Steel Bar Circular

Issue No.: 4/2024

Date : 02 October 2024

I enclose the following for your information:

- (i) List of Bar Pattern Codes for Quality Assured Manufacturers to CS2:2012 Grade 500B / BS4449:2005 Grade B500B (October 2024)
- (ii) List of Bar Pattern Codes for Quality Assured Manufacturers to CS2:2012 Grade 500C / BS4449:2005 Grade B500C (October 2024)
- (iii) List of Bar Pattern Codes for Quality Assured Manufacturers to CS2:1995 (October 2024)
- (iv) List of Quality Assured Stockists to CS2:2012 (October 2024)
- (v) List of Quality Assured Stockists to CS2:1995 (October 2024)
- (vi) List of Revision to Drawings on Bar Pattern of Confirmed Origin Manufactured to CS2 / BS4449:2005 (October 2024)
- (vii) List of Drawings on Bar Pattern of Confirmed Origin Manufactured to CS2 / BS4449:2005 (October 2024)
- (viii) A complete set of drawings on bar pattern of confirmed origin.
- 2. Please note the following:
 - (i) Lists of bar pattern codes for manufacturers and stockists to CS2:2012 / BS4449:2005 are added to respond to its publication.
 - (ii) Stockists on CS2:2012 list will automatically comply with the requirements of CS2:1995 but not vice versa.
- 3. The above lists were compiled based on the information available and will be uploaded to our web-site of https://www.cedd.gov.hk/eng/public-services-forms/geotechnical/laboratory-testing/public-works-laboratories/index.html.
- 4. If any updating or amendments to QA status for stocklists and manufacturers are required, please contact PTO/Lab2, Mr. H.L. LI, at telephone number 2305 1275, or in writing to the Public Works Central Laboratory Building, 2B Cheung Yip Street, Kowloon Bay, Kowloon, Hong Kong.

(SNGOH)

for Chief Geotechnical Engineer/Materials & Testing Geotechnical Engineering Office Civil Engineering and Development Department

<u>List of Bar Pattern Codes for Quality Assured Manufacturers to</u> <u>CS2: 2012 (October 2024)</u>

	1				1	Page 1 of 3
Origin	Bar Pattern Code	Manufacturer Name	CS2:2012 Grade 500B	CS2:2012 Grade 500B (Coil)	BS4449:2005 Grade B500B (Coil / Decoiled Bar)	Q.A. Cert. Expiry Date
Algeria	ALA1	Tosyali Algerie Fer Et Acier	#		,	11.12.2021
	ALA2	Algerian Qatari Steel	#			29.01.2026
China	CHA82	Shenzhen Welmetal Steel Co., Ltd.	#			08.06.2017
	CHA85, CHA103	Tianjin Tiantie Zhaer Steel Production Co. Ltd.	#			17.11.2016
	CHA86	Jiangsu Yonggang Group Co., Ltd.	#	#	#	19.05.2025
	CHA87	Tianjin Iron & Steel Group Co., Ltd.	#			15.09.2018
	CHA88	Rizhao Steel Wire Co., Ltd	#			15.09.2018
	CHA93	Gaoming Jianming Steel Rolling Fty. Ltd. of Foshan	#			22.06.2018
	CHA96	Guangzhou Panyu Yufeng Iron & Steel Co., Ltd.	#			07.07.2025
	CHA97	Hebei Taigang Iron and Steel Rolling Co., Ltd	#			30.06.2016
	CHA98	Jiangsu Prosperity Steel Co., Ltd.	#			06.01.2015
	CHA101	Wuhu Xinxing Ductile Iron Pipes Co., Ltd.	#			25.07.2017
	CHA102	Tianjin Metallurgy Group Zha San Metal Material Science & Technology Co., Ltd.	#			15.09.2018
	CHA104	Zhuhai Yueyufeng Iron & Steel Co., Ltd.	#			07.07.2022
	CHA105, CHA116	Jiangyin Xicheng Steel Co., Ltd.	#			26.09.2023
	CHA106	Jiangsu Shagang Group Co., Ltd.	#			07.05.2022
	CHA108	Guangxi Guigang Iron and Steel Group Co., Ltd.	#			15.09.2024
	CHA109, CHA140	Zenith Steel Group Co., Ltd.	#			14.06.2024
	CHA112	Benxi Beiying Iron & Steel (Group) Co., Ltd.	#			19.05.2023
	CHA114, CHA151	Hebei Jinxi Iron and Steel Group Co., Ltd.	#			12.08.2022
	CHA115	Shandong Iron and Steel Company Ltd. Laiwu Company	#			27.01.2024
	CHA117	SGIS Songshan Co., Ltd.	#			08.05.2024
	CHA163	Guangdong Zhongnan Iron & steel Co., Ltd.	#	#		08.05.2027
	CHA118, CHA155,	Shandong Laigang Yongfeng Steel Corp.	#			05.09.2024
	CHA156 CHA149	Shandong Laigang Yongfeng Steel Corp.		#	#	05.09.2021
	CHA122	Jiangsu Xinlin Iron & Steel Co. Ltd.	#			27.10.2017
	CHA124	Lingyuan Iron & Steel Co., Ltd.	#			15.09.2018
	CHA125	Shiheng Special Steel Group Co., Ltd. (Note 4)	#			27.12.2023
	CHA126, CHA147	Fushun New Steel Corporation Ltd.	#			30.10.2025
	CHA127	Jiangyin City Changda Steel Co., Ltd.	#			06.12.2025
	CHA128	Jiangsu Shagang Group Co., Ltd.	#		#	07.05.2022
	CHA129	Jiangsu Yang Steel Special Steel Co., Ltd.	#			16.07.2016
	CHA131	Anhui Changjiang Steel Co., Ltd.	#			23.09.2018
	CHA134	Shandong Iron & Steel Co., Ltd. Jinan Company	#			23.09.2018
	CHA136	Angang Steel Company Ltd.	#			02.07.2018
	CHA138	Xinxing Ductile Iron Pipes Co., Ltd.	#			31.07.2018
	CHA141	Northern Guangdong United Steel and Iron Co., Ltd.	#			29.01.2019
	CHA143, CHA148	Xuanhua Iron & Steel Group Co., Ltd.	#			30.06.2018
	CHA144	Longnan Fuxin Iron & Steel Co., Ltd.	#			14.09.2018
	CHA146	Guangzhou Iron and Steel Holdings Ltd.	#			28.09.2019
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		CS2 : 2012 (October 2024)				Page 2 of 3
Origin	Bar Pattern Code	Manufacturer Name	CS2:2012 Grade 500B	CS2:2012 Grade 500B	BS4449:2005 Grade B500B	Q.A. Cert. Expiry Date
China	CHA154	Tangshan Donghua Steel Enterprise Group Co., Ltd.	#	(Coil)	(Coil / Decoiled Bar)	20.12.2024
	CHA152, CHA173	Guangdong Huamei Baohua New Material Development Co., Ltd.	#			22.03.2027
	CHA157	Fangda Special Steel Technology Co., Ltd.	#			17.11.2020
	CHA158	Jiangsu Province Binxin Steel Group Co., Ltd.	#			06.08.2024
	CHA159	Jingye Iron and Steel Co., Ltd.	#			30.08.2024
	CHA160	Hebei Xinda Iron & Steel Group Co., Ltd.	#			19.01.2023
	CHA161	Guangzhou Iron & Steel New Material Co., Ltd.	#			07.03.2025
	CHA162	Guangdong Gangyuan Metal Industry Co., Ltd.	#			06.08.2027
	CHA164, CHA172	Guangxi Iron & Steel Group Co., Ltd.	#	#		19.06.2025
	CHA165	Liuzhou Iron & Steel Company Limited	#	#		19.06.2025
	CHA166	Shandong Iron & Steel Group Yongfeng Lingang Corporation	#			21.02.2025
	CHA167	Rizhao Steel Holding Group Co., Ltd.	#			08.12.2024
	CHA168	Tongling City Xuanli Special Steel Co.,Ltd.	#			04.11.2023
	CHA169	Zenith Steel Group (Nan Tong) Co., Ltd.	#			14.09.2025
	CHA170	Guangdong Shengye Steel Company Ltd.	#			19.06.2026
	CHA171	Yangchun New Iron & Steel Co., Ltd.	#	#		10.07.2025
Hong Kong	HKG8	Shiu Wing Steel Limited	#			16.09.2026
	HKG9	Shiu Wing Steel Limited	#			16.09.2026
India	INAI	JSW Steel Limited	#			22.12.2022
India						
	INA2, INA3	Jindal Steel & Power Limited	#			27.09.2023
	INA4	ESL Steel Ltd.	#			15.05.2025
Indonesia	IND6	PT. Putra Baja Deli	#			15.05.2022
	IND7, IND8	PT. TUNGGAL JAYA STEEL	#			07.09.2023
	IND9	PT. Dexin Steel Indonesia	#			09.11.2025
Japan	JPN9	SANKO SEIKO CO., LTD.	#			31.08.2023
Korea	KOR23, KOR24	Dachan Steel Co., Ltd.		#	#	30.07.2021
Malaysia	MAL19	Southern Steel Berhad	#			27.08.2021
	MAL20, MAL21,	Alliance Steel (M) Sdn. Bhd.	#			23.12.2024
	MAL22 MAL23	Amsteel Mills Sdn. Bhd.		#		07.12.2025
Oman	OMNI	Jindal Shadeed Iron and Steel LLC	#			10.05.2021
	OMN2	Jindal Shadeed Iron and Steel LLC	#			25.04.2024
	OMN3	Moon Iron & Steel Co. S.A.O.C	#			19.04.2024
	OMN4	Sohar Steel L.L.C.	#			09.05.2026
Qatar	QTR2	Qatar Steel Company	#			09.04.2021
	QTR3	Qatar Steel Company (Q.P.S.C) (Note 3)	#			08.06.2026
Russia	RUS5	JSC "EVRAZ Consolidated West Siberian Metallurgical Plant	#			10.11.2023
	RUS7	Abinsk Electric Steel Works, Ltd.	#			20.10.2025
	RUS8	AO Steel Works Balakovo	#			18.05.2026
Saudi Arabia	SDA6	Al-Ittefaq Steel Products Company	#			05.01.2026
	SDA7, SDA8	Saudi Iron and Steel Company (HADEED)	#			01.04.2025
Singapore	SGP6, SGP7	Natsteel Holdings Pte. Ltd.		#	#	06.03.2027
	SGP8	Natsteel Holdings Pte. Ltd.	#			06.03.2027
Spain	SPN17	Nervacero S.A. (Barrio Ballonti)		#	#	24.06.2024
·	SPN19	Compañía Española de Laminación, S.L. (CELSA Barcelona)		#		20.03.2027
Taiwan	TAW13	Power Steel Co., Ltd.	#			09.05.2022
	TAW14	Wei Chih Steel Industrial Co., Ltd.	#			28.06.2025
Turkey	TUK33	ICDAS Celik Enerji Tersane Ve Ulasim Sanayi A.S.	#	#	#	15.12.2023
	TUK34, TUK45	Diler Iron and Steel Co., Inc.	#	#		30.03.2026
	TUK35, TUK44	Izmir Demir Celik Sanayi A.S.	#			05.12.2026
	TUK36, TUK43	Akdemir Celik Sanayi Ve Ticaret A.S.	#			29.10.2026
	TUK37	Kroman Celik Sanayii A.S.	#	#		15.02.2027
	TUK38	•		#		
		Kaptan Demir Celik Endustrisi Ve Ticaret A.S.	#			19.03.2019
	TUK39	Ekinciler Demir Ve Celik Sanayi A.S.	#			15.09.2021
	TUK40	Bastug Metalurji Sanayi A.S.	#			17.06.2023
	TUK41	Habas Sinai Ve Tibbi Gazlar Istihsal Endustrisi A.S.	#			18.08.2021
	TUK42	Yazici Iron & Steel Co., Inc.	#			15.12.2023

<u>List of Bar Pattern Codes for Quality Assured Manufacturers to</u> <u>CS2: 2012 (October 2024)</u>

Page 3 of 3

Origin	Bar Pattern Code	Manufacturer Name	CS2:2012	CS2:2012	BS4449:2005	Q.A. Cert.
			Grade 500B	Grade 500B (Coil)	Grade B500B (Coil / Decoiled Bar)	Expiry Date
United Arab	UAE2	Conares Metal Supply Limited	#			04.05.2024
Emirates						
	UAE3	Emirates Steel Industries Co. PJSC	#			29.06.2024
	UAE4	QATAR STEEL COMPANY FZE	#			21.12.2023
	UAE5	Union Iron & Steel Co. L.L.C.	#			22.01.2024
Ukraine	UKR3	PJSC "ArcelorMittal Kryvyi Rih"	#			22.05.2022
Vietnam	VNM3	Shengli Vietnam Special Steel Co., Ltd.	#			29.09.2025
	VNM4	Hoa Phat Hai Duong Steel Joint Stock Company	#			22.11.2026
	VNM5	Hoa Phat Dung Quat Steel Joint Stock Company	#			09.01.2027
	VNM6	Vina Kyoei Steel Company Limited	#			13.04.2024
	VNM7	VAS Group Nghi Son Joint Stock Company	#			15.06.2026

- Note: 1. # Bar pattern has been registered for the relevant standard.

 2. Please refer to the relevant drawing on bar pattern for bar size registered.

 3. Name change for Qatar Steel Company to Qatar Steel Company (Q.P.S.C.) was recorded on 08 May 2019.

 4. Name change for Shandong Shiheng Special Steel Group Co., Ltd. to Shiheng Special Steel Group Co., Ltd. was recorded on 01 February 2021.

 5. Name change for SGIS Songshan Co., Ltd. To Guangdong Zhongnan Iron & steel Co., Ltd. was recorded on 17 May 2023.

<u>List of Bar Pattern Codes for Quality Assured Manufacturers to</u> <u>CS2: 2012 Grade 500C / BS4449:2005 Grade B500C (October 2024)</u>

Page 1 of 1

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Origin	Bar Pattern Code	Manufacturer Name	CS2:2012	CS2:2012	BS4449:2005	Q.A. Cert.
			Grade 500C	Grade 500C	Grade B500C	Expiry Date
				(Coil)	(Coil / Decoiled	
					Bar)	
Hong Kong	HKG6	Shiu Wing Steel Limited	#			16.09.2026
Spain	SPN18	Nervacero S.A. (Barrio Ballonti)		#	#	08.08.2021
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Note: 1. # Bar pattern has been registered for the relevant standard.

^{2.} Please refer to the relevant drawing on bar pattern for bar size registered.

<u>List of Bar Pattern Codes for Quality Assured Manufacturers to</u> <u>CS2: 1995 (October 2024)</u>

Origin	Bar Pattern Code	Manufacturer Name	CS2:1995 Grade 460	Page 1 of 1 Q.A. Cert. Expiry Date
China	CHA5, CHA6, CHA14, CHA15	Guangzhou Iron & Steel Holdings Ltd.	#	28.09.2019
	CHA45, CHA63 CHA11, CHA30, CHA35	Laiwu Steel Corporation	#	13.02.2015
	CHA50, CHA52, CHA56 CHA39,CHA67	Tianjin Tiantie Zhaer Steel Production Co., Ltd.	#	17.11.2016
	CHA46	Tianjin Iron & Steel Group Co., Ltd.	#	15.09.2018
	CHA33, CHA51, CHA55	Jiangsu Shagang Group Co., Ltd.	#	07.05.2022
	CHA130 CHA58, CHA78	Rizhao Steel Wire Co., Ltd	#	15.09.2018
	CHA59, CHA142	Guangzhou Panyu Yufeng Iron & Steel Co., Ltd.	#	07.07.2022
	CHA62	Shanghai Shente Beam Co., Ltd.	#	01.12.2016
	CHA65	SGIS Songshan Co., Ltd.	#	08.05.2018
	CHA66	Gaoming Jianming Steel Rolling Fty. Ltd. of Foshan	#	22.06.2018
	CHA68	MaoMing HengDa Iron & Steel Co., Ltd.	#	03.06.2015
	CHA70, CHA75	Shenzhen Welmetal Steel Co., Ltd.	#	08.06.2017
	CHA73	Zhuhai Yueyufeng Iron & Steel Co., Ltd	#	07.07.2022
	CHA74, CHA77	Jiangsu Yonggang Group Co., Ltd.	#	19.05.2025
			#	19.05.2023
	CHA76	Benxi Beiying Iron & Steel (Group) Co., Ltd.	#	
	CHA79	Jiangyin Xicheng Steel Co., Ltd.		27.09.2020
	CHA80	Tianjin Metallurgy Group Zha San Metal Material Science & Technology Co., Ltd.	#	15.09.2018
	CHA83	Nanjing Iron & Steel Co., Ltd.	#	03.11.2016
	CHA84	Liuzhou Iron & Steel Co., Ltd.	#	15.09.2018
	CHA89	Hebei Taigang Iron & Steel Rolling Co., Ltd.	#	30.06.2016
	CHA90	Lingyuan Iron & Steel Co., Ltd.	#	17.11.2017
	CHA91, CHA153	Tangshan Donghua Steel Enterprise Group Co., Ltd.	#	20.12.2024
	СНА92	GuangdongTaidu Iron and Steel Industrial Co., Ltd.	#	14.11.2015
	CHA94, CHA123	Hebei Iron and Steel Group Jingye Iron and Steel Co., Ltd.	#	09.09.2015
	CHA99, CHA150	Hebei Jinxi Iron and Steel Group Co., Ltd.	#	12.08.2022
	CHA100	Wuhu Xinxing Ductile Iron Pipes Co., Ltd.	#	25.07.2017
	CHA107	Guangxi Guigang Iron And Steel Group Co., Ltd.	#	15.09.2018
	CHA110	Shandong Laigang Yongfeng Steel Corp.	#	14.09.2018
	CHA111, CHA120	Jiangyin City Changda Steel Co., Ltd.	#	18.10.2017
	CHA113	Shandong shiheng Special Steel Co., Ltd.	#	05.01.2018
	CHA119	Shan Dong Minyuan Iron & Steel Co. Ltd.	#	03.11.2017
	CHA121	Jiangsu Xinlin Iron & Steel Co. Ltd.	#	27.10.2017
	CHA132	Shandong Iron and Steel Company Ltd. Laiwu Company	#	29.01.2018
	CHA133	Fushun New Steel Corporation Ltd.	#	30.10.2025
	CHA135	Angang Steel Company Ltd.	#	02.07.2018
	CHA137	Northern Guangdong United Steel and Iron Co., Ltd.	#	29.01.2019
	CHA139	Xinxing Ductile Iron Pipes Co., Ltd.	#	31.07.2018
	CHA145	Longnan Fuxin Iron & Steel Co., Ltd.	#	14.09.2018
Iong Kong	HKG1, HKG2, HKG3	Shiu Wing Steel Limited	#	16.09.2018
	HKG4, HKG5, HKG7		#	
Korea	KOR15, KOR16, KOR17, KOR18, KOR19, KOR20, KOR21	Hyundai Steel Company		19.11.2014
Russia	RUS6	JSC "EVRAZ Consolidated West Siberian Metallurgical Plant"	#	10.11.2020
Spain	SPN2, SPN9, SPN10, SPN11, SPN12	Nervacero S.A. (Barrio Ballonti)	#	30.09.2018
Taiwan	TAW1, TAW11	Hai Kwang Enterprise Corporation	#	13.11.2016
	TAW7	Wei Chih Steel Intustrial Co., Ltd.	#	28.06.2016
	TAW8	Feng Hsin Steel Co., Ltd.	#	06.06.2020
	TAW12	Shen Yu Steel Co., Ltd.	#	02.06.2016
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<u>List of Quality Assured Stockists Conformed to</u> <u>CS2: 2012 (October 2024)</u>

No.	Name of Stockist	Q.A. Cert.
1,0.	Traine of Stockist	Expiry Date
1	Shiu Wing Steel Limited	16.09.2026
2	Shiu Wing Trading Company Limited	16.09.2026
3	Hong Kong KYH Metal Co., Limited	23.03.2026
4	K.Y.H. Steel Company Limited	23.03.2026
5	Welmetal Resources Group Limited	27.06.2027
6	VSC Steel Company Limited	16.07.2027
7	Conwy Limited	20.04.2022
8	Topwell Steel International Limited	23.04.2019
9	Hanwa Co., (H.K.) Limited	26.06.2016
10	Golik Metal Manufacturing Co., Ltd.	27.06.2027
11	Golik Steel (HK) Limited	27.06.2027
12	Golik Metal Industrial Co., Ltd.	27.06.2027
13	Globe Star Steel Company Limited	26.09.2027
14	Great Success Steel Company Limited	26.07.2026
15	Unisteel Hong Kong Limited	30.07.2018
16	Sum Kee Metal Co., Ltd.	27.04.2026
17	Lucky Steel Company Limited	29.05.2023
18	Link Wide International Investment (Hong Kong) Limited	06.01.2024
19	Strong Progress Limited	12.01.2027
20	Sun Steel (HK) Company Limited	31.03.2017
21	VA Intertrading China Limited	27.02.2018
22	Lam Nan Kee Trading Limited	13.03.2025
23	D & D Metal Sales Company Limited	01.08.2026
24	Kam Chun Hong Company Limited	29.04.2020
25	Yee Sang Metal & Building Supplies Co., Ltd.	26.08.2027
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<u>List of Quality Assured Stockists Conformed to</u> <u>CS2: 2012 (October 2024)</u>

Page 2 of 3

		Page 2 01 3
No.	Name of Stockist	Q.A. Cert. Expiry Date
26	Thomson Steel Hong Kong Limited	29.05.2027
27	Wang Fa Steel Co., Limited	27.06.2021
28	Golden Laurel Development Limited	29.08.2016
29	Mansfield (Tetley) Metal Products Co., Ltd.	28.07.2026
30	Golden Win Steel Limited	28.04.2025
31	Power Steel Company Limited	14.09.2018
32	Yau Lee Metals and Building Materials Co., Ltd.	30.06.2025
33	Sun Yuen Hong Lim Kee Ltd.	09.08.2017
34	Creative Corpoartion Limited	29.07.2017
35	Wo Lee Steel Co., Ltd.	29.02.2024
36	Sun Steel Company Limited	23.12.2016
37	Kent Metal Co., Ltd.	24.06.2018
38	Golden Laurel Steel Company Limited	29.11.2017
39	Macro Steel Limited	26.04.2017
40	Darwinlie Ltd.	03.12.2015
41	Ever Success Construction Engineering Materials Limited	29.01.2027
42	Hop Fat Company	01.01.2021
43	Mega Pass Steel Company Limited	24.06.2019
44	VSC Construction Steel Solutions Limited (Note 2)	16.07.2027
45	Power Steel Metal Company Limited	24.06.2026
46	Trinity Crown Limited	31.05.2026
47	Orientfunds Construction Materials Limited	29.10/2021
48	SW Construction Limited	16.09.2026
49	Topwell Steel Asia Limited	23.04.2025
50	Fong's Engineering Services Company Limited	28.08.2022
51	Hop Fat Company Limited	22.11.2023
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<u>List of Quality Assured Stockists Conformed to</u> <u>CS2: 2012 (October 2024)</u>

Page 3 of 3

N.	N CO. I.	1 age 5 01 5
No.	Name of Stockist	Q.A. Cert.
		Expiry Date
52	Great Steel Trading Limited	27.02.2027
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53	Welmetal Steel (Hong Kong) Limited	25.06.2025
	Weinical Steel (Hong Hong) Emilion	23.00.2023
54	Minmetals Cheerglory Limited	17.09.2025
34	Willinetals Checigioty Limited	17.09.2023
55	Sympley Delight Construction Materials Commons Limited	22 10 2025
33	Sunrise Bright Construction Materials Company Limited	22.10.2025
7.6		20.04.202.5
56	Hebei Jiwu Metal International (Hong Kong) Co., Limited	28.04.2025
57	AluHouse International Trading Company Limited	10.01.2026
58	King Topwell International Limited	07.09.2026
59	Hing Chin Engineering Co.,Ltd.	11.01.2027
60	Ao Gang Construction (Hong Kong) Limited	08.02.2027
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61	Sunrise Green Technology Limited	17.04.2027
01	bumbe Green recimology Eminted	17.01.2027
62	Vin Vin Co. Itil	23.04.2027
62	Xin Yue Co., Ltd.	23.04.2027
		1.05.05.
63	Ho Hon System Formwork Limited	15.06.2027

Note: 1. The above stockists will automatically comply with the requirements of CS2:1995

2. Name change for TVSC Construction Steel Solutions Limited to VSC Construction Steel Solution Limited issued on 17 May 2018 by Companies Registry in HKSAR

<u>List of Quality Assured Stockists Conformed to</u> <u>CS2:1995 (October 2024)</u>

		Page 1 of 1
No.	Name of Stockist	Q.A. Cert. Expiry Date
1	Shiu Wing Steel Limited	16.09.2023
6	Strong Progress Limited	12.01.2024
7	D & D Metal Sales Company Limited	01.08.2023
8	Golik Metal Industrial Co., Ltd.	27.06.2024
11	Globe Star International Limited	31.08.2015
12	VSC Steel Company Limited	28.07.2024
13	Golik Steel Company Limited	05.10.2015
14	Ever Success Construction Engineering Materials Limited	29.01.2024
15	Unisteel Hong Kong Limited	30.07.2018
16	Sun Steel Company Limited	23.12.2016
17	K.Y.H. Steel Company Limited	23.03.2023
18	Lucky Steel Company Limited	29.05.2023
21	Link Wide International Investment (Hong Kong) Limited	06.01.2024
22	Power Steel Company Limited	14.09.2018
23	Win Link Trading Limited.	26.11.2014
24	Globe Star Steel Company Limited	26.09.2024
25	Wo Lee Steel Co., Ltd.	29.02.2024
26	Yau Lee Metals and Building Materials Co., Ltd.	30.06.2025
28	Sum Kee Metal Co., Ltd.	27.04.2026
29	Trinity Crown Limited	31.05.2023
30	Shiu Wing Trading Company Limited	16.09.2023
31	Golik Steel (HK) Limited	27.06.2024
32	Kent Metal Co., Ltd.	24.06.2018
33	Novo Steel (HK) Ltd.	26.08.2015
34	Yee Sang Metal & Building Supplies Co., Ltd.	26.08.2024
35	Darwinlie Ltd.	03.12.2015
37	Lam Nan Kee Trading Limited	13/3/2025
38	Golden Win Steel Limited	28.04.2025
41	Macro Steel Limited	26.04.2017
42	Sun Steel (HK) Company Limited	31.03.2017
43	Great Success Steel Company Limited	26.07.2023
44	Hong Kong KYH Metal Co., Limited	23.03.2023
45	Golden Laurel Steel Company Limited	29.11.2017
46	VA Intertrading China Limited	27.02.2018
47	Thomson Steel Hong Kong Limited	29.05.2024
48	Welmetal Resources Group Limited	27.06.2024
49	Golik Metal Manufacturing Co., Ltd.	27.06.2024
50	Sinco Holdins Limited	26.02.2016

