

تاریخ:/...../.....
شماره:
پیوست:

شرکت مهندسی و پویش ساخت ذوب آهن اصفهان (سهامی خاص)



شناسه ملی: ۱۴۰۰۴۶۴۸۸۴۵
شماره ثبت: ۵۳۳۷۹

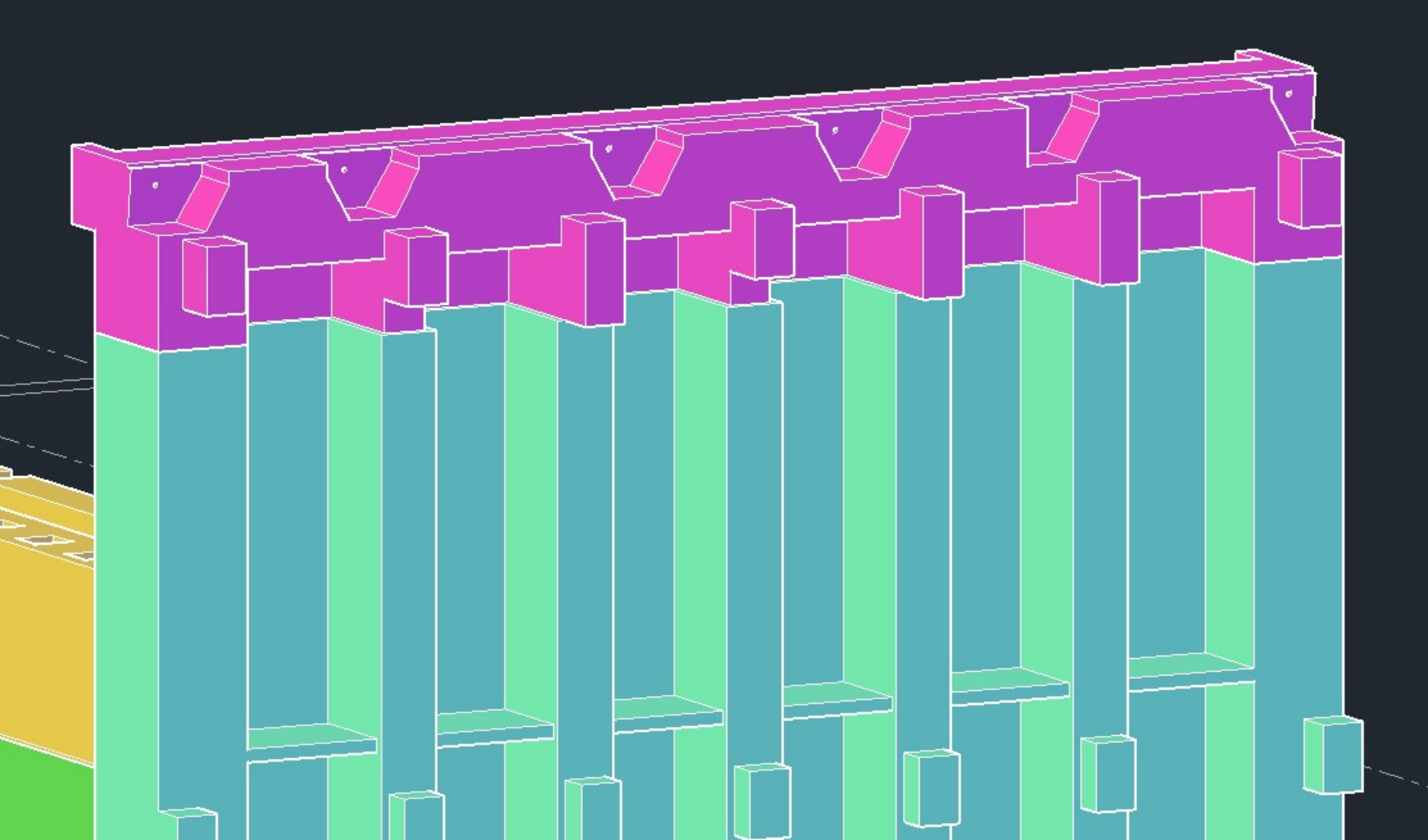
آگهی استعلام اجرای عملیات آرماتور بندی، قالب بندی و بتن ریزی باترس وال باتری ۲ (استعلام شماره ۱۴۰۳۰۰۲۰)

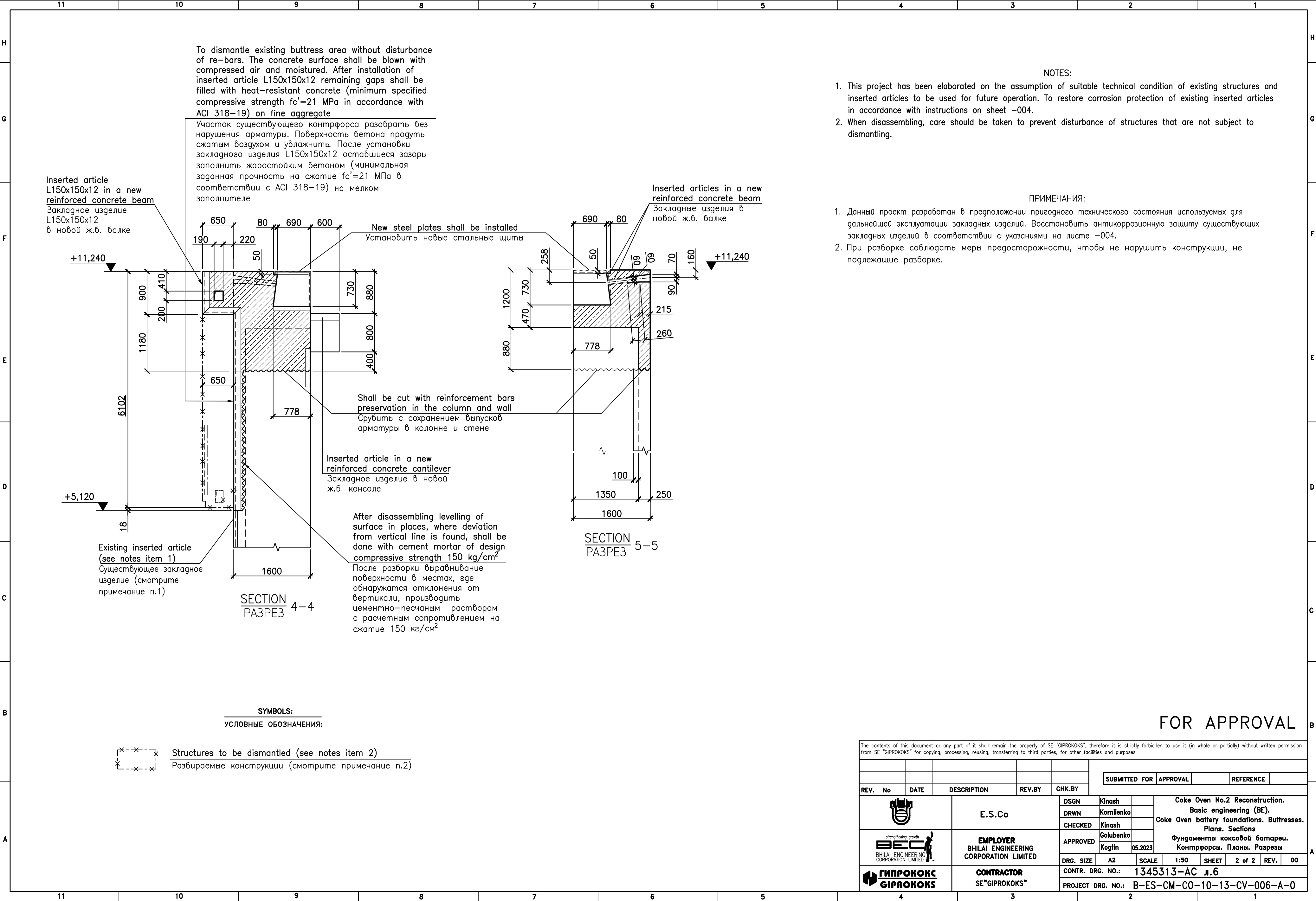
این شرکت در نظر دارد اجرای عملیات آرماتور بندی، قالب بندی، و بتن ریزی واترس وال باتری ۲ را از طریق استعلام بهاء به پیمانکار واجد شرایط واگذار نماید. متقاضیان می توانند ضمن بازدید از محل و در نظر گرفتن شرایط زیر نسبت به ارائه قیمت پیشنهادی خود حداکثر تا ساعت ۱۰ صبح روز چهارشنبه مورخ ۱۴۰۳/۰۴/۲۰ اقدام نمایند. (شماره تماس جهت سوالات فنی: آقای دکتر زهتاب ۰۹۱۳۲۲۹۰۴۵۵)

