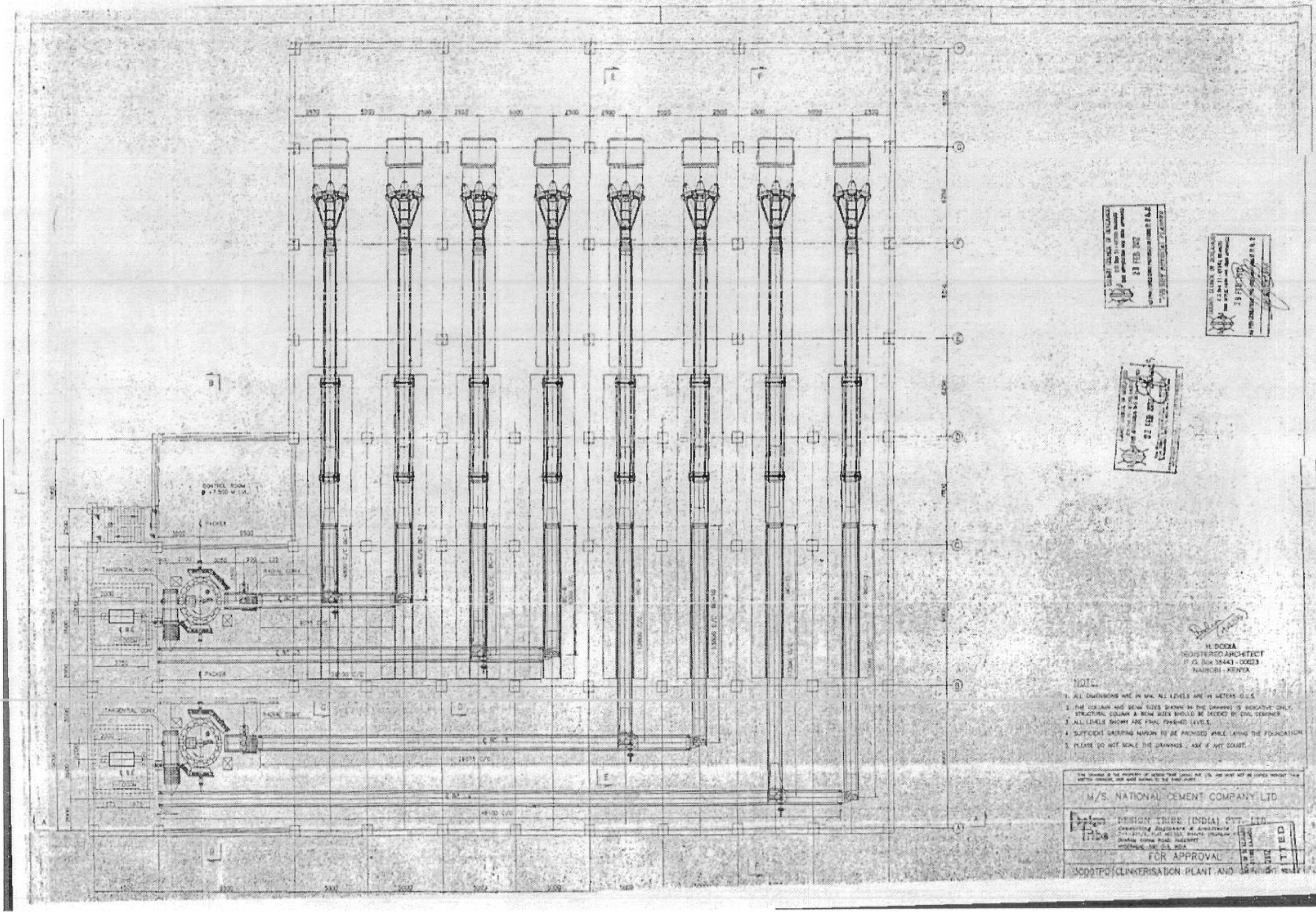
MECHANICAL

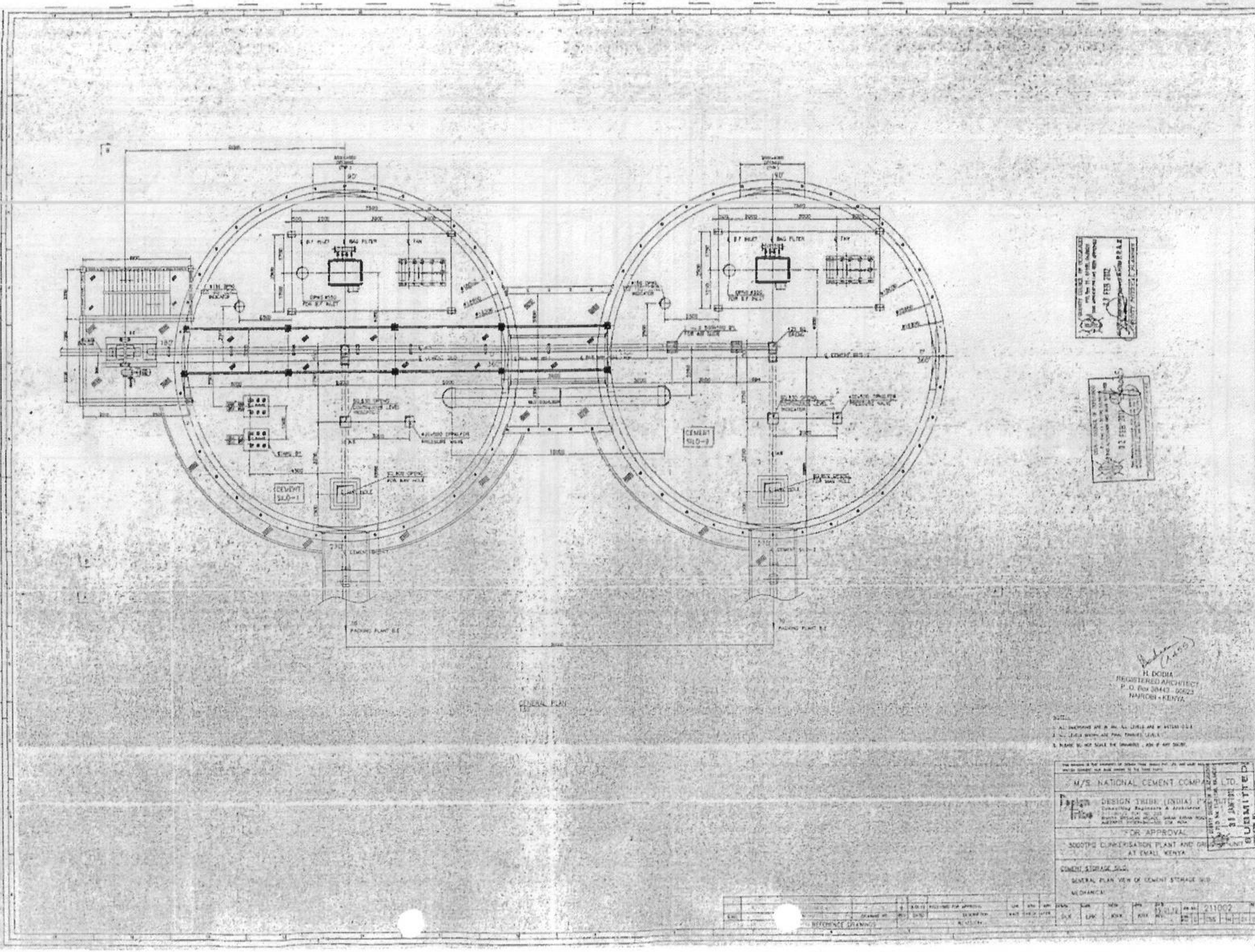
SUBMITTED

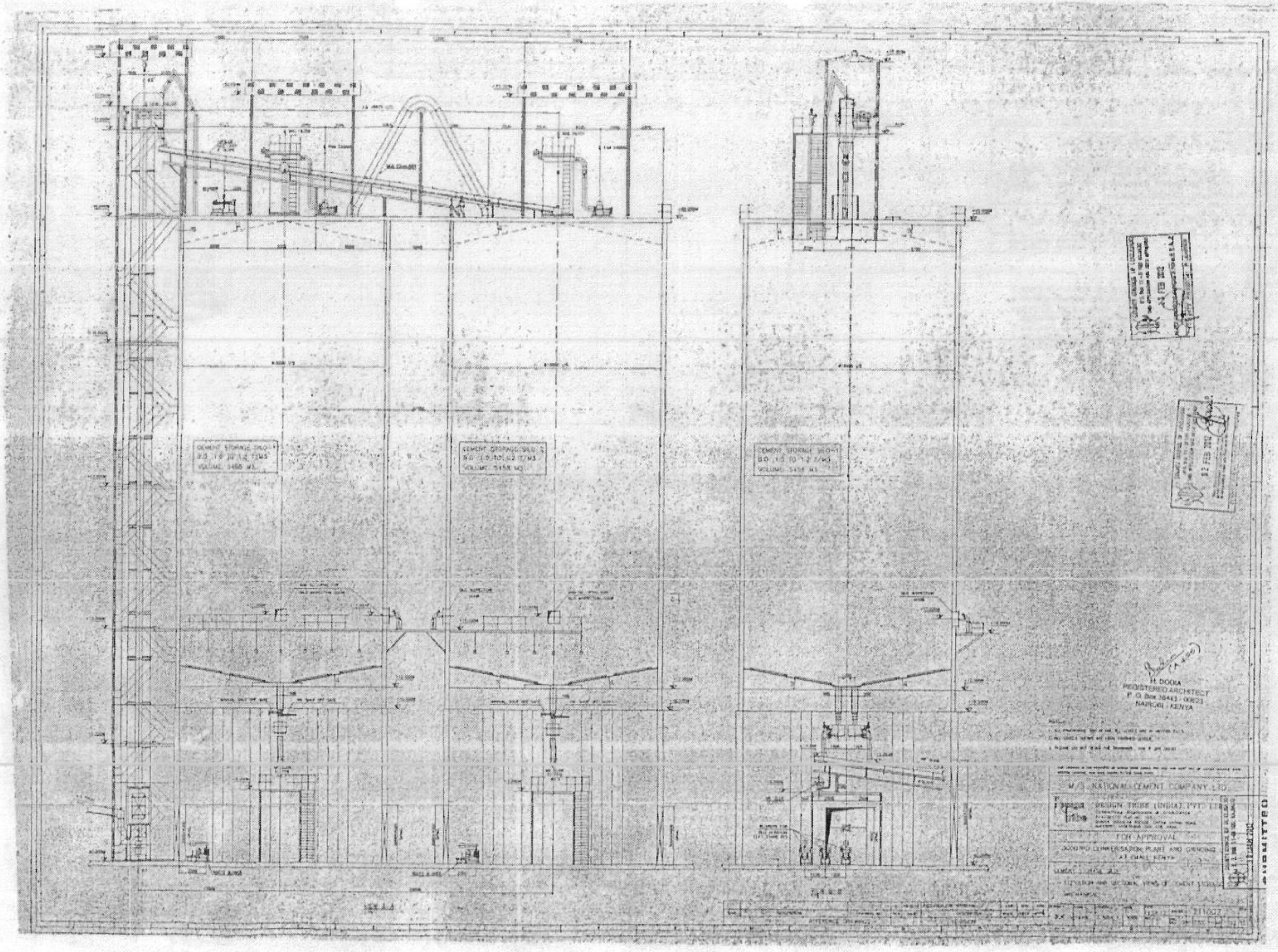
211002

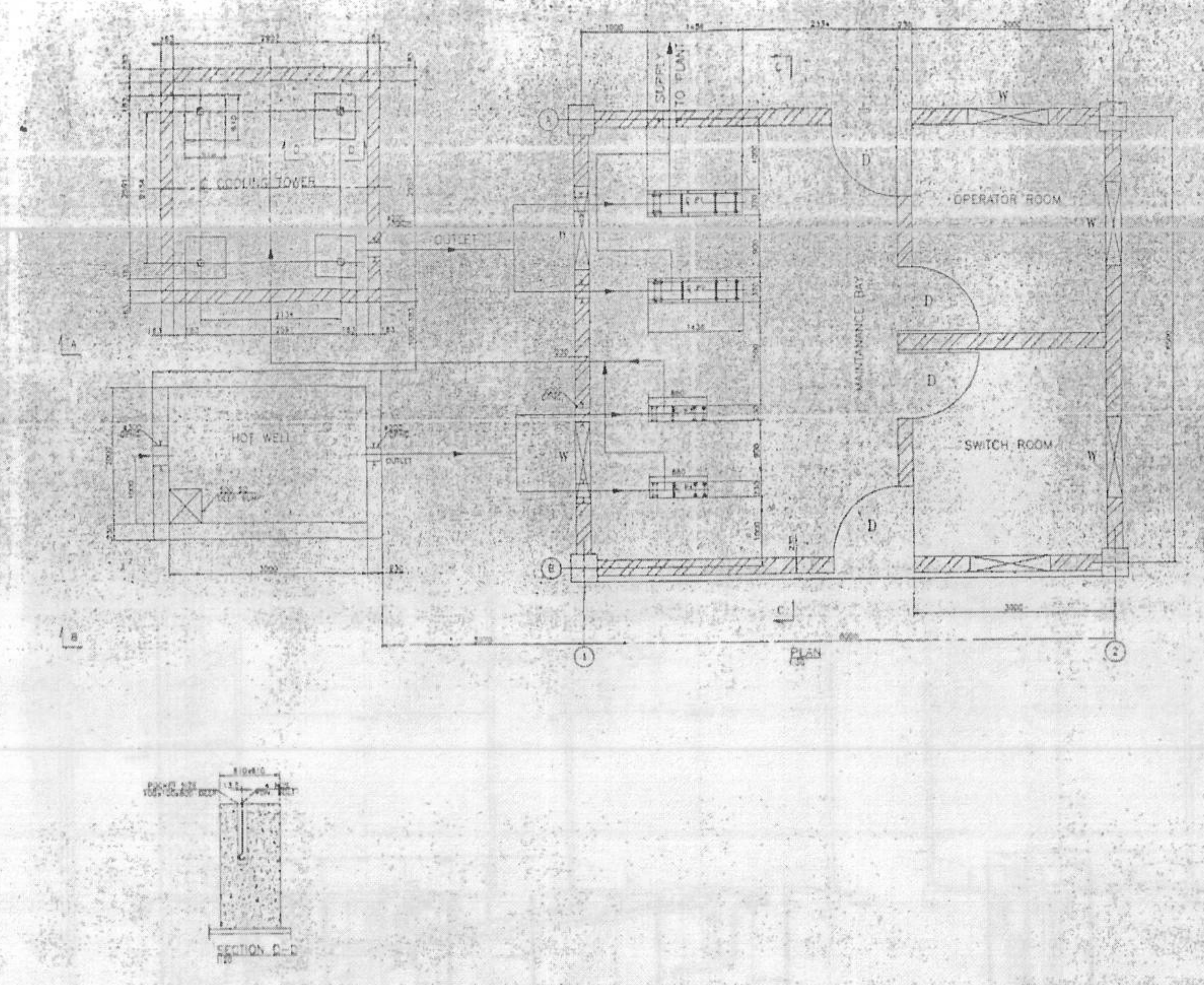
REFERENCE DRAWINGS

REVISION


CONTROL ROOM
TANGENTIAL CONV.
RADIAL CONV.
PACKER
H. DODIA
REGISTERED ARCHITECT
P.O. Box 38443 - 00623
NAIROBI - KENYA
NOTE:
1. ALL DIMENSIONS ARE IN MM. ALL LEVELS ARE IN METERS U.O.S.
2. THE COLUMN AND BEAM SIZES SHOWN IN THE DRAWING IS INDICATIVE ONLY. STRUCTURAL COLUMN & BEAM SIZES SHOULD BE DECIDED BY CIVIL DESIGNER.
3. ALL LEVELS SHOWN ARE FINAL FINISHED LEVELS.
4. SUFFICIENT GROUTING MARGIN TO BE PROVIDED WHILE LAYING THE FOUNDATION.
5. PLEASE DO NOT SCALE THE DRAWINGS, ASK IF ANY DOUBT.
M/S. NATIONAL CEMENT COMPANY LTD
DESIGN TRIBE (INDIA) PVT. LTD
Consulting Engineers & Architects
FOR APPROVAL
3000TPD CLINKERISATION PLANT AND


CEMENT SILO-1
CEMENT SILO-2
GENERAL PLAN
H. DODIA
REGISTERED ARCHITECT
P.O. Box 38443 - 00623
NAIROBI - KENYA
M/S. NATIONAL CEMENT COMPANY LTD.
