

Introduce of Company

工 事 都 給 指 名 願



HANMI G.B.G KOREA

HAN MI G.B.G KOREA CO.,LTD

341-12, Kwangchaang-Dong, Kwangjin-Ku
Seoul, Korea(Dae Kwang Building)

Tel:(02)446-7286~7

Fax:(02)446-7121

Greetings

『Hanmi G.B.G Korea』 has 35 years of experience on SLIPFORM with skills and technology. It professes itself to have introduced SLIPFORM method of construction from an advanced country in the early years and contributed on a domestic and overseas construction market.

All staff will always try to investigate and create a new method of construction and a world top company. Finally I deeply appreciate you customers for your considerable support and concern. I ask you to pay more attention and concern.

We wish you to have a great luck and a successful company.

Thank you

President

Lee, Jae Yong

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1. History of Company

COMPANY HISTORY

- | | | |
|-------|-----|--|
| 1980. | 10. | Established Hanmi Silo Co., Ltd. |
| 1990. | | Established Kunchang Housing Co., Ltd. |
| 1992. | | Changed the name of Kunchang housing |
| 1992. | | Gain Design Co., Ltd. |
| 2000. | 9. | Established Hanmi C.R.B. |
| 2002. | 1. | Structural reform of Hanmi Silo |
| 2002. | 2. | Changed the name of Hanmi Silo |
| 2002. | 2. | Hanmi G.B.G. Korea Co., Ltd. |

2. Business Items

Business Items

1. SLIPFORMS : SALE ,RENT AND CONSTRUCTION

- 1) Cement Plant Silo (Blending, Clinker, Cement, Coil)
with Engineering, Design and Mechanical, Electrical,
Erection.
- 2) Pier or Bridge
- 3) Storage Silo Form for grains or fertilizers
- 4) Off shore Caisson
- 5) Water Tower, Elevator Core
- 6) Building Core, Building Wall's Form
- 7) Stack, Vertical Form
- 8) COAL SILOS WORK

2. SALE FOR CONSTRUCTION PRODUCTS

- 1) C.R.B. products
- 2) Electric DUCT product

3. Business License

사업자등록증

(법인사업자)

등록번호 : 206-81-67457

법인명(단체명) : 주식회사한미지비지코리아

Name of Company : HANMI G.B.G Korea Co., Ltd.

대표자 : 이재용

Representative : Lee, Jae Yong

개업년월일 : 2002년 02월 18일

법인등록번호 : 110111-2445769

Date of Establishment Business : 2002. 02. 18.

Corporation Number : 110111-2445769

사업장소재지 : 서울특별시 광진구 광장동 341-12 대광빌딩 3층

Location : 341-12 DaeKwang B/D 3F. Gwangjang-Dong, Gwangjin-Gu, Seoul, Korea

본점소재지 : 서울특별시 광진구 광장동 341-12 대광빌딩 3층

Main Location : 341-12 DaeKwang B/D 3F. Gwangjang-Dong, Gwangjin-Gu, Seoul, Korea

사업의종류 : **업태**

건설

종목

철근콘크리트, 비계공사

Type Business

건설

Item

토공

건설업

강구조물공사업

도매

일반철물

서비스 (임대관련) &

건설장비, 건설자재

- Construction

- Re-bar concrete

- Service

- Scaffolding

-

- Steel structure

교부사유 : 업종추가

2009 년 11 월 20 일

성동 세무서장

SUNG DONG REVENUE OFFICIAL





담당부처	건설행정과
책임자	유병규
담당자	김희순
연락처	450-1400

건설업등록증

Certification of Constructor

업종 : 철근-콘크리트	등록번호 : 광진-03-10-04
Category of business : Re-bar Concrete	License of Number : Gwangjin-03-10-04
상호 : (주)한미지비지코리	대표자 : 이재용
Name of Company : HANMI G.B.G Co., Ltd.	Representative : Lee, Jae Yong
영업소소재지 : 서울 광진구 광장동 341-12대광빌딩3층	법인(주민)등록번호 : 110111-2445769
국적또는소속국가명 : 대한민국	등록일자 : 2003. 5. 29

건설산업기본법 제9조의 규정에 의한 건설업자임을 증명합니다.

2003 년 5 월 29 일

광진구청장



변경사항			
변경년월일	변경구분	변경내용	기록연월일 · 기록자(인)



담당부서	건설행정과
책임자	인병호
담당자	장정화
연락처	450-1400

건설업등록증

Certification of Constructor

업종 : 비계·구조물해체공사업
 Category of business : Scaffolding (주)
 등록번호 : 광진-04-07-01
 License of Number : Gwangjin-04-07-01
 상호 : 한미지비지코리아
 Name of Company : HANMI G.B.G Co., Ltd.
 대표자 : 이재용
 Representative : Lee, Jae Yong
 영업소소재지 : 서울 광진구 광장동341-12
 (대광빌딩) 법인(주민)등록번호 : 110111-2445769
 국적또는소속국가명 : 대한민국
 등록일자 : 2004. 2. 5

건설산업기본법 제9조의 규정에 의한 건설업자임을
 증명합니다.

2004 년 2 월 5 일

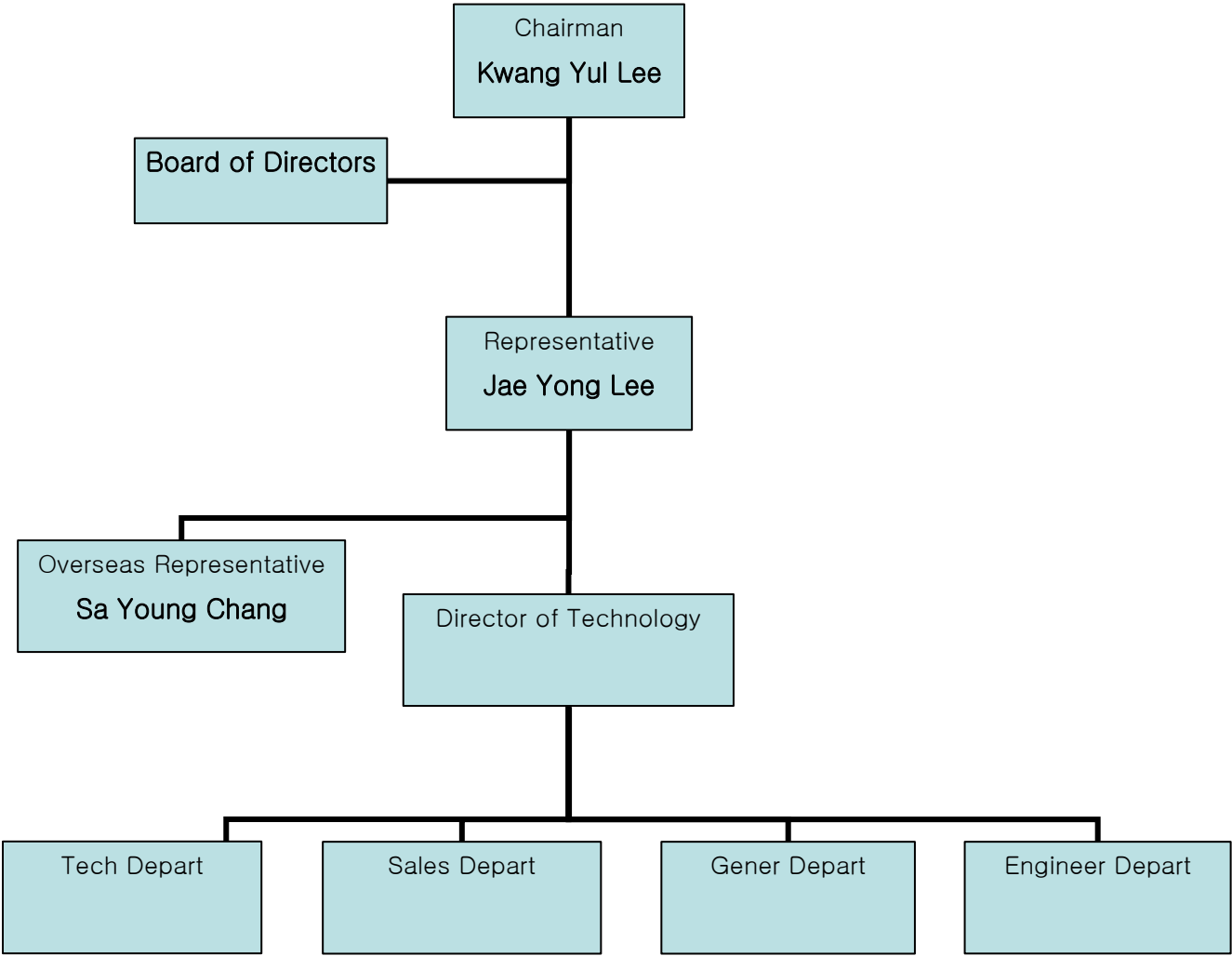
광진구청장



변경사항			
변경년월일	변경구분	변경내용	기록연월일·기록자(인)

4. Company Chart

Company Organization



5. Patents



의 장 등 록 증

등 록 제 0264675 호

출원	번호	제 1999-0030432 호
출원	일	1999년 12월 16일
등록	일	2000년 08월 09일

의장의 대상이
되는 물품 콘크리트 거푸집

의 장 권 자 (주)한미싸이로(110111-0280737)
서울특별시 서초구 양재동 241

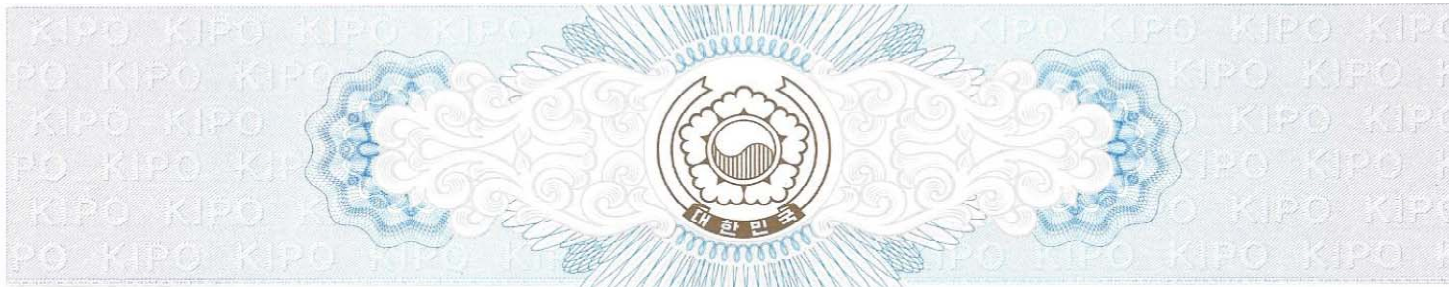
창 작 자 이광열(500116-1167515)
서울특별시강남구역삼동606-18

위의 창작은 의장법에 의하여 의장등록원부에
등록되었음을 증명합니다.

2000년 08월 09일

특 허 청





특 허 증

CERTIFICATE OF PATENT

특 허 제 10-1270533 호
(PATENT NUMBER)

출원번호
(APPLICATION NUMBER)

제 2011-0056457 호

출 원 일
(FILING DATE:YY/MM/DD)

2011년 06월 10일

등 록 일
(REGISTRATION DATE:YY/MM/DD)

2013년 05월 28일

발명의명칭 (TITLE OF THE INVENTION)

사일로에 저장된 석탄의 배출유도장치

특허권자 (PATENTEE)

등록사항란에 기재

발명자 (INVENTOR)

등록사항란에 기재

위의 발명은 「특허법」에 따라 특허등록원부에 등록
되었음을 증명합니다.

(THIS IS TO CERTIFY THAT THE PATENT IS REGISTERED ON THE REGISTER OF THE KOREAN
INTELLECTUAL PROPERTY OFFICE.)

2013년 05월 28일



특 허 청 장 김 영

COMMISSIONER, THE KOREAN INTELLECTUAL PROPERTY OFFICE





회 원 증

Certificate of Membership

회 원 번 호 : 11989925 (최초 가입일 : 2002/02/22)
Register No.

회 사 명 : (주)한미지비지코리아
Name of firm HANMI G.B.G. KOREA

대 표 자 : 이상열
Representative LEE, SANG-YEL

주 소 : 서울 광진구 광장동 341-12 대광빌딩 3층
Address 3F, Daegwang Bldg., 341-12, Gwangjang-dong, Gwangjin-gu, Seoul,
143-811, KOREA

귀사는 본 협회 정관 제6조에 의한 회원임을
증명합니다.

We hereby certify that the above-mentioned firm is a member of
the Korea International Trade Association(KITA) in accordance with
Section 6 of the KITA Articles of Incorporation.

2005년 01월 27일
Year Month Day

사단
법인

한국무역협회 회장



Chairman
Korea International Trade Association



의 장 등 록 증

Registration of Patent

등 록 제 0264675 호

Register Number : 0264675

출원 번호 제 1999-0030432 호

출원 일 1999년 12월 16일

등록 일 2000년 08월 09일

Submit Application Number : 1999-0030432

Date of Submit Application : 1999. 12. 16.

Date of Register : 2000. 08. 09.

의장의 대상이
되는 물품

Patent Item :

콘크리트 거푸집

Concrete Slipform

의 장 권 자

Hold a Patent :

(주)한미싸이로(110111-0280737)

HANMI SILO Co., Ltd. (110111-0280737)

서울특별시 서초구 양재동 241

241, Yangjae-Dong, Seocho-Gu, Seoul, Korea

창 작 자

Creator :

이광열(500116-1167515)

Lee Kwang Yul (500116-1167515)

서울특별시강남구역삼동606-18

606-18, Yeoksam-dong, Gangnam-Gu, Seoul, Korea

위의 창작은 의장법에 의하여 의장등록원부에
등록되었음을 증명합니다.

2000년 08월 09일

This creation is register by Korean Patent Law.

09. AUG. 2000

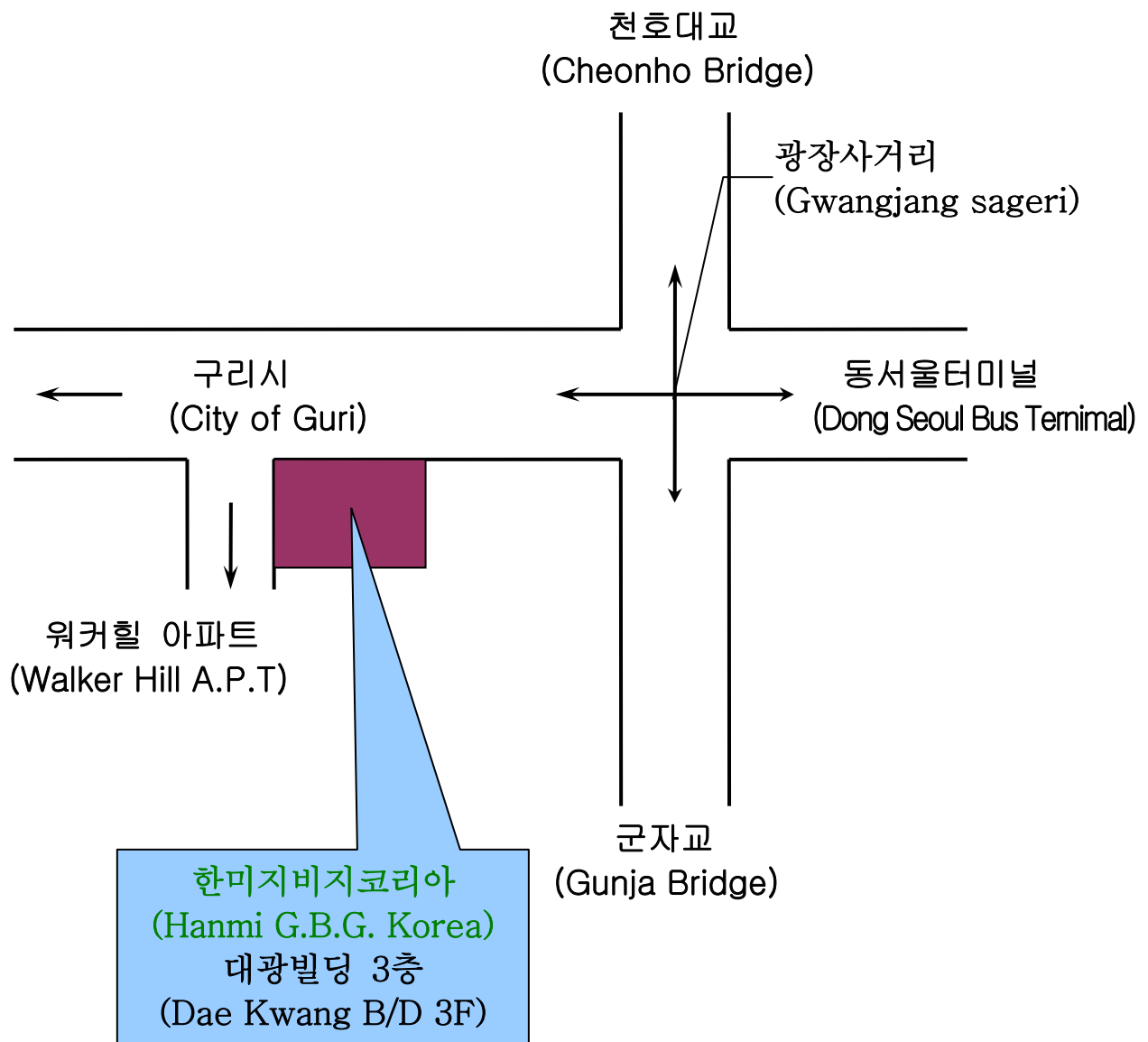
특 허 청

KOREA PATENT ADMINISTRATION



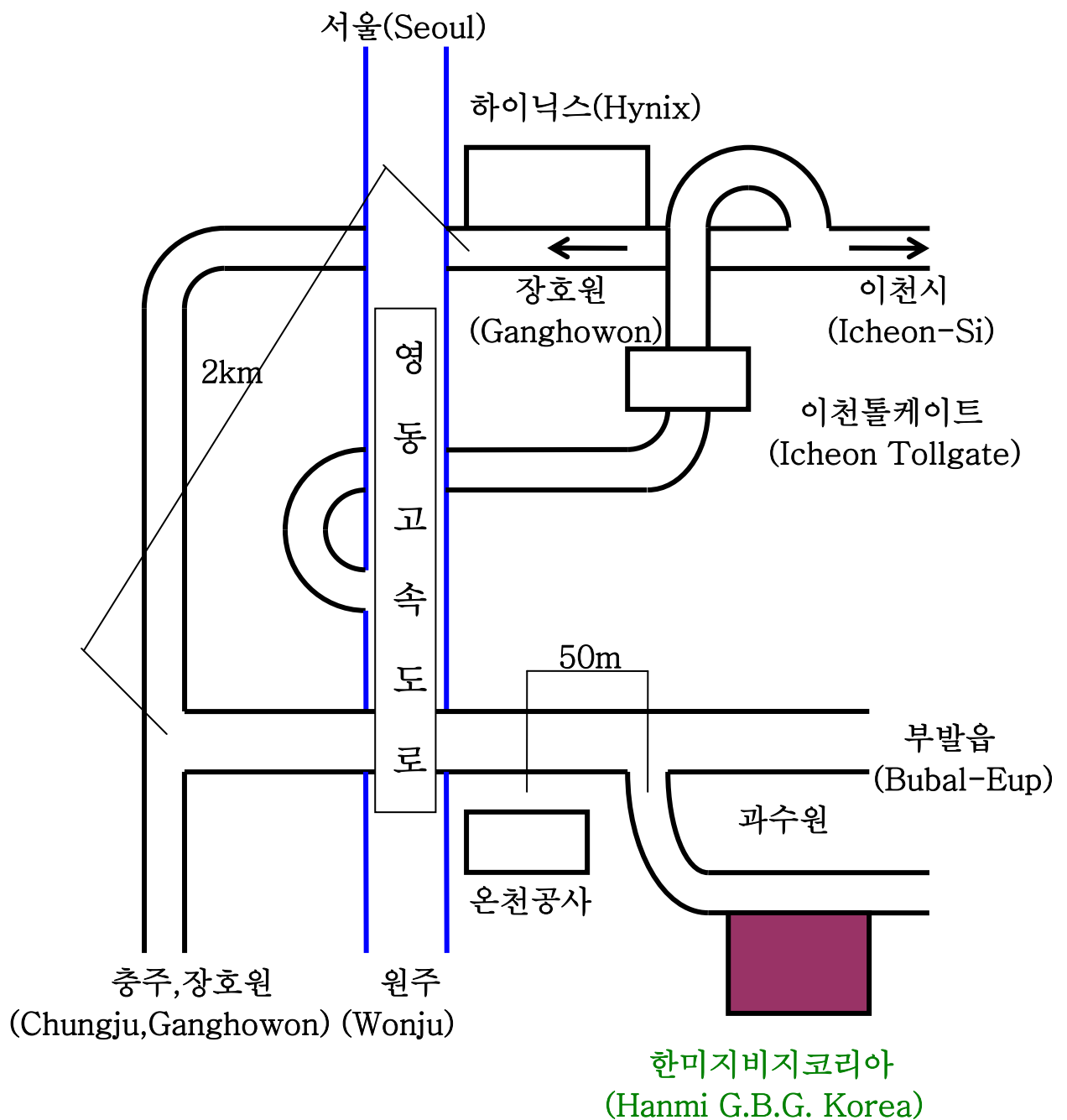
6. Company Location

Head Office



7. Pictures of Company warehouse in Icheon

Map of HANMI G.B.G. Korea Icheon Factory



경기도 이천시 부발읍 송은리 100-1
100-1, Songon-Ri, Bubal-Eup, Icheon-Si, Kyungki-Do, Korea
Tel:(031)631-4018 Fax:(031)631-4017

