Connection to sealing cylinder
see dwg.-no. 1.48120/00 762-0005
MTZ/12/B/-----00762/ES/005

Section A-A
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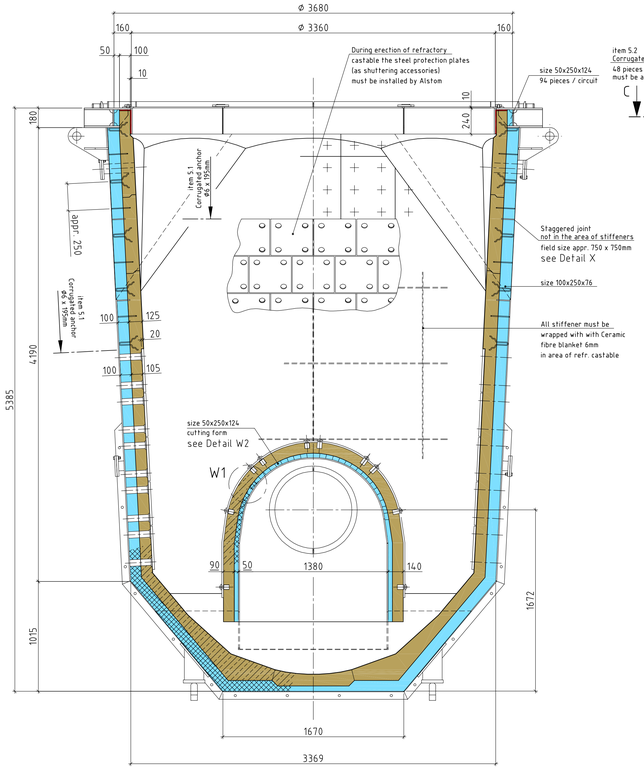
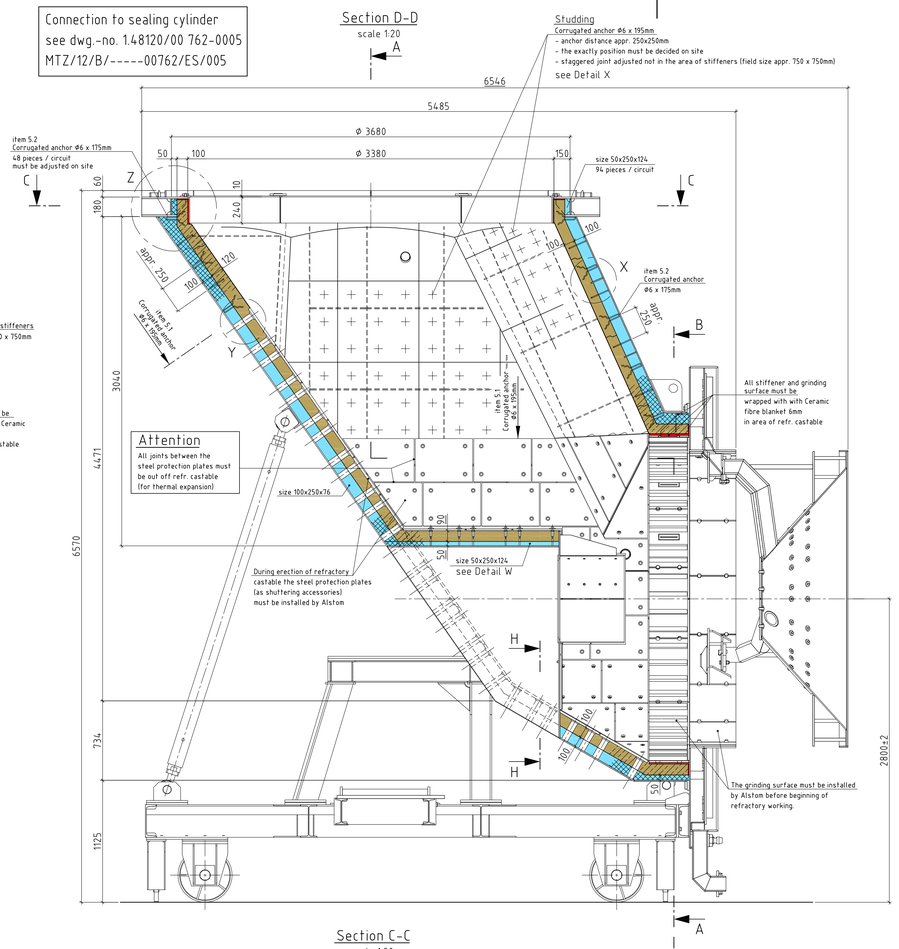


