LSA STEEL UK
FICES: Build. 58, Castle Works, East Moors Road
24 5NN Cardiff (United Kingdom)

CELSA GROUP CELSA MANUFACTURING UK

CE
LRV ID N:0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

:andard
S-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number:2550120952
Order number :15692568
Your order :C104277

MATERIAL ot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL80X10 L.6m	CM120549	0.09	0.55	0.15	0.016	0.026	0.104	0.011	0.12	0.42	0.016	0.002	0.240	342	473	40.7					
S275 JR+AR FL80X10 L.6m	CM120549	0.09	0.55	0.15	0.016	0.026	0.104	0.011	0.12	0.42	0.016	0.002	0.240	345	472	40.7					
S275 JR+AR FL80X10 L.6m	CM120729	0.10	0.54	0.15	0.022	0.030	0.123	0.012	0.12	0.50	0.015	0.001	0.256	335	474	40.7					
S275 JR+AR FL80X10 L.6m	CM120729	0.10	0.54	0.15	0.022	0.030	0.123	0.012	0.12	0.50	0.015	0.001	0.256	338	473	41.3					
S275 JR+AR FL80X10 L.6m	CM120729	0.10	0.54	0.15	0.022	0.030	0.123	0.012	0.12	0.50	0.015	0.001	0.256	336	469	41.3					
S275 JR+AR FL80X10 L.6m	CM120729	0.10	0.54	0.15	0.022	0.030	0.123	0.012	0.12	0.50	0.015	0.001	0.256	336	474	40.8					
S275 JR+AR FL80X10 L.6m	CM120729	0.10	0.54	0.15	0.022	0.030	0.123	0.012	0.12	0.50	0.015	0.001	0.256	336	474	40.8					
S275 JR+AR FL80X10 L.6m	CM120732	0.09	0.51	0.15	0.023	0.027	0.123	0.012	0.13	0.48	0.022	0.001	0.243	328	471	41.3					
S275 JR+AR FL80X10 L.6m	CM120732	0.09	0.51	0.15	0.023	0.027	0.123	0.012	0.13	0.48	0.022	0.001	0.243	324	475	40.7					
S275 JR+AR FL80X10 L.6m	CM120732	0.09	0.51	0.15	0.023	0.027	0.123	0.012	0.13	0.48	0.022	0.001	0.243	330	470	40.7					

GD

19291

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

teel making process -
lectric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 16.07.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a true copy of the manufacturers test certificate held in our possession
VB

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 80 x 10 mm Size: 6,400 Colour: GOLD

'ustomer: WELDRITE STRUCTURES LIMITED S/O No: 714868 Cust Ref: WSL10138

'roduct: Flats 50 x 3 mm Size: 6,400 Colour: GREEN

Hall and Pickles
We certify this is a true copy of the original test certificate held in our possession

JC

JC

Green

ORIGINAL

A 04

CAG ÇELİK ENDÜSTRİ ANONİM ŞİRKETİ

A 02

MILLS TEST CERTIFICATES
(ÜRÜN TEST SERTİFİKASI)

THE INSPECTION CERTIFICATE AS PER EN 10204 CLAUSE 3.1 CONFORMING TO THE DEFINITION IN EN 10168.

(EN 10168 deki tanımlamaya uygun EN 10204 standardı madde 3.1 e göre muayene edilmiştir)

A 03

DOCUMENT NO : 2018-106 LOT2-1

ISSUE DATE : 22.03.2018

Rev No:/D : 1 PAGE (Sayfa) : 1/1

A 01

CAG CELIK DEMIR VE CELIK END. A.S. CAG CELIK PLAZA,ESENSEHIR EMEK MAH. ESKI NATO YOLU NO.286, SANCAKTEPE,ISTANBUL,TURKEY

A 06

APLLICANT: RONLY LIMITED 3RD FLOOR, 201 HAVERSTOCK HILL LONDON NW3 4QG

A 07

ORDER NO Sipariş No: 2018-106 LOT2-1

A 08

MANUFACTURER (Üretici): CAG CELIK DEMIR VE CELIK END.A.S.

B 01

PRODUCT (Ürün) : MATERIAL: FROM NEW PRODUCTION PRIME FLAT, ANGLE, SQUARE AND ROUND BARS, IN GRADE S275JR ACC. TO BS EN 10025:2004	STANDARD OF ASSESSMENT OF CONFORMITY EN 10025	STANDARD OF GRADE OF PRODUCT S275JR	DIMENSION CONTROL STANDARD FLAT BARS IN ACC. WITH EN 10058 JOEL ANGLES IN ACCORDANCE WITH EN 10056-1:1999 AND EN10056-2:1993, ROUND BARS IN ACCORDANCE WITH EN 10060:2003, SQUARE BARS IN ACCORDANCE WITH EN10059:2003
INSPECTION: SUPPLIER CERTIFICATION: SUPPLIER	STEELMAKING : BASIC OXYGEN FURNACE (BOF)	TEST RESULTS (TEST SONUÇLARI)	

DESCRIPTION OF DELIVERY (Sipariş Özellikleri)				MECHANICAL PROPERTIES				CHEMICAL ANALYSIS(PROPERTIES)															
HEAT NO	SECTION SYMBOL	LENGTH (MT)	STEEL GRADE	CHARPY TEST at 20 C >27 JOUL	TENSILE STRENGTH Mpa	YIELD STRENGTH Mpa	% ELONGATION (l-Lo) / Lo %	C %	Mn %	Si %	P %	S %	Ni %	Cr %	Mo %	% Cu	V %	Sn %	N ppm	Al %	Pb %	Co %	Ti %	Nb %	Ceq
74837	25 x 3	6	S275JR	OK	510	319	34	0.18	0.65	0.17	0.018	0.022	0.102	0.105	0.0022	0.040	0.0031	0.0021	58	0.0006	-	0.0010	0.0024	0.014	0.320
74842	30 x 3	6	S275JR	OK	505	314	33	0.19	0.67	0.18	0.017	0.021	0.110	0.105	0.0022	0.041	0.0037	0.0040	59	0.0005	-	0.0006	0.0019	0.014	0.334
74882	40 x 3	6	S275JR	OK	507	309	31	0.19	0.62	0.17	0.019	0.023	0.109	0.111	0.0024	0.043	0.0033	0.0023	59	0.0011	-	0.0006	0.0018	0.013	0.327
74888	50 x 3	6	S275JR	OK	503	321	34	0.19	0.63	0.18	0.016	0.022	0.108	0.111	0.0023	0.042	0.0031	0.0070	53	0.0007	-	0.0006	0.0019	0.013	0.328
74956	25 x 5	6	S275JR	OK	495	308	33	0.18	0.64	0.17	0.016	0.023	0.106	0.109	0.0021	0.034	0.0037	0.0028	59	0.0009	-	0.0009	0.0018	0.017	0.319
74714	30 x 5	6	S275JR	OK	492	319	32	0.18	0.62	0.18	0.018	0.023	0.106	0.114	0.0022	0.033	0.0038	0.0058	51	0.0003	-	0.0011	0.0018	0.013	0.317
74872	40 x 5	6	S275JR	OK	493	310	35	0.19	0.62	0.18	0.016	0.021	0.108	0.102	0.0021	0.031	0.0034	0.0027	58	0.0007	-	0.0011	0.0023	0.013	0.324
74729	50 x 5	6	S275JR	OK	487	318	31	0.19	0.61	0.18	0.018	0.024	0.107	0.114	0.0023	0.039	0.0037	0.0062	58	0.0007	-	0.0011	0.0024	0.017	0.325
74949	25 x 6	6	S275JR	OK	488	310	32	0.18	0.67	0.17	0.019	0.023	0.101	0.115	0.0022	0.039	0.0036	0.0070	54	0.0012	-	0.0010	0.0018	0.016	0.325
74714	30 x 6	6	S275JR	OK	489	317	35	0.18	0.62	0.18	0.018	0.023	0.106	0.114	0.0022	0.033	0.0038	0.0058	51	0.0003	-	0.0011	0.0018	0.013	0.317
74870	40 x 6	6	S275JR	OK	482	329	36	0.18	0.65	0.18	0.016	0.022	0.106	0.114	0.0020	0.040	0.0036	0.0060	53	0.0003	-	0.0009	0.0017	0.015	0.322
74726	50 x 6	6	S275JR	OK	477	329	35	0.19	0.64	0.17	0.018	0.021	0.110	0.107	0.0021	0.040	0.0038	0.0060	55	0.0004	-	0.0013	0.0018	0.016	0.329
74714	25 x 8	6	S275JR	OK	473	311	33	0.18	0.62	0.18	0.018	0.023	0.106	0.114	0.0022	0.033	0.0038	0.0058	51	0.0003	-	0.0011	0.0018	0.013	0.317
74726	30 x 8	6	S275JR	OK	478	318	34	0.19	0.64	0.17	0.018	0.021	0.110	0.107	0.0021	0.040	0.0038	0.0060	55	0.0004	-	0.0013	0.0018	0.016	0.329
74336	40 x 8	6	S275JR	OK	475	329	35	0.18	0.64	0.17	0.019	0.021	0.101	0.111	0.0024	0.043	0.0032	0.0054	55	0.0006	-	0.0012	0.0018	0.017	0.320
74716	25 x 10	6	S275JR	OK	471	320	33	0.19	0.67	0.17	0.019	0.023	0.109	0.110	0.0024	0.033	0.0036	0.0059	51	0.0007	-	0.0007	0.0024	0.017	0.334
74716	30 x 10	6	S275JR	OK	465	318	32	0.19	0.67	0.17	0.019	0.023	0.109	0.110	0.0024	0.033	0.0036	0.0059	51	0.0007	-	0.0007	0.0024	0.017	0.334
74737	40 x 10	6	S275JR	OK	460	322	36	0.19	0.61	0.17	0.019	0.022	0.107	0.110	0.0021	0.045	0.0035	0.0044	56	0.0005	-	0.0008	0.0016	0.017	0.325
74734	50 x 10	6	S275JR	OK	455	313	31	0.18	0.65	0.18	0.019	0.021	0.104	0.106	0.0021	0.042	0.0035	0.0021	52	0.0010	-	0.0007	0.0018	0.014	0.321
810682	100 x 10	6	S275JR	OK	450	317	33	0.16	0.61	0.18	0.017	0.023	0.101	0.103	0.0021	0.037	0.0037	0.0039	51	0.0012	-	0.0013	0.0018	0.016	0.313

