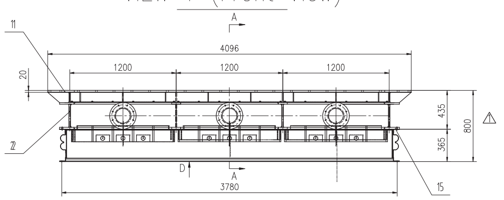
CLYDE BERGEMANN	**Document:** Datasheet of Jaw Gate				
	Document nr. 1240420-DRB16-M003				
System:	Bottom Ash Handling System				
Document Revision:	4	**Prepared**		**Approved**	**Date**
SI No:	2	-		AEN	10.12.20

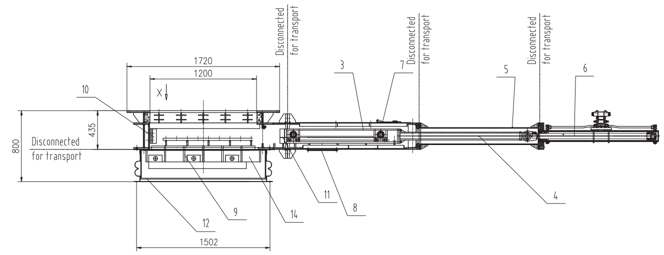
A	**General**				
	Plant	:	Tanjung Jati B-Unit 5&6; 1000 MW , Indonesia		
	Unit	:	Unit 5 & 6		
	Ambient Temperature	:	Min-Max: 22 – 35ºC ; Avg -29°C		
	Relative Humidity	:	Min – Max: 50% – 92% ; Avg- 75%		
	Barometric Pressure	:	100,78 kPa		
B	**Design Basis**				
	Material		Bottom Ash		
	Density for volumetric calculation	:	kg/m^3	720	
	Density for Power calculation	:	kg/m^3	1120	
	Particle Size	:	mm	max 200	
	Design Temperature of BTM Ash	:	°C	850	
	Expected maximum ash size	:	mm	2000mmW x 1000mmH x 500mmD (approx)	
	Conveying Capacity	:			
	Normal	:	t/h	4,39	
	Maximum design	:	t/h	15	
	Emergency	:	t/h	30	
C	**Machinery Data**				
	Installation	:	Outdoor		
	Quantity	:	Unit	Quantity	Tag No
			Unit-5	15 nos	50HDA03AJ001-015
			Unit-6	15 nos	60HDA03AJ001-015
D	**Manufacturing Data**				
	Typology	:	Jaw Gate for crushing & Isolation-Clyde Begemann		
	Manufactur / Model No	:	Clyde Bergemann ; JCIV1200		
	Operating time	:	Continuous		
	Type	:	Hydraulic cylinder operated gate valve with grid		
E	**Gate Dimension & Parts**				
	Dimension (Gate Frame)	:	mm	4096x1816x800	
	Number of Gate/ Frame	:		3	
	Gate opening dimension	:	mm	~ 1000x1200	
	Grid	:	mm	200x212	
	Materail				
	Jaw Gate Body	:	S235JR (DIN EN 10025-2)		
	Gate Frame	:	16Mo3 (DIN EN 10028-29)		
	Jaw	:	GX40CrNiSi25-20/1.4848 (DIN EN 10295)		
	Grid	:	16Mo3 (DIN EN 10028-29)		
	Refractory Lining	:	Castable monolithic refractory (Bulk density-2,11g/cm^3)		
	Hydraulic Cylinder	:	15nos(1 no/Gate); Double-acting Hydraulic Cylinder		
	Cylinder-Bore & Piston Dia	:	Φ 100-60		
	Stroke Length	:	~1100 mm		
	Pressure (Operating/Design / Test)	:	160 /250 / 300 bar		
	Cylinder Piston (construction)	:	20MnV6 (Piston rod grinds and hard-chromed; Layer thickness 25 - 30 µm)		
F	**Other**				
	Metalic Expansion Joint		5 nos(1 no/Gate Frame) ;SS; Movement-Axial: -15 mm		
	Limit switch		2 - Lever Sensor/ Gate (Schneider:XCKJ10541H29)		

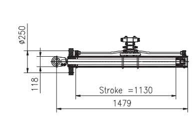
ANNEXURE D

VIEW Y (Front View)



SECTION A-A





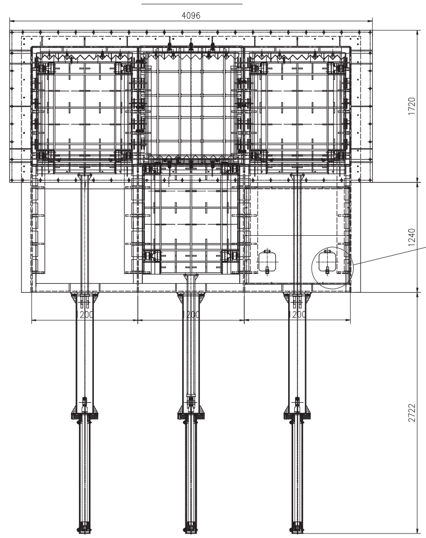
REFERENCE DRAWINGS & DOCUMENTS

TECHNICAL SPECIFICATION - 1240420-DRB16-M003 / ES-(XTJB)5,6-71-00-0016 / TJB56-L2-OFF-U6-HDA-M-SPC-001

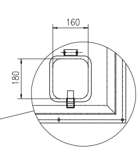
P&ID - 1240420-DRB16-M004 / ES-(XTJB)5,6-71-00-0010 / TJB56-L2-OFF-U6-HDA-M-PID-001