Hanmi G.B.G. Korea Co., Ltd. : Warehouse in Icheon



Address : Gyeonggi-Do, Icheon-Si, Bubal-Eup, Songon-Ri 100-1
Tel : (031)631-4018 Fax : (031)631-4017

8. Main Equipment

Holdings of Main Equipment

CON'C PUMP	1EA
FORK LIFT	1EA
TOWER CRANES	1EA
WINCH	10EA
HYDRO 6TON JACK	500EA
HYDRO PUMP	20EA
HYDRO HIGH PRESSER HOSE	500EA
JACK ROD Ø32mm	7,000EA
YOKE	500EA
WORKING DECK	500EA
HANGING DECK	500EA



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Con'c Placing Boom



HANMI G.B.G KOREA

HAN MI G.B.G KOREA CO.,LTD

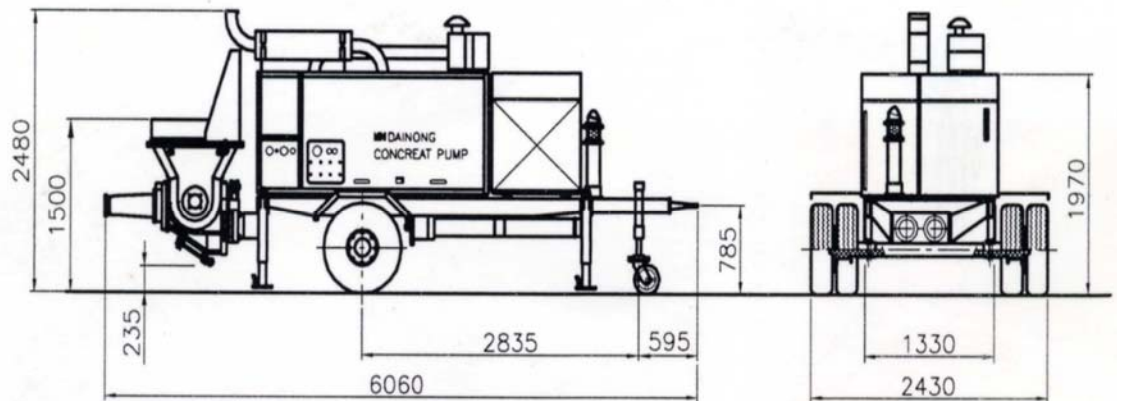
341-12, Kwangchaang-Dong, Kwangjin-Ku
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DAI NONG CONCRETE PUMP

외 관 치 수



기 술 사 양

최대이론 토출량	로드 사이드	85 m³/h
	피스톤 사이드	48 m³/h
최대이론 콘크리트압력	로드 사이드	70 bar
	피스톤 사이드	110 bar
실린더 내경	직경	200 mm
	행정	1,400mm
행정수	로드 사이드	32 Stroke/min
	피스톤 사이드	18 Stroke/min
엔진출력	출력	141 KW
	회전수	2,300 r.p.m
최대유압작동압력	펌프	310 bar
	아지테이타	250 bar
	물펌프	250 bar
용량	작동유	560 Liter
	물탱크	400 Liter
	호퍼	650 Liter
세척기 최대수압(선택)		160 L/min/25bar
무게(중량)		5,600 kg



DAI NONG Heavy Industries, Inc.

대 농 중 공 업 주 식 회 사



HAN MI G.B.G KOREA CO., LTD

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WILD ZL automatic zenith plummet WILD NL automatic nadir plummet



Top-quality zenith and nadir plumbing

The WILD ZL zenith plummet and WILD NL nadir plummet, both of them automatic, have been developed on the basis of the latest technologies, but retain traditional design principles. The images seen down the telescopes of these two automatic plummets are erect, rich in contrast, and magnified considerably. The line of sight is in each instance set vertically by means of two compensators operating in planes at right-angles to one another. One sighting per plumbing is therefore sufficient for most tasks. For nadir sighting, a WILD GST20 tripod can be modified by means of the conversion kit 352 249 to give telescopic images of superb quality.

Technical data

Standard deviation when plumbing
with two observations at 180°

Telescope magnification

Free aperture

Field of view at 100m/100ft

Shortest focusing distance

Compensator range in both directions

Setting accuracy in both directions

Sensitivity of level

Temperature range: Operation

Storage

Weight: Instrument

GDF21 tribrach

Container

WILD ZL automatic

1:200 000
0.5mm at 100m
0.0015ft at 300ft
24×
36mm 1.42in
3.2m 3.2ft
0.9m 3.0ft
±10'
±0.3"
4"/2mm
-20°C to +50°C
(-4°F to 122°F)
-40°C to +70°C
(-40°F to 158°F)
2.3kg 5.1lb
0.8kg 1.7lb
2.5kg 5.5lb

WILD NL automatic

1:200 000
0.5mm at 100m
0.0015ft at 300ft
24×
30mm 1.18in
3.2m 3.2ft
0.9m 3.0ft
±10'
±0.3"
4"/2mm
-20°C to +50°C
(-4°F to 122°F)
-40°C to +70°C
(-40°F to 158°F)
2.2kg 4.8lb
0.8kg 1.7lb
2.5kg 5.5lb

WILD ZNL tubular level

1:30 000
1mm at 30m
0.003ft at 100ft
7× (FOK88)
13mm 0.51in
10m 10ft
0.35m 1.15ft
30"/2mm
-20°C to +50°C
(-4°F to 122°F)
-40°C to +70°C
(-40°F to 158°F)
1.6kg 3.5lb
0.8kg 1.7lb
2.5kg 5.5lb

Leica AG, Heerbrugg,
Switzerland, has been certified
as being equipped with a quality
system which meets the
International Standard of Quality
Management and Quality
Systems (ISO standard 9001,
EN standard 29001).



Total Quality Management –
Our commitment to total
customer satisfaction

Ask your local Leica agent for
more information about our
TQM program.

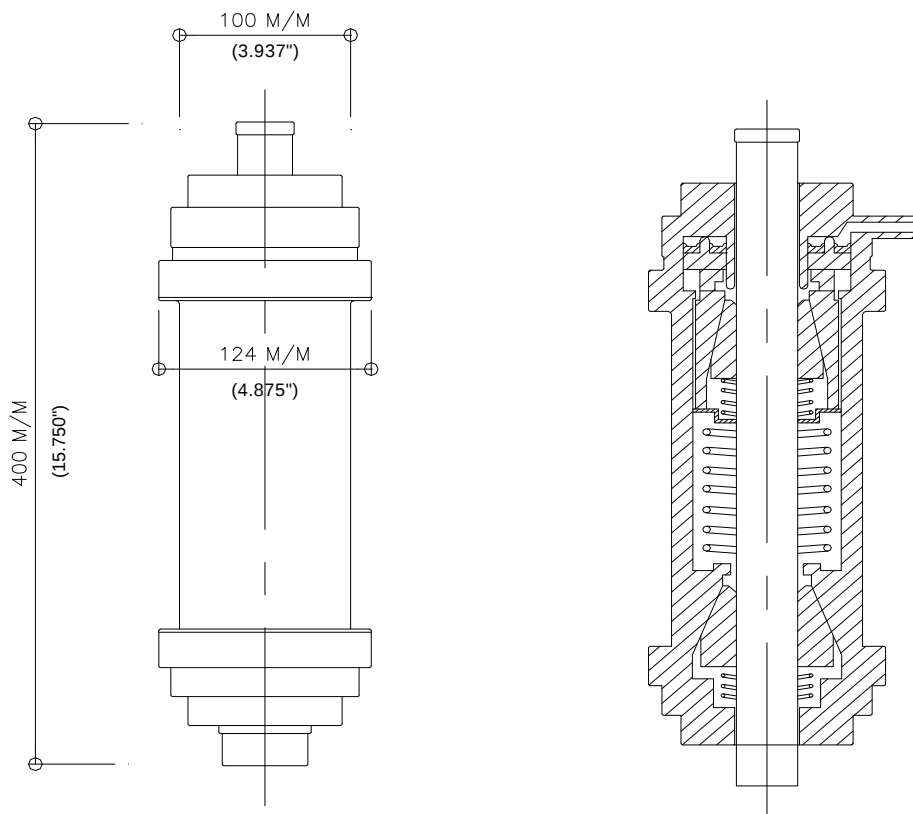


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Homepage : hanmigbg.com, E-mail : hanmigbg@korea.com



SPECIFICATIONS FOR 6ton JACK

Type :	T6 – S
Roted :	6,000kg. (13,200 lbs)
Pressure at	
Roted Load :	100kg/cm ² (1,420 psi)
Function :	Single Acting, Spring Return With Self – leveling Features.
Stroke Length :	25 mm. (0.984 inch)
Jack Rod :	32.0 mmOD (1.259 inch)

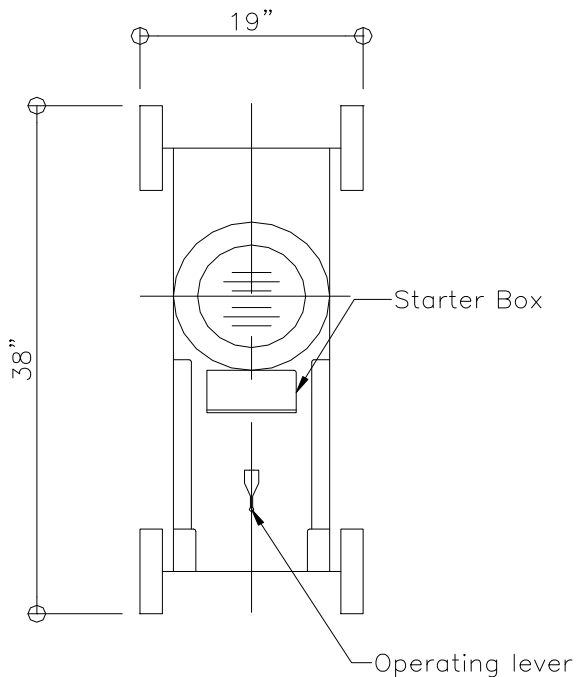


HAN MI G.B.G KOREA CO.,LTD

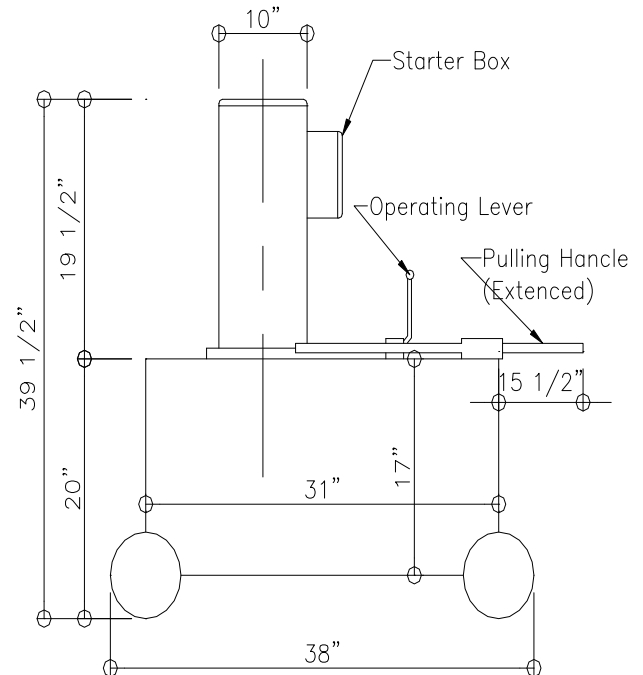
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Homepage : hanmigbg.com, E-mail : hanmigbg@korea.com



Top View



Side View

Type :	2 : 34 : 210	Adj. Pressure Regulation :	400*3,000 psi (30 – 210 kgf/cm ²)
Displacement :	10 gallons/min (38liters/min) @2,775 psi (160 kgf/cm ²) With 60Hz current	Operating Value :	Double – acting Open – Centered 4 – Way Directional
Motor :	17 hp @1,740 rpm 440 volt, 23 amps 550 volt, 17 amps	Weight :	Empty 420 lbs (190kg) Full 660 lbs (300kg)
		Reservoir :	30 gallons (115 liters)
		Volume :	
		Option :	



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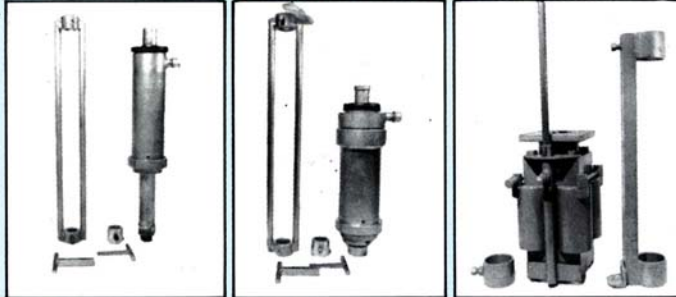
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SLIPFORM JACKS

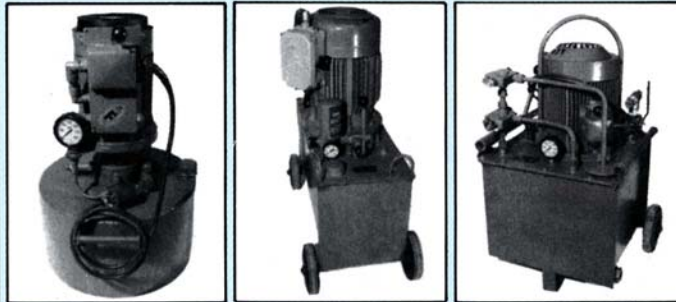


3-Ton JACK

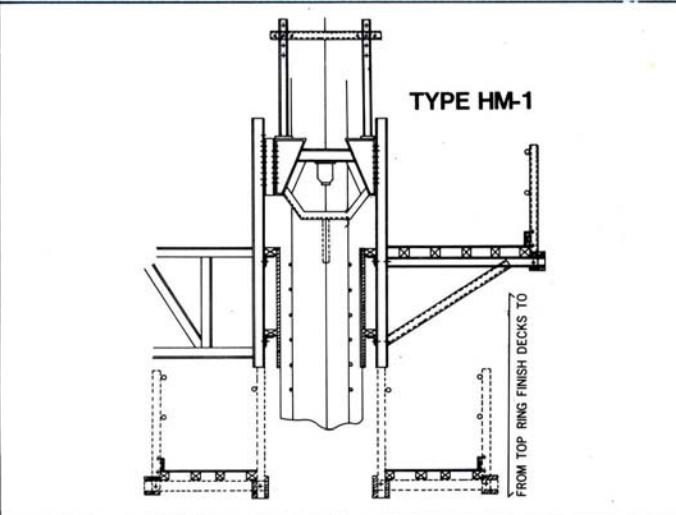
6-Ton JACK

22-Ton JACK

PUMPS



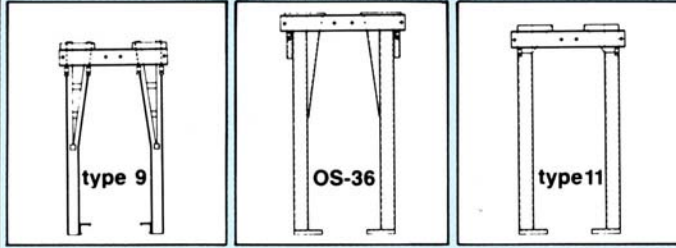
SLIPFORM YOKES



TYPE HM-1

FROM TOP RING FINISH DECKS TO

ADJUSTABLE STEEL YOKES



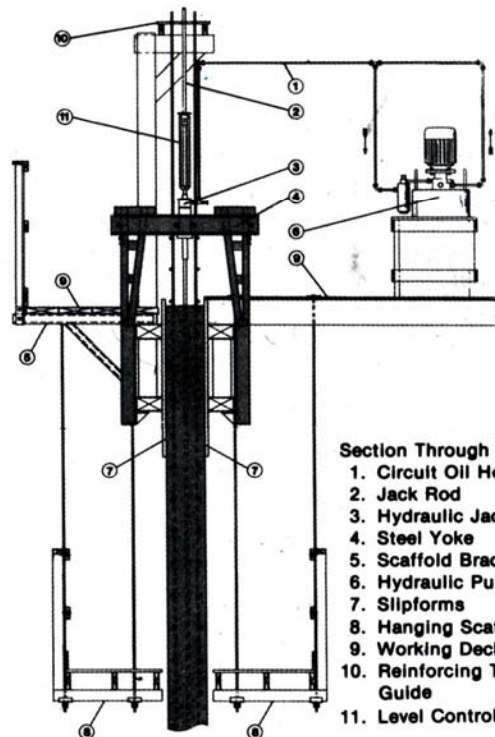
type 9

OS-36

type 11

SLIPFORM JACK TYPE	601	604	R-72
Load Capacity	3 tons	6 tons	22 tons
Length of Stroke	25 mm	25 mm	25 mm
Jackrod Size	26.7 mm	33.4 mm	73.0 mm
Working Pressure	100 Bar	100 Bar	100 Bar
Self-Level Control	Yes	Yes	Yes

SLIPFORM



Section Through Slipform

1. Circuit Oil Hose
2. Jack Rod
3. Hydraulic Jack
4. Steel Yoke
5. Scaffold Bracket
6. Hydraulic Pump
7. Slipforms
8. Hanging Scaffolds
9. Working Decks
10. Reinforcing Template Guide
11. Level Controller

9. International Partner and International branch

International Partner and International Branch

– International Partner

Australia – G.B.G. GLEITBAU SALZBURG

Vietnam – C.C.I.C

Saudi Arabia – E.T.E

– International Branch

Malaysia – HANMI SILO

9. Award



感謝牌



株式會社 韓美싸이로
代表理事 李 光 烈

貴下는 平素 弊社 發展을 爲하여 物心兩面으로 많은 協助와 後援을 하였을 뿐만 아니라 特히 300萬톤 增設工事を 施工함에 있어 卓越한 技術과 力量을 發揮하여 本 工事を 完工하는데 크게 寄與하였으므로 이에 感謝의 뜻을 表하며 이 牌를 드립니다.

1985. 10. 15

現代시멘트株式會社

代表理事 會長 鄭 順 永



TESTIMONIAL OF APPRECIATION

HANMI G.B.G KOREA Co., Ltd.