CAG ÇELİK

19237

ORIGINAL

810895	150 x 10	6	S275JR	OK	445	312	32	0.19	0.61	0.18	0.016	0.024	0.104	0.112	0.0023	0.033	0.0038	0.0067	59	0.0007	-	0.0007	0.0022	0.015	0.324
74857	10 x 10	6	S275JR	OK	467	328	34	0.19	0.61	0.18	0.019	0.023	0.109	0.102	0.0022	0.038	0.0035	0.0043	57	0.0008	-	0.0008	0.0017	0.017	0.323
74868	12 x 12	6	S275JR	OK	463	318	31	0.18	0.61	0.17	0.018	0.021	0.110	0.101	0.0024	0.042	0.0035	0.0036	54	0.0006	-	0.0010	0.0018	0.013	0.313
74582	16 x 16	6	S275JR	OK	459	311	31	0.18	0.67	0.17	0.019	0.022	0.110	0.105	0.0024	0.034	0.0035	0.0057	57	0.0006	-	0.0006	0.0017	0.017	0.323
74432	20 x 20 x 3	6	S275JR	OK	490	310	32	0.19	0.64	0.17	0.019	0.021	0.108	0.107	0.0021	0.043	0.0032	0.0060	59	0.0005	-	0.0011	0.0018	0.017	0.329
74924	30 x 30 x 3	6	S275JR	OK	494	329	32	0.18	0.65	0.17	0.019	0.022	0.103	0.102	0.0022	0.034	0.0035	0.0035	52	0.0011	-	0.0007	0.0024	0.013	0.319
75023	40 x 40 x 3	6	S275JR	OK	492	306	33	0.19	0.65	0.18	0.016	0.023	0.105	0.110	0.0023	0.035	0.0036	0.0054	58	0.0004	-	0.0010	0.0022	0.015	0.331
74930	30 x 30 x 5	6	S275JR	OK	482	329	35	0.19	0.66	0.18	0.018	0.022	0.108	0.109	0.0023	0.036	0.0031	0.0059	52	0.0009	-	0.0007	0.0024	0.015	0.332
727273	8	6	S275JR	OK	476	321	33	0.19	0.65	0.17	0.018	0.022	0.108	0.103	0.0024	0.045	0.0031	0.0029	52	0.0010	-	0.0009	0.0023	0.016	0.330
75006	10	6	S275JR	OK	467	306	34	0.19	0.63	0.17	0.019	0.023	0.109	0.105	0.0022	0.031	0.0035	0.0034	56	0.0010	-	0.0011	0.0024	0.017	0.326

CEQ = C + Mn / 6 + (Cr + Mo + V) / 5 + (Ni + Cu) / 15

CHEMICAL AND MECHANICAL VALUES AND Ceq AND USIGN MATERIAL SUITABLE FOR CONSTRUCTION BEAMS

Z 04

CE MARKING
(CE MARKALAMA)

CE

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION . MILL TEST CERTIFICATE IS ISSUED IN ACCORDANCE TO BS EN 10204 AND THE SILICON CONTENT(SI %) AS STATED IN THE SALES CONTRACT CERTIFICATES .

Z 02

CHEMICAL AND MECHANICAL TEST BY

ORHAN ASLAN

Quality Metallurgy and Laboratory Technician

A 04

A 02

A 03

GAG ÇELİK
DEMİR ve ÇELİK END. A.Ş.

ORIGINAL

Hall and Pickles JC
We certify that this is a true copy of the mill test certificate held in our possession

A 04

CAG ÇELİK
ENDÜSTRİ ANONİM ŞİRKETİ

A 01

CAG CELIK DEMIR VE CELIK END. A.S. CAG CELIK PLAZA, ESENSEHIR EMEK MAH. ESKI NATO YOLU NO:286, SANCAKTEPE, ISTANBUL, TURKEY

A 02

MILLS TEST CERTIFICATES
(ÜRÜN TEST SERTİFİKASI)

THE INSPECTION CERTIFICATE AS PER EN 10204 CLAUSE 3.1 CONFORMING TO THE DEFINITION IN EN 10168.
(EN 10168 deki tanımlamaya uygun EN 10204 standardı madde 3.1 e göre muayene edilmiştir)

A 03

DOCUMENT NO : 2018-106 LOT2-1
ISSUE DATE : 22.03.2018
Rev No:/D : 1 PAGE (Sayfa) : 1/1

A 06

APLLICANT: RONLY LIMITED 3RD FLOOR, 201 HAVERSTOCK HILL LONDON NW3 4QG

A 07

ORDER NO / Sipariş No: 2018-106 LOT2-1

A 08

MANUFACTURER (Üretici): CAG CELIK DEMIR VE CELIK END.A.S.

B 01

PRODUCT (Ürün) : MATERIAL: FROM NEW PRODUCTION PRIME FLAT, ANGLE, SQUARE AND ROUND BARS, IN GRADE S275JR ACC. TO BS EN 10025:2004	STANDARD OF ASSESSMENT OF CONFORMITY EN 10025	STANDARD OF GRADE OF PRODUCT S275JR	DIMENSION CONTROL STANDARD FLAT BARS IN ACC. WITH EN 10058:2003, ANGLES IN ACCORDANCE WITH EN 10056-1:1999 AND EN10056-2:1993, ROUND BARS IN ACCORDANCE WITH EN 10060:2003, SQUARE BARS IN ACCORDANCE WITH EN10059:2003
INSPECTION: SUPPLIER CERTIFICATION: SUPPLIER	STEELMAKING : BASIC OXYGEN FURNACE (BOF)	TEST RESULTS (TEST SONUÇLARI)	

