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Factory: 63, Jungbong-Daero, Dong-gu, Incheon, S. Korea

Certificate No. IH20211105135-7

Class certificate No. 2021-11-30

Issue date

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

Contract No.	
Customer	
PO No.	SSW121805
L/C No.	
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G40.21-13 50MM(3.5MM)

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition											Tensile Test	Yield Ratio	BEND TEST	Impact Test(I)			Remarks (Impact Specimen Size)												
																			V-Notch															
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V				Nb	N	CE _T		Tensile Strength	Yield Strength	Elongation	AVG	1	2	3					
8X5-1/4X18	50.00 FT D 169810		16	6,528	16	14	61	27	4	22	9	2	20	3	2	15	101	33	548	433	25.0	0.791												
8X5-1/4X18	55.00 FT D 169801		24	10,776	16	14	60	22	9	21	8	2	16	3	1	15	89	32	547	419	26.4	0.766												
8X5-1/4X18	55.00 FT D 169804		8	3,592	16	14	62	17	9	19	9	3	14	2	1	15	90	32	533	403	27.8	0.757												
8X5-1/4X18	60.00 FT D 169802		8	3,920	17	15	65	27	11	24	9	2	17	3	2	15	80	34	521	405	26.0	0.778												
8X5-1/4X18	60.00 FT D 169809		16	7,840	16	14	61	33	9	26	11	2	22	3	3	17	107	33	539	421	26.0	0.782												
8X5-1/4X18	60.00 FT D 169810		8	3,920	16	14	61	27	4	22	9	2	20	3	2	15	101	33	548	433	25.0	0.791												
8X5-1/4X18	60.00 FT D 169811		16	7,840	17	13	61	27	9	23	10	2	24	3	2	17	96	35	534	424	26.0	0.795												
8X5-1/4X21	35.00 FT D 169798		30	9,990	16	16	62	34	10	22	9	2	25	3	2	16	84	34	551	418	26.0	0.759												
8X5-1/4X21	40.00 FT D 169798		16	6,096	16	16	62	34	10	22	9	2	25	3	2	16	84	34	551	418	26.0	0.759												
8X5-1/4X21	40.00 FT D 169799		24	9,144	17	13	62	27	10	21	10	2	21	3	2	15	89	34	546	411	26.5	0.753												
SUB TOTAL			166	69,646															536	433	25.5	0.807												

===== NEXT =====

Note
Melted and Poured in Republic of Korea

(1) Ceq: (CE=C+(Cr+V+Mo)/5+(Cu+Nj)/15+Mn/6)
 (2) Gauge length: 200 mm
 (3) Y.R. = Y.S/T.S

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER.

2021.11.30.11:05:50

General Manager of Q.A Team

HMS 1102(A)-3a A4(2)10297)

Date: 3/4/2024 To: SENTRY SUPPLY dba SO#: A808172 Ln#: 1 PO#: PO247494-1 Part: W0802140* Qty: 8 Heat#: d175100* Tag: B07030424

Contract No.	
Customer	HYUNDAI CORPORATION
PO No.	462211ASV1
L/C No.	
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G40.21-13 50MM(345MM)

INSPECTION CERTIFICATE
EN 10204(2004) TYPE 3.1

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20221105452-4
Class certificate No.	
Issue date	2022-12-01