LEE Kwang-YuL

CEO / President

You contributed with your excellent skill and capability for the successful completion of 3 million ton Expansion Project.

I herewith express my sincere appreciation for your great contribution to the Project.

1985. 10. 15.

HYUNDAI CEMENT Co., Ltd.

CHUNG Sun-Young

CEO / Chairman



TESTIMONIAL OF APPRECIATION

HANMI G.B.G KOREA Co., Ltd.

LEE Kwang-YuL

CEO / President

You did excellent contribution for Year 1989 with your sincere diligence for Okke Cement Expansion Project.

I express the special appreciation for your fine achievement to the Project.

1989. 12. 30.

HALLA RESOURCES Co., Ltd.

LEE Chul- Woo

Head of Construction Division

Senior vice President



TESTIMONIAL OF APPRECIATION

HANMI G.B.G KOREA Co., Ltd.

LEE Kwang-YuL

CEO / President

You have greatly contributed with your positive cooperation and effort for the successful completion of the 7th Expansion, No. 6 Kiln, Project.

On the occasion of launching ceremony of Samcheok Plant, 8 million ton capacity, I herewith present you this testimonial of appreciation for your fine manner shown to the Project.

1990. 11. 25.

DONGYANG CEMENT Co., Ltd.

HYUN Jae-Hyun

Chairman

준공기념패

공 사 명 : 월성원자력 3,4호기 주설비공사
공 사 기 간 : 1992. 2. 26 ~ 1999. 9. 30
발 주 처 : 한국전력공사

우리들의 각고의 노력이 이렇게 훌륭한 결실을 맺었습니다.
많은 사람들의 의구심 속에서 우리는 속으로
다짐하고 또 다짐했습니다. 그리고 7년!
우리는 드디어 해냈습니다. 세계최고의 원전을 만들어
우리 후손에게 남겨 주게 되어 너무나도 자랑스럽습니다.
여러분의 창조, 도전 그리고 희생이 없었다면
결코 달성할 수 없는 일이었습니다.
여러분! 정말 수고 하셨습니다.

DAEWOO

수상실적

94.11.22 '94년 건설경쟁부문 최우수사업소상
(한국토목공사)
96. 2. 25 '95년도 한국원자력기술경진 (금상)
96. 12. 15 제2회 국가원전 건설의 날 (대통령표창)
99. 2. 2 '98 우수건설실적대상 (한국전력공사)
99. 2. 25 제1회 대우인상 (단국대총무 우수상)
99.10.10 제1회 대한민국 건설대상 건설공사
현상대상 (은상)

시공기록

94.10.22 4호기 원자로 외벽측으로 세계 최단
기록 달성
97. 5. 24 4호기 원자로차관 설치 세계 최단
기록 달성
97. 6. 15 3호기 원자로연통 증합유선설치
세계 최단시간 및 최저비용을 기록
달성
98. 6. 30 3호기 원전 편성 세계 최단 기록
달성

"원전시공 30년 선배였던 경쟁사가 오히려 태우에게 한 수 배워야 하겠다. 이러한 어류로 KEDC원전에도
참여 할 수 있게 됐다" - 건설사장 (96.11.6 월성2호기 핵연료장전 행사 참석시) -

"This is a significant achievement reflecting well on the quality of Wolsong 3, and on behalf of
AECIL, I congratulate you on this success!" - AECIL (97. 6. 15 월성2호기 ILRT의 성공적 완료 축하서신 중에서) -

MEMORIAL TABLET FOR COMPLETION

HANMI G.B.G KOREA Co., Ltd.

Construction Name: Wonseong Atomic Power Unit 3,4 Main Facilities Work

Client: Korea Electric Power Corporation

Our hard works and efforts have come fruition like this. We pledged ourselves over and over even among the doubts of many people. And over 7 years! We finally did it. We are proud so much to have made the world best atomic power plant and deliver it to our sons and daughters. We could not have never achieved this work without your creativities, challenges and sacrifices. Many thanks for your troubles.

1999. 9. 30.

DAEWOO ENGINEERING AND CONSTRUCTION Co., Ltd.





TESTIMONIAL OF APPRECIATION

HANMI G.B.G KOREA Co., Ltd.

LEE Kwang-YuL

CEO / President

We are appreciation for your good achievement contributed to Donghae Plant No. 1 Kiln NSP Project.

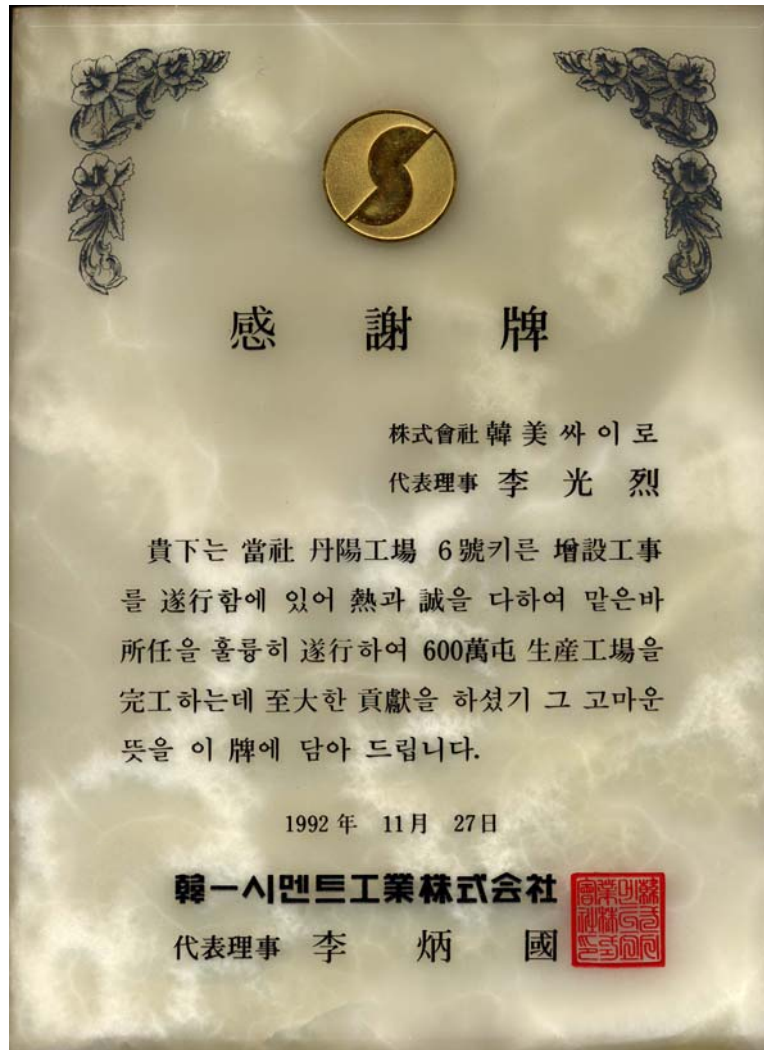
As a good will of appreciation for your excellent work, we are presenting this testimonial to you.

1992. 8. 28.

SSANGYOUNG CEMENT Co., Ltd.

WOO Duk-Chang

CEO / President



TESTIMONIAL OF APPRECIATION

HANMI G.B.G KOREA Co., Ltd.

LEE Kwang-YuL

CEO / President

You are greatly contributed with your sincere effort for Danyang Plant No.6 Kiln Expansion Project, 6 million ton-per-yea capacity.

I appreciate for your good cooperation in commemoration of the successful completion of the Project.

1992. 11. 27.

HANIL CEMENT Co., Ltd.

LEE Hyung- Guk

CEO / President



TESTIMONIAL OF DISTINGUISHED SERVICES

JUNGANG HIGHWAY PROJECT

Youngju~Jecheon, Section No. 14

HANMI G.B.G KOREA Co., Ltd.

This firm has excellently performed their responsibility with united harmony and cooperation under the difficult circumstance for the Jungang Highway Project, Youngju~Jecheon, Section No.14, Pojeon-Bridge Construction.

As the result of their performance, this firm has been selected as "the Best Subcontractor in '98" from the Jungang No.2 Construction Office.

To commemorate this occasion, we are presenting this testimonial with our honor.

1998. 12. 30.

KOREA HIGHWAY CORPORATION

Jungang No.2 Construction Office

KIM Tae-Sik

Site Manager



TESTIMONIAL OF APPRECIATION

HANMI G.B.G KOREA Co., Ltd.

LEE Kwang-YuL

CEO / President

Your firm has performed great achievement with your positive cooperation for successful completion of Korea Cement Co., Kwangyang Plant, OPC Project.

With our sincere appreciation, we are presenting this Testimonial of Appreciation for your contribution to the Project.

2004. 4. 30.

KOREA CEMENT Co., Ltd.

PARK Hong-Rae

CEO / President



TESTIMONIAL OF APPRECIATION

HANMI G.B.G KOREA Co., Ltd.

We would like to extend our sincere gratitude to HANMI G.B.G for good cooperation and contribution for PHU MY Fertilizer Project in Vietnam.
During 90 days Operation.

2003. 2. 10.

SAMSUNG ENGINEERING Co., Ltd.

**SEO. H. W
SITE MANAGER**

10. The Silos Work Experience List

10-1 THE SILOS WORK EXPERIENCE (Oversea)

PROJECT	DESCIPITON	PRIME CONTRACTOR	AUTHOURITIES CONCERNED	PERIOD
Gizan cement plant	b/silo – H:65m 3units c/silo – H:45m 6units	Halla const.	Southern province cement	6. '80 12. '80
Rabigh cement plant	b/silo – H:45m 6units cm/silo – H:45m 5units	Hanil dev. Co.	Arabian cement	1. '82 1. '83
Rabigh cement plant	water tower – H:45m	Hanil dev. Co.	Arabian cement	12. '82 1. '83
Dumai cement (Indonesia)	Hydor dracking silo H:47m 3units	Hyundai const.	Dumai co.	10. '82 7. '83
Iraq water tower	H:48m 2units	Hyundai const.	Housing dept	3. '84 7. '84
Perak cement plant (Malaysia)	b/silo, cm/silo	Korea heav. Industries & const	Perak cement	8. '84 12. '85
P.N.G. clinker % cement packing plant	cm/silo 1unit ck/silo 1unit	Halla const.	Png-halla Cement	4. '92 12. '92
Bisah cement plant	b/silo 2units cm/silo 4units ck/silo 3units	Halla const.	Southern province Cement	11. '94 2. '96
Perak cement plant (Malaysia)	b/silo 2units cm/silo 2units ck/silo 2units	Korea heav. Industries & const	Perak cement	3. '97 3. '00
Phu my fertilizer project (Vietnam)	Prilling tower	Samsung Eng.	Samsung Eng.	7. '02 7. '03
Tabuk cement plant (Saudi Arabia)	cm/silo 1unit	Dongwoo/Tcc	Dongwoo/TCC	1. '03 6. '03

10-2 The Results of Bridge Pier Construction

PROJECT	DESCIPITON	PRIME CONTRACTOR	AUTHOURITIES CONCERNED	PERIOD
88 Olympic highway Seunggi Bridge	Pier : 8units Height : 46m	The Department of Construction of Kongyoug	The Department of Construction of Kongyoung	5. '82 12. '83
Chungju dam Chungpung Birdge	Pier : 3units Height : 54m	Dong-a Construction	Deajeon office	11. '83 5. '84
Chungju dam Sangjin Birdge	Pier : 4units Height : 36m	Dong-a Construction	Deajeon office	11. '83 5. '84
Chungju dam Machun Bridge	Pier : 4units Height : 80m	Deawoo Co., Ltd.	Deajeon office	9. '84 12. '84
Imha dam Mangchun Bridge	Pier : 2units	Dealim Industry	Deajeon office	7. '85 12. '85
Bukpyung Bridge	Pier : 3units Height : 37m	Deawoo Co., Ltd.	Deajeon office	4. '84 6. '84
Pojeon Bridge	Pier : 3units Height : 50m	Korea Heavy Industries and Construction Co. Ltd.	Korea Highway Corporation	6. '98 6. '01
Chungbu Island Highway Chungwon Bridge	Pier : 16units Height : 52m	S.K. Engineering & Construction Co., Ltd.	Korea Highway Corporation	4. '99 12. '01
Chungbu Island Highway Munju Bridge	Pier : 24units Height : 54m	Hyundai Construction	Korea Highway Corporation	6. '99 12. '01

10-3 Cement Factory

PROJECT	DESCIPITON	PRIME CONTRACTOR	AUTHOURITIES CONCERNED	PERIOD
Sungshin Cement	cm/silo 2units H:67m b/silo 2units H:69m	Pusan Industrial co.	Sungshin Cement	3. '78 9. '78
Hyundai Cement	b/silo 2units H:30m	Hyundai Construction	Hyundai Cement	8. '78 10. '78
Ssangyong Kunsan Factory	cm/silo 2units H:45m	Ssangyong Construction	Ssangyong Cement	1. '81 4. '82
Union Cement	cm/silo 2units H:45m	Teahung Construction	Union Cement	4. '81 4. '82
Chungju Factory	b/silo 2units H:42m	Kumkang Co., Ltd.	Hyundai Cement	1. '84 9. '84
Hyundai Cement	cm/silo 2units H:48m	Hyundai Construction	Halla Resources	5. '84 9. '84
Sungbuk Factory				
Halla Cement	cm/silo 4units H:48m	Hyundai Construction	Hyundai Cement	11. '84 10. '85
Okgye Factory (1 st)	b/silo 2units H:67m	Kumkang Co., Ltd.	Hyundai Cement	11. '84 10. '85
Hyundai Cement	b/silo 3units	Dongyang Overall Industry	Dongyang Cement	2. '85 5. '85
Danyang Factory	ck/silo 4units	Ssangyong Construction	Ssangyong Cement	6. '85 12. '85
Dongyang Cement	cm/silo 2units H:50m	Ssangyong Construction	Ssangyong Cement	9. '85 3. '86
Kwangyang Factory	cm/silo 2units H:50m	Youngchang Construction	Asia Cement	7. '85 12. '85
Ssangyong Cement	cm/silo 2units H:50m	Ssangyong Construction	Ssangyong Cement	9. '85 3. '86
Bugok Factory	cm/silo 1unit H:53m	Dongyang Cement	Dongyang Cement	9. '85 1. '86
Asia Cemant	cm/silo 2units H:50m	Hanil Construction Industry	Hanil Cement	10. '85 6. '86
Bugok Factory	cm/silo 2units H:50m	Kumkang Co., Ltd.	Hyundai Cement	2. '86 5. '86
Ssangyong Cement	cm/silo 2units H:50m	Ssangyong Construction	SSangyong Cement	8. '86 4. '87
Incheon Factory	cm/silo 2units H:40m			

PROJECT	DESCIPITON	PRIME CONTRACTOR	AUTHOURITIES CONCERNED	PERIOD
Hyundai Cement Deajeon Factory	cm/silo 1unit H:50m	Chonji Industry	Hyundai Cement	3. '87 7. '87
Dongyang Cement Ulsan Factory (1 st)	cm/silo 1unit H:53m	Dongyang Cement	Dongyang Cement	4. '87 10. '87
Hyundai Cement Jeonju Factory	cm/silo 1unit H:50m	Chonji Industry	Hyundai Cement	7. '87 2. '87
Dongyang Cement Samchuk Factory Extension	cm/silo 2units	Dongyang Cement	Dongyang Cement	7. '87 12. '87
Dongyang Cement Bukpyung Factory Extension	cm/silo 1unit	Dongyang Cement	Dongyang Cement	7. '87 12. '88
Dongyang Cement Kunsan Factory (1 st)	cm/silo 1unit H:50m	Dongyang Cement	Dongyang Cement	11. '87 5. '88
Dongyang Cement Samchuk Habor Extension	cm/silo 2units	Dongyang Cement	Dongyang Cement	3. '88 6. '88
Halla Cement Okgye Factory (2 nd)	b/silo 4units ck/silo 4units	Halla Resources	Halla Cement	8. '89 9. '90
Hyundai Cement Shindong Factory	cm/silo 1unit	Chonji Industry	Hyundai Cement	10. '88 6. '89
Ssangyong Cement Yongwol Factory	ck/silo 4units	Ssangyong Construction	Ssangyong Cement	3. '89 11. '89
Halla Cement Okgye Harbor Factory	cm/silo 6units ck/silo 4units	Halla Construction	Halla Cement	7. '89 6. '90
Hyundai Cement Kimhae Factory	cm/silo 1unit	Chonji Industry	Hyundai Cement	9. '89 3. '90
Halla Cement Umsung Factory	cm/silo 1unit	Halla Construction	Halla Cement	10. '89 1. '90
Asia Cement Ipsuk 3rd Extenstion	cm/silo 3units	Punglim Industry	Asia Cement	10. '89 4. '90
Dongyang Cement Samchuk Factory	cm/silo 6unis	Dongyang Cement	Dongyang Cement	12. '89 12. '90
Hyundai Cement Deachun Factory	cm/silo 1unit	Chonji Industry	Hyundai Cement	3. '90 8. '90

PROJECT	DESCIPITON	PRIME CONTRACTOR	AUTHOURITIES CONCERNED	PERIOD
Halla Cement	cm/silo 2units	Halla Construction	Halla Cement	3. '90
Bugok Factory				8. '90
Dongyang Cement	cm/silo 1unit	Dongyang Cement	Dongyang Cement	7. '90
Ulsan Factory (2 nd)				12. '90
Dongyang Cement	cm/silo 1unit	Dongyang Cement	Dongyang Cement	6. '90
Yeosu Factory				12. '90
Dongyang Cement	cm/silo 1unit	Dongyang Cement	Dongyang Cement	7. '90
Kunsan Factory (2 nd)				12. '90
Hyundai Cement	b/silo 3units, ck/silo 2units	Chonji Industry	Hyundai Cement	9. '89
Youngwol Factory	cm/silo 2units, stack 1units			6. '91
Asia Cement	cm/silo 1unit	Hyupsung	Asia Cement	10. '90
Shintanjin Factory		Construction		4. '91
Dongyang Cement	cm/silo 1unit	Dongyang Cement	Dongyang Cement	11. '90
Pohang Factory				2. '91
Ssangyong Cement	ck/silo 2units	Ssangyong	Ssangyong Cement	11. '90
Samhwa Factory		Construction		2. '91
Asia Cement	cm/silo 1unit	Samkun	Asia Cement	5. '91
Hongsung Factory		Construction		10. '91
Asia Cement	ck/silo 1unit	Shinwon Industry	Asia Cement	6. '91
Ipsuk Factory				11. '91
Halla Cement	cm/silo 2units	Halla Construction	Halla Cement	8. '91
Onsan Factory				2. '92
Dongyang Cement	b/silo 2units	Dongyang Cement	Dongyang Cement	11. '91
Samchuk Factory				6. '92
Hanil Cement	b/silo 2units, cm/silo 2units	Hanil Construction	Hanil Cement	10. '91
Danyang Factory	ck/silo 2units	Industry		8. '92
Hyundai Cement	cm/silo 1unit	Chonji Industry	Hyundai Cement	11. '92
YoungCheon Factory				4. '93
Hyundai Cement	cm/silo 2units	Chonji Industry	Hyundai Cement	11. '92
Youngwal Factory Extension				
Asia Cement	cm/silo 1unit	Shinwon Industry	Asia Cement	3. '93
Jecheon Factory				
Hyundai Cement	b/silo 1unit, stack 1unit	Sungwoo	Hyundai Cement	5. '93
Youngwal Factory Extension		Construction		10. '93

