

LOMBOK CFSPP FTP-2 (2X50 MW) PROJECT CONTRACTOR DOCUMENT REVIEW		Review	Discipline	Sign	
			Civil		
			Mechanical		
			Electrical		
			I & C		
Log In	Date : Comm. No :		Support		
A	☐ Approved	Distribution			
B	☐ Approved as Note		Contractor Record		
C	☐ Not Approved		Working Document		
I	☐ Information				
APPROVAL DOES NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS AND DEVIATIONS FROM CONTRACT REQUIREMENT					
By : Log Out			Date : Comm. No :		
Owner : 		PT. PERUSAHAAN LISTRIK NEGARA (PERSERO) UNIT INDUK PEMBANGUNAN NUSA TENGGARA			
Engineer : 		PT. PERUSAHAAN LISTRIK NEGARA (PERSERO) PUSAT ENJINIRING KETENAGALISTRIKAN			
Contract No :					
PLN Doc No :					
Title :		PAINTING REPORT FOR AREA C170			
Purpose :		ISSUE FOR APPROVAL			
Rev	Description	Prepared	Checked	Approved	Date
0	For Approval	Benridho 	Rusnandi 	Musato 	17-April-2025
 PT. HANAZONO ENGINEERING INDONESIA		ITEM NO			
		EQUIPMENT NAME		ESP PLATWORK FOR BOILER UNIT 2	
		PO.NO		LPP-10-F9-PO-239-R	
Contractor :		Consortium Of   GRUPA PBG		Doc. No : LPP-239-MEC-VS-246-V	

DOC. NO.:
LPP-239-MEC-VS-246-V

REV

0

DATE _____

17-April-2025

BY

BR

CHKD

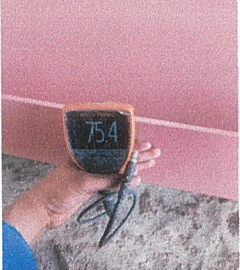
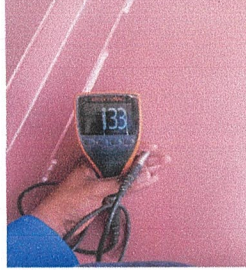
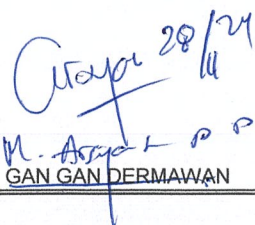
RSD

APVD

MRS

REVISION HISTORICAL SHEET

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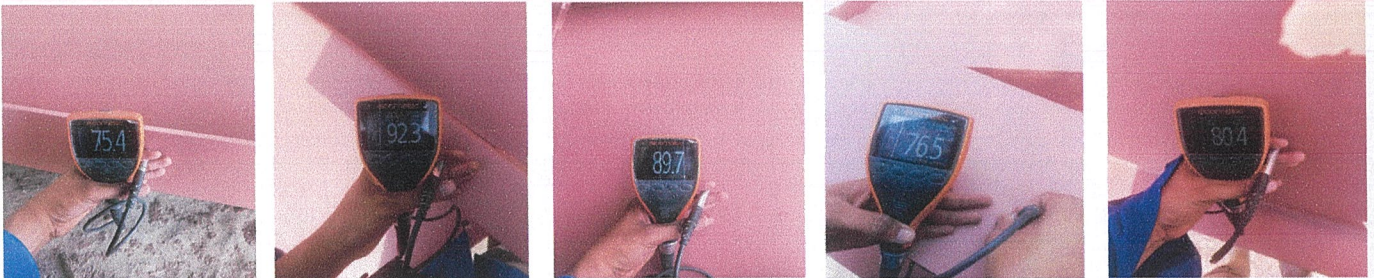
 PT. HANAZONO Engineering Indonesia We are always partner with you		PAINTING INSPECTION REPORT			 PT. PERUSAHAAN LISTRIK NEGARA (PERSERO) UNIT INDIK PEMBANGUNAN NUSA TENGGARA  Rekind GRUPA PBG									
INSPECTION TYPE : DRY FILM THICKNESS (DFT)				REPORT No. : LPP-239-MEC-PI-009-V PAGE : 1 OF 3										
PROJECT NAME : LOMBOK CFSPP FTP - 2 (2 X50 MW) PROJECT				DRAWING No. : LPP-239-MEC-VG-122-V ~ LPP-239-MEC-VG-124-V										
CLIENT : PT. REKAYASA INDUSTRI				REV. No : 2										
ITEM NAME : OB-240 LOMBOK C140 CHAMBER PART II				DATE : OCTOBER 20, 2024										
PO NO. : LPP-10-F9-PO-239-R/18-1206				JOB CODE : 2406										
SURFACE PREPARATION		Paint Application Methode		EQUIPMENT TEST										
Surface Cleanlines : ISO 8501 - 1 : 2007 / SA 2.5 / SSPC-SP 10		Conventional Spray		Merk : ELCOMETER										
Material Abrasive : SILICA SAND		Airless Spray		Type : A 456 CFBS										
		Roller		Serial No : XB15360										
PAINTING SPECIFICATION					CHECK CONDITION									
COAT .NO	TYPE PRODUCT	GENERIC NAME	COLOUR	DFT THICKNESS										
1st	HEMPADUR 85671	EPOXY PHENOLIC	LIGHT RED	75 Micron	DRY TEMP : 30°C									
2nd	-	-	-	-	WET TEMP : 25°C									
3rd	-	-	-	-	DEW POINT : 23°C									
BRAND HEMPEL				75 Micron	RH : 67%									
					STEEL TEMP : 31°C									
SKETCH :														
    														