	Page 1 of 8
Drawing No.	Revision since 2010
PWL/TAW/2	The bar sizes of 10, 12, 16, 20,25,32 & 40 mm of new bar pattern TAW 11 have been registered on 19 January 2010
PWL/TUK/3	The bar size of 40 mm of new bar pattern TUK26 has been registered on 5 February 2010
PWL/TUK/3	The bar sizes of 8,10 & 12 mm of new bar pattern TUK27 have been registered on 8 March 2010
PWL/TUK/3	The bar sizes of 8 & 40 mm of new bar pattern TUK28 have been registered on 8 March 2010
PWL/TUK/4	The bar sizes of 8,10,12,16,20,25,32 & 40 mm of new bar pattern TUK29 have been registered on 8 March 2010
PWL/TUK/4	The bar sizes of 8,10,12,16,20,25,32 & 40 mm of new bar pattern TUK30 have been registered on 8 March 2010
PWL/CHA/5	The bar size of 40 mm has been added to bar pattern of CHA39 on 11 March 2010
PWL/CHA/6	The manufacturer's name of CHA46 has been changed on 31 March 2010
PWL/CHA/8	The bar sizes of 16, 20, 25, 32 & 40 mm have been added to bar pattern of CHA67 on 16 April 2010
PWL/CHA/8	The bar sizes of 10 & 12 mm have been added to bar pattern CHA67 on 9 June 2010
PWL/UKD/1	•
PWL/UKD/1	The bar sizes of 8,10,12 & 16 mm of new bar pattern UKD7 have been registered on 17 June 2010
PWL/UKD/1	The bar sizes of 10,12,14,16,20,25,32,40&50 mm of new bar pattern UKD8 have been registered on 17 June 2010
PWL/THD/2	The bar size of 20 mm of new bar pattern UKD9 has been registered on 17 June 2010 The bar size of 10, 12, 16, 20, 25, % 22 mm of new bar pattern THD12 have been registered on 2 July 2010.
PWL/JPN/1	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern THD12 have been registered on 2 July 2010
PWL/MAL/2	The bar sizes of 10, 12 & 16 mm of new bar pattern JPN8 have been registered on 2 Aug 2010
PWL/TAW/2	The bar size of 12 mm of new bar pattern MAL18 has been registered on 18 Aug 2010
	The bar sizes of 10, 12, 16, 20, 25 & 32 mm of new bar pattern TAW 12 have been registered on 26 August 2010
PWL/CHA/8	The bar sizes of 16, 20, 25 & 32 mm of new bar pattern CHA68 have been registered on 26 August 2010
PWL/CHA/8	The bar sizes of 12 & 32 mm have been added to bar pattern CHA58 on 16 September 2010
PWL/CHA/8	The bar sizes of 16, 25 & 32 mm of new bar pattern CHA69 have been registered on 5 October 2010
PWL/CHA/6	The bar sizes of 10, 12, 16, 20, 25 & 32 mm have been added to bar pattern CHA52 on 5 October 2010
PWL/CHA/9	The bar sizes of 10 & 25 mm of new bar pattern CHA70 have been registered on 11 October 2010
PWL/CHA/6	The bar size of 50 mm has been added to bar pattern CHA52 on 11 October 2010
PWL/THD/2	The bar size of 40mm has been added to bar pattern THD12 on 25 November 2010
PWL/SGP/1	The bar sizes of 25, 32, 40 & 50 mm of new bar pattern SGP4 have been registered on 6 December 2010
PWL/SGP/1	The bar sizes of 10, 12, 16 & 20 mm of new bar pattern SGP5 have been registered on 6 December 2010
PWL/CHA/9	The bar size of 20 has been added to bar pattern CHA70 on 21 February 2011
PWL/TUK/4	The bar sizes of 8, 16 & 40 mm of new bar pattern TUK31 have been registered on 4 March 2011
PWL/TUK/4	The bar sizes of 10, 12, 20, 25 & 32 mm have been added to bar pattern TUK31 on 18 March 2011
PWL/CHA/9	The bar size of 32 mm was added to bar pattern CHA70 on 18 March 2011
PWL/TUK/4	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40 mm have been added to bar pattern TUK32 on 7 June 2011
PWL/CHA/9	The bar size of 40 mm has been added to bar pattern CHA70 on 21 June 2011
PWL/CHA/9	The bar sizes of 16, 20 & 25mm of new bar pattern CHA71 have been registered on 25 July 2011
PWL/TUK/4	The bar size of 50 mm has been added to bar pattern TUK31 on 1 September 2011
PWL/CHA/8	The bar size of 12mm has been added to bar pattern CHA68 on 6 October 2011
PWL/CHA/9	The bar sizes of 16, 20, 25 & 32mm of new bar pattern CHA72 have been registered on 7 October 2011
PWL/CHA/9	The bar size of 50 mm has been added to bar pattern CHA70 on 17 October 2011
PWL/VNM/1	The bar sizes of 12, 16 & 20 mm of new bar pattern VNM2 have been registered on 27 October 2011
PWL/TAW/2	The bar size of 40mm has been added to bar pattern TAW 12 on 4 January 2012
PWL/CHA/9	The bar size of 40 mm has been added to bar pattern CHA62 on 5 March 2012
PWL/CHA/9	The bar sizes of 10, 12, 16, 20, 25, 32,40 & 50mm of new bar pattern CHA73 have been registered on 22 March 2012
PWL/CHA/9	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA74 have been registered on 3 May 2012

Page 2 of 8

	Page 2 of 8
Drawing No.	Revision since 2010
PWL/UAE/1	The bar sizes of 8, 10, 12, 16, 20, 25 & 32mm of new bar pattern UAE1 have been registered on 19 Jun 2012
PWL/CHA/9	The bar sizes of 25 & 32 mm of new bar pattern CHA75 have been registered on 13 July 2012
PWL/CHA/9	The bar sizes of 12, 16, 20, 25, 32 & 40 mm of new bar pattern CHA76 have been registered on 1 August 2012
PWL/CHA/6	The bar size of 10 mm has been added to bar pattern CHA46 on 28 August 2012
PWL/CHA/9	The bar size of 12 mm has been added to bar pattern CHA72 on 28 August 2012
PWL/CHA/7	The bar sizes of 10 and 40 mm have been added to bar pattern CHA59 on 24 September 2012
PWL/CHA/6	The bar size of 40 mm has been added to bar pattern CHA51 on 11 October 2012
PWL/CHA/9	The bar sizes of 16, 20 & 40 mm have been added to bar pattern CHA75 on 12 November 2012
PWL/CHA/9	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm of new bar pattern CHA77 have been registered on 21 Nov 2012
PWL/CHA/7	The bar size of 40 mm has been added to bar pattern CHA58 on 28 December 2012
PWL/CHA/10	The bar size of 32 mm of new bar pattern CHA78 has been registered on 28 Dec 2012
PWL/CHA/9	The bar sizes of 12 & 16 mm have been added to bar pattern CHA70 on 3 January 2013
PWL/HKG/1	The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50 mm of new bar pattern HKG6 for Grade 500C have been registered on 24 Jan 2013
PWL/CHA/10	The bar sizes of 12, 16 & 20 mm of new bar pattern CHA79 have been registered on 6 Feb 2013
PWL/CHA/10	The bar sizes of 12, 16, 20, 25, 32 & 40 mm of new bar pattern CHA80 have been registered on 1 Mar 2013
PWL/CHA/10	The bar sizes of 10, 25 and 32 mm have been added to bar pattern CHA79 on 4 Mar 2013
PWL/CHA/10	The bar sizes of 10, 12 and 20 mm of new bar pattern CHA81 have been registered on 14 Mar 2013
PWL/UAE/1	The bar sizes of 10, 12, 16, 20, 25 & 32 mm of bar pattern UAE1 for Grade 500B have been registered on 31 May 2013
PWL/CHA/10	The bar size of 40 mm has been added to bar pattern CHA78 on 31May 2013
PWL/HKG/1	The bar size of 25 mm of new bar pattern HKG7 has been registered on 7 Jun 2013
PWL/HKG/1	The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50 mm of new bar pattern HKG8 for Grade 500B have been registered on 7 Jun 2013
PWL/CHA/10	The bar sizes of 20, 25, 32, 40 & 50 mm of new bar pattern CHA82 for Grade 500B have been registered on 18 Jun 2013
PWL/CHA/10	The bar sizes of 12, 16, 20, 25, 32 & 40 mm of new bar pattern CHA83 have been registered on 24 July 2013
PWL/TUK/4	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm for grade 500B have been added to bar pattern TUK33 on 7 Aug 2013
PWL/TUK/4	The bar sizes of 8, 20 & 32 mm for grade 500B have been added to bar pattern TUK34 on 9 Aug 2013
PWL/CHA/10	The bar sizes of 12, 16, 20, 25, 32 & 40 mm of new bar pattern CHA84 have been registered on 27 August 2013
PWL/CHA/10	The bar size of 40 mm has been added to bar pattern CHA79 on 26 August 2013
PWL/CHA/8	The bar size of 50 mm has been added to bar pattern CHA67 on 06 September 2013
PWL/CHA/10	The bar size of 40 mm for grade 500B of new bar pattern CHA85 has been registered on 7 October 2013
PWL/CHA/10	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm for grade 500B of new bar pattern CHA86 have been registered on 7 October 2013
PWL/CHA/10	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm for grade 500B of new bar pattern CHA87 have been registered on 22 October 2013
PWL/CHA/9	The bar size of 10 mm has been added to bar pattern CHA76 on 21 November 2013
PWL/CHA/11	The bar sizes of 16, 20, 25 & 32 mm for grade 500B of new bar pattern CHA88 have been registered on 25 November 2013
PWL/CHA/11	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern CHA89 have been registered on 11 December 2013
PWL/CHA/11	The bar sizes of 12, 16, 25, 32 & 40mm of new bar pattern CHA90 have been registered on 08 January 2014
PWL/CHA/7	The bar sizes of 32 mm and 40 mm have been added to bar pattern CHA58 on 20 January 2014
PWL/CHA/11	The bar sizes of 16, 25, 32 40 & 50mm of new bar pattern CHA91 have been registered on 27 January 2014
PWL/CHA/11	The bar sizes of 16, 20, 25 & 32mm of new bar pattern CHA92 have been registered on 27 January 2014
PWL/CHA/11	The bar size of 20 mm has been added to bar pattern CHA90 on 26 February 2014
PWL/CHA/11	· · · · · · · · · · · · · · · · · · ·
PWL/CHA/11	The bar sizes of 10, 12, 16, 20 & 25mm of new bar pattern CHA93 have been registered on 12 March 2014 The bar size of 50 mm has been added to bar pattern CHA79 on 31 March 2014
	The bar size of 50 mm has been added to bar pattern CHA79 on 31 March 2014 The bar size of 12 mm has been added to bar pattern CHA75 on 20 April 2014
PWL/CHA/11	The bar size of 12 mm has been added to bar pattern CHA75 on 30 April 2014 The bar size of 12 16 20 25 % 22 mm of new hear pattern CHA04 have been recipitated on 12 May 2014
PWL/CHA/11	The bar sizes of 12, 16, 20, 25 & 32mm of new bar pattern CHA94 have been registered on 13 May 2014 The bar sizes of 10 and 12mm of new bar pattern CHA92 have been registered on 05 June 2014
PWL/CHA/11	The bar sizes of 10 and 12mm of new bar pattern CHA92 have been registered on 05 June 2014

Page 3 of 8

	rage 5 of 8
Drawing No.	Revision since 2010
PWL/CHA/11	The bar sizes of 10, 12, 14, 16, 20, 25 & 32mm of new bar pattern CHA95 have been registered on 24 June 2014
PWL/CHA/8	The bar size of 10 mm has been added to bar pattern CHA75 on 24 June 2014
PWL/RUS/1	Bar pattern RUS1 and RUS2 have been withdrawn by customer on 8 July 2014
PWL/RUS/1	The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm of new bar pattern RUS5 have been registered on 8 July 2014
PWL/CHA/12	The bar size of 16 mm has been added to bar pattern CHA82 on 22 July 2014
PWL/CHA/12	The bar sizes of 10, 12, 16, 25, 32 & 40mm of new bar pattern CHA96 have been registered on 23 July 2014
PWL/CHA/12	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA97 have been registered on 23 July 2014
PWL/CHA/12	The bar sizes of 10, 12, 14, 16, 18, 25 & 28mm of new bar pattern CHA98 have been registered on 25 July 2014
PWL/CHA/12	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA99 have been registered on 25 July 2014
PWL/CHA/12	The bar sizes of 16, 20, 25 32 & 40mm of new bar pattern CHA100 have been registered on 28 July 2014
PWL/CHA/12	The bar sizes of 16, 20, 25 32 & 40mm of new bar pattern CHA101 have been registered on 28 July 2014
PWL/CHA/12	The bar size of 50 mm has been added to bar pattern CHA77 on 31 July 2014
PWL/CHA/12	The bar size of 50 mm has been added to bar pattern CHA86 on 31 July 2014
PWL/CHA/12	The bar sizes of 12, 16, 20, 25 32 & 40mm of new bar pattern CHA102 have been registered on 01 August 2014
PWL/CHA/12	The bar sizes of 40 & 50mm of new bar pattern CHA103 have been registered on 01 August 2014
PWL/CHA/12	The bar size of 12 mm has been added to bar pattern CHA82 on 01 August 2014
PWL/CHA/13	The bar sizes of 10, 12, 16, 20, 25 32 & 40mm of new bar pattern CHA104 have been registered on 5 August 2014
PWL/CHA/13	The bar sizes of 10, 12, 16, 20, 25 32 & 40mm of new bar pattern CHA105 have been registered on 11 August 2014
PWL/CHA/13	The bar size of 50 mm has been added to bar pattern CHA75 on 14 August 2014
PWL/CHA/13	The bar sizes of 10, 12, 16, 20, 25 32 & 40mm of new bar pattern CHA106 have been registered on 15 August 2014
PWL/CHA/13	The bar sizes of 12, 16, 20, 25 32 & 40mm of new bar pattern CHA107 have been registered on 20 August 2014
PWL/CHA/13	The bar sizes of 12, 16, 20, 25 32 & 40mm of new bar pattern CHA108 have been registered on 20 August 2014
PWL/CHA/13	The bar size of 40 mm has been added to bar pattern CHA92 on 22 August 2014
PWL/CHA/13	The bar size of 40 mm has been added to bar pattern CHA89 on 10 September 2014
PWL/CHA/13	The bar pattern CHA69 has been withdrawn by customer on 15 September 2014
PWL/CHA/13	The bar sizes of 16, 20, 25 32 & 40mm of new bar pattern CHA109 have been registered on 06 October 2014
PWL/CHA/13	The bar sizes of 40 & 50mm of new bar pattern CHA110 have been registered on 08 October 2014
PWL/CHA/13	The bar sizes of 10, 12, 14, 16, 20, 25 & 32mm of new bar pattern CHA111 have been registered on 09 October 2014
PWL/CHA/13	The bar sizes of 10, 12, 14, 16, 20, 25 & 32mm of new bar pattern CHA112 have been registered on 20 October 2014
PWL/CHA/14	The bar sizes of 16, 32 & 40mm of new bar pattern CHA113 have been registered on 20 October 2014
PWL/CHA/14	The bar sizes of 12, 16, 20, 25 & 32mm have been added to bar pattern CHA110 on 3 November 2014
PWL/CHA/14	The bar size of 10mm has been added to bar pattern CHA80 on 3 November 2014
PWL/CHA/14	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA114 have been registered on 05 November 2014
PWL/CHA/14	The bar sizes of 32, 40 & 50mm of new bar pattern CHA115 have been registered on 10 November 2014
PWL/CHA/14	The bar size of 10mm has been added to bar pattern CHA110 on 18 November 2014
PWL/CHA/14	The bar size of 50mm of new bar pattern CHA116 has been registered on 08 December 2014
PWL/CHA/14	The bar sizes of 12, 25 & 40mm of new bar pattern CHA117 have been registered on 08 December 2014
PWL/CHA/14	The bar size of 50mm of new bar pattern CHA107 has been registered on 08 December 2014
PWL/CHA/14	The bar size of 50mm of new bar pattern CHA108 has been registered on 08 December 2014
PWL/CHA/14	The bar pattern CHA58 was revised by manufacturer on 09 December 2014
PWL/CHA/14	The bar sizes of 10, 12, 16, 20, 25 &32mm of new bar pattern CHA118 have been registered on 15 December 2014
PWL/RUS/1	The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm of new bar pattern RUS6 have been registered on 13 January 2015
PWL/CHA/14	The bar sizes of 12, 20 & 25mm have been added to bar pattern CHA113 on 13 January 2015

Page 4 of 8

Revision since 2010	
the bar sizes of 40 & 50mm have been added to bar pattern CHA118 on 19 January 2015	
The bar sizes of 20, 25,32 & 40mm of new bar pattern CHA119 have been registered on 13 February 2015	
The bar sizes of 10, 12 & 20mm have been added to bar pattern CHA91 on 18 February 2015	
The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern CHA120 have been registered on 09 March 2015	
The bar sizes of 10, 12 & 16mm of new bar pattern CHA121 have been registered on 12 March 2015	
The bar sizes of 10, 12 & 16mm of new bar pattern CHA122 have been registered on 12 March 2015	
The bar sizes of 10, 12, 16, 20, 25, 32 and 40mm of new bar pattern CHA123 have been registered on 20 March 2015	
The bar sizes of 40 and 50mm of new bar pattern CHA124 have been registered on 20 March 2015	
The bar size of 50mm has been added to bar pattern CHA90 on 20 March 2015	
The bar size of 50mm has been added to bar pattern CHA99 on 04 May 2015	
The bar size of 50mm has been added to bar pattern CHA114 on 04 May 2015	
The bar sizes of 20, 25, 32 and 40mm of new bar pattern CHA125 have been registered on 07 May 2015	
The bar sizes of 10, 12, 16, 20, 25 and 32mm of new bar pattern CHA126 have been registered on 28 May 2015	
The bar pattern CHA95 was cancelled on 1 June 2015	
The bar size of 10mm has been added to bar pattern CHA113 on 10 June 2015	
The bar sizes of 12 and 40mm have been added to bar pattern CHA88 on 22 June 2015	
The bar sizes of 16, 25 and 40mm of new bar pattern CHA127 have been registered on 09 July 2015	
The bar size of 40mm has been added to bar pattern CHA120 on 09 July 2015	
The bar size of 10mm has been added to bar pattern CHA102 on 11 August 2015	
The bar sizes of 16, 20 and 32mm have been added to bar pattern CHA117 on 13 August 2015	
The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA128 have been registered on 01 September 2015	
The bar sizes of 20 & 32mm of new bar pattern CHA129 have been registered on 25 September 2015	
The bar size of 10mm has been added to bar pattern CHA82 on 27 October 2015	
The bar size of 10mm has been added to bar pattern CHA125 on 27 October 2015	
The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA130 have been registered on 09 November 2015	
The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern CHA131 have been registered on 09 November 2015	
The bar size of 12mm has been added to bar pattern CHA125 on 30 November 2015	
The bar size of 40mm of new bar pattern CHA132 has been registered on 17 December 2015	
The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA133 have been registered on 28 December 2015	
The bar sizes of 16, 25, 32 & 40mm of new bar pattern CHA134 have been registered on 13 January 2016	
The bar size of 32mm has been added to bar pattern CHA127 on 15 January 2016	
The bar sizes of 10, 12 & 20mm have been added to bar pattern CHA127 on 25 February 2016	
The bar sizes of 10, 12 & 25mm have been added to bar pattern CHA132 on 08 March 2016	
The bar sizes of 12, 16, 20, 25, 32, 40 & 50mm of new bar pattern CHA135 have been registered on 13 April 2016	
The bar sizes of 12, 16, 20, 25, 32, 40 & 50mm of new bar pattern CHA136 have been registered on 13 April 2016	
The bar sizes of 20, 25 & 32mm of new bar pattern CHA137 have been registered on 15 April 2016	
The bar sizes of 16 & 32mm have been added to bar pattern CHA132 on 21 April 2016	
The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA138 have been registered on 25 April 2016	
The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA139 have been registered on 25 April 2016	
The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA139 have been registered on 25 April 2016 The bar sizes of 12 & 16mm have been added to bar pattern CHA137 on 27 April 2016	
The bar sizes of 12 & Tollini have been added to bar pattern CHA140 have been registered on 12 May 2016	
The bar size 50mm has been added to bar pattern CHA107 and CHA108 on 20 May 2016	
The bar sizes of 12, 16, 20, 25 & 32mm of new bar pattern CHA141 have been registered on 26 May 2016	

Page 5 of 8

	Page 5 of 8	
Drawing No.	Revision since 2010	
PWL/CHA/15	Coil / decoiled bar of sizes 10, 12 & 16mm of bar pattern CHA128 have been registered to BS4449:2005 on 22 July 2016	
PWL/CHA/17	The bar sizes of 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA142 have been registered to B34447.2003 on 22 July 2016	
PWL/CHA/10	Coil / decoiled bar of sizes 10, 12 & 16mm of bar pattern CHA86 have been registered to BS4449:2005 on 5 August 2016	
PWL/CHA/17	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA143 have been registered on 12 August 2016	
PWL/TAW/2	The bar sizes of 16, 20, 25, 32 & 40mm of new bar pattern TAW13 have been registered on 30 August 2016	
PWL/CHA/17	The bar size 10mm has been added to bar pattern CHA142 on 28 September 2016	
PWL/CHA/18	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern CHA144 have been registered on 28 September 2016	
PWL/CHA/18	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern CHA145 have been registered on 28 September 2016	
PWL/CHA/18	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA146 have been registered on 12 October 2016	
PWL/CHA/14	The bar sizes of 16, 20 and 25mm have been added to bar pattern CHA115 on 17 October 2016	
PWL/CHA/12	The bar size of 20mm has been added to bar pattern CHA96 on 26 October 2016	
PWL/CHA/18	The bar sizes of 10, 16, 20, 25 & 32 mm of new bar pattern CHA147 have been registered on 09 November 2016	
PWL/CHA/18	The bar size of 12mm has been added to bar pattern CHA147 on 18 November 2016	
PWL/CHA/15	The bar sizes of 12, 16, 20, 25 & 32mm have been added to bar pattern CHA124 on 08 February 2017	
PWL/SGP/2	Coil / decoiled bar of sizes 10, 12 & 16mm of new bar pattern SGP6 have been registered to BS4449:2005 on 14 February 2017	
PWL/TUK/4	The bar size of 50mm has been added to bar pattern TUK33 on 15 February 2017	
PWL/CHA/18	The bar size of 40 mm of new bar pattern CHA148 has been registered on 27 February 2017	
PWL/TUK/4	The bar size of 10, 12, 16, 25 & 40 mm have been added to bar pattern TUK34 on 02 March 2017	
PWL/CHA/18	Coil / decoiled bar of sizes 10, 12 & 16mm of new bar pattern CHA149 have been registered to BS4449:2005 on 08 March 2017	
PWL/SGP/2	· •	
PWL/CHA/18	Coil / decoiled bar of sizes 10, 12 & 16mm of new bar pattern SGP7 have been registered to BS4449:2005 on 05 April 2017	
PWL/CHA/18	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA150 have been registered on 07 April 2017 The bar sizes of 10, 12, 16, 20, 25, 22 & 40mm of new bar pattern CHA151 have been registered on 07 April 2017	
PWL/CHA/19	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA151 have been registered on 07 April 2017	
PWL/CHA/19	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern CHA152 have been registered on 04 May 2017	
PWL/CHA/19	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern CHA153 have been registered on 08 May 2017	
	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern CHA154 have been registered on 08 May 2017	
PWL/TAW/1	The English name of the manufacturer of bar pattern TAW8 has been changed from "Feng Hsin Iron & Steel Co., Ltd." to "Feng Hsin Steel Co., Ltd." and has been recorded on 05 June 2017	
PWL/UKR/1	The bar sizes of 8, 10, 12, 16, 20, 25 & 32mm of new bar pattern UKR3 have been registered on 27 June 2017	
PWL/TUK/4	Coil / decoiled bar of sizes 6, 8, 10, 12 & 16mm of bar pattern TUK33 have been registered to BS4449:2005 on 17 July 2017	
PWL/CHA/19	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA155 have been registered on 28 August 2017	
PWL/INA/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern INA1 have been registered on 30 August 2017	
PWL/QTR/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern QTR2 have been registered on 14 September 2017	
PWL/TUK/5	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern TUK35 have been registered on 25 September 2017	
PWL/CHA/19	The bar size of 50mm has been added to bar pattern CHA155 on 09 October 2017	
PWL/TUK/5	The bar sizes of 8 & 10mm of new bar pattern TUK36 have been registered on 12 October 2017	
PWL/SPN/3	Coil / decoiled bar of sizes 10, 12 & 16mm of new bar pattern SPN17 have been registered to BS4449:2005 on 19 October 2017	
PWL/SPN/3	Coil / decoiled bar of sizes 10 & 12mm of new bar pattern SPN18 have been registered to BS4449:2005 on 19 October 2017	
PWL/TUK/5	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern TUK37 have been registered on 02 November 2017	
PWL/TUK/5	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern TUK38 have been registered on 28 December 2017	
PWL/SDA/1	The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm of new bar pattern SDA6 have been registered on 18 January 2018	
PWL/OMN/1	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern OMN1 have been registered on 06 February 2018	
PWL/TAW/2	The bar sizes of 10 & 12mm have been added to bar pattern TAW13 on 07 February 2018	
PWL/CHA/19	The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm of new bar pattern CHA156 have been registered on 17 April 2018	