PROJECT	DESCIPITON	PRIME CONTRACTOR	AUTHOURITIES CONCERNED	PERIOD
Halla Cement	cm/silo 2units	Halla Construction	Halla Cement	5. '93
Samho Factory				12. '93
Halla Cement	cm/silo 1unit H:50m	Halla Cement	Halla Cement	9. '93
Chosung-Ri Factory				
Halla Cement	cm/silo 2units H:50m	Halla Construction	Halla Cement	10. '94
Kwangyang Factory				7. '94
Asia Cement	b/silo 1unit	Shinwon Industry	Asia Cement	3. '94
Ipsuk Factory				7. '94
Hyundai Cement	cm/silo 1unit	Sungwoo	Hyundai Cement	4. '94
Youngwol Factory		Construction		6. '94
Hanil Cement	cm/silo 1unit	Hanil Construction	Hanil Cement	4. '94
Chonju Factory				9. '94
Hyundai Cement	cm/silo 1unit	Sungwoo	Hyundai Cement	5. '94
Yongin Factory		Construction		11. '94
Hyundai Cement	cm/silo 1unit	Sungwoo	Hyundai Cement	8. '94
Yeoju Factory		Construction		2. '95
Halla Cement	cm/silo 4units	Halla Construction	Halla Cement	10. '94
Incheon Factory				6. '95
Hyundai Cement	cm/silo 1unit	Sungwoo	Hyundai Cement	10. '94
Yangju Factory		Construction		4. '95
Hanil Cement	cm/silo 1unit	Hanil Construction	Hanil Cement	1. '95
Pohang Factory				8. '95
Hanil Cement	ck/silo 1unit Dia:32m	Hanil Construction	Hanil Cement	6. '95
Danyang Factory				10. '95
Halla Cement	ck/silo 2units	Halla Construction	Halla Cement	6. '95
Okgye Factory				12. '95
Halla Cement	b/silo 2units	Halla Construction	Halla Cement	8. '96
Okgye 4 Line Extention	ck/silo 5units			8. '97
Halla Cement	cm/silo 1unit	Halla Construction	Halla Cement	3. '96
Chosung-Ri Factory				10. '96
R.T Room Attached Frame		Halla Construction	Halla Heavy	2. '97
work Halla Construction			Industry	6. '97

PROJECT	DESCIPITON	PRIME CONTRACTOR	AUTHOURITIES CONCERNED	PERIOD
Yongma Co., Ltd.	cm/silo 3units	Yongma Co., Ltd.	Sungshin Cement	2. '97
Danyang Factory				8. '97
Seuri International Corp.	cm/silo Steel-Frame	Seuri International	Sungshin Cement	8. '97
Danyang Factory	3units	Corp		12. '97
Hanil Construction Body work	Shipment of Susaek	Hanil Construction	Hanil Cement	6. '97
at the Place	Cement in Susaek Field			2. '98
Sungshin Cement Co., Ltd.	cm/silo 3units	Sungshin Cement	Sungshin Cement	12. '97
Danyang Factory				2. '98
Sungshin Cement Co., Ltd.	cm/silo 3units	Hanmi Silo	Sungshin Cement	3. '97
				3. '98
Hanil Cement	cm/silo 2units	Hanil Construction	Hanil Cement	4. '97
Susaek Factory				3. '98
Halla Cement	cm/silo 2units	Halla Construction	Halla Cement	1. '01
Changwon Factory				12. '01
Korea Cement Co., Ltd.	cm/silo 1units H:55.5m	Korea Cement	Korea Cement	8. '03
Kwangyang Factory				12. '03
5,000 ton Cement silo X 2	cm/silo 2units H:44.0m		Aju Remicon	1. '04
Aju Remicon Incheon Factory				3. '04
10,000 ton Cement silo X 1	cm/silo 1units H:44.0m		Aju Remicon	1. '04
Aju Remicon Incheon Factory				5. '04
GwangYang Silo	cm/silo 1units H:55.0m	SSangYong	SSangYong	3. '07
		Cement	Cement	3. '08
Mokpo Cement Silo	cm/silo 2units H:51.7m	Samho Heavy	Halla	4. '09
		Industries	Construction	12. '09
Pyongtak-Dangjin Harbor	cm/silo 2units H:47.3m	DaeHan Global	Hanil Development	9. '09
Cement Silo				12. '09
Dangjin Slag cement silo	cm/silo 2units H:50.0m	Hyundai	SungWoo	01. '11
			Constrtuctioni	10. '11
Dangjin Slag cement silo	cm/silo 1units H:47.0m	SamPyo	Amco	02. '11
				08. '11
Koyeo cement silo	cm/silo 1units H:47.0m	Koyeo cement		12. '12
				06. '13

10-4. Others Project

PROJECT	DESCIPITON	PRIME CONTRACTOR	AUTHOURITIES CONCERNED	PERIOD
Pusan Grain Preservation Silo	44units	Hyundai Construction	Bureau of Garbound Administration	8. '77 2. '78
Samyang Oil & Fat Silo	4units H:30m	Namkwang Construction	Samyang Oil & Fat	9. '78 12. '78
Samyang Oil & Fat Silo	12units H:42m	Hanil Construction	Samyang Oil & Fat	6. '78 11. '79
Samyang Sugar Preservation Silo	8units H:45m	Dongsan Construction	Samyang Corp	7. '84 11. '84
Y-2 Underground Pump room Elev. Core	2units H:80m	Chongwoo Development	Petroleum Development Corp.	5. '84 5. '85
Sunkwang Co., Ltd. Incheon Grian Silo (1 st)	24units H:42m	Youngchang Construction	Sunkwang Co., Ltd.	1. '85 9. '85
Samyang Sugar preservation Silo	4units H:42m	Kolol Construction	Samyang Corp.	4. '84 9. '85
Hyundai Seosan Fam Grain Silo	7units	Hyundai Construction	Hyundai Construction	8. '86 8. '87
Sunkwang Co., Ltd. Incheon Grain Silo (2 nd)	12units H:42m	Yongchang Construction	Sunkwang Co., Ltd	3. '87 8. '87
Shinkang Paper Manufacture	2units	Shincheon Development	Shinkang Paper	9. '92 11. '92
The 2 nd Wolsung Nuclear Power Plant	1unit	Hyundai Construction	KEPCO	10. '92 12. '92
Samsung Petrochemical Industry TPA body work	2units	Samsung Construction	Samsung Petrochemical	8. '93 10. '93
Hyundai Seosan Fam Tampering Preservation Silo	18units	Hyundai Construction	Hyundai Construction	5. '93 5. '94
Deachi Building Elev. Core	H:90m	Samsung Construction	Samsung Construction	5. '94 5. '94
The 3 rd & 4 th Wolsung Nuclear Power Plant	2unit	Deawoo Co., Ltd.	KEPCO	2. '94 6. '94

PROJECT	DESCIPITON	PRIME CONTRACTOR	AUTHOURITIES CONCERNED	PERIOD
Samsung Petrochemical Industry TPA body work	2units	Samsung Construction	Samsung Petrochemical	10. '95 12. '95
Nasan Misi 860 Elev. Core	Height : 91m	Nasan Construction	Nasan Construction	3. '96 10. '96
HTE Bear Silo	12units	Chonji Industry	Chosun Bear	10. '96 5. '97
Samsung Corporation Tower Palace	Core H:242.5m, H:220.m	Samsung Corporation	Samsung Corporation	3. '99 12. '00
C.J Grain Silo	H:34.4m x 15 units	C.J Development Co., Ltd.	C.J Development Co., Ltd.	5. '04 12. '04
Ulsan Grain Silo	Ø15.0*45.3mH*8EA	TaeYoung Industries	TaeYoung Construction	11.'07 08.'08
Hyundai Elevator Test Tower	H:184.6m*1EA	Hyundai Construction	Hyundai Elevator	05.'08 03.'09
Yeosu Coal Silo	Ø26.0*43.8mH*2EA	HanWha Construction	YeoSu Power Generation	05.'08 03.'09
Dangjin Grain Silo	Ø9.0*33.8mH*8EA	ChinHung International Inc.	Korea Mills	07.'09 08.'11
Asan Grain Silo	Ø11.4*40.5mH*8EA	SeoHee Construction Ltd.	DaeSun Mills	10.'09 08.'10
Pyeongtaek, Dangjin Harbor Grain Silo	Ø11.4*46.0mH*72EA	Korea Development Co.	Minister of Land Transport and Maritime Affai	12.'09 02.'11
Pohang steel coal silo	Ø43.0*58.8mH*3EA	Posco	Posco Construction	03.'12 09.'13
Hadong electric power plant	Ø48.0*69.9mH*3EA	South power plant	Hanjin Construction	10.'13 07.'14
Samchuk south electric power plant	Ø20.0*60.0mH*3EA	South power Plant	Kc cottrell	06.'14 06.'15
Sunkwang inchon grain silo	Ø11.0*56.25mH*8EA	Sunkwang	Donghwa	04.'15 11.'15
Sunkwang kunsan grain silo	Ø11.0*56.25mH*36EA	Sunkwang	Donghwa	12.'15

11. Construction Pictures



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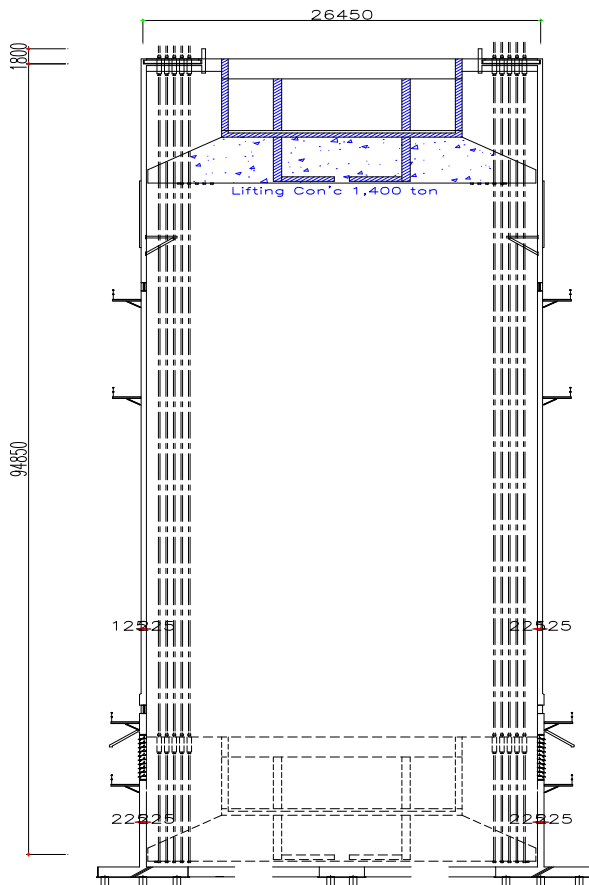
Homepage : hanmigbg.com, E-mail : hanmigbg@korea.com



SAMSUNG ENGINEERING

PhuMy site in Vietnam (07.'02~07.'03)

삼성 ENG. PhuMy 비료공장 현장 (베트남)





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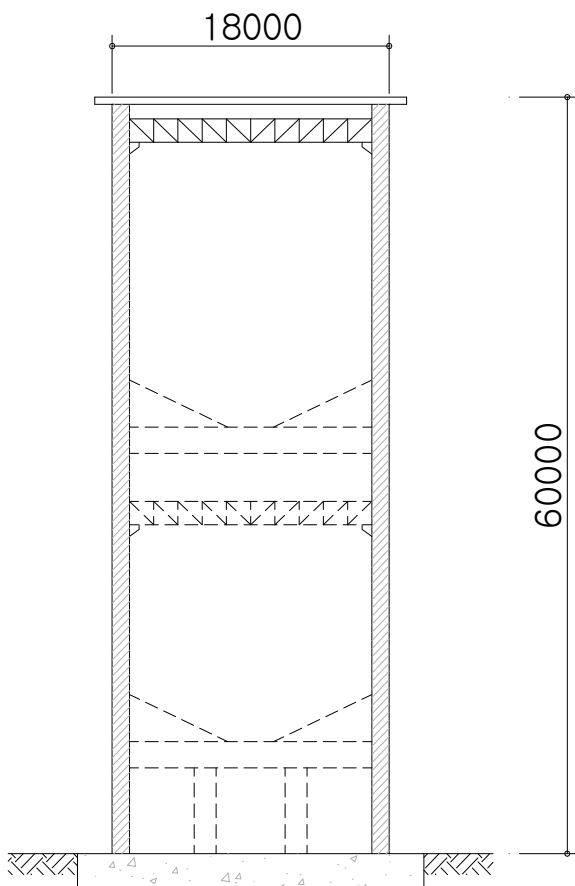
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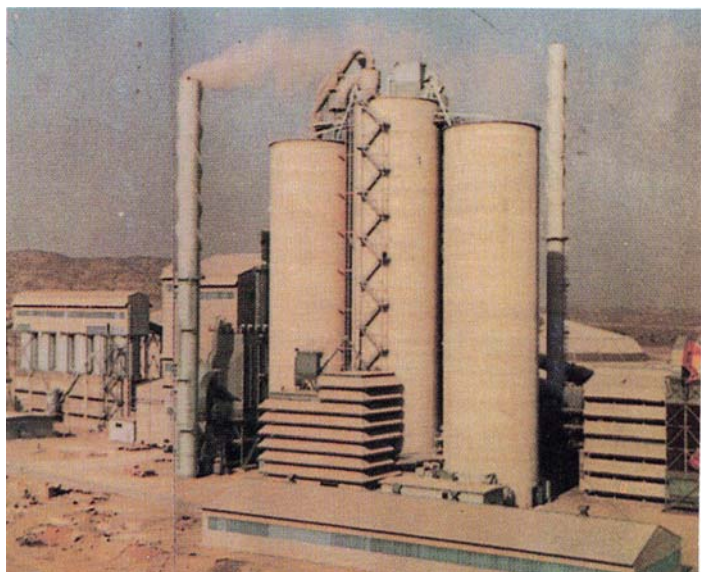
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Saudi Arabia (06.'80~12.'80)
Gizan Cement Plants



Blending Silo 3nos
Cement Silo 4nos
Clinker Silo Tower





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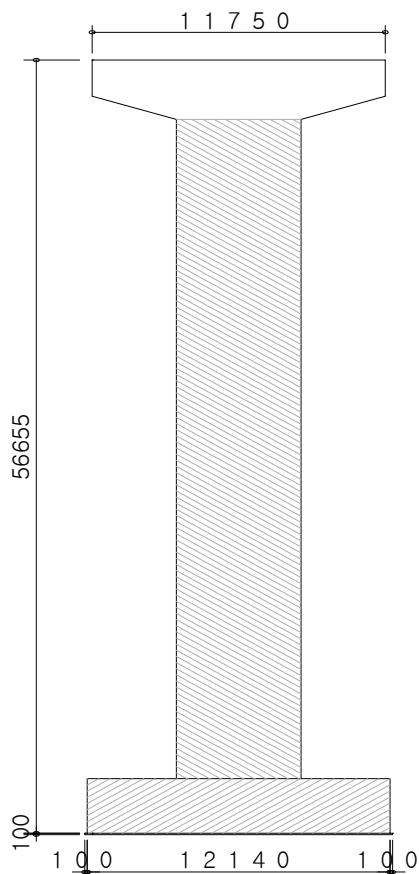
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Chungang Express Highway – Po Jeon Bridge (Korea)
중앙고속도로 – 포전교 (06.'98~06.'01)





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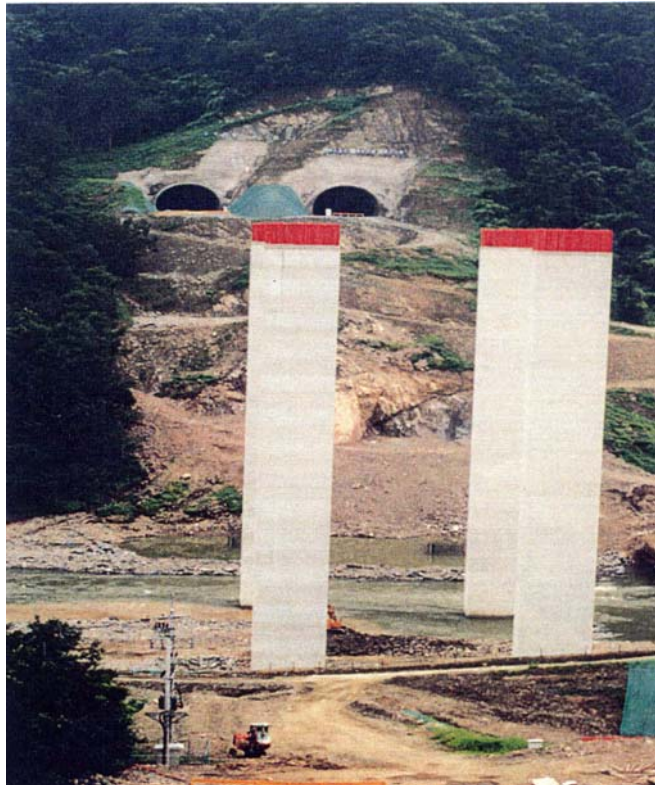
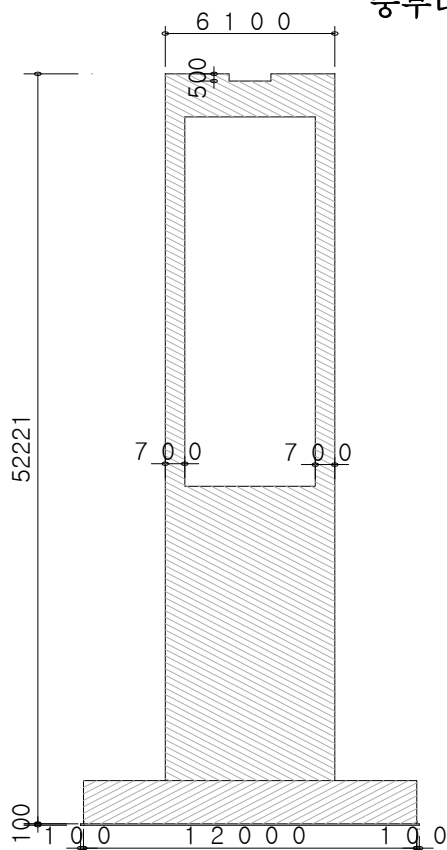
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Chungbu Express Highway – Moon Ju Bridge (Korea)
중부내륙고속도로 – 문주교 (06.'98~06.'01)





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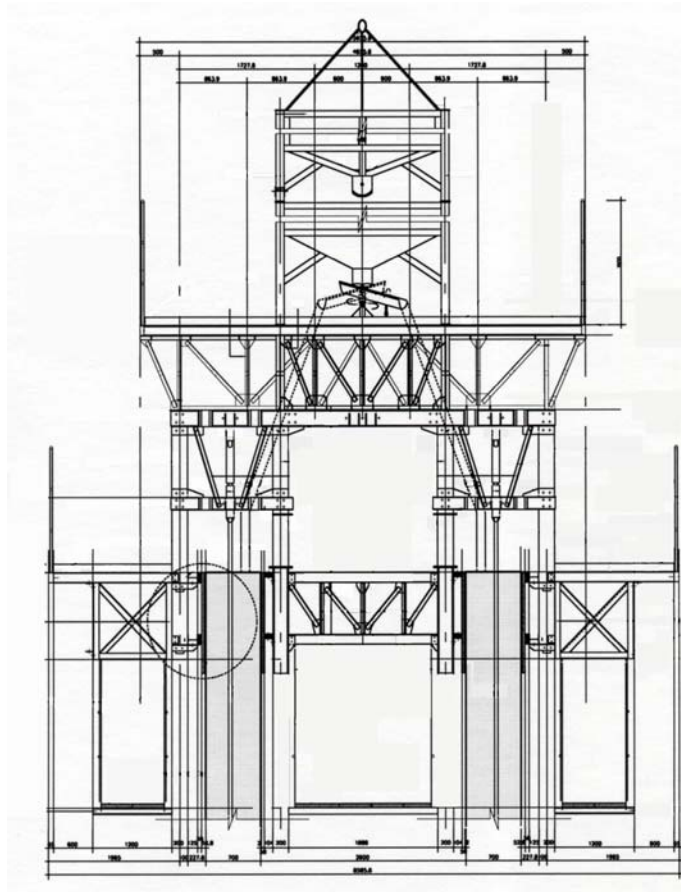
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Chungbu Express Highway – Jongwon Bridge (Korea)
중부내륙고속도로 – 중원대교 (06.'98~06.'01)





