

- NOTES :
1. ALL DIMENSION ARE IN MILLIMETERS-U.N.O
  2. STOCKPILE MATERIAL NEED TO BE VERIFIED
  3. CV01-CV05 ARE UNLOADING CONVEYOR
  4. UNLOADING SYSTEM USING DUMP TRUCK VIA RAMPDOORT

PLAN GENERAL LAY OUT  
SCALE 1:2500

PRELIMINARY ONLY  
NOT FOR CONSTRUCTION

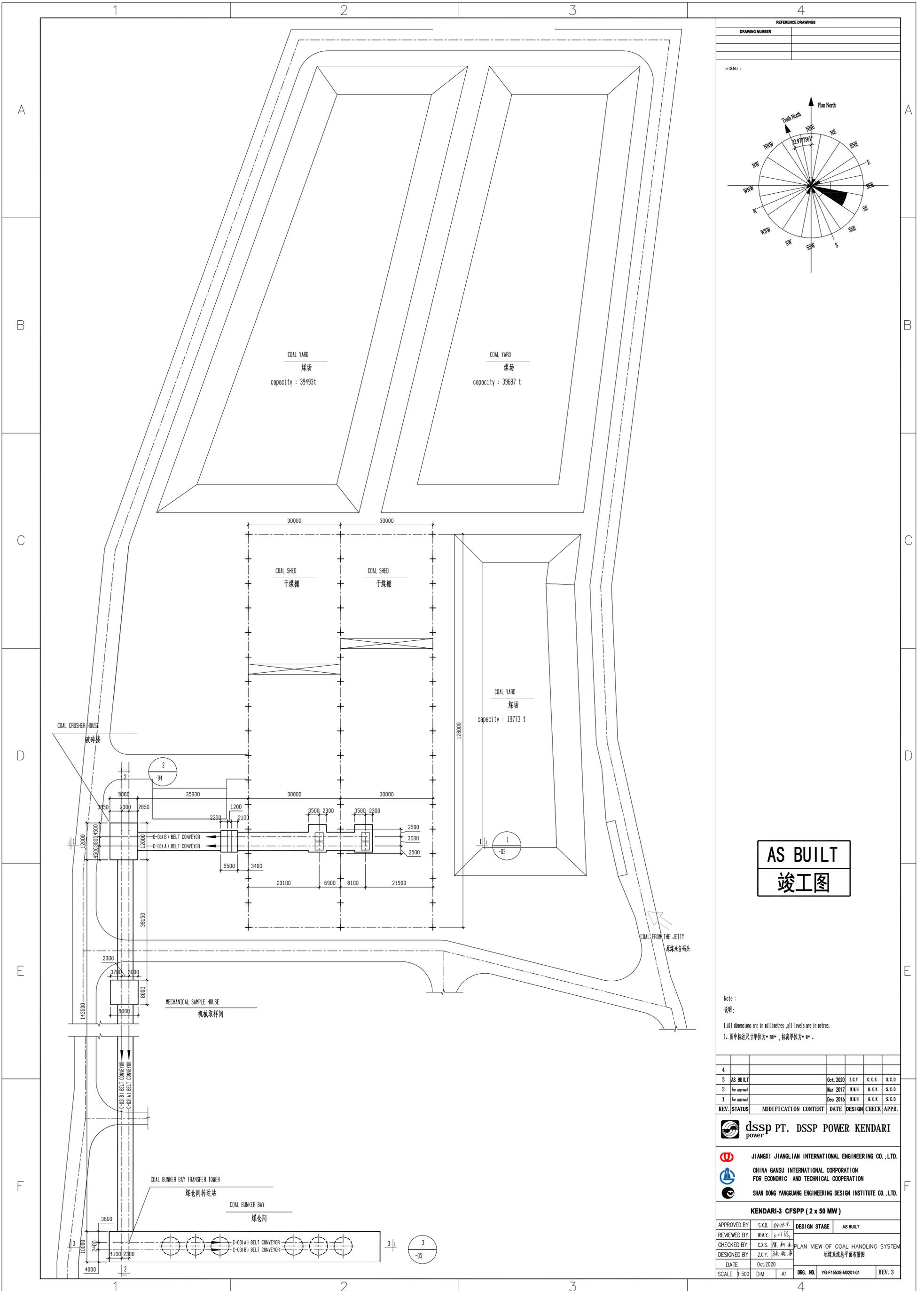


PT. DSS  
JETTY LOADING AND UNLOADING MATERIALS  
PT.DSS POWER KENDARI  
KONAWA SELATAN SULAWESI TENGGARA

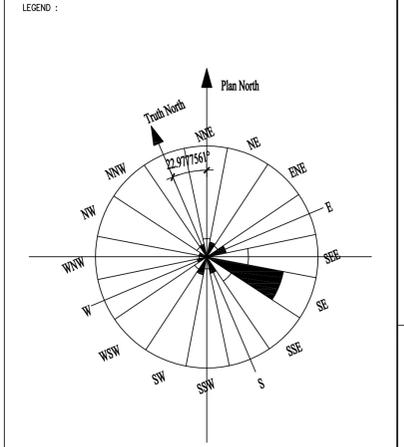
REV	REVISION NOTE	BY	DATE	SIGNATURE	DECODE
R7	REVISED AT CENTERLINE CONVEYOR				

NO.	DATE	BY	CHKD.	APPV.	SCALE	PROJ.	REV
001	1.000				1:2500	PT. DSS POWER	R7

E:\XX\Project For Process\313\PT.DSS\POWER-Konawe Selatan\Siting\B Drawing\01 Preliminary\01.Preliminary\01.Preliminary\01.DSSP-01-10-1A.R3 GENERAL LAY OUT.dwg 28.10.15



REFERENCE DRAWINGS			
DRAWING NUMBER	DATE	DESIGN	CHECK



**AS BUILT**  
**竣工图**

Note :  
说明:  
1. All dimensions are in millimetres, all levels are in metres.  
1. 图中标注尺寸单位为“mm”, 标高单位为“m”.

REV.	STATUS	MODIFICATION CONTENT	DATE	DESIGN	CHECK	APPR.
4						
3	AS BUILT		Oct. 2020	Z.C.Y.	C.X.S.	S.X.D
2	For approval		Mar 2017	W.W.H	G.X.K	S.X.D
1	For approval		Dec 2016	W.W.H	G.X.K	S.X.D

**dssp PT. DSSP POWER KENDARI**  
power

**JIANGXI JIANGLIAN INTERNATIONAL ENGINEERING CO., LTD.**  
**CHINA GANSU INTERNATIONAL CORPORATION**  
FOR ECONOMIC AND TECHNICAL COOPERATION

**SHAN DONG YANGGUANG ENGINEERING DESIGN INSTITUTE CO., LTD.**

KENDARI-3 CFSPP (2 x 50 MW)			
APPROVED BY	S.X.D. 孙晓东	DESIGN STAGE	AS BUILT
REVIEWED BY	W.W.Y. 王巍巍	PLAN VIEW OF COAL HANDLING SYSTEM	
CHECKED BY	C.X.S. 陈旭生	运煤系统总平面布置图	
DESIGNED BY	Z.C.Y. 张成义	DATE	Oct. 2020
SCALE	1:500	DWG. NO.	YG-F1553S-M0201-01
		REV.	3

GENERAL DESCRIPTION	
EQUIPMENT/ TYPE	DUMP RECLAIMER / HOPPER
CONCEPT DESIGN	Drop Bulk Material from Stockpile Into Coveyor with incline angle at loading 16°
	Connect with Dumping Hopper for Feed Material
	Double Pitch of heavy duty chain -type fitted with fabricated flight pans for feeding material
	Driving System using Double Strand Chain and Sprocket
RECLAIM FEEDER	
DIMENSION (mm)	12238 (L) x 10427 (W) x 2980 (H)
MATERIAL HANDLED	COAL ROM
BULK DENSITY (Kg/m <sup>3</sup> )	850-1000
SURCHARGE ANGLE	20°
DESIGN CAPACITY (T/H)	UP TO 1500 and set 500 T/H
GATE OPENING (mm)	UP TO 600 and set 310 mm Opening
LIFT (mm)	1415
INCLINATION	16°
DRAG SYSTEM	SALCHAIN Double Pitch VCN 150 4" & 3" Fitted Flightbar
DRIVING SYSTEM	Sprocket and Chain ANSI RS-140 Double Strand RS 140, Ratio (i) = 26 Teeth Drive/48 Teeth Driven with Link Length 6 m
DRIVE MOTOR	Siemens Motor 75 kW, IP55, 280S 1485 rpm, 4 Pole, 400/690 V, Class F, 3 Phase
GEARBOX	Flender Gear Unit H2SA06A, Solid Shaft/CCW, Helical Gear Unit Type With Ratio (i) = 20n2 = 76,9 rpm
COUPLING	Torsional Rigid Coupling ZAPEX ZNN 130-B with Rates Torque 4020 Nm
DUMP HOPPER	
HOPPER TYPE	Right Prism Hopper
VOLUME CAPACITY (m <sup>3</sup> )	10,5 m <sup>3</sup> Hopper Volume with 7,3 m <sup>3</sup> Truck Dumping
FRAME CONSTRUCTION (mm)	5236 (L) x 2026 (W) x 1688 (H)
LINING / IMPACT PLATE (mm)	HARDOX 400 With 8 mm Thickness