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition													Tensile Test			Impact Test(L)			Remarks (Impact Specimen Size)
					C Mn P S Cu Ni Mo Cr Al V Nb N													Yield Ratio	BEND TEST	V-Notch				
					C	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N	CE _{in}			Tensile Strength	Yield Strength	Elongation	AVG	
8X4X15	50.00 FT	D 174844	12	4,080	16	15	62	28	3	25	10	2	26	5	3	15	97	34	0.767	-	-	-	-	
8X4X15	50.00 FT	D 174845	24	8,160	16	13	61	28	4	24	11	2	20	3	2	17	114	33	0.765	-	-	-	-	
8X5-1/4X18	40.00 FT	D 175070	56	18,312	17	15	62	29	5	21	10	2	20	4	2	17	117	34	0.751	-	-	-	-	
8X5-1/4X18	40.00 FT	D 175071	80	26,160	17	15	60	23	5	25	9	2	13	4	1	16	133	32	0.759	-	-	-	-	
8X5-1/4X18	60.00 FT	D 174628	14	6,860	16	15	61	29	7	25	9	2	11	3	1	15	108	31	0.764	-	-	-	-	
8X5-1/4X18	60.00 FT	D 175096	40	19,600	16	15	64	25	9	25	9	2	22	3	2	16	113	34	0.770	-	-	-	-	
8X5-1/4X21	40.00 FT	D 175099	48	18,288	17	13	59	23	9	23	9	2	11	3	1	15	122	32	0.761	-	-	-	-	
8X5-1/4X21	40.00 FT	D 175100	8	3,048	16	14	62	25	10	21	9	2	11	3	2	16	120	31	0.765	-	-	-	-	
8X5-1/4X21	60.00 FT	D 175100	32	18,272	16	14	62	25	10	21	9	2	11	3	2	16	120	31	0.755	-	-	-	-	
8X6-1/2X24	50.00 FT	D 174859	16	8,704	18	15	61	27	6	24	9	2	17	5	2	18	123	34	0.753	-	-	-	-	
SUB TOTAL			330	131,484																				

Note: Melted and Poured in Republic of Korea
(1) Ceq: (C+(Cr+V+Mo)/5+(Cu+Ni)/15+Mn)/6
(2) Gauge length : 200 mm
(3) Y.R = Y.S/T.S


WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER.

General Manager of Q.A Team
HMS 1102(A)-3a A4(210x297)

J. E. Han


This test report can be verified the authenticity to scan the top-right QR code via 'Qreal' mobile app. 2022.12.05.17:19:06

***** N E X T *****

 STAHLWERK THÜRINGEN	<div style="text-align: right;">1/5</div> <p>Certificate No. 1902/1-2023 Advice No.</p> <p>Test Report</p> <p>according to ASTM A6</p> <p style="text-align: center;">SWT</p> <p>Tata International Metals (Americas) Limited 475 Suite 450, North Martingale Road Schaumburg 60173 USA</p>
<p>A01 Stahlwerk Thüringen GmbH</p> <p>A05 Quality Assurance Department Kronacher Straße 6 07333 Unterwellenborn Germany</p>	<p>A04 A06</p>
<p>A08 Our Order No.: 20023689</p> <p>A07 Your Order No.: PUR3002026.v1 Houston_Lot 3</p>	
<p>B02 Quality: GRADE 50 TRI according to: CSA G40.21 50W/ASTM A572 GRADE 50/A992 (TRIPLE CERTIFIED)</p>	