DESCRIPTION OF DELIVERY (Sipariş Özellikleri)				MECHANICAL PROPERTIES				CHEMICAL ANALYSIS(PROPERTIES)															
HEAT NO	SECTION SYMBOL	LENGTH (MT)	STEEL GRADE	CHARPY TEST at Z0 C >27 JOUL	TENSILE STRENGTH Mpa	YIELD STRENGTH Mpa	% ELONGATION (L-Lo) / Lo %	C %	Mn %	Si %	P %	S %	Ni %	Cr %	Mo %	% Cu	V %	Sn %	N ppm	Al %	Pb %	Co %	Ti %	Nb %	Ceq
74837	25 x 3	6	S275JR	OK	510	319	34	0.18	0.65	0.17	0.018	0.022	0.102	0.105	0.0022	0.040	0.0031	0.0021	58	0.0006	-	0.0010	0.0024	0.014	0.320
74842	30 x 3	6	S275JR	OK	505	314	33	0.19	0.67	0.18	0.017	0.021	0.110	0.105	0.0022	0.041	0.0037	0.0040	59	0,0005	-	0.0006	0.0019	0.014	0.334
74882	40 x 3	6	S275JR	OK	507	309	31	0.19	0.62	0.17	0.019	0.023	0.109	0.111	0.0024	0.043	0.0033	0.0023	59	0.0011	-	0.0006	0.0018	0.013	0.327
74888	50 x 3	6	S275JR	OK	503	321	34	0.19	0.63	0.18	0.016	0.022	0.108	0.111	0.0023	0.042	0.0031	0.0070	53	0.0007	-	0.0006	0.0019	0.013	0.328
74956	25 x 5	6	S275JR	OK	495	308	33	0.18	0.64	0.17	0.016	0.023	0.106	0.109	0.0021	0.034	0.0037	0.0028	59	0.0009	-	0.0009	0.0018	0.017	0.319
74714	30 x 5	6	S275JR	OK	492	319	32	0.18	0.62	0.18	0.018	0.023	0.106	0.114	0.0022	0.033	0.0038	0.0058	51	0.0003	-	0.0011	0.0018	0.013	0.317
74872	40 x 5	6	S275JR	OK	493	310	35	0.19	0.62	0.18	0.016	0.021	0.108	0.102	0.0021	0.031	0.0034	0.0027	58	0.0007	-	0.0011	0.0023	0.013	0.324
74729	50 x 5	6	S275JR	OK	487	318	31	0.19	0.61	0.18	0.018	0.024	0.107	0.114	0.0023	0.039	0.0037	0.0062	58	0.0007	-	0.0011	0.0024	0.017	0.325
74949	25 x 6	6	S275JR	OK	488	310	32	0.18	0.67	0.17	0.019	0.023	0.101	0.115	0.0022	0.039	0.0036	0.0070	54	0.0012	-	0.0010	0.0018	0.016	0.325
74714	30 x 6	6	S275JR	OK	489	317	35	0.18	0.62	0.18	0.018	0.023	0.106	0.114	0.0022	0.033	0.0038	0.0058	51	0.0003	-	0.0011	0.0018	0.013	0.317
74870	40 x 6	6	S275JR	OK	482	329	36	0.18	0.65	0.18	0.016	0.022	0.106	0.114	0.0020	0.040	0.0036	0.0060	53	0.0003	-	0.0009	0.0017	0.015	0.322
74726	50 x 6	6	S275JR	OK	477	329	35	0.19	0.64	0.17	0.018	0.021	0.110	0.107	0.0021	0.040	0.0038	0.0060	55	0.0004	-	0.0013	0.0018	0.016	0.329
74714	25 x 8	6	S275JR	OK	473	311	33	0.18	0.62	0.18	0.018	0.023	0.106	0.114	0.0022	0.033	0.0038	0.0058	51	0.0003	-	0.0011	0.0018	0.013	0.317
74726	30 x 8	6	S275JR	OK	478	318	34	0.19	0.64	0.17	0.018	0.021	0.110	0.107	0.0021	0.040	0.0038	0.0060	55	0.0004	-	0.0013	0.0018	0.016	0.329
74336	40 x 8	6	S275JR	OK	475	329	35	0.18	0.64	0.17	0.019	0.021	0.101	0.111	0.0024	0.043	0.0032	0.0054	55	0.0006	-	0.0012	0.0018	0.017	0.320
74716	25 x 10	6	S275JR	OK	471	320	33	0.19	0.67	0.17	0.019	0.023	0.109	0.110	0.0024	0.033	0.0036	0.0059	51	0.0007	-	0.0007	0.0024	0.017	0.334
74716	30 x 10	6	S275JR	OK	465	318	32	0.19	0.67	0.17	0.019	0.023	0.109	0.110	0.0024	0.033	0.0036	0.0059	51	0.0007	-	0.0007	0.0024	0.017	0.334
74737	40 x 10	6	S275JR	OK	460	322	36	0.19	0.61	0.17	0.019	0.022	0.107	0.110	0.0021	0.045	0.0035	0.0044	56	0.0005	-	0.0008	0.0016	0.017	0.325
74734	50 x 10	6	S275JR	OK	455	313	31	0.18	0.65	0.18	0.019	0.021	0.104	0.108	0.0021	0.042	0.0035	0.0021	52	0.0010	-	0.0007	0.0018	0.014	0.321
810682	100 x 10		S275JR	OK	450	317	33	0.18	0.61	0.18	0.017	0.023	0.101	0.103	0.0021	0.037	0.0037	0.0039	51	0.0012	-	0.0013	0.0018	0.016	0.313

Green

CAG ÇELİK

194237

ORIGINAL

810895	150 x 10	6	S275JR	OK	445	312	32	0.19	0.61	0.18	0.016	0.024	0.104	0.112	0.0023	0.033	0.0038	0.0067	59	0.0007	-	0.0007	0.0022	0.015	0.324
74857	10 x 10	6	S275JR	OK	467	328	34	0.19	0.61	0.18	0.019	0.023	0.109	0.102	0.0022	0.038	0.0035	0.0043	57	0.0008	-	0.0008	0.0017	0.017	0.323
74868	12 x 12	6	S275JR	OK	463	318	31	0.18	0.61	0.17	0.018	0.021	0.110	0.101	0.0024	0.042	0.0035	0.0036	54	0.0006	-	0.0010	0.0018	0.013	0.313
74582	16 x 16	6	S275JR	OK	459	311	31	0.18	0.67	0.17	0.019	0.022	0.110	0.105	0.0024	0.034	0.0035	0.0057	57	0.0006	-	0.0006	0.0017	0.017	0.323
74432	20 x 20 x 3	6	S275JR	OK	490	310	32	0.19	0.64	0.17	0.019	0.021	0.108	0.107	0.0021	0.043	0.0032	0.0060	59	0.0005	-	0.0011	0.0018	0.017	0.329
74924	30 x 30 x 3	6	S275JR	OK	494	329	32	0.18	0.65	0.17	0.019	0.022	0.103	0.102	0.0022	0.034	0.0035	0.0035	52	0.0011	-	0.0007	0.0024	0.013	0.319
75023	40 x 40 x 3	6	S275JR	OK	492	306	33	0.19	0.65	0.18	0.016	0.023	0.105	0.110	0.0023	0.035	0.0036	0.0054	58	0.0004	-	0.0010	0.0022	0.015	0.331
74930	30 x 30 x 5	6	S275JR	OK	482	329	35	0.19	0.66	0.18	0.018	0.022	0.108	0.109	0.0023	0.036	0.0031	0.0059	52	0.0009	-	0.0007	0.0024	0.015	0.332
727273	8	6	S275JR	OK	476	321	33	0.19	0.65	0.17	0.018	0.022	0.108	0.103	0.0024	0.045	0.0031	0.0029	52	0.0010	-	0.0009	0.0023	0.016	0.330
75006	10	6	S275JR	OK	467	306	34	0.19	0.63	0.17	0.019	0.023	0.109	0.105	0.0022	0.031	0.0035	0.0034	56	0.0010	-	0.0011	0.0024	0.017	0.326

CEQ = C + Mn / 6 + (Cr + Mo + V) / 5 + (Ni + Cu) / 15 — CHEMICAL AND MECHANICAL VALUES AND Ceq AND USIGN MATERIAL SUITABLE FOR CONSTRUCTION BEAMS

Z 04

CE MARKING
(CE MARKALAMA)

CE

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION . MILL TEST CERTIFICATE IS ISSUED IN ACCORDANCE TO BS EN 10204 AND THE SILICON CONTENT(Si %) AS STATED IN THE SALES CONTRACT CERTIFICATES .

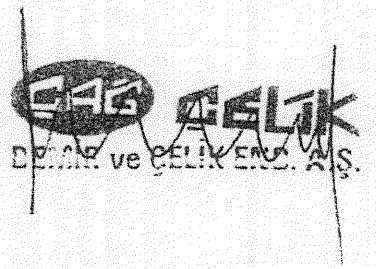
Z 02

CHEMICAL AND MECHANICAL TEST BY

ORHAN ASLAN

Quality Metallurgy and Laboratory Technician

A 04 | A 02 | A 03



ORIGINAL

Hall and Pickles
We certify
true copy of the manufacturers
test certificate now in our
possession JC 2/5

A 04

CAG ÇELİK ENDÜSTRİ ANONİM ŞİRKETİ

A 01

CAG CELIK DEMIR VE CELIK END. A.S. CAG CELIK PLAZA,ESENSEHIR EMEK MAH. ESKINATO YOLU NO:280, SANCAKTEPE,ISTANBUL,TURKEY

A 02

MILLS TEST CERTIFICATES
(ÜRÜN TEST SERTİFİKASI)

THE INSPECTION CERTIFICATE AS PER EN 10204 CLAUSE 3.1 CONFORMING TO THE DEFINITION IN EN 10168.

(EN 10168 deki tanımlamaya uygun EN 10204 standardı madde 3.1 e göre muayene edilmiştir)

A 03

DOCUMENT NO : 2018-106 LOT2-1

ISSUE DATE : 22.03.2018

Rev No:/D : 1 PAGE (Sayfa) : 1/1

A 06

APLLICANT: RONLY LIMITED 3RD FLOOR, 201 HAVERSTOCK HILL LONDON NW3 4QG

A 07

ORDER NO / Sipariş No: 2018-106 LOT2-1

A 08

MANUFACTURER (Üretici): CAG CELIK DEMIR VE CELIK END.A.S.