Page 6 of 8

	Page 6 of 8	
Drawing No.	Revision since 2010	
PWL/KOR/3	Coil / decoiled bar of sizes 10 & 16mm of new bar pattern KOR23 have been registered to BS4449:2005 on 23 April 2018	
PWL/CHA/19	The bar sizes of 12, 16, 20, 25 & 32mm of new bar pattern CHA157 have been registered on 18 May 2018	
PWL/INA/1	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern INA2 have been registered on 12 June 2018	
PWL/CHA/19	The bar sizes of 12, 20 & 32mm of new bar pattern CHA158 have been registered on 20 June 2018	
PWL/TAW/2	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern TAW14 have been registered on 26 July 2018	
PWL/KOR/3	Coil / decoiled bar of sizes 12mm registered to BS4449:2005 has been added to bar pattern KOR23 on 17 August 2018	
PWL/CHA/14	The bar size of 12mm has been added to bar pattern CHA115 on 16 August 2018	
PWL/CHA/14	The bar size of 10mm has been added to bar pattern CHA115 on 19 September 2018	
PWL/QTR/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern QTR3 have been registered on 28 September 2018	
PWL/UAE/1	The bar pattern UAE1 was cancelled on 19 November 2018	
PWL/KOR/3	Coil / decoiled bar of sizes 16mm of new bar pattern KOR24 has been registered to BS4449:2005 on 07 December 2018	
PWL/UAE/1	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern UAE2 have been registered on 19 December 2018	
PWL/CHA/18	Coil of sizes 10 & 12mm of bar pattern CHA149 have been registered on 02 January 2019	
PWL/KOR/3	Coil of sizes 10mm of bar pattern KOR23 has been registered on 14 January 2019	
PWL/KOR/3	Coil / decoiled bar of sizes 10mm registered to BS4449:2005 has been added to bar pattern KOR24 on 15 January 2019	
PWL/KOR/3	Coil of sizes 10 & 16mm of bar pattern KOR24 have been registered on 15 January 2019	
PWL/TUK/5	Coil of sizes 10, 12, 16 & 20mm of bar pattern TUK37 have been registered on 13 February 2019	
PWL/MAL/3	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern MAL19 have been registered on 21 February 2019	
PWL/MAL/3	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern MAL20 have been registered on 21 February 2019	
PWL/SPN/3	Coil of sizes 10, 12 & 16mm of bar pattern SPN17 have been registered on 15 March 2019	
PWL/SPN/3	Coil of sizes 10 & 12mm of bar pattern SPN18 have been registered on 15 March 2019	
PWL/CHA/20	The bar sizes of 10, 12, 20, 32 & 40mm of new bar pattern CHA159 have been registered on 01 April 2019	
PWL/UAE/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern UAE3 have been registered on 26 April 2019	
PWL/QTR/1	The name of the manufacturer of bar pattern QTR3 has been changed from "Qatar Steel Company" to	
1 11 2 110 1	"Qatar Steel Company (Q.P.S.C.)" and recorded on 08 May 2019	
PWL/KOR/3	Coil / decoiled bar of sizes 12mm registered to BS4449:2005 has been added to bar pattern KOR24 on 13 June 2019	
PWL/KOR/3	Coil of sizes 12mm has been added to bar pattern KOR24 on 13 June 2019	
PWL/TUK/5	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern TUK39 have been registered on 25 June 2019	
PWL/INA/1	The bar size of 32mm has been added to bar pattern INA1 on 19 July 2019	
PWL/TUK/5	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern TUK40 have been registered on 10 December 2019	
PWL/RUS/1	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern RUS7 have been registered on 19 February 2020	
PWL/TUK/4	Additional remark "(•) mark/marks may be found on the opposite side of the bar at random" has been added in the existing bar pattern of TUK34 and recorded on 27 February 2020	
PWL/TUK/6	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern TUK41 have been registered on 05 March 2020	
PWL/SPN/3	Coil of sizes 8, 10, 12, 16 & 20mm of bar pattern SPN19 have been registered on 03 July 2020	
PWL/RUS/1	The bar size of 40mm has been added to bar pattern RUS7 on 03 July 2020	
PWL/SGP/2	Coil of sizes 10, 12 & 16mm of bar pattern SGP6 have been registered on 26 August 2020	
PWL/SGP/2	Coil of sizes 10, 12 & 16mm of bar pattern SGP7 have been registered on 26 August 2020	
PWL/SGP/2	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern SGP8 have been registered on 16 September 2020	
PWL/VNM/1	The bar sizes of 10, 12, 10, 20, 23, 32 & 40mm of new bar pattern VNM3 have been registered on 27 October 2020	
PWL/OMN/1	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern OMN2 have been registered on 06 November 2020	
PWL/TUK/4	Coil of sizes 10mm of bar pattern TUK33 has been registered on 23 November 2020	
PWL/VNM/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern VNM4 have been registered on 23 December 2020	
PWL/CHA/10	Coil of sizes 10 & 12mm of bar pattern CHA86 have been registered on 18 January 2021	
PWL/CHA/20	The bar sizes of 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA160 have been registered on 26 January 2021	

List of Revision to Drawings on Bar Pattern of Confirmed

Origin Manufactured to CS2 / BS4449:2005 (October 2024)

Page 7 of 8

	Page 7 of 8	
Drawing No.	Revision since 2010	
PWL/CHA/15	The name of the manufacturer of bar pattern CHA125 has been changed from "Shandong Shiheng Special Steel Group Co., Ltd." to	
	"Shiheng Special Steel Group Co., Ltd." and recorded on 01 February 2021	
PWL/TUK/6	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern TUK42 have been registered on 09 February 2021	
PWL/CHA/20	The bar sizes of 16 & 25mm have been added to bar pattern CHA159 on 12 March 2021	
PWL/CHA/20	Additional remark "(•) mark/marks may be found on the same side of the bar at random"	
	has been added in the existing bar pattern of CHA159 and recorded on 12 March 2021	
PWL/TUK/4	The bar size of 50mm has been added to bar pattern TUK34 on 31 March 2021	
PWL/ALA/1	The bar sizes of 8, 10, 12, 16, 20, 25 & 32mm of new bar pattern ALA1 have been registered on 07April 2021	
PWL/IND/1	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern IND6 have been registered on 03 June 2021	
PWL/TUK/6	The bar sizes of 8 & 10mm of new bar pattern TUK43 have been registered on 08 June 2021	
PWL/TUK/6	The bar sizes of 12, 16, 20, 25, 32 & 40mm of new bar pattern TUK44 have been registered on 10 June 2021	
PWL/SDA/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern SDA7 have been registered on 30 June 2021	
PWL/RUS/1	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern RUS8 have been registered on 09 August 2021	
PWL/INA/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern INA3 have been registered on 17 August 2021	
PWL/CHA/19	The bar sizes of 16 & 25mm have been added to bar pattern CHA158 on 20 September 2021	
PWL/CHA/20	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA161 have been registered on 21 September 2021	
PWL/OMN/1	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern OMN3 have been registered on 30 September 2021	
PWL/VNM/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern VNM5 have been registered on 22 November 2021	
PWL/UAE/1	· · · · · · · · · · · · · · · · · · ·	
PWL/IND/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern UAE4 have been registered on 14 March 2022	
PWL/IND/1	The bar sizes of 16 & 20mm of new bar pattern IND7 have been registered on 17 March 2022	
PWL/SDA/1	The bar sizes of 10 & 12mm of new bar pattern IND8 have been registered on 17 March 2022	
PWL/SDA/1 PWL/JPN/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern SDA8 have been registered on 03 May 2022	
	The bar sizes of 10, 12, 16, 20 & 25mm of new bar pattern JPN9 have been registered on 09 June 2022	
PWL/CHA/20	The bar sizes of 10, 12 & 16mm of new bar pattern CHA162 have been registered on 05 August 2022	
PWL/MAL/3	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern MAL21 have been registered on 05 August 2022	
PWL/CHA/20	The bar sizes of 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA163 have been registered on 02 September 2022	
PWL/CHA/19	The bar size of 40mm has been added to bar pattern CHA152 on 30 September 2022	
PWL/CHA/20	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA164 have been registered on 21 October 2022	
PWL/CHA/20	Coil of sizes 6, 8, 10 & 12mm of bar pattern CHA164 have been registered on 21 October 2022	
PWL/VNM/1	The bar size of 32mm has been added to bar pattern VMN3 on 25 October 2022	
PWL/CHA/20	Coil of size 10mm of bar pattern CHA163 has been registered on 03 November 2022	
PWL/CHA/21	The bar sizes of 12, 16, 20, 25, 32, 40 & 50mm of new bar pattern CHA165 have been registered on 16 November 2022	
PWL/CHA/21	Coil of sizes 6, 8, 10 & 12mm of bar pattern CHA165 have been registered on 16 November 2022	
PWL/UAE/1	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern UAE5 have been registered on 12 January 2023	
PWL/IND/1	The bar sizes of 12, 16, 20, 25, 32 & 40mm of new bar pattern IND9 have been registered on 20 January 2023	
PWL/CHA/21	The bar size of 50mm of new bar pattern CHA166 have been registered on 17 February 2023	
PWL/CHA/20	The bar size of 50mm has been added to bar pattern CHA164 on 17 February 2023	
PWL/CHA/21	The bar size of 25mm of new bar pattern CHA167 have been registered on 7 March 2023	
PWL/CHA/20	The name of the manufacturer of bar pattern CHA163 has been changed from SGIS Songshan Co., Ltd. to	
	Guangdong Zhongnan Iron & steel Co., Ltd. and recorded on 17 May 2023.	
PWL/VNM/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern VNM6 have been registered on 31 May 2023	
PWL/CHA/21	The bar size of 10, 12, 16, 20, 25 & 32mm of new bar pattern CHA168 have been registered on 14 June 2023	
PWL/CHA/21	The bar size of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA169 have been registered on 25 August 2023	
PWL/VNM/1	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern VNM7 have been registered on 14 September 2023	
PWL/INA/1	The bar sizes of 8, 10, 12, 16, 20, 25 & 32mm of new bar pattern INA4 have been registered on 19 September 2023	
PWL/VNM/1	The bar size of 40mm has been added to bar pattern VNM7 and the name of the manufactureron was amended to	
_ (,, (11111/1/1	VAS Group Nghi Son Joint Stock Company on 30 November 2023	
PWL/OMN/1	The bar sizes of 10, 12, 16, 20, 25 & 32mm of new bar pattern OMN4 have been registered on 30 November 2023	

<u>List of Revision to Drawings on Bar Pattern of Confirmed</u>

Origin Manufactured to CS2 / BS4449:2005 (October 2024)

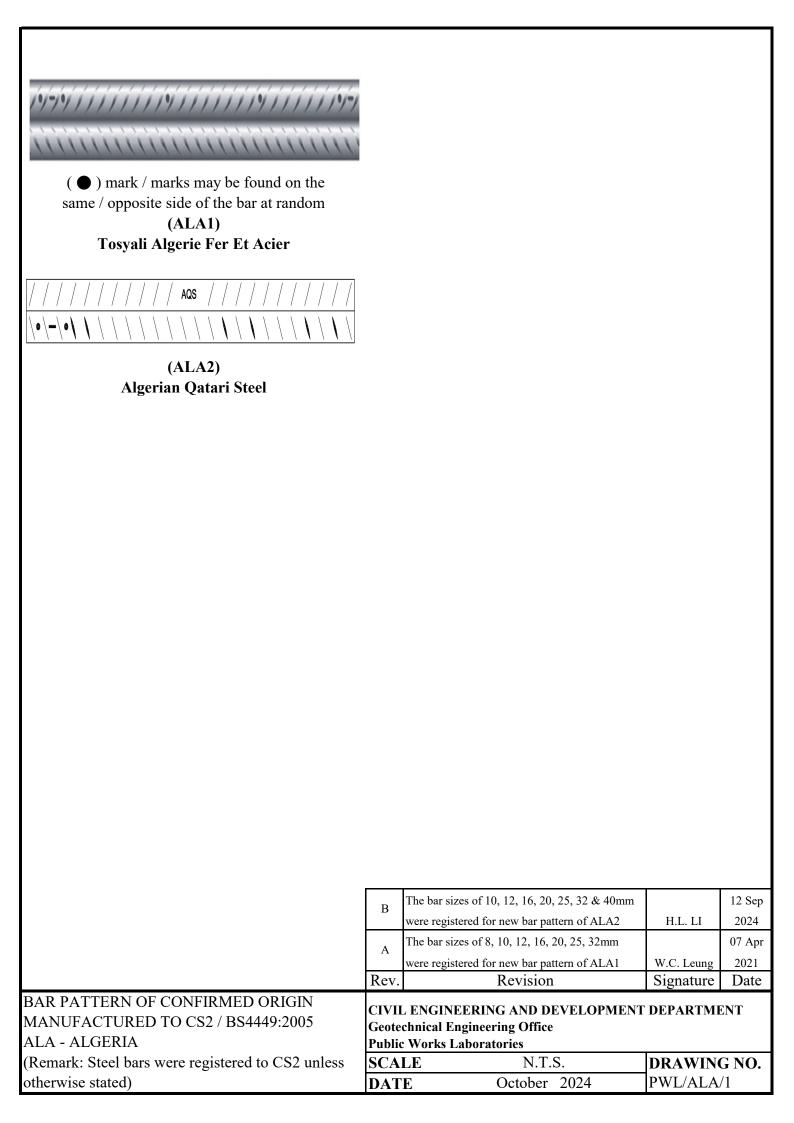
Page 8 of 8

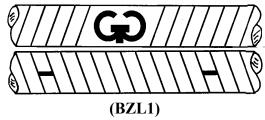
	Page 8 of a
Drawing No.	Revision since 2010
PWL/HKG/1	The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50 mm of new bar pattern HKG9 have been registered on 16 Jan 2024
PWL/CHA/21	The bar sizes of 12, 16, 20 & 25mm of new bar pattern CHA170 have been registered on 7 Feb 2024
PWL/CHA/21	Coil of sizes 6, 8, 10 & 12 mm and the bar size of 12, 16, 20, 25, 32, 40 & 50mm of new bar pattern CHA171 have been registered on 26 Jun 2024
PWL/CHA/21	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA172 have been registered on 29 Jul 2024
PWL/MAL/3	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern MAL22 have been registered on 13 Aug 2024
WL/TUK/45	Coil of sizes 8, 10, 12 & 16 mm of new bar pattern TUK45 have been registered on 20 Aug 2024
WL/CHA/22	The bar sizes of 12, 16, 20, 25, 32 & 40mm of new bar pattern CHA173 have been registered on 20 Aug 2024
PWL/ALA/1	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm of new bar pattern ALA2 have been registered on 12 Sep 2024
PWL/CHA/21	The bar size of 50mm has been added to bar pattern CHA172 on 12 Sep 2024
PWL/MAL/3	Coil of sizes 8, 10, 12 & 16 mm of new bar pattern MAL23 have been registered on 12 Sep 2024

	Page 1 of 2	
Drawing No.	Bar Pattern	
PWL/ALA1	ALA1, ALA2	
PWL/BZL/1	BZL1	
PWL/CHA/1	CHA1, CHA3, CHA4, CHA5, CHA6, CHA7, CHA8, CHA9, CHA10	
PWL/CHA/2	CHA11, CHA12, CHA13, CHA14, CHA15, CHA16, CHA17, CHA18, CHA19, CHA20	
PWL/CHA/3	CHA22, CHA23, CHA24, CHA25, CHA26, CHA27, CHA28, CHA29, CHA30	
PWL/CHA/4	CHA31, CHA32, CHA33, CHA34, CHA35, CHA36	
PWL/CHA/5	CHA37, CHA38, CHA39, CHA40, CHA41, CHA42, CHA43, CHA44	
PWL/CHA/6	CHA45,CHA46,CHA47,CHA48,CHA49,CHA50,CHA51,CHA52	
PWL/CHA/7	CHA53,CHA54,CHA55,CHA56,CHA57,CHA58,CHA59,CHA60,CHA61	
PWL/CHA/8	CHA62, CHA63, CHA64, CHA65, CHA66, CHA67, CHA68	
PWL/CHA/9	CHA70, CHA71, CHA72, CHA73, CHA74, CHA75, CHA76, CHA77	
PWL/CHA/10	CHA78, CHA79, CHA80, CHA81, CHA82, CHA83, CHA84, CHA85, CHA86, CHA87	
PWL/CHA/11	CHA88, CHA89, CHA90, CHA91, CHA92, CHA93, CHA94	
PWL/CHA/12	CHA96, CHA97, CHA98, CHA99, CHA100, CHA101, CHA102, CHA103	
PWL/CHA/13	CHA104, CHA105, CHA106, CHA107, CHA108, CHA109, CHA110, CHA111, CHA112	
PWL/CHA/14	CHA113, CHA114, CHA115, CHA116, CHA117, CHA118, CHA119, CHA120	
PWL/CHA/15	CHA121, CHA122, CHA123, CHA124, CHA125, CHA126, CHA127, CHA128	
PWL/CHA/16	CHA129, CHA130, CHA131, CHA132, CHA133, CHA134, CHA135, CHA136	
PWL/CHA/17	CHA137, CHA138, CHA139, CHA140, CHA141, CHA142, CHA143	
PWL/CHA/18	CHA144, CHA145, CHA146, CHA147, CHA148, CHA149, CHA150, CHA151	
PWL/CHA/19	CHA152, CHA153, CHA154, CHA155, CHA156, CHA157, CHA158	
PWL/CHA/20	CHA159, CHA160, CHA161, CHA162, CHA163, CHA164	
PWL/CHA/21	CHA165, CHA166, CHA167, CHA168, CHA169, CHA170, CHA171, CHA172	
PWL/CHA/22	CHA173	
PWL/CZH/1	CZH1, CZH2, CZH3	
PWL/EGT/1	EGT1	
PWL/FRE/1	FRE1, FRE2	
PWL/GRE/1	GRE1	
PWL/GRY/1	GRY1, GRY2, GRY3	
PWL/HKG/1	HKG1, HKG2, HKG3, HKG4,HKG5, HKG6, HKG7, HKG8, HKG9	
PWL/HOL/1	HOL1, HOL2	
PWL/IND/1	IND1, IND2, IND3, IND4, IND5, IND6. IND7, IND8, IND9	
PWL/INA/1	INA1, INA2, INA3, INA4	
PWL/ITY/1	ITY1, ITY2, ITY3, ITY4, ITY5	
PWL/JPN/1	JPN1, JPN2, JPN3, JPN4, JPN5, JPN6, JPN7, JPN8, JPN9	
PWL/KOR/1		
PWL/KOR/2		
PWL/KOR/3	KOR21, KOR23, KOR24	
PWL/LAT/1		
PWL/LUX/1		
PWL/MAL/1	MAL1, MAL2, MAL3, MAL4, MAL5, MAL6, MAL7, MAL8, MAL9, MAL10	
PWL/MAL/2	MAL11, MAL12, MAL13, MAL14, MAL15, MAL16, MAL17, MAL18	
PWL/MAL/3	MAL19, MAL20, MAL21, MAL22, MAL23	
PWL/MDA/1	MDA1	
PWL/MEX/1	MEX1, MEX2, MEX3, MEX4, MEX5, MEX6, MEX7, MEX8, MEX9	
PWL/NOR/1	NOR1, NOR2, NOR3	
PWL/OMN/1	OMN1, OMN2, OMN3, OMN4	
PWL/POL/1	POL1, POL2	
PWL/QTR/1	QTR1, QTR2, QTR3	

Page 2 of 2

Drawing No.	Bar Pattern	
PWL/ROB/1	OB1, ROB2, ROB3	
PWL/RUS/1	RUS3, RUS4, RUS5, RUS6, RUS7, RUS8	
PWL/SAF/1	SAF1, SAF2, SAF3, SAF4, SAF5, SAF6, SAF7, SAF8	
PWL/SDA/1	SDA1, SDA2, SDA3, SDA4, SDA5, SDA6, SDA7, SDA8	
PWL/SGP/1	SGP1, SGP2, SGP3, SGP4, SGP5	
PWL/SGP/2	SGP6, SGP7, SGP8	
PWL/SPN/1	SPN1, SPN2, SPN3, SPN4, SPN5, SPN6, SPN7, SPN8, SPN9	
PWL/SPN/2	SPN10, SPN11, SPN12,SPN13, SPN14, SPN15,SPN16	
PWL/SPN/3	SPN17, SPN18, SPN19	
PWL/SWN/1	SWN1	
PWL/TAW/1	TAW1, TAW2, TAW3, TAW4, TAW5, TAW6, TAW7, TAW8, TAW9	
PWL/TAW/2	TAW10, TAW11, TAW12, TAW13, TAW14	
PWL/THD/1	THD1, THD2, THD3, THD4, THD5, THD6, THD7, THD8, THD9, THD10	
PWL/THD/2	THD11, THD12	
PWL/TUK/1	TUK1, TUK2, TUK3, TUK4, TUK5, TUK6, TUK7, TUK8, TUK9, TUK10	
PWL/TUK/2	TUK11, TUK12, TUK13, TUK14, TUK15, TUK16, TUK17, TUK18,TUK19, TUK20	
PWL/TUK/3	TUK21,TUK22,TUK23,TUK24,TUK25,TUK26,TUK27,TUK28	
PWL/TUK/4	TUK29,TUK30,TUK31,TUK32, TUK33, TUK34	
PWL/TUK/5	TUK35, TUK36, TUK37, TUK38, TUK39, TUK40	
PWL/TUK/6	TUK41, TUK42, TUK43, TUK44, TUK45	
PWL/UAE/1	UAE2, UAE3, UAE4, UAE5	
PWL/UKD/1	JKD1, UKD2, UKD3, UKD4, UKD5, UKD6, UKD7, UKD8, UKD9	
PWL/UKR/1	JKR1, UKR3	
PWL/VNM/1	VNM1, VNM2, VNM3, VNM4, VNM5, VNM6, VNM7	

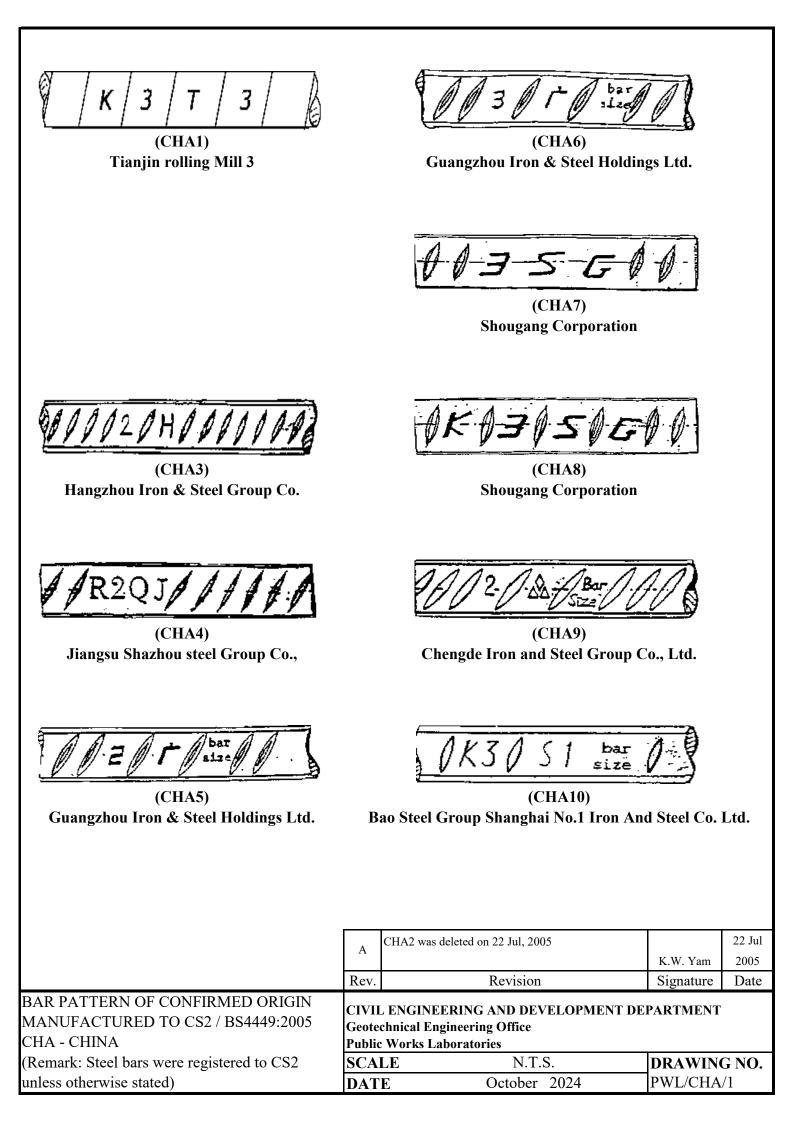




(BZL1) GERDAU S.A.

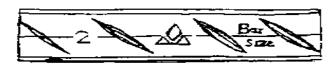
BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
BZL - BRAZIL
(Remark: Steel bars were registered to CS2 unless
otherwise stated)

	Rev.	Revision	Signature	Date
	CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories			
	SCA	LE N.T.S.	DRAWING	G NO.
DATE October 2024 PWL/BZL/1		' 1		





(CHA11) LAIWU STEEL CORPORATION



(CHA16) Chengde Iron & Steel Group Co., Ltd.



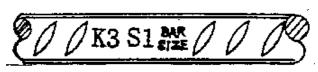
(CHA12)
Shaoguan Iron and Steel Corporation Ltd.



(CHA17)
Tang Shan Iron and steel Co., Ltd.



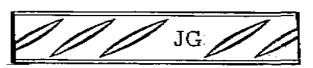
(CHA13) Chengde Iron & Steel Group Co., Ltd.



(CHA18)
Bao Steel Group Shanghai No.1 Iron And Steel Co. Ltd.



(CHA14)
Guangzhou Iron & Steel Holdings Ltd.



(CHA19)
Jinan Iron & Steel Group Corp.



Guangzhou Iron & Steel Holdings Ltd.



(CHA20) Shaoguan Iron and Steel Corporation Ltd.

Signature

Date

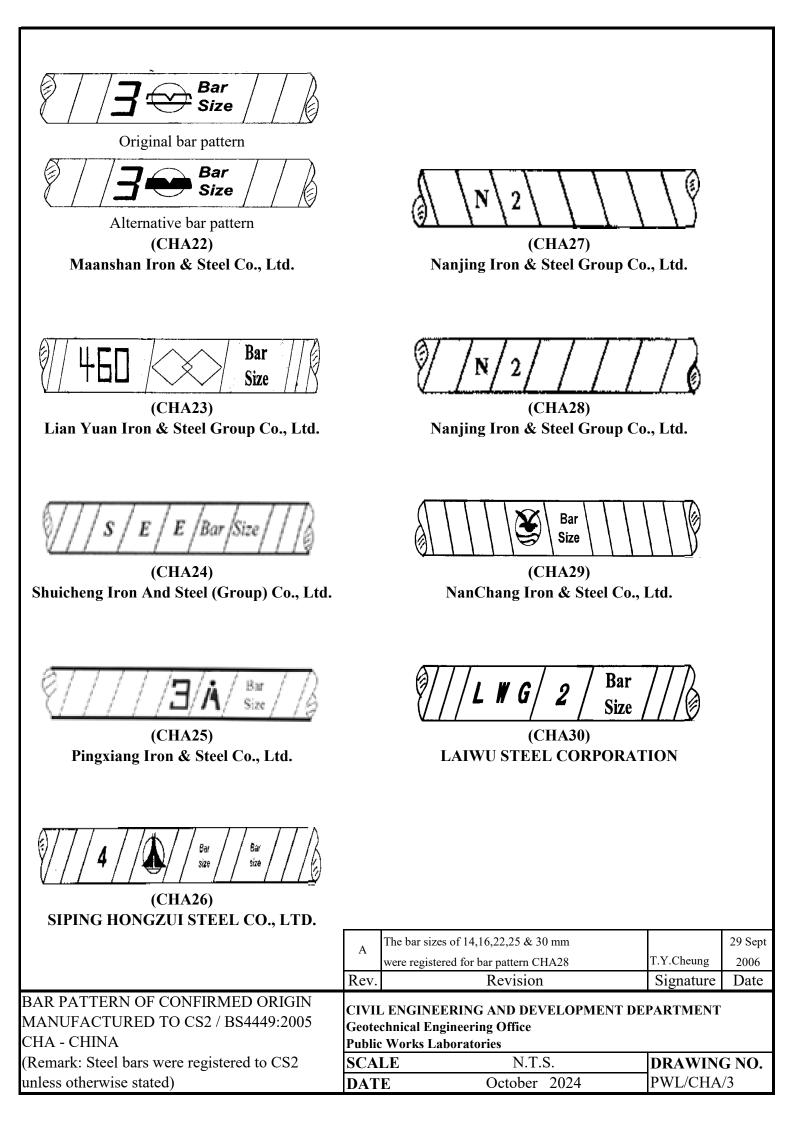
(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
Geotechnical Engineering Office
Public Works Laboratories

Revision

Rev.