**CONTRACTOR DOCUMENT REVIEW**

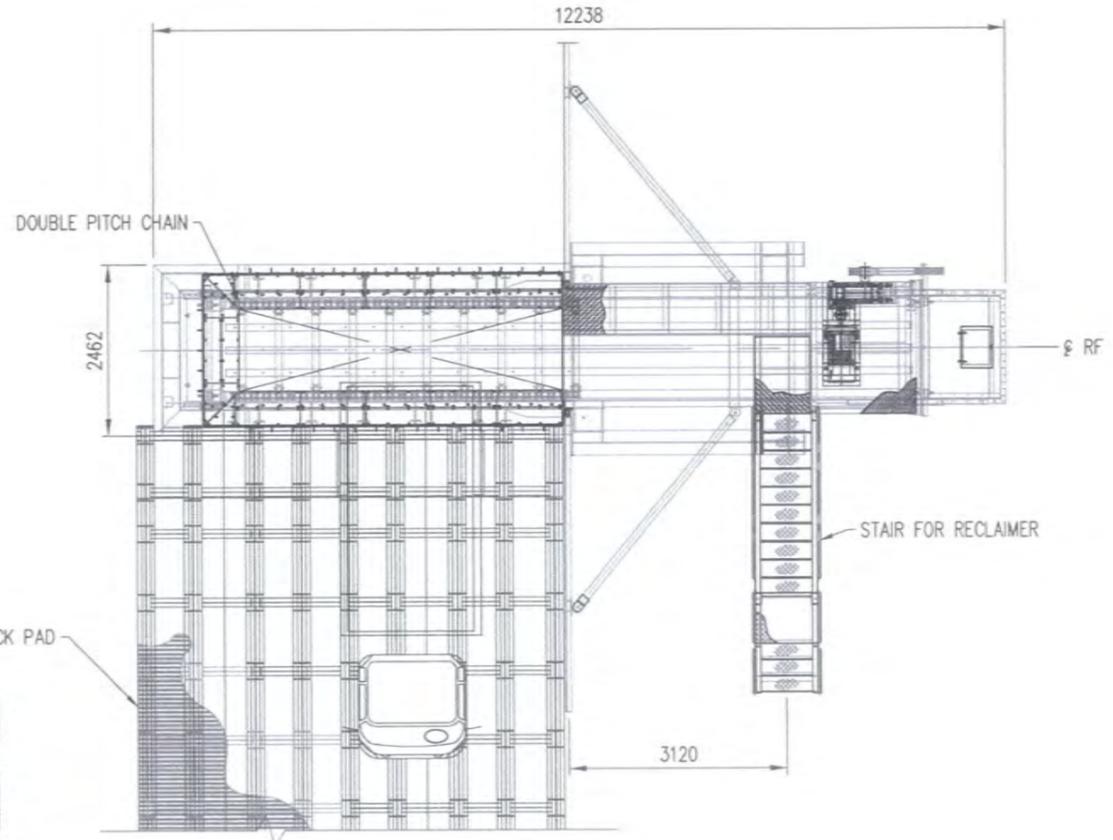
NO EXCEPTION TAKEN     MAKE CORRECTIONS NOTED  
 REJECTED                     REVISE AND RESUBMIT

**aurecon**

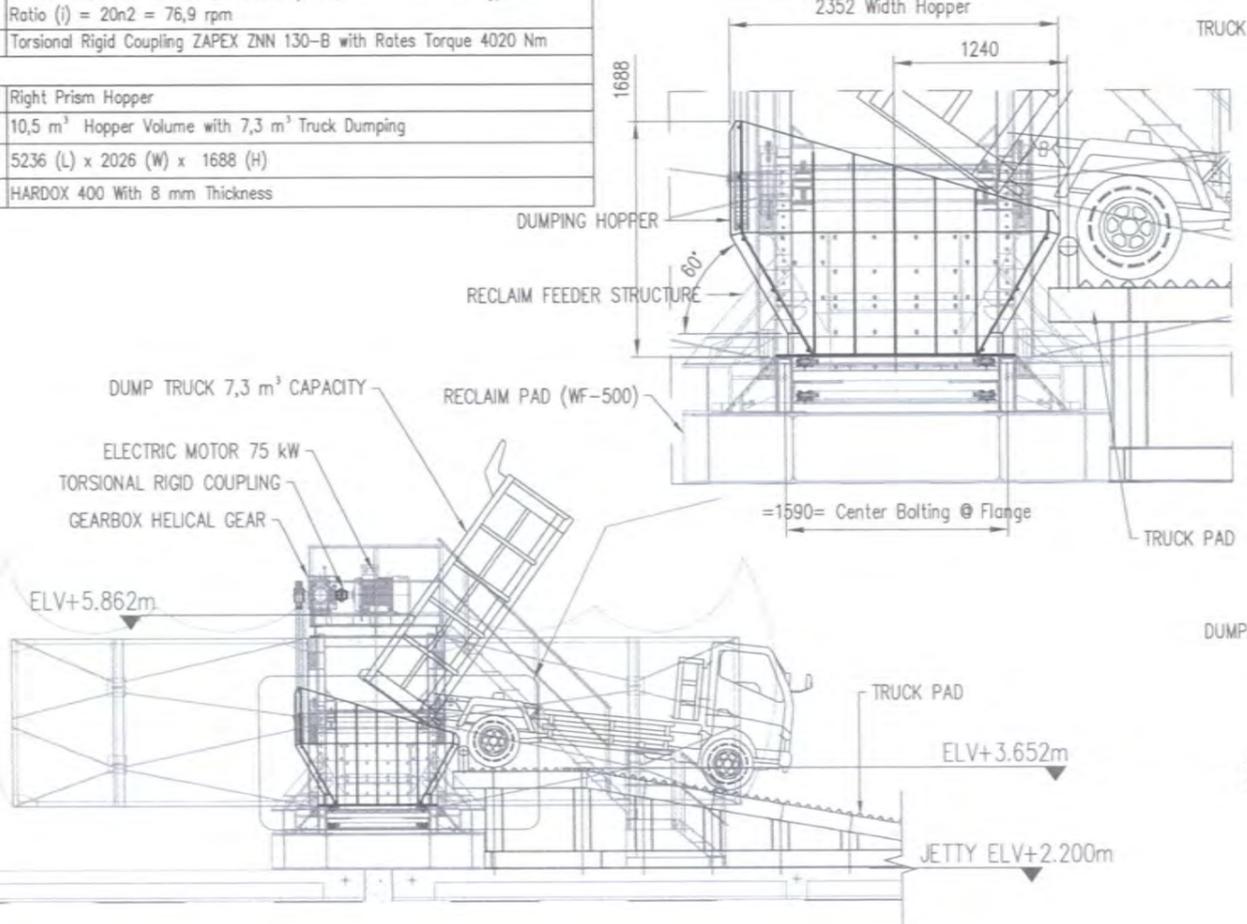
PT. AURECON INDONESIA  
 Alamanda Tower 24th Floor Unit C  
 Jl. T.B. Simatupang Kav. 23-24  
 Cilandak Barat, Jakarta 12430 Indonesia  
 Email: pt.aurecon@pt.aurecon.com

BY: **HBS**  
 DATE: **17-02-2017**  
 PROJECT NO: **20738**  
 DATE RECEIVED:

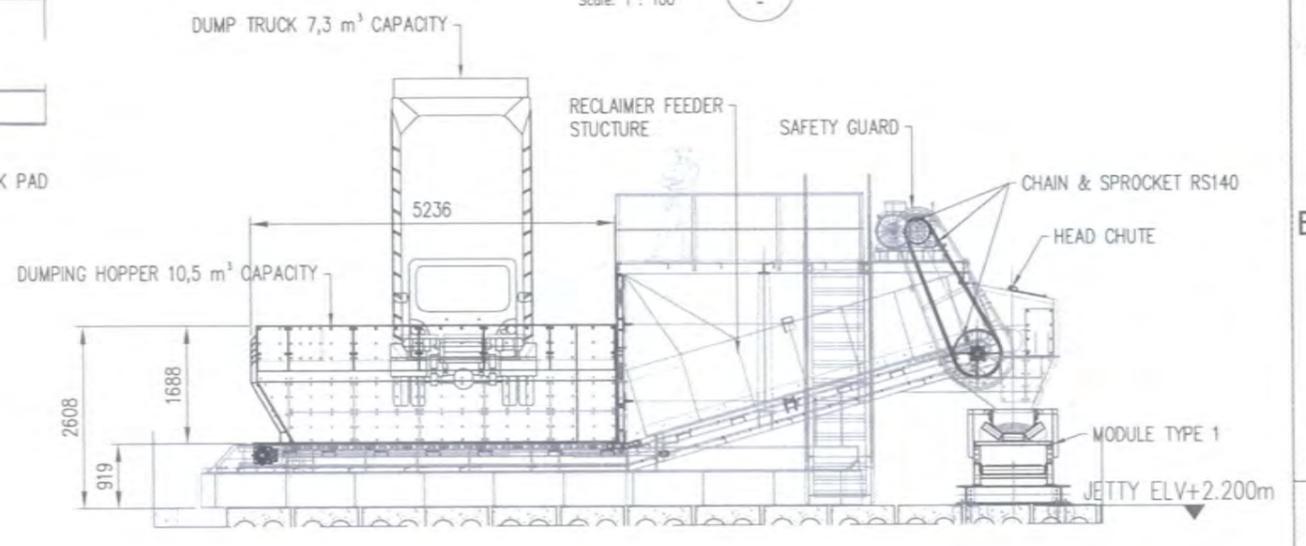
This review is only for general conformance with the design concept of the project and general compliance with the information given in the contract document. Any action shown is subject to the requirements of the contract document. This review does not relieve the contractor of their contractual obligations nor of their responsibilities of ensuring the work is complete, accurate & correct. Any amendment does not constitute an order or authority for a price variation to the contract.