DESIGN TRIBE (INDIA) PVT. LTD.
FOR APPROVAL
3000TPD CLINKERISATION PLANT AND GRINDING UNIT
AT EMALI, KENYA
CEMENT STORAGE SILO
GENERAL PLAN VIEW OF CEMENT STORAGE SILO
MECHANICAL
211002
SUBMITTED
REFERENCE DRAWINGS
12 FEB 2012


CEMENT STORAGE SILO
VOLUME: 5458 M3.
CEMENT STORAGE SILO 2
H. DODIA
REGISTERED ARCHITECT
P.O. Box 38443 - 00623
NAIROBI - KENYA
M/S NATIONAL CEMENT COMPANY LTD
DESIGN TRIBE (INDIA) PVT. LTD.
FOR APPROVAL
AT EMALI KENYA
SUBMITTED
12 FEB 2002



H. DOKRA
REGISTERED ARCHITECT
P.O. BOX 55443 - 00100
NAIROBI - KENYA

NOTE:

1. ALL DIMENSIONS ARE IN MM. ALL LEVELS ARE IN METERS
2. THE COLUMN AND BEAM SIZES SHOWN IN THE DRAWING IS INDICATIVE ONLY
3. THE FINAL SIZES OF CIVIL COLUMN AND BEAM SIZES AS WELL AS STRUCTURAL COLUMN & BEAM SIZES SHOULD BE DECIDED BY CIVIL DESIGNER
4. SUFFICIENT GROUTING MARGIN TO BE PROVIDED WHILE LAYING THE FOUNDATION
5. SUITABLE PLATFORMS, LADDERS, RAILINGS ARE TO BE PROVIDED
6. PLEASE DO NOT SCALE THE DRAWINGS, ASK IF ANY DOUBT