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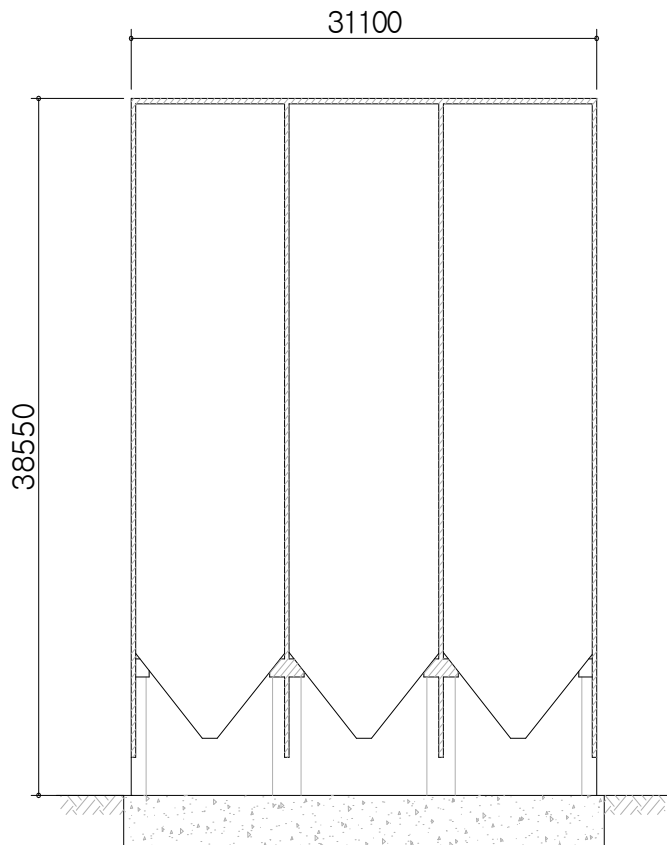
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Pusan Grain Silo (Korea)

부산양곡 사이로





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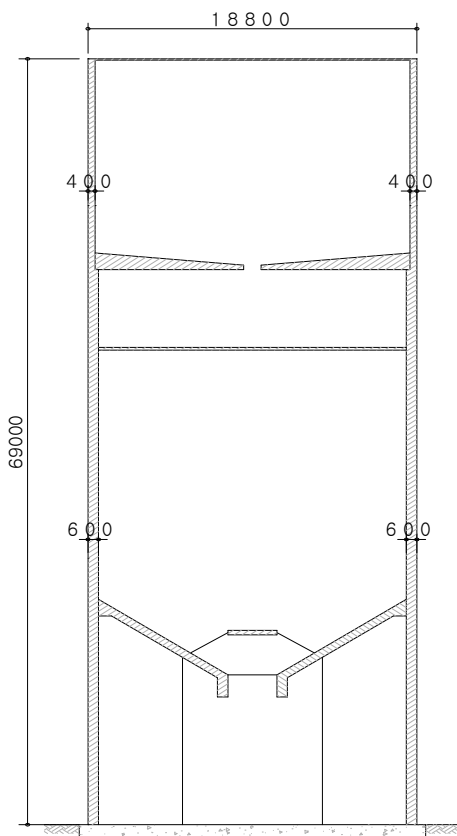
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Hyundai Cement Silo (Korea)

현대시멘트 사이로





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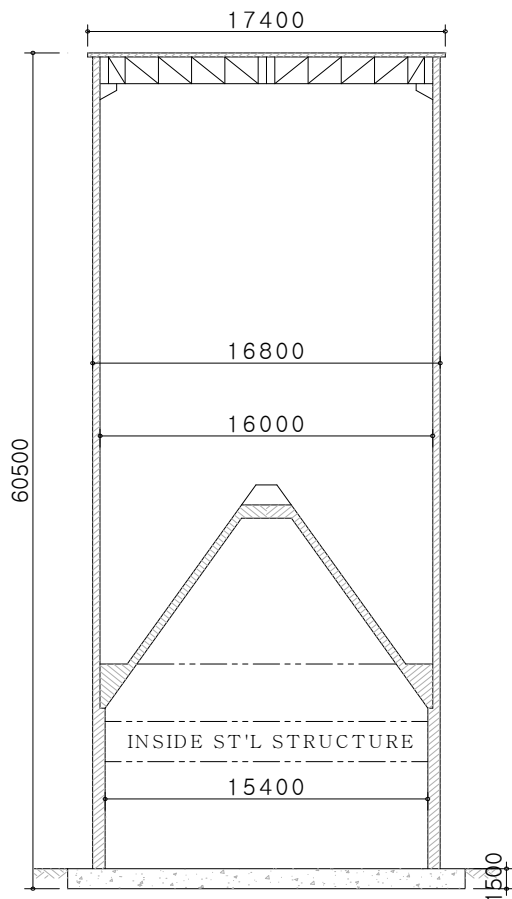
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Bish Cement – Cement Silo (Saudi Arabia)
(11.'94~02.'96)





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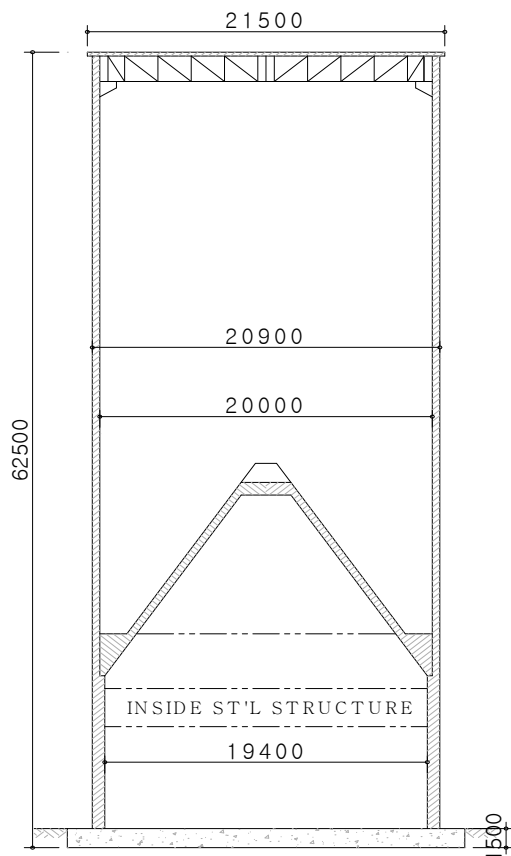
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Bish Cement – Blending Silo (Saudi Arabia)
(11.'94~02.'96)





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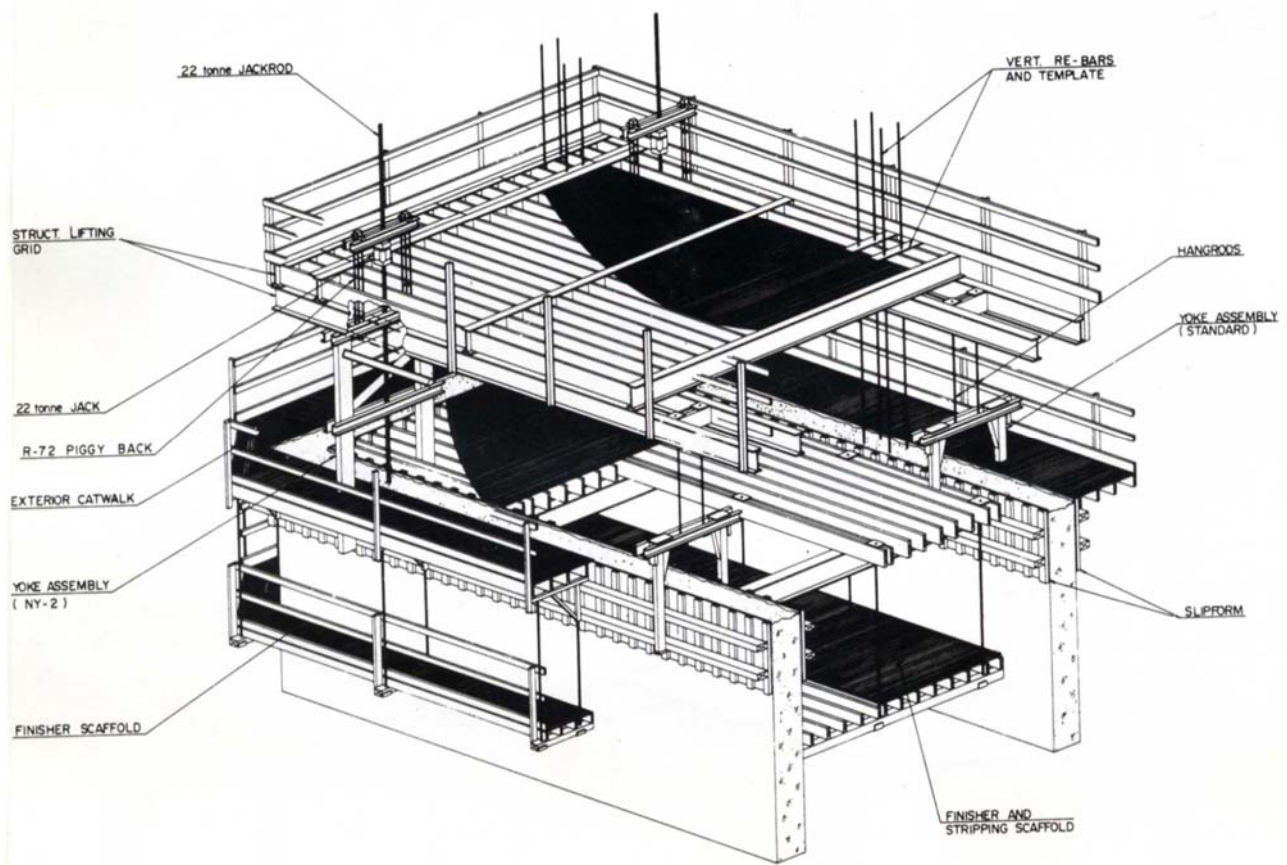
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대치동 삼성중공업 빌딩
Core 선행공법
H:110m - 94' 5.





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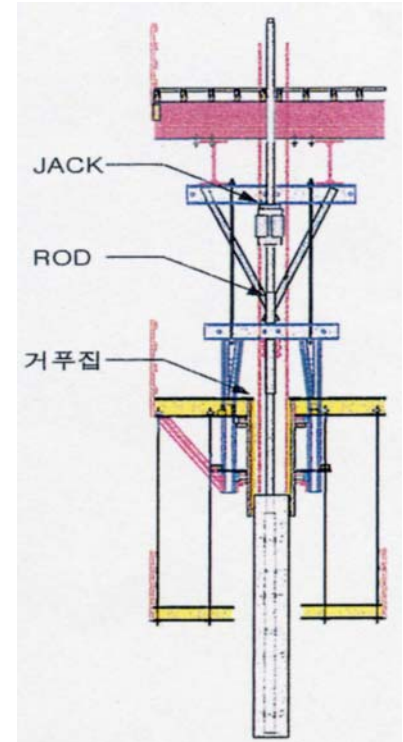
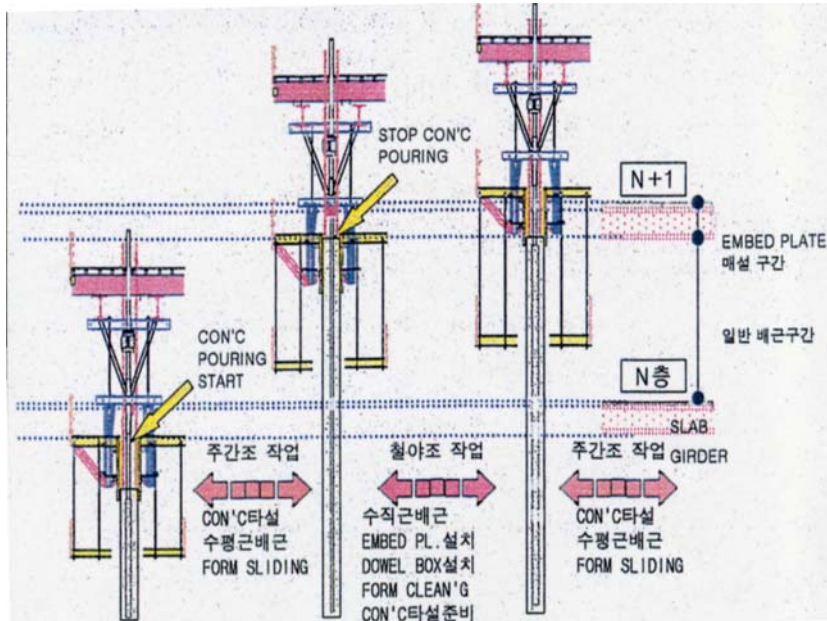
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시공 Sequence



Project : SAMSUNG Dogok-Dong Tower Palace Apartment/Core (High : 245m)
Korea (01.2000~03.2001)



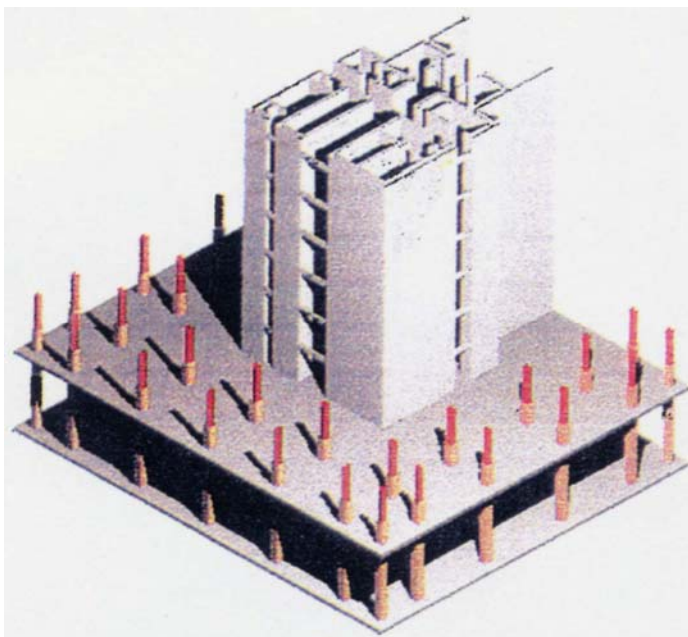
Core 공사 – Slipform

Core 개념도

- Forming up with Concrete pouring that Jack up by Rod.
- Concrete wall 속에 매입되어 있는 Rod 상부의 유압 Jack의 반력을 이용하여 거푸집을 상승하면서 Concrete를 연속 타설하는 방법
- Internal in Korea first used 22ton Jack.
- 국내 최초로 22ton 유압 Jack을 적용.



Core 개념도





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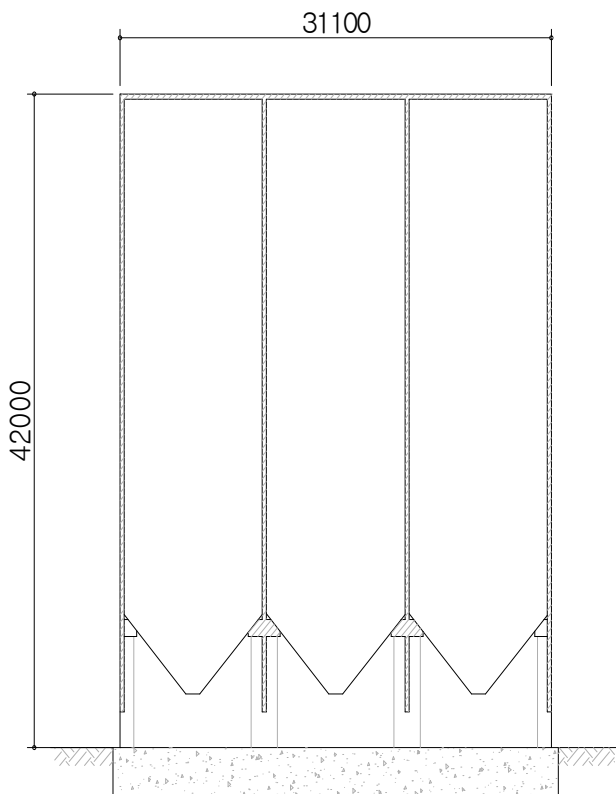
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Incheon Sun Kwang Silo - 32 (Korea)

인천선광 사이로





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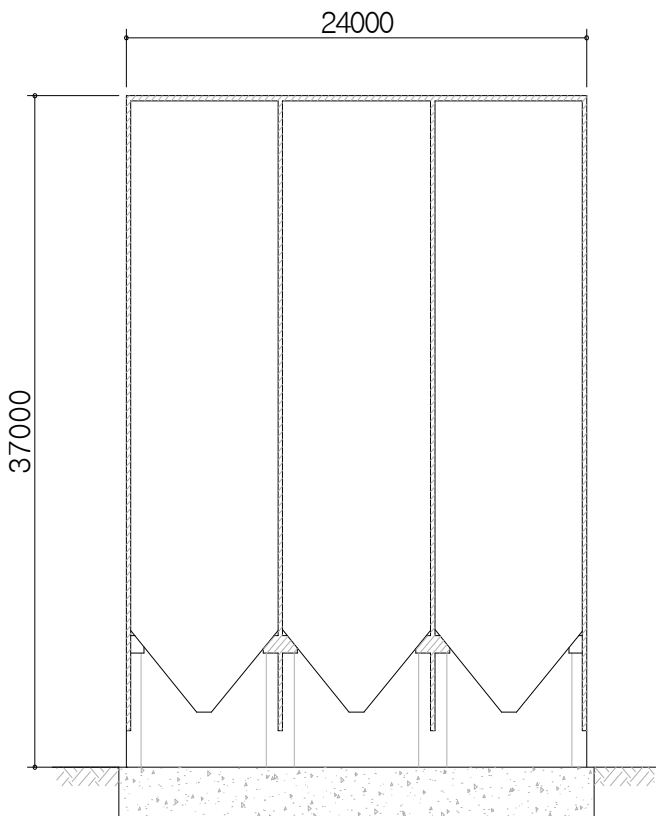
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Hite Beer Hongcheon Silo - 12 (Korea)

하이트 맥주 홍천사이로





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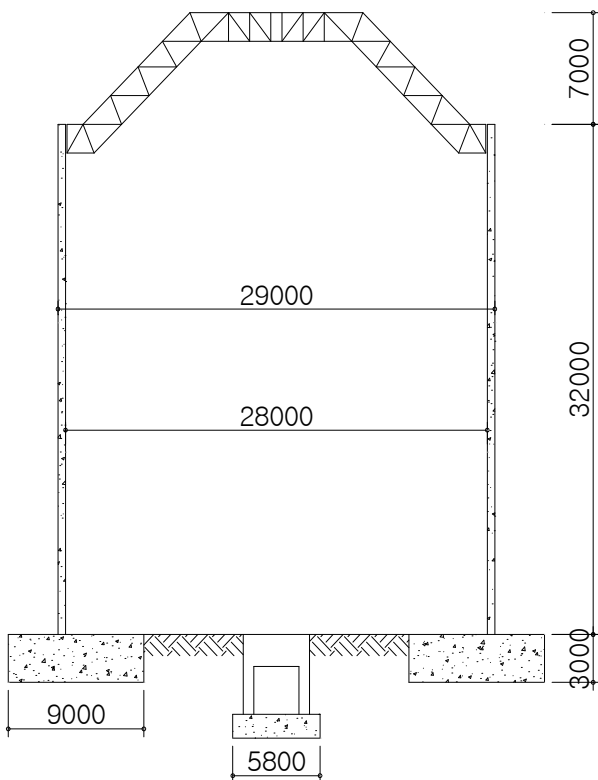
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Install of Clinker Silo roof truss Youngwall Hyundai Cement (Korea)
현대시멘트 영월공장 크랑커 사이로