B 01

PRODUCT (Ürün) : MATERIAL: FROM NEW PRODUCTION PRIME FLAT, ANGLE, SQUARE AND ROUND BARS, IN GRADE S275JR ACC. TO BS EN 10025:2004

STANDARD OF ASSESSMENT OF CONFORMITY: EN 10025

STANDARD OF GRADE OF PRODUCT: S275JR

DIMENSION CONTROL STANDARD: FLAT BARS IN ACC. WITH EN 10058:2003, ANGLES IN ACCORDANCE WITH EN 10056-1:1999 AND EN10056-2:1993, ROUND BARS IN ACCORDANCE WITH EN 10060:2003, SQUARE BARS IN ACCORDANCE WITH EN10059:2003

INSPECTION: SUPPLIER
CERTIFICATION: SUPPLIER

STEELMAKING : BASIC OXYGEN FURNACE (BOF)

TEST RESULTS
(TEST SONUÇLARI)

DESCRIPTION OF DELIVERY (Sipariş Özellikleri)				MECHANICAL PROPERTIES				CHEMICAL ANALYSIS(PROPERTIES)															
HEAT NO	SECTION SYMBOL	LENGTH (MT)	STEEL GRADE	CHARPY TEST at Z0 C >27 JOUL	TENSILE STRENGTH Mpa	YIELD STRENGTH Mpa	% ELONGATION (L-Lo) / Lo %	C %	Mn %	Si %	P %	S %	Ni %	Cr %	Mo %	% Cu	V %	Sn %	N ppm	Al %	Pb %	Co %	Ti %	Nb %	Ceq
74837	25 x 3	6	S275JR	OK	510	319	34	0.18	0.65	0.17	0.018	0.022	0.102	0.105	0.0022	0.040	0.0031	0.0021	58	0.0006	-	0.0010	0.0024	0.014	0.320
74842	30 x 3	6	S275JR	OK	505	314	33	0.19	0.67	0.18	0.017	0.021	0.110	0.105	0.0022	0.041	0.0037	0.0040	59	0.0005	-	0.0006	0.0019	0.014	0.334
74882	40 x 3	6	S275JR	OK	507	309	31	0.19	0.62	0.17	0.019	0.023	0.109	0.111	0.0024	0.043	0.0033	0.0023	59	0.0011	-	0.0006	0.0018	0.013	0.327
74888	50 x 3	6	S275JR	OK	503	321	34	0.19	0.63	0.18	0.016	0.022	0.108	0.111	0.0023	0.042	0.0031	0.0070	53	0.0007	-	0.0006	0.0019	0.013	0.328
74956	25 x 5	6	S275JR	OK	495	308	33	0.18	0.64	0.17	0.016	0.023	0.106	0.109	0.0021	0.034	0.0037	0.0028	59	0.0009	-	0.0009	0.0018	0.017	0.319
74714	30 x 5	6	S275JR	OK	492	319	32	0.18	0.62	0.18	0.018	0.023	0.106	0.114	0.0022	0.033	0.0038	0.0058	51	0.0003	-	0.0011	0.0018	0.013	0.317
74872	40 x 5	6	S275JR	OK	493	310	35	0.19	0.62	0.18	0.016	0.021	0.108	0.102	0.0021	0.031	0.0034	0.0027	58	0.0007	-	0.0011	0.0023	0.013	0.324
74729	50 x 5	6	S275JR	OK	487	318	31	0.19	0.61	0.18	0.018	0.024	0.107	0.114	0.0023	0.039	0.0037	0.0062	58	0.0007	-	0.0011	0.0024	0.017	0.325
74949	25 x 6	6	S275JR	OK	488	310	32	0.18	0.67	0.17	0.019	0.023	0.101	0.115	0.0022	0.039	0.0036	0.0070	54	0.0012	-	0.0010	0.0018	0.016	0.325
74714	30 x 6	6	S275JR	OK	489	317	35	0.18	0.62	0.18	0.018	0.023	0.106	0.114	0.0022	0.033	0.0038	0.0058	51	0.0003	-	0.0011	0.0018	0.013	0.317
74870	40 x 6	6	S275JR	OK	482	329	36	0.18	0.65	0.18	0.016	0.022	0.106	0.114	0.0020	0.040	0.0036	0.0060	53	0.0003	-	0.0009	0.0017	0.015	0.322
74726	50 x 6	6	S275JR	OK	477	329	35	0.19	0.64	0.17	0.018	0.021	0.110	0.107	0.0021	0.040	0.0038	0.0060	55	0.0004	-	0.0013	0.0018	0.016	0.329
74714	25 x 8	6	S275JR	OK	473	311	33	0.18	0.62	0.18	0.018	0.023	0.106	0.114	0.0022	0.033	0.0038	0.0058	51	0.0003	-	0.0011	0.0018	0.013	0.317
74726	30 x 8	6	S275JR	OK	478	318	34	0.19	0.64	0.17	0.018	0.021	0.110	0.107	0.0021	0.040	0.0038	0.0060	55	0.0004	-	0.0013	0.0018	0.016	0.329
74336	40 x 8	6	S275JR	OK	475	329	35	0.18	0.64	0.17	0.019	0.021	0.101	0.111	0.0024	0.043	0.0032	0.0054	55	0.0006	-	0.0012	0.0018	0.017	0.320
74716	25 x 10	6	S275JR	OK	471	320	33	0.19	0.67	0.17	0.019	0.023	0.109	0.110	0.0024	0.033	0.0036	0.0059	51	0.0007	-	0.0007	0.0024	0.017	0.334
74716	30 x 10	6	S275JR	OK	465	318	32	0.19	0.67	0.17	0.019	0.023	0.109	0.110	0.0024	0.033	0.0036	0.0059	51	0.0007	-	0.0007	0.0024	0.017	0.334
74737	40 x 10	6	S275JR	OK	460	322	36	0.19	0.61	0.17	0.019	0.022	0.107	0.110	0.0021	0.045	0.0035	0.0044	56	0.0005	-	0.0008	0.0016	0.017	0.325
74734	50 x 10	6	S275JR	OK	455	313	31	0.18	0.65	0.18	0.019	0.021	0.104	0.108	0.0021	0.042	0.0035	0.0021	52	0.0010	-	0.0007	0.0018	0.014	0.321
810682	100 x 10	6	S275JR	OK	450	317	33	0.18	0.61	0.18	0.017	0.023	0.101	0.103	0.0021	0.037	0.0037	0.0039	51	0.0012	-	0.0013	0.0018	0.016	0.313

Green

CAG ÇELİK

19737

M02

INSPECTION CERTIFICATE 3.1. - EN 10204

A03
721ZG18MF

PAGE	A06 CUSTOMER	DESTINATION
1	HALL & PICKLES 1812 LTD	HALL & PICKLES CROSSKEYS DIVISION Blackvein Industrial Estate Wattsville Crosskeys Gwent

A08 ORDER	B01/B02/B03/B04 DENOMINATION		Z02 DATE
	STANDARD	GRADE	
18/146MFZGMF/1	UNE EN 10025-2	S275JR + M	27/07/2018

REMARKS

Dimensions in mm

C, Si, Cr, Ni, Cu, Mn and Ceq. x 100

P, S, V and others x 1000

SUITABLE FOR GALVANIZING

7434

A01

MEGASA

MEGASIDER ZARAGOZA, S.A.U

PTR José López Soriano – Avda. de José López Soriano, 100
50720 La Cartuja Baja – Zaragoza – España – Tel.: +34 976 466 171

SIZE	CAST	CHEMICAL COMPOSITION OF THE STEEL IN % OF														TENSILE TESTS			IMPACT TEST					
		C	Mn	Si	P	S	N	Nb	V	Cr	Cu	Ni	Ceq	Mo	Cr+Ni+M	ReH MPa	Rm MPa	%A	T° C	KV	V1 J	V2 J.	V3 J	MEDIA J
B09/B10/B11	B07	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C83	C84	C13	C03	C40/C41	C42	C42	C42	C43
RC-50x6	804371/2	10	59	17	21	36	10	2	0	13	39	15	27	31	310	318	468	29,9	20	5	42	52	66	53
RC-50x6	804372/3	10	60	16	19	37	10	1	0	11	39	14	27	30	279	314	468	31,0	20	5	44	85	66	65

Grey

2000s1

Tolerances on shape and dimensions according to EN 10058

Z04

CE

07-0099
MG-2/04-CPR-2016-10-01
EN 10025-01

ER

ER-0003/1993

Sostenibilidad siderúrgica

Gestión RSE

Hall and Pickles
We certify that this is a true copy of the manufacturers test certificate held in our possession

HEREBY THE COMPANY CERTIFIES THAT THE PRODUCTS INCLUDED IN THIS CERTIFICATE ARE FREE OF RADIOACTIVITY.