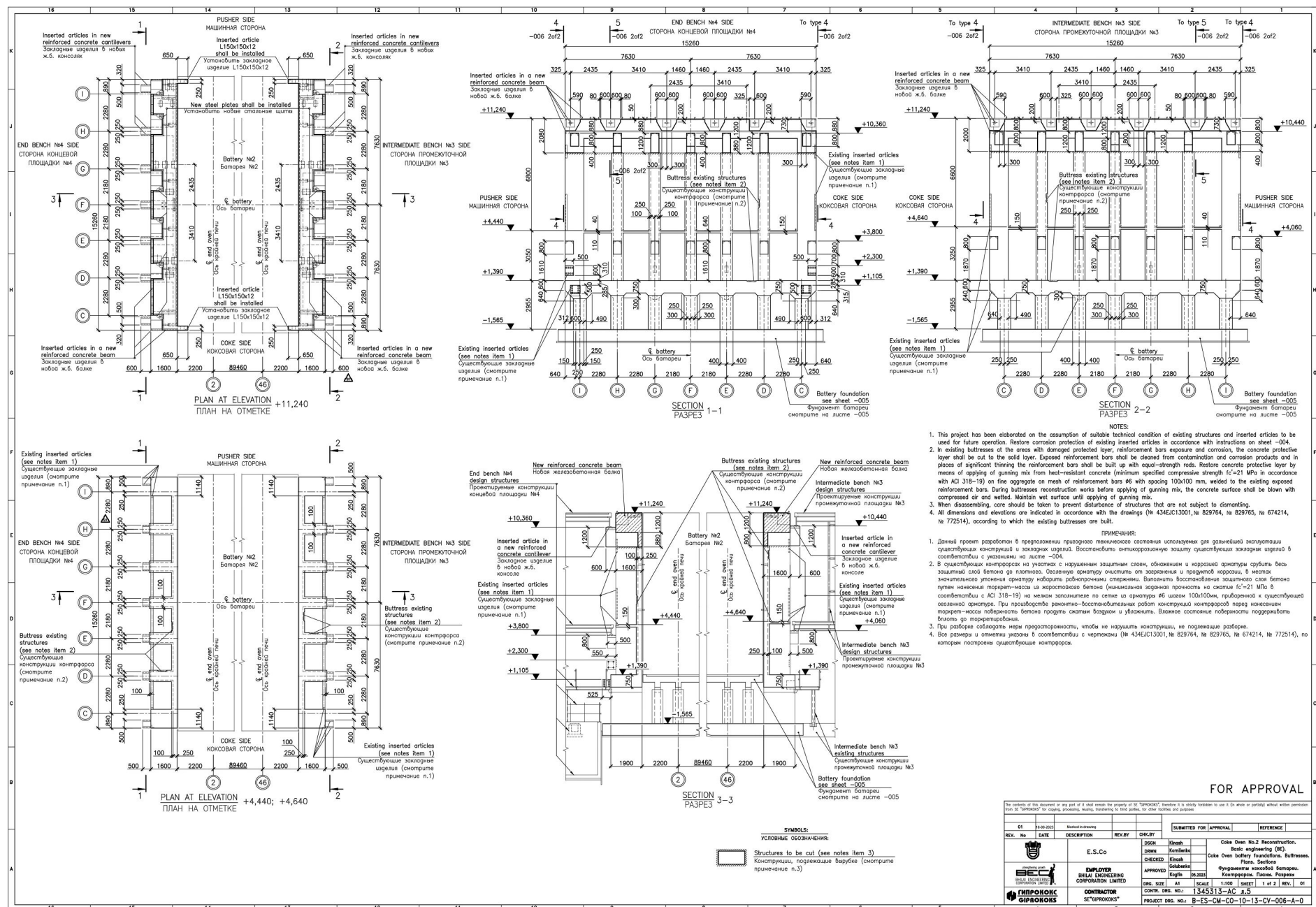
- ۱- بهای مورد قرارداد بر اساس صورت وضعیت که به تایید کارفرما رسیده باشد و بر مبنای قیمت پیشنهادی پرداخت می گردد.
- ۲- در صورت نیاز به هرگونه ماشین آلات جهت اجرای عملیات، تامین دستگاه و سوخت آن بعهده پیمانکار می باشد.
- ۳- شرکت در قبول و رد پیشنهادات مختار می باشد.
- ۴- کلیه کسورات قانونی اعم از بیمه و مالیات و ... بعهده پیمانکار می باشد.
- ۵- مسئولیت حفظ و نگهداری اموال پروژه از قبیل میلگرد و متریال و ... بعهده پیمانکار می باشد.
- ۶- برنده استعلام در صورت انعقاد قرارداد می بایست ۵٪ مبلغ پیشنهاد را به عنوان سپرده حسن اجرای تعهدات به نام شرکت واریز نماید.
- ۷- کلیه تجهیزات شامل قالب، دستگاه های خم و برش آرماتور و سایر تجهیزات مرتبط بعهده پیمانکار می باشد.
- پیشنهاد قیمت بایستی با امضاء و مهر یا اثر انگشت شرکت کننده و در پاکت در بسته ارائه گردد.
- اجرای آرماتور بندی با میلگرد آجدار از نوع AII یا AIII با قطر های زیر ۲۰ میلیمتر مبلغ پیشنهادی جهت ۳ تن.....ریال.
- اجرای آرماتور بندی با میلگرد آجدار از نوع AII یا AIII با قطر های ۲۰ و بالای ۲۰ میلیمتر مبلغ پیشنهادی جهت ۷ تن.....ریال.
-
- اجرای قالب بندی جهت ۳۰۰ مترمربع.....ریال.
- اجرای قطعات مدفون جهت ۴ تن.....ریال.
- اجرای بتن اصلی جهت ۱۰۰ مترمکعب.....ریال.