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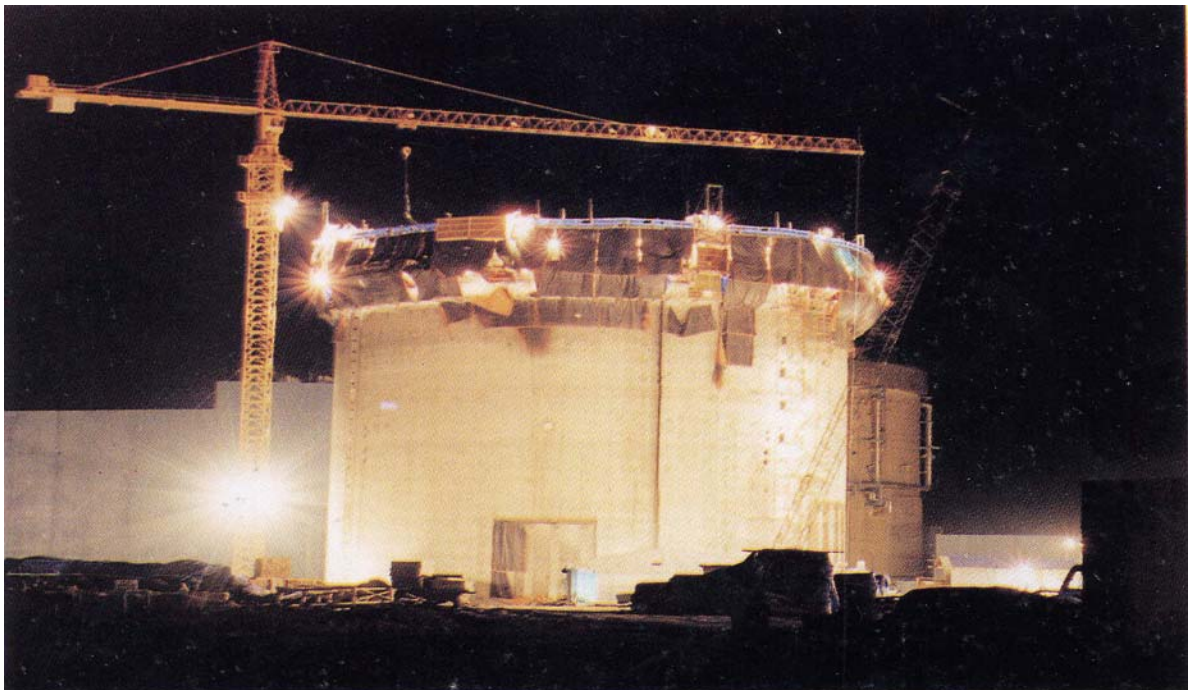
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Wol Sung – 2 Plants (Korea)

월성 원자력 발전소





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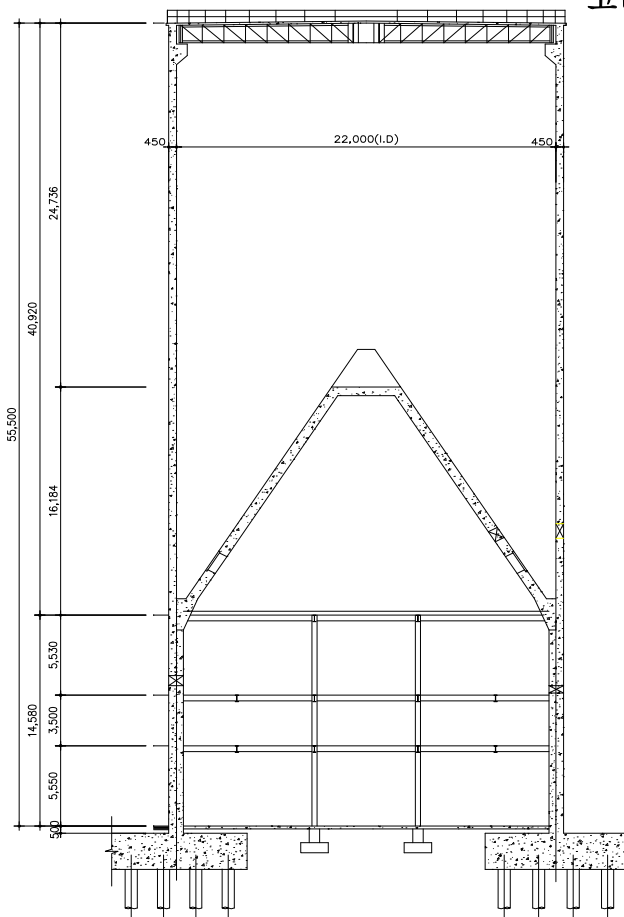
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15,000ton P.C Cement Silo - Korea Cement (Korea)
고려시멘트 광양공장 시멘트 사이로



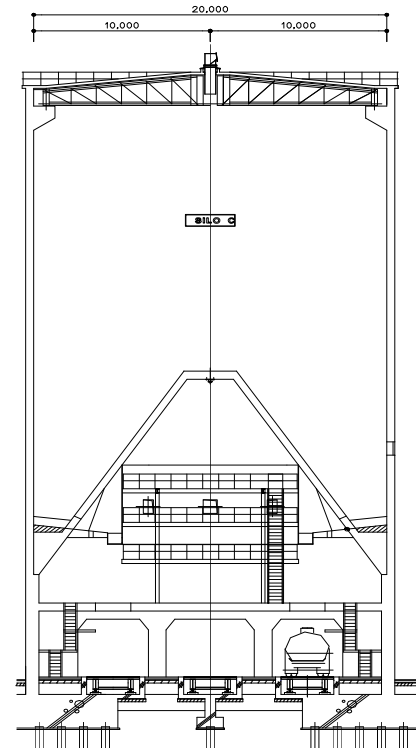


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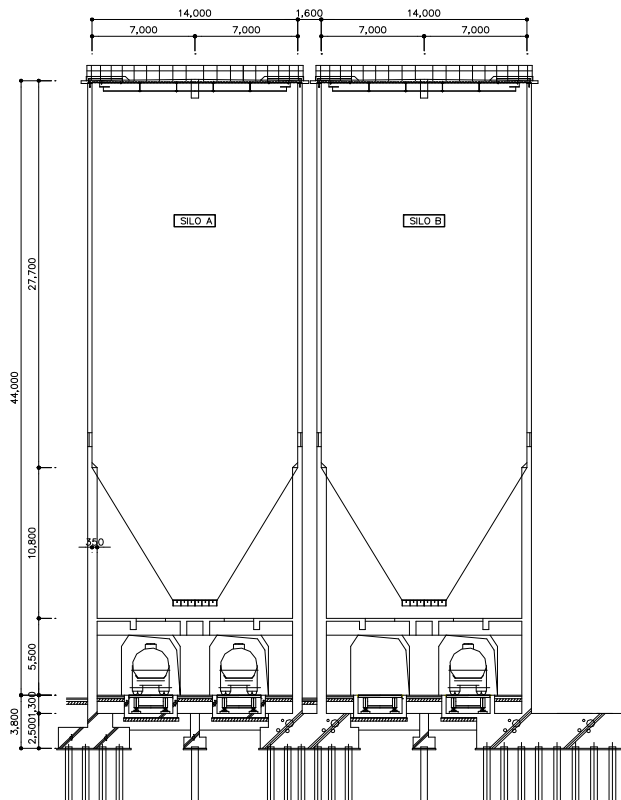
Tel : (02)446-7286~7, Fax : (02)446-7212

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5,000 ton x 2, 10,000 ton Cement Silo x 1 – Aju remicon (Korea) 2004.

아주레미콘 인천 5,000톤 2기, 10,000톤 시멘트 사이로 1기

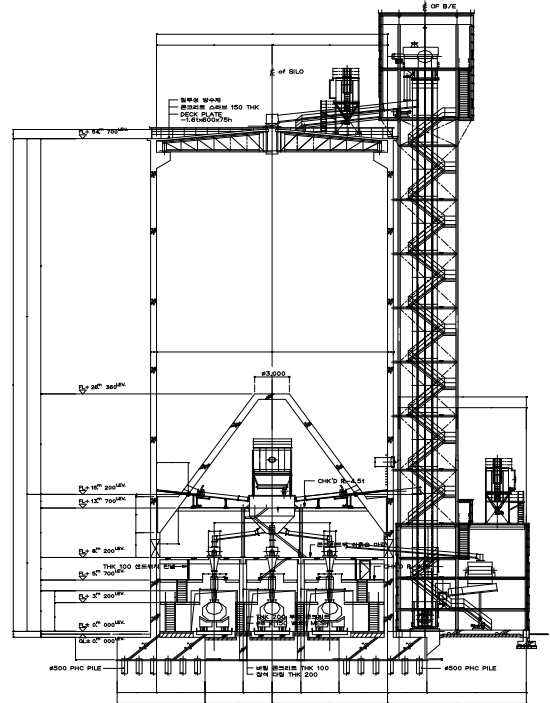




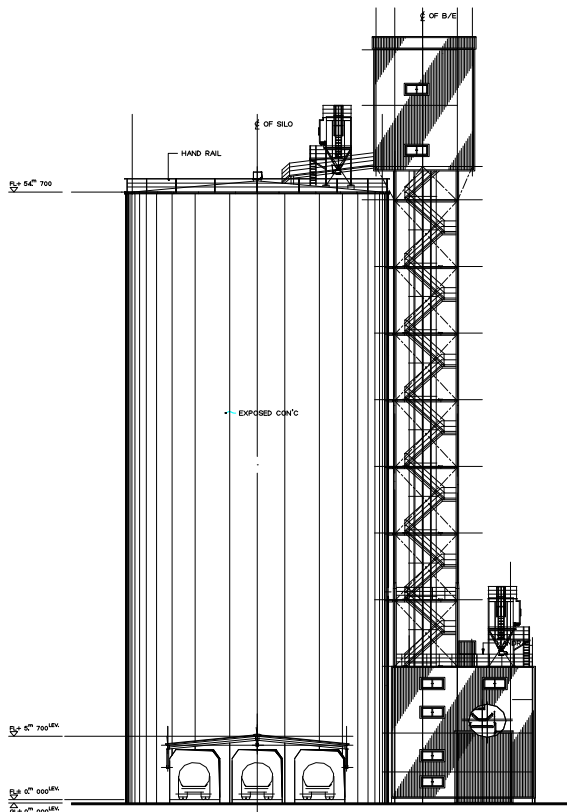
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Ø20.0*54.7m CEMENT Silo 1ea – Ssang Yong Cement (Korea) 2007.



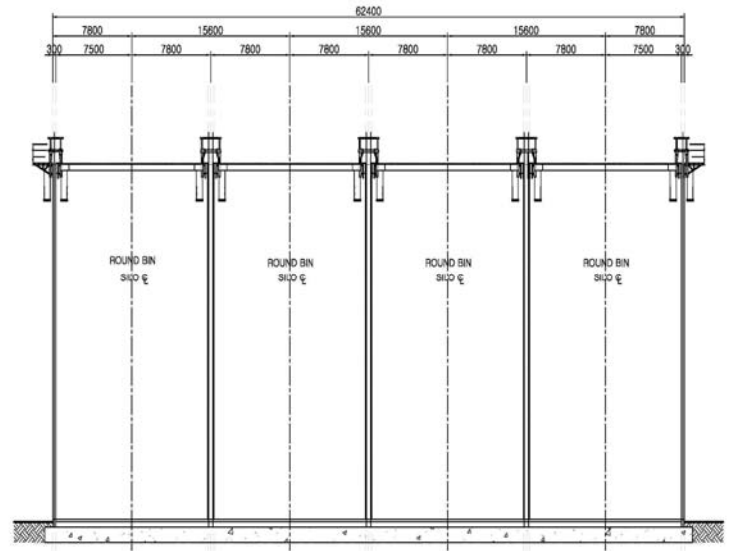


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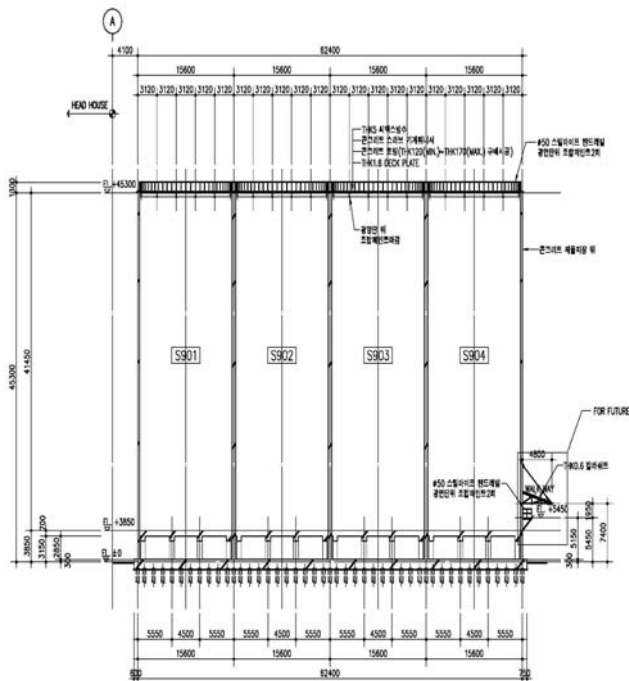
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Ø15.0*45.3m Grain Silo 15ea – Tae Young (Korea) 2008.



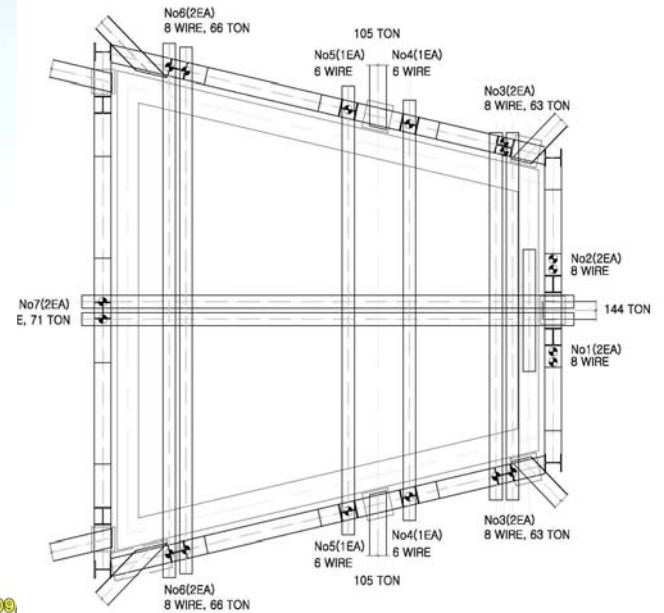


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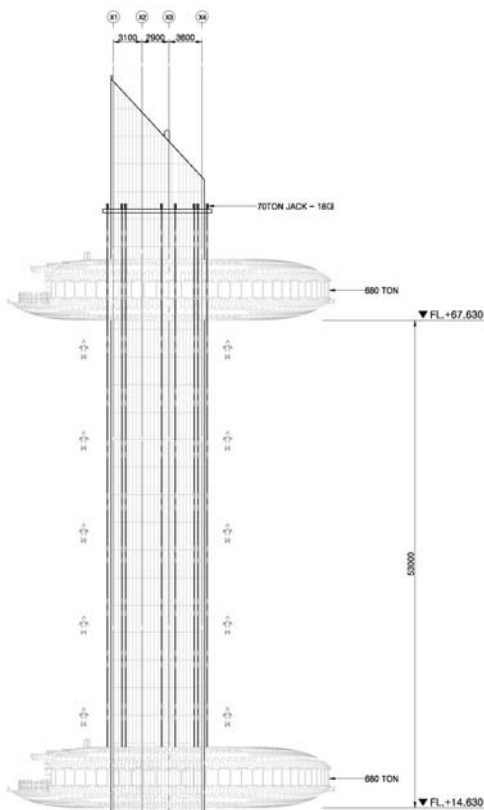
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Alpensia Ski Jump Tower LIFTING-UP (Peongchang) – (680TON*53.0mH)
TaeYoung Co. (Korea) 2008.





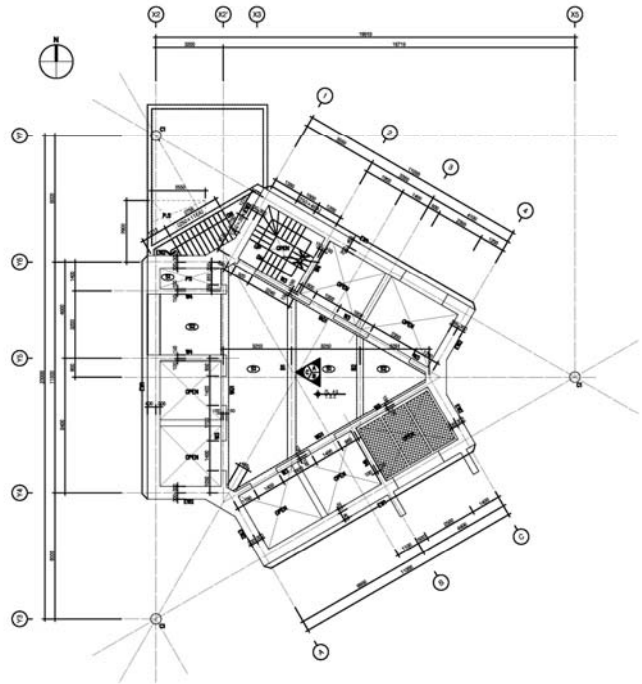
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186.4m HyunDai Elevator Test Tower (Icheon) – HyunDai Co (Korea) 2008.



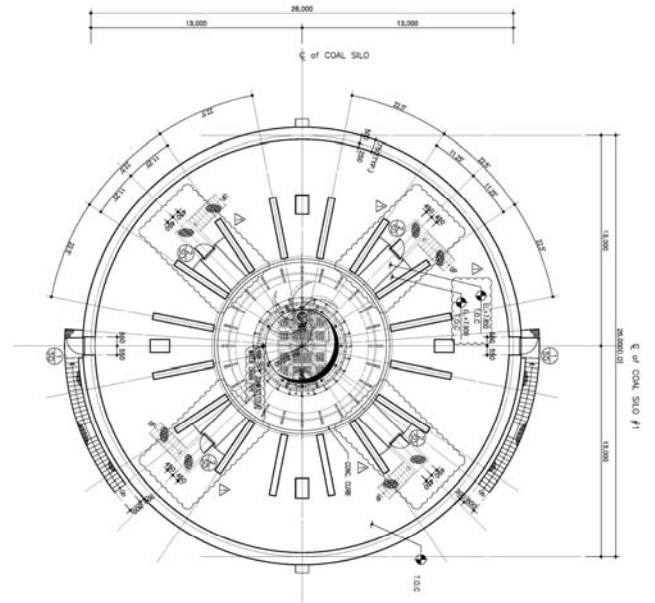


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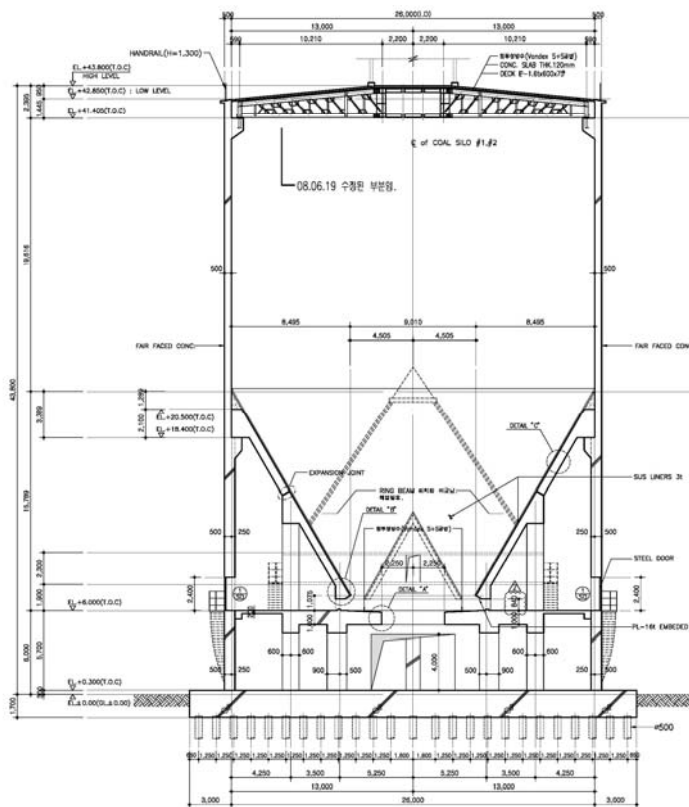
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Ø26.0*43.8m COAL Silo 2ea YeoSu Power Plant – HanWha Co (Korea) 2008.