MEGASIDER certifies that the material has been satisfactorily inspected in accordance with the specification

C70 D01/Z01

QUALITY DEPARTMENT

A05

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 50 x 6mm Size: 6.400 Colour: GREY

ELSA STEEL UK
FFICES: Build. 58, Castle Works, East Moors Road
F24 5NN Cardiff (United Kingdom)

CELSA GROUP

CELSA
MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

:andard
-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number: 2550114130
Order number :15690448
Your order :C103611

ATERIAL ot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
275 JR+AR FL180X6 L.6m	CM119620	0.09	0.54	0.16	0.030	0.030	0.123	0.010	0.14	0.43	0.017	0.001	0.244	327	453	43.7					
275 JR+AR FL180X6 L.6m	CM119620	0.09	0.54	0.16	0.030	0.030	0.123	0.010	0.14	0.43	0.017	0.001	0.244	328	458	37.7					
275 JR+AR FL180X6 L.6m	CM119620	0.09	0.54	0.16	0.030	0.030	0.123	0.010	0.14	0.43	0.017	0.001	0.244	327	456	46.0					
275 JR+AR FL200X15 L.6m	CM119446	0.10	0.55	0.16	0.025	0.025	0.134	0.010	0.14	0.47	0.020	0.002	0.260	296	442	36.9					
275 JR+AR FL200X15 L.6m	CM119446	0.10	0.55	0.16	0.025	0.025	0.134	0.010	0.14	0.47	0.020	0.002	0.260	298	448	36.6					
275 JR+AR FL200X15 L.6m	CM119446	0.10	0.55	0.16	0.025	0.025	0.134	0.010	0.14	0.47	0.020	0.002	0.260	313	459	36.8					
275 JR+AR FL200X6 L.6m	CM119618	0.09	0.54	0.17	0.027	0.029	0.113	0.010	0.18	0.52	0.022	0.002	0.254	326	454	36.9					
275 JR+AR FL200X6 L.6m	CM119618	0.09	0.54	0.17	0.027	0.029	0.113	0.010	0.18	0.52	0.022	0.002	0.254	326	453	43.1					
275 JR+AR FL200X6 L.6m	CM119618	0.09	0.54	0.17	0.027	0.029	0.113	0.010	0.18	0.52	0.022	0.002	0.254	325	456	37.3					
275 JR+AR FL200X8 L.6m	CM116606	0.10	0.54	0.15	0.017	0.029	0.130	0.012	0.15	0.48	0.030	0.002	0.262	327	454	44.3					

197901

he materials has been evaluated and radiation is within national limits
roduct suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

eel making process -
ectric arc

Certified that the material detailed hereon meets the
requirements of the specified standard.
Cardiff, 23.05.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a
true copy of the manufacturers
test certificate held in our
possession

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 200 x 6 mm Size: 6.400 Colour: YELLOW

CELSA STEEL UK
OFFICES: Build. 58, Castle Works, East Moors Road
CF24 5NN Cardiff (United Kingdom)

CELSA GROUP

CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

Standard
BS-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number:2550125893
Order number :15693874
Your order :C104747

MATERIAL Hot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL90X10 L.6m	CM118889	0.10	0.51	0.15	0.031	0.026	0.158	0.010	0.14	0.46	0.025	0.002	0.262	318	460	40.3	GREEN				2007
S275 JR+AR FL90X10 L.6m	CM118889	0.10	0.51	0.15	0.031	0.026	0.158	0.010	0.14	0.46	0.025	0.002	0.262	310	448	40.3					
S275 JR+AR FL90X10 L.6m	CM118889	0.10	0.51	0.15	0.031	0.026	0.158	0.010	0.14	0.46	0.025	0.002	0.262	318	462	39.7					

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

Steel making process -
Electric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 21.08.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a true copy of the manufacturers test certificate held in our possession

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 90 x 10 mm Size: 6,400 Colour: GREEN

:ELSA STEEL UK
:FFICES: Build. 58, Castle Works, East Moors Road
:F24 5NN Cardiff (United Kingdom)

CELSA GROUP

CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

tandard
S-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number:2550112938
Order number :15690082
Your order :C103481

MATERIAL lot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL130X10 L.6m	CM118575	0.11	0.58	0.16	0.026	0.020	0.089	0.009	0.12	0.41	0.019	0.002	0.259	313	450	37.2					
S275 JR+AR FL130X10 L.6m	CM118575	0.11	0.58	0.16	0.026	0.020	0.089	0.009	0.12	0.41	0.019	0.002	0.259	294	446	37.2					
S275 JR+AR FL130X10 L.6m	CM118575	0.11	0.58	0.16	0.026	0.020	0.089	0.009	0.12	0.41	0.019	0.002	0.259	313	451	37.7					
S275 JR+AR FL130X10 L.6m	CM118575	0.11	0.58	0.16	0.026	0.020	0.089	0.009	0.12	0.41	0.019	0.002	0.259	312	448	37.7					

GD

197484

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

teel making process -
lectric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 08.05.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a true copy of the Steel Makers test certificate held in our possession

Customer; WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref; WSL10138
Product; Flats 130 x 10 mm Size; 6.400 Colour; GOLD

ELSA STEEL UK
FFICES: Build. 58, Castle Works, East Moors Road
F24 5NN Cardiff (United Kingdom)

CELSA GROUP CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

tandard
S-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number: 2550131870
Order number :15695466
Your order :C105320

MATERIAL lot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL150X10 L.6m	CM122309	0.12	0.53	0.15	0.019	0.033	0.155	0.011	0.15	0.48	0.025	0.002	0.282	332	468	36.3					
S275 JR+AR FL150X10 L.6m	CM122309	0.12	0.53	0.15	0.019	0.033	0.155	0.011	0.15	0.48	0.025	0.002	0.282	314	469	36.2					
S275 JR+AR FL150X10 L.6m	CM122309	0.12	0.53	0.15	0.019	0.033	0.155	0.011	0.15	0.48	0.025	0.002	0.282	329	471	36.2					
S275 JR+AR FL150X10 L.6m	CM122309	0.12	0.53	0.15	0.019	0.033	0.155	0.011	0.15	0.48	0.025	0.002	0.282	344	470	36.3					
S275 JR+AR FL150X10 L.6m	CM122310	0.11	0.56	0.16	0.022	0.030	0.146	0.012	0.14	0.44	0.025	0.002	0.275	342	472	36.9					
S275 JR+AR FL150X10 L.6m	CM122310	0.11	0.56	0.16	0.022	0.030	0.146	0.012	0.14	0.44	0.025	0.002	0.275	320	472	36.3					
S275 JR+AR FL150X10 L.6m	CM122310	0.11	0.56	0.16	0.022	0.030	0.146	0.012	0.14	0.44	0.025	0.002	0.275	326	470	36.4					
S275 JR+AR FL150X10 L.6m	CM122310	0.11	0.56	0.16	0.022	0.030	0.146	0.012	0.14	0.44	0.025	0.002	0.275	340	472	36.4					
S275 JR+AR FL150X10 L.6m	CM122311	0.10	0.57	0.16	0.022	0.034	0.159	0.011	0.15	0.48	0.023	0.003	0.272	334	469	36.3					
S275 JR+AR FL150X10 L.6m	CM122311	0.10	0.57	0.16	0.022	0.034	0.159	0.011	0.15	0.48	0.023	0.003	0.272	288	423	35.1					
S275 JR+AR FL150X10 L.6m	CM122311	0.10	0.57	0.16	0.022	0.034	0.159	0.011	0.15	0.48	0.023	0.003	0.272	338	470	36.8					
S275 JR+AR FL150X10 L.6m	CM122311	0.10	0.57	0.16	0.022	0.034	0.159	0.011	0.15	0.48	0.023	0.003	0.272	282	423	36.1					

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

teel making process -
lectric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 03.10.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a true copy of the manufacturers test certificate held in our possession

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 150 x 10 mm Size: 6.400 Colour: ORANGE

ELSA STEEL UK
FFICES: Build. 58, Castle Works, East Moors Road
F24 5NN Cardiff (United Kingdom)

CELSA GROUP CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

tandard
S-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number: 2550131095
Order number : 15695269
Your order : C105238