نام شرکت کننده: شماره اقتصادی یا کد ملی:
آدرس: تلفن:

امضاء و مهر یا اثر انگشت

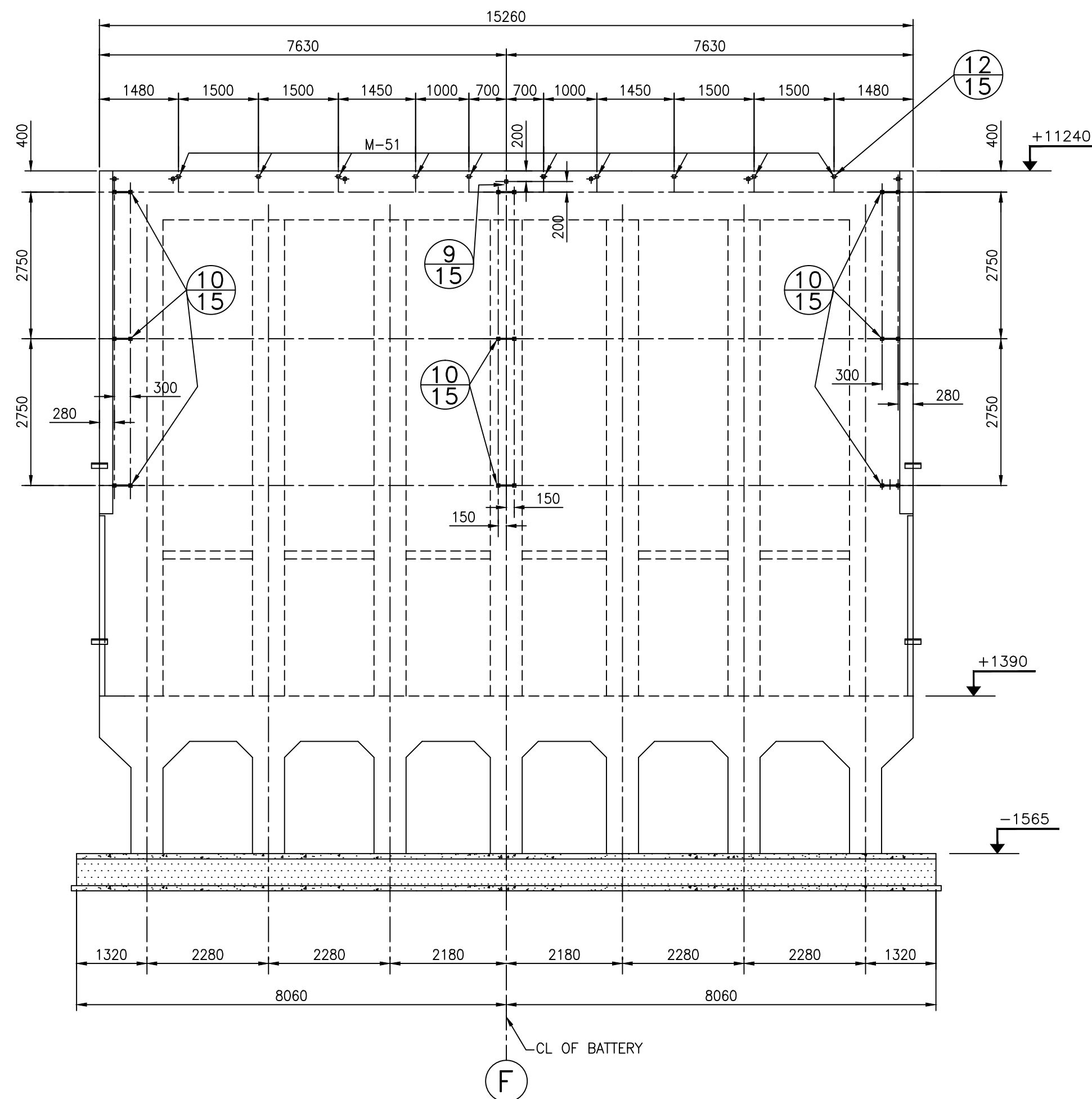




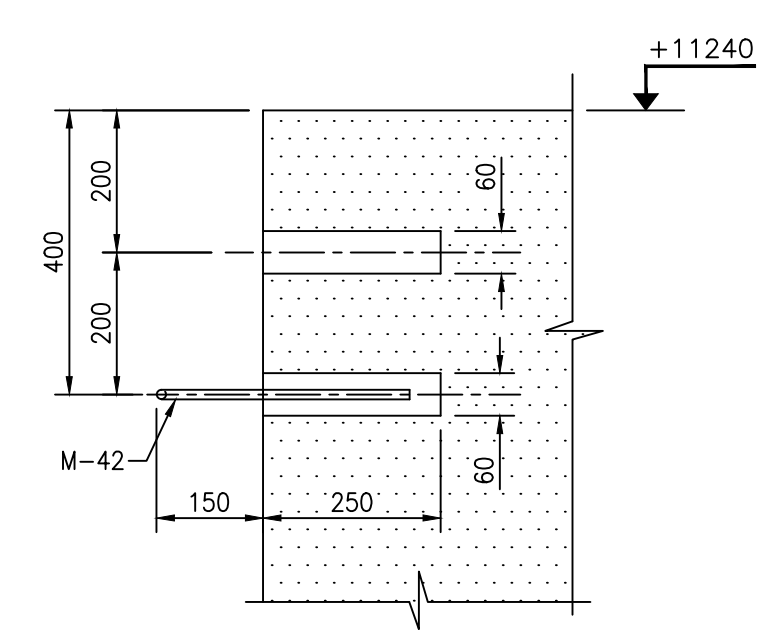
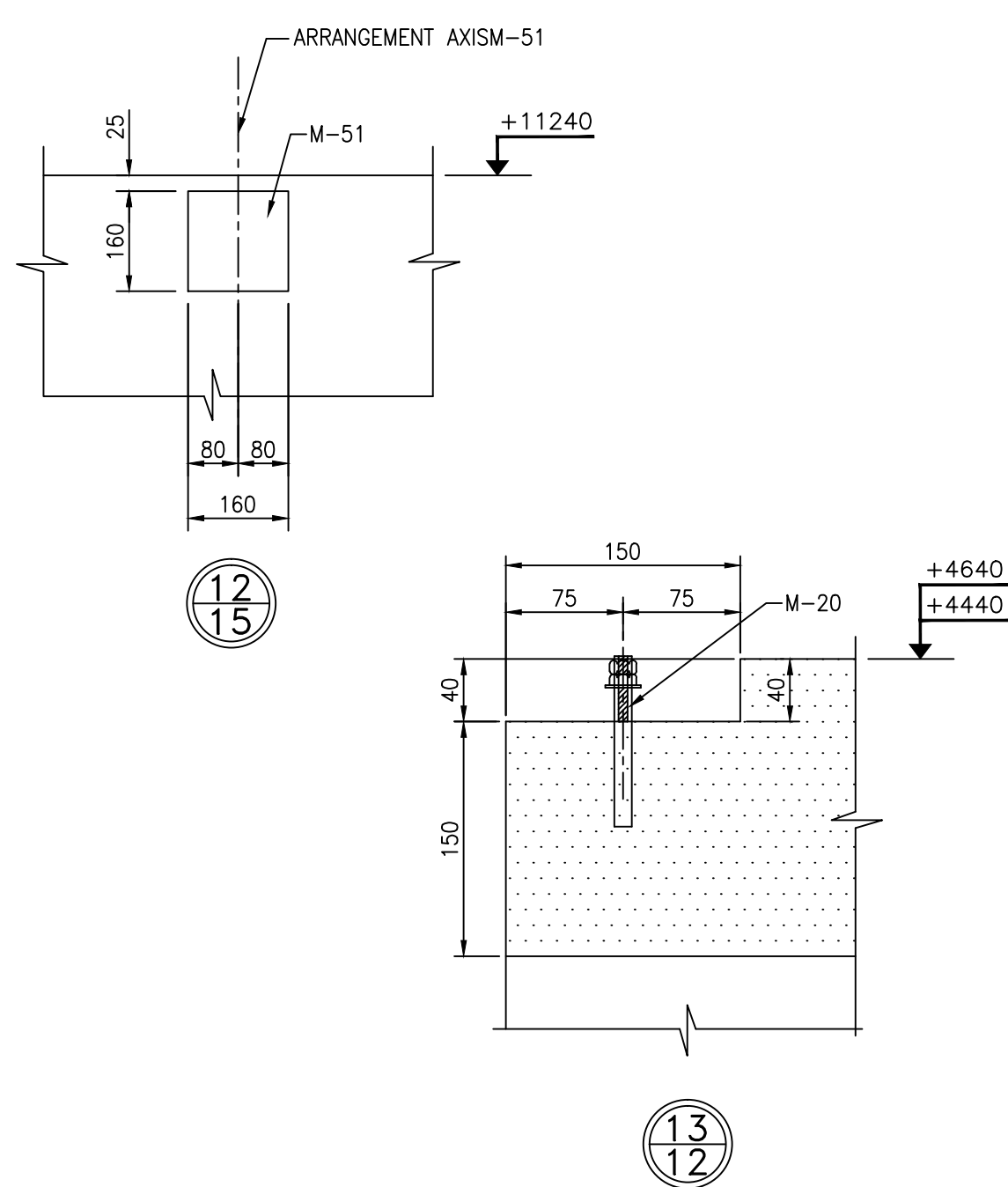