**TOP VIEW**  
Scale: 1 : 100



**FRONT VIEW**  
Scale: 1 : 100



**SIDE VIEW**  
Scale: 1 : 100

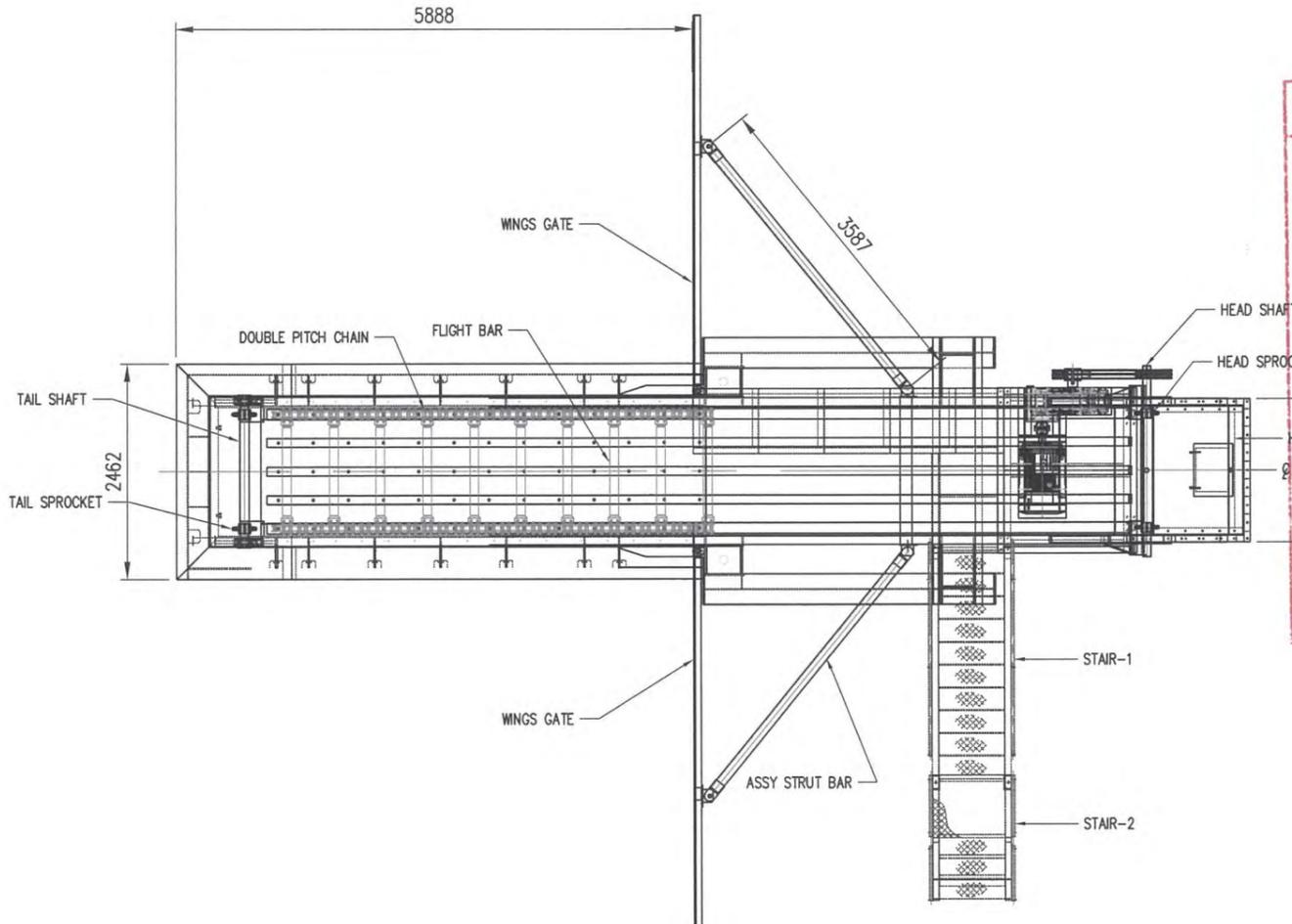
**DUMP RECLAIMER**  
SCALE 1 : 100

EPC CONTRACTOR :  PT. BANGUN ARTA HUTAMA <small>18 Office Park, 8th Floor                  Jl. Lestari TB, Simatupang Kav. 18, Kebagusan - Pasar Minggu                  Jakarta 12520, Telp. 021-22783367 / 22783112</small>	OWNER :  Head Office: Sinamas Land Plaza, Tower 2 Lantai 16 Jl. MH Thamrin No 51, Jakarta Pusat	CONSULTAN :  PT.AURECON INDONESIA Alamanda Tower 24 th Floor Unit C-D Jl.T.B. Simatupang Kav. 23 -24, Cilandak Barat Jakarta 12430 , Indonesia	PROJECT TITLE : <b>EPC JETTY FOR PLTU KENDARI-3                  PT.DSSP POWER KENDARI                  KONAWA SELATAN SULAWESI TENGGARA</b>
DRAWING BY : FIN CHECKED BY : WR/SKD APPROVED BY : FBH SCALE : 1:100 SHEET : 1 OF 2	DRAWING TITLE : DUMPING RECLAIM FEEDER DUMP RECLAIMER DRAWING NUMBER : BAMA-DSSP-M-RF-01	BWM BOO RF REV REF	A3

REV.NO	REVISION NOTE	BY	DATE	SIGNATURE	CHECKED
B	ISSUED FOR APPROVAL		F1N		
A	ISSUED FOR REVIEW		WRS	12-01-2016	

REVISION HISTORY





**CONTRACTOR DOCUMENT REVIEW**

NO EXCEPTION TAKEN     MAKE CORRECTIONS NOTED  
 REJECTED                       REVISE AND RESUBMIT

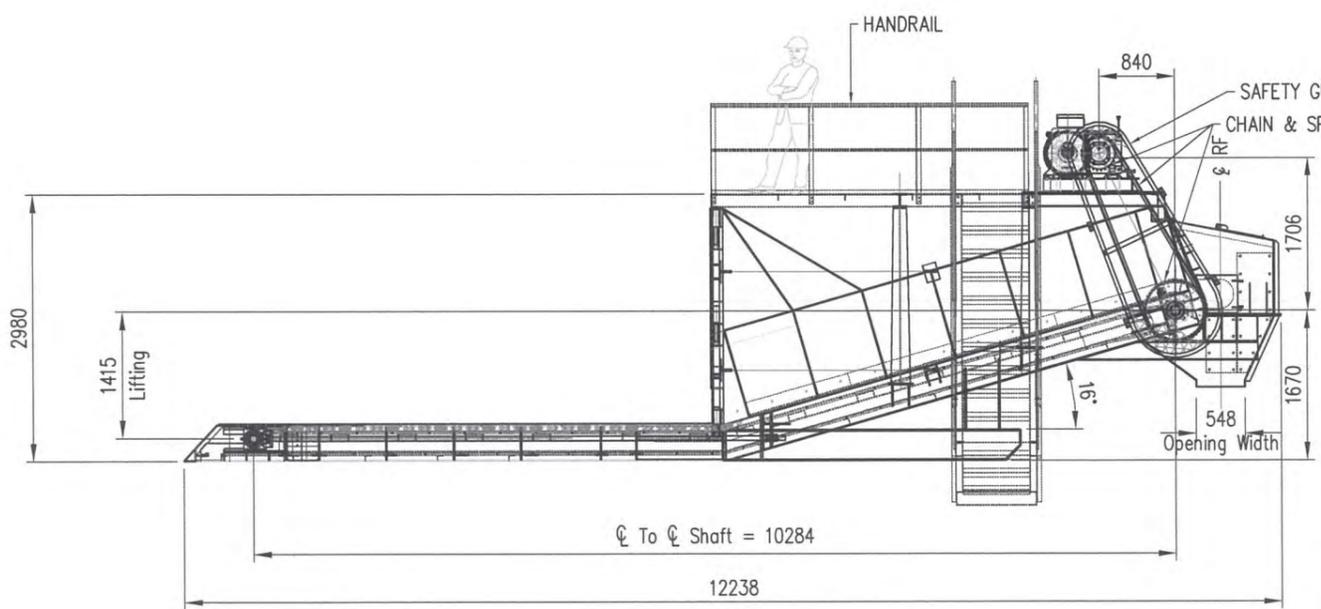
**aurecon**

PT Aurecon Indonesia  
 Alamanda Tower 24th Floor, Unit C  
 Jl. T.B. Simatupang Kav. 23-24  
 Cilandak Barat, Jakarta 12430 Indonesia    Telephone +62 21 2965 4000  
 Facsimile +62 21 2965 4001    Email ja-arts@arecongroup.com

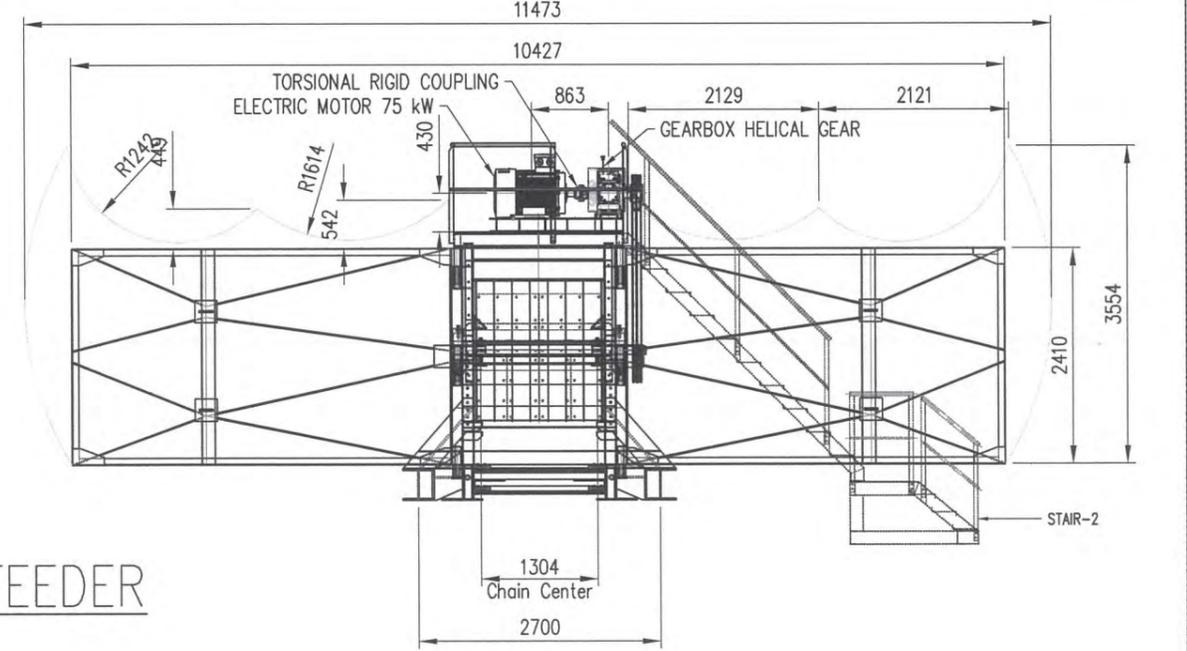
BY: *HBS*  
 DATE: 20-12-2016  
 PROJECT NO: 250738  
 DATE RECEIVED:

This review is only for general conformance with the concept of the project and general compliance with the information given in the contract document. Any action shown is subject to the requirements of the contract document. This review does not relieve the contractor of their contractual obligations nor of their responsibilities of ensuring the work is complete, accurate & correct. Any amendment does not constitute an order or authority for a price variation to the contract.