Section D-D
scale 1:20



Section B-B
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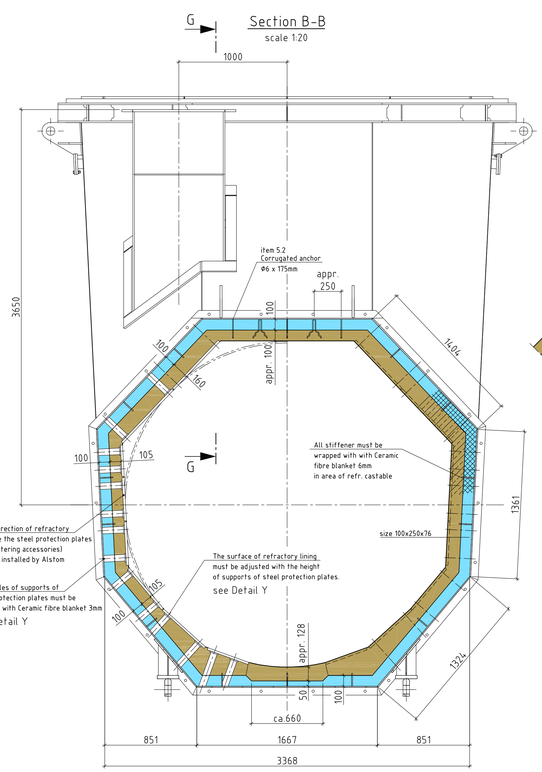

Section J-J
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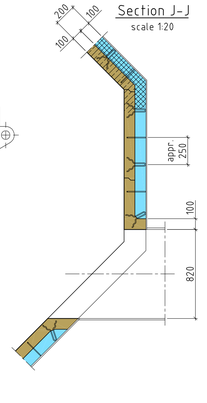

Section G-G
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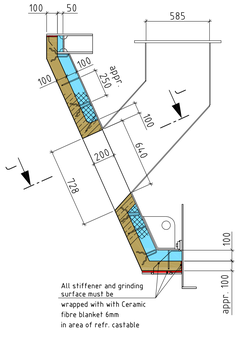
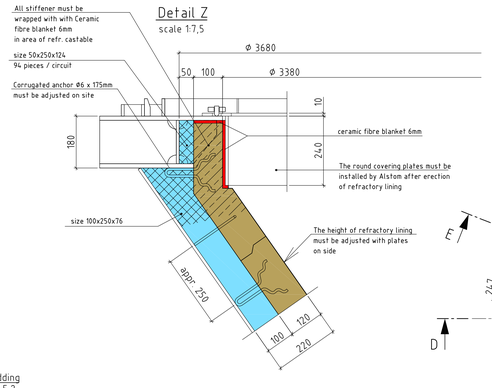


General erection instruction

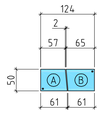
- Before beginning of refractory working the main dimensions of steel construction should be approved on site.
- Pay attention to expansion joints, keep free of mortar
- Thickness of mortar joints max. 2mm
- All bricks should be lay with all sides of mortar.
- If necessary the bricks should be cut at site.
- Existing gaps of insulation in area of anchor, brackets or edges should be equalised with Lightweight refractory castable
- In area of castable lining the insulation should be provided with a bitumen painting or to be covered with a construction foil.
- The exactly location of anchors should be checked and determined on site.
- After erection of anchors in existing straps, they should be fixed with tack welding.
- The overlap from castable of anchor appr. 25-30mm
- Should be the corrosion protection damaged, the protection should be renew with "Touch-up"- First coating method, according to specification Installation 8-system 8 from ALSTOM.
- All joints in refractory castable should be staggered (Z-joint)
- In area of castable distance of staggered joints are appr. 750 x 750mm
- The exactly location of shuttering fields should be determined on site.