FOR APPROVAL

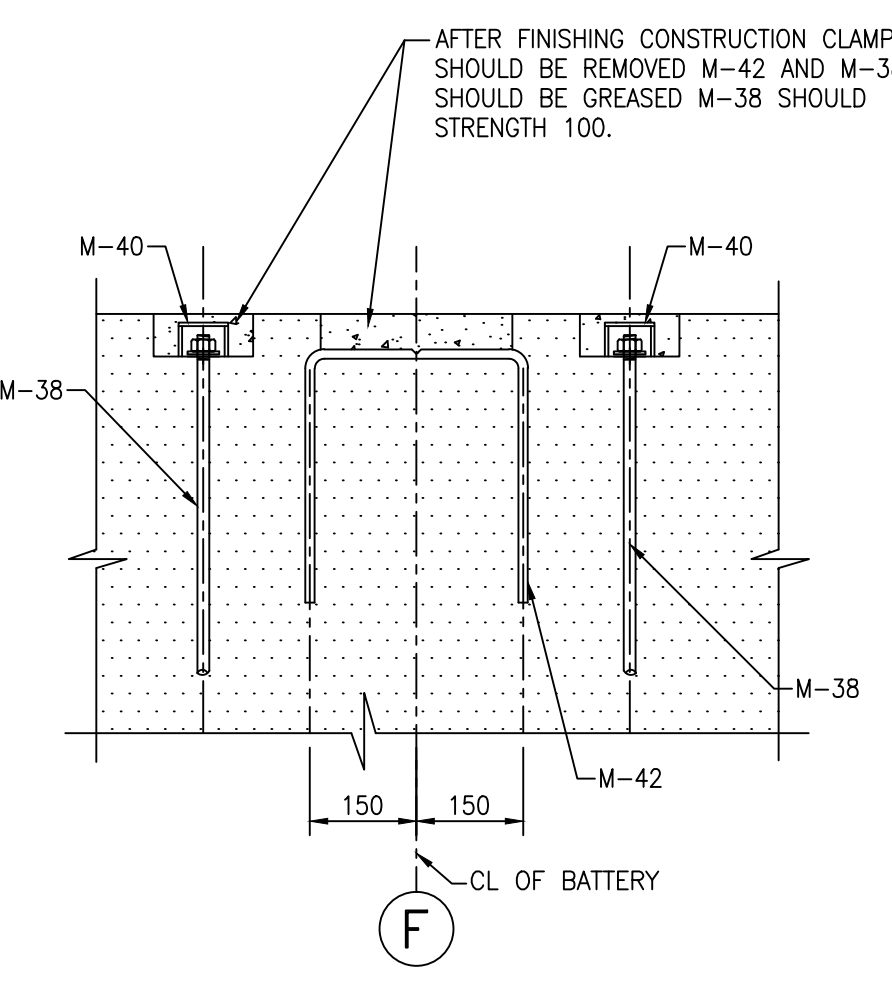
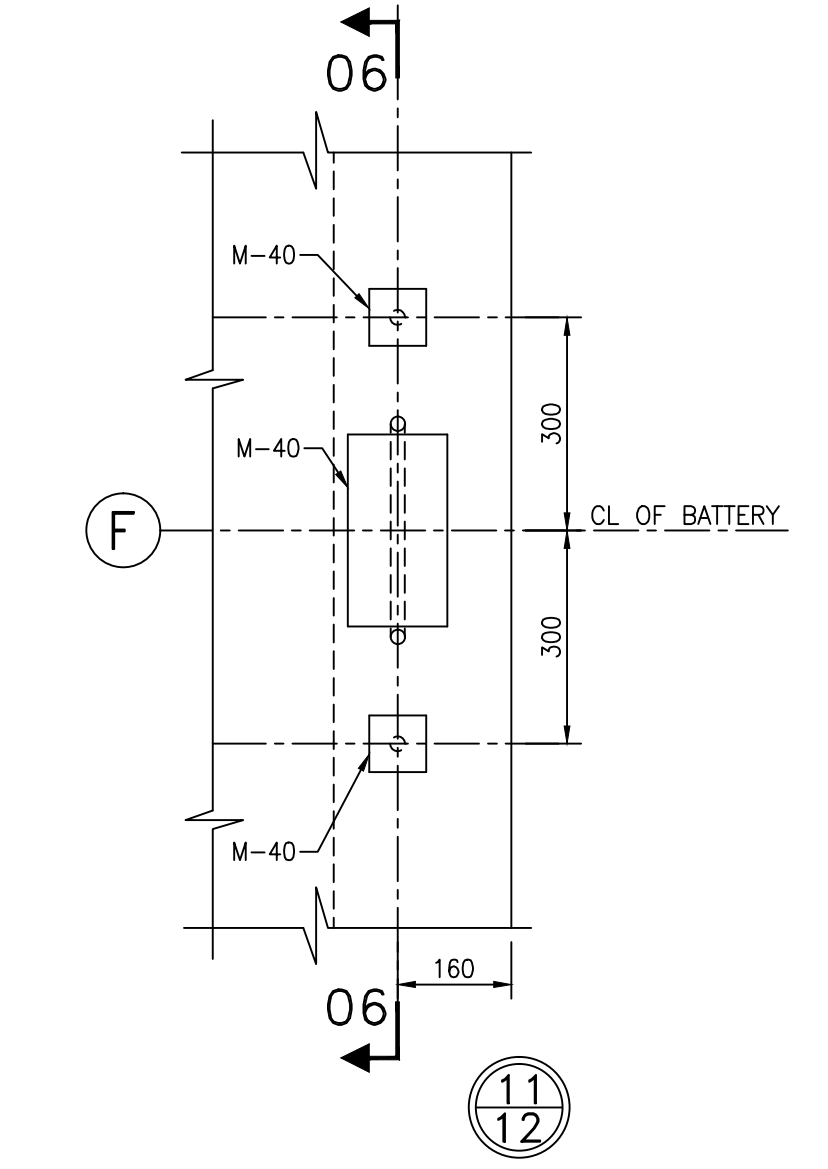
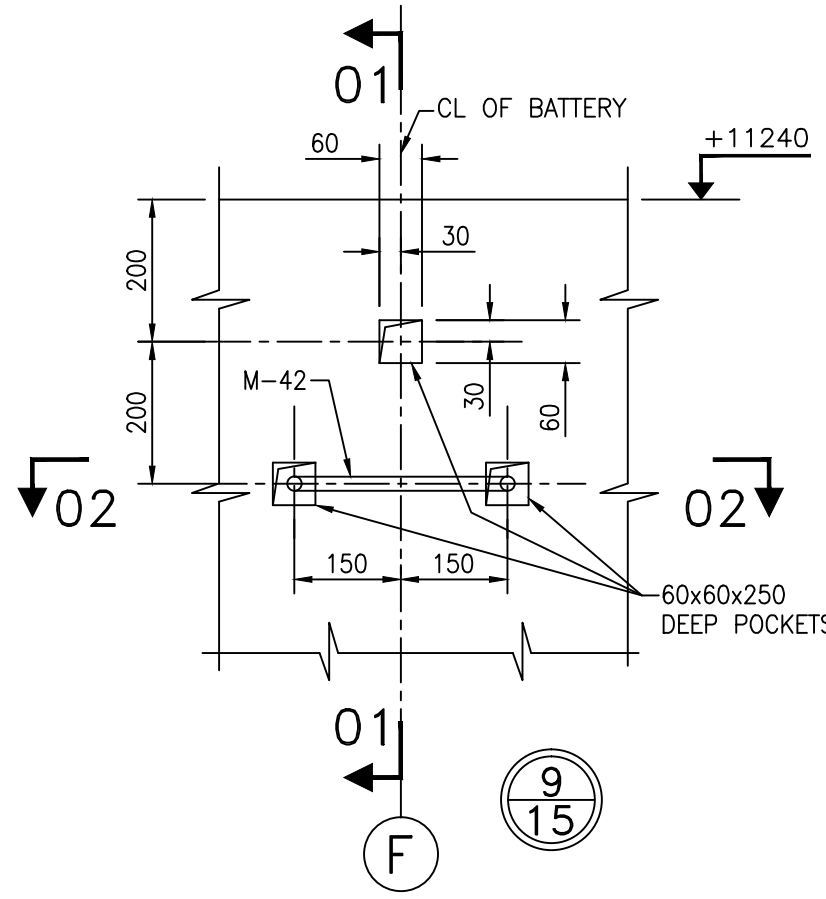
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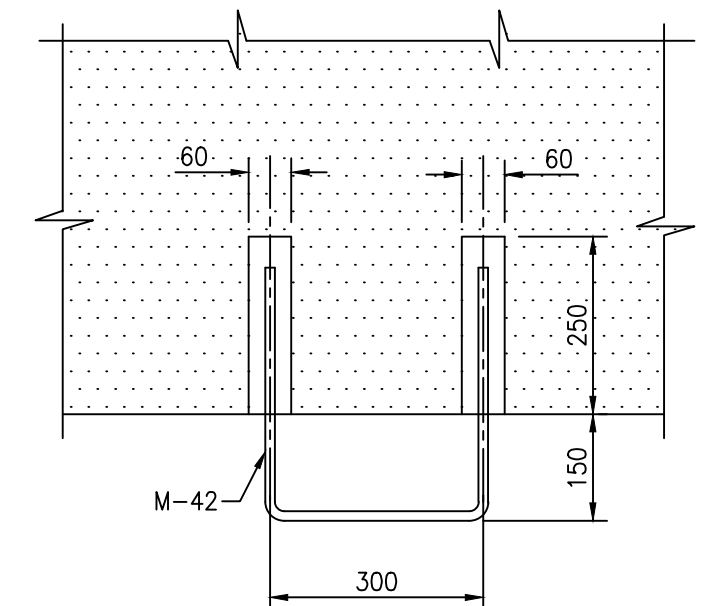
VIEW ALONG
SECTION 13-13