SPECIFICATION	
EQUIPMENT/ TYPE.	RECLAIM FEEDER / BA-RF150-FB1200
DIMENSION (mm)	12238 (L) x 10427 (W) x 2980 (H)
MATERIAL HANDLED	COAL ROM
BULK DENSITY (Kg/m <sup>3</sup> )	850-1000
SURCHARGE ANGLE	20°
DESIGN CAPACITY (T/H)	UP TO 1500
GATE OPENING (mm)	UP TO 0,3m - 0,5m Max
LIFT (mm)	1415
INCLINATION	16°
DRIVING SYSTEM	Sprocket and Chain ANSI RS-140 Double Strand RS 140, Ratio ( i ) = 26 Teeth Drive/48 Teeth Driven with Link Length 6 m
DRIVE MOTOR	Siemens Motor 75 kW, IP55, 280S 1485 rpm, 4 Pole, 400/690 V, Class F, 3 Phase
GEARBOX	Flender Gear Unit H2SA06A, Solid Shaft/CCW, Helical Gear Unit Type With Ratio (i) = 20n2 = 76,9 rpm
COUPLING	Torsional Rigid Coupling ZAPEX ZNN 130-B with Rates Torque 4020 Nm
<b>DRAG CHAIN</b>	
FEEDER TYPE	DRAG CHAIN FEEDER
LINEAR SPEED of CHAIN (m/s)	0.6
HORIZONTAL CENTER (mm)	10284
VERTICAL CENTER (mm)	1415
DRAG CHAIN CENTER (mm)	1304
CENTER DRIVE CHAIN (mm)	1946
CHAIN	SALCHAIN Double Pitch VCN 150 4" & 3"
FLIGHTBARS	SALCHAIN STEEL BARS
DRIVE/HEAD SHAFT & SPROCKET	SALCHAIN Double Pitch Sprocket, SHAFT BAMA STEPPED SHAFT*
TAIL/TAKEUP SHAFT&SPROCKETS	SALCHAIN Double Pitch Sprocket, SHAFT BAMA STEPPED SHAFT*
BEARINGS	HEAD #90 mm SNL520, C22220K-2xTSN 520C-H320E-FRB 12/180, TAIL #85 mm 22219 EK-2xTSN 519C-H319-FRB 12.5/170 With Custom HOUSING
TAKE-UP TYPE	SCREW TAKE UP



**RECLAIM FEEDER**  
SCALE 1 : 80



REV.NO	REVISION NOTE	BY	DATE	SIGNATURE	CHECKED
B	ISSUED FOR APPROVAL	F1N	--	--	--
A	ISSUED FOR REVIEW	WRS	14-01-2016		

EPC CONTRACTOR :

**bama**  
pt bangun arta hutama

PT. BANGUN ARTA HUTAMA  
 18 Office Park, 6th Floor  
 Jl. Letjen TB. Simatupang Kav. 18, Kebagusan - Pasar Minggu  
 Jakarta 12520, Telp. 021-22783397 / 22783112

OWNER :

**dssp**  
power

Head Office:  
 Sinarmas Land Plaza, Tower 2 Lantai 16  
 Jl. MH Thamrin No 51, Jakarta Pusat

CONSULTAN :

**aurecon**

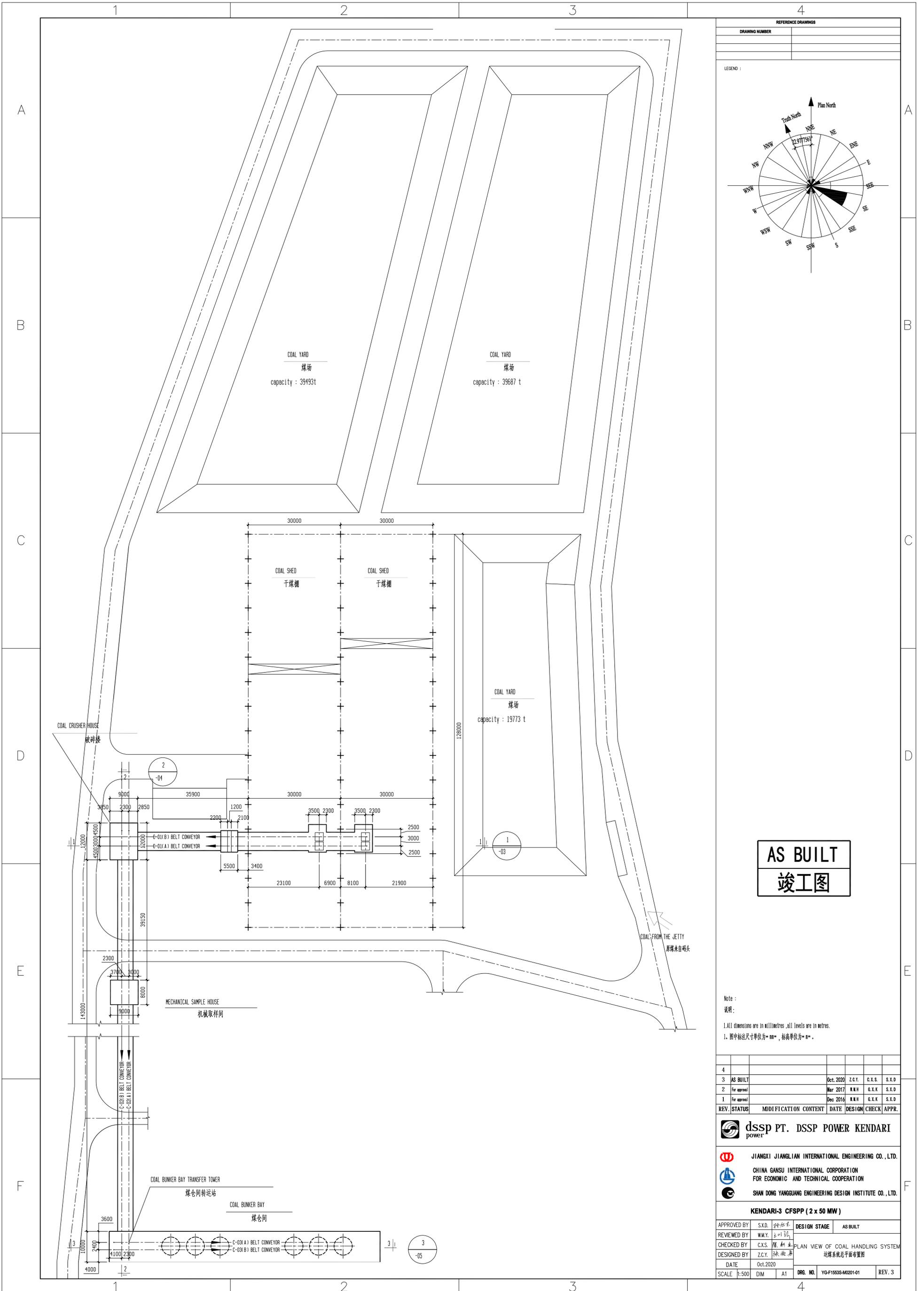
PT.AURECON INDONESIA  
 Alamanda Tower 24 th Floor Unit C-D  
 Jl.T.B. Simatupang Kav. 23 -24, Cilandak Barat  
 Jakarta 12430 , Indonesia

PROJECT TITLE :

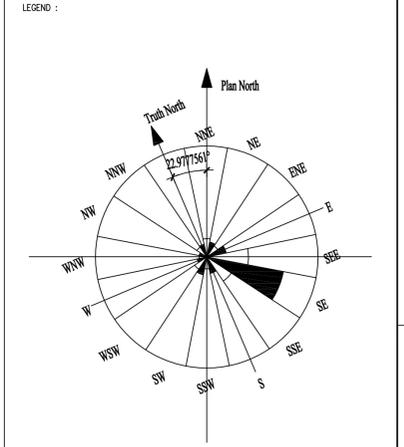
**EPC JETTY FOR PLTU KENDARI-3  
PT.DSSP POWER KENDARI  
KONAWA SELATAN SULAWESI TENGGARA**

DRAWING BY	F1N	DRAWING TITLE :	DUMPING RECLAIM FEEDER	BW 800
CHECKED BY	WR/SKO		RECLAIM FEEDER	RF
APPROVED BY	FBM		DRAWING NUMBER :	BAMA-DSSP-M-RF-02
SCALE	1:80	REF :		REV
SHEET	2 OF 2	A3		B

REVISION HISTORY



REFERENCE DRAWINGS			
DRAWING NUMBER	DATE	DESIGN	CHECK



**AS BUILT**  
**竣工图**

Note :  
说明:  
1. All dimensions are in millimetres, all levels are in metres.  
1. 图中标注尺寸单位为“mm”, 标高单位为“m”.

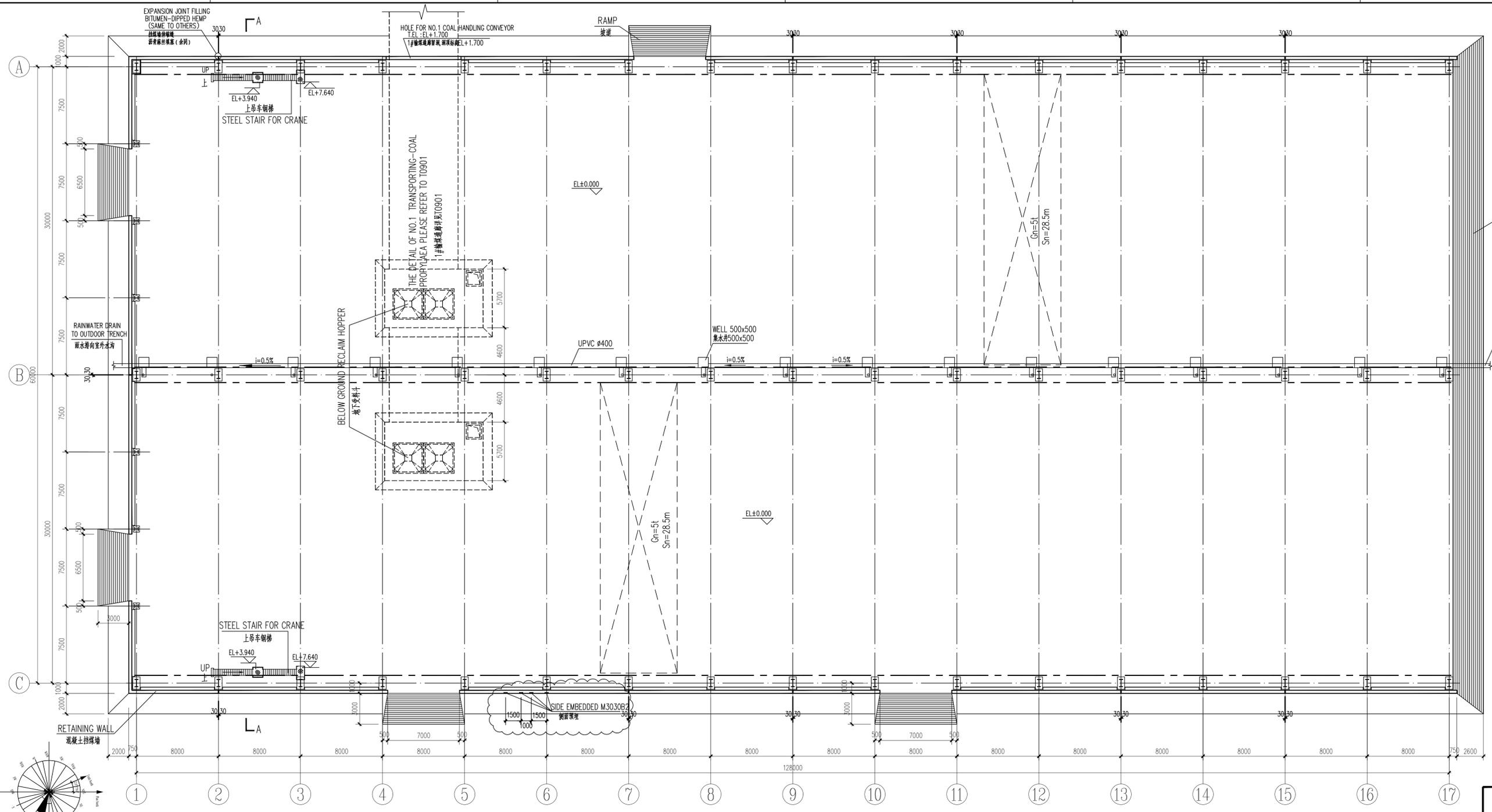
REV.	STATUS	MODIFICATION CONTENT	DATE	DESIGN	CHECK	APPR.
4						
3	AS BUILT		Oct. 2020	Z.C.Y.	C.X.S.	S.X.D
2	For approval		Mar 2017		G.X.K	S.X.D
1	For approval		Dec 2016		G.X.K	S.X.D