M/S. NATIONAL CEMENT COMPANY LTD

DESIGN TRIBE (INDIA) PVT. LTD.
Consulting Engineers & Architects

FOR APPROVAL

3000TPD CLINKERISATION PLANT AND GRINDING UNIT AT EMALI, KENYA

COOLING TOWER
G.A. OF COOLING TOWER & PUMP HOUSE (PLAN)
MECHANICAL

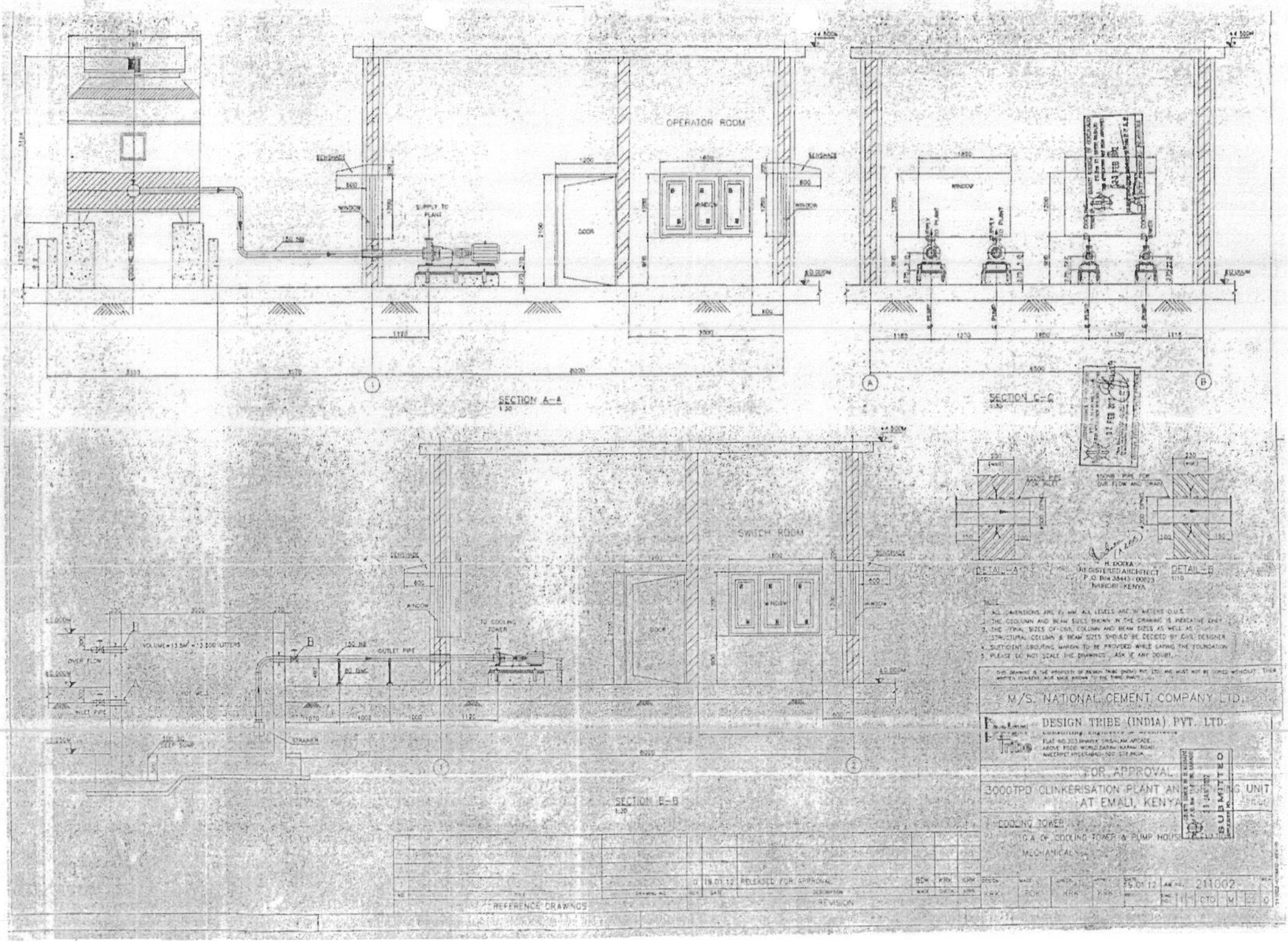
SUBMITTED 17 JAN 2012

REV.	DATE	DESCRIPTION	DRN	CHKD	APPD
0	19.01.12	RELEASED FOR APPROVAL	BDK	KRK	VRK

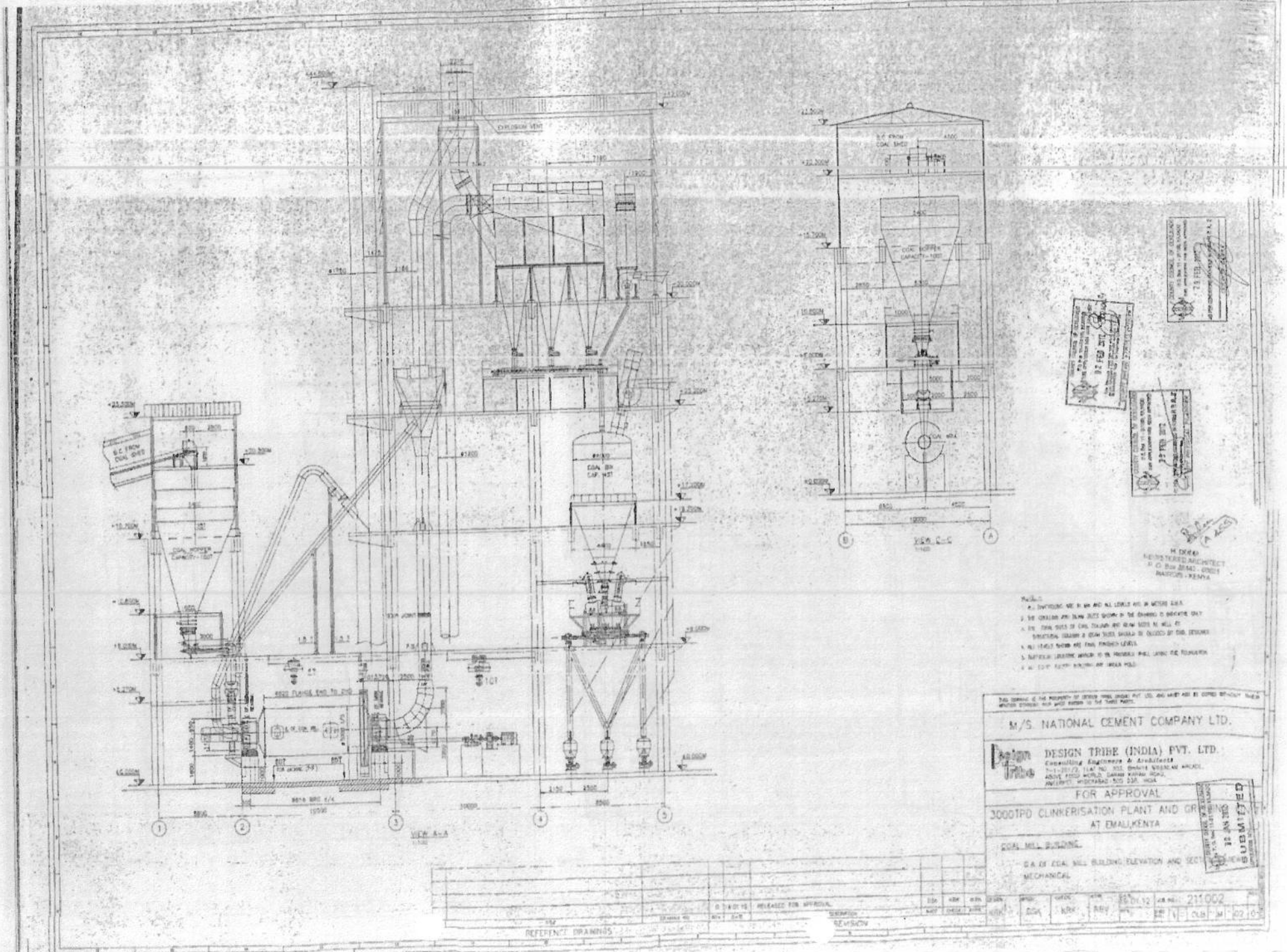
REFERENCE DRAWINGS

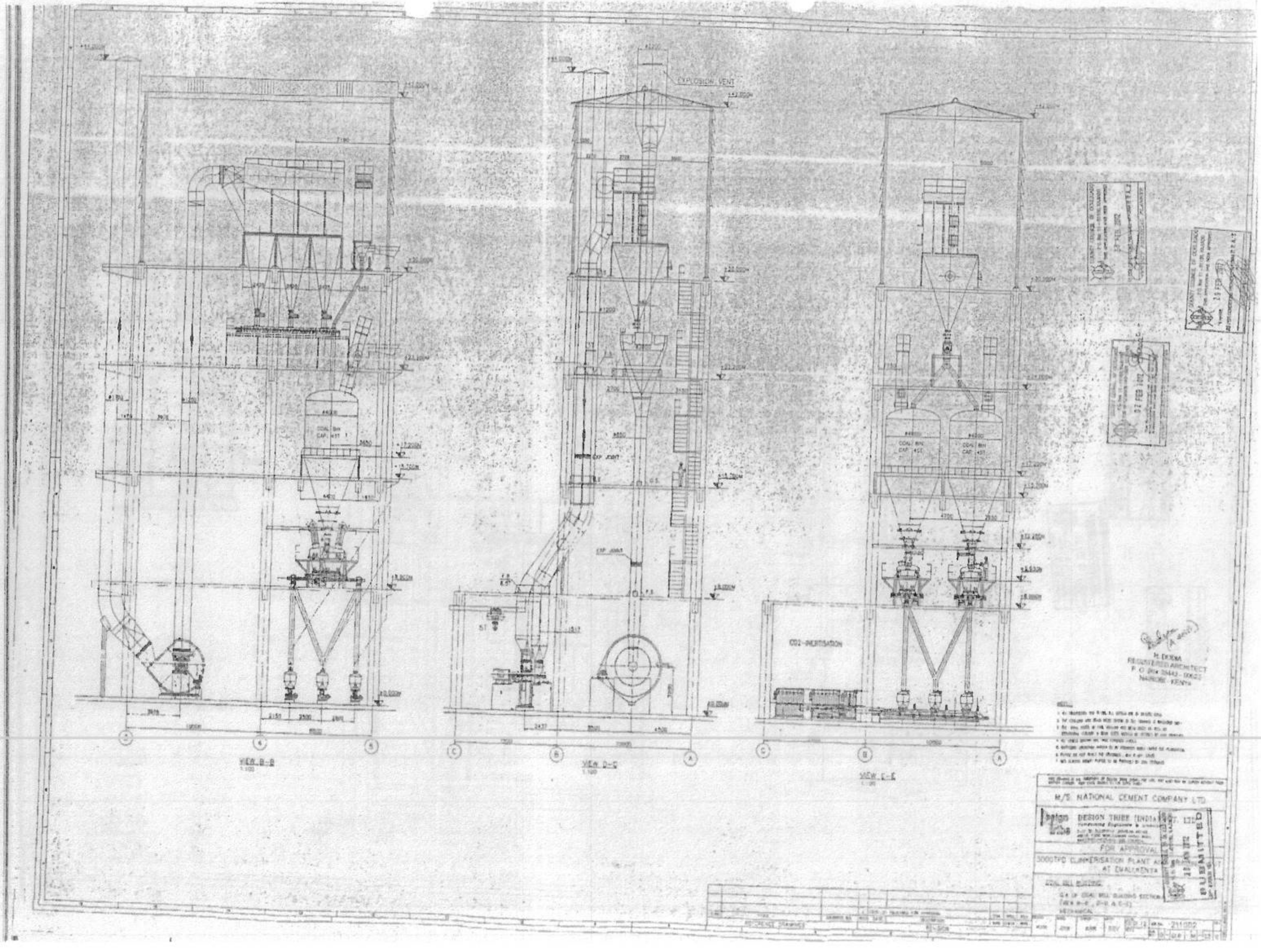
REVISION

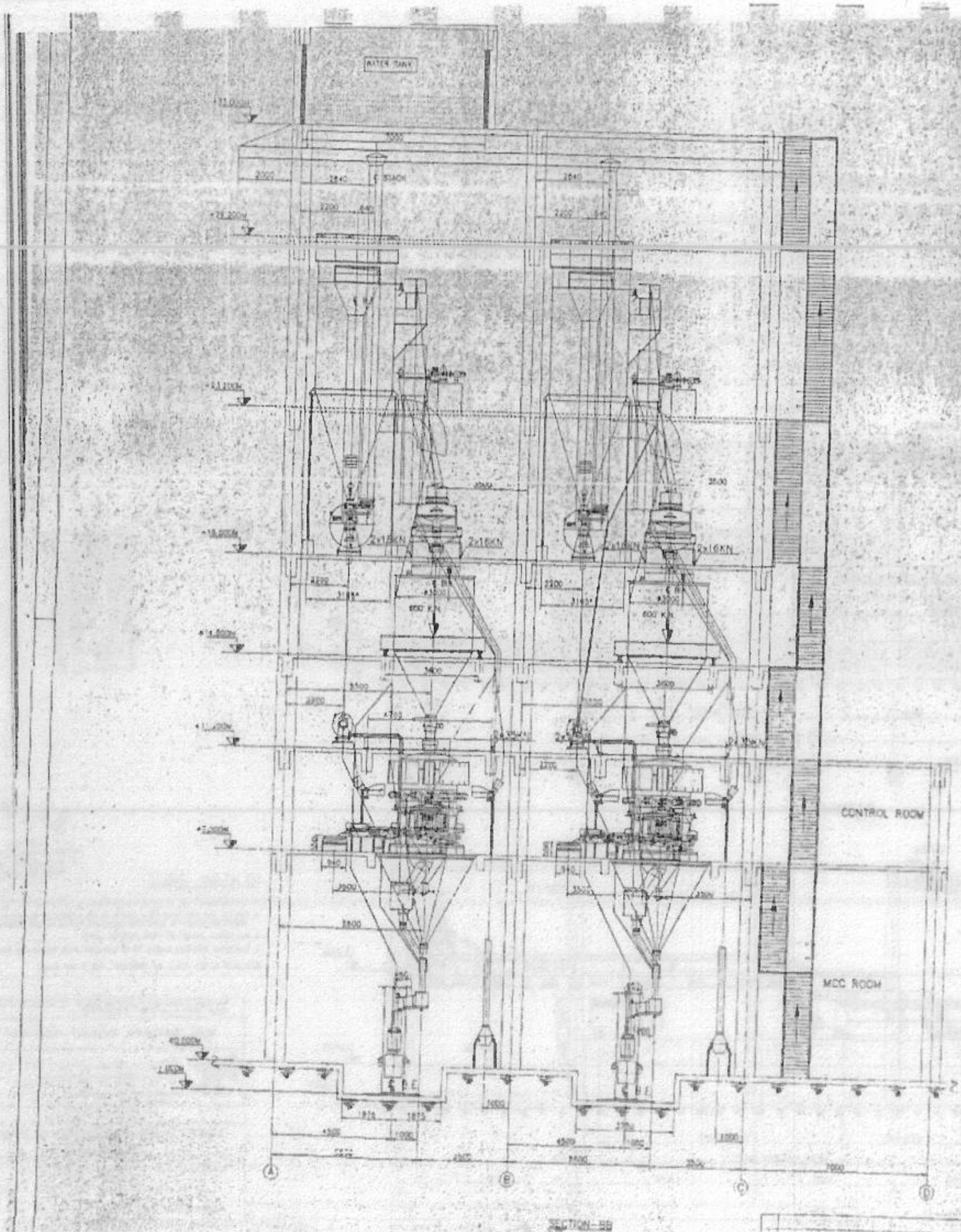
DESIGN	DRAWN	CHECKED	APPROVED	DATE	JOB NO.
KRK	BDK	PRK	KRK	19.01.12	211002


OPERATOR ROOM
SUPPLY TO PLANT
DOOR
WINDOW
SECTION A-A
SECTION C-C
SWITCH ROOM
TO COOLING TOWER
OUTLET PIPE
STRAINER
SECTION E-B
DETAIL-A
DETAIL-B
H. DOERA
REGISTERED ARCHITECT
P.O. Box 35443-00623
NAIROBI-KENYA
M/S. NATIONAL CEMENT COMPANY LTD.
DESIGN TRIBE (INDIA) PVT. LTD.
FOR APPROVAL
3000TPD CLINKERISATION PLANT AND GRINDING UNIT
AT EMALI, KENYA
COOLING TOWER
G.A. OF COOLING TOWER & PUMP HOUSE
MECHANICAL
SUBMITTED
0 18.01.12 RELEASED FOR APPROVAL
REFERENCE DRAWINGS