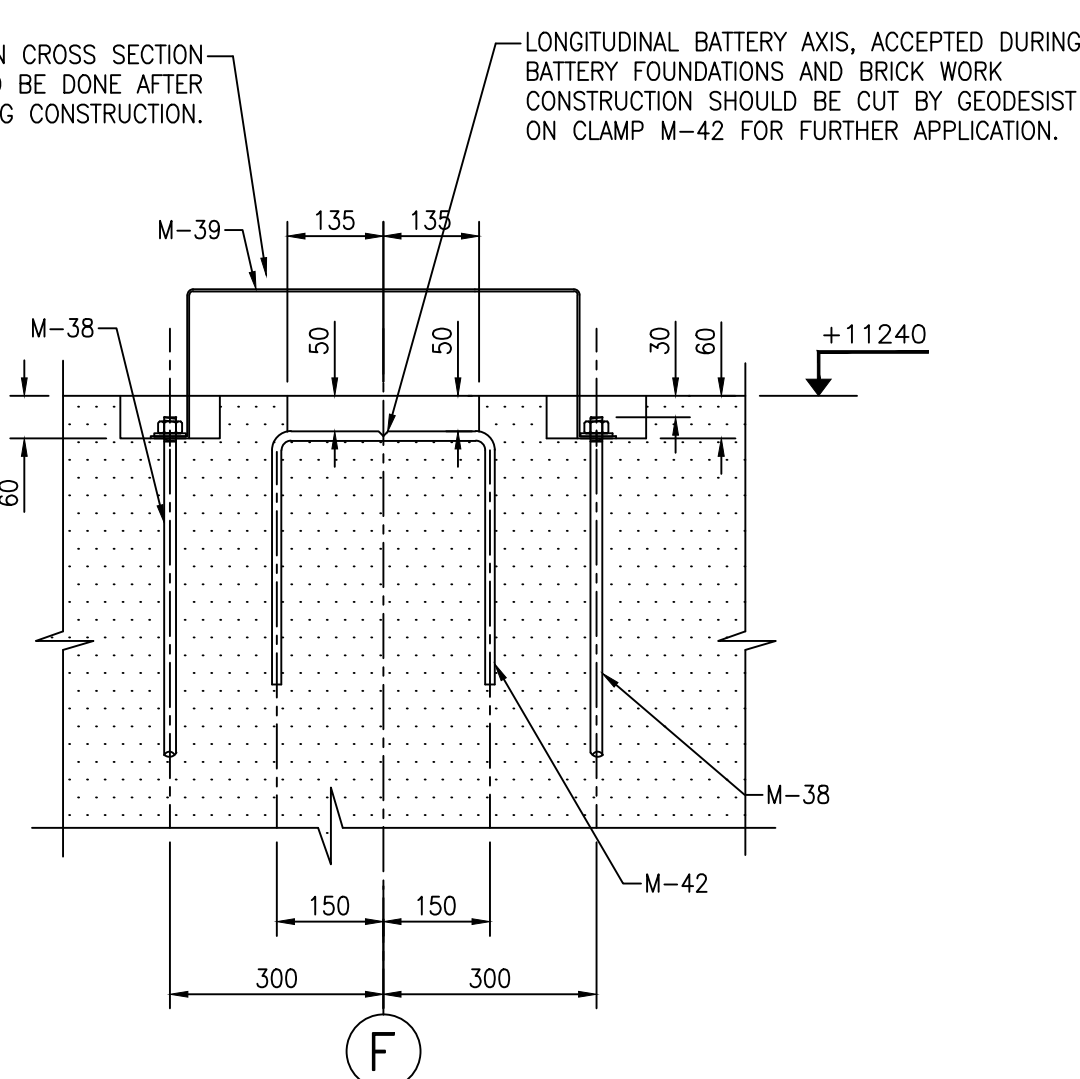
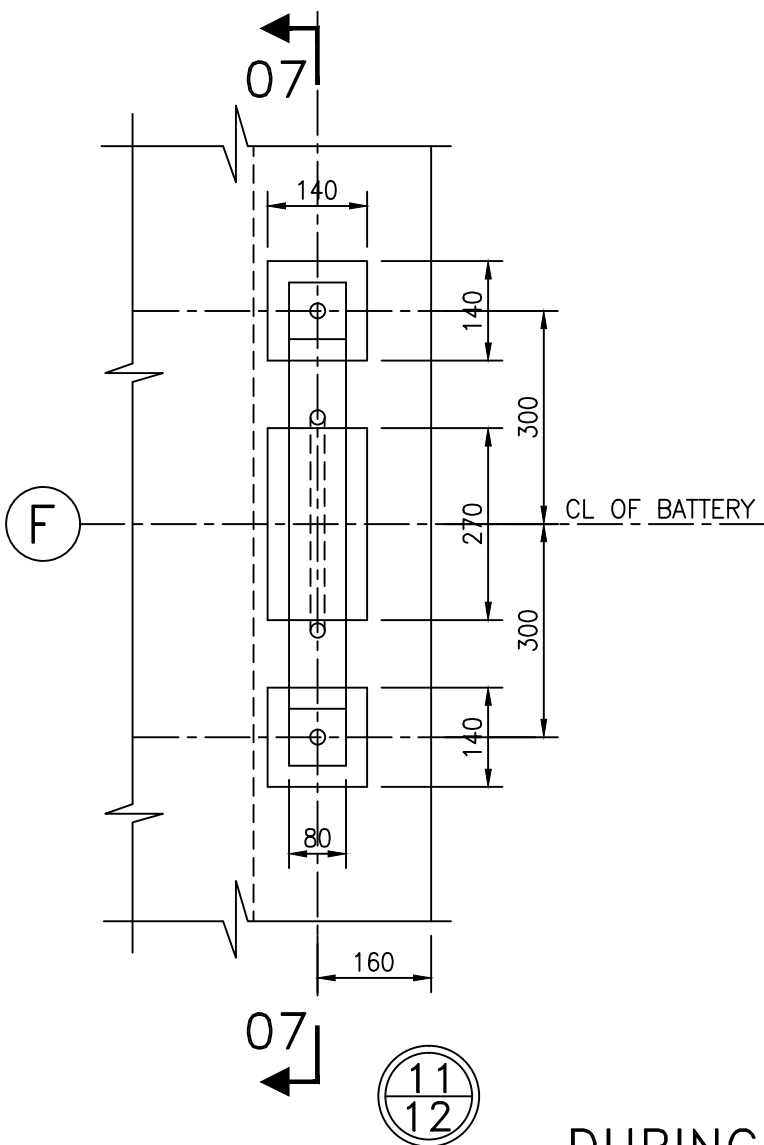
SECTION 01-01