**dssp PT. DSSP POWER KENDARI**  
power

**JIANGXI JIANGLIAN INTERNATIONAL ENGINEERING CO., LTD.**  
**GHINA GANSU INTERNATIONAL CORPORATION**  
FOR ECONOMIC AND TECHNICAL COOPERATION  
**SHAN DONG YANGGUANG ENGINEERING DESIGN INSTITUTE CO., LTD.**

**KENDARI-3 CFSPP (2 x 50 MW)**

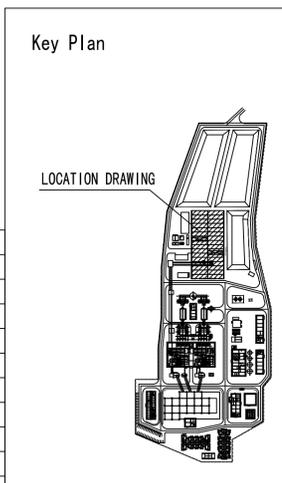
APPROVED BY	S.X.D. 孙晓东	DESIGN STAGE	AS BUILT
REVIEWED BY	W.M.Y. 王明义	PLAN VIEW OF COAL HANDLING SYSTEM	
CHECKED BY	C.X.S. 陈旭生	运煤系统总平面布置图	
DESIGNED BY	Z.C.Y. 张成义	DATE	Oct. 2020
SCALE	1:500	DWG. NO.	YG-F1553S-M0201-01
DIM	A1	REV.	3



**AS BUILT**  
**竣工图**

ARCHITECTURAL PLAN DRAWING 1:200  
建筑平面图

NOTE: 1. A-A SECTION DRAWING PLEASE REFER TO YG-F1553S-T0904-03.  
注: 1. A-A 剖面图详见YG-F1553S-T0904-03.  
2. DETAIL OF STEEL STAIR FOR CRANE PLEASE REFER TO YG-F1553S-T0904-18  
2. 上车钢梯详图详见YG-F1553S-T0904-18

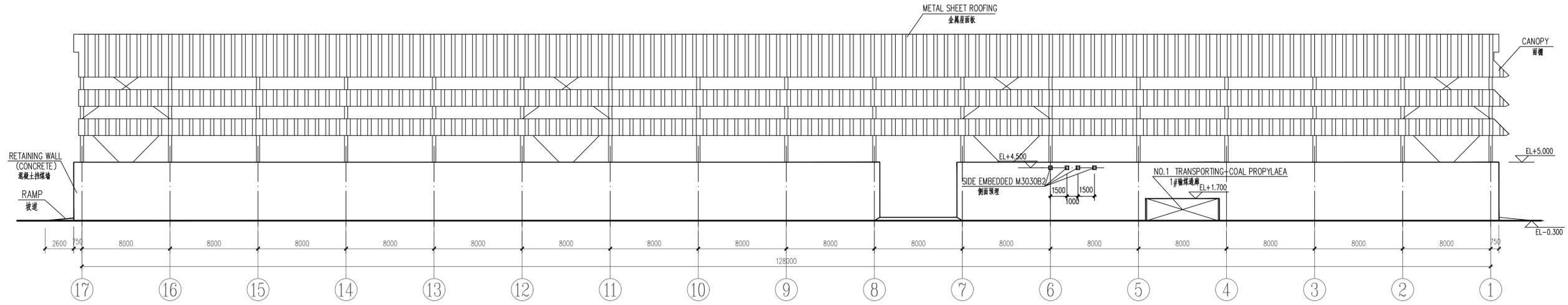


PLOT PLAN			
I&C			
ELECTRICAL			
ASH HANDLING			
COAL HANDLING			
HVAC			
CHEMICAL			
WATER SUPPLY			
THERMAL MECHANICAL			
DISP.	SIGNATURE	DATE	
COUNTERSIGN			

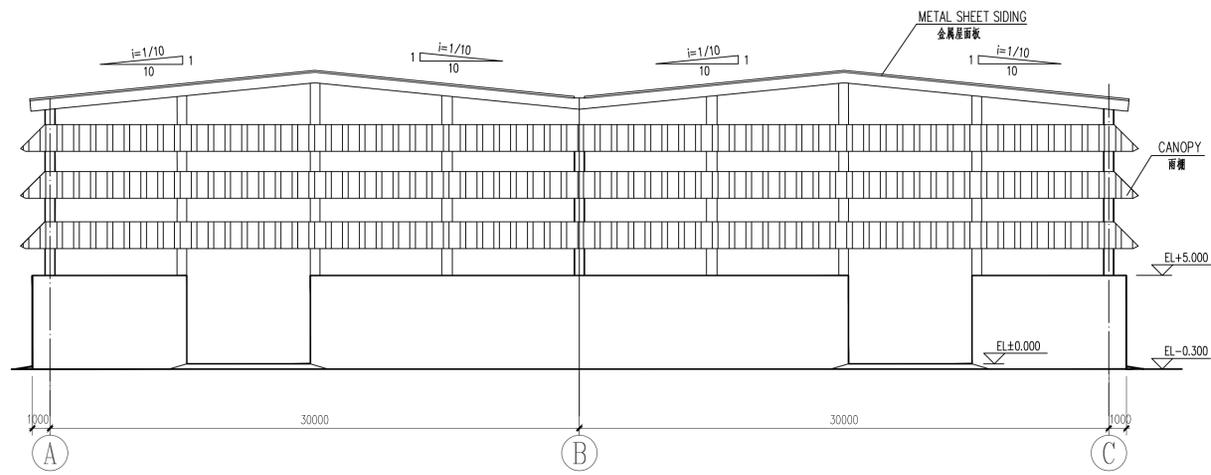
REV.	STATUS	MODIFICATION CONTENT	DATE	DESIGN	CHECK	APPR.
4	AS BUILT		Oct. 2020	WangJinxin	QiuJunfang	SunYudong
3	For construction		Dec. 2016	WangJinxin	QiuJunfang	SunYudong
2	For information		Oct. 2016	WangJinxin	QiuJunfang	SunYudong
1	For information		Jul. 2016	WangJinxin	QiuJunfang	SunYudong

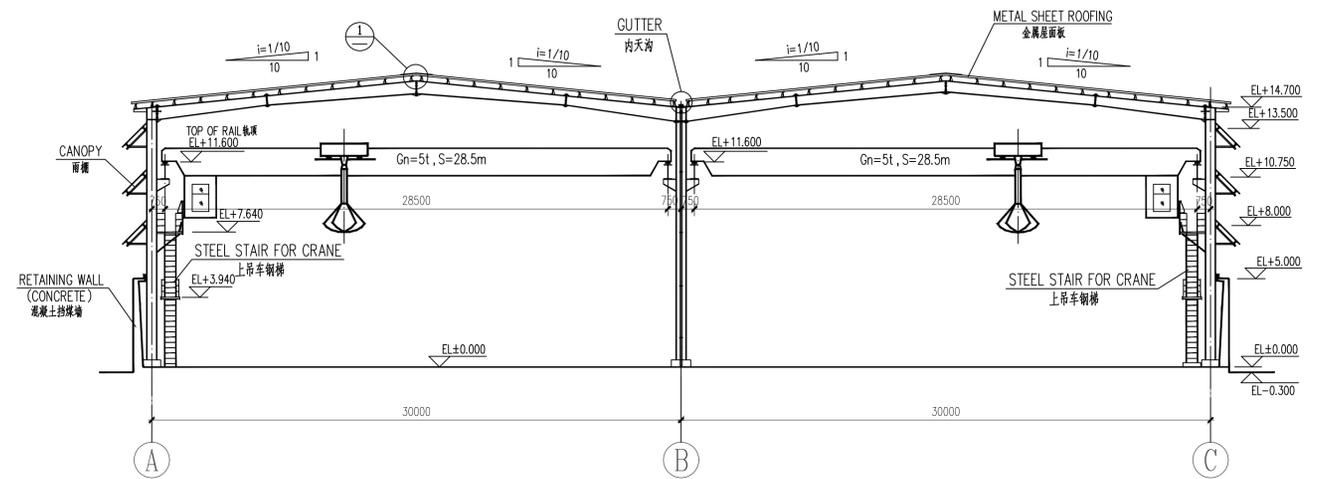
<b>dssp PT. DSSP POWER KENDARI</b> power		
JIANGXI JIANGLIAN INTERNATIONAL ENGINEERING CO., LTD.		
CHINA GANSU INTERNATIONAL CORPORATION FOR ECONOMIC AND TECHNICAL COOPERATION		
SHAN DONG YANGGUANG ENGINEERING DESIGN INSTITUTE CO., LTD.		
<b>KENDARI-3 CFSPP ( 2 x 50 MW )</b>		
APPROVED BY	DESIGN STAGE	AS BUILT
REVIEWED BY	COAL SHED	
CHECKED BY	ARCHITECTURAL PLAN DRAWING	
DESIGNED BY	建筑平面图	
DATE	2020/10/10	
SCALE	1:200	
DWG. NO.	YG-F1553S-T0904-02	REV. 4