REVISION
211002

Continued to 64


EXPLOSION VENT
VIEW A-A
VIEW C-C
M/S. NATIONAL CEMENT COMPANY LTD.
DESIGN TRIBE (INDIA) PVT. LTD.
FOR APPROVAL
3000TPD CLINKERISATION PLANT AND GRINDING
AT EMALI, KENYA
COAL MILL BUILDING
G.A. OF COAL MILL BUILDING ELEVATION AND SECTIONS
MECHANICAL
RELEASED FOR APPROVAL
REFERENCE DRAWINGS
REVISION
211002


EXPLOSION VENT
COAL BIN CAP. 45T
CO2-INERTISATION
EXP. JOINT
VIEW B-B
1:100
VIEW D-D
1:100
VIEW E-E
1:100
NOTES:
M. DIXINA
REGISTERED ARCHITECT
NAIROBI - KENYA
M/S NATIONAL CEMENT COMPANY LTD
DESIGN TRIBE (INDIA) PVT. LTD
FOR APPROVAL
3000TPD CLINKERISATION PLANT AT EMALI,KENYA
SUBMITTED
02 FEB 2012
211002



H DOKA
REGISTERED ARCHITECT
P. O. Box 28443 - 00823
NAIROBI - KENYA

NOTE

1. ALL DIMENSIONS ARE IN MM. ALL LEVELS ARE IN METERS G.U.S.
2. THE COLUMN AND BEAM SIZES SHOWN IN THE DRAWING IS INDICATIVE ONLY. STRUCTURAL COLUMN & BEAM SIZES SHOULD BE DECIDED BY CIVIL ENGINEER.
3. ALL LEVELS SHOWN ARE FINAL FINISHED LEVELS.
4. SUFFICIENT GROUTING MARGIN TO BE PROVIDED WHILE LAYING THE FOUNDATION.
5. PLEASE DO NOT SCALE THE DRAWINGS, ASK IF ANY DOUBT.