MATERIAL lot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL160X15 L.6m	CM122110	0.10	0.54	0.15	0.023	0.021	0.132	0.010	0.13	0.37	0.018	0.002	0.248	307	454	34.0					
S275 JR+AR FL160X15 L.6m	CM122110	0.10	0.54	0.15	0.023	0.021	0.132	0.010	0.13	0.37	0.018	0.002	0.248	313	453	34.0					
S275 JR+AR FL160X15 L.6m	CM122110	0.10	0.54	0.15	0.023	0.021	0.132	0.010	0.13	0.37	0.018	0.002	0.248	313	451	33.5					
S275 JR+AR FL180X10 L.6m	CM121581	0.10	0.56	0.15	0.014	0.024	0.123	0.010	0.14	0.48	0.018	0.002	0.248	309	455	33.5					
S275 JR+AR FL180X10 L.6m	CM121581	0.10	0.56	0.15	0.014	0.024	0.123	0.010	0.14	0.48	0.018	0.002	0.265	302	442	40.9					
S275 JR+AR FL250X10 L.6m	CM120977	0.10	0.54	0.15	0.030	0.029	0.167	0.010	0.12	0.44	0.022	0.002	0.270	323	456	45.3					
S275 JR+AR FL250X10 L.6m	CM120977	0.10	0.54	0.15	0.030	0.029	0.167	0.010	0.12	0.44	0.022	0.002	0.270	311	451	46.0					
S275 JR+AR FL250X10 L.6m	CM120977	0.10	0.54	0.15	0.030	0.029	0.167	0.010	0.12	0.44	0.022	0.002	0.270	307	447	45.5					
S275 JR+AR FL300X10 L.6m	CM121145	0.10	0.55	0.15	0.023	0.031	0.150	0.012	0.14	0.50	0.028	0.001	0.271	304	445	44.5					
S275 JR+AR FL300X10 L.6m	CM121145	0.10	0.55	0.15	0.023	0.031	0.150	0.012	0.14	0.50	0.028	0.001	0.271	314	450	45.4					
S275 JR+AR FL300X10 L.6m	CM121145	0.10	0.55	0.15	0.023	0.031	0.150	0.012	0.14	0.50	0.028	0.001	0.271	316	447	44.6					
S275 JR+AR FL300X15 L.6m	CM121135	0.09	0.55	0.16	0.030	0.020	0.072	0.011	0.11	0.42	0.015	0.001	0.239	291	449	41.6					
S275 JR+AR FL300X15 L.6m	CM121135	0.09	0.55	0.16	0.030	0.020	0.072	0.011	0.11	0.42	0.015	0.001	0.239	300	450	41.6					

Blue

261412

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

teel making process -
lectric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 28.09.2018

Stuart Thomas
Quality Manager

We certify that this is a true copy of the manufacturers test certificate held in our possession

Customer; WELDRITE STRUCTURES LIMITED S/O No.; 714868 Cust Ref; WSI10138
Product; Flats 180 x 10 mm Size; 6.400 Colour; BLUE

CELSA STEEL UK
OFFICES: Build. 58, Castle Works, East Moors Road
CF24 5NN Cardiff (United Kingdom)

CELSA GROUP

CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

Standard
BS-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number:2550125894
Order number :15693874
Your order :C104747

MATERIAL Hot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL200X10 L.6m	CM121467	0.10	0.56	0.14	0.026	0.030	0.147	0.011	0.14	0.45	0.024	0.002	0.266	276	457	41.0	ORANGE				20087
S275 JR+AR FL200X10 L.6m	CM121467	0.10	0.56	0.14	0.026	0.030	0.147	0.011	0.14	0.45	0.024	0.002	0.266	316	451	40.1					
S275 JR+AR FL200X10 L.6m	CM121467	0.10	0.56	0.14	0.026	0.030	0.147	0.011	0.14	0.45	0.024	0.002	0.266	319	457	40.8					
S275 JR+AR FL200X10 L.6m	CM121468	0.10	0.56	0.14	0.025	0.029	0.146	0.011	0.14	0.48	0.023	0.002	0.263	306	436	40.6					
S275 JR+AR FL200X10 L.6m	CM121468	0.10	0.56	0.14	0.025	0.029	0.146	0.011	0.14	0.48	0.023	0.002	0.263	306	436	40.6					
S275 JR+AR FL200X10 L.6m	CM121468	0.10	0.56	0.14	0.025	0.029	0.146	0.011	0.14	0.48	0.023	0.002	0.263	313	454	40.3					
S275 JR+AR FL200X10 L.6m	CM121468	0.10	0.56	0.14	0.025	0.029	0.146	0.011	0.14	0.48	0.023	0.002	0.263	306	448	40.2					

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

Steel making process -
Electric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 21.08.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a true copy of the manufacturers test certificate held in our possession

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 200 x 10 mm Size: 6.400 Colour: ORANGE

CELSA STEEL UK
OFFICES: Build. 58, Castle Works, East Moors Road
CF24 5NN Cardiff (United Kingdom)

CELSA GROUP CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

Standard
BS-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number:2550124191
Order number :15693387
Your order :C104571

MATERIAL Hot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL160X20 L.6m	CM119802	0.10	0.55	0.15	0.020	0.015	0.053	0.012	0.13	0.42	0.018	0.001	0.245	287	433	31.9					
S275 JR+AR FL160X20 L.6m	CM119802	0.10	0.55	0.15	0.020	0.015	0.053	0.012	0.13	0.42	0.018	0.001	0.245	285	431	30.8					
S275 JR+AR FL250X10 L.6m	CM120972	0.10	0.54	0.16	0.034	0.028	0.158	0.011	0.14	0.46	0.020	0.001	0.268	314	449	46.1	ORN				200101
S275 JR+AR FL250X10 L.6m	CM120972	0.10	0.54	0.16	0.034	0.028	0.158	0.011	0.14	0.46	0.020	0.001	0.268	318	454	45.4					
S275 JR+AR FL250X10 L.6m	CM120972	0.10	0.54	0.16	0.034	0.028	0.158	0.011	0.14	0.46	0.020	0.001	0.268	321	455	46.4					
S275 JR+AR FL250X15 L.6m	CM121164	0.10	0.54	0.15	0.028	0.031	0.135	0.011	0.13	0.48	0.017	0.001	0.259	304	433	43.1					
S275 JR+AR FL250X15 L.6m	CM121164	0.10	0.54	0.15	0.028	0.031	0.135	0.011	0.13	0.48	0.017	0.001	0.259	304	433	42.4					
S275 JR+AR FL250X15 L.6m	CM121164	0.10	0.54	0.15	0.028	0.031	0.135	0.011	0.13	0.48	0.017	0.001	0.259	303	447	42.2					
S275 JR+AR FL250X15 L.6m	CM121164	0.10	0.54	0.15	0.028	0.031	0.135	0.011	0.13	0.48	0.017	0.001	0.259	299	448	41.7					
S275 JR+AR FL250X6 L.6m	CM120965	0.11	0.56	0.15	0.008	0.014	0.146	0.007	0.14	0.51	0.021	0.001	0.275	321	459	49.8					
S275 JR+AR FL250X6 L.6m	CM120965	0.11	0.56	0.15	0.008	0.014	0.146	0.007	0.14	0.51	0.021	0.001	0.275	325	459	49.8					
S275 JR+AR FL250X6 L.6m	CM120965	0.11	0.56	0.15	0.008	0.014	0.146	0.007	0.14	0.51	0.021	0.001	0.275	325	459	49.8					
S275 JR+AR FL250X6 L.6m	CM120965	0.11	0.56	0.15	0.008	0.014	0.146	0.007	0.14	0.51	0.021	0.001	0.275	321	459	49.2					
S275 JR+AR FL250X8 L.6m	CM120966	0.10	0.55	0.16	0.016	0.022	0.157	0.007	0.14	0.49	0.023	0.001	0.267	322	453	48.8					
S275 JR+AR FL250X8 L.6m	CM120966	0.10	0.55	0.16	0.016	0.022	0.157	0.007	0.14	0.49	0.023	0.001	0.267	314	453	48.0					

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

Steel making process -
Electric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 13.08.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a true copy of the manufacturers test certificate held in our possession

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 250 x 10 mm Size: 6,400 Colour: ORANGE

ELSA STEEL UK
FFICES: Build. 58, Castle Works, East Moors Road
F24 5NN Cardiff (United Kingdom)

CELSA GROUP

CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

tandard
S-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number: 2550111713
Order number :15689672
Your order :C103339