⑰~① ELEVATION DRAWING 1:200  
⑰~① 立面图

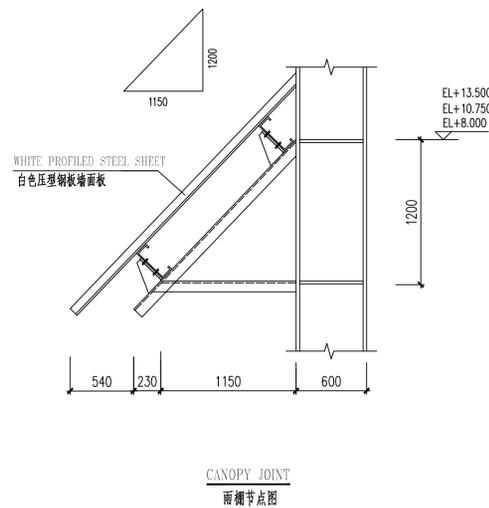
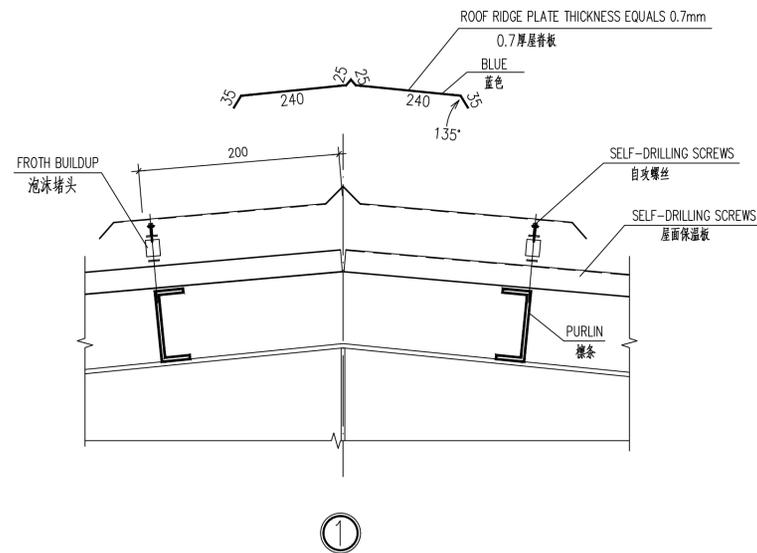


①~③ ELEVATION DRAWING 1:200  
①~③ 立面图

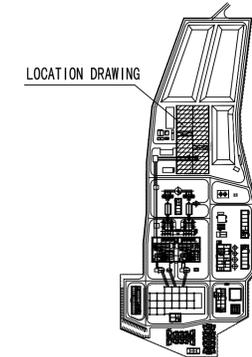


A-A SECTION DRAWING 1:200  
A-A 剖面图

**AS BUILT**  
**竣工图**



Key Plan

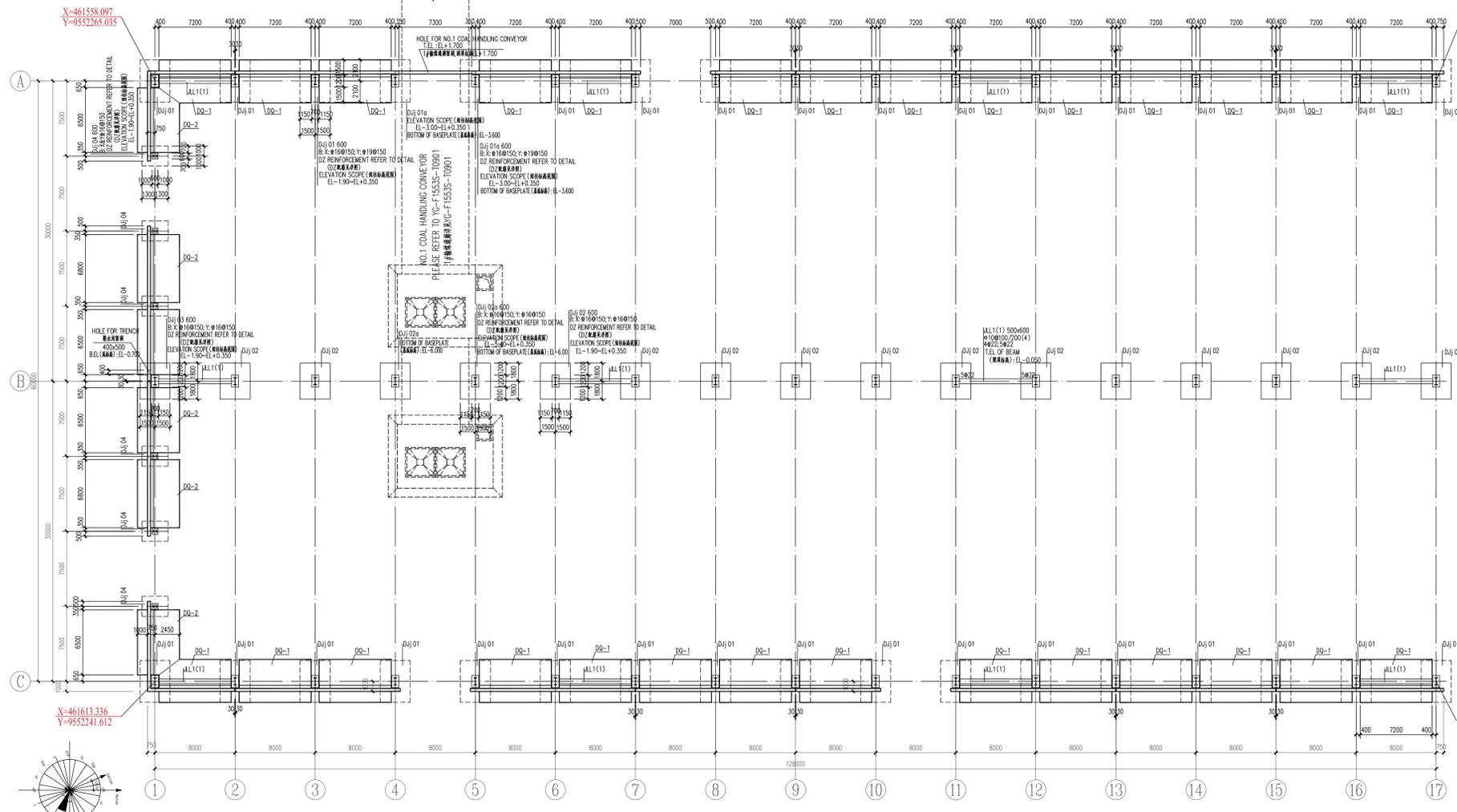


PLOT PLAN	
I&C	
ELECTRICAL	
ASH HANDLING	
COAL HANDLING	
HVAC	
CHEMICAL	
WATER SUPPLY	
THERMAL MECHANICAL	
DISP.	SIGNATURE DATE
COUNTERSIGN	

REV.	STATUS	MODIFICATION CONTENT	DATE	DESIGN	CHECK	APPR.
4	AS BUILT		Oct. 2020	WangJinxin	QiuYunfang	SunYudong
3	For construction		Dec. 2016	WangJinxin	QiuYunfang	SunYudong
2	For information		Oct. 2016	WangJinxin	QiuYunfang	SunYudong
1	For information		Jul. 2016	WangJinxin	QiuYunfang	SunYudong

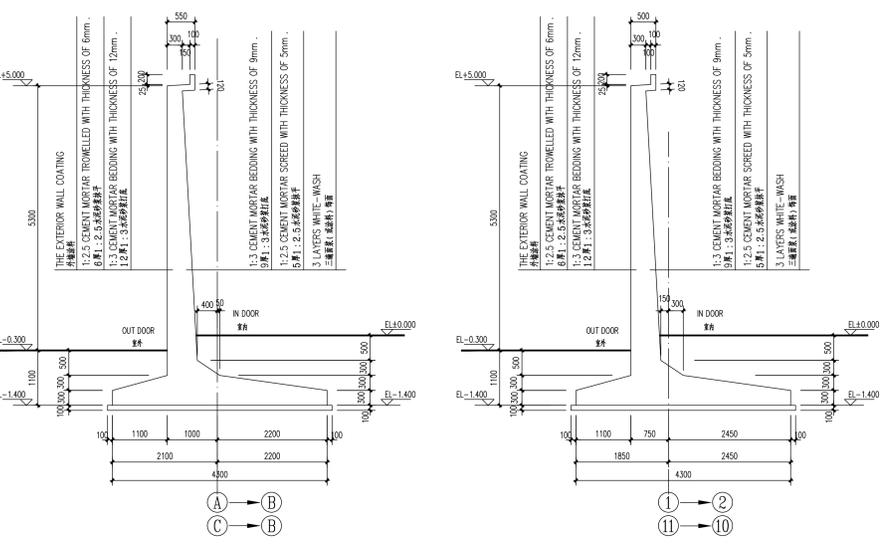
  

<b>dssp PT. DSSP POWER KENDARI</b> power		
JIANGXI JIANGLIAN INTERNATIONAL ENGINEERING CO., LTD.		
CHINA GANSU INTERNATIONAL CORPORATION FOR ECONOMIC AND TECHNICAL COOPERATION		
SHAN DONG YANGGUANG ENGINEERING DESIGN INSTITUTE CO., LTD.		
<b>KENDARI-3 CFSP (2 x 50 MW)</b>		
APPROVED BY	DESIGN STAGE	AS BUILT
REVIEWED BY	COAL SHED	
CHECKED BY	ELEVATION AND SECTION DRAWING	
DESIGNED BY	立面图、剖面图	
DATE	2020/10/10	
SCALE	1:200	
DWG. NO.	YG-F1553S-T0904-03	REV. 4



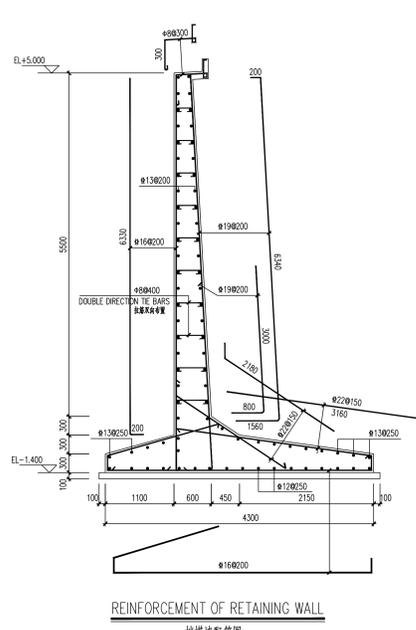
FOUNDATION PLAN LAYOUT  
基础平面布置图 1:200

NOTE (注):