Attention: In area of steel plates (ALSTOM) or grinding surface (ALSTOM) no anchors are necessary.

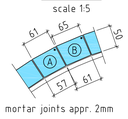
Detail Z
scale 1:7,5



Detail W2
CUTTING FORM
scale 1:5

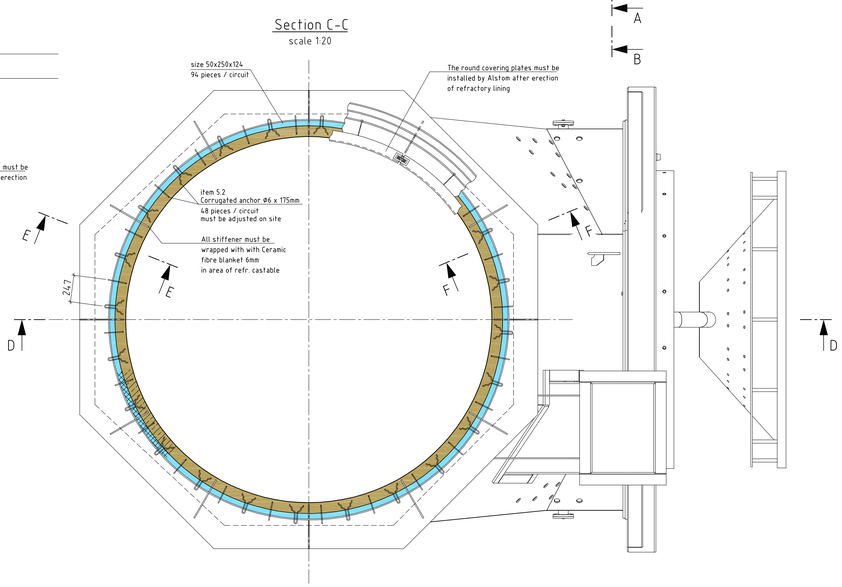


Detail W1
scale 1:5

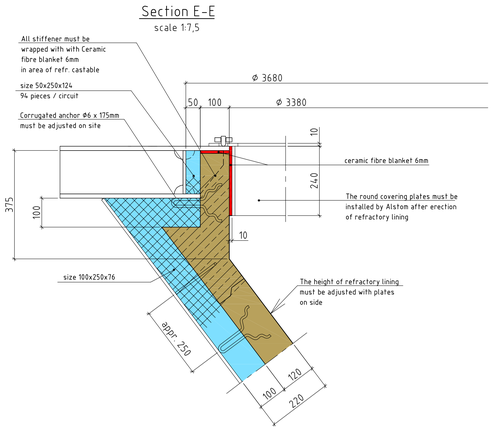


mortar joints appr. 2mm

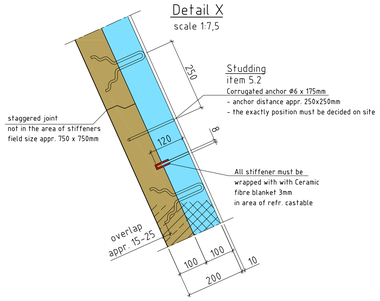
Section C-C
scale 1:20



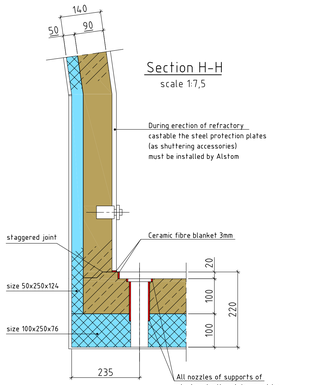
Section E-E
scale 1:7,5



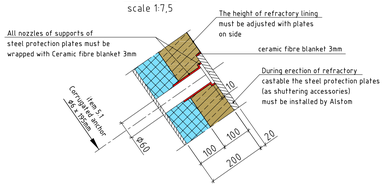
Detail X
scale 1:7,5



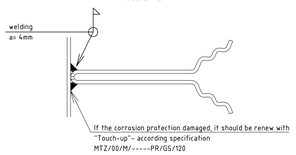
Section H-H
scale 1:7,5



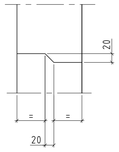
Detail Y
scale 1:7,5



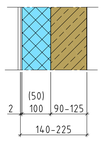
Standard fixing of anchor
scale 1:5



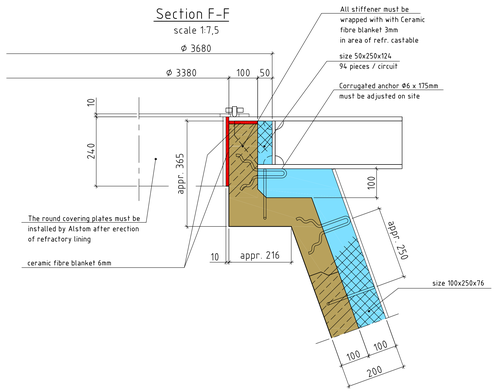
Standard for staggered joint
scale 1:5



Standard brick joints
scale 1:7,5



Section F-F
scale 1:7,5



Refractory Concrete	MAT PLUS MC 50 only in area without steel plates : + 2% steel fibres
Lightweight refractory castable	MAT 125
Insulation brick	Isolmos 450 with mortar: MAC-II
Ceramic fibre blanket / paper	1250°C

appertained parts list : 3.1

RELEASED FOR CONSTRUCTION 22.07.08
Drawing valid for Unit 1 and Unit 2

Rev.	Revision Date	Created by	Checked by	Approved by	Description	Status
1	22.07.2008	Hägenhoff	Buchholz	Blachetta	Released for Construction	Released
0	02.01.2008	Buchholz	Vake	Blachetta	First issue	Released