M/S. NATIONAL CEMENT COMPANY LTD.

DESIGN TRIBE (INDIA) PVT. LTD.

FOR APPROVAL

3000TPD CLINKERISATION PLANT AND GRINDING UNIT AT EMALI, KENYA

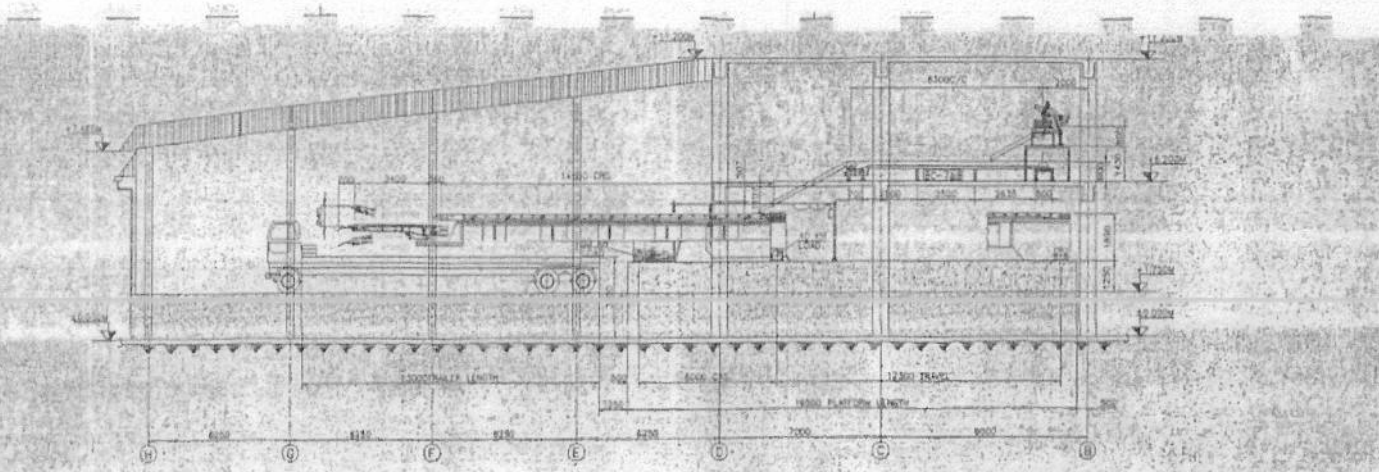
PACKING PLANT

G.A OF PACKING PLANT (SECTION B-B)

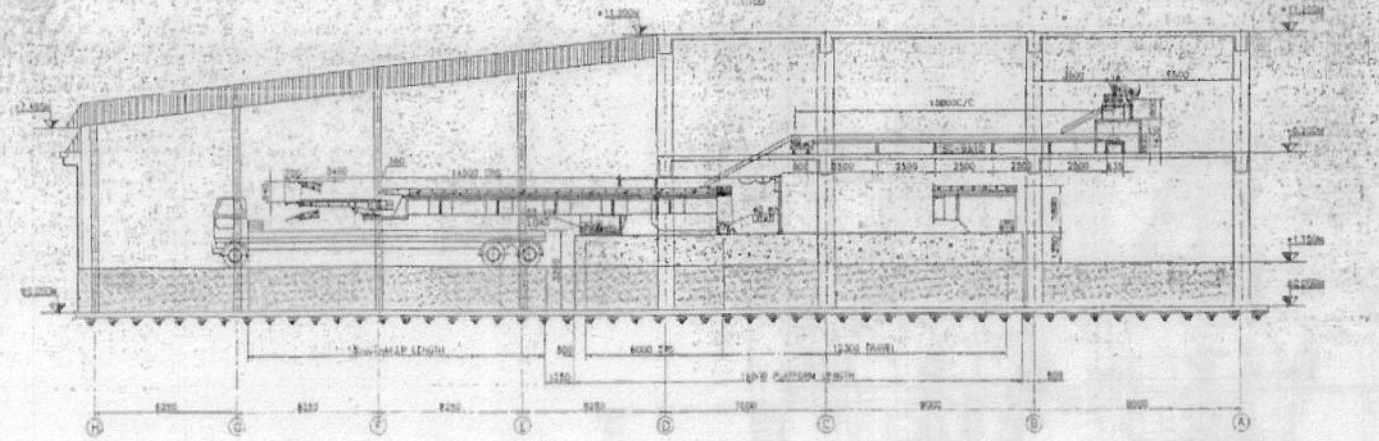
MECHANICAL

DLK | UMC | DLR | 211002

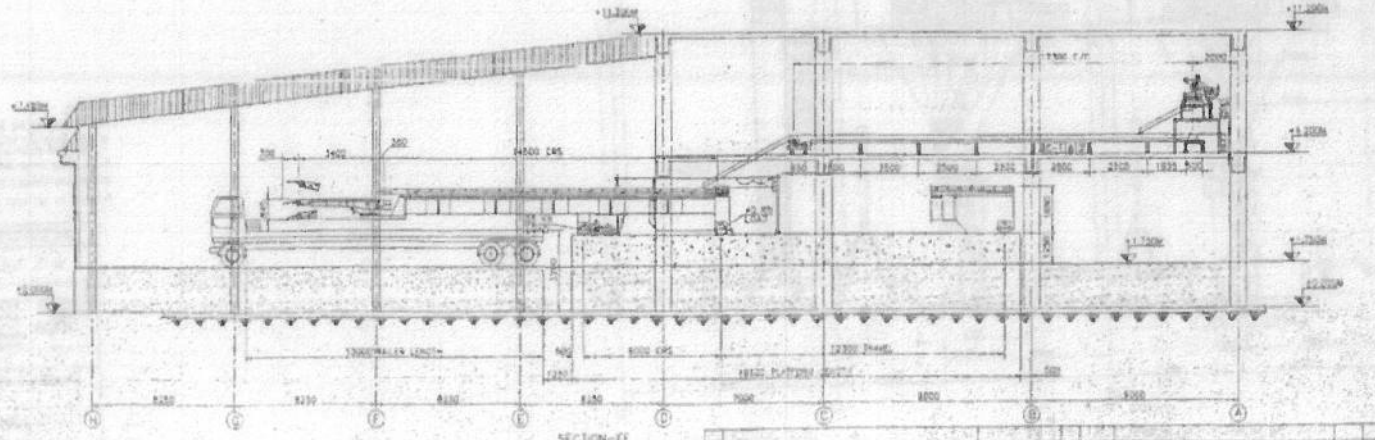
SUBMITTED



SECTION-DD



SECTION-EE



SECTION-FF

H. DOSSA
REGISTERED ARCHITECT
P.O. Box 30445 - 00100
NAIROBI - KENYA

GENERAL NOTE:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES UNLESS
2. THE COLUMN AND BEAM SIZES SHOWN ON THE DRAWING IS INDICATIVE ONLY. STRUCTURAL COLUMN & BEAM SIZES SHOULD BE FIXED BY THE DESIGNER
3. ALL LEVELS SHOWN ARE FINAL FINISHED LEVELS
4. SUFFICIENT GROUTING MARGIN TO BE PROVIDED WHILE LAYING THE FOUNDATION
5. PLEASE DO NOT SCALE THE DRAWINGS ... ASK IF ANY DOUBT.

M/S NATIONAL CEMENT COMPANY LTD.

DESIGN TRIBE (INDIA) PVT. LTD.