SECTION 06-06



SECTION 02-02
CEMENT MORTAR, STRENGTH SO



SECTION 07-07

DURING CONSTRUCTION

NOTES-
1. THIS SHEET TO BE CONSIDERED TOGETHER WITH SHEET K-16.

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					SUBMITTED FOR APPROVAL		REFERENCE		
01	03.2023	Letter TN0014-CS							
REV. No.	DATE	DESCRIPTION	REV. BY	CHK. BY					
		E.S.Co		DSGN			Coke Oven No.2 Reconstruction. Coke Oven Battery Foundation BUTTRESS WALL, SECTIONS Battery Centre Line		
				DRWN	BK	07.2023			
				CHECKED	DS	08.2023			
				DS	08.2023				
		EMPLOYER BHIIL ENGINEERING CORPORATION LIMITED		APPROVED					
		CONTRACTOR SE"GIPROKOKS"		DRG. SIZE	A1	SCALE	1:10	SHEET	1 of 1
				CONTR. DRG. NO.:				REF.	Sh.K-15
				PROJECT DRG. NO.:	D-ES-CM-CO-11-17-CV-110-I-O				

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DESIGN CRITERION

1. Initial Statements

1.1 The documentation was elaborated in accordance with the technical assignment for the development of basic and detailed engineering for the reconstruction of Coke Oven Batt. No.2 and materials of inspection of battery foundations civil structures "Evaluation of Battery Concrete Structure Condition for Serviceability." Esfahan Steel Company, January 2023.

1.2 Absolute deviation equal to 1757.500 is assumed as conventional elevation 0.000

2. Initial Design Data

2.1 The base wind speed according to standard P5-E-CE-500 for Esfahan is 110 km/h and minimum design load is 0.77 kN/m². Steel Company, January 2023.

2.2 According to report "SURVEY & RESULT OF GEOTECHNICAL INVESTIGATION AT THE RECONST. OF BATTERY 2", performed by Amouneh Foulad Consulting Eng. Co. in Feb. 2022:

- the study area is a relatively medium risk zone and the basis of design seismic acceleration is 0.25g;
- the maximum bearing capacity of soil is equal to 2.5 kg/cm²

3. Constructive Concept

3.1 Structure of buttresses should be made of monolithic heat-resistant concrete.

3.2 Prior to new construction of buttresses, dismantling of existing buttresses should be done as per project drawing no. B-ES-CM-CO-10-13-CV-006-A-0 (Contr. drg no. 1345313-AC) 2 Sheets.

3.3 Concreting of the structure shall be made with use of vibrators and with close control excluding the possibility of concrete disintegration, formation of cavities and other defects.

3.4 Inserted articles and anchor bolts shall be installed before the concreting according to the instructions on the shuttering drawing. Foulad Consulting Eng. Co. in Feb. 2022:

..Contd. Sheet 2 of 3

SUBMITTED FOR		APPROVAL		✓		REFERENCE			
		E.S.C.o.		DSGN		DSGN		DSG.DATE	
		Esfahan Steel Company		DRWN		BK		02-09-23	
		EMPLOYER		CHECKED		DS		07-09-23	
		BHILAI ENGINEERING CORPORATION LIMITED		APPROVED		APPD.DATE			
		CONTRACTOR		SE"GIPOKOKS"		CONTR. DRG. NO.:			
		PROJECT DRG. NO.:		D-ES-CM-CO-11-18-CV-113-I-0					
REV. No		DATE		DESCRIPTION		REV.BY		CHK.BY	

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DESIGN CRITERION

3. Constructive Concept, Contd.

3.5 The quality of welded joint should be controlled. Joints shall be arranged alternately. Joints should be arranged in staggered pattern. In one section volume of joint should not exceed 50%.

3.6 Portion of buttresses not under dismantling shall be repaired as Note no. 2 of drawing no. B-ES-CM-CO-10.13.CV.006 (Sh 1)

3.7 All construction and erection work shall be done in accordance with the plant safety regulations.

3.8 For instruction on the instruction on the fabrication of Inserted articles Refer Drg. No. D-ES-CM-CO-11-18-CV-119-I-0.

4. Corrosion Protection

4.1 Steel structures are subject to anti-corrosion protection in accordance with general standards for painting and taking into account the aggression in condition of Coke Oven production.

4.2 The composition of the protective coating is adopted in accordance with the design criteria and as agreed with the client.

..Contd. Sheet 3 of 3

REV. No	DATE	DESCRIPTION	REV.BY	CHK.BY



E.S.C.o.
Esfahan Steel Company

EMPLOYER
BHILAI ENGINEERING
CORPORATION LIMITED

CONTRACTOR
SE"GIPROKOKS"

SUBMITTED FOR	APPROVAL	✓	REFERENCE	
DSGN	DSGN	DSG.DATE	Coke Oven NO.2 Reconstruction DESIGN CRITERIA BUTTRESS WALL RECONSTRUCTION	
DRWN	BK	02-09-23		
CHECKED	DS	07-09-23		
APPROVED		APPD.DATE		
DRG. SIZE	A4	SCALE: - NTS	SHEET- 2 of 3	REV. - 0
CONTR. DRG. NO.:				
PROJECT DRG. NO.- D-ES-CM-CO-11-18-CV-113-I-0				

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DESIGN CRITERION

INSTRUCTIONS FOR EMBEDDED ARTICLES MANUFACTURING

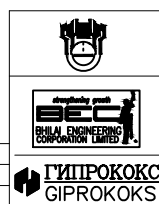
Bolts shall be manufactured with metric thread with nuts and washers. Threaded part of the bolt shall be protected from damages. The quality of welded connections of embeded articles Conforms to all normative requirements and shall be warranted by the Customer. The width of welded joints. except otherwise stated is the following

- a) at welding plates to each other – on the less thickness of welded elements
- b) at welding body of round section to plate – half of the diameter of welded body. but not less than 8mm (see unit "B" on the present drawing)
 - Outer surface of embedded articles shall be marked with indelible paint.
 - Instruction for embedded articles painting shall be as DIN 55928(Part 4).
 - Embedded articles shall be coated with primer loyer for protection against corrosion while storing.
- Covered electrodes for electric arc welding should conform to Iranian standard.