Project (Проект)
Maritza East I Power Station

Company (Възложител)

Space for stamp of Municipality of Galabovo
Място за печат на Община Гълъбово

Space for further stamps
Място за допълнителни печати

Area for Stamp of CQC Control (CCO (ICS))
Място за печат КК Control(ССО (Отдел контрол качество))

Space for stamp of authorized Bulgarian Designer
Място за печат на оторизиран български проектант

Main Contractor / Главен изпълнител
ALSTOM Power Generation AG Power Boiler GmbH

Partner of Main Contractor / Партньор на главния изпълнител

Resp. dept. / Отговорен отдел	Created by / Изготвил	Checked by / Проверил	Approved by / Одобрил	Format / Размер
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Scale / Мащаб: 1:20			For Company Review & Approval: За одобрение от Възложителя: Yes	
Derived from / Произлиза от	Replaces / Заменя		Doc. Type: Тип на документа: RFC	Document Status: Статус на документа: ES
Logo of Legal Owner / Юридическо съставяне			Sub Contractors Doc Number / Т-на документа на подизпълнителя	Consortium Partner Document Code: Код на документа на партньора от консорциума: 1.48120_00762_0006
MATHIOS REFRACTORIES S.A.			Title, Subtitle / Заглавие, подзаглавие: Refractory Lining Coal mills and Coal mill doors	Project Doc Number / Т-на проектния документ: MTZ/12/B/-----00762/ES/006

Rev.	Date	Lang.	Sheet
Pre. 1	02/01/2008	EN	Страница 1/1

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