Pos.	Heat No.	Section	According to	Length	Pieces	Theoretical Weight
A10	B07	B01		B09	B08	B12
1	65349	W 4X4X13	ASTM A6/A6M	12,192 mm	60	14,154 kg
2	64396	W 6X4X9	ASTM A6/A6M	12,192 mm	36	5,878 kg
2	64398	W 6X4X9	ASTM A6/A6M	12,192 mm	11	1,796 kg
2	64409	W 6X4X9	ASTM A6/A6M	12,192 mm	10	1,633 kg
3	64399	W 6X4X12	ASTM A6/A6M	12,192 mm	48	10,450 kg
4	64667	W 6X6X15	ASTM A6/A6M	12,192 mm	76	20,685 kg
5	64667	W 6X6X15	ASTM A6/A6M	15,240 mm	32	10,886 kg
6	64684	W 6X6X25	ASTM A6/A6M	12,192 mm	8	3,629 kg
7	64931	W 8X4X10	ASTM A6/A6M	12,192 mm	55	9,980 kg
8	64930	W 8X4X10	ASTM A6/A6M	15,240 mm	40	9,072 kg
9	64930	W 8X4X10	ASTM A6/A6M	18,288 mm	40	10,886 kg
10	64926	W 8X4X13	ASTM A6/A6M	12,192 mm	42	9,906 kg
11	64898	W 8X4X15	ASTM A6/A6M	12,192 mm	42	11,431 kg
12	64614	W 8X5,25X18	ASTM A6/A6M	12,192 mm	45	14,697 kg
12	64615	W 8X5,25X18	ASTM A6/A6M	12,192 mm	10	3,266 kg
13	64615	W 8X5,25X18	ASTM A6/A6M	15,240 mm	25	10,205 kg
14	64629	W 8X5,25X21	ASTM A6/A6M	12,192 mm	30	11,430 kg
15	64772	W 8X6,5X24	ASTM A6/A6M	15,240 mm	20	10,887 kg
16	64770	W 8X6,5X28	ASTM A6/A6M	18,288 mm	15	11,430 kg
17	65071	W 8X8X31	ASTM A6/A6M	12,192 mm	32	18,000 kg
18	65068	W 8X8X31	ASTM A6/A6M	15,240 mm	12	8,436 kg
18	65069	W 8X8X31	ASTM A6/A6M	15,240 mm	12	8,436 kg
19	65068	W 8X8X31	ASTM A6/A6M	16,764 mm	12	9,280 kg
20	65068	W 8X8X31	ASTM A6/A6M	18,288 mm	12	10,125 kg
21	65048	W 8X8X35	ASTM A6/A6M	18,288 mm	10	9,525 kg
22	65047	W 8X8X40	ASTM A6/A6M	18,288 mm	8	8,710 kg
23	65473	W 10X5,75X22	ASTM A6/A6M	15,240 mm	10	4,990 kg
23	65474	W 10X5,75X22	ASTM A6/A6M	15,240 mm	10	4,990 kg
24	65472	W 10X5,75X22	ASTM A6/A6M	18,288 mm	24	14,370 kg
25	65450	W 10X5,75X30	ASTM A6/A6M	12,192 mm	18	9,799 kg
26	65547	W 16X7X36	ASTM A6/A6M	12,192 mm	16	10,451 kg

Z03 Works inspector
René Merbach





A03 Certificate No. 1902/1-2023
 Advice No. 2/5
A02 Test Report
 according to ASTM A6
SWT

A01 Stahlwerk Thüringen GmbH
A05 Quality Assurance Department
 Kronacher Straße 6
 07333 Unterwellenborn
 Germany

A08 Our Order No.: 20023689
A07 Your Order No.: PUR3002026.v1
 Houston_Lot 3



A04
A06
SWT
 Tata International Metals
 (Americas) Limited
 475 Suite 450, North Martingale Road
 Schaumburg 60173
 USA

B02 Quality: GRADE 50 TRI
 according to: CSA G40.21 50W/ASTM
 A572 GRADE 50/A992
 (TRIPLE CERTIFIED)

Heat Analysis [%]