Materials

- rolled metal 5 to 20 mm thick – As per EN10029
- Rolled metal up to 20 mm thick – steel grade E-250A as per Indion standard IS:2062 (assortment IS:1730-1989)
- Equal, unequal angle bars, l-beams, channels as per European standard EN 17100.
- Steel pipes – Material as EN 10029
- Foundation bolts should conform to ESCo plant standard
- Nuts should conform to Iranian standard.
- Washers should conform to Iranian standard.
- Reinforcing rods:
- ☐– Periodical profile reinforcement bars grade Fe415 as per DIN 1045

REV. No	DATE	DESCRIPTION	REV.BY	CHK.BY



E.S.C.o.
Esfahan Steel Company

EMPLOYER
BHILAI ENGINEERING
CORPORATION LIMITED

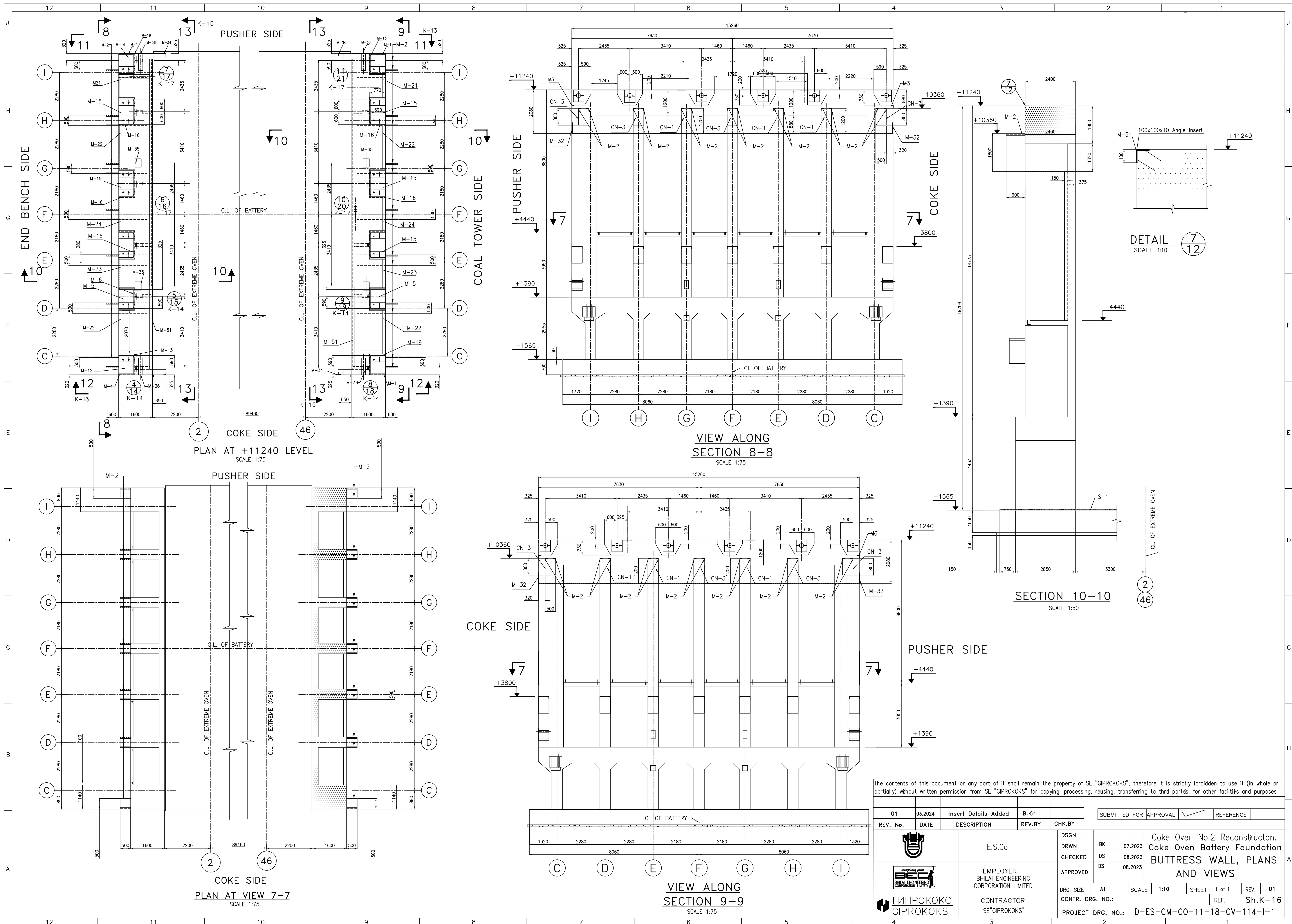
CONTRACTOR
SE"GIPROKOKS"

SUBMITTED FOR	APPROVAL	☒	REFERENCE	
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DRWN	BK	02-09-23		
CHECKED	DS	07-09-23		
APPROVED		APPD.DATE		
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CONTR. DRG. NO.:				
PROJECT DRG. NO.- D-ES-CM-CO-11-18-CV-113-I-0				