MATERIAL lot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL130X12 L.6m	CM118655	0.10	0.57	0.16	0.029	0.018	0.064	0.008	0.12	0.45	0.017	0.002	0.250	289	448	36.5					
S275 JR+AR FL130X12 L.6m	CM118655	0.10	0.57	0.16	0.029	0.018	0.064	0.008	0.12	0.45	0.017	0.002	0.250	313	445	36.0					
S275 JR+AR FL130X15 L.6m	CM118589	0.10	0.55	0.15	0.018	0.018	0.098	0.007	0.10	0.33	0.016	0.002	0.247	310	445	34.5					
S275 JR+AR FL130X15 L.6m	CM118589	0.10	0.55	0.15	0.018	0.018	0.098	0.007	0.10	0.33	0.016	0.002	0.247	309	446	34.5					
S275 JR+AR FL130X6 L.6m	CM118654	0.09	0.54	0.15	0.029	0.019	0.053	0.011	0.13	0.50	0.019	0.001	0.238	335	466	41.3					
S275 JR+AR FL130X6 L.6m	CM118654	0.09	0.54	0.15	0.029	0.019	0.053	0.011	0.13	0.50	0.019	0.001	0.238	345	467	41.3					

19765

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

teel making process -
lectric arc

Certified that the material detailed hereon meets the
requirements of the specified standard.
Cardiff, 23.04.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a
true copy of the manufacturers
test certificate held in our
possession

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 130 x 12 mm Size: 6,400 Colour: PURPLE

ELSA STEEL UK
FFICES: Build. 58, Castle Works, East Moors Road
F24 5NN Cardiff (United Kingdom)

CELSA GROUP CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

tandard
S-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number:2550112933
Order number :15690082
Your order :C103481

MATERIAL lot rolled structural steel products Yellow	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL150X20 L.6m	CM118247	0.11	0.56	0.16	0.034	0.022	0.111	0.010	0.14	0.48	0.026	0.002	0.268	307	442	37.3					
S275 JR+AR FL150X20 L.6m	CM118247	0.11	0.56	0.16	0.034	0.022	0.111	0.010	0.14	0.48	0.026	0.002	0.268	305	444	35.5					
S275 JR+AR FL180X12 L.6m	CM118013	0.10	0.55	0.16	0.020	0.025	0.131	0.009	0.15	0.55	0.028	0.002	0.268	323	454	41.6					
S275 JR+AR FL180X12 L.6m	CM118013	0.10	0.55	0.16	0.020	0.025	0.131	0.009	0.15	0.55	0.028	0.002	0.268	336	454	42.0					
S275 JR+AR FL180X12 L.6m	CM118013	0.10	0.55	0.16	0.020	0.025	0.131	0.009	0.15	0.55	0.028	0.002	0.268	330	452	41.8					
S275 JR+AR FL180X12 L.6m	CM118014	0.10	0.54	0.12	0.010	0.025	0.124	0.009	0.14	0.55	0.026	0.001	0.267	342	454	37.9					
S275 JR+AR FL200X6 L.6m	CM119618	0.09	0.54	0.17	0.027	0.029	0.113	0.010	0.18	0.52	0.022	0.002	0.254	326	454	36.9					
S275 JR+AR FL200X6 L.6m	CM119618	0.09	0.54	0.17	0.027	0.029	0.113	0.010	0.18	0.52	0.022	0.002	0.254	326	453	43.1					
S275 JR+AR FL200X8 L.6m	CM117987	0.10	0.54	0.15	0.022	0.029	0.127	0.010	0.13	0.44	0.019	0.002	0.262	331	462	44.5					
S275 JR+AR FL200X8 L.6m	CM117988	0.10	0.56	0.16	0.031	0.035	0.140	0.011	0.13	0.49	0.018	0.002	0.264	317	454	44.9					
S275 JR+AR FL200X8 L.6m	CM117988	0.10	0.56	0.16	0.031	0.035	0.140	0.011	0.13	0.49	0.018	0.002	0.264	328	460	43.7					
S275 JR+AR FL200X8 L.6m	CM117988	0.10	0.56	0.16	0.031	0.035	0.140	0.011	0.13	0.49	0.018	0.002	0.264	329	462	44.0					

ne materials has been evaluated and radiation is within national limits
roduct suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

el making process -
ctric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 02.05.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a true copy of the manufacturers test certificate held in our possession JC 4/5

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 180 x 12 mm Size: 6,400 Colour: YELLOW

197348

Inspection Certificate

Consignee:

STAHL GERLAFINGEN
AFV BELTRAME GROUP
Stahl Gerlafingen AG
Postfach
CH-4563 Gerlafingen
CHE-105.859.757 MWST
www.stahl-gerlafingen.com - info@stahl-gerlafingen.com

Swiss TS

CE
0780
18
0780-CPD-52003

Inspection document no.: 80488308.01
Inspection certificate: EN 10204 - 3.1
Steel grade: S235JR/S275JR+AR
Material no.: 1.0038/1.0044

Confirmation of order: 169722
Purchase order: email 17.04.2018 dated 17.04.2018
by e-mail
Delivery note: 80488308

It.	Head of improveme	Article-No.	Description	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	Cu %	V %	Nb %	Ti %	Al %	Ca %	N ppm	CEV %
1	BE 982265	175881	WIDE FLAT 350x10 S235/275JR 6.1m	0.11	0.19	0.65	0.017	0.015	0.13	0.02	0.12	0.44	0.004	0.001	0.001	0.030		91	0.288
2	BE 984913	175881	WIDE FLAT 350x10 S235/275JR 6.1m	0.15	0.19	0.67	0.024	0.010	0.19	0.04	0.16	0.34	0.005	0.002	0.001	0.028		105	0.340
3	BE 984912	175882	WIDE FLAT 350x12 S235/275JR 6.1m	0.12	0.21	0.76	0.018	0.004	0.16	0.04	0.14	0.28	0.006	0.002	0.001	0.030		95	0.310
4	BE 984914	175882	WIDE FLAT 350x12 S235/275JR 6.1m	0.12	0.20	0.70	0.021	0.015	0.16	0.03	0.17	0.38	0.005	0.002	0.001	0.024		85	0.310

4L

It.	Cast	Origin	CE			Bundles / Coils	Weight t	Section mm2	Section %	Tensile test ReHMP	Rm MPa	Rm/Re	Agt %	A5.65 %		Ribs fR	Impact test Positio	K1 J	K2 J	K3 J	Aver. J	T°C
1	BE 982265	Gerlafingen	780			6				352	482			35.9								
2	BE 984913	Gerlafingen	780			4				365	509			34.3								
3	BE 984912	Gerlafingen	780			6				339	488			34.9								
4	BE 984914	Gerlafingen	780			4				318	459			34.6								

Mill and Pickles
We certify that this is a true copy of the manufacturers test certificate held in our possession

198308

Inspector	Factory Gerlafingen		Date 30.05.2018	Quality Assurance Dept. H.-J. Opatz

ustomer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
roduct: Flats 350 x 12mm Size: 6.400 Colour: YELLOW

ustomer: WELDRITE STRUCTURES LIMITED S/O No.: 7148698 Cust Ref: MSI10138
roduct: Flats 180 x 15 mm Size: 6,400 Colour: ORANGE

CELSA STEEL UK
OFFICES: Build. 58, Castle Works, East Moors Road
CF24 5NN Cardiff (United Kingdom)

CELSA GROUP CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

Standard
BS-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number: 2550118012
Order number :15691646
Your order :C104044

MATERIAL Hot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL180X10 L.6m	CM119625	0.09	0.47	0.14	0.035	0.026	0.095	0.011	0.12	0.41	0.017	0.001	0.224	322	451	33.8					
S275 JR+AR FL180X10 L.6m	CM119625	0.09	0.47	0.14	0.035	0.026	0.095	0.011	0.12	0.41	0.017	0.001	0.224	318	450	33.5					
S275 JR+AR FL180X10 L.6m	CM119625	0.09	0.47	0.14	0.035	0.026	0.095	0.011	0.12	0.41	0.017	0.001	0.224	324	458	33.9					
S275 JR+AR FL180X10 L.6m	CM119628	0.10	0.56	0.15	0.028	0.026	0.127	0.010	0.14	0.41	0.019	0.001	0.263	319	462	33.2					
S275 JR+AR FL180X10 L.6m	CM119628	0.10	0.56	0.15	0.028	0.026	0.127	0.010	0.14	0.41	0.019	0.001	0.263	314	460	33.8					
S275 JR+AR FL180X15 L.6m	CM119626	0.08	0.50	0.14	0.035	0.026	0.086	0.010	0.12	0.40	0.018	0.001	0.218	310	441	37.3					
S275 JR+AR FL180X15 L.6m	CM119626	0.08	0.50	0.14	0.035	0.026	0.086	0.010	0.12	0.40	0.018	0.001	0.218	310	441	37.3					
S275 JR+AR FL180X15 L.6m	CM119626	0.08	0.50	0.14	0.035	0.026	0.086	0.010	0.12	0.40	0.018	0.001	0.218	316	448	37.1					
S275 JR+AR FL180X20 L.6m	CM117997	0.15	0.57	0.18	0.027	0.020	0.122	0.000	0.12	0.48	0.027	0.001	0.319	316	483	37.6					
S275 JR+AR FL180X20 L.6m	CM117997	0.15	0.57	0.18	0.027	0.020	0.122	0.000	0.12	0.48	0.027	0.001	0.319	324	484	36.6					
S275 JR+AR FL180X8 L.6m	CM119599	0.09	0.52	0.16	0.025	0.022	0.119	0.011	0.14	0.43	0.017	0.002	0.239	313	483	37.2					
S275 JR+AR FL180X8 L.6m	CM119599	0.09	0.52	0.16	0.025	0.022	0.119	0.011	0.14	0.43	0.017	0.002	0.239	309	447	40.3					
S275 JR+AR FL180X8 L.6m	CM119599	0.09	0.52	0.16	0.025	0.022	0.119	0.011	0.14	0.43	0.017	0.002	0.239	312	441	42.0					
S275 JR+AR FL180X8 L.6m	CM119599	0.09	0.52	0.16	0.025	0.022	0.119	0.011	0.14	0.43	0.017	0.002	0.239	313	446	41.4					
														320	454	41.3					14673