PRIMER COAT														
No.	Point	ITEM NO.	SIZE	LENGTH	QTY	Spot Inspection Thickness (Micron)					DFT (Micron)		Average	RESULT
						A	B	C	D	E	Min	Max		
1	5	ELEMENT 170-E-07	1450 x 5182	5182	1	84	80	79	77	75	75	84	79,00	Acceptable
2	5	ELEMENT 170-E-08	1450 x 5182	5182	1	87	90	90	89	86	86	90	88,40	Acceptable
3	5	ELEMENT 170-E-12	1450 x 3925	3925	1	86	87	81	84	77	77	87	83,00	Acceptable
4	5	ELEMENT 170-E-19	1440 x 3348	3348	1	85	79	85	82	85	79	85	83,20	Acceptable
5	5	ELEMENT 170-E-26	1450 x 3925	3925	1	86	75	87	90	89	85	90	85,40	Acceptable
6	5	ELEMENT 170-E-02	2200 x 3348	3348	1	84	79	76	77	88	79	88	80,80	Acceptable
7	5	ELEMENT 170-E-03	2200 x 3348	3348	1	77	84	82	81	81	77	84	81,00	Acceptable
8	5	ELEMENT 170-E-14	2200 x 3348	3348	1	83	78	80	90	83	77	90	82,80	Acceptable
9	5	ELEMENT 170-E-16	2200 x 3348	3348	1	76	90	75	82	88	75	90	82,20	Acceptable
10	5	ELEMENT 170-E-15-1	3000 x 3348	3348	1	83	82	86	80	79	79	86	82,00	Acceptable
11	5	ELEMENT 170-E-15-2	3000 x 3348	3348	1	83	86	75	76	84	75	86	80,80	Acceptable
12	5	ELEMENT 170-E-17-1	3000 x 3348	3348	1	87	88	82	84	80	80	88	84,20	Acceptable
13	5	ELEMENT 170-E-17-2	3000 x 3348	3348	1	76	89	87	79	90	76	90	84,20	Acceptable
14	5	ELEMENT 170-E-01	2200 x 3348	3348	1	85	78	86	75	86	75	86	82,00	Acceptable
15	5	ELEMENT 170-E-20	1440 x 3348	3348	1	78	80	88	88	82	78	88	83,20	Acceptable
16	5	ELEMENT 170-E-21	2200 x 3348	3348	1	84	90	80	78	78	78	90	82,00	Acceptable
17	5	ELEMENT 170-E-09-1	1825 x 5182	5182	1	80	89	90	83	76	76	90	83,60	Acceptable
18	5	ELEMENT 170-E-09-2	1825 x 5182	5182	1	75	90	87	87	84	75	90	84,60	Acceptable
19	5	ELEMENT 170-E-10-1	1825 x 4064	4064	1	76	87	77	85	83	76	87	81,60	Acceptable
20	5	ELEMENT 170-E-10-2	1825 x 4064	4064	1	78	75	82	87	90	75	90	82,40	Acceptable
21	5	ELEMENT 170-E-11-1	1690x 3925	3925	1	88	78	86	80	85	78	88	83,40	Acceptable
22	5	ELEMENT 170-E-11-2	1690x 3925	3925	1	87	86	83	80	86	80	87	84,40	Acceptable
PREPARED BY. PT .GARDA URIP PROTEKSINDO			CHEKED BY. PT . HANAZONO ENGINEERING INDONESIA			WITNESSED/CHEKED BY. PT . REKAYASA INDUSTRI			APPROVED BY. PT. PERUSAHAAN LISTRIK NEGARA (PERSERO)					
 Tama Aranega			 Rusnandi			 M. Asyraf P P GAN GAN DERMAWAN								