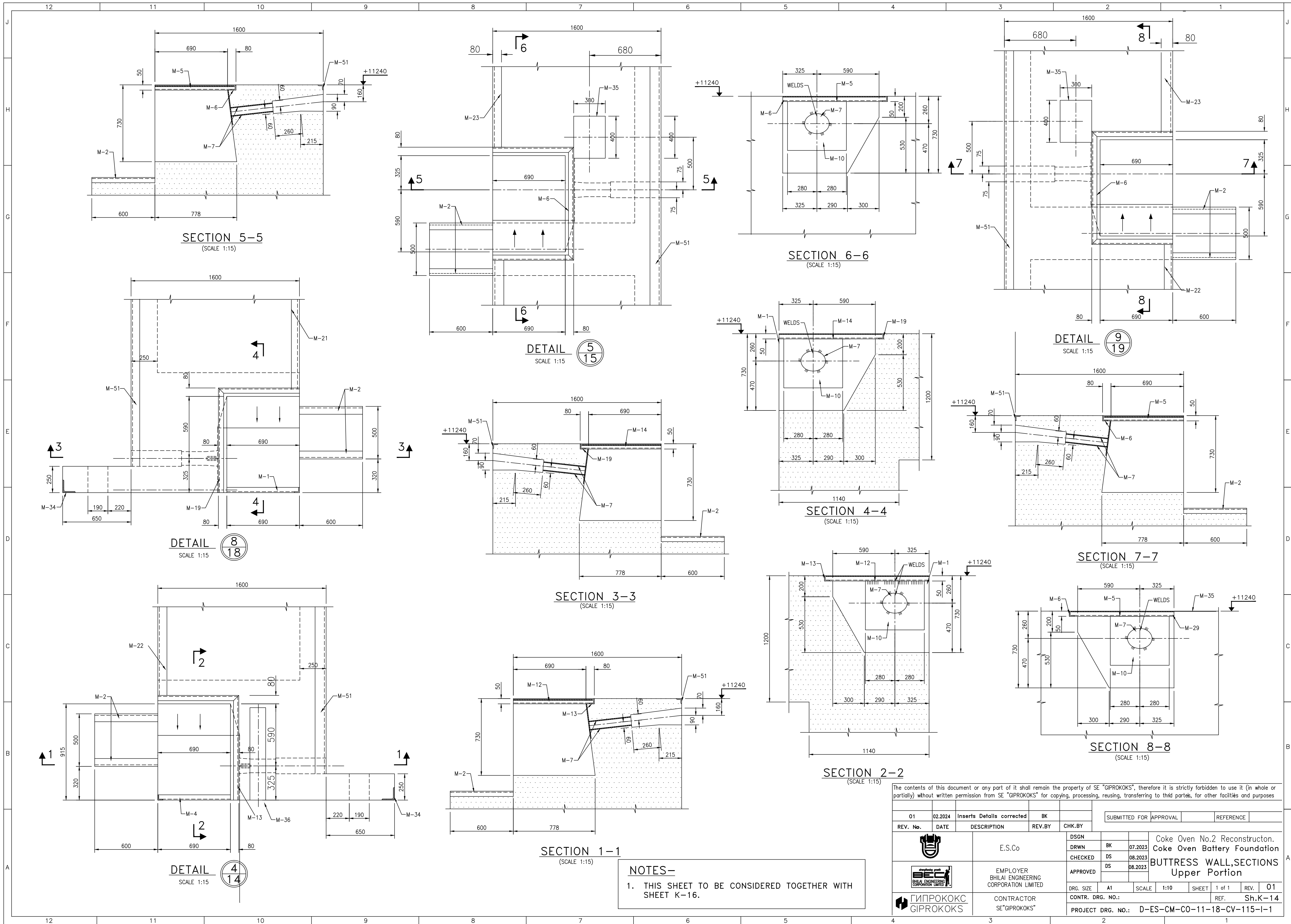
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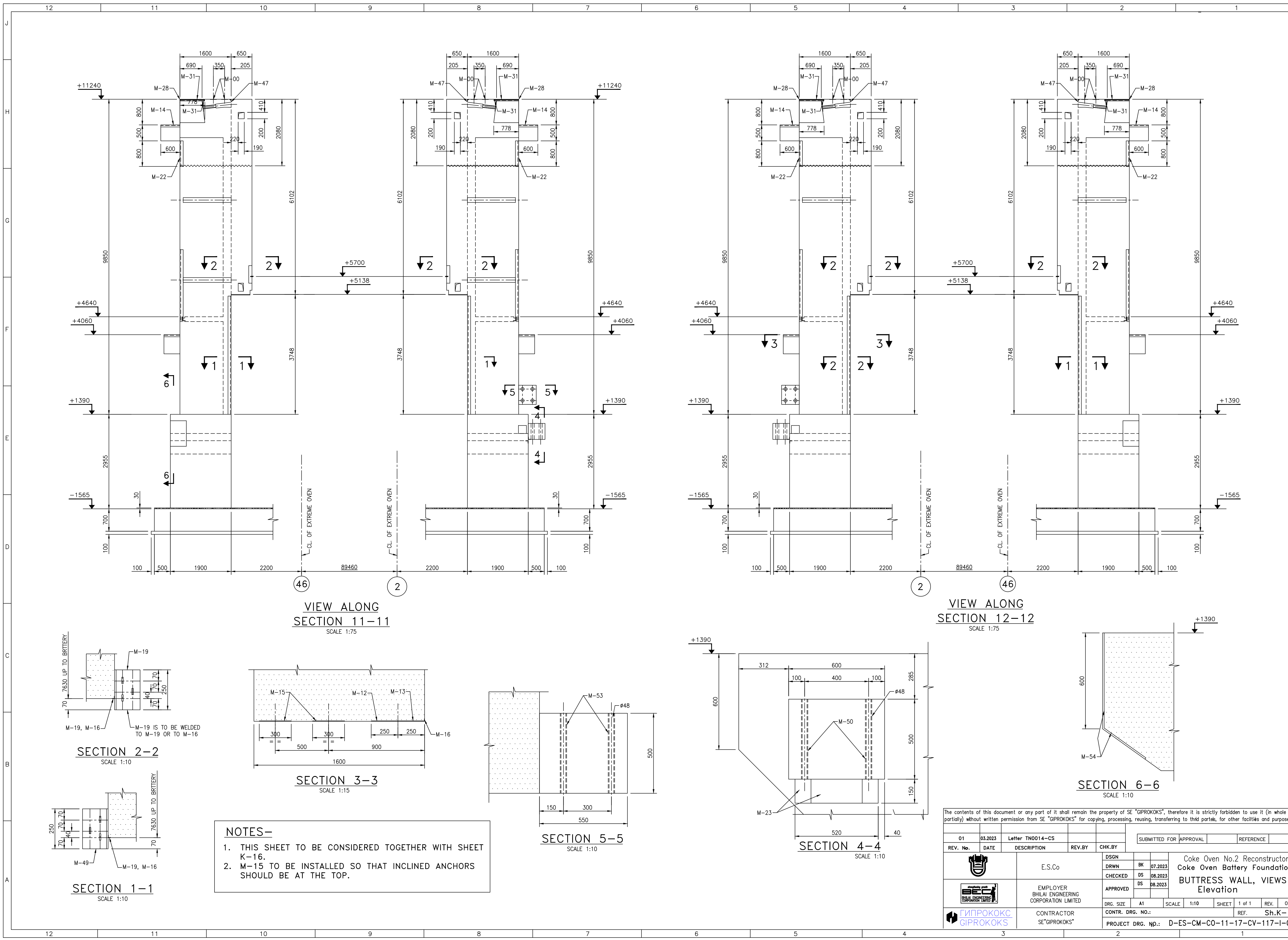


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01	03.2024	Insert Details Added	B.Kr						
REV. No.	DATE	DESCRIPTION	REV. BY	CHK. BY					
				SUBMITTED FOR APPROVAL ☒ REFERENCE ☐					
		E.S.Co		DSGN	BK	07.2023	Coke Oven No.2 Reconstruction. Coke Oven Battery Foundation BUTTRESS WALL, PLANS AND VIEWS		
				DRWN	DS	08.2023			
				CHECKED	DS	08.2023			
				APPROVED	DS	08.2023			
				DRG. SIZE	A1	SCALE	1:10	SHEET	1 of 1
				CONTR. DRG. NO.:			REV.	01	
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								PROJECT DRG. NO.: D-ES-CM-CO-11-18-CV-114-I-1	



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01	02.2024	Inserts Details corrected	BK			SUBMITTED FOR APPROVAL			
REV. No.	DATE	DESCRIPTION	REV. BY	CHK. BY		REFERENCE			
		E.S.Co		DSGN	BK	07.2023	Coke Oven No.2 Reconstruction. Coke Oven Battery Foundation BUTTRESS WALL, SECTIONS Upper Portion		
				CHECKED	DS	08.2023			
				APPROVED	DS	08.2023			
		EMPLOYER BHILAI ENGINEERING CORPORATION LIMITED		DRG. SIZE	A1	SCALE	1:10	SHEET	1 of 1
		CONTRACTOR SE "GIPROKOKS"		CONTR. DRG. NO.:		REF.	Sh.K-14	REV.	01
				PROJECT DRG. NO.:	D-ES-CM-C0-11-18-CV-115-I-1				



- NOTES-**
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 2. M-15 TO BE INSTALLED SO THAT INCLINED ANCHORS SHOULD BE AT THE TOP.

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01	03.2023	Letter TN0014-CS							
REV. No.	DATE	DESCRIPTION	REV. BY	CHK. BY	SUBMITTED FOR APPROVAL			REFERENCE	
		E.S.Co	DSGN			Coke Oven No.2 Reconstruction. Coke Oven Battery Foundation BUTTRESS WALL, VIEWS Elevation			
			DRWN	BK		07.2023			
			CHECKED	DS		08.2023			
			APPROVED	DS		08.2023			
		EMPLOYER BHILAI ENGINEERING CORPORATION LIMITED			DRG. SIZE	A1	SCALE	1:10	SHEET
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					CONTR. DRG. No.:	REF.			Sh.K-14
					PROJECT DRG. №:	D-ES-CM-CO-11-17-CV-117-I-0			