COATING / PAINTING SYSTEM & PROCEDURE - 1240420-DRB16-G013

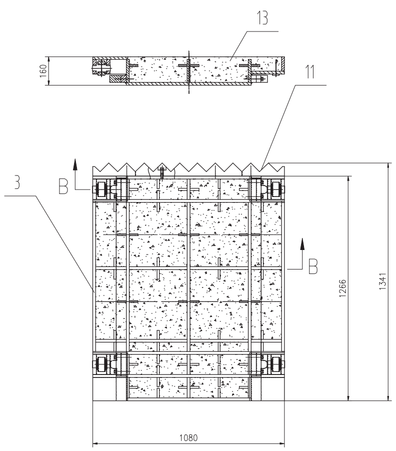
VIEW X (Top View)



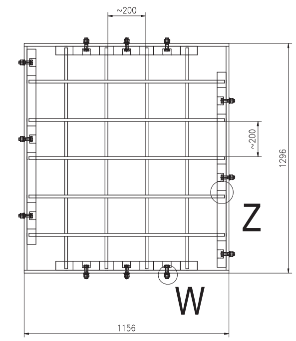
DETAIL Pos. 7



SECTION B-B



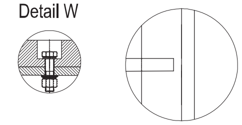
JAW & GATE ASSEMBLY
3 nos/Assembly



Pos: 9
GRID-200X200
3 nos/Assembly

Detail Z

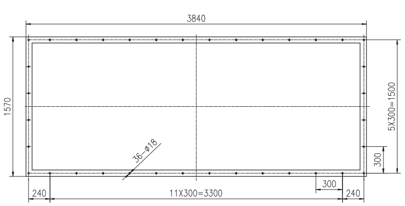
Detail W



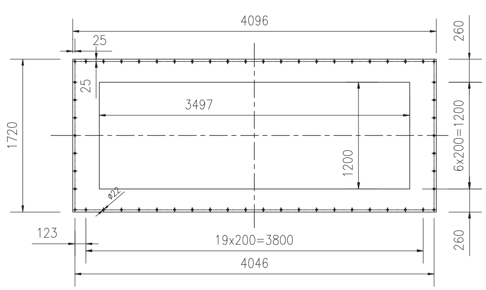
Total weight of assembled jaw crusher unit: 9416 Kg
5 N° of units needed for one boiler installation

ITEM	DESCRIPTION	Q.TY.	MATERIAL	UNIT WEIGHT	SUB-TL WEIGHT
15	Gasket 30 x 3	1	Ceramic Fabric	0,2kg	0,2kg
14	Grid Support plates set	3	16Mo3	226,4kg	679,1kg
13	Refractory	3	CAST 13 ES/F [*1]	278,0kg	834,0kg
12	Expansion Joint [*3]	1	SS 321 / 1,4541	325,3kg	325,3kg
11	Jaw Plate B	3	GX40CrNiSi25-20	58,4kg	175,2kg
10	Jaw Plate A	3	GX40CrNiSi25-20	58,4kg	175,2kg
9	Grid-200x200	3	16Mo3	315,2kg	945,6kg
8	Bottom Access Door	3	S235	75,3kg	226,0kg
7	Top Access Door	3	S235	72,0kg	216,0kg
6	Hydr. Cylinder 110/60-1130mm	3	20MnV6	68,8kg	206,4kg
5	Extended Frame	3	S235	97,8kg	293,4kg
4	Connecting Rod	3	S355	77,0kg	231,0kg
3	Gate	3	16Mo3	440,0kg	1320,0kg
2	Gate Body /Frame	1	S235 /355	3322,0kg	3322,0kg
1	Inlet Flange	1	S235	618,0kg	618,0kg

Note:
1. Chemical composition of Refractory-50% Silica,36% Aluminia,1,5% Iron Oxide & 9,5% Lime
2. Hydraulic Cylinder :: Outer Dia -110 mm, Inner Dia -60 mm & Stroke Length-1130 mm.
3. Jaw Crusher :: Overall height can differ respect to Expansion joint height as per final assembly.



View D



Hopper Outlet Flange

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D - 46485 WESEL

1:100

Bottom Ash Handling - BA JAW GATE
Tanjung Jati B 5&6 - 50/60HDA03

1240420-DRB16-M008-04 G

REVISIONS