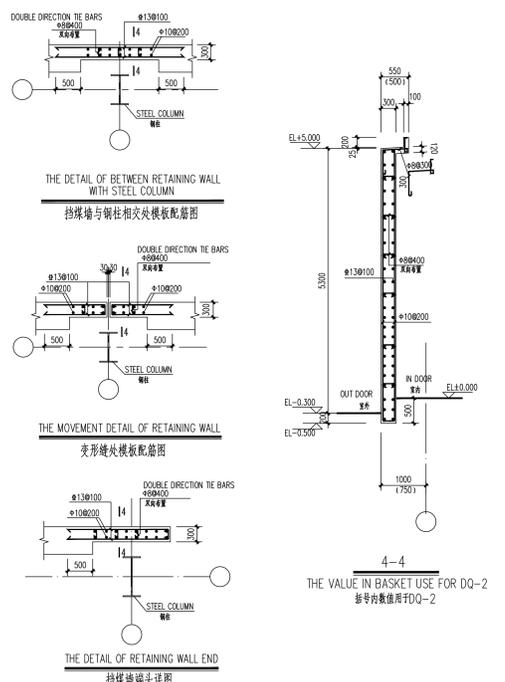


DQ-1 FORM DRAWING 1:50  
DQ-1 模板图

DQ-2 FORM DRAWING 1:50  
DQ-2 模板图



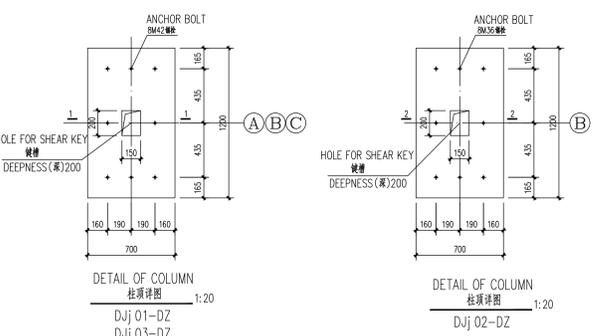
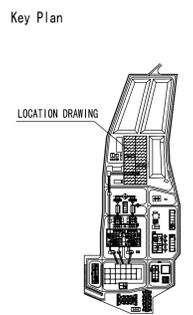
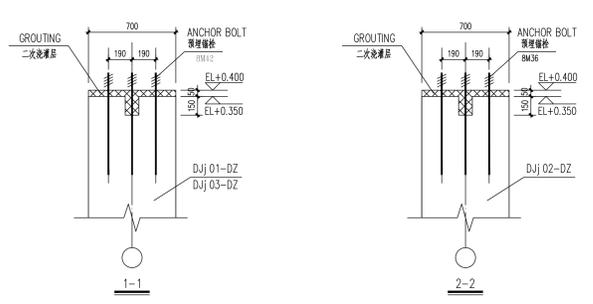
REINFORCEMENT OF RETAINING WALL  
挡煤墙配筋图



THE DETAIL OF BETWEEN RETAINING WALL WITH STEEL COLUMN  
挡煤墙与钢柱相交处模板配筋图

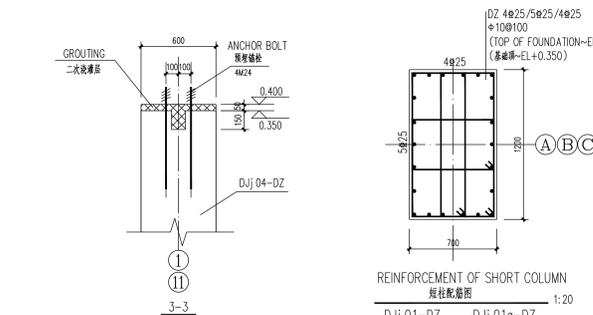
THE MOVEMENT DETAIL OF RETAINING WALL  
变形缝处模板配筋图

THE DETAIL OF RETAINING WALL END  
挡煤墙端头详图

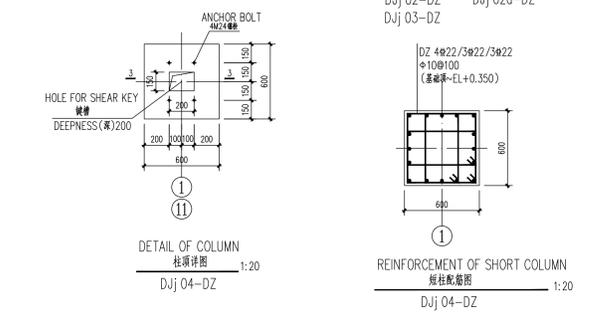


DETAIL OF COLUMN  
柱顶详图 1:20  
DjJ 01-DZ  
DjJ 03-DZ

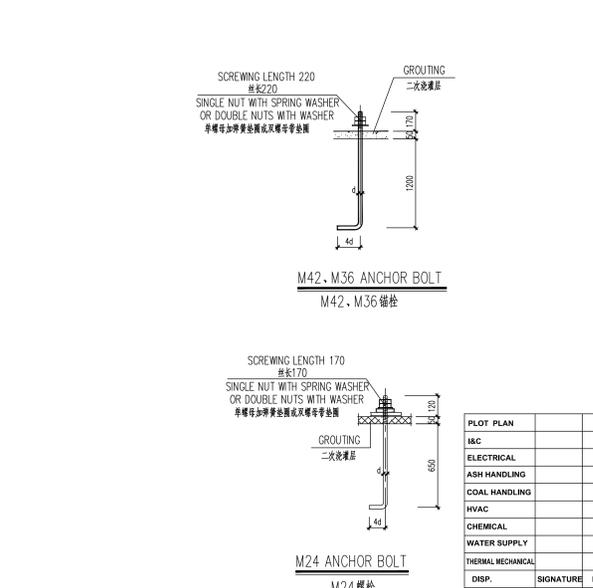
DETAIL OF COLUMN  
柱顶详图 1:20  
DjJ 02-DZ



REINFORCEMENT OF SHORT COLUMN  
短柱配筋图 1:20  
DjJ 01-DZ  
DjJ 02-DZ  
DjJ 03-DZ



REINFORCEMENT OF SHORT COLUMN  
短柱配筋图 1:20  
DjJ 04-DZ



M42-M36 ANCHOR BOLT  
M42-M36 锚栓

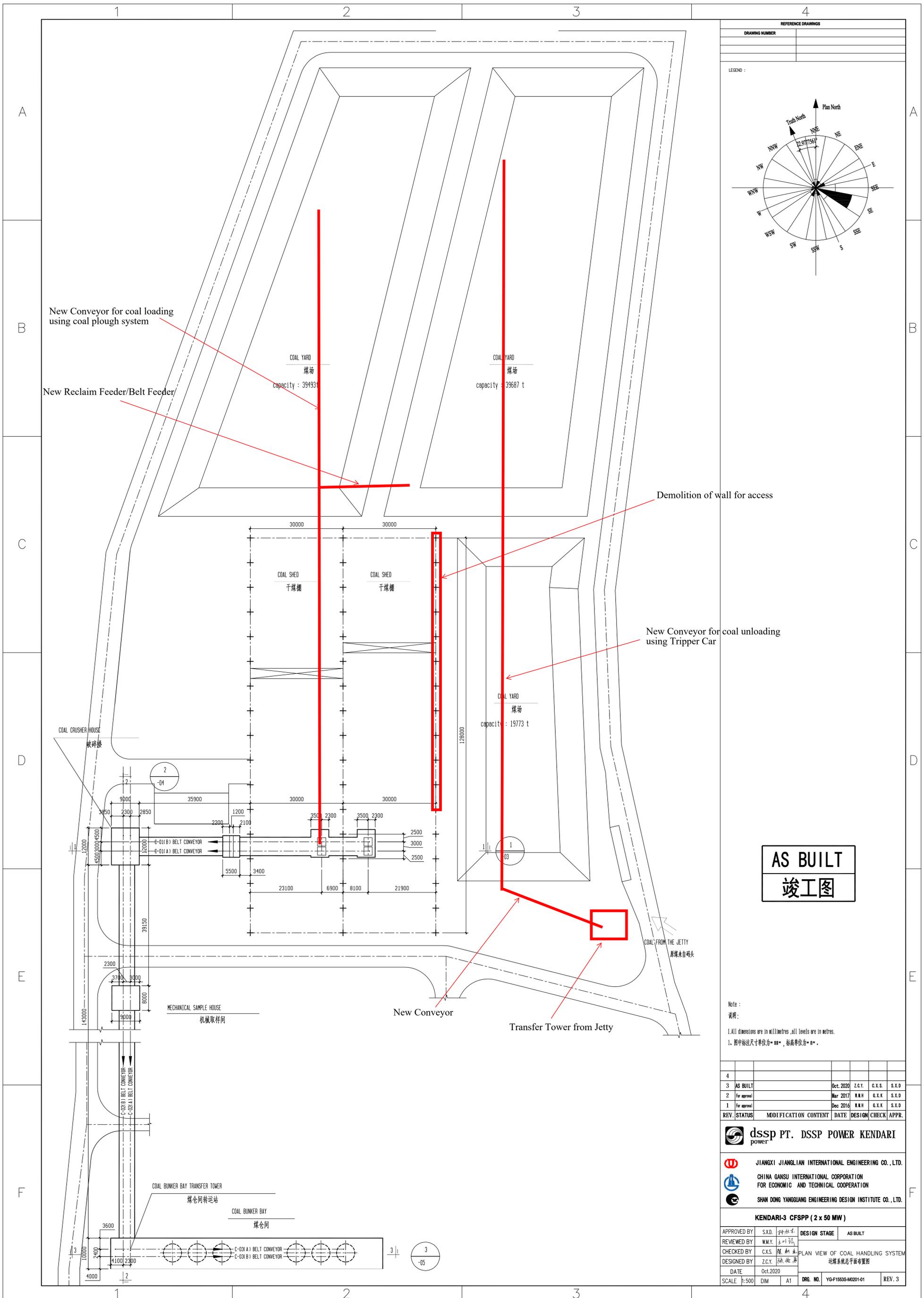
M24 ANCHOR BOLT  
M24 锚栓

- NOTE: 1. UNLESS OTHERWISE INDICATED, THE BOTTOM ELEVATION IS EL-2.500M OF FOUNDATION.  
注: 1. 除注明者外, 基础底面基准标高为EL-2.500米。  
2. FOR BEAM, THE REBARS CONNECTED BY WELD METHOD OR JOINT PIECE.  
2. 梁钢筋连接宜采用焊接接头或机械连接接头。  
3. THE CONCRETE SHOULD BE POUR TOGETHER WHEN THE FOUNDATION CROSSING.  
3. 基础之间以及短柱与地下墙体相碰时同时浇筑。  
4. BEFORE POURING, THE INTERNAL SURFACE SHOULD BE DAUBING AND CLEAN.  
4. 二次浇筑前应将坑内混凝土表面凿毛- 污染物清理干净方可浇筑。