SCALE N.T.S. DRAWING NO.
DATE October 2024 PWL/CHA/2

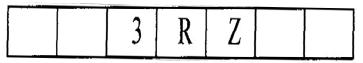


(CHA31) ANYANG IRON AND STEEL GROUP CO LTD.	OR OR (CHA34) PANGANG GROUP CHENGDU CO., LTD.	BAR SIZE // // IRON & STEEL
(CHA32) Guangzhou Shuangling Iron & Steel Industry Co., Ltd.	CHA35) LAIWU STEEL CORPOR	BAR //
(CHA33) Jiangsu-Shagang Group Co., Ltd.	(CHA36) China Shougang International Tra Corporation	V V
	C The bar sizes of 50 mm was registered for bar pattern of CHA35	08 O C.T.Kwok 200
	B The bar sizes of 50 mm were registered for bar pattern of CHA32 A The bar sizes of 10-32mm were registered for bar pattern of CHA32 Rev. Revision	T.Y.Cheung 200 12 Ja K.W.YAM 200 Signature Dat
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA	CIVIL ENGINEERING AND DEVELOPMENT Geotechnical Engineering Office Public Works Laboratories	
(Remark: Steel bars were registered to CS2 unless otherwise stated)	SCALEN.T.S.DATEOctober 2024	DRAWING NO PWL/CHA/4



(CHA37)

China Shougang International Trade & Engineering Corporation



(CHA43) Rizhao Steel Co.,Ltd.

00305 M 0 BAR SIZE 00

(CHA38)

GuangDong Sino Master Group Co., Ltd

113/XIE1

(CHA44) JiangYin Xicheng Steel Co., Ltd.

EDDISAZATOZAO S

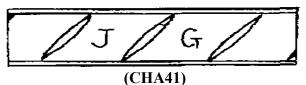
(CHA39)

Tianjin Tiantie Zhaer Steel Production Co., Ltd.



(CHA40)

Dayawan Bollink Steel Works Co., Ltd.



Jinan Iron & Steel Co., Ltd.

11315M/BAR 11

(CHA42)

Shenzhen Sino Master Steel Co., Ltd.

M	The bar sizes of 40 mm was		11 Mar
	registered for bar pattern of CHA39	C.T.Kwok	2010
L	Change of manufacturer's name to Shenzhen		01 Feb
	Sino Master Steel Co., Ltd. for CHA42	C.T.Kwok	2008
K	The bar sizes of 40 mm was		02 Nov
IX.	registered for bar pattern of CHA41	C.T.Kwok	2007
J	The bar sizes of 16, 20 & 25 mm were		07 Mar
,	registered for bar pattern of CHA44	C.T.Kwok	2007
ı	The bar sizes of 10 mm was		16 Jan
	registered for bar pattern of CHA41	C.T.Kwok	2007
Н	The bar sizes of 40 mm was		23 Oct
11	registered for bar pattern of CHA42	T.Y.Cheung	2006
G	The bar sizes of 16, 20 & 25 mm were		31 Oct
	registered for new bar pattern of CHA43	T.Y.Cheung	2006
F	The bar sizes of 10-25 mm were		21 Sept
	registered for bar pattern of CHA39	T.Y.Cheung	2006
E	New bar pattern of CHA42 was		11 Apr
	registered	Ivy Cheung	2006
D	New bar pattern of CHA41 was		24 Mar
	registered	Ivy Cheung	2006
С	The bar sizes of 10-40 mm were		5 Aug
	registered for bar pattern of CHA40	K.W.YAM	2005
В	The bar sizes of 32 & 50 mm were		22 Jul
Б	registered for bar pattern of CHA39	K.W.YAM	2005
A	The bar sizes of 20-32mm were		15 Jun
A	registered for bar pattern of CHA38	K.W.YAM	2005
Rev.	Revision	Signature	Date

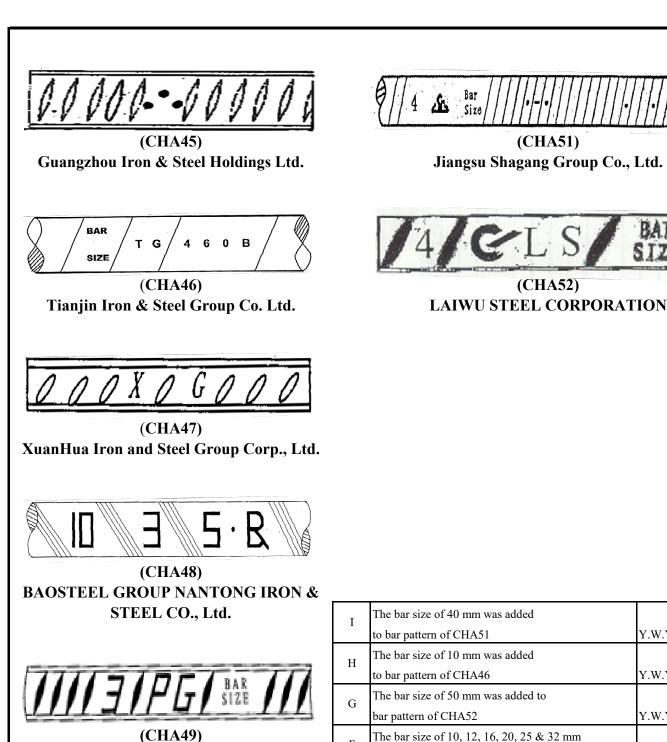
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

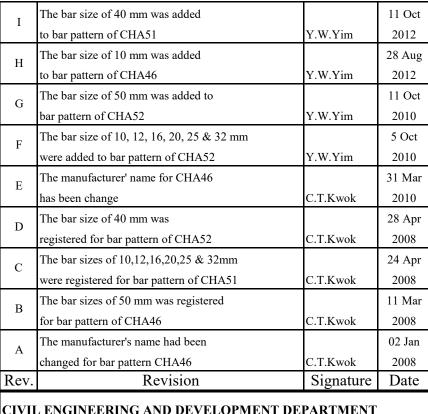
(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories

SCALE N.T.S. DRAWING NO.

DATE October 2024 PWL/CHA/5





(CHA51)

(CHA52)

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

Pingxiang Iron & Steel Co., Ltd.

(CHA50)

LAIWU STEEL CORPORATION

BAR

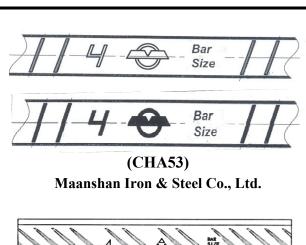
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LWG 3

(Remark: Steel bars were registered to CS2) unless otherwise stated)

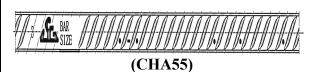
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT **Geotechnical Engineering Office**

Public Works La	poratories	
SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/CHA/6





(CHA54)
Chengde Xinxin Vanadium and Titanium
Co., Ltd.



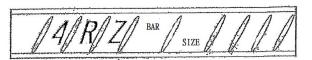
Jiangsu Shagang Group Co., Ltd.



(CHA56) LAIWU STEEL CORPORATION



Fushun New Steel Corp. Ltd.



For anti-counterfeiting reason (**H**) mark /marks may be found on the opposite side of the bar at random

(CHA58) Rizhao Steel Wire Co., Ltd.



(CHA59)

Guangzhou Panyu Yufeng Iron and Steel Co., Ltd.

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

(Remark: Steel bars were registered to CS2 unless otherwise stated)



(CHA60)

Zhe Jiang Yuanli Metal Products Group Co., Ltd.

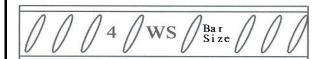


(CHA61) Jining Yuanda Iron Steel Co., Ltd.

-			
0	The bar size of 40 mm was		28 Dec
	added to bar pattern of CHA58	Y.W.Yim	2012
N	The bar size of 10 and 40 mm were		24 Sept
	added to bar pattern of CHA59	Y.W.Yim	2012
M	The bar size of 12 mm was		15 Oct
171	added to bar pattern of CHA59	C.T.Kwok	2008
L	The bar size of 40 mm was		26 Aug
	added to bar pattern of CHA54	C.T.Kwok	2008
K	The bar size of 20 mm was		26 Aug
	added to bar pattern of CHA57	C.T.Kwok	2008
J	The bar size of 10 mm was		15 Aug
	registered for new bar pattern of CHA61	C.T.Kwok	2008
ı	The bar sizes of 16, 20 & 25 mm were		11 Aug
	registered for new bar pattern of CHA60	C.T.Kwok	2008
Н	The bar sizes of 16, 20 25 & 32 mm were		22 July
	registered for new bar pattern of CHA59	C.T.Kwok	2008
G	The bar sizes of 16, 20 & 25 mm were		15 July
	registered for bar pattern of CHA58	C.T.Kwok	2008
F	Additional bar size of 40 mm was		30 June
	registered for bar pattern of CHA56	C.T.Kwok	2008
Е	The bar sizes of 16 & 25 mm were		11 June
	registered for bar pattern of CHA57	C.T.Kwok	2008
D	The bar sizes of 10,12,16,20&25 mm		03 June
	were registered for bar pattern of CHA56	C.T.Kwok	2008
С	The bar sizes of 10 mm was		29 May
	registered for bar pattern of CHA55	C.T.Kwok	2008
В	The bar sizes of 12,16,20,25 & 32 mm		08 May
	were registered for bar pattern of CHA54	C.T.Kwok	2008
A	The bar sizes of 12,16,20,25 & 32 mm		29 Apr
	were registered for bar pattern of CHA53	C.T.Kwok	2008
Rev.	Revision	Signature	Date

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office

Public	Works Laboratories		
SCAI	E N.T.	.S.	DRAWING NO.
DATI	C October	2024	PWL/CHA/7



(CHA62) Shanghai Shente Beam Co., Ltd.

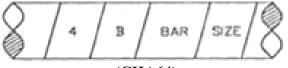


(CHA68)

MaoMing HengDa Iron & Steel Co., Ltd.



(CHA63)
Guangzhou Iron & Steel Holdings Ltd.



(CHA64) Baotou Iron & Steel (Group) Co., Ltd.



(CHA65) SGIS SongShan Co., Ltd.

	4 /	ЈМ /	Bar		
V/_		/			

(CHA66)
Gaoming Jianming Steel Rolling Fty. Ltd.
of Foshan



(CHA67) Tianjin Tiantie Zhaer Steel Production Co., Ltd.

О	The bar size of 50 mm was added		6 Sept
	to bar pattern of CHA67	Y.W.Yim	2013
M	The bar size of 12 mm was added		6 Oct
	to bar pattern of CHA68	Y.W.Yim	2011
L	The bar size of 16, 25 & 32 mm were		5 Oct
	registered for new bar pattern of CHA69	Y.W.Yim	2010
K	The bar size of 12 & 32 mm were added		16 Sep
	to bar pattern of CHA58	Y.W.Yim	2010
J	The bar size of 16, 20, 25 & 32 mm were		26 Aug
	added to bar pattern of CHA68	Y.W.Yim	2010
I	The bar size of 10 & 12 mm were added		9 Jun
1	to bar pattern of CHA67	Y.W.Yim	2010
Н	The bar size of 16,20, 25,32 & 40 mm		16 Apr
11	were registered for new bar pattern of CHA67	C.T.Kwok	2010
G	The bar size of 20 & 25 mm were		09 Nov
	added to bar pattern of CHA66	C.T.Kwok	2009
F	The bar sizes of 10,12 & 16 mm were		21 Jan
1	registered for new bar pattern of CHA66	C.T.Kwok	2009
Е	The bar sizes of 10,14,18,20,25,28,32,36 &		16 Jan
E	40mm were registered for bar pattern of CHA65	C.T.Kwok	2009
D	The bar sizes of 12,16 & 22mm were		9 Dec
	registered for new bar pattern of CHA65	C.T.Kwok	2008
С	The bar sizes of 16,20,25, & 32 mm were		30 Oct
	registered for new bar pattern of CHA64	C.T.Kwok	2008
В	The bar sizes of 12,16,20,25,32 & 40 mm		24 Oct
В	were registered for new bar pattern of CHA63	C.T.Kwok	2008
	The bar sizes of 10,12,16,20,25 & 32 mm		15 Oct
A	were registered for new bar pattern of CHA62	C.T.Kwok	2008
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
Geotechnical Engineering Office
Public Works Laboratorics

Public Works L	aboratories	
SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/CHA/8



(CHA70) Shenzhen Welmetal Steel Co., Ltd.



(CHA71)

Tangshan Guofeng Iron & Steel Co., Ltd.



(CHA72)

Yang Chun New Iron & Steel Co., Ltd.



(CHA73)

Zhuhai Yueyufeng Iron & Steel Co., Ltd.



(CHA74)

Jiangsu Yonggang Group Co., Ltd.



(CHA75)

Shenzhen Welmetal Steel Co., Ltd.



(CHA76)

Benxi Beiying Iron & Steel (Group) Co., Ltd.



(CHA77)

Jiangsu Yonggang Group Co., Ltd.

Dear pattern of CHA76	Jiangsu Yonggang Group Co., Ltd.				
Dar pattern of CHA76		The bar size of 10 mm was added to		21 Nov	
P bar pattern of CHA70		bar pattern of CHA76	Y.W.Yim	2013	
Dar pattern of CHA70	p	The bar size of 12 & 16 mm were added to		3 Jan	
were registered for new bar pattern CHA77 Y.W.Yim 20 N The bar size of 16, 20 & 40 mm was added to bar pattern of CHA75 Y.W.Yim 20 M The bar size of 12 mm was added to bar pattern of CHA72 Y.W.Yim 20 L The bar sizes of 12, 16, 20, 25, 32 & 40 mm were registered for new bar pattern of CHA76 Y.W.Yim 20 K The bar sizes of 25 & 32 mm were registered for new bar pattern of CHA75 Y.W.Yim 20 J The bar sizes of 10, 12, 16, 20, 25, 32 and 40 mm were registered for new bar pattern CHA74 Y.W.Yim 20 I The bar sizes of 10, 12, 16, 20, 25, 32, 40 and 50mm were registered for new bar pattern CHA74 Y.W.Yim 20 The bar size of 40 mm was added to bar pattern of CHA62 Y.W.Yim 20 G The bar size of 50 mm was added to bar pattern of CHA70 Y.W.Yim 20 F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 Y.W.Yim 20 The bar size of 40 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 16, 20 & 25 mm were registered for new bar pattern of CHA71 Y.W.Yim 20 The bar size of 32 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 32 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 32 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 30 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 30 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 30 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 30 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 20 mm was added to y.W.Y.Y.W.Y.Y.W.Y.W.Y.W.Y.W.Y.W.Y.W.Y.W.		bar pattern of CHA70	Y.W.Yim	2013	
N The bar size of 16, 20 & 40 mm was added to bar pattern of CHA75 M The bar size of 12 mm was added to bar pattern of CHA72 L The bar sizes of 12, 16, 20, 25, 32 & 40 mm were registered for new bar pattern of CHA76 K The bar sizes of 25 & 32 mm were registered for new bar pattern of CHA75 J The bar sizes of 10, 12, 16, 20, 25, 32 and 40 mm were registered for new bar pattern CHA74 Y.W.Yim The bar sizes of 10, 12, 16, 20, 25, 32 and 40 mm were registered for new bar pattern CHA74 The bar sizes of 10, 12, 16, 20, 25, 32, 40 and 50mm were registered for new bar pattern CHA73 H The bar size of 40 mm was added to bar pattern of CHA62 G The bar size of 50 mm was added to bar pattern of CHA70 F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 The bar size of 40 mm was added to bar pattern of CHA70 The bar size of 40 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 Y.W.Yim The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar size of 10 & 25 mm were	О	The bar sizes of 10, 12, 16, 20, 25, 32 and 40 mm		21 Nov	
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M The bar size of 12 mm was added to bar pattern of CHA72 Y.W.Yim 20 L The bar sizes of 12, 16, 20, 25, 32 & 40 mm were registered for new bar pattern of CHA76 Y.W.Yim 20 K The bar sizes of 25 & 32 mm were registered for new bar pattern of CHA75 Y.W.Yim 20 The bar sizes of 10, 12, 16, 20, 25, 32 and 40 mm were registered for new bar pattern CHA74 Y.W.Yim 20 The bar sizes of 10, 12, 16, 20, 25, 32 and 40 mm were registered for new bar pattern CHA74 Y.W.Yim 20 The bar sizes of 10, 12, 16, 20, 25, 32, 40 and 50mm were registered for new bar pattern CHA73 Y.W.Yim 20 The bar size of 40 mm was added to bar pattern of CHA62 Y.W.Yim 20 The bar size of 50 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 Y.W.Yim 20 The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 Y.W.Yim 20 The bar size of 40 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 32 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 32 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 20 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 20 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20	N	The bar size of 16, 20 & 40 mm was added to		12 Nov	
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J The bar sizes of 10, 12, 16, 20, 25, 32 and 40 mm were registered for new bar pattern CHA74 I The bar sizes of 10, 12, 16, 20, 25, 32, 40 and 50mm were registered for new bar pattern CHA73 H The bar size of 40 mm was added to bar pattern of CHA62 G The bar size of 50 mm was added to bar pattern of CHA70 F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 Y.W.Yim The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar sizes of 10 & 25 mm were	K	The bar sizes of 25 & 32 mm were registered		13 Jul	
were registered for new bar pattern CHA74 I The bar sizes of 10, 12, 16, 20, 25, 32, 40 and 50mm were registered for new bar pattern CHA73 H The bar size of 40 mm was added to bar pattern of CHA62 G The bar size of 50 mm was added to bar pattern of CHA70 F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 The bar size of 40 mm was added to bar pattern of CHA70 The bar size of 16, 20 & 25 mm were registered for new bar pattern of CHA71 The bar size of 40 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar sizes of 10 & 25 mm were		for new bar pattern of CHA75	Y.W.Yim	2012	
The bar sizes of 10, 12, 16, 20, 25, 32, 40 and 50mm were registered for new bar pattern CHA73 H The bar size of 40 mm was added to bar pattern of CHA62 G The bar size of 50 mm was added to bar pattern of CHA70 F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 Y.W.Yim The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 The bar size of 40 mm was added to bar pattern of CHA70 Y.W.Yim The bar size of 40 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 Y.W.Yim 20 A The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20 Y.W.Yim 20 21.10 Y.W.Yim 20 21.11 20 21.12 Y.W.Yim 20 21.13 21.14 21.15 22.15 23.15 24.15 25.15 26.15 27.25 28.15 29.25 20.25	J	The bar sizes of 10, 12, 16, 20, 25, 32 and 40 mm		3 May	
were registered for new bar pattern CHA73 H The bar size of 40 mm was added to bar pattern of CHA62 G The bar size of 50 mm was added to bar pattern of CHA70 F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 The bar size of 40 mm was added to bar pattern of CHA71 The bar size of 40 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to yar pattern of CHA70 The bar size of 20 mm was added to yar pattern of CHA70 The bar size of 20 mm was added to yar pattern of CHA70 The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20		were registered for new bar pattern CHA74	Y.W.Yim	2012	
H The bar size of 40 mm was added to bar pattern of CHA62 Y.W.Yim 20 G The bar size of 50 mm was added to bar pattern of CHA70 Y.W.Yim 20 F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 Y.W.Yim 20 E The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 Y.W.Yim 20 The bar size of 40 mm was added to bar pattern of CHA70 Y.W.Yim 20 C The bar size of 32 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 20 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 20 mm was added to yar pattern of CHA70 Y.W.Yim 20 The bar size of 20 mm was added to yar pattern of CHA70 Y.W.Yim 20 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20	I	The bar sizes of 10, 12, 16, 20, 25, 32, 40 and 50mm		22 Mar	
bar pattern of CHA62 G The bar size of 50 mm was added to bar pattern of CHA70 F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 The bar size of 40 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20 The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20		were registered for new bar pattern CHA73	Y.W.Yim	2012	
G The bar size of 50 mm was added to bar pattern of CHA70 F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 The bar size of 40 mm was added to bar pattern of CHA70 C The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20	Н	The bar size of 40 mm was added to		5 Mar	
bar pattern of CHA70 F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 The bar size of 40 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W. Yim 20		bar pattern of CHA62	Y.W.Yim	2012	
F The bar sizes of 16, 20, 25 & 32 mm were registered for new bar pattern of CHA72 Y.W.Yim 20 E The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 Y.W.Yim 20 The bar size of 40 mm was added to bar pattern of CHA70 Y.W.Yim 20 C The bar size of 32 mm was added to bar pattern of CHA70 Y.W.Yim 20 B The bar size of 20 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 20 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20	G	The bar size of 50 mm was added to		17 Oct	
registered for new bar pattern of CHA72 E The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 D The bar size of 40 mm was added to bar pattern of CHA70 C The bar size of 32 mm was added to bar pattern of CHA70 B The bar size of 20 mm was added to bar pattern of CHA70 A The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20		bar pattern of CHA70	Y.W.Yim	2011	
The bar sizes of 16, 20 & 25 mm were registered for new bar pattern of CHA71 The bar size of 40 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20	F	The bar sizes of 16, 20, 25 & 32 mm were		7 Oct	
registered for new bar pattern of CHA71 The bar size of 40 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 32 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar size of 20 mm was added to bar pattern of CHA70 The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20		registered for new bar pattern of CHA72	Y.W.Yim	2011	
registered for new bar pattern of CHA71 Y.W.Yim 20 The bar size of 40 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 32 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 32 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar size of 20 mm was added to bar pattern of CHA70 Y.W.Yim 20 The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W. Yim 20	E	The bar sizes of 16, 20 & 25 mm were		25 Jul	
bar pattern of CHA70 C The bar size of 32 mm was added to bar pattern of CHA70 B The bar size of 20 mm was added to bar pattern of CHA70 A The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20		registered for new bar pattern of CHA71	Y.W.Yim	2011	
bar pattern of CHA70 C The bar size of 32 mm was added to bar pattern of CHA70 B The bar size of 20 mm was added to bar pattern of CHA70 Y.W.Yim 20 Y.W.Yim 20 A The bar size of 20 mm was added to bar pattern of CHA70 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20 Y.W.Yim 20	D	The bar size of 40 mm was added to		21 Jun	
B		bar pattern of CHA70	Y.W.Yim	2011	
bar pattern of CHA70 Y.W.Yim 20 B The bar size of 20 mm was added to bar pattern of CHA70 Y.W.Yim 20 A The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W. Yim 20	C	The bar size of 32 mm was added to		18 Mar	
B bar pattern of CHA70 Y.W.Yim 20 A The bar sizes of 10 & 25 mm were registered for new bar pattern of CHA70 Y.W. Yim 20		bar pattern of CHA70	Y.W.Yim	2011	
bar pattern of CHA70 Y.W.Yim 20 The bar sizes of 10 & 25 mm were 11 registered for new bar pattern of CHA70 Y.W. Yim 20	В	The bar size of 20 mm was added to		21 Feb	
A registered for new bar pattern of CHA70 Y.W. Yim 20		bar pattern of CHA70	Y.W.Yim	2011	
registered for new bar pattern of CHA70 Y.W. Yim 20	A	The bar sizes of 10 & 25 mm were		11 Oct	
	- 1			2010	
Rev. Revision Signature Da	Rev.	Revision	Signature	Date	

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

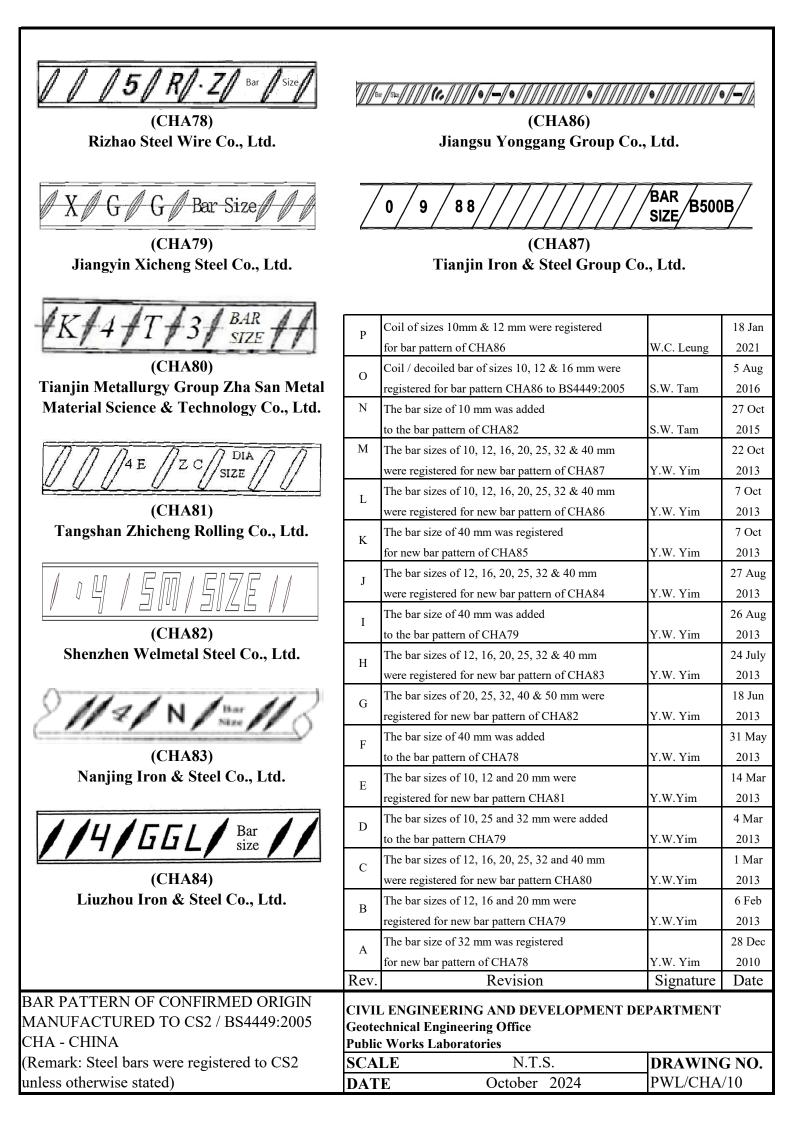
(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office

Public Works Laboratories
SCALE

DATE

N.T.S. **DRAWING NO.** October 2024 PWL/CHA/9





(CHA88) Rizhao Steel Wire Co., Ltd.



(CHA89)

Hebei Taigang Iron & Steel Rolling Co., Ltd.