FOR APPROVAL

3000TPD CLINKER ... AND GRINDING UNIT
... KENYA

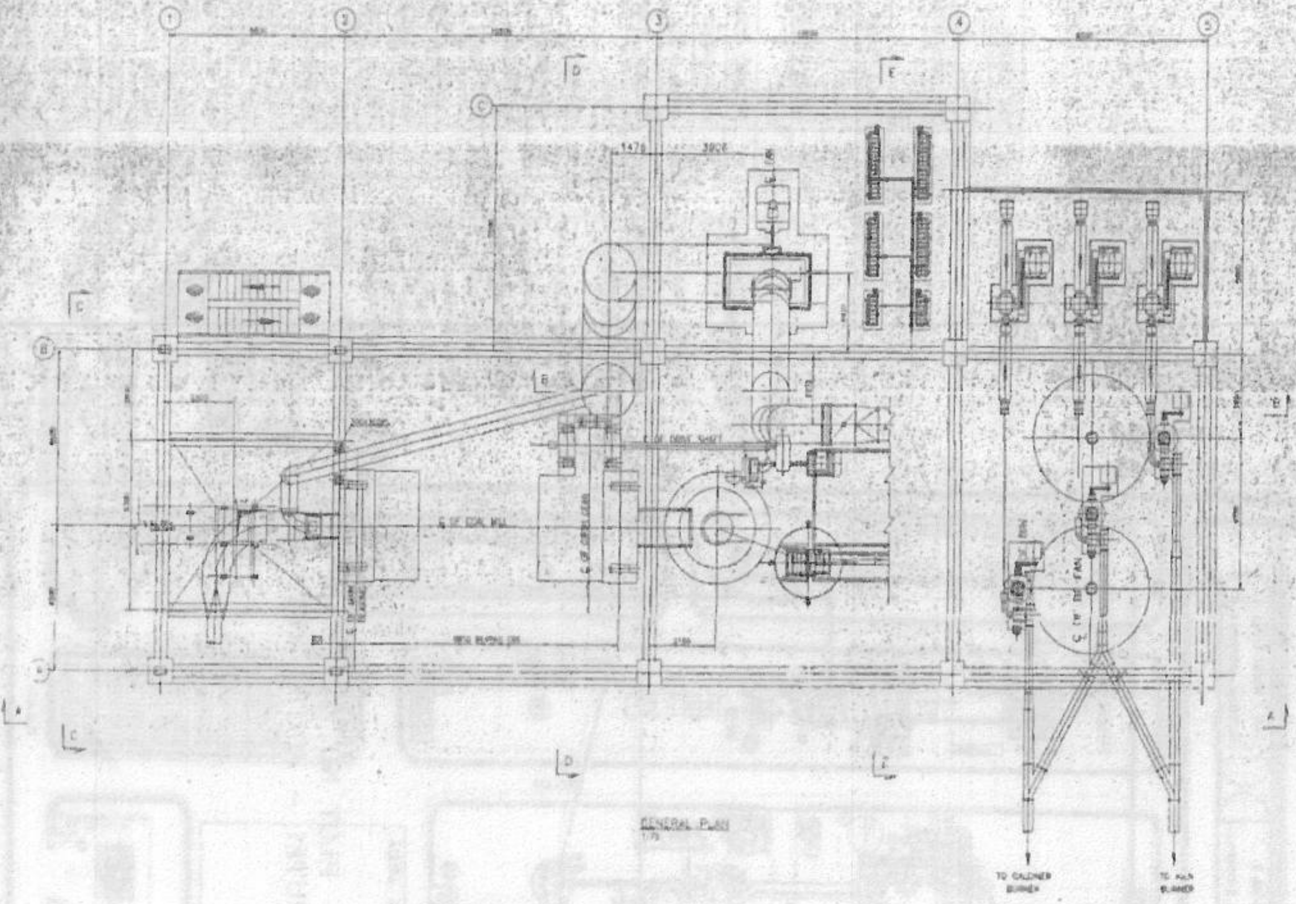
PACKING PLANT

G.A. OF PACKING UNIT (SECTION D-D, E-E, F-F)

MECHANICAL

REFERENCE DRAWINGS

REVISION



H. DODIA
REGISTERED ARCHITECT
NAIROBI - KENYA

M/S. NATIONAL CEMENT COMPANY LTD.

DESIGN TRIBE (INDIA) PVT. LTD.
Consulting Engineers & Architects

FOR APPROVAL

3000TPD CLINKERISATION PLANT AND GRINDING UNIT AT EMALI,KENYA

COAL MILL BUILDING

G.A OF COAL MILL BUILDING GENERAL PLAN MECHANICAL

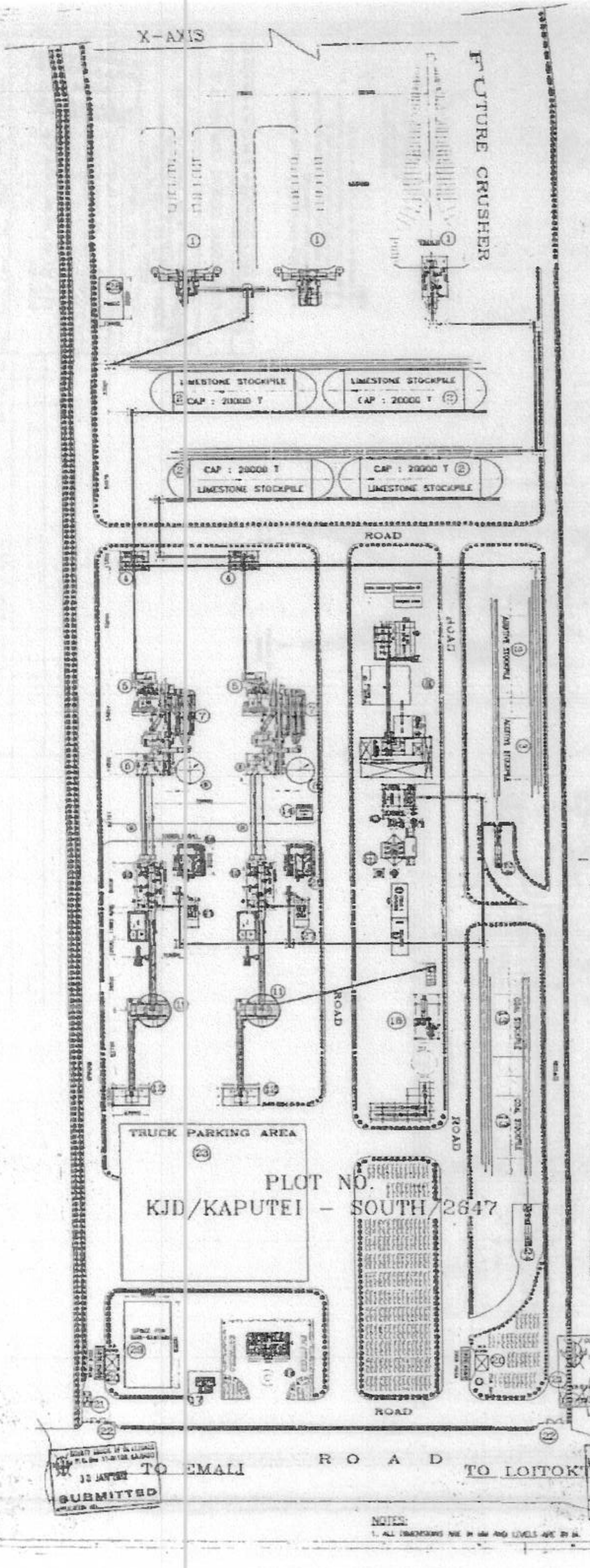
SUBMITTED

DESIGN	DRAWN	CHECKED	APPROVED	DATE	JOB NO.	REV
KRN	DGK	KRN	RBV	9.01.12	211002	0

REFERENCE DRAWINGS

REVISION

REV	DATE	DESCRIPTION
0	09.01.12	RELEASED FOR APPROVAL



Certified
Observe change of user conditions granted to the project
Observe measures to ensure environmental health safety & for harmonious coexistence with other developments/activities in the neighbourhood

8/2/12
Consultants to supervise the construction
Subject to the ... conditions

S.NO.	DESCRIPTION	
29	SUB-STATION	650
28	PMCC	200
27	COAL MILL BUILDING	250
26	CCR	100
25	POWER PLANT	5000
24	TRUCK TIPPLER	100
23	TRUCK PARKING AREA	
22	GATE	
21	SECURITY ROOM	
20	WEIGH BRIDGE	
19	ADMIN BLOCK	
18	GRINDING PLANT	2500
17	CLINIC	100
16	STORES	100
15	WORKSHOP	150
14	WATER TANK	
13	COAL STOCK PILE	
12	CLINKER HOPPERS & DISPATCH ARE	
11	CLINKER STOCKPILE	
10	COOLER BUILDING	500
9	KILN	[illegible]
8	BLENDING SILO	300
7	KILN BAG HOUSE	300
6	PRE HEATER BUILDING	[illegible]
5	RAW MILL BUILDING	600
4	RAW MILL HOPPERS BUILDING	[illegible]
3	ADDITIVE STORAGE SHED	
2	LIMESTONE STOCKPILE	
1	CRUSHER FOR LIMESTONE	

REGISTERED ARCHITECT

NATIONAL CEMENT COMPANY LTD
EMALI, KENYA

TITLE	LAYOUT FOR ... CLINKERIZATION PLANT AND GRINDING UNIT			
DESIGN	NCCL	11-11-11	SCALE-	SHEET-1 OF 1
DRAWN	GNS	11-11-11	DRG. NO	
CHKD	KOSRKR	11-11-11	NCCL-03-111011-LAYOUT	
APPD	SVRVS	11-11-11		

NOTES:
1. ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN m.

DR GIDEON H. NYAMASYO
P.O. BOX 30197 - 00100, GPO
NAIROBI, KENYA
Tel: 0722 – 874591
E – mail: gnyamasyo@gmail.com

THE DIRECTOR GENERAL
NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY
P. O. BOX 67839-00200
POPO ROAD, NAIROBI

25th August, 2011.