PAINTING INSPECTION REPORT

INSPECTION TYPE : DRY FILM THICKNESS (DFT)		REPORT No. : LPP-239-MEC-PI-008-V
PROJECT NAME : LOMBOK CFSPF FTP - 2 (2 X50 MW) PROJECT		PAGE : 2 OF 3
CLIENT : PT. REKAYASA INDUSTRI		DRAWING No. : LPP-239-MEC-VG-051-V
ITEM NAME : OB-240 LOMBOK C140 CHAMBER PART II		REV. No : 0
PO NO. : LPP-10-F9-PO-239-R/18-1206		DATE : OCTOBER 14, 2024
		JOB CODE : 2406

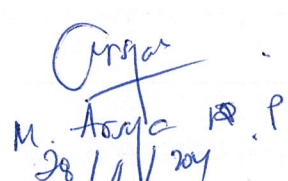
SURFACE PREPARATION			Paint Application Methode		EQUIPMENT TEST
Surface Cleanlines : ISO 8501 - 1 : 2007 / SA 2.5 / SSPC-SP 10			Conventional Spray		Merk : ELCOMETER
Material Abrasive : SILICA SAND			Airless Spray		Type : A 456 CFBS
			Roller		Serial No : XB15360
PAINTING SPECIFICATION					CHECK CONDITION
COAT .NO	TYPE PRODUCT	GENERIC NAME	COLOUR	DFT THICKNESS	DRY TEMP : 32°c WET TEMP : 27°c DEW POINT : 25°c RH : 68% STEEL TEMP : 36°c
1st	HEMPADUR 85671	EPOXY PHENOLIC	LIGHT RED	75 Micron	
2nd	-	-	-		
3rd	-	-	-	-	
BRAND HEMPEL				75 Micron	

SKETCH :



PRIMER COAT

No.	Point	Equipment / Area	SIZE	LENGTH	QTY	Spot Inspection Thickness (Micron)					DFT (Micron)		Average	RESULT
						A	B	C	D	E	Min	Max		
23	5	ELEMENT 170-E-13-1	1690 x 3925	3925	1	80	78	87	78	82	78	87	81,00	Acceptable
24	5	ELEMENT 170-E-13-2	1690 x 3925	3925	1	78	85	85	89	88	78	89	85,00	Acceptable
25	5	ELEMENT 170-E-04	1675 x 2001	2001	4	87	87	90	75	76	75	90	83,00	Acceptable
26	5	ELEMENT 170-E-05	1675 x 2001	2001	4	88	87	78	80	87	78	88	84,00	Acceptable
27	5	ELEMENT 170-E-06	2295 x 2761	2761	4	82	80	86	83	90	80	90	84,20	Acceptable
28	5	ELEMENT 170-E-22	2295 x 2761	2761	4	79	90	84	79	86	79	90	83,60	Acceptable
29	5	ELEMENT 170-E-18	2060x 2810	2810	4	88	88	80	76	87	76	88	83,80	Acceptable
30	5	ELEMENT 170-E-27	2060x 2810	2810	4	84	76	88	85	81	76	88	82,80	Acceptable
31	5	ELEMENT 170-PLATE NO. 24	100 x 2610	2610	8	76	89	83	78	90	76	80	83,20	Acceptable
32	5	ELEMENT 170-PLATE NO. 25	100 x 2100	2100	8	78	88	75	79	84	75	87	80,80	Acceptable
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PREPARED BY. PT .GARDA URIP PROTEKSINDO	CHEKED BY. PT . HANAZONO ENGINEERING INDONESIA	WITNESSED/CHEKED BY. PT . REKAYASA INDUSTRI	APPROVED BY. PT. PERUSAHAAN LISTRIK NEGARA (PERSERO)
 Tama Aranega	 21. 2024	 M. Arsyah P 28/11/2024	