(CHA90) Lingyuan Iron & Steel Co., Ltd.



(CHA91) Tangshan Donghua Steel Enterprise Group Co., Ltd.



(CHA92)
Guangdong Taidu Iron and Steel Industrial
Co., Ltd.



(CHA93)
Gaoming Jianming Steel Rolling Fty. Ltd.
of Foshan



(CHA94) Hebei Iron & Steel Group Jingye Iron & Steel Co., Ltd.

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
CHA - CHINA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

Р	The bar size of 12 & 40mm were added		22 Jun
P	to the bar pattern of CHA88	S.W. Tam	2015
0	The bar pattern CHA95 was cancelled		1 Jun
		S.W. Tam	2015
N	The bar size of 50mm was added		20 Mar
19	to the bar pattern of CHA90	S.W. Tam	2015
M	The bar size of 10, 12 & 20mm were added		18 Feb
1V1	to the bar pattern of CHA91	S.W. Tam	2015
L	The bar sizes of 10, 12, 14, 16, 20, 25 & 32 mm		24 Jun
L	were registered for new bar pattern of CHA95	W.C. Lee	2014
K	The bar sizes of 10 &12 mm were		05 Jun
IX	registered for new bar pattern of CHA92	W.C. Lee	2014
J	The bar sizes of 12, 16, 20, 25 & 32 mm were		13 May
J	registered for new bar pattern of CHA94	W.C. Lee	2014
ı	The bar size of 12 mm was added		30 Apr
1	to the bar pattern of CHA75	W.C. Lee	2014
Н	The bar size of 50 mm was added		31 Mar
11	to the bar pattern of CHA79	W.C. Lee	2014
G	The bar sizes of 10, 12, 16, 20 & 25 mm were		12 Feb
	registered for new bar pattern of CHA93	W.C. Lee	2014
F	The bar sizes of 20 mm was added		26 Feb
	to the bar pattern of CHA90	W.C. Lee	2014
Е	The bar sizes of 16, 20, 25 & 32 mm were		27 Jan
	registered for new bar pattern of CHA92	W.C. Lee	2014
D	The bar sizes of 16, 25, 32 40 & 50 mm were		27 Jan
	registered for new bar pattern of CHA91	W.C. Lee	2014
С	The bar sizes of 12, 16, 25, 32 & 40 mm were		26 Feb
	registered for new bar pattern of CHA90	W.C. Lee	2014
В	The bar sizes of 10, 12, 16, 20 25 & 32 mm were		11 Dec
	registered for new bar pattern of CHA89	W.C. Lee	2013
A	The bar sizes of 16, 20 25 & 32 mm were		25 Nov
	registered for new bar pattern of CHA88	Y.W. Yim	2013
Rev.	Revision	Signature	Date

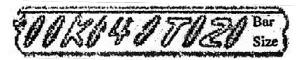
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Geotechnical Engineering Office
Public Works Laboratorics

Public Works La		
SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/CHA/11



(CHA96)

Guangzhou Panyu Yufeng Iron and Steel Co., Ltd.



(CHA103)

Tianjin Tiantie Zhaer Steel Production Co., Ltd.

(CHA97)

Hebei Taigang Iron & Steel Rolling Co., Ltd.

mark /marks may be found on the same side of the bar at randam

Bar Size

(CHA98)

Jiangsu Prosperity Steel Co., Ltd.

(CHA99)

Hebei Jinxi Iron & Steel Group Co., Ltd.

XX//bar size

(CHA100)

Wuhu Xinxing Ductile Iron Pipes Co., Ltd.

bar size

(CHA101)

Wuhu Xinxing Ductile Iron Pipes Co., Ltd.

(CHA102)

Tianjin Metallurgy Group Zha San Metal Material Science & Technology Co., Ltd.

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

0	The bar size of 20 mm was added to the bar		26 Oct
	pattern of CHA96	S.W.Tam	2016
N	The bar size of 10 mm was added to the bar		11 Aug
11	pattern of CHA102	S.W.Tam	2015
M	The bar size of 50 mm was added to the bar		04 May
IVI	pattern of CHA99	S.W.Tam	2015
L	The bar size of 12 mm was added to the bar		01 Aug
L	pattern of CHA82	W.C. Lee	2014
K	The bar sizes of 40 & 50 mm		01 Aug
IX	were registered for new bar pattern of CHA103	W.C. Lee	2014
J	The bar sizes of 12, 16, 20, 25, 32 & 40 mm		01 Aug
,	were registered for new bar pattern of CHA102	W.C. Lee	2014
l i	The bar size of 50 mm was added to the bar		31 Jul
1	pattern of CHA86	W.C. Lee	2014
Н	The bar size of 50 mm was added to the bar		31 Jul
- 11	pattern of CHA77	W.C. Lee	2014
G	The bar sizes of 16, 20, 25, 32 & 40 mm		28 Jul
	were registered for new bar pattern of CHA101	W.C. Lee	2014
F	The bar sizes of 16, 20, 25, 32 & 40 mm		28 Jul
	were registered for new bar pattern of CHA100	W.C. Lee	2014
Е	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		25 Jul
	were registered for new bar pattern of CHA99	W.C. Lee	2014
D	The bar sizes of 10, 12, 14, 16, 18, 25 & 28 mm		25 Jul
	were registered for new bar pattern of CHA98	W.C. Lee	2014
С	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		23 Jul
В	were registered for new bar pattern of CHA97	W.C. Lee	2014
	The bar sizes of 10, 12, 16, 25, 32 & 40 mm		23 Jul.
	were registered for new bar pattern of CHA96	W.C. Lee	2014
A	The bar size of 16 mm was added to the bar		22 Jul
- 1	pattern of CHA82	W.C. Lee	2014
Rev.	Revision	Signature	Date

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT **Geotechnical Engineering Office**

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N.T.S. **SCALE** DRAWING NO. October 2024 DATE PWL/CHA/12

(CHA104) Zhuhai Yueyufeng Iron & Steel Co., Ltd.					
/•/-/•/					
(CHA105) Jiangyin Xicheng Steel Co., Ltd.					
Jiangym Aicheng Steel Co., Ltu.					
(CHA106) Jiangsu Shagang Group Co., Ltd.					
11 14 E GG Bar Size 1	0	The bar size of 50 mm was added to the bar		20 May	
		pattern of CHA108	S.W.Tam	2016	
(CHA107)	N	The bar size of 50 mm was added to the bar		20 May	
Guangxi Guigang Iron And Steel Group Co., Ltd.		pattern of CHA107	S.W.Tam	2016	
Co., Ltu.	M	The bar sizes of 10, 12, 16, 20, 25 & 32 mm were registered for new bar pattern of CHA112	W.C. Lee	20 Oct 2014	
		The bar sizes of 10, 12, 14, 16, 20, 25 & 32 mm	W.C. Ecc	9 Oct	
14 E GG Bar Size 1	L	were registered for new bar pattern of CHA111	W.C. Lee	2014	
(CHA108)	K	The bar sizes of 40 & 50 mm		8 Oct	
Guangxi Guigang Iron and Steel Group	K	were registered for new bar pattern of CHA110	W.C. Lee	2014	
Co., Ltd.	J	The bar sizes of 16, 20, 25, 32 & 40 mm		6 Oct	
		were registered for new bar pattern of CHA109	W.C. Lee	2014	
5 C Z G Bar Size	I	Bar pattern CHA69 has been withdrawn by		15 Sept	
		customer	W.C. Lee	2014	
(CHA109) Zenith Steel Group Co., Ltd.	Н	The bar size of 40 mm was added to the bar pattern of CHA89	W.C. Lee	10 Sept 2014	
Zenith Steel Group Co., Ltd.		The bar size of 40 mm was added to the bar	W.C. Lee	2014 22 Aug	
THE CONFESSOR OF THE	G	pattern of CHA92	W.C. Lee	2014	
THE STEEL ST	Г	The bar sizes of 12, 16, 20, 25, 32 & 40 mm		20 Aug	
(CHA110)	F	were registered for new bar pattern of CHA108	W.C. Lee	2014	
Shandong Laigang Yongfeng Steel Corp.	Е	The bar sizes of 12, 16, 20, 25, 32 & 40 mm		20 Aug	
		were registered for new bar pattern of CHA107	W.C. Lee	2014	
Bar size	D	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		15 Aug	
(CHA111)		were registered for new bar pattern of CHA106	W.C. Lee	2014	
(CHA111) Jiangyin City Changda Steel Co., Ltd.	C	The bar size of 50 mm was added to the bar	WCI	14 Aug	
Jiangyin City Changda Steel Co., Ltd.		pattern of CHA75 The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm	W.C. Lee	2014 11 Aug	
11 5 11 D 11 T 11 11	В	were registered for new bar pattern of CHA105	W.C. Lee	2014	
1 5 B T BAR SIZE		The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		5 Aug	
(CHA112)	A	were registered for new bar pattern of CHA104	W.C. Lee	2014	
Benxi Beiying Iron & Steel (Group) Co., Ltd.	Rev.	Revision	Signature	Date	
CHA - CHINA	CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories				
	SCA		DRAWING		
unless otherwise stated)	DAT	E October 2024	PWL/CHA	/13	

		The bar size of 10 mm was		19 Sep		
404-404-4-44	W	added to the bar pattern of CHA115	W.C. Leung	2018		
4 SAT G Bar & Size A		The bar size of 12 mm was		16 Aug		
(CHA113)	V	added to the bar pattern of CHA115	W.C. Leung	2018		
Shandong Shiheng Special Steel Group		The bar sizes of 16, 20 & 25 mm were		17 Oct		
Co., Ltd.	U	added to the bar pattern of CHA115	S.W. Tam	2016		
,		The bar sizes of 16, 20 & 32 mm were		13 Aug		
AAO AAFAA TAA YAANAAATAA	T	added to the bar pattern of CHA117	S.W. Tam	2015		
MC M 5 M JM XM BURN SIZEM		The bar size of 40 mm was		09 Jul		
(CHA114)	S	added to the bar pattern of CHA120	S.W. Tam	2015		
Hebei Jinxi Iron & Steel Group Co., Ltd.	n	The bar size of 10 mm was		10 Jun		
	R	added to the bar pattern of CHA113	S.W. Tam	2015		
	Q	The bar size of 50 mm was		04 May		
	Ų	added to the bar pattern of CHA114	S.W. Tam	2015		
(CHA115)	P	The bar sizes of 10, 12, 16, 20, 25 & 32 mm were		9 Mar		
Shandong Iron and Steel Company Ltd.	1	registered for new bar pattern of CHA120	S.W. Tam	2015		
Laiwu Company	0	The bar sizes of 20, 25, 32 & 40 mm were		13 Feb		
		registered for new bar pattern of CHA119	S.W. Tam	2015		
A A A A A	N	The bar sizes of 40 & 50 mm were		19 Jan		
## Bar Size #	- '	added to the bar pattern of CHA118	S.W. Tam	2015		
y - y y > y > y	M	The bar sizes of 12, 20 & 25 mm were		13 Jan		
(CHA116)		added to the bar pattern of CHA113	S.W. Tam	2015		
Jiangyin Xicheng Steel Co., Ltd.	L	The bar sizes of 10, 12, 16, 20, 25 & 32 mm were		16 Dec		
		registered for new bar pattern of CHA118	W.C. Lee	2014		
	K	The bar pattern CHA58 was revised by		09 Dec		
BAR // BAR // BAR // BAR // BIZE// SIZE// SI		manufacturer	W.C. Lee	2014		
	J	The bar size of 50 mm was added to the bar		08 Dec		
(CHA117)		pattern of CHA108	W.C. Lee	2014		
SGIS Songshan Co., Ltd.	I	The bar size of 50 mm was added to the bar		08 Dec		
		pattern of CHA107	W.C. Lee	2014		
ARTA CIVE A POR Sign A	Н	The bar sizes of 12, 25 & 40 mm were registered	WOI	08 Dec		
		for new bar pattern of CHA117 The bar sizes of 50 mm was registered for new	W.C. Lee	2014 08 Dec		
(CHA118)	G	bar pattern of CHA116	W.C. Lee	2014		
Shandong Laigang Yongfeng Steel Corp.		The bar size of 10 mm was added to the bar	W.C. Lee	18 Nov		
Shandong Laigang Tongicing Section p.	F	pattern of CHA110	W.C. Lee	2014		
		The bar sizes of 32, 40 & 50 mm were registered	11.C. LCC	10 Nov		
AAAATATAMAVAAAAA	Е	for new bar pattern of CHA115	W.C. Lee	2014		
	_	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		07 Nov		
(CHA119)	D	were registered for new bar pattern of CHA114	W.C. Lee	2014		
Shan Dong Minyuan Iron & Steel Co. Ltd.	С	The bar size of 10 mm was added to the bar		03 Nov		
-		pattern of CHA80	W.C. Lee	2014		
A A A F Par Size I	В	The bar sizes of 12, 16, 20, 25 & 32 mm		03 Nov		
Bar Size	Б	were added to the bar pattern of CHA110	W.C. Lee	2014		
(CHA120)	Α	The bar sizes of 16, 32 & 40 mm		20 Oct		
Jiangyin City Changda Steel Co., Ltd.	11	were registered for new bar pattern of CHA113	W.C. Lee	2014		
	Rev.	Revision	Signature	Date		
BAR PATTERN OF CONFIRMED ORIGIN	CIVII	L ENGINEERING AND DEVELOPMENT DI	EPARTMENT			
MANUFACTURED TO CS2 / BS4449:2005	Geotechnical Engineering Office					
CHA - CHINA	Public Works Laboratories					
(Remark: Steel bars were registered to CS2	SCA		DRAWIN			
unless otherwise stated)	DAT	E October 2024	PWL/CHA	/14		



(CHA121)

Jiangsu Xinlin Iron & Steel Co. Ltd.



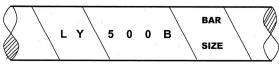
(CHA122)

Jiangsu Xinlin Iron & Steel Co. Ltd.



(CHA123)

Hebei Jingye Iron and Steel Co. Ltd.



(CHA124)

Lingyuan Iron & Steel Co., Ltd.



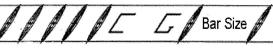
(CHA125)

Shiheng Special Steel Group Co., Ltd.



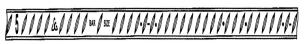
(CHA126)

Fushun New Steel Corporation Ltd.



(CHA127)

Jiangyin City Changda Steel Co., Ltd.



(CHA128)

Jiangsu Shagang Group Co., Ltd.

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

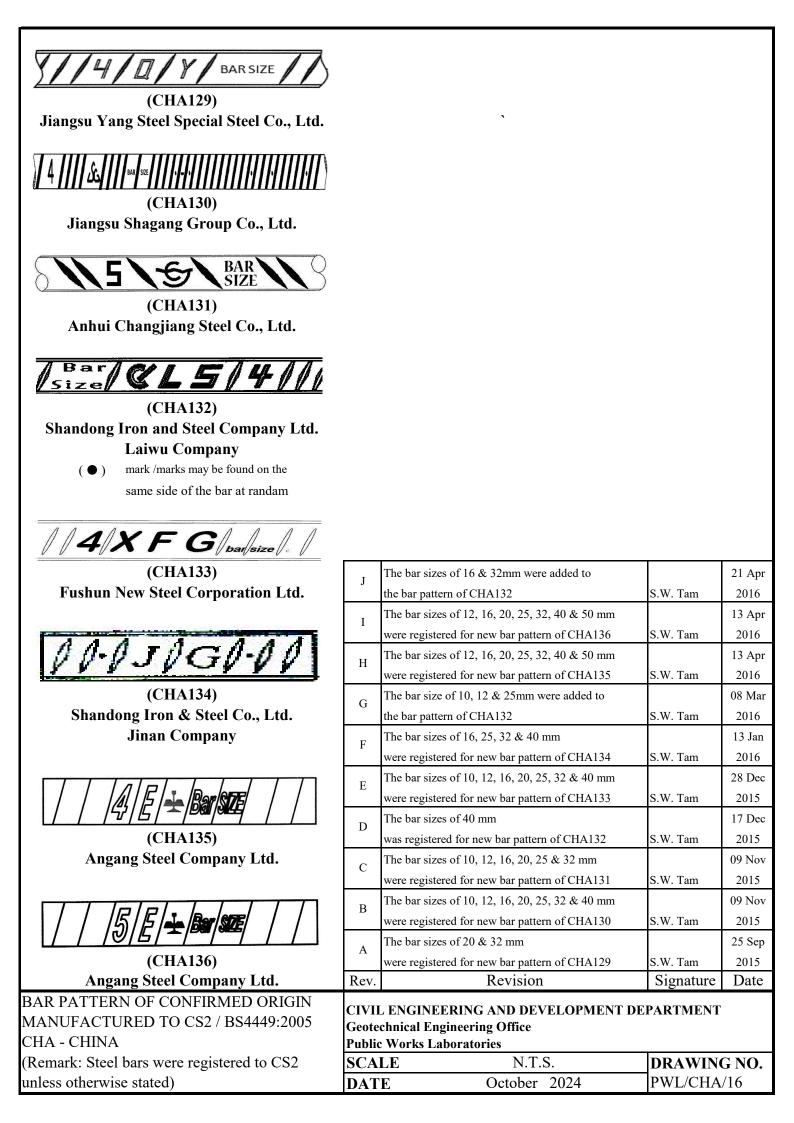
O	The bar sizes of 12, 16, 20, 25 and 32mm		08 Feb
0	were added to the bar pattern of CHA124	W.C. Leung	2017
М	Coil / decoiled bar of sizes 10, 12 & 16 mm were		22 Jul
141	registered for bar pattern CHA128 to BS4449:2005	S.W. Tam	2016
L	The bar size of 10, 12 and 20mm were added to		25 Feb
	the bar pattern of CHA127	S.W. Tam	2016
K	The bar size of 32mm was added to		15 Jan
11	the bar pattern of CHA127	S.W. Tam	2016
J	The bar sizes of 12mm was added to		30 Nov
J	the bar pattern of CHA125	S.W. Tam	2015
I	The bar sizes of 10mm was added to		27 Oct
1	the bar pattern of CHA125	S.W. Tam	2015
Н	The bar sizes of 10, 12, 16, 20, 25, 32 and 40mm		01 Sep
-11	were registered for new bar pattern of CHA128	S.W. Tam	2015
G	The bar sizes of 16, 25 and 40mm		09 Jul
	were registered for new bar pattern of CHA127	S.W. Tam	2015
F	The bar sizes of 10, 12, 16, 20, 25 and 32mm		28 May
•	were registered for new bar pattern of CHA126	S.W. Tam	2015
Е	The bar sizes of 20, 25, 32 and 40mm		07 May
	were registered for new bar pattern of CHA125	S.W. Tam	2015
D	The bar sizes of 40 and 50mm		20 Mar
	were registered for new bar pattern of CHA124	S.W. Tam	2015
С	The bar sizes of 10, 12, 16, 20, 25, 32 and 40mm		20 Mar
	were registered for new bar pattern of CHA123	S.W. Tam	2015
В	The bar sizes of 10, 12 & 16 mm		12 Mar
	were registered for new bar pattern of CHA122	S.W. Tam	2015
Α	The bar sizes of 10, 12 & 16 mm		12 Mar
	were registered for new bar pattern of CHA121	S.W. Tam	2015
Rev.	Revision	Signature	Date

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
Geotechnical Engineering Office

Public Works Laboratories
SCALE

DATE

N.T.S. **DRAWING NO.**October 2024 PWL/CHA/15



1141ZYIBAR SIZE 11 40mm (CHA137) Northern Guangdong United Steel and Iron 32mm Co., Ltd. 5BX 511 25mm (CHA138) Xinxing Ductile Iron Pipes Co., Ltd. **20mm** X 511 (CHA139) **16mm** Xinxing Ductile Iron Pipes Co., Ltd. 12mm (CHA140) Zenith Steel Group Co., Ltd. 10mm (CHA143) 11 4E | ZY | BAR SIZE 11 Xuanhua Iron & Steel Group Co., Ltd. (CHA141) Northern Guangdong United Steel and Iron Co., Ltd. The bar size of 10 mm was added to 28 Sep Ι S.W. Tam 2016 the bar pattern of CHA142 The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm 12 Aug Η (CHA142) were registered for new bar pattern of CHA143 S.W. Tam 2016 Guangzhou Panyu Yufeng Iron & Steel The bar sizes of 12, 16, 20, 25, 32 & 40 mm 01 Aug G Co., Ltd. S.W. Tam 2016 were registered for new bar pattern of CHA142 The bar sizes of 12, 16, 20, 25 & 32 mm 26 May F S.W. Tam 2016 were registered for new bar pattern of CHA141 The bar sizes of 10, 12, 16, 20, 25 & 32 mm 12 May E 2016 were registered for new bar pattern of CHA140 S.W. Tam The bar size of 12 & 16mm were added to 27 Apr D the bar pattern of CHA137 S.W. Tam 2016 The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm 25 Apr C were registered for new bar pattern of CHA139 S.W. Tam 2016 The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm 25 Apr В were registered for new bar pattern of CHA138 S.W. Tam 2016 The bar sizes of 20, 25 & 32 mm 15 Apr Α 2016 were registered for new bar pattern of CHA137 S.W. Tam Rev. Revision Signature Date BAR PATTERN OF CONFIRMED ORIGIN CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT MANUFACTURED TO CS2 / BS4449:2005

Geotechnical Engineering Office

N.T.S.

2024

October

DRAWING NO.

PWL/CHA/17

Public Works Laboratories

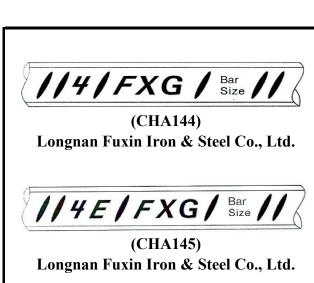
SCALE

DATE

CHA - CHINA

unless otherwise stated)

(Remark: Steel bars were registered to CS2)





(CHA146)

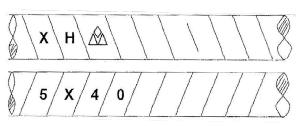
Guangzhou Iron and Steel Holdings Limited.



(CHA147)

Fushun New Steel Corporation Ltd.

(●) mark /marks may be found on the same side of the bar at randam



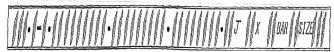
(CHA148)

Xuanhua Iron & Steel Group Co., Ltd.



(CHA149)

Shandong Laigang Yongfeng Steel Corp.



(CHA150)

Hebei Jinxi Iron & Steel Group Co., Ltd.



(CHA151)

Hebei Jinxi Iron & Steel Group Co., Ltd.

	Coil of sizes 10 & 12 mm were registered		02 Jan
J	for bar pattern of CHA149	W.C. Leung	2019
ī	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		07 Apr
1	were registered for new bar pattern of CHA151	W.C. Leung	2017
Н	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		07 Apr
п	were registered for new bar pattern of CHA150	W.C. Leung	2017
G	Coil / decoiled bar of sizes 10, 12 & 16 mm were		08 Mar
U	registered for new bar pattern CHA149 to BS4449:2005	W.C. Leung	2017
F	The bar size of 40 mm was registered		27 Feb
1	for new bar pattern of CHA148	W.C. Leung	2017
Е	The bar size of 12 mm was added to		18 Nov
ь	the bar pattern of CHA147	W.C. Leung	2016
D	The bar sizes of 10, 16, 20, 25 & 32 mm		09 Nov
	were registered for new bar pattern of CHA147	S.W. Tam	2016
С	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		12 Oct
	were registered for new bar pattern of CHA146	S.W. Tam	2019 07 Apr 2017 07 Apr 2017 08 Mar 2017 27 Feb 2017 18 Nov 2016 09 Nov 2016
В	The bar sizes of 10, 12, 16, 20, 25 & 32 mm		28 Sep
<u> </u>	were registered for new bar pattern of CHA145	S.W. Tam	2016
Α	The bar sizes of 10, 12, 16, 20, 25 & 32 mm		28 Sep
11	were registered for new bar pattern of CHA144	S.W. Tam	2016
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

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SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/CHA/18



(CHA152)

Guangdong Huamei Baohua New Material Development Co., Ltd.



(CHA153)

Tangshan Donghua Steel Enterprise Group Co., Ltd.

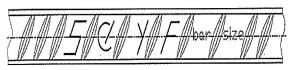
(●) mark /marks may be found on the same side of the bar at randam



(CHA154)

Tangshan Donghua Steel Enterprise Group Co., Ltd.

(●) mark /marks may be found on the same side of the bar at randam



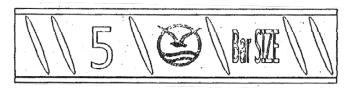
(CHA155)

Shandong Laigang Yongfeng Steel Corp.



(CHA156)

Shandong Laigang Yongfeng Steel Corp.



(CHA157)

Fangda Special Steel Technology Co., Ltd.



(CHA158)

Jiangsu Province Binxin Steel Group Co., Ltd.

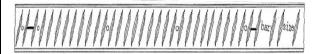
the bar pattern of CHA152 The bar sizes of 16 & 25mm were added to the bar pattern of CHA158 W.C. Leung The bar sizes of 12, 20 & 32mm were registered for new bar pattern of CHA158 W.C. Leung The bar sizes of 12, 16, 20, 25 & 32mm were registered for new bar pattern of CHA157 The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm were registered for new bar pattern of CHA156 The bar sizes of 50 mm was added to the bar pattern of CHA155 The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm	2022 20 Sep 2021 20 June 2018
The bar sizes of 12, 20 & 32mm were registered for new bar pattern of CHA158 The bar sizes of 12, 16, 20, 25 & 32mm were registered for new bar pattern of CHA157 W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm were registered for new bar pattern of CHA156 The bar sizes of 50 mm was added to the bar pattern of CHA155 The bar sizes of 10, 12, 16, 20, 25, 32, & 40 mm The bar sizes of 10, 12, 16, 20, 25, 32, & 40 mm	2021 20 June 2018
the bar pattern of CHA158 H The bar sizes of 12, 20 & 32mm were registered for new bar pattern of CHA158 W.C. Leung The bar sizes of 12, 16, 20, 25 & 32mm were registered for new bar pattern of CHA157 W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm were registered for new bar pattern of CHA156 The bar size of 50 mm was added to the bar pattern of CHA155 The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm	20 June 2018
H were registered for new bar pattern of CHA158 W.C. Leung G The bar sizes of 12, 16, 20, 25 & 32mm were registered for new bar pattern of CHA157 W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm were registered for new bar pattern of CHA156 W.C. Leung The bar size of 50 mm was added to the bar pattern of CHA155 W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm	2018
were registered for new bar pattern of CHA158 G The bar sizes of 12, 16, 20, 25 & 32mm were registered for new bar pattern of CHA157 W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm were registered for new bar pattern of CHA156 W.C. Leung The bar size of 50 mm was added to the bar pattern of CHA155 The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm	
were registered for new bar pattern of CHA157 W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm were registered for new bar pattern of CHA156 The bar size of 50 mm was added to the bar pattern of CHA155 W.C. Leung W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm	
were registered for new bar pattern of CHA157 W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50mm were registered for new bar pattern of CHA156 W.C. Leung The bar size of 50 mm was added to the bar pattern of CHA155 W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm	18 May
W.C. Leung The bar size of 50 mm was added to the bar pattern of CHA155 The bar sizes of 10, 12, 16, 20, 25, 32, & 40 mm	2018
were registered for new bar pattern of CHA156 E The bar size of 50 mm was added to the bar pattern of CHA155 W.C. Leung W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm	17 Apr
the bar pattern of CHA155 W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32, & 40 mm	2018
the bar pattern of CHA155 W.C. Leung The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm	09 Oct
The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm	2017
	28 Aug
were registered for new bar pattern of CHA155 W.C. Leung	2017
The bar sizes of 10, 12, 16, 20, 25 & 32 mm	08 May
were registered for new bar pattern of CHA154 W.C. Leung	20 Sep 2021 20 June 2018 18 May 2018 17 Apr 2018 09 Oct 2017 28 Aug 2017
The bar sizes of 10, 12, 16, 20, 25 & 32 mm	08 May
were registered for new bar pattern of CHA153 W.C. Leung	2017
The bar sizes of 10, 12, 16, 20, 25 & 32 mm	04 May
were registered for new bar pattern of CHA152 W.C. Leung	2017
Rev. Revision Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
Geotechnical Engineering Office

Public Works La		
SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/CHA/19



(CHA159)

Jingye Iron & Steel Co., Ltd.