Heat No.	C	Si	Mn	P	S	N	Nb	V	Cr	Cu
B07	C71	C72	C73	C74	C75	C76	C78	C79	C80	C81
max	0.23	0.40	1.50	0.035	0.045	0.015	0.050	0.100	0.35	0.60
min		0.10	0.50				0.005			
64396	0.08	0.19	0.94	0.019	0.023	0.008	0.018	0.006	0.10	0.30
64398	0.08	0.20	1.46	0.017	0.019	0.009	0.040	0.008	0.09	0.29
64399	0.08	0.21	1.41	0.020	0.015	0.009	0.037	0.007	0.09	0.31
64409	0.08	0.20	1.43	0.018	0.019	0.008	0.039	0.008	0.09	0.34
64614	0.07	0.20	0.91	0.018	0.026	0.007	0.019	0.005	0.07	0.31
64615	0.08	0.19	0.92	0.017	0.024	0.007	0.019	0.006	0.08	0.29
64629	0.10	0.20	0.94	0.021	0.019	0.009	0.019	0.006	0.12	0.36
64667	0.09	0.19	0.93	0.018	0.025	0.008	0.020	0.006	0.09	0.31
64684	0.08	0.19	0.92	0.015	0.020	0.009	0.018	0.005	0.10	0.35
64770	0.09	0.20	0.93	0.019	0.016	0.008	0.020	0.006	0.10	0.33
64772	0.08	0.19	0.92	0.015	0.020	0.009	0.018	0.005	0.10	0.35
64898	0.09	0.21	0.93	0.014	0.025	0.008	0.019	0.005	0.11	0.30
64926	0.08	0.20	0.94	0.016	0.023	0.008	0.021	0.006	0.10	0.49
64930	0.09	0.19	0.93	0.022	0.034	0.007	0.020	0.006	0.08	0.32
64931	0.08	0.20	0.94	0.019	0.029	0.008	0.020	0.006	0.08	0.29
65047	0.09	0.20	0.93	0.018	0.025	0.009	0.021	0.006	0.08	0.32
65048	0.08	0.19	0.93	0.016	0.031	0.008	0.019	0.005	0.07	0.33
65068	0.08	0.21	0.93	0.018	0.026	0.009	0.019	0.005	0.08	0.44
65069	0.08	0.21	0.95	0.017	0.026	0.008	0.020	0.005	0.08	0.31
65071	0.08	0.21	0.95	0.021	0.028	0.008	0.019	0.005	0.07	0.34
65349	0.08	0.17	0.92	0.015	0.027	0.008	0.018	0.005	0.07	0.32
65450	0.08	0.21	0.95	0.017	0.023	0.007	0.020	0.005	0.06	0.26
65472	0.08	0.20	0.92	0.017	0.027	0.009	0.019	0.005	0.08	0.31
65473	0.08	0.22	0.95	0.019	0.031	0.006	0.022	0.006	0.09	0.31
65474	0.09	0.21	0.95	0.019	0.029	0.008	0.022	0.006	0.08	0.32
65547	0.08	0.20	0.95	0.018	0.020	0.008	0.020	0.005	0.07	0.31


Z03 Works inspector
 René Merbach



 STAHLWERK THÜRINGEN	<div style="text-align: right;">A03</div> Certificate No. 1902/1-2023 Advice No.
A01 Stahlwerk Thüringen GmbH A05 Quality Assurance Department Kronacher Straße 6 07333 Unterwellenborn Germany	<div style="text-align: right;">A02</div> Test Report according to ASTM A6
A08 Our Order No.: 20023689 A07 Your Order No.: PUR3002026.v1 Houston_Lot 3	<div style="text-align: right;">A04</div> <div style="text-align: right;">A06</div>  Tata International Metals (Americas) Limited 475 Suite 450, North Martingale Road Schaumburg 60173 USA
B02 Quality: GRADE 50 TRI according to: CSA G40.21 50W/ASTM A572 GRADE 50/A992 (TRIPLE CERTIFIED)	

Heat Analysis [%]

Heat No.	Ni	Mo	Sn	CEV	Nb+V	Mn/C
B07	C82	C83	C87	C93	C96	C99
max	0.45	0.15	0.050	0.45	0.100	2.0
min						
64396	0.16	0.04	0.014	0.30	0.024	11.8
64398	0.16	0.04	0.012	0.38	0.048	18.2
64399	0.13	0.02	0.013	0.37	0.044	17.6
64409	0.14	0.03	0.012	0.38	0.047	17.9
64614	0.13	0.03	0.012	0.27	0.024	13.0
64615	0.14	0.04	0.012	0.29	0.025	11.5
64629	0.15	0.03	0.014	0.32	0.025	9.4
64667	0.17	0.04	0.014	0.30	0.026	10.3
64684	0.14	0.03	0.013	0.29	0.023	11.5
64770	0.15	0.03	0.015	0.30	0.026	10.3
64772	0.14	0.03	0.013	0.29	0.023	11.5
64898	0.14	0.03	0.014	0.30	0.024	10.3
64926	0.18	0.04	0.015	0.31	0.027	11.8
64930	0.15	0.03	0.013	0.30	0.026	10.3
64931	0.13	0.02	0.013	0.29	0.026	11.8
65047	0.14	0.03	0.012	0.30	0.027	10.3
65048	0.14	0.03	0.013	0.29	0.024	11.6
65068	0.19	0.04	0.015	0.30	0.024	11.6
65069	0.14	0.03	0.012	0.29	0.025	11.9
65071	0.14	0.03	0.012	0.29	0.024	11.9
65349	0.14	0.03	0.014	0.28	0.023	11.5
65450	0.14	0.03	0.015	0.28	0.025	11.9
65472	0.15	0.04	0.013	0.29	0.024	11.5
65473	0.15	0.04	0.015	0.30	0.028	11.9
65474	0.17	0.04	0.016	0.31	0.028	10.6
65547	0.15	0.03	0.013	0.29	0.025	11.9