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

Steel making process -
Electric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 25.06.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a true copy of the manufacturers mill certificate held in our possession

.SA STEEL UK
'ICES: Build. 58, Castle Works, East Moors Road
:4 5NN Cardiff (United Kingdom)

CELSA GROUP CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

andard
-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number: 2550130012
Order number :15694982
Your order :C105161

TERIAL l rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
75 JR+AR FL200X12 L.6m	CM121461	0.08	0.53	0.15	0.029	0.029	0.142	0.010	0.13	0.48	0.020	0.002	0.246	306	430	46.0					
75 JR+AR FL200X12 L.6m	CM121461	0.08	0.53	0.15	0.029	0.029	0.142	0.010	0.13	0.48	0.020	0.002	0.246	312	443	38.9					
75 JR+AR FL200X12 L.6m	CM121461	0.08	0.53	0.15	0.029	0.029	0.142	0.010	0.13	0.48	0.020	0.002	0.246	315	445	38.8					
75 JR+AR FL200X12 L.6m	CM121461	0.08	0.53	0.15	0.029	0.029	0.142	0.010	0.13	0.48	0.020	0.002	0.246	312	441	39.2					
75 JR+AR FL200X6 L.6m	CM121478	0.10	0.53	0.14	0.029	0.027	0.114	0.010	0.13	0.46	0.018	0.002	0.256	323	442	45.3					
75 JR+AR FL200X6 L.6m	CM121478	0.10	0.53	0.14	0.029	0.027	0.114	0.010	0.13	0.46	0.018	0.002	0.256	322	453	44.2					
75 JR+AR FL200X6 L.6m	CM121478	0.10	0.53	0.14	0.029	0.027	0.114	0.010	0.13	0.46	0.018	0.002	0.256	289	427	44.0					
75 JR+AR FL200X6 L.6m	CM121478	0.10	0.53	0.14	0.029	0.027	0.114	0.010	0.13	0.46	0.018	0.002	0.256	314	438	44.4					
75 JR+AR FL220X10 L.6m	CM121428	0.09	0.53	0.15	0.021	0.011	0.099	0.012	0.12	0.41	0.016	0.002	0.240	320	460	45.4					
75 JR+AR FL220X10 L.6m	CM121428	0.09	0.53	0.15	0.021	0.011	0.099	0.012	0.12	0.41	0.016	0.002	0.240	305	452	47.9					
75 JR+AR FL220X10 L.6m	CM121428	0.09	0.53	0.15	0.021	0.011	0.099	0.012	0.12	0.41	0.016	0.002	0.240	317	451	48.2					
75 JR+AR FL220X15 L.6m	CM121421	0.10	0.52	0.15	0.016	0.019	0.114	0.011	0.13	0.49	0.019	0.001	0.255	302	444	43.1					
75 JR+AR FL220X15 L.6m	CM121421	0.10	0.52	0.15	0.016	0.019	0.114	0.011	0.13	0.49	0.019	0.001	0.255	351	513	44.0					
75 JR+AR FL220X15 L.6m	CM121421	0.10	0.52	0.15	0.016	0.019	0.114	0.011	0.13	0.49	0.019	0.001	0.255	297	438	44.0					
75 JR+AR FL220X15 L.6m	CM121421	0.10	0.52	0.15	0.016	0.019	0.114	0.011	0.13	0.49	0.019	0.001	0.255	300	446	43.4					

e materials has been evaluated and radiation is within national limits
oduct suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

el making process -
ctric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 21.09.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a true copy of the manufacturers test certificate held in our possession

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 220 x 15 mm Size: 6,400 Colour: YELLOW

CELSA STEEL UK
OFFICES: Build. 58, Castle Works, East Moors Road
CF24 5NN Cardiff (United Kingdom)

CELSA GROUP CELSA MANUFACTURING UK

CE
LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

Standard
BS-EN 10025-2004

Customer:
HALL & PICKLES 1812 LIMITED
POYNTON IND EST, LONDON ROAD,
SK12 1NB STOCKPORT CHESHIRE
United Kingdom

Destination:
HALL & PICKLES 1812 LIMITED
CROSSKEYS DIV. , BLACKVEIN IND EST
NP11 7PX WATTSVILLE, CROSSKEYS
United Kingdom

Delivery number: 2550124191
Order number : 15693387
Your order : C104571

MATERIAL Hot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL160X20 L.6m	CM119802	0.10	0.55	0.15	0.020	0.015	0.053	0.012	0.13	0.42	0.018	0.001	0.245	287	433	31.9					
S275 JR+AR FL150X20 L.6m	CM119802	0.10	0.55	0.15	0.020	0.015	0.053	0.012	0.13	0.42	0.018	0.001	0.245	285	431	30.8					
S275 JR+AR FL250X10 L.6m	CM120972	0.10	0.54	0.16	0.034	0.028	0.158	0.011	0.14	0.46	0.020	0.001	0.268	314	449	46.1					
S275 JR+AR FL250X10 L.6m	CM120972	0.10	0.54	0.16	0.034	0.028	0.158	0.011	0.14	0.46	0.020	0.001	0.268	318	454	45.4					
S275 JR+AR FL250X10 L.6m	CM120972	0.10	0.54	0.16	0.034	0.028	0.158	0.011	0.14	0.46	0.020	0.001	0.268	321	455	46.4	P0K				20010
S275 JR+AR FL250X15 L.6m	CM121164	0.10	0.54	0.15	0.028	0.031	0.135	0.011	0.13	0.48	0.017	0.001	0.259	304	433	43.1					
S275 JR+AR FL250X15 L.6m	CM121164	0.10	0.54	0.15	0.028	0.031	0.135	0.011	0.13	0.48	0.017	0.001	0.259	304	433	42.4					
S275 JR+AR FL250X15 L.6m	CM121164	0.10	0.54	0.15	0.028	0.031	0.135	0.011	0.13	0.48	0.017	0.001	0.259	303	447	42.2					
S275 JR+AR FL250X15 L.6m	CM121164	0.10	0.54	0.15	0.028	0.031	0.135	0.011	0.13	0.48	0.017	0.001	0.259	299	448	41.7					
S275 JR+AR FL250X6 L.6m	CM120965	0.11	0.56	0.15	0.008	0.014	0.146	0.007	0.14	0.51	0.021	0.001	0.275	321	459	49.8					
S275 JR+AR FL250X6 L.6m	CM120965	0.11	0.56	0.15	0.008	0.014	0.146	0.007	0.14	0.51	0.021	0.001	0.275	325	459	49.8					
S275 JR+AR FL250X6 L.6m	CM120965	0.11	0.56	0.15	0.008	0.014	0.146	0.007	0.14	0.51	0.021	0.001	0.275	325	459	49.8					
S275 JR+AR FL250X6 L.6m	CM120965	0.11	0.56	0.15	0.008	0.014	0.146	0.007	0.14	0.51	0.021	0.001	0.275	321	459	49.2					
S275 JR+AR FL250X8 L.6m	CM120966	0.10	0.55	0.16	0.016	0.022	0.157	0.007	0.14	0.49	0.023	0.001	0.267	322	453	48.8					
S275 JR+AR FL250X8 L.6m	CM120966	0.10	0.55	0.16	0.016	0.022	0.157	0.007	0.14	0.49	0.023	0.001	0.267	314	453	48.0					

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

Steel making process -
Electric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 13.08.2018

Stuart Thomas
Quality Manager

Hall and Pickles
We certify that this is a true copy of the manufacturers test certificate held in our possession

Customer: WELDRITE STRUCTURES LIMITED S/O No.: 714868 Cust Ref: WSL10138
Product: Flats 250 x 15mm Size: 6,400 Colour: PURPLE