() mark /marks may be found on the same side of the bar at randam



(CHA160)

Hebei Xinda Iron & Steel Group Co., Ltd.



(**()** mark /marks may be found on the same side of the bar at randam

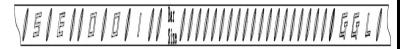
(CHA161)

Guangzhou Iron & Steel New Material Co., Ltd.



(CHA163)

Guangdong Zhongnan Iron & steel Co., Ltd.



6mm & 8mm



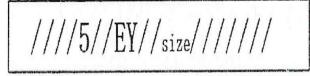
10mm, 12mm, 16mm, 20mm, 25mm, 32mm & 40mm



50mm

(CHA164)

Guangxi Iron & Steel Group Co., Ltd.



(CHA162)

Guangdong Gangyuan Metal Industry Co., Ltd.

J	The bar size of 50mm were added to		17 Feb
J	the bar pattern of CHA164	H.L.LI	2023
l ,	Coil of size 10mm was registered for		03 Nov
1	bar pattern of CHA163	W.C. Leung	2022
Н	Coil of sizes 6, 8, 10 & 12 mm were registered		21 Oct
11	for bar pattern of CHA164	W.C. Leung	2022
G	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm		21 Oct
,	were registered for new bar pattern of CHA164	W.C. Leung	2022
F	The bar sizes of 12, 16, 20, 25, 32 & 40mm		02 Sep
1	were registered for new bar pattern of CHA163	W.C. Leung	2022
Е	The bar sizes of 10, 12 & 16mm		05 Aug
L	were registered for new bar pattern of CHA162	W.C. Leung	2022
D	The bar sizes of 10, 12, 16, 20, 25, 32 & 40mm		21 Sep
D	were registered for new bar pattern of CHA161	W.C. Leung	2021
С	The bar sizes of 16 & 25mm were added to		12 Mar
	the bar pattern of CHA159	W.C. Leung	2022 21 Oct 2022 21 Oct 2022 02 Sep 2022 05 Aug 2022 21 Sep 2021
В	The bar sizes of 12, 16, 20, 25, 32 & 40mm		26 Jan
	were registered for new bar pattern of CHA160	W.C. Leung	2021
A	The bar sizes of 10, 12, 20, 32 & 40mm		01 Apr
А	were registered for new bar pattern of CHA159	W.C. Leung	2019
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

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Geotechnical Engineering Office

Public Works Laboratories

SCALE N.T.S. DRAWING NO.
DATE October 2024 PWL/CHA/20



6mm & 8mm



10mm, 12mm, 16mm, 20mm, 25mm, 32mm, 40mm & 50mm (CHA165)

Liuzhou Iron & Steel Company Limited



(CHA166)
Shandong Iron & Steel Group Yongfeng
Lingang Corporation



(CHA167) Rizhao Steel Holding Group Co., Ltd.



(CHA168)
Tongling City Xuanli Special Steel Co.,Ltd.

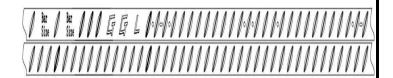


(CHA169) Zenith Steel Group (Nan Tong) Co., Ltd. 14/E/7/4/2/S/Y/bar/size/

(CHA170) Guangdong Shengye Steel Company Ltd.

XISC 5017 Size M

(CHA171) Yangchun New Iron & Steel Co., Ltd.



(CHA172) Guangxi Iron & Steel Group Co., Ltd.

CIVIL ENCINEEDING AND DEVELOPMENT DEPARTMENT				
Rev.	Revision	Signature	Date	
11	were registered for new bar pattern of CHA165	W.C. Leung	2022	
A	The bar sizes of 12, 16, 20, 25, 32, 40 & 50mm		16 Nov	
Ď	for bar pattern of CHA165	W.C. Leung	2022	
В	Coil of sizes 6, 8, 10 & 12 mm were registered		16 Nov	
C	pattern of CHA166	H.L. LI	2023	
C	The bar size 50mm were registered for new bar		17 Feb	
D	The bar size 25mm were registered for new bar pattern of CHA167	H.L. LI	7 Mar 2023	
	registered for new bar pattern of CHA168	H.L. LI	2023	
E	The bar size of 10, 12, 16, 20, 25 & 32mm were		14 Jun	
	registered for new bar pattern of CHA169	H.L. LI	2023	
F	The bar size of 10, 12, 16, 20, 25, 32 & 40mm were		25 Aug	
Ü	for new bar pattern of CHA170	H.L. LI	2024	
G	The bar size of 12, 16, 20 & 25mm were registered		7 Feb	
Н	Coil of sizes 6, 8, 10 & 12 mm and the bar size of 12, 16, 20, 25, 32, 40 & 50mm were registered for new bar pattern of CHA171	H.L. LI	26 Jun 2024	
		H.L. LI	2024	
I	The bar size of 10, 12, 16, 20, 25, 32 & 40mm were registered for new bar pattern of CHA172	H.L. LI	29 JUL 2024	
	CHA172	H.L. LI	2024	
J	The bar size of 50mm were added to for bar pattern of		12 Sep	

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
Geotechnical Engineering Office
Public Works Laboratories

SCALE N.T.S. DRAWING NO.
DATE October 2024 PWL/CHA/21



(CHA173)

Guangdong Huamei Baohua New Material Development Co., Ltd.

A	The bar sizes of 12, 16, 20, 25, 32 & 40mm		20 Aug
	were registered for new bar pattern of CHA173	H.L. LI	2024
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 CHA - CHINA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
Geotechnical Engineering Office
Public Works Laboratories

SCALE

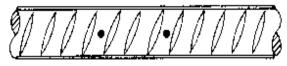
N.T.S.

DRAWING NO.

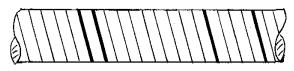
PWL/CHA/22

October 2024

DATE



(CZHI) Nova Hut A.S., Ostrava



(CZH2) Trinecke Zelezarny, A.S.



(CZH3) Nova Hut A.S., Ostrava

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
CZH - CZECHOSLOVAKIA
(Remark: Steel bars were registered to CS2 unless

(Remark: Steel bars were registered to CS2 unless otherwise stated)

Rev.	Revision	Signature	Date
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories			
SCAl	LE N.T.S.	DRAWIN	G NO.
DAT	E October 2024	PWL/CZH	/1

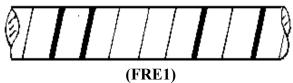


(EGT1)

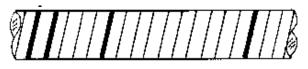
Alexandria National Iron & Steel Co., S.A.E.

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
EGT - EGYPT
(Remark: Steel bars were registered to CS2 unless
otherwise stated)

Rev.	Revision	Signature	Date			
	CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT					
Geote	Geotechnical Engineering Office					
Public	Public Works Laboratories					
SCA.	LE N.T.S.	DRAWING	G NO.			
DAT	F October 2024	DWI /FGT/	/1			



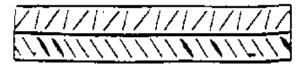
Acieries Et Laminoirs De Parts



(FRE2) Iton - Seine S.A.

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
FRE - FRANCE
(Remark: Steel bars were registered to CS2 unless
otherwise stated)

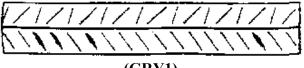
Rev.	Revision	Signature	Date				
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories							
SCA	LE N.T.S.	DRAWIN	G NO.				
DAT	E October 2024	PWL/FRE/	1				



(GRE1)
Sidenor Steel Products Manufacturing
Co., S.A.

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
GRE - GREECE
(Remark: Steel bars were registered to CS2 unless
otherwise stated)

R	ev.	Revision	Signature	Date
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories				
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D.	AT]	E October 2024	PWL/GRE/	/1



(GRY1)

Hennigsdorfer Elektrostahlwerke GmbH



(GRY2)

Brandenburger Elktrostahlwerke GmbH



(GRY3)

Badische Stahwerke GmbH

A	New Bar Pattern GRY3	Y.M. NG	10/04
Rev.	Revision	Signature	Date

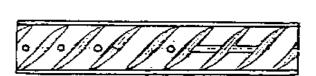
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 GRY - GERMANY

(Remark: Steel bars were registered to CS2 unless otherwise stated)

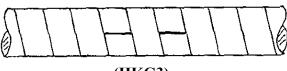
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SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/GRY/1



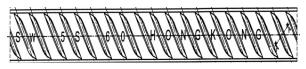
(HKG1) Shiu Wing Steel Ltd.



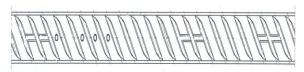
(HKG2) Shiu Wing Steel Ltd.



(HKG3) Shiu Wing Steel Ltd.



(HKG4) Shiu Wing Steel Ltd.



(HKG5) Shiu Wing Steel Ltd.



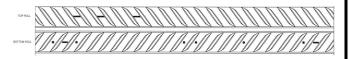
(HKG6) Shiu Wing Steel Ltd.



(HKG7) Shiu Wing Steel Ltd.



(HKG8) Shiu Wing Steel Ltd.



(HKG9) Shiu Wing Steel Ltd.

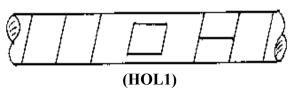
F	The bar sizes of 10, 12, 16, 20, 25, 32, 40 and		16 Jan
Г	50 mm were registered for new bar pattern HKG9	H.L.LI	2024
Е	The bar sizes of 10, 12, 16, 20, 25, 32, 40 and		7 Jun.
ь	50 mm were registered for new bar pattern HKG8	Y.W.Yim	2013
D	The bar size of 25 mm was registered for new		7 Jun.
Ъ	bar pattern HKG7	Y.W.Yim	2013
С	The bar sizes of 10, 12, 16, 20, 25, 32, 40 and		24 Jan.
	50 mm were registered for new bar pattern HKG6	Y.W.Yim	2013
В	The bar sizes of 50 mm was registered		29 Oct.
	for new bar pattern of HKG5	C.T.Kwok	2007
A	New bar pattern, HKG4		19 Jan
A		K.W.YAM	2005
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 HKG - HONG KONG

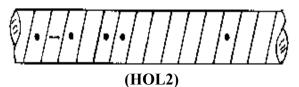
(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT	
Geotechnical Engineering Office	
Public Works Laboratories	

I ubite Works Et	iboratories	
SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/HKG/1



Hoogovens Staal Lange Produkten



Hoogovens Staal Lange Produkten

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
HOL - HOLLAND
(Remark: Steel bars were registered to CS2 unless
otherwise stated)

Rev.	Revision	Signature	Date	
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories				
SCALE	N.T.S.	DRAWIN	G NO.	
DATE	October 2024	PWI /HOI	/1	



(IND1)
Pt. The Master Steel Mfg. Co.



(IND6) PT. Putra Baja Deli



(IND2) Pt. Jakarta Cakratunggal Steel Mills



(IND7) PT. TUNGGAL JAYA STEEL

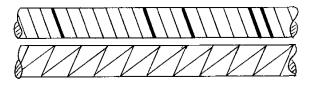


(IND3)
Pt. Budidharma Jakarta Steel Melting and
Rolling Mills



(●) mark / marks may be found on the same / opposite side of the bar at random (IND8)

PT. TUNGGAL JAYA STEEL



(IND4)
Pt. Pulogadung Steel Mfg. Co., Ltd.



(IND9) PT Dexin Steel Indonesia



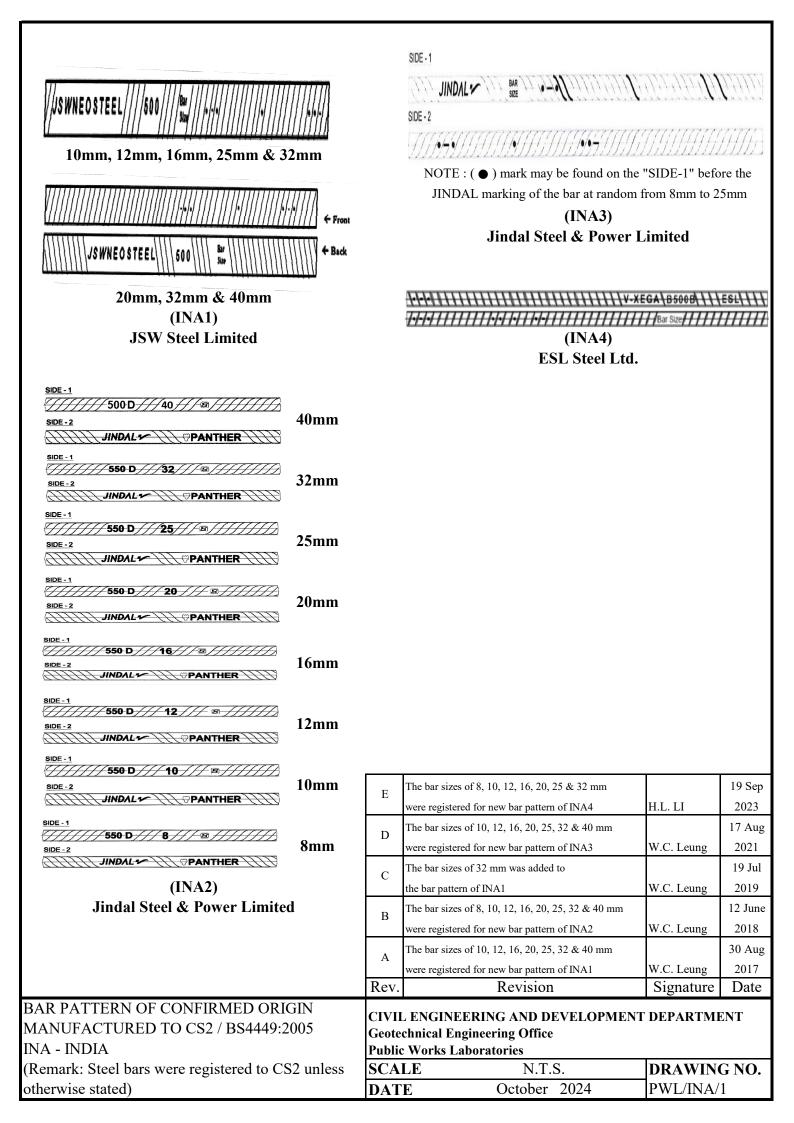
(IND5) Pt. Budidharma Jakarta

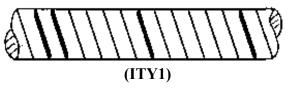
D	The bar sizes of 12, 16, 20, 25, 32 & 40 mm		20 Jan
	were registered for new bar pattern of IND9	H.L. LI	2023
С	The bar sizes of 10 & 12 mm		17 Mar
	were registered for new bar pattern of IND8	W.C. Leung	2022
В	The bar sizes of 16 & 20 mm		17 Mar
Б	were registered for new bar pattern of IND7	W.C. Leung	2022
Α	The bar sizes of 10, 12, 16, 20, 25 & 32 mm		03 June
A	were registered for new bar pattern of IND6	W.C. Leung	2021
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 IND - INDONESIA

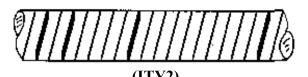
(Remark: Steel bars were registered to CS2 unless otherwise stated)

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/IND/1

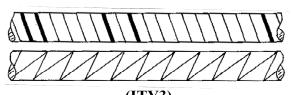




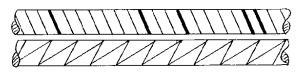
Feralpi Siderurgica SPA (Holding Company)



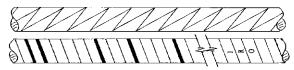
Officine e Fonderie Galtarossa



(ITY3) Ferriera Valsabbia SPA



(ITY4) Alfa Acciai SPA



* "IRO" mark found with unfixed position along the bar **(ITY5)**

Industrie Riunite Odolesi IRO Spa

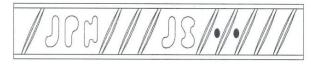
BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
ITY - ITALY
(Remark: Steel bars were registered to CS2 unless

(Remark: Steel bars were registered to CS2 unless	
otherwise stated)	

	Rev.	Revision	Signature	Date	
-	CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories				
	SCA1	LE N.T.S.	DRAWING	G NO.	
	DAT	E October 2024	PWL/ITY/	1	



(JPN1)
Daiwa Steel Corporation



(JPN7)
Jonan Steel Corporation



Kyoei Steel Ltd.



(JPN8) Sanko Seiko Co., Ltd.



(JPN3) Kyoei Steel Ltd.



(JPN9) SANKO SEIKO CO., LTD.

(•) mark / marks may be found on the same / opposite side of the bar at random



(JPN4) Shimizu Steel Company Ltd.



(JPN5) Shimizu Steel Company Ltd.



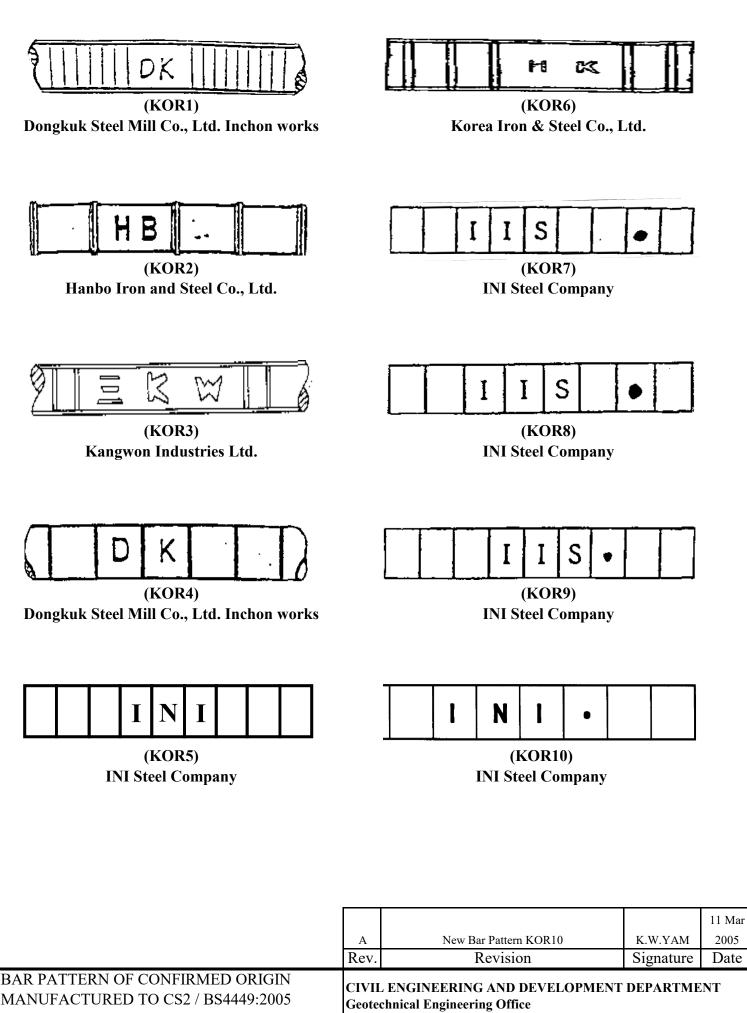
(JPN6) Chiyoda Steel Company Ltd.

I	The bar sizes of 10, 12, 16, 20 & 25 mm were		10 June
1	registered for new bar pattern of JPN9	W.C. Leung	2022
Н	The bar sizes of 10,12 & 16 mm were		2 Aug
11	registered for new bar pattern of JPN8	Y.W.Yim	2010
G	The bar sizes of 10,12 & 16 mm were		23 Jun
U	registered for new bar pattern of JPN7	C.T.Kwok	2009
F	The bar sizes of 10,12 & 16 mm were		29 Dec
1	registered for new bar pattern of JPN6	C.T.Kwok	2008
Е	The bar sizes of 10,16, 25 & 32 mm were		10 Oct
L	registered for new bar pattern of JPN5	C.T.Kwok	2008
D	The bar sizes of 10 mm was		21 Jan
D	registered for bar pattern of JPN2	C.T.Kwok	2008
С	Bar Pattern JPN4 has been updated	C.T.Kwok	09/07
В	New Bar Pattern JPN4	T.Y. CHEUNG	09/06
A	New Bar Pattern JPN3	Y.M. NG	04/04
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 JPN - JAPAN

(Remark: Steel bars were registered to CS2 unless otherwise stated)

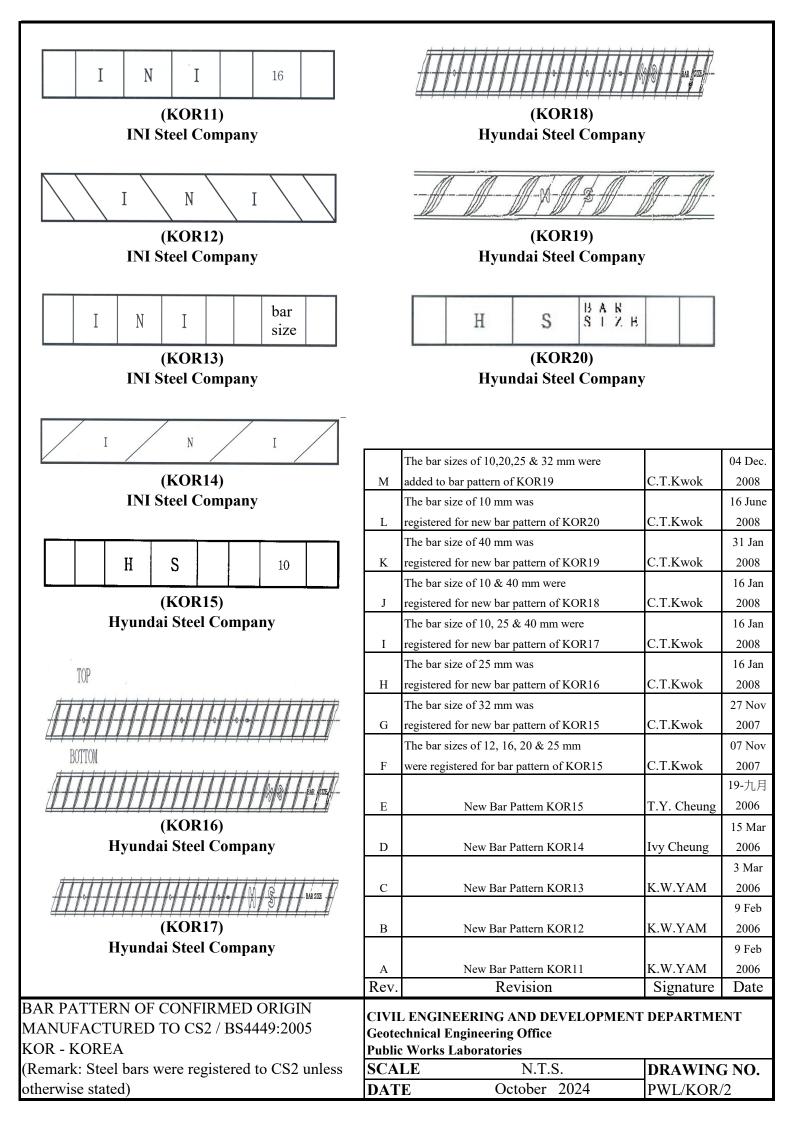
SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/JPN/1

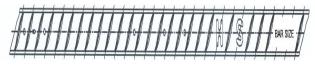


KOR - KOREA (Remark: Steel bars were registered to CS2 unless otherwise stated)

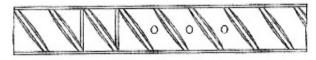
Public Works Laboratories

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/KOR/1

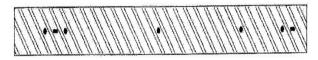




(KOR21) Hyundai Steel Company



(KOR23) Daehan Steel Co., Ltd.



(KOR24) Daehan Steel Co., Ltd.