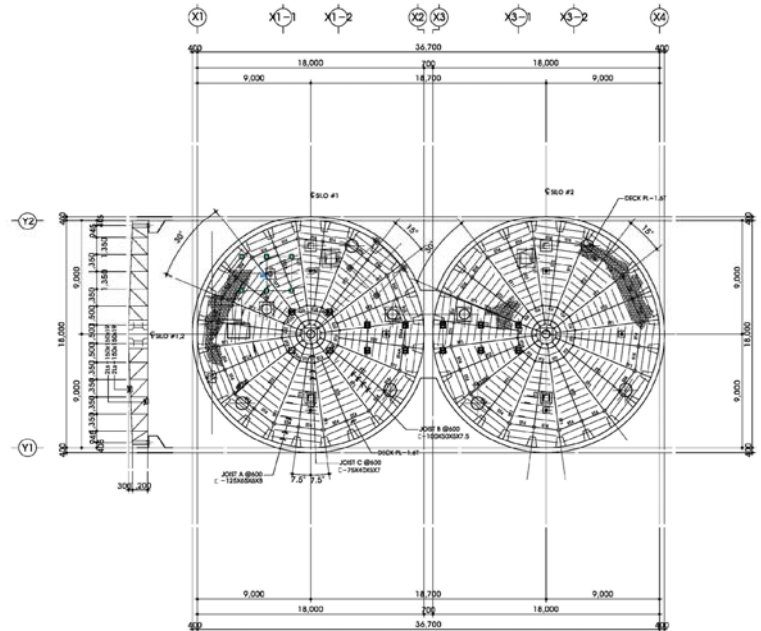


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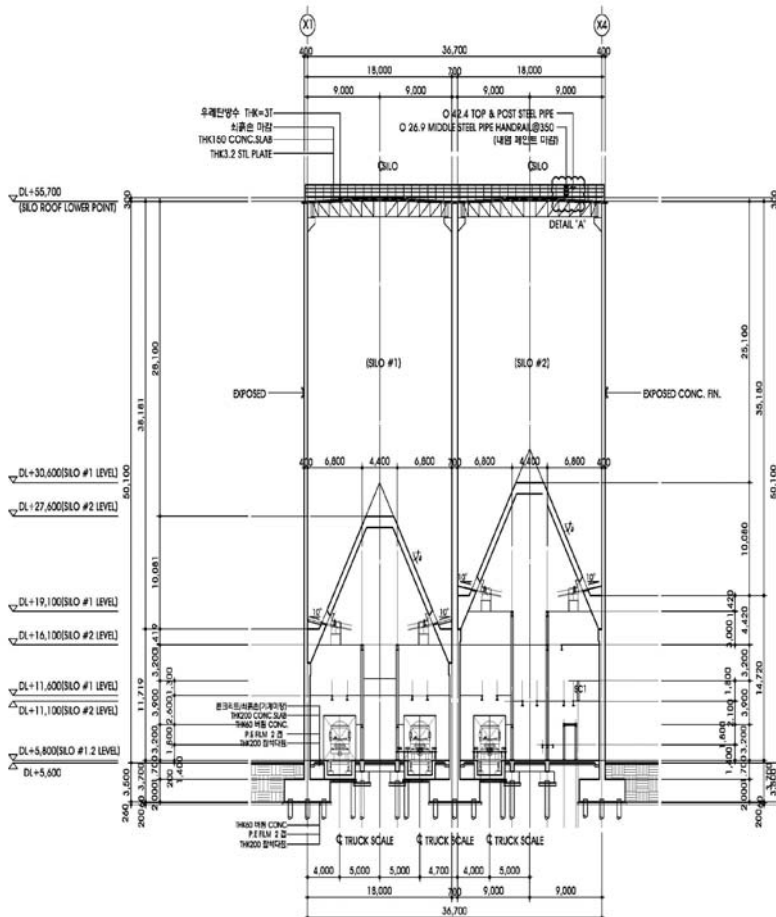
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Ø18.0*51.7Mh 10,000TON CEMENT SILO 2ea(Mokpo) – Halla Co (Korea) 2009.



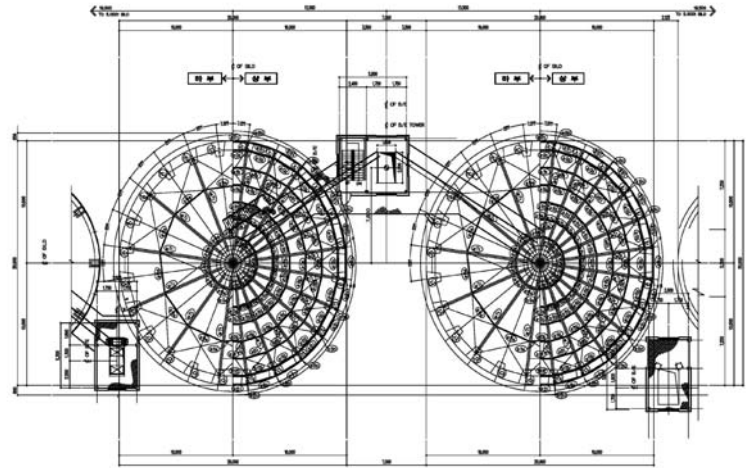


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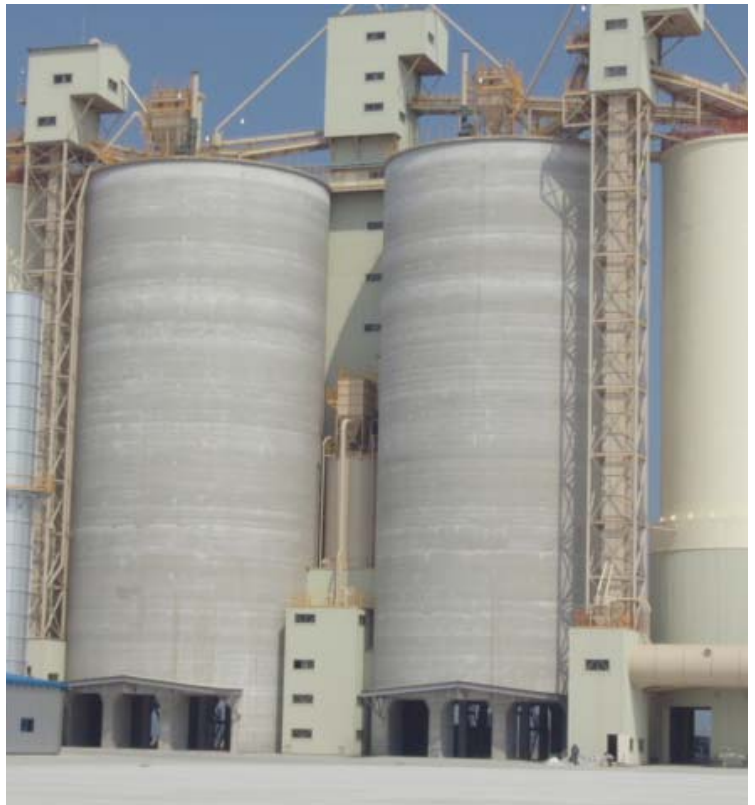
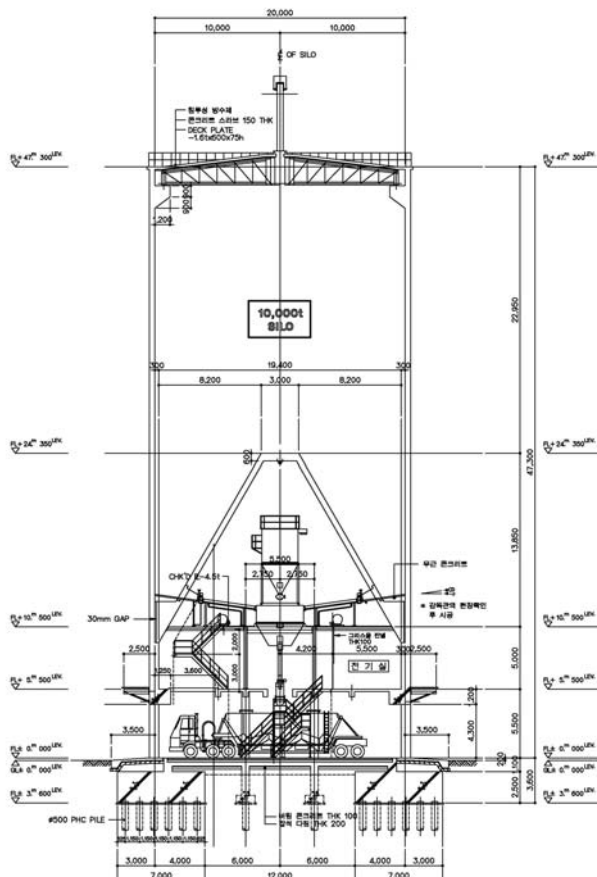
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Ø20.0*47.mH CEMENT SILO 2ea(Pyeongtaek) – Hanil Development (Korea) 2009.



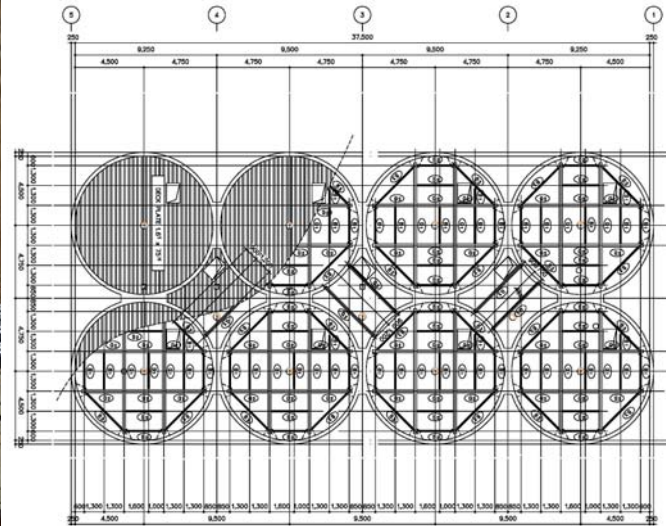


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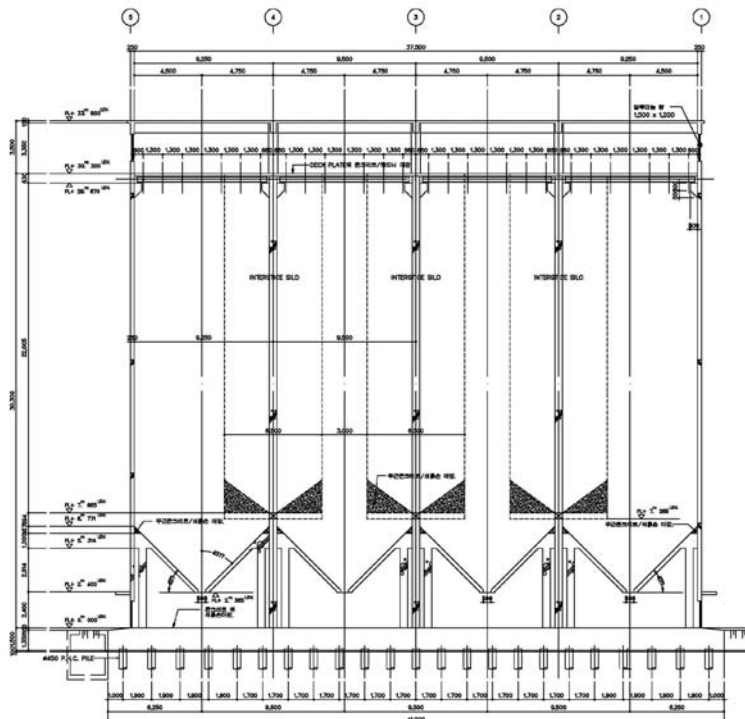
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Ø9.0*33.8mH Grain SILO 8ea(DangJin) – Chinhung International , INC. 2009.



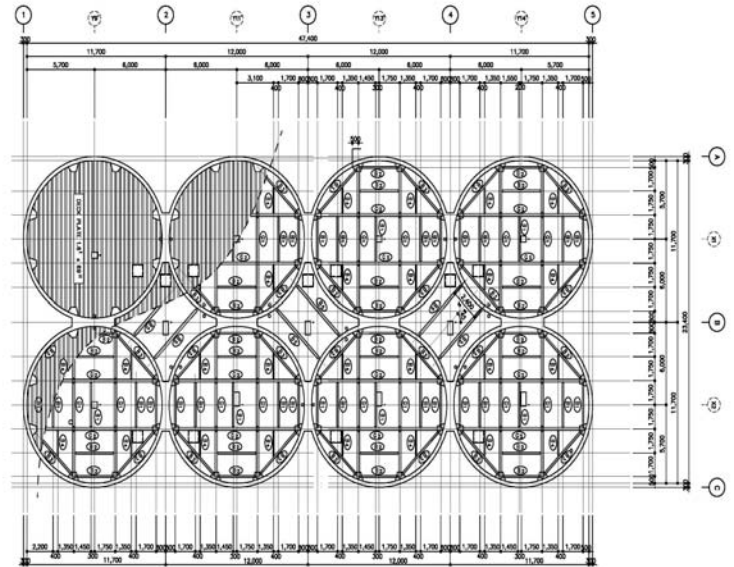


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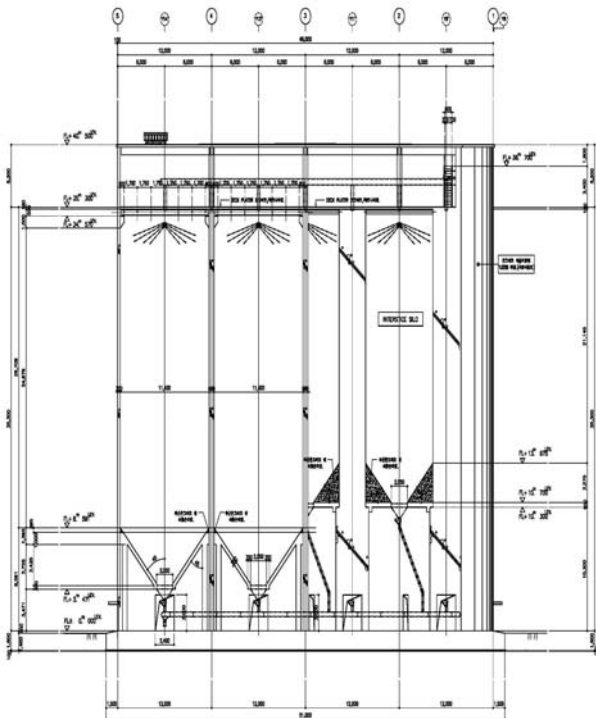
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Ø12.0*40.5mH Grain SILO 8ea(Asan) – Seohee Construction 2010.



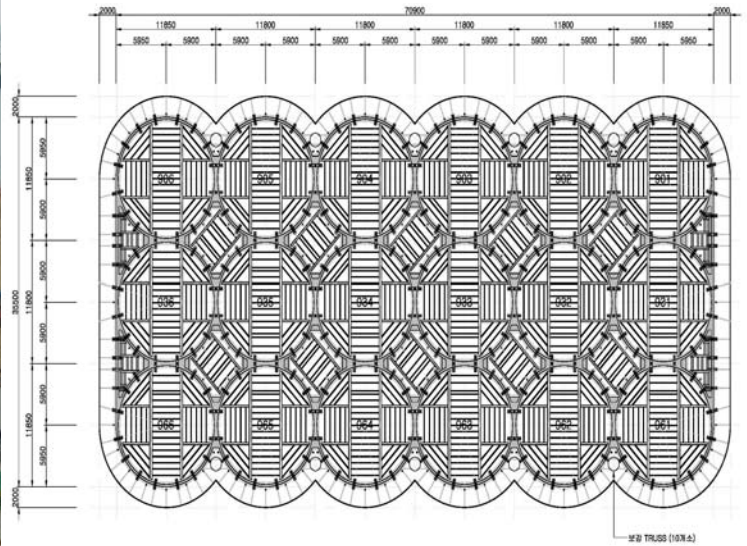


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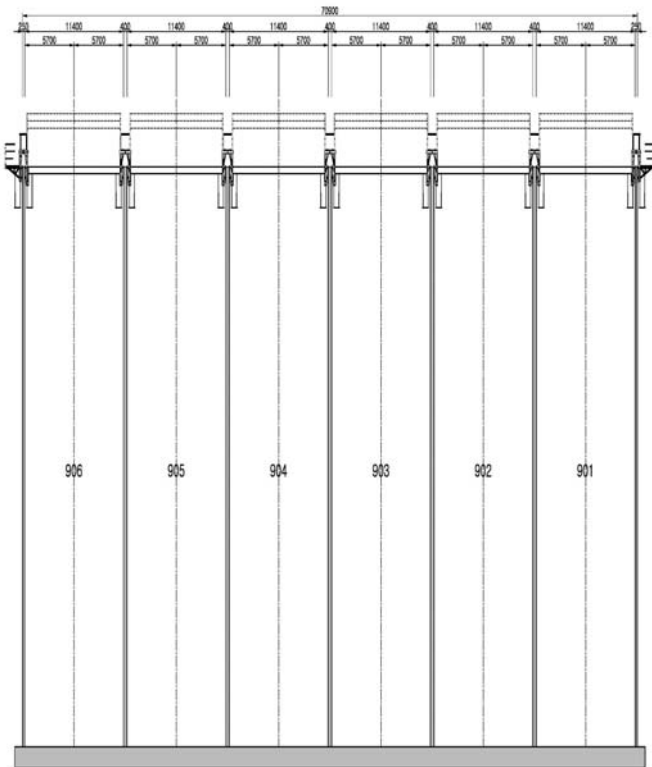
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Ø11.8*56.25mh Grain SILO 72ea(Pyeongtaek) – Korea Development Corporation 2010.



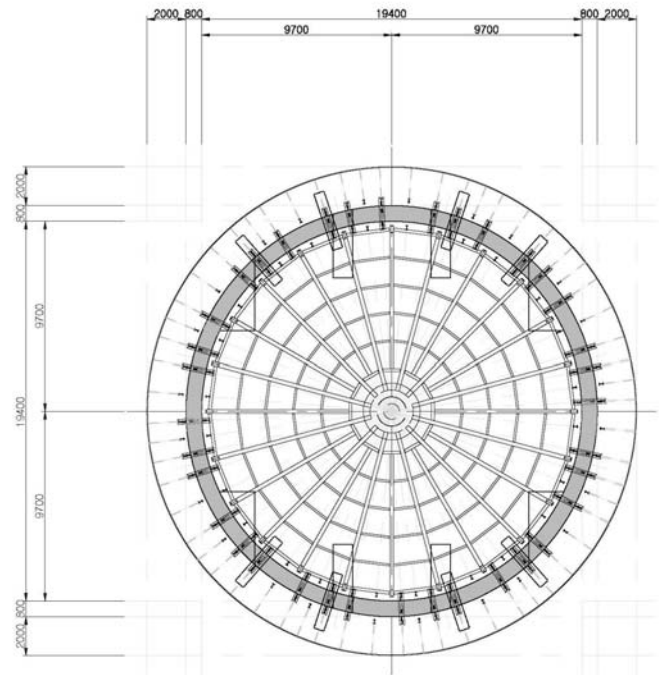


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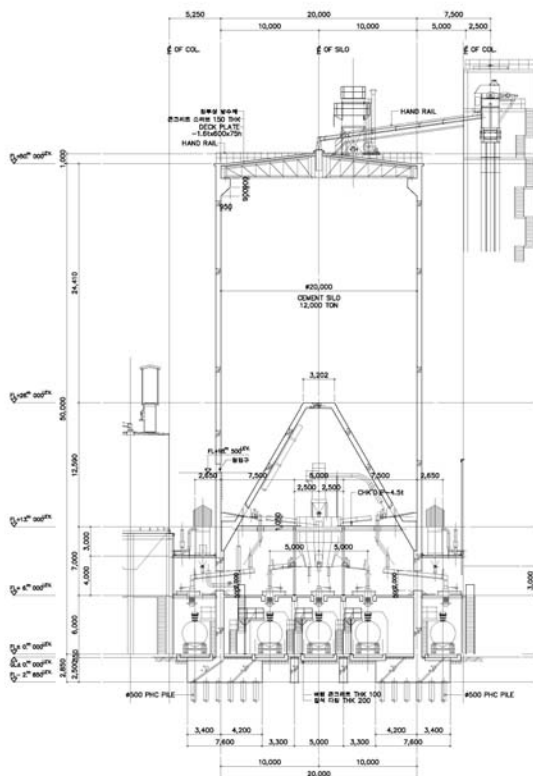
341-12, Kwangchaang-Dong, Kwangjin-Ku
Seoul, Korea(Dae Kwang Building)

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Ø20.0*50.00mh SLAG SILO 1ea (Pyeongtaek) – Hyundai Cement 2011.