REF: NEMA/EIA/5/2/762

ATT: OUMA, O. Z.

Dear Sir,

RE: ENVIRONMENT IMPACT ASSESSMENT STUDY REPORT FOR THE PROPOSED CLINKER MANUFACTURING PLANT AND THE RELATED LIMESTONE QUARIES IN MERRUESHI LOCATION, KAJIADO CENTRAL DISTRICT, KAJIADO COUNTY ON LR NOs: KAJIADO KAPUTEI SOUTH/2637, 2639, 2641 AND 2647.

We refer to your letter dated 22nd August, 2011 and are very grateful for the speedy review that you have accorded the above mentioned study report. As stated in the report, the proponent has acquired the titles stated above with a total acreage of 400 acres (each title covers about 100 acres). The proponent will also lease about 1,600 acres from the Mbirikani Group Ranch from which he will mine limestone.

The proponent has signed a 99 year lease with the Mbirikani Group ranch (see copy attached) for the lease of a section of **LR LTK/MBIRIKANI/325**. The lease covers the 1,600 acres which has Limestone and which the proponent is interested in. We now seek your authority that the proponent be allowed to include as part of the areas to be directly impacted on by the project, **LR LTK/MBIRIKANI/325** in advertisements to be placed on the Kenya gazette and Newspapers with National circulation as per your letter of 22nd August, 2011.

We once again thank you for all the assistance you have been according us.

Yours Faithfully

NEMA REGISTERD EIA EXPERT

DR. GIDEON NYAMASYO.

NATIONAL CEMENT REPRESENTATIVE

MR. JAMES KARIUKI

RECEIVED
25 AUG 2011

8. OTHER ATTACHMENTS

On our letter dated 25th August, 2011 that was in response to NEMA letter of 22nd August, 2011, we informed NEMA that a formal lease agreement now existed between National Cement Company Limited and the Mbirikani Group Ranch. The proponent has leased 1,600 acres from the Group Ranch. The lease period is 99 years and the term runs from 1st July, 2011. We attach a copy of the letter (bearing NEMA received stamp dated 25th August, 2011) and a copy of the Certificate of Lease. We once again express the proponents desire that the land title No. **LR LTK/MBIRIKANI/325** be included in all future correspondence and licenses from NEMA. The lease and its purpose is well documented in both the project report and the study report submitted to NEMA.

REPUBLIC OF KENYA

THE REGISTERED LAND ACT

(Chapter 300)

Certificate of Lease

TITLE No. LTK/MBIRIKANI/325 APPROXIMATE AREA 1,600 ACRES

LESSOR MBIRIKANI GROUP RANCH

RENT 6,400,000/=

TERM 99 YEARS FROM 1.7.2011

This is to certify that NATIONAL CEMENT COMPANY LIMITED P.O. BOX 33319-00200 NAIROBI

-

-

is (are) now registered as the proprietor(s) of the leasehold interest above referred to, subject to the agreements and other matters contained in the registered lease, to the entries in the register relating to the lease and to such of the overriding interests set out in section 30 of the Registered Land Act as may for the time being subsist and affect the land comprised in the lease.

GIVEN under my hand and the seal of the

KAJIADO District Registry

this 11TH day of JULY , 2011

E. N. Ndambeya 244

Land Registrar

(To be completed only when the applicant has paid the fee)

As at the date stated on the front hereof, the following entries appeared in the register relating to the land:

EDITION: 1 OPENED: 2.9.10	PART A—PROPERTY SECTION	
REGISTRATION SECTION LTK/MBIRIKANI	PARTICULARS OF LEASE	NATURE OF TITLE
	LESSOR: MBIRIKANI GROUP RANCH	LEASEHOLD
PARCEL NUMBER 325	LESSEE: NATIONAL CEMENT COMPANY LIMITED	
APPROXIMATE AREA 1,600 acres HECTARES	RENT: 6,400,000 TERM: 99 FROM: 1.7.11	
REGISTRY MAP SHEET No.	FOR APPURTENANCES *SEE* THE REGISTERED LEASE. N.B WHERE THE LEASE IS OF A PART OF A PARCEL, THE PARCEL NUMBER REFERS TO THE NUMBER SHOWN ON THE FILED PLAN	

PART B—PROPRIETORSHIP SECTION

ENTRY NO.	DATE	NAME OF REGISTERED PROPRIETOR	ADDRESS AND DESCRIPTION OF REGISTERED PROPRIETOR	CONSIDERATIONS AND REMARKS	SIGNATURE OF REGISTRAR
RESTRICTION: NO DISPOSITION BY THE PROPRIETOR SHALL BE REGISTERED WITHOUT THE WRITTEN CONSENT OF THE LESSOR (S. 48)					
2	6.7.11	NATIONAL CEMENT COMPANY LTD			
3	11.7.11	CERTIFICATE OF LEASE		ISSUED	

PART C—ENCUMBRANCES SECTION

ENTRY NO.	DATE	NATURE OF ENCUMBRANCE	FURTHER PARTICULARS	SIGNATURE OF REGISTRAR

Land Registrar

REPUBLIC OF KENYA

THE REGISTERED LAND ACT
(Chapter 300)

Certificate of Lease

GPK (L)

SIMBA CEMENT

NATIONAL CEMENT COMPANY LTD

Building The Nation

P.O. BOX 33319 - 00600 NAIROBI. TEL: 020 - 2511902/3/4/5/6 MOBILE: 0731 222 977, 0712 789 154, 0736 811855/66
WIRELESS: 020-2325134/ 5 FAX: 020 - 2028169 EMAIL: sales@nccke.com Webs te: www.nccke.com

4th May 2012

Our Ref: NCCL/080/12/NEMA

Your Ref: NEMA/EIA/5/2/762

The Director General,

National Environmental Management Authority,

P.O.BOX 67839-00200,

NAIROBI

Dear Sir,

RE: CONDITIONS FOR APPROVAL OF ENVIRONMENTAL IMPACT ASSESSMENT (E.I.A)STUDY REPORT FOR THE PROPOSED CLINKER MANUFACTURING PLANT AND RELATED LIMESTONE QUARRIES ON PLOT L.R.NO.KAJIADO/KAPUTEI SOUTH/2637,2639,2641,2647 & LTK/MBIRIKANI/325 MERRUESHI KAJIADO

We refer to your conditional approval letter dated 3rd May 2012 which we have read and understood.

We are happy to inform you that we are in acceptance of all the stated conditions and undertake to abide by them in consultation with our E.I.A Consultants.

We attach a bankers cheque of Ksh.64,250 which is the remaining 50% NEMA fees.

We look forward to receiving the license from you.

Yours faithfully,

For: National Cement Co. Ltd

James Kariuki

Group Human Resources Manager

RECEIVED
04 MAY 2012
ENVIRONMENTAL IMPACT ASSESSMENT

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

Tel: (254-020) 6005522/3/6/7, 6001945, 6008767, 6008687
Mbl: 0724-253398, 0723-363010, 0735-013046, 0735-010237
Telkom Wireless: 020-2101370
Fax: 254-020-6001997
Hotline:020-8077213, 020-6006041

P.O. Box 67839, 00200
Popo Road, Nairobi, Kenya
E-mail: dgnema@nema.go.ke
website: www.nema.go.ke

NEMA/EIA/5/2/762

3rd May, 2012

National Cement Limited
P.O. Box 33319-00600
NAIROBI

RE: CONDITIONS FOR APPROVAL OF ENVIRONMENTAL IMPACT ASSESSMENT (EIA) STUDY REPORT FOR THE PROPOSED CLINKER MANUFACTURING PLANT AND RELATED LIMESTONE QUARRIES ON PLOT L.R. NO. KAJIADO/KAPUTIEI SOUTH/2637, 2639, 2641, 2647 AND LTK/MBIRIKANI/325/MARRUESHI, KAJIADO

The National Environment Management Authority (NEMA) has reviewed the Environmental Impact Assessment (EIA) Study of the above mentioned proposed project and in light of the provisions of Environmental Management and Coordination Act of 1999, the Authority has approved the proposed project with the following mandatory conditions:

1.0 General Conditions

1.1 This project is for the Clinker manufacturing plant and limestone quarries on plot L.R. No. Kajiado/Kaputiei/South/2637, 2639, 2641, 2647 and LTK/Mbirikani/325 Marrueshi, Kajiado.

1.2 The license shall be valid for 24 months from the date of issue.

1.3 Without prejudice to the other conditions of this license, the proponent shall implement and maintain an environmental management system, organizational structure and allocate resources that are sufficient to achieve compliance with the requirements and conditions of this license.

1.4 The Authority shall take appropriate action against the proponent in the event of breach of any of the conditions stated herein or any contravention to the Environmental Management and Coordination Act, 1999 and regulations therein.

1.5 This license shall not be taken as statutory defence against charges of environmental degradation or pollution in respect of any manner of degradation/pollution not specified herein.

1.6 The proponent shall ensure that records on conditions of licenses/approval and project monitoring and evaluation shall be kept on the project site for inspection by NEMA's Environmental Inspectors.