	Coil of sizes 12mm was added		13 June
N	to bar pattern of KOR24	W.C. Leung	2019
	Coil / decoiled bar of sizes 12 mm was added to		13 June
M	bar pattern of KOR24 to BS4449:2005	W.C. Leung	2019
	Coil of sizes 10 & 16mm were registered		15 Jan
L	for bar pattern of KOR24	W.C. Leung	2019
	Coil / decoiled bar of sizes 10 mm was added to		15 Jan
K	bar pattern of KOR24 to BS4449:2005	W.C. Leung	2019
	Coil of sizes 10mm was registered		14 Jan
J	for bar pattern of KOR23	W.C. Leung	2019
	Coil / decoiled bar of sizes 16 mm was registered		07 Dec
I	for new bar pattern KOR24 to BS4449:2005	W.C. Leung	2018
	Coil / decoiled bar of sizes 12 mm was added to		17 Aug
Н	bar pattern of KOR23 to BS4449:2005	W.C. Leung	2018
	Coil / decoiled bar of sizes 10 & 16 mm were registered		23 Apr
G	for new bar pattern KOR23 to BS4449:2005	W.C. Leung	2018
	The bar sizes of 10 mm was added		31 Mar
F	to bar pattern of KOR21	C.T.Kwok	2009
	The bar sizes of 32 mm was added		12 Feb
Е	to bar pattern of KOR21	C.T.Kwok	2009
	The bar sizes of 12 & 16 mm were added		4 Feb
D	to bar pattern of KOR19	C.T.Kwok	2009
	The bar sizes of 20 mm was added		12 Jan
С	to bar pattern of KOR21	C.T.Kwok	2009
	The bar sizes of 25 mm was added		23 Dec
В	to bar pattern of KOR21	C.T.Kwok	2008
	The bar sizes of 12,16 & 40 mm were		04 Dec
A	registered for new bar pattern of KOR21	C.T.Kwok	2008
Rev.	Revision	Signature	Date

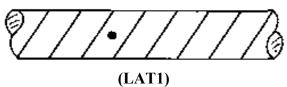
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 KOR - KOREA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

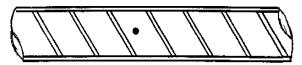
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office

Public Works Laboratories

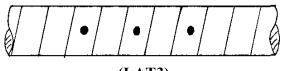
SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/KOR/3



(LATI) Liepajas Metalurgs



(LAT2) Liepajas Metalurgs



(LAT3) Liepajas Metalurgs



(LAT4) Liepajas Metalurgs

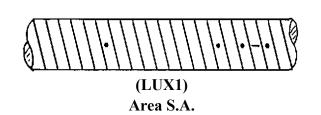


(LAT5) Liepajas Metalurgs

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
LAT - LATVIA
(D 1 0) 11 ' 1, CC2 1

(Remark: Steel bars v	were registered to CS2 unless
otherwise stated)	

Rev.	Revision	Signature	Date	
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories				
SCA	LE N.T.S.	DRAWING	G NO.	
DAT	E October 2024	PWL/LAT/	' 1	



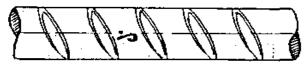
BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
LUX - LUXEMBERG
(Remark: Steel hars were registered to CS2 unl

(Remark: Steel bars were registered to CS2 unless otherwise stated)

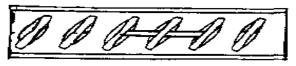
Rev.	Revision	Signature	Date			
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories						
SCAl	LE N.T.S.	DRAWING	G NO.			
DAT	E October 2024	PWL/LUX	/1			



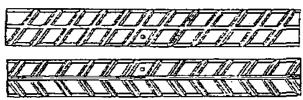
(MAL1) Amsteel Mills SDN BHD



(MAL6) Perwaja Steel SDN BHD



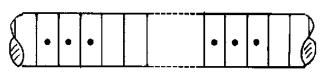
(MAL2) Amsteel Mills SDN BHD



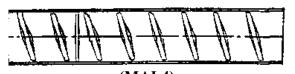
(MAL7) Amsteel Mills SDN BHD



(MAL3) Antara Steel Mills SDN BHD



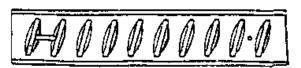
(MAL8) Malayawata Steel Berhad



(MAL4) Southern Steel Berhad



(MAL9) Malayawata Steel Berhad



(MAL5) Amsteel Mills SDN BHD



(MAL10) Southern Steel Berhad

			11 Apr
В	New Bar Pattern, MAL10	K.W.Yam	2005
			17 Jan
A	New Bar Pattern, MAL9	K.W.Yam	2005
Rev.	Revision	Signature	Date

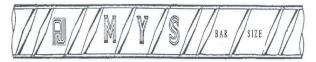
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 MAL - MALAYSIA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office

Public Works Laboratories

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/MAL/1



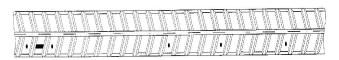
(MAL11) Ann Joo Steel Berhad (Prai Plant)



(MAL17)
Amsteel Mills SDN BHD (Klang)



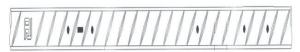
(MAL12) Ann Joo Steel Berhad (Shah Alam Plant)



(MAL18)
Amsteel Mills SDN BHD (Banting Operation)

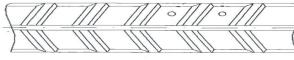


(MAL13) Ann Joo Steel Berhad (Prai Plant)



(MAL14) Ann Joo Steel Berhad (Shah Alam Plant)





Side View (MAL15) Amsteel Mills SDN BHD



(MAL16) Amsteel Mills SDN BHD (Klang)

I	pattern of MAL18	Y.W.Yim	2010
	The bar sizes of 10,12,16,20,25,32 & 40 mm		29 July
Н	were registered for bar pattern of MAL17	C.T.Kwok	2009
	The bar sizes of 10,12,16,20,25,32 & 40 mm		29 July
G	were registered for bar pattern of MAL16	C.T.Kwok	2009
	The bar sizes of 10,12 & 16 mm		5 May
F	were registered for bar pattern of MAL15	C.T.Kwok	2009
	The additional bar size of 40 mm was		10 June
Е	registered for bar pattern of MAL14	C.T.Kwok	2008
	The bar sizes of 16, 20, 25, & 32 mm		09 Apr.
D	were registered for bar pattern of MAL14	C.T.Kwok	2008
	The bar sizes of 10,12,16, 20, & 25 mm		09 Apr.
C	were registered for bar pattern of MAL13	C.T.Kwok	2008
	The bar sizes of 16, 20, 25, 32 & 40 mm		23 Oct.
В	were registered for bar pattern of MAL12	C.T.Kwok	2007
	The bar sizes of 10, 12, 16 & 25 mm		23 Oct.
A	were registered for bar pattern of MAL11	C.T.Kwok	2007
Rev.	Revision	Signature	Date

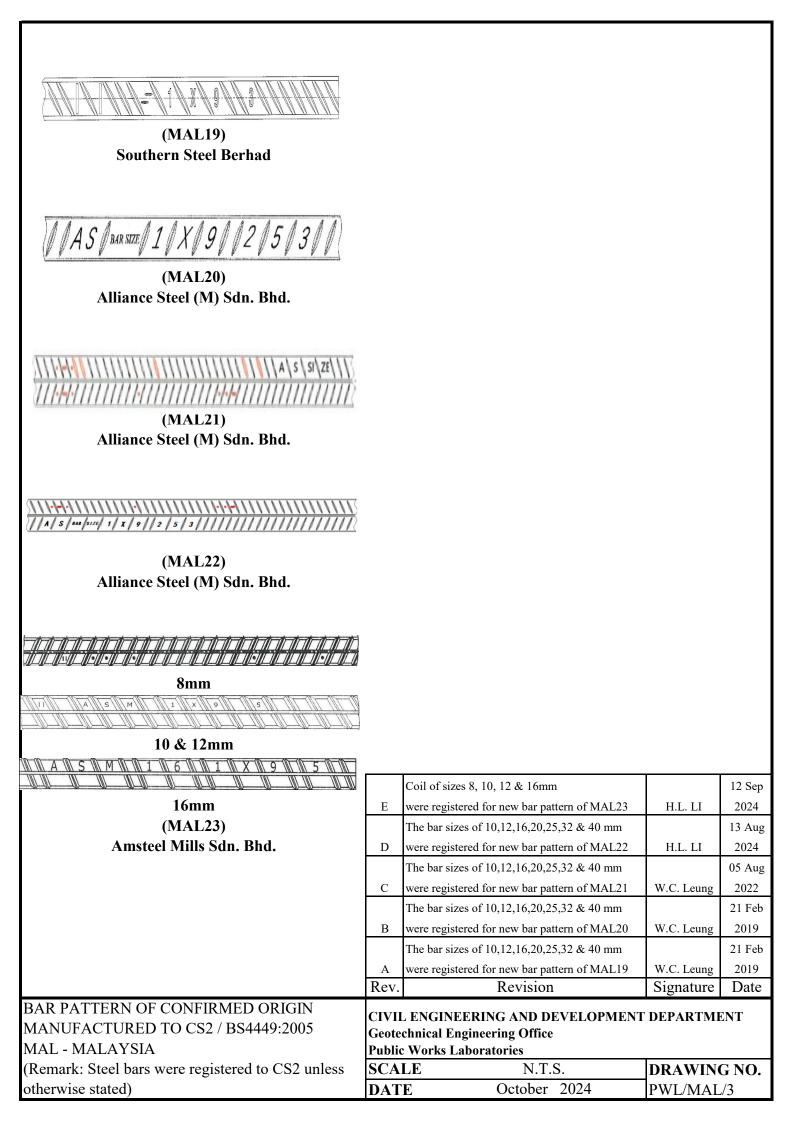
18 Aug

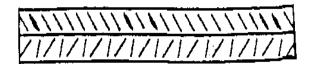
The bar sizes of 12 mm was registered for bar

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 MAL - MALAYSIA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/MAL/2

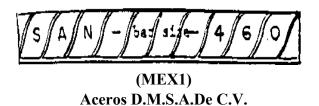




(MDA1) Moldova Metulurgical Plant

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
MDA - MOLDOVA
(Remark: Steel bars were registered to CS2 unless
otherwise stated)

Rev.	Revision	Signature Date				
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories						
SCA	LE N.T.S.	DRAWING NO.				
DAT	E October 2024	PWL/MDA/1				



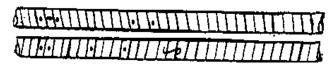


(MEX6)

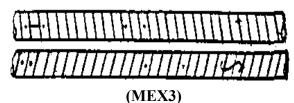
Siderurgica Lazaro Cardenas-Las Truchas S.A.



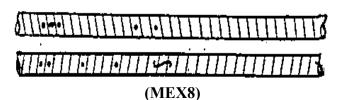
(MEX2) Siderurgica Lazaro Cardenas-Las Truchas S.A.



(MEX7) Siderurgica Lazaro Cardenas-Las Truchas S.A.



Siderurgica Lazaro Cardenas-Las Truchas S.A.



Siderurgica Lazaro Cardenas-Las Truchas S.A.



Siderurgica Lazaro Cardenas-Las Truchas S.A.



Siderurgica Lazaro Cardenas-Las Truchas S.A.



Siderurgica Lazaro Cardenas-Las Truchas S.A.

	Rev.	Revision	Signature	Date
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 MEX - MEXICO	CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories			
(Remark: Steel bars were registered to CS2 unless	SCA	LE N.T.S.	DRAWIN	G NO.
otherwise stated)	DAT	E October 2024	PWL/MEX	ζ/1



(NOR1) Fundia Bygg A.S.Mo I Rana



(NOR2) Fundia Bygg A.S.Mo I Rana



(NOR3) Fundia Bygg A.S.Mo I Rana

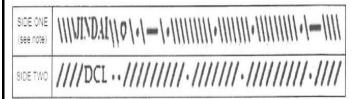
BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
NOR - NORWAY
(Domark, Staal hara xxara ragistared to CS2 unlas

(Remark: Steel bars were registered to CS2 unless otherwise stated)

Rev.	Revision	Signature Date				
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office						
Public Works Laboratories						
SCALE	N.T.S.	DRAWING NO.				
DATE	October 2024	PWL/NOR/1				

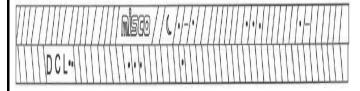


(OMN1)
Jindal Shadeed Iron and Steel LLC



Note: (•) mark may be found on the "SIDE ONE" before the JINDAL marking of the bar at random from 8mm to 20mm.

(OMN2)
Jindal Shadeed Iron and Steel LLC



(OMN3) Moon Iron & Steel Co. S.A.O.C

(OMN4) Sohar Steel L.L.C.

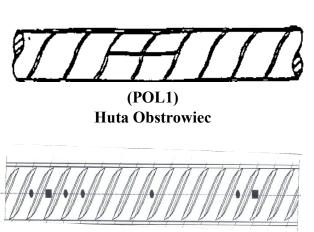
 $(\bullet \bullet \bullet), (\bullet \bullet)$, (\bullet) mark /marks may be found on the same side of the bar at random from $\Phi 8\text{-}16\text{mm}$

	The bar sizes of 10, 12, 16, 20, 25 & 32 mm		30 Nov
D	were registered for new bar pattern of OMN4	H.L.LI	2023
	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40 mm		30 Sep
C	were registered for new bar pattern of OMN3	W.C. Leung	2021
	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40 mm		06 Nov
В	were registered for new bar pattern of OMN2	W.C. Leung	2020
	The bar sizes of 8, 10, 12, 16, 20, 25, 32 & 40 mm		06 Feb
A	were registered for new bar pattern of OMN1	W.C. Leung	2018
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 OMN - OMAN

(Remark: Steel bars were registered to CS2 unless otherwise stated)

SCALE	N.T.S.	DRAWING NO.	
DATE	October 2024	PWL/OMN/1	



(POL2) CMC Zawiercie S.A.

	The bar sizes of 10,12,25 & 32 mm		19 Nov.
A	were registered for bar pattern of POL2	C.T.Kwok	2009
Rev.	Revision	Signature	Date

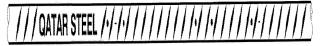
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 POL - POLAND

(Remark: Steel bars were registered to CS2 unless otherwise stated)

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/POL/1



(QTR1) Qatar Steel Co. Ltd.



(QTR2) Qatar Steel Company



(•) mark may be found on the opposite side of the bar at random

(QTR3)

Qatar Steel Company (Q.P.S.C)

В	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		28 Sep
	were registered for new bar pattern of QTR3	W.C. Leung	2018
A	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		14 Sep
	were registered for new bar pattern of QTR2	W.C. Leung	2017
Rev.	Revision	Signature	Date

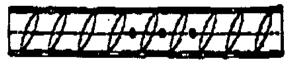
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 QTR - QATAR

(Remark: Steel bars were registered to CS2 unless otherwise stated)

SCALE	N.T.S.	DRAWING NO.	
DATE	October 2024	PWL/QTR/1	



(ROB1)
Republican Unitary Enterprise
《Byelorussian SteelWorks》



(ROB2)
Republican Unitary Enterprise
《Byelorussian SteelWorks》



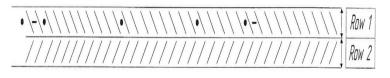
(ROB3)
Republican Unitary Enterprise
《Byelorussian SteelWorks》

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
ROB - REPUBLIC OF BELARUS
(Remark: Steel bars were registered to CS2 unless
otherwise stated)

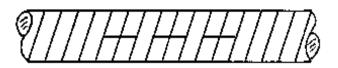
Rev.	Revision	Signature	Date	
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories				
SCA	LE N.T.S.	DRAWIN	G NO.	
DAT	E October 2024	PWL/ROB	3/1	



(RUS3)
JSC Severstal



(RUS7) Abinsk Electric Steel Works, Ltd.



(RUS4)
JSC Amurmetal



Small Circle designation of the line in production by slitting (in two rolling lines) may be found on the opposite side of the bar at random (RUS8)

AO Steel Works Balakovo



(RUS5)
JSC "EVRAZ Consolidated West Siberian
Metallurgical Plant"



(RUS6)
JSC "EVRAZ Consolidated West Siberian
Metallurgical Plant"

F	The bar sizes of 10, 12, 16, 20, 25 & 32 mm	W.C. Leung	09 Aug
1	were registered for new bar pattern of RUS8		2021
Е	The bar size of 40 mm was added to	W.C. Leung	03 July
L	the bar pattern of RUS7		2020
D	The bar sizes of 10, 12, 16, 20, 25 & 32 mm	W.C. Leung	19 Feb
D	were registered for new bar pattern of RUS7		2020
	The bar sizes of 10, 12, 16, 20, 25, 32,	S.W. Tam	13 Jan
C	40 & 50 mm were registered for		2015
	new bar pattern of RUS6		
	The bar sizes of 10, 12, 16, 20, 25, 32,	W.C. Lee	8 July
В	40 & 50 mm were registered for		2014
	new bar pattern of RUS5		
A	Bar pattern RUS1 and RUS2 have	W.C. Lee	8 July
A	been withdrawn by customer		2014
Rev.	Revision	Signature	Date

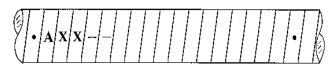
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 RUS - RUSSIA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

SCALE	N.T.S.	DRAWING NO.	
DATE	October 2024	PWL/RUS/1	



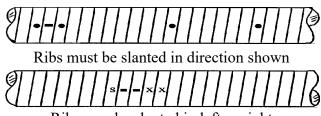
(SAF1) Scaw Metals



(SAF6)
Cape Gate(PTY) Limited



(SAF2)
ISCOR Ltd. Newcastle Work



Ribs may be slanted in left or right (SAF7)
Scaw Metals



(SAF3)
ISCOR Ltd. Newcastle Work



(SAF8)
Cape Town Iron and Steel Works (Pty) Limited



(SAF4) Cape Gate(PTY) Limited

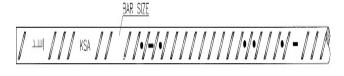


(SAF5) Scaw Metals

	Rev.	Revision	Signature	Date	
BAR PATTERN OF CONFIRMED ORIGIN	CIVII	L ENGINEERING AND DEVELOPMENT	DEPARTMI	TNT	
		Geotechnical Engineering Office			
		: Works Laboratories			
(Remark: Steel bars were registered to CS2 unless	SCA	LE N.T.S.	DRAWIN	G NO.	
otherwise stated)	DAT	E October 2024	PWL/SAF/	1	

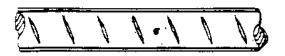


(SDA1)
Saudi Iron and Steel Company (HADEED)

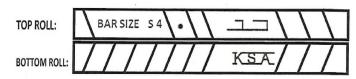


(●) mark /marks may be found on the opposite side of the bar at random (SDA6)

Al-Ittefaq Steel Products Company

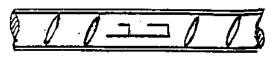


(SDA2)
Saudi Iron and Steel Company (HADEED)



(●) mark /marks may be found on the bottom roll of the bar at random

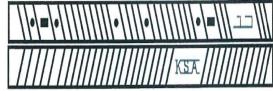
(SDA7)
Saudi Iron and Steel Company (HADEED)



(SDA3)

Saudi Iron and Steel Company (HADEED)

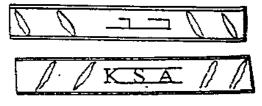




(SDA8)

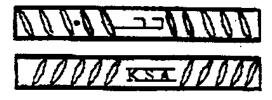
(●) mark /marks may be found on the bottom roll of the bar at random

Saudi Iron and Steel Company (HADEED)



(SDA4)

Saudi Iron and Steel Company (HADEED)



(SDA5)

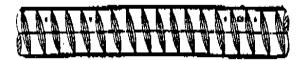
Saudi Iron and Steel Company (HADEED)

С	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		03 May
	were registered for new bar pattern of SDA8	W.C. Leung	2022
В	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		30 June
ь	were registered for new bar pattern of SDA7	W.C. Leung	2021
A	The bar sizes of 10, 12, 16, 20, 25, 32, 40 & 50 mm		18 Jan
A	were registered for new bar pattern of SDA6	W.C. Leung	2018
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 SDA - SAUDI ARABIA

(Remark: Steel bars were registered to CS2 unless otherwise stated)

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/SDA/1

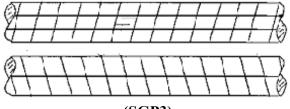


(SGP1) Natsteel Ltd.

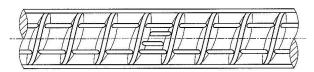


Distance between two (•) marks approximate 26~92 ribs and 450~1200mm c/c (SGP2)

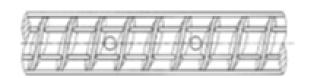
Natsteel Ltd.



(SGP3) Natsteel Ltd.



(SGP4) NatSteel Holdings Pte. Ltd.



(SGP5)
NatSteel Holdings Pte. Ltd.

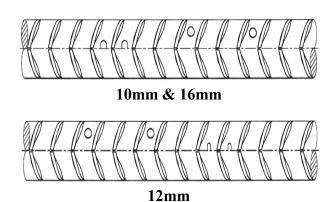
	The bar sizes of 10,12,16 & 20mm		06 Dec
В	were registered for bar pattern of SGP5	Y.W.Yim	2010
	The bar sizes of 25, 32. 40 & 50mm		06 Dec
A	were registered for bar pattern of SGP4	Y.W.Yim	2010
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 SGP - SINGAPORE

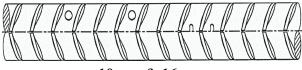
(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
Geotechnical Engineering Office

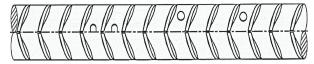
SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/SGP/1



(SGP6)
NatSteel Holdings Pte. Ltd.



10mm & 16mm



12_{mm}

(SGP7)
NatSteel Holdings Pte. Ltd.



(SGP8)
NatSteel Holdings Pte. Ltd.

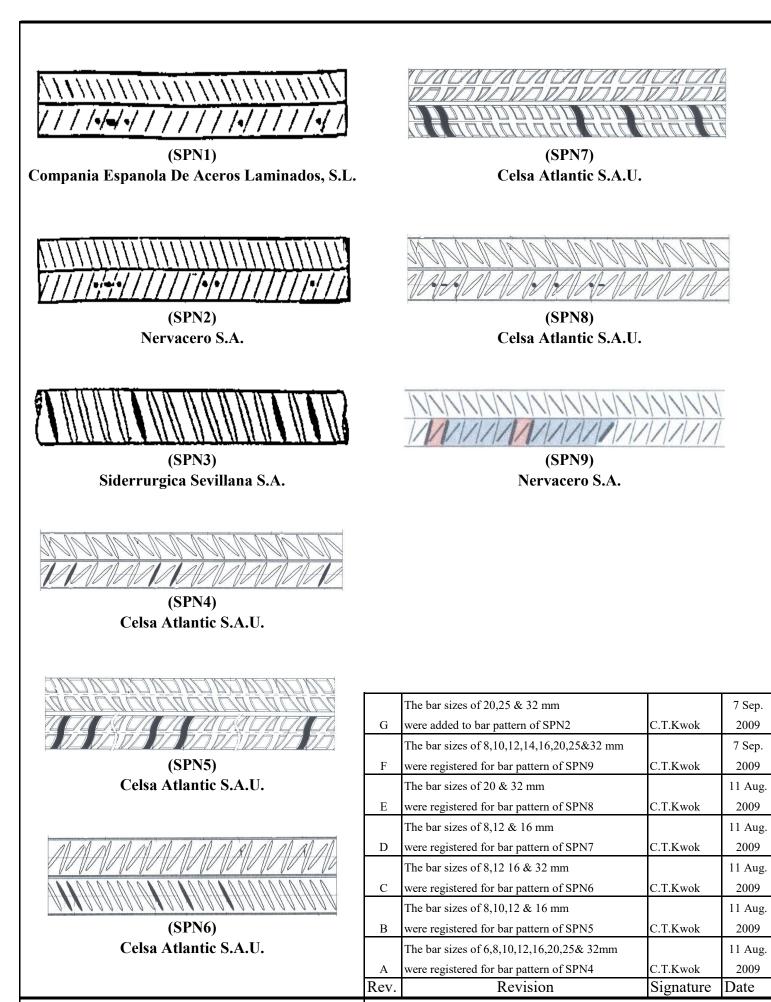
	The bar sizes of 10, 12, 16, 20, 25, 32 & 40 mm		16 Sep
Е	were registered for new bar pattern of SGP8	W.C. Leung	2020
	Coil of sizes 10, 12 & 16mm were registered		26 Aug
D	for bar pattern of SGP7	W.C. Leung	2020
	Coil of sizes 10, 12 & 16mm were registered		26 Aug
C	for bar pattern of SGP6	W.C. Leung	2020
	Coil / decoiled bar of sizes 10, 12 & 16 mm were		05 Apr
В	registered for new bar pattern SGP7 to BS4449:2005	W.C. Leung	2017
	Coil / decoiled bar of sizes 10, 12 & 16 mm were		14 Feb
A	registered for new bar pattern SGP6 to BS4449:2005	W.C. Leung	2017
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 SGP - SINGAPORE

(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
Geotechnical Engineering Office

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/SGP/2



DATE

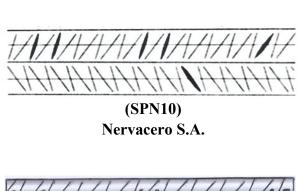
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 SPN - SPAIN

(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
Geotechnical Engineering Office
Public Works Laboratories
SCALE
N.T.S.
DRAWING NO.

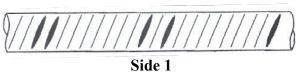
PWL/SPN/1

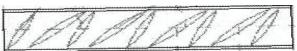
October 2024



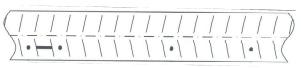


(SPN11) Nervacero S.A.

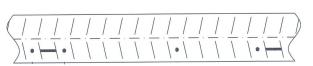




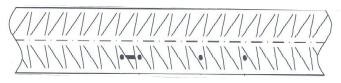
Side 2 (SPN12) Nervacero S.A.



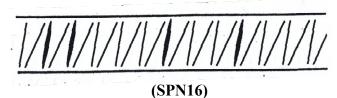
(SPN13) Compania Espanola de Laminacion, S.L.-CELSA



(SPN14) Compania Espanola de Laminacion, S.L.-CELSA



(SPN15) Compania Espanola de Laminacion, S.L.-CELSA



Compania Espanola de Laminacion, S.L.-CELSA

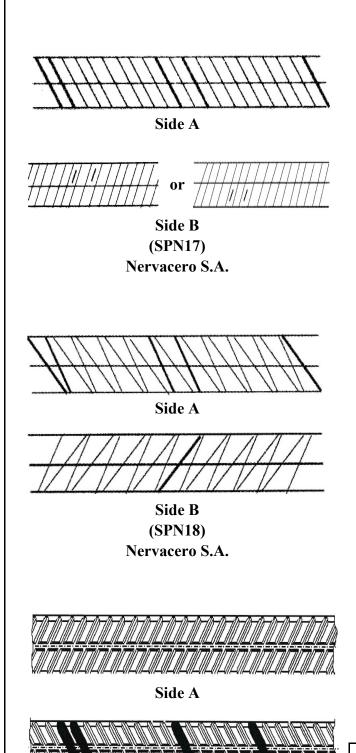
	The bar sizes of 8,10,12,16,20,25 & 32 mm		10 Dec.
G	were registered for bar pattern of SPN16	C.T.Kwok	2009
	The bar sizes of 8,16,20, 25 & 32 mm		10 Dec.
F	were registered for bar pattern of SPN15	C.T.Kwok	2009
	The bar sizes of 25 & 32 mm		10 Dec.
Е	were registered for bar pattern of SPN14	C.T.Kwok	2009
	The bar sizes of 8,10,12,16,20 & 25 mm		10 Dec.
D	were registered for bar pattern of SPN13	C.T.Kwok	2009
	The bar sizes of 8,10,12,16,20,25 & 32 mm		7 Sep.
C	were registered for bar pattern of SPN12	C.T.Kwok	2009
	The bar sizes of 8,10,12,16 & 25 mm		7 Sep.
В	were registered for bar pattern of SPN11	C.T.Kwok	2009
	The bar sizes of 8,10,12,16 & 20 mm		7 Sep.
A	were registered for bar pattern of SPN10	C.T.Kwok	2009
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 SPN - SPAIN

(Remark: Steel bars were registered to CS2 unless otherwise stated)

CCATE	N. T. C	
Public Works Lab	oratories	
Geotechnical Engi	ineering Office	
CIVIL ENGINEE	RING AND DEVELOPM	MENT DEPARTMENT

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/SPN/2



Side B
(SPN19)
Compañía Española de Laminación, S.L.
(CELSA Barcelona)

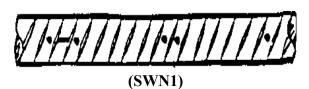
	Coil of sizes 8, 10, 12, 16 & 20mm were registered		03 July
Е	for bar pattern of SPN19	W.C. Leung	2020
	Coil of sizes 10 & 12mm were registered		15 March
D	for bar pattern of SPN18	W.C. Leung	2019
	Coil of sizes 10, 12 & 16mm were registered		15 March
С	for bar pattern of SPN17	W.C. Leung	2019
	Coil / decoiled bar of sizes 10 & 12 mm were		19 Oct
В	registered for new bar pattern SPN18 to BS4449:2005	W.C. Leung	2017
	Coil / decoiled bar of sizes 10, 12 & 16 mm were		19 Oct
A	registered for new bar pattern SPN17 to BS4449:2005	W.C. Leung	2017
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 SPN - SPAIN

(Remark: Steel bars were registered to CS2 unless otherwise stated)

	CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
Geotechnical Engineering Office	Geotechnical Engineering Office

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/SPN/3



Fundia steel AB, Smedjebacken

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
SWN - SWEDEN
(Remark: Steel bars were registered to CS2 unless
otherwise stated)

Rev.	Revision	Signature D	ate	
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT				
Geotechnical Engineering Office				
Public Works Laboratories				
SCALE	N.T.S.	DRAWING	NO.	
DATE	October 2024	PWL/SWN/1		



(TAW1)
Hai Kwang Enterprise Corporation



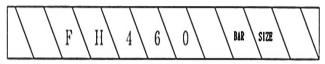
(TAW6)

Han Tai Steel & Iron Works Co., Ltd.