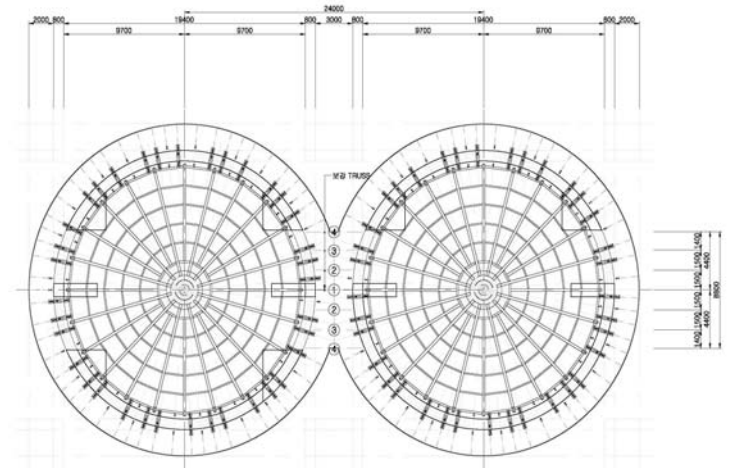


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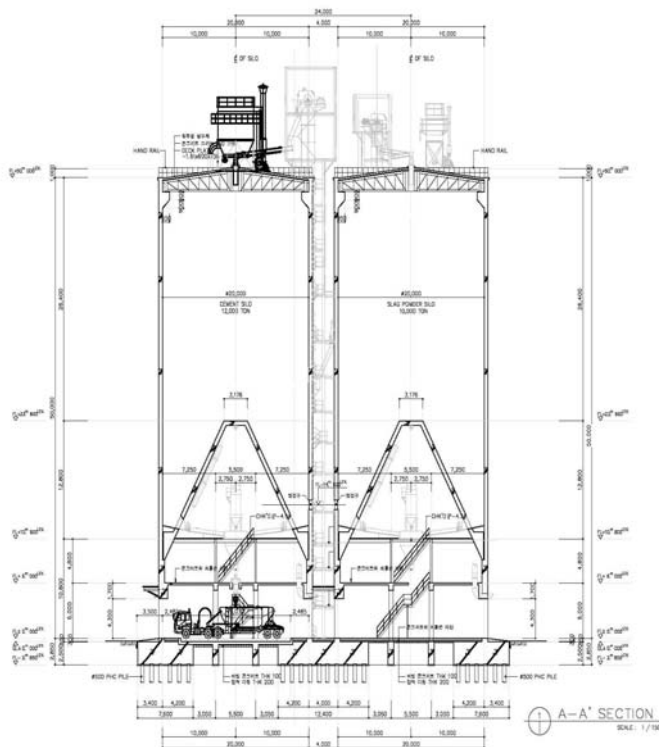
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Ø20.0*50.00mh CEMENT SILO 2ea (Pyeongtaek) – Hyundai Cement 2011.



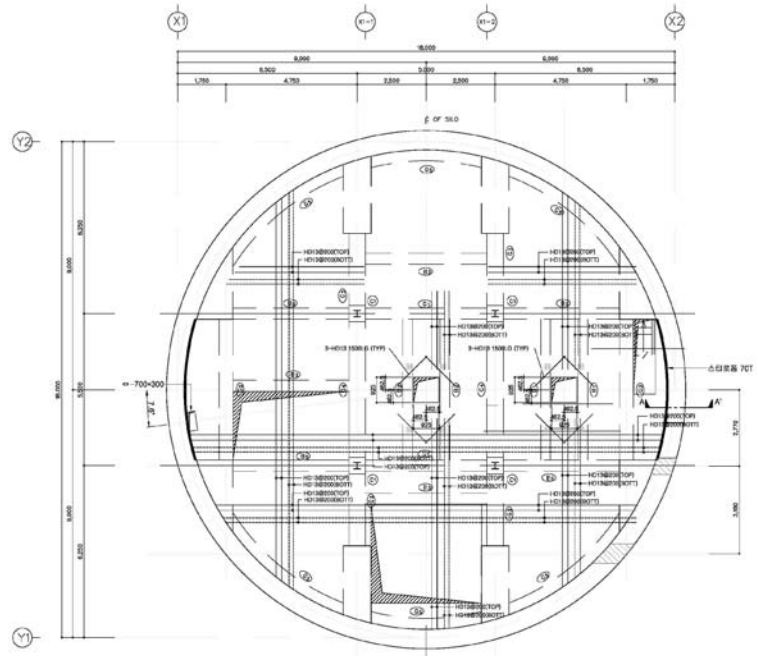


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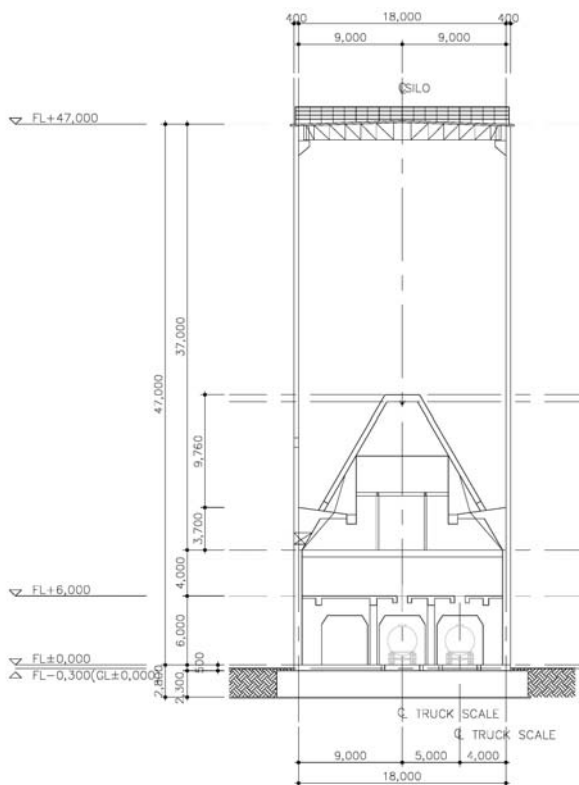
341-12, Kwangchaang-Dong, Kwangjin-Ku
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Ø18.0m*47.0mH CEMENT SILO 1EA (Dongjin) – KO YEU CEMENT 2013.



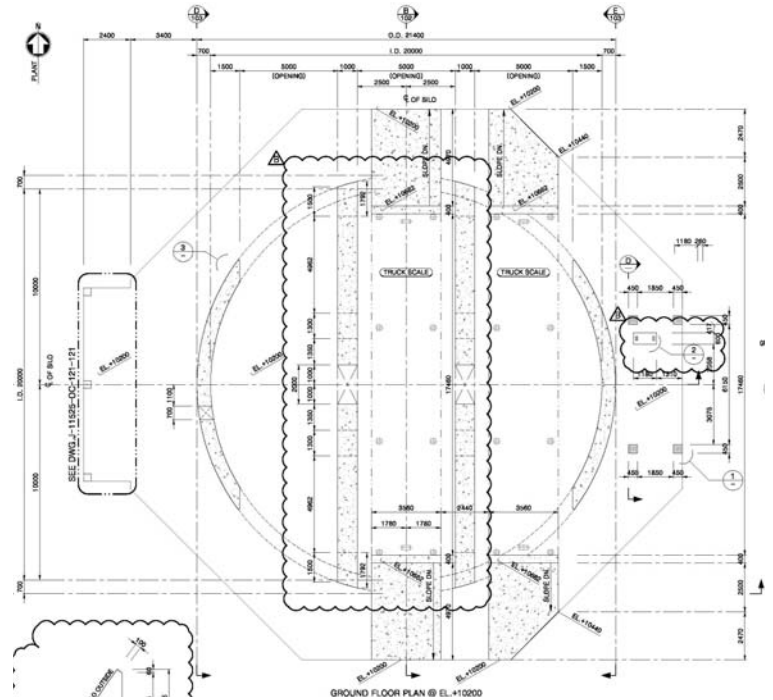


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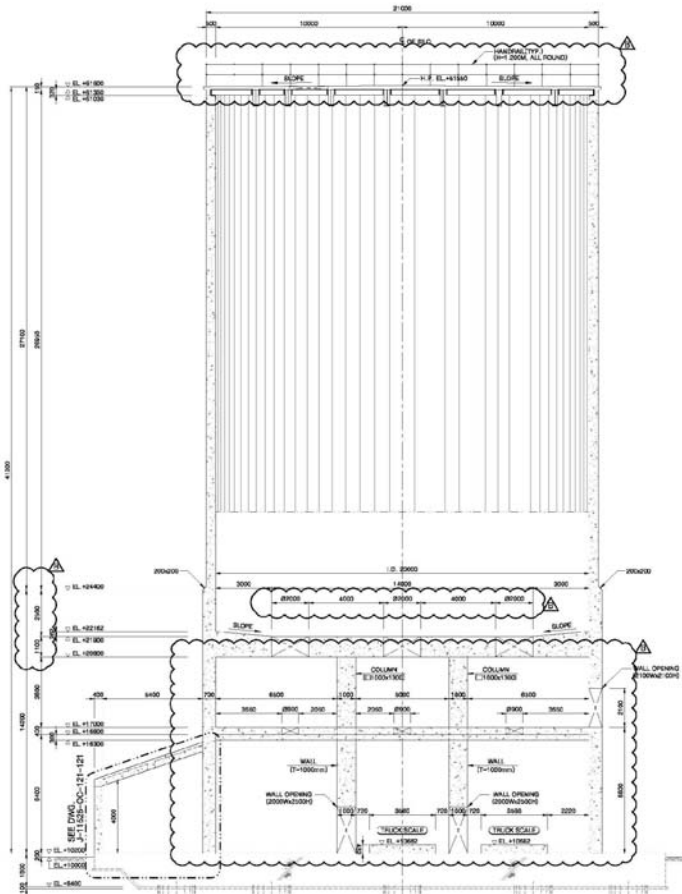
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Ø20.0m*41.15mH BOTTOM ASH SILO 1EA (Samchuk) – KC COTTRELL 2015.



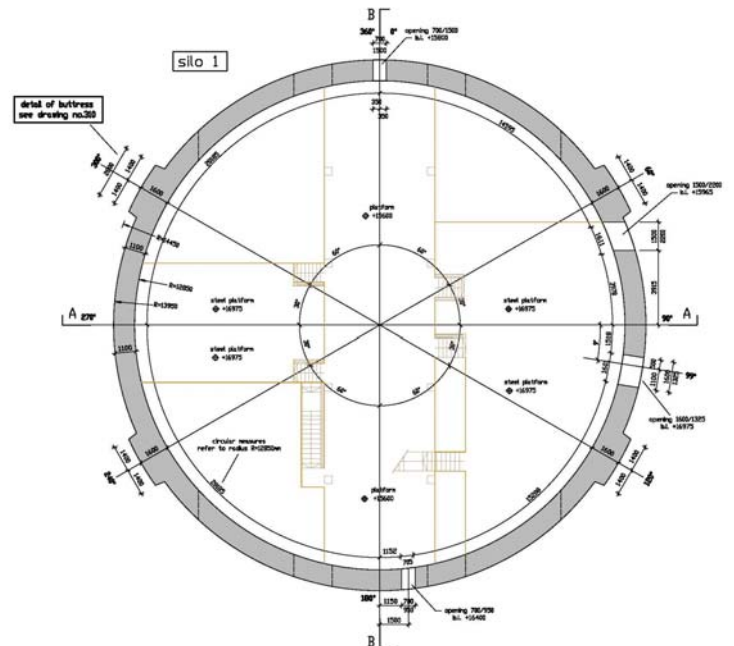


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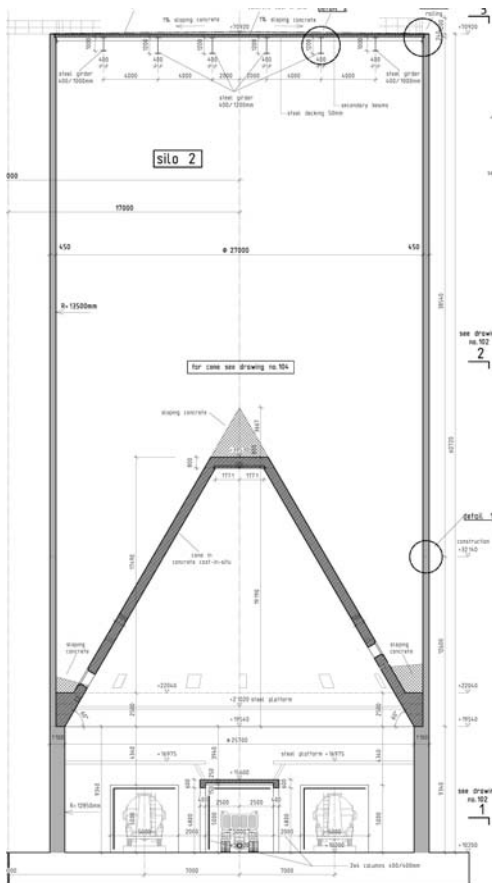
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Ø27.0m*60.72mH FLY ASH SILO 27 (Samchuk) – KC COTTRELL 2015.



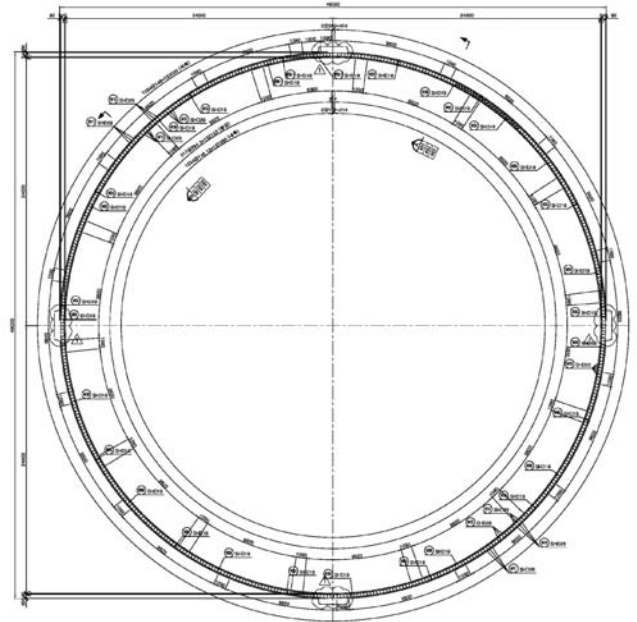


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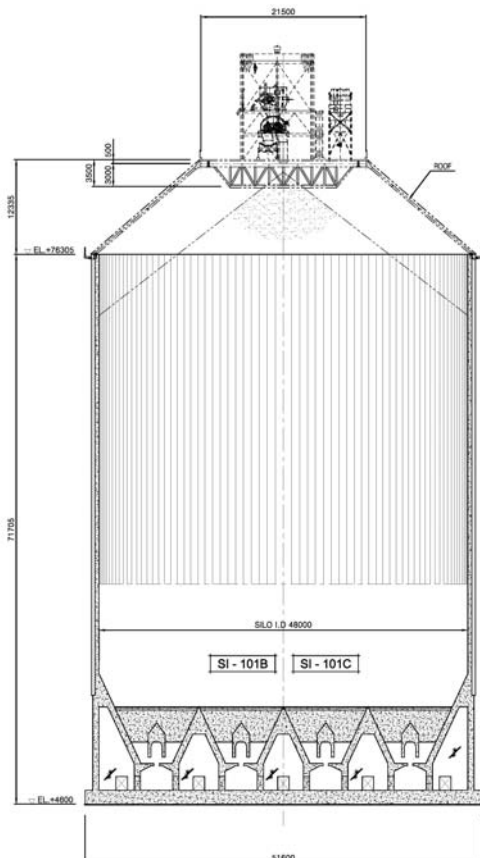
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Ø48.0m*53.17mH CEMENT SILO (Hadong) – HAN JIN HEAVY,CONSTR.CO 2013.



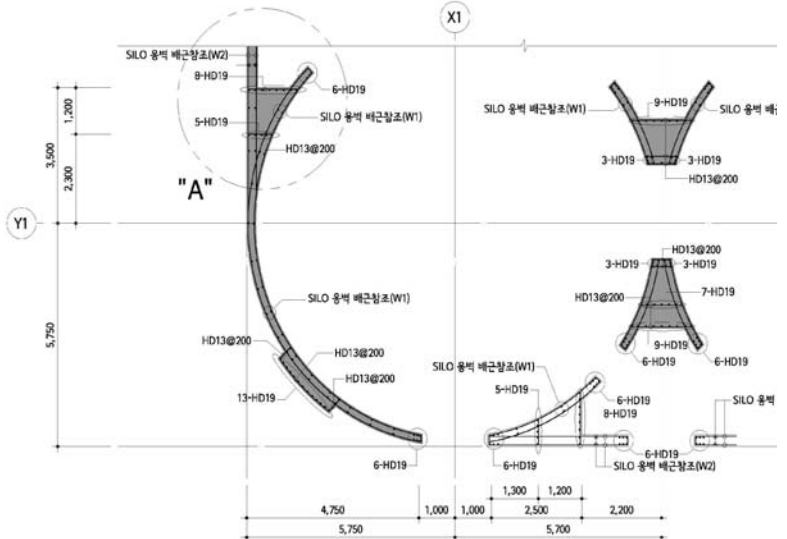
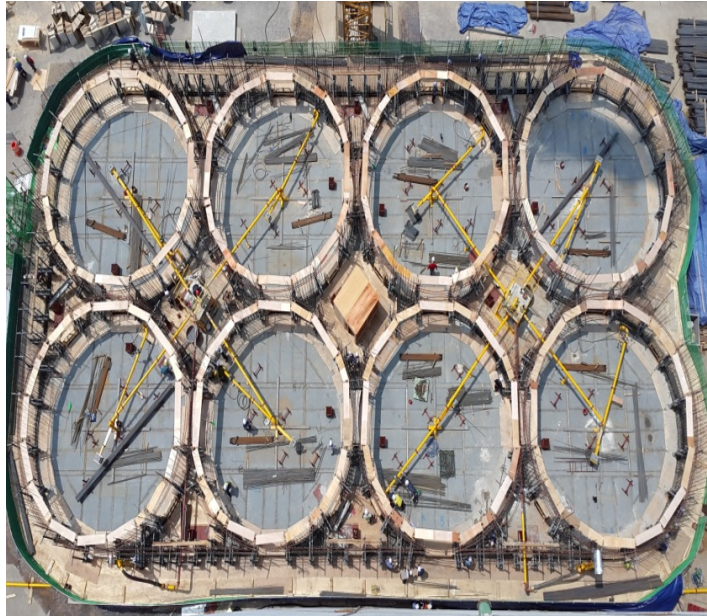


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Ø11.0m*56.25mH GRAIN SILO 8EA (Incheon) – DONGHWA ENC 2015.