PAINTING INSPECTION REPORT



PT. PERUSAHAAN LISTRIK NEGARA (PERSERO)
UNIT INDIK PEMBANGUNAN NUSA TENGGARA



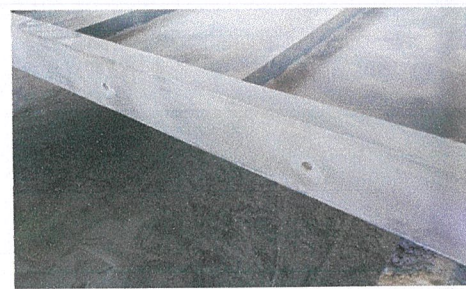
RAFAKO
GRUPA PBG

INSPECTION TYPE : SAND BLASTING ATTACHMEN PHOTOGRAPH		REPORT No. : LPP-239-MEC-PI-009-V
PROJECT NAME : LOMBOK CFSPP FTP - 2 (2 X50 MW) PROJECT		PAGE : 3 OF 3
CLIENT : PT. REKAYASA INDUSTRI		DRAWING No. : LPP-239-MEC-VG-122-V ~ LPP-239-MEC-VG-124-V
ITEM NAME : OB-240 LOMBOK C140 CHAMBER PART II		REV. No : 0
PO NO. : LPP-10-F9-PO-239-R/18-1206		DATE : OCTOBER 20, 2024
		JOB CODE : 2406

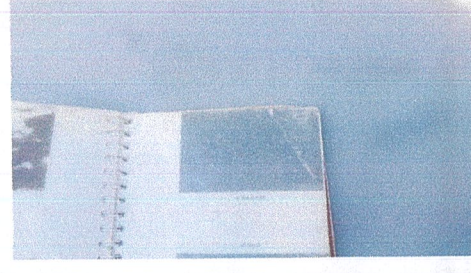
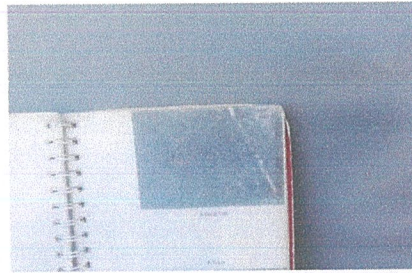
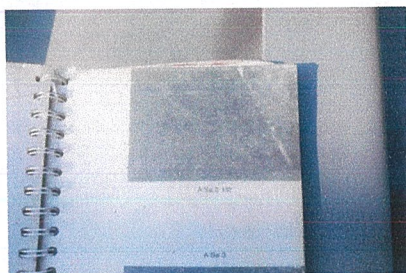
SKETCH BLASTING



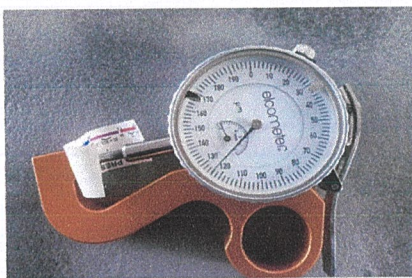
SKETCH BLASTING



SKETCH SA 2.5



Roughness check



Result

READING : 120 µm - 50 µm = 70 µm

PREPARED BY, PT. GARDA URIP PROTEKSINDO	CHEKED BY, PT. HANAZONO ENGINEERING INDONESIA	WITNESSED/CHEKED BY, PT. REKAYASA INDUSTRI	APPROVED BY, PT. PERUSAHAAN LISTRIK NEGARA (PERSERO)
 Tama Aranega	 Rusnandi	 M. Arja P. S. GAN GAN DERMAWAN	