203 Works inspector
René Merbach





 STAHLWERK THÜRINGEN	<div style="text-align: right;">A03</div> <p>Certificate No. 1902/1-2023 Advice No.</p> <div style="text-align: right;">A02</div> <p>Test Report</p> <p>according to ASTM A6</p> <div style="text-align: center;">  </div> <div style="text-align: right;">A04 A06</div> <p>Tata International Metals (Americas) Limited 475 Suite 450, North Martingale Road Schaumburg 60173 USA</p>
<div style="text-align: right;">A01</div> <p>Stahlwerk Thüringen GmbH</p> <div style="text-align: right;">A05</div> <p>Quality Assurance Department Kronacher Straße 6 07333 Unterwellenborn Germany</p> <div style="text-align: right;">A08</div> <p>Our Order No.: 20023689</p> <div style="text-align: right;">A07</div> <p>Your Order No.: PUR3002026.v1 Houston_Lot 3</p>	
<div style="text-align: right;">B02</div> <p>Quality: GRADE 50 TRI according to: CSA G40.21 50W/ASTM A572 GRADE 50/A992 (TRIPLE CERTIFIED)</p>	

Tensile test (ISO 6892-1)				
Heat No.	Yield stress [PSI]	Tensile strength [PSI]	Elongation 2 in [%]	Ys/Ts
B07	C11	C12	C13	C14
max	65,000	95,000		0.85
min	50,000	65,000	21.0	
64396/1	61,206	71,939	35.6	0.85
64396/2	60,626	72,809	37.0	0.83
64398	64,252	79,336	33.0	0.81
64399/1	54,389	78,320	31.7	0.69
64399/2	55,259	77,740	34.3	0.71
64409	55,694	82,962	30.4	0.67
64614/1	59,030	71,359	38.3	0.83
64614/2	58,450	72,374	37.0	0.81
64615/1	58,160	70,778	39.6	0.82
64615/2	57,435	71,359	39.6	0.80
64629/1	55,114	74,114	38.3	0.74
64629/2	55,985	72,954	38.3	0.77
64667/1	62,366	73,824	34.3	0.84
64667/2	61,786	74,259	35.6	0.83
64684	59,901	72,084	38.3	0.83
64770/1	59,030	71,504	37.0	0.83
64770/2	58,160	70,633	38.3	0.82
64772/1	57,725	71,794	35.6	0.80
64772/2	58,305	70,633	37.0	0.83
64898/1	59,756	73,244	35.6	0.82
64898/2	58,885	72,519	37.0	0.81
64926/1	55,259	73,099	34.3	0.76
64926/2	55,985	72,519	35.6	0.77
64930/1	57,870	72,229	34.3	0.80
64930/2	58,305	72,954	35.6	0.80
64931/1	60,336	72,229	33.0	0.84
64931/2	59,465	72,664	34.3	0.82
65047/1	58,450	69,908	38.3	0.84
65047/2	57,870	70,633	39.6	0.82

z03 Works inspector
René Merbach



 STAHLWERK THÜRINGEN	<div style="text-align: right;">5/5</div> A03 Certificate No. 1902/1-2023 Advice No. A02 Test Report according to ASTM A6 <div style="text-align: center;">  </div>
A01 Stahlwerk Thüringen GmbH A05 Quality Assurance Department Kronacher Straße 6 07333 Unterwellenborn Germany	A04 A06 Tata International Metals (Americas) Limited 475 Suite 450, North Martingale Road Schaumburg 60173 USA
A06 Our Order No.: 20023689 A07 Your Order No.: PUR3002026.v1 Houston_Lot 3	
B02 Quality: GRADE 50 TRI according to: CSA G40.21 50W/ASTM A572 GRADE 50/A992 (TRIPLE CERTIFIED)	