1.7 The proponent shall submit an Environmental Audit report in the first year of occupation/operations/commissioning to confirm the efficacy and adequacy of the Environmental Management Plan.

1.8 The proponent shall comply with NEMA's improvement orders throughout the project cycle.

1.9 The proponent shall provide the final project accounts (final project costs) on completion of construction phase. This should be done prior to project commissioning/operation/occupation.

2.0 <u>Quarrying and Construction Conditions</u>

2.1 The proponent shall ensure that no quarrying is done within 50m of any house irrespective of any prior consent from the owner

2.2 The proponent shall ensure that progressive quarry rehabilitation is done as soon as quarries activities have been completed on any quarry.

2.3 The proponent shall put up a project signboard as per the Ministry of Public Works standards showing the NEMA EIA license number among other details.

2.4 The proponent shall ensure strict adherence to the land use zones as indicated in the wildlife integration plan.

2.5 The proponent shall install warning signs of appropriate size and language at all quarry entries

2.5 The proponent shall ensure strict adherence to the Mining Act and other relevant legislation in relation to quarrying

2.6 The proponent shall ensure that all excavated material and debris is collected, re-used and where need be, disposed off as per the Environmental Management and Coordination (Waste Management) Regulations of 2006.

2.7 The proponent shall plant native species of trees to increase the biodiversity and land cover of the area which shall also reduce soil erosion.

2.8 The proponent shall work closely with KWS to ensure compliance with the wildlife Management (integration) plan attached to the report

2.9 The proponent shall ensure that no blasting is done on site without requisite approval from mines and geology department and a notification done to NEMA and the neighbours.

2.10 The proponent shall ensure strict adherence to the provisions of Environmental Management and Coordination (Noise and Excessive Vibrations Pollution Control) Regulations of 2009.

2.11 The proponent shall ensure strict adherence to the Occupational Safety and Health Act (OSHA), 2007.

2.12 The proponent shall ensure that workers at the quarries and clinker plant are provided with adequate personal protection equipment (PPE), sanitary facilities as well as adequate training.

2.13 The proponent shall ensure that quarrying activities are undertaken during the day (and not at night) between 08.00 hrs and 17.00 hrs; and that transportation of construction material to site are undertaken during weekdays (and not weekends) off peak hours.

2.14 The proponent shall ensure strict adherence to the Environmental Management Plan developed throughout the project cycle.

2.15 The proponent shall ensure that the development adheres to zoning specifications issued for development of such a project within the jurisdiction of County Council of Kajiado with emphasis on approved land use for the area.

3.0 <u>Operational Conditions</u>

3.1 The proponent shall conform to acceptable air pollution emission standards from the clinker manufacturing plant.

3.2 The proponent shall ensure safety of the quarry by engaging a trained personnel to be incharge of health and safety within the quarry

3.3 The proponent shall ensure quarry faces/cliffs are securely fenced

3.4 The proponent shall ensure there are no undercutting or tunnelling in the quarry

3.5 The proponent shall ensure that all waste water is disposed as per the standards set out in the Environmental Management and Coordination (Water Quality) Regulations of 2006.

3.6 The proponent shall ensure that appropriate and functional efficient air pollution control mechanisms are installed in the facility to control all air emissions.

3.7 The proponent shall ensure that all equipment used are well maintained in accordance with the Environmental Management and Coordination (Noise and Excessive Vibration Pollution Control) Regulations of 2009.

3.8 The proponent shall ensure that all solid waste is handled in accordance with the Environmental Management and Coordination (Waste Management) Regulations of 2006.

3.9 The proponent shall ensure that all workers are well protected and trained as per the Occupational Safety and Health Act (OSHA) of 2007.

3.10 The proponent shall comply with the relevant principal laws, by-laws and guidelines issued for development of such a project within the jurisdiction of County Council of Kajiado, Ministry of Energy, Mines and Geology Department, Kenya Wildlife Service, Ministry of Lands, Water Resources Management Authority and relevant Local Authorities.

3.11 The proponent shall ensure that environmental protection facilities or measures to prevent pollution and ecological deterioration such as securing of the quarry sites, rehabilitation and

restoration of quarry sites, traffic management plan, emergency response plans, energy and water saving fixtures waste minimization options, dust control mechanisms are designed, constructed and employed simultaneously with the proposed project.

4.0 Notification Conditions

4.1 The proponent shall seek written approval from the Authority for any operational changes under this license.

4.2 The proponent shall ensure that the Authority is notified of any malfunction of any system within 12 hours on the NEMA hotline No. **020 6006041** and mitigation measures put in place.

4.3 The proponent shall keep records of all pollution incidences and notify the Authority within 24 hours.

4.4 The proponent shall notify the Authority in writing of its intent to decommission the facility **three (3) months** in advance.

5.0 Decommissioning Conditions

5.1 The proponent shall ensure that a decommissioning plan is submitted to the Authority for approval at least three (3) months prior to decommissioning.

5.2 The proponent shall ensure that all pollutants and polluted material is contained and adequate mitigation measures provided during the phase.

The above conditions will ensure environmentally sustainable development and must be complied with.

Kindly confirm in writing within a period of 30 days from date of receipt of this letter that the conditions shall be complied with prior to commencement of the project and make payment of Kshs. 64,250 to enable the Authority process the Environmental Impact Assessment license.

ZEPHANIAH O. OUMA
For: DIRECTOR GENERAL

Copy to:

The Commissioner
Mines and Geology Department
P.O. Box 30009-00100
NAIROBI

The Regional Manager
Athi Water Catchment Area
Water Resources Management Authority
P.O.Box 1150-90100
MACHAKOS

The Director

Kenya Wildlife Service
P.O. Box 40241-00100
NAIROBI

District Physical Planning Officer
Ministry of Lands
P.O.Box 30418
NAIROBI

Director of Industry
Ministry of Industrialization
P.O.Box 30418
NAIROBI

District Environment Committee
C/o District Environment Officer
KAJIADO

The Clerk
Olkejuado County Council
P.O.Box 11
KAJIADO

May 4, 2012

National Environment Management Authority

P.O. Box 67839 - 00200,
Nairobi, Kenya
Tel. 020 600 55 22/3/6/7, Fax: 020 600 19 45
www.nema.go.ke Email: dgnema.go.ke

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY KENYA

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY
PAID CHEQUE
04 MAY 2012
CHQ No. ACCOUNT

Receipt No: 27466 Date: 05/04/12 Time:

Account Code: 1100/011

Name: National Cement Limited-Final Pay

Amount in words ***** SIXTY FOUR THOUSAND TWO HUNDRED FIFTY AND 0/100

Cash Amount 64,250.00 Cheque Cheque No. Cheque 227374

Being Payment of EIA Project report income

Your account has been credited with the value of this receipt.

With Thanks Lucy Thuku

Signature for NEMA - Kenya

Amount to

Total Amount

Change

Application Reference No. EIA/762

Registration No: 0011168

For official use

nema

mazingira yetu|uhai wetu|wajibu wetu

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY (NEMA)

THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT
ENVIRONMENTAL IMPACT ASSESSMENT LICENSE

This is to certify that the Project Report/Environmental Impact Assessment Study Report received from NATIONAL CEMENT LIMITED (Name of individual/firm) of P. O. BOX 33319-00600, NAIROBI (Address submitted to the National Management Environment Authority (NEMA) in accordance with the Environmental Impact Assessment and Audit Regulations regarding PROPOSED CLINKER MANUFACTURING PLANT AND RELATED LIMESTONE QUARRIES (title of project) whose objective is to carry on CONSTRUCTION OF A CLINKER MANUFACTURING PLANT AND ESTABLISHMENTS OF ITS RELATED LIMESTONE QUARRIES (briefly describe purpose) located at LR.NO.KAJIADO/KAPUTEI SOUTH/2637, 2639, 2641, 2647 AND LTK/MBIRIKANI 325 MARRUESHI KAJIADO COUNTY (locality and district) has been reviewed and a licence is hereby issued for implementation of the project, subject to attached conditions.

Dated this 24TH Day of MAY 2012

Signature

(SEAL)

Director General
The National Environment Management Authority

CONDITIONS OF LICENSE

1. This licence is valid for a period of 24 MONTHS (time within which the project should commence) from the date hereof.
2. The Director-General shall be notified of any transfer/variation/surrender of this licence.

P.T.O.

1.0 General Conditions

1.1 This project is for the Clinker manufacturing plant and limestone quarries on plot L.R. No. Kajiado/Kaputiei/South/2637, 2639, 2641, 2647 and LTK/Mbirikani/325 Marrueshi, Kajiado.

1.2 The license shall be valid for 24 months from the date of issue.

1.3 Without prejudice to the other conditions of this license, the proponent shall implement and maintain an environmental management system, organizational structure and allocate resources that are sufficient to achieve compliance with the requirements and conditions of this license.

1.4 The Authority shall take appropriate action against the proponent in the event of breach of any of the conditions stated herein or any contravention to the Environmental Management and Coordination Act, 1999 and regulations therein.

1.5 This license shall not be taken as statutory defence against charges of environmental degradation or pollution in respect of any manner of degradation/pollution not specified herein.

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