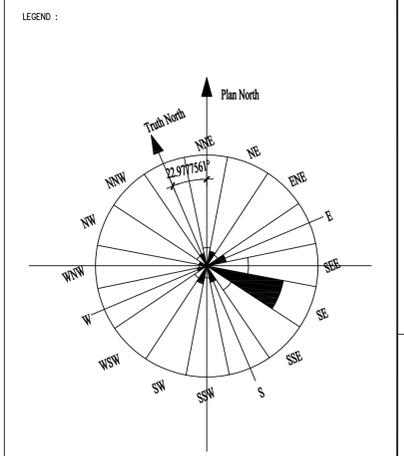
AS BUILT  
竣工图

4	AS BUILT	Dec. 2020	Hengping	Qianfang	Shidong
3	For construction	Dec. 2019	Hengping	Qianfang	Shidong
2	Information	Dec. 2019	Hengping	Qianfang	Shidong
1	Information	Jul. 2019	Hengping	Qianfang	Shidong

REV. STATUS		MODIFICATION	CONTENT	DATE	DESIGN	CHECK	APPR.
<p><b>dssp PT. DSSP POWER KENDARI</b> power</p> <p>JIANGXI JIANGLIAN INTERNATIONAL ENGINEERING CO., LTD. CHINA SANSU INTERNATIONAL CORPORATION FOR ECONOMIC AND TECHNICAL COOPERATION SHAN DONG YANGSHU ENGINEERING DESIGN INSTITUTE CO., LTD.</p> <p><b>KENDARI-3 CFSP (2 x 50 MW)</b></p> <p>APPROVED BY: [Signature] DESIGN STAGE: AS BUILT REVIEWED BY: [Signature] COAL SHED CHECKED BY: [Signature] LAYOUT OF FOUNDATION DESIGNED BY: [Signature] 基础布置图</p> <p>DATE: 2020/10/10 SCALE: 1:200 DIM: AO DRG. NO. YG-F15535-10904-05 REV. 4</p>							



REFERENCE DRAWINGS			
DRAWING NUMBER	DATE	DESIGN	CHECK



**AS BUILT**  
**竣工图**

Note :  
说明:  
1. All dimensions are in millimetres, all levels are in metres.  
1. 图中标注尺寸单位为“mm”, 标高单位为“m”.

REV.	STATUS	MODIFICATION CONTENT	DATE	DESIGN	CHECK	APPR.
4						
3	AS BUILT		Oct. 2020	Z.C.Y.	C.X.S.	S.X.D
2	For approval		Mar 2017		G.X.K	S.X.D
1	For approval		Dec 2016		G.X.K	S.X.D

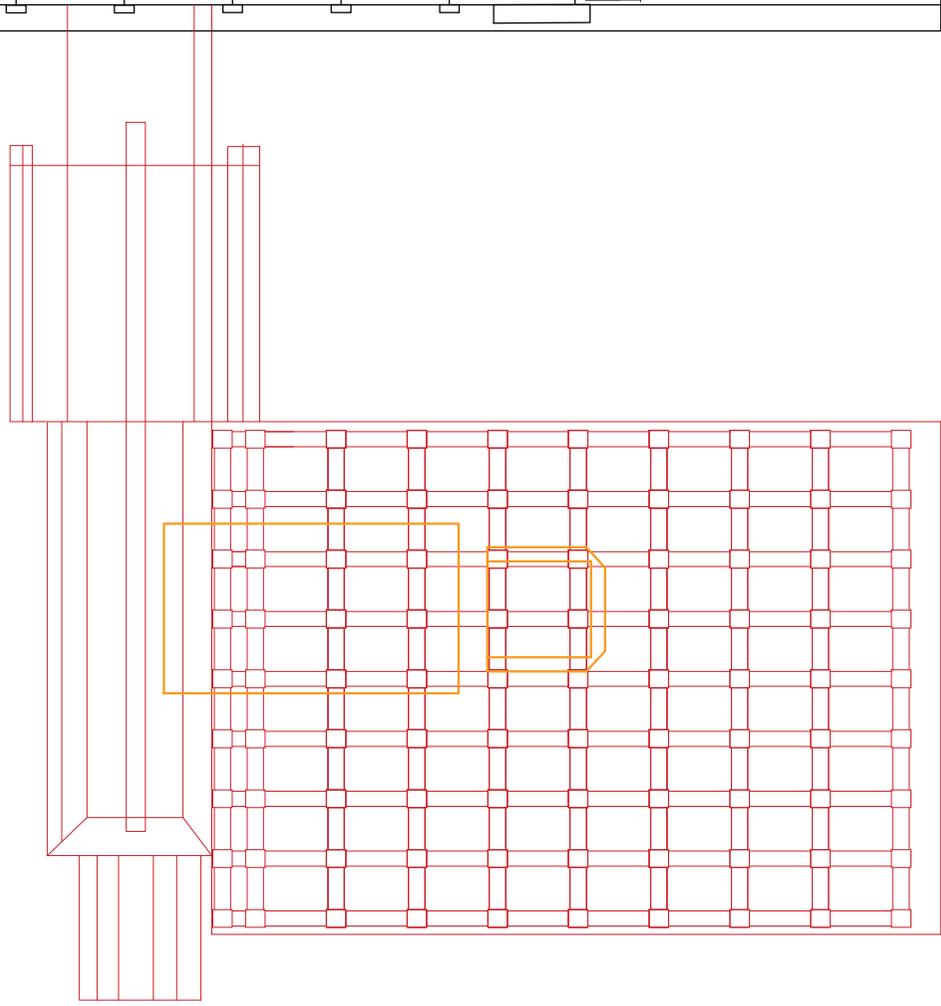
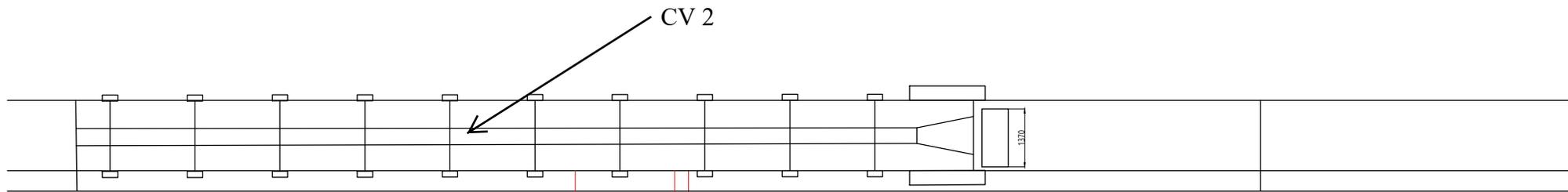
**dssp PT. DSSP POWER KENDARI**  
power

**JIANGXI JIANGLIAN INTERNATIONAL ENGINEERING CO., LTD.**  
**CHINA GANSU INTERNATIONAL CORPORATION FOR ECONOMIC AND TECHNICAL COOPERATION**  
**SHAN DONG YANGGUANG ENGINEERING DESIGN INSTITUTE CO., LTD.**

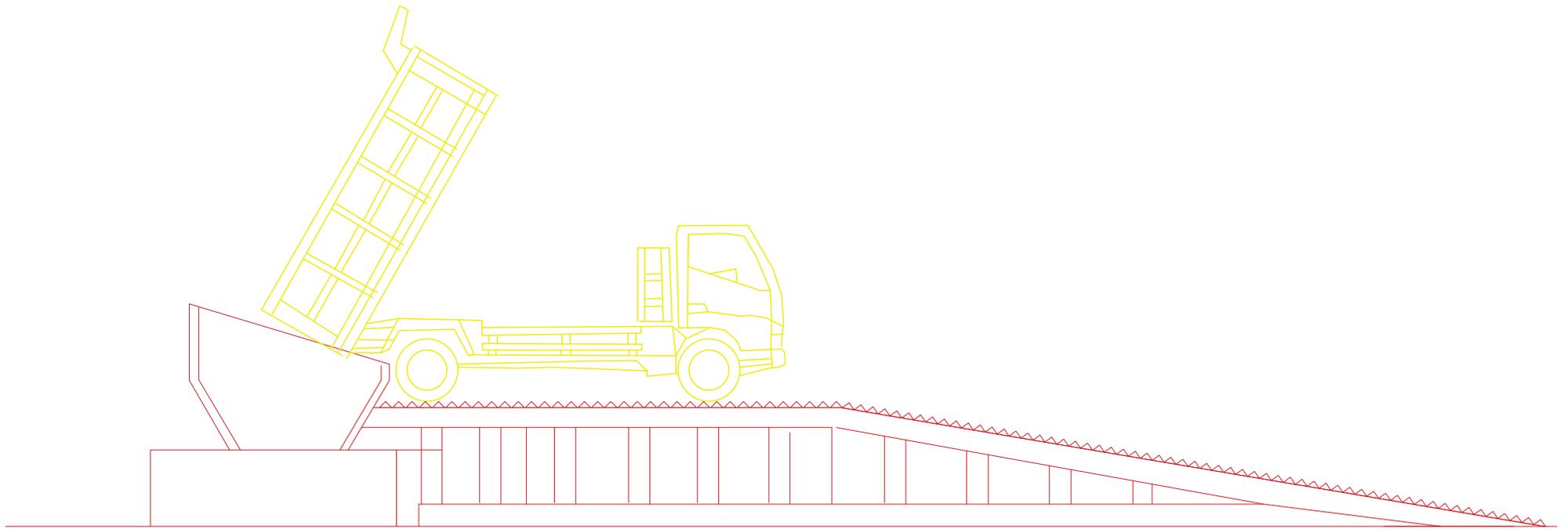
**KENDARI-3 CFSPP (2 x 50 MW)**

APPROVED BY	S.X.D. 孙晓东	DESIGN STAGE	AS BUILT
REVIEWED BY	W.M.Y. 王明义		
CHECKED BY	C.X.S. 陈旭生		
DESIGNED BY	Z.C.Y. 张成义		
DATE	Oct. 2020		
SCALE	1:500	DRG. NO.	YG-F1553S-M0201-01
DIM	A1	REV.	3

PLAN VIEW OF COAL HANDLING SYSTEM  
运煤系统总平面布置图



View Feeder System



View Hopper and Access for Truck Dumping