(TAW7)

Wei Chih Steel Industrial Co., Ltd.



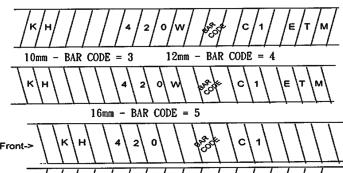
(TAW8)

Feng Hsin Steel Co., Ltd.



(TAW2)

(TAW3) Han Tai Steel & Iron Works Co., Ltd.



 $\frac{1}{25mm} - BAR CODE = 8$

(TAW9) E-Top Metal Co., Ltd.



(TAW4) Han Tai Steel & Iron Works Co., Ltd.



(TAW5) Han Tai Steel & Iron Works Co., Ltd.

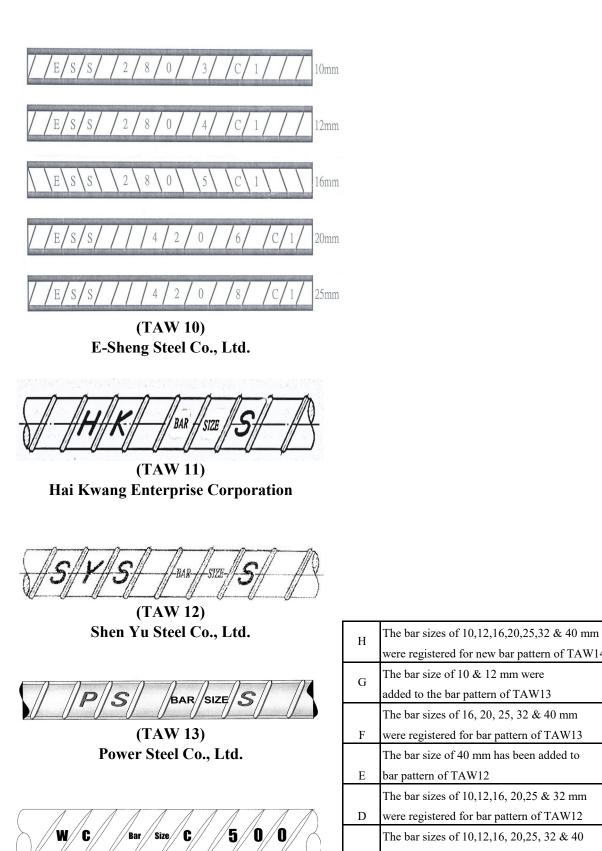
	The English name of the manufacture of		
	bar pattern TAW8 has been changed from		
	"Feng Hsin Iron & Steel Co., Ltd."		5 June
Е	to "Feng Hsin Steel Co., Ltd."	W.C. Leung	2017
	The bar sizes of 10, 12, 16, 20 & 25 mm were		7 Apr.
D	registered for new bar pattern of TAW9	C.T.Kwok	2009
	The bar size of 50 mm was added		13 Nov
C	to bar pattern of TAW8	C.T.Kwok	2008
	The bar sizes of 10,12,16, 20, 25, 32 &40mm		20 Oct.
В	were registered for new bar pattern of TAW8	C.T.Kwok	2008
	The bar sizes of 10,12,16, 20, 25, 32 &40mm		21 Dec
A	were registered for bar pattern of TAW7	C.T.Kwok	2007
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 TAW - TAIWAN

(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/TAW/1



BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 TAW - TAIWAN

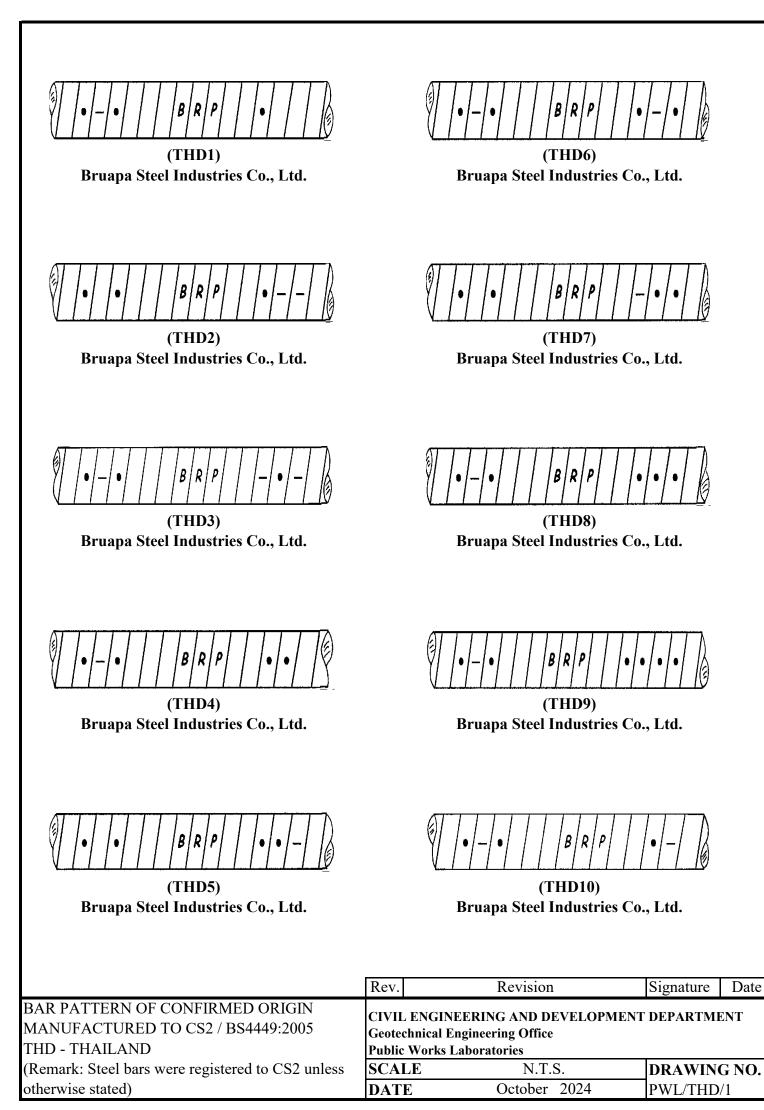
(Remark: Steel bars were registered to CS2 unless otherwise stated)

(TAW 14) Wei Chih Steel Industrial Co., Ltd.

I H			-
	were registered for new bar pattern of TAW14	W.C. Leung	2018
G	The bar size of 10 & 12 mm were		07 Feb
U	added to the bar pattern of TAW13	W.C. Leung	2018
	The bar sizes of 16, 20, 25, 32 & 40 mm		30 Aug
F	were registered for bar pattern of TAW13	S.W. TAM	2016
	The bar size of 40 mm has been added to		4 Jan
Е	bar pattern of TAW12	Y.W. YIM	2012
	The bar sizes of 10,12,16, 20,25 & 32 mm		26 Aug
D	were registered for bar pattern of TAW12	Y.W. YIM	2010
	The bar sizes of 10,12,16, 20,25, 32 & 40		6 Jan.
C	mm were registered for bar pattern of TAW11	C.T.Kwok	2010
	The bar sizes of 10,12,16, 20 & 25 mm		26-六月
В	were registered for bar pattern of TAW10	C.T.Kwok	2009
	Additional bar size of 50 mm was registered		22-六月
A	for bar pattern of TAW7	C.T.Kwok	2009
Rev.	Revision	Signature	Date

26 July

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/TAW/2





(THD11)

The Siam Construction Steel Co., Ltd.



(THD12)

The Siam Construction Steel Co., Ltd.

В	The bar size of 40mm was registered for		25 Nov
	bar pattern THD12	Y.W. YIM	2010
A	The bar sizes of 10,12,16, 20,25 & 32mm		2 Jul
A	were registered for bar pattern of THD12	Y.W. YIM	2010
Rev.	Revision	Signature	Date

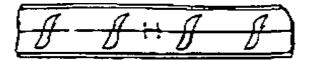
BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 THD - THAILAND

(Remark: Steel bars were registered to CS2 unless otherwise stated)

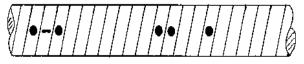
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office

Public Works Laboratories

SCALEN.T.S.DRAWING NO.DATEOctober 2024PWL/THD/2



(TUK1) Habas Sinai Ve Tibbi Gazlar Istihsal Endustrisi A.S.



(●) mark /marks may be found on the opposite side of the bar at random

(TUK6) Izmir Demir Celik Sanayi A.S.



(TUK2) ICDAS Celik Enerji Tersane Ve Ulasim Sanayi A.S.



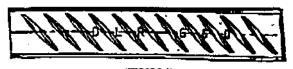
(TUK7) Colakoglu Metalurji A.S.



(TUK3) ICDAS Celik Enerji Tersane Ve Ulasim Sanayi A.S.



(TUK8) ICDAS Celik Enerji Tersane Ve Ulasim Sanayi A.S.



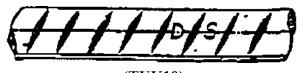
(TUK4) Diler Demir Celik Endustri Ve Tic A.S.



(TUK9) Ekinciler Demir Ve Celik Sanayi A.S.



(TUK5)
Diler Dis Ticaret A.S.



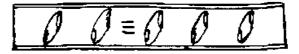
(1 UK10) Demirsan Heddecilik San Ve Tic. A.S.

BAR PATTERN OF CONFIRMED ORIGIN
MANUFACTURED TO CS2 / BS4449:2005
TUK - TURKEY

(Remark: Steel bars were registered to CS2 unless	
otherwise stated)	

Rev.	Revision	Signature	Date
CIVII	ENCINEEDING AND DEVELOPMEN	T DEDADTMI	ENT
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT			
Geotechnical Engineering Office			
Public	Works Laboratories		
CCA	T NTC	DD A WINE	CNO

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/TUK/1



(TUK11)

Ege Metal Demir Celik Sanayii Ticaret A.S.



(TUK16) Colakohlu Metalurji A.S.



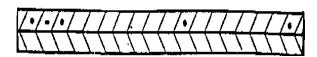
(TUK12) ICDAS Celik Enerji Tersane Ve Ulasim Sanayi A.S.



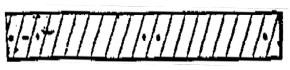
(TUK17) Diler Demir Celik Endustri Ve Tic A.S.



(TUK13) Diler Demir Celik Endustri Ve Tic A.S.



(TUK18)
ICDAS Celik Enerji Tersane Ve Ulasim Sanayi A.S.



(TUK14) Ekinciler Iron and Steel Industry Inc.



(●) mark /marks may be found on the opposite side of the bar at random (TUK19)

Yazici Iron & Steel Co., Inc. (Yazici Demir Celik Sanayi Ve Turizm Ticaret A.S.)



(TUK15) Colakogu Metalurji A.S.



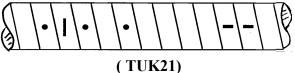
(TUK20)

Yazici Iron & Steel Co., Inc. (Yazici Demir Celik sanayi Ve Turizm Ticaret A.S.)

(Remark: Steel bars were registered to CS2 unless	
otherwise stated)	

Rev.	Revision	Signature	Date
	ENGINEERING AND DEVELOPM	ENT DEPARTMI	ENT
	hnical Engineering Office Works Laboratories		
SCAI	LE N.T.S.	DRAWING	GNO

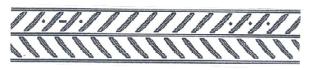
SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/TUK/2



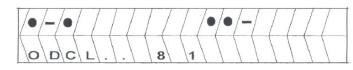
CEBITAS Celik Endustrisi A.S.



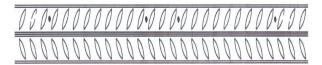
(TUK26) Kaptan Demir Celik Endustrisi Ve Ticaret A.S.



(TUK22)
Diler Demir Celik Endustri Ve Tic A.S.



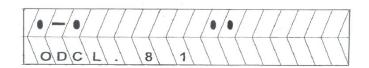
(TUK27) Habas Sinai Ve Tibbi Gazlar Istihsal Endustrisi A.S.



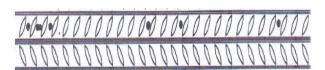
(●) mark /marks may be found on the opposite side of the bar at random

(TUK23)

Kaptan Demir Celik Endustrisi Ve Ticaret A.S.



(TUK28) Habas Sinai Ve Tibbi Gazlar Istihsal Endustrisi A.S.



(●) mark /marks may be found on the opposite side of the bar at random

(TUK24)

Kaptan Demir Celik Endustrisi Ve Ticaret A.S.



(●) mark /marks may be found on the opposite side of the bar at random

(TUK25)

Kaptan Demir Celik Endustrisi Ve Ticaret A.S.

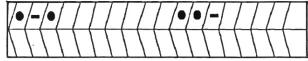
G	The bar sizes of 8 & 40 mm were		8 Mar.
0	registered for bar pattern of TUK28	C.T.Kwok	2010
F	The bar sizes of 8,10 &12 mm were		8 Mar.
1	registered for bar pattern of TUK27	C.T.Kwok	2010
Е	The bar size of 40 mm was		5 Feb.
L	registered for bar pattern of TUK26	C.T.Kwok	2010
D	The bar sizes of 8,10 mm		9 Sep
D	were registered for bar pattern of TUK25	C.T.Kwok	2009
С	The bar sizes of 12,16,20,25&32 mm		9 Sep
	were registered for bar pattern of TUK24	C.T.Kwok	2009
В	The bar sizes of 50 mm was registered for		9 Sep
Ь	bar pattern of TUK23	C.T.Kwok	2009
Α	The bar sizes of 8,10,12,16,20,25,32 & 40 mm		11 Jan
А	were registered for bar pattern of TUK22	C.T.Kwok	2008
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 TUK - TURKEY

(Remark: Steel bars were registered to CS2 unless otherwise stated)

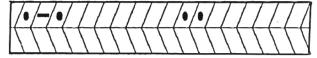
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories

SCALE N.T.S. DRAWING NO.
DATE October 2024 PWL/TUK/3



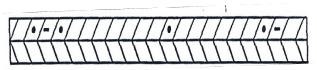
(TUK29)

Habas Sinai Ve Tibbi Gazlar Istihsal Endustrisi A.S.



(TUK30)

Habas Sinai Ve Tibbi Gazlar Istihsal Endustrisi A.S.

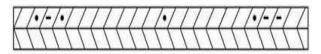


(TUK31)

ICDAS Celik Enerji Tersane Ve Ulasim Sanayi A.S.

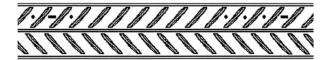


(TUK32) Kroman Celik Sanayii A.S.



(TUK33)

ICDAS Celik Enerji Tersane Ve Ulasim Sanayi A.S.



The bar pattern of TUK34 may be on the top, middle, or bottom of one side of the rebar surface and the alignment of the bar pattern is consistent to longitudinal rib of the rebar

(●) mark /marks may be found on the opposite side of the bar at random

(TUK34)

Diler Iron and Steel Co., Inc.

M	The bar size of 50 mm was added to		01 Apr
	bar pattern of TUK34	W.C. Leung	2021
L	Coil of sizes 10mm was registered		23 Nov
	to bar pattern of TUK33	W.C. Leung	2020
K	Coil / decoiled bar of sizes 6, 8, 10, 12 & 16 mm were		17 Jul
1.	registered for bar pattern TUK33 to BS4449:2005	W.C. Leung	2017
J	The bar sizes of 10,12,16,25 & 40 mm		02 Mar
J	were added to bar pattern of TUK34	W.C. Leung	2017
I	The bar size of 50 mm was added to		15 Feb
1	bar pattern of TUK33	W.C. Leung	2017
Н	The bar sizes of 8, 20 & 32 mm		9 Aug.
п	were registered for bar pattern of TUK34	Y.W. YIM	2013
G	The bar sizes of 10,12,16,20,25,32 & 40 mm		7 Aug.
	were registered for bar pattern of TUK33	Y.W. YIM	2013
F	The bar size of 50 mm was added to		1 Sep.
I I	bar pattern of TUK31	Y.W. YIM	2011
Е	The bar sizes of 8,10,12,16,20,25,32 & 40 mm		7 Jun.
	were registered for bar pattern of TUK32	Y.W. YIM	2011
D	The bar sizes of 10,12, 20, 25 & 32 mm		18 Mar
"	were added to bar pattern of TUK31	Y.W. YIM	2011
С	The bar sizes of 8,16 & 40 mm were		4 Mar.
	registered for bar pattern of TUK31	Y.W. YIM	2011
В	The bar sizes of 8,10,12,16,20,25,32 & 40 mm		8 Mar.
ь	were registered for bar pattern of TUK30	C.T.Kwok	2010
	The bar sizes of 8,10,12,16,20,25,32 & 40 mm		8 Mar.
A	were registered for bar pattern of TUK29	C.T.Kwok	2010
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 TUK - TURKEY

(Remark: Steel bars were registered to CS2 unless otherwise stated)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT Geotechnical Engineering Office Public Works Laboratories

SCALE N.T.S. DRAWING NO.
DATE October 2024 PWL/TUK/4



(●) mark /marks may be found on the opposite side of the bar at random

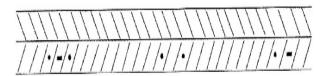
(TUK35) Izmir Demir Celik Sanayi A.S.



(•) mark /marks may be found on the opposite side of the bar at random

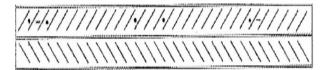
(TUK36)

Akdemir Celik Sanayi Ve Ticaret A.S.



(•) mark /marks may be found on the opposite side of the bar at random

(TUK37) Kroman Celik Sanayii A.S.



(•) mark /marks may be found on the opposite side of the bar at random

(TUK38)
Kaptan Demir Celik Endustrisi Ve
Ticaret A.S.



(TUK39) Ekinciler Demir Ve Celik Sanayi A.S.



slit number (1/2/3) mark/marks may be found on the opposite side of the bar at random (TUK40) Bastug Metalurji Sanayi A.S.

G	The bar sizes of 10,12,16,20,25,32 & 40 mm		10 Dec
U	were registered for bar pattern of TUK40		2019
F	The bar sizes of 8,10,12,16,20,25,32 & 40 mm		25 June
1	were registered for bar pattern of TUK39	W.C. Leung	2019
Е	Coil of sizes 10, 12, 16 & 20 mm		13 Feb
L	were registered for bar pattern of TUK37	W.C. Leung	2019
D	The bar sizes of 10,12,16,20,25,32 & 40 mm		28 Dec
D	were registered for bar pattern of TUK38	W.C. Leung	2017
С	The bar sizes of 8,10,12,16,20,25,32 & 40 mm		02 Nov
	were registered for bar pattern of TUK37	W.C. Leung	2017
В	The bar sizes of 8,10 mm were registered		12 Oct
ь	for bar pattern of TUK36	W.C. Leung	2017
A	The bar sizes of 8,10,12,16,20,25,32 & 40 mm		25 Sep
A	were registered for bar pattern of TUK35	W.C. Leung	2017
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 TUK - TURKEY

(Remark: Steel bars were registered to CS2 unless otherwise stated)

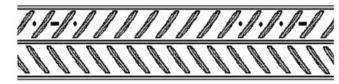
SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/TUK/5



() mark /marks may be found on the same/opposite side of the bar at random

(TUK41)

Habas Sinai Ve Tibbi Gazlar Istihsal Endustrisi A.S.



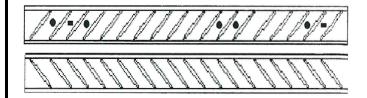
(TUK45)
Diler Iron and Steel Co., Inc.



(●) mark /marks may be found on the opposite side of the bar at random

(TUK42)

Yazici Iron & Steel Co., Inc.



() mark /marks may be found on the opposite side of the bar at random

(TUK43)

Akdemir Celik Sanayi Ve Ticaret A.S.

() mark /marks may be found on the opposite side of the bar at random

(TUK44)

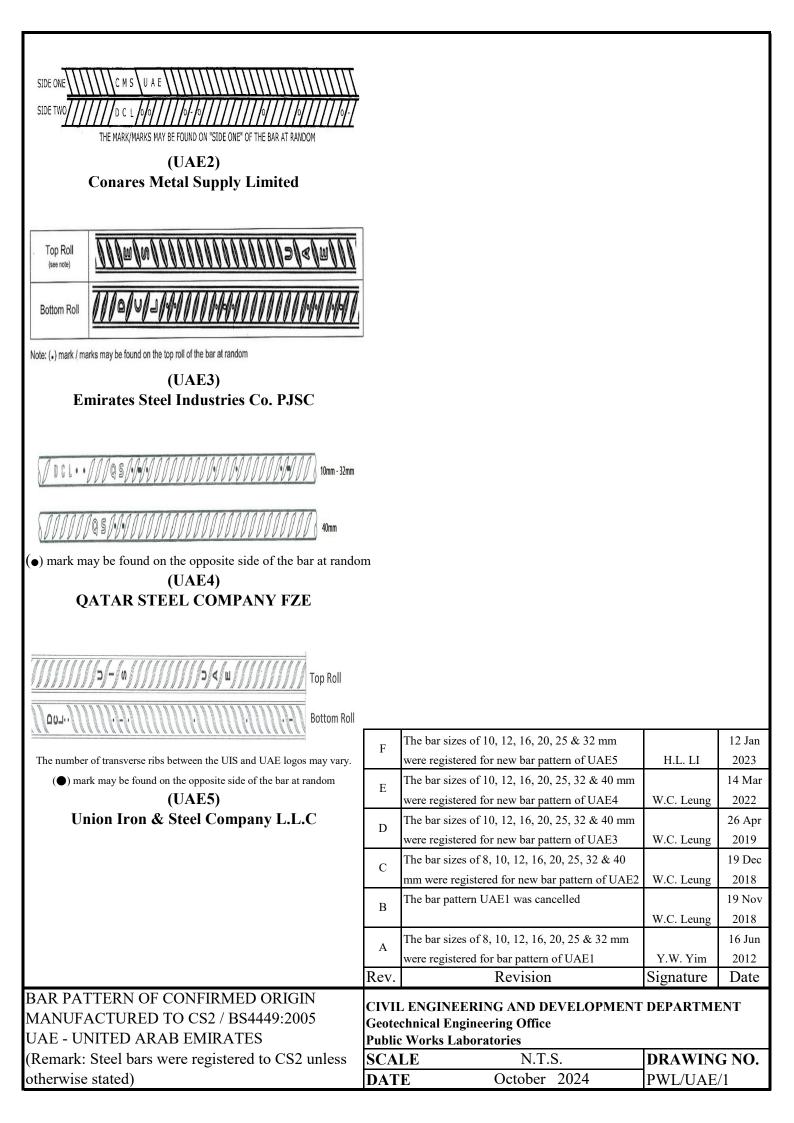
Izmir Demir Celik Sanayi A.S.

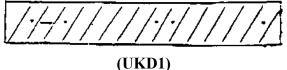
Е	Coil of sizes 8, 10, 12 & 16mm		20 Aug
L	were registered for bar pattern of TUK45	H.L. LI	2024
D	The bar sizes of 12,16,20,25,32 & 40 mm		10 June
D	were registered for bar pattern of TUK44	W.C. Leung	2021
С	The bar sizes of 8 & 10 mm		08 June
	were registered for bar pattern of TUK43	W.C. Leung	2021
В	The bar sizes of 10,12,16,20,25,32 & 40 mm		09 Feb
Б	were registered for bar pattern of TUK42	W.C. Leung	2021
Α	The bar sizes of 10,12,16,20,25,32 & 40 mm		05 Mar
A	were registered for bar pattern of TUK41	W.C. Leung	2020
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 TUK - TURKEY

(Remark: Steel bars were registered to CS2 unless otherwise stated)

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/TUK/6





(UKD1) Alphasteel Ltd.



(UKD6) Co-Steel sheerness P.L.C.



(UKD2)
Cardiff Rod and Reinforcement



(UKD7)
Celsa Manufacturing (UK) Ltd.



(UKD3) Co-Steel sheerness P.L.C.



(UKD8)
Celsa Manufacturing (UK) Ltd.



(UKD4) Co-Steel sheerness P.L.C.



(UKD9) Celsa Manufacturing (UK) Ltd.



(UKD5) Co-Steel sheerness P.L.C.

С	The bar sizes of 20 mm		17 Jun
	was registered for bar pattern of UKD9	Y.W.Yim	2010
В	The bar sizes of 10,12,14,16,20,25,32,40&50		17 Jun
ь	mm were registered for bar pattern of UKD8	Y.W.Yim	2010
Α	The bar sizes of 8,10,12&16 mm		17 Jun
A	were registered for bar pattern of UKD7	Y.W.Yim	2010
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 UKD - UNITED KINGDOM

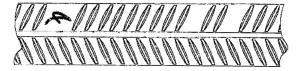
(Remark: Steel bars were registered to CS2 unless otherwise stated)

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/UKD/1



(UKR1)

Krivorozhsky State Owned Integrated Mining and Metallurgical Works "KRIVOROZHSTAL"



(UKR3)
PJSC "ArcelorMittal Kryvyi Rih"

Α	The bar sizes of 8, 10, 12, 16, 20, 25 & 32 mm		27 June
	were registered for new bar pattern of UKR3	W.C. Leung	2017
Rev.	Revision	Signature	Date

BAR PATTERN OF CONFIRMED ORIGIN MANUFACTURED TO CS2 / BS4449:2005 UKR - UKRAINE

(Remark: Steel bars were registered to CS2 unless otherwise stated)

SCALE	N.T.S.	DRAWING NO.
DATE	October 2024	PWL/UKR/1