Tensile test (ISO 6892-1)				
Heat No.	Yield stress [PSI]	Tensile strength [PSI]	Elongation 2 in [%]	Ys/Ts
B07	C11	C12	C13	C14
max	65,000	95,000		0.85
min	50,000	65,000	21.0	
65048/1	60,046	72,229	42.2	0.83
65048/2	59,465	72,809	40.9	0.82
65068/1	61,061	72,809	42.2	0.84
65068/2	60,481	73,389	40.9	0.82
65069/1	60,916	74,404	39.6	0.82
65069/2	60,336	73,824	39.6	0.82
65071/1	60,481	73,389	39.6	0.82
65071/2	59,756	73,824	39.6	0.81
65349/1	59,465	71,939	37.0	0.83
65349/2	59,175	72,664	38.3	0.81
65450/1	56,275	71,649	40.9	0.79
65450/2	57,000	72,229	40.9	0.79
65472/1	58,305	71,214	39.6	0.82
65472/2	57,725	71,939	39.6	0.80
65473	57,580	70,488	37.0	0.82
65474	59,175	70,923	37.0	0.83
65547/1	60,046	70,778	39.6	0.85
65547/2	59,611	71,504	39.6	0.83


Z01

- electric arc melting
- Melted & Manufactured in Germany

Material for galvanization. Si: 0.14% - 0.25%

We confirm herewith that the delivered material complies with the terms of the order.

Z03 Works inspector
René Merbach



Contract No.	
Customer	HYUNDAI CORPORATION
PO No.	462211ASV1
L/C No.	
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G40.21-13 50MM(345MM)

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20221105452-4
Class certificate No.	
Issue date	2022-12-01

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition											Tensile Test			Yield Ratio			BEND TEST			Impact Test (L)			Remarks (Impact Specimen Size)													
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N	CEq	Tensile Strength	Elongation	%	Yield Ratio	BEND TEST	V-Notch	AVG	1	2		3	°C											
8X4X15	50.00 FT	D 174844	12	4,080	16	15	62	28	3	25	10	2	26	5	3	15	97	34	531	407	26.4	0.767																			
8X4X15	50.00 FT	D 174845	24	8,160	16	13	61	28	4	24	11	2	20	3	2	17	114	33	534	408	26.2	0.765																			
8X5-1/4X18	40.00 FT	D 175070	56	18,312	17	15	62	29	5	21	10	2	20	4	2	17	117	34	541	413	26.1	0.764																			
8X5-1/4X18	40.00 FT	D 175071	80	26,160	17	15	60	23	5	25	9	2	13	4	1	16	133	32	550	421	25.2	0.766																			
8X5-1/4X18	60.00 FT	D 174628	14	6,860	16	15	61	29	7	25	9	2	11	3	1	5	108	31	543	418	25.9	0.770																			
8X5-1/4X18	60.00 FT	D 175096	40	19,600	16	15	64	25	9	25	9	2	22	3	2	16	113	34	546	415	25.5	0.761																			
8X5-1/4X21	40.00 FT	D 175099	48	18,288	17	13	59	23	9	23	9	2	11	3	1	15	122	32	537	403	27.8	0.751																			
8X5-1/4X21	40.00 FT	D 175100	8	3,048	16	14	62	25	10	21	9	2	11	3	2	16	120	31	534	406	24.8	0.761																			
8X5-1/4X21	60.00 FT	D 175100	32	18,272	16	14	62	25	10	21	9	2	11	3	2	16	120	31	533	402	27.5	0.755																			
8X6-1/2X24	50.00 FT	D 174859	16	8,704	18	15	61	27	6	24	9	2	17	5	2	18	123	34	528	399	24.5	0.756																			
SUB TOTAL			330	131,484															531	399	26.5	0.752																			

***** N E X T *****

Note
 Melted and Poured in Republic of Korea
 (1) Ceq: (C+(Cr+V+Mo)/5+(Cu+Ni)/15+Mn)/6
 (2) Gauge length : 200 mm
 (3) Y.R = Y.S/L.S

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER.

J. E. Han

General Manager of Q.A Team