



TATA STEEL UK LIMITED
P.O. Box 29, Redcar,
Teesside, TS10 5RD,
Telephone: 01642 404040
Telex: 587401

A01

INSPECTION CERTIFICATE

A02

Date	21/ 5/15	Z02
Cert No.	LHSM/15/00097180/1	A03
Ship:	STRATEGIC ENDEAVOR	

In Accordance with EN10204 3.1
Product manufactured under a Management System approved to ISO 9001

Customer A06 TATA STEEL INT (AMERICAS) INC (FORTACERO) CONSTR. STRUCT. 475 NORTH MARTINGALE ROAD SUITE 400 SCHAUMBURG ILLINOIS 60173-2222 U.S.A.	CSI: 3143597	Tata Steel Ref. No. A08 142505X/ 25	Works Order/Item No. A08 142505/ 25
	Inspection A11 WORKS INSPECTION	Customers Order No. A07 H-PUR1014823.V1	
		Specification/Product B01/B02 ASTM A992 / ASTM A572 GRADE 50	
			W COLUMN 14 X 16 X 159 LB/FT As Rolled. KILLED STEEL MANUFACTURED IN THE UK B09-B12

B06/A10 FORTACERO

PO#4500122392 DISCHARGE:ALTAMIRA

Item/Mark Numbers	Quantity	Length	Cast/Heat No.	Piece No.	Yield Stress Re	Tensile Strength Rm	Elong% A Lo	Charpy Impact C13	C40	Steelmaking Process: C70																
										B.O.S.																
									ANALYSIS % C71-92																	
									C41	C42	C43	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Nb	Sn	N	V	CEV	
									Units	Av.																
Specification					Min	50000	65000	18				.000	.100	.50	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.450
Max					65000							.180	.400	1.60	.035	.045	.350	.150	.450	.600	.050		.0150	.150		.450
5	1	40' 0 0"	87760	522002	53081	73096	29					.12	.200	1.40	.012	.016	.013	.002	.016	.012	.034	.003	.004	.003		.36
5	1	12.192m	87760	521996	53517	73531	31					.12	.200	1.40	.012	.016	.013	.002	.016	.012	.034	.003	.004	.003		.36
8	1	12.192m	87762	522000	53952	74111	28					.12	.220	1.43	.011	.017	.012	.002	.016	.010	.032	.001	.005	.003		.36
8	1	12.192m	87762	522001	52791	74111	27					.12	.220	1.43	.011	.017	.012	.002	.016	.010	.032	.001	.005	.003		.36
8	1	12.192m	87763	521997	55547	74401	27					.13	.220	1.42	.014	.018	.014	.001	.017	.012	.032	.004	.004	.004		.37
2	1	12.192m	87763	522006	52646	74401	31					.13	.220	1.42	.014	.018	.014	.001	.017	.012	.032	.004	.004	.004		.37
8	1	12.192m	87775	521999	53807	75271	28					.14	.210	1.44	.016	.018	.017	.002	.018	.015	.033	.002	.003	.004		.39
8	1	12.192m	87775	522003	53807	75271	28					.14	.210	1.44	.016	.018	.017	.002	.018	.015	.033	.002	.003	.004		.39
8	1	12.192m	87775	522004	53807	75271	28					.14	.210	1.44	.016	.018	.017	.002	.018	.015	.033	.002	.003	.004		.39
8	1	12.192m	87775	522005	53807	75271	28					.14	.210	1.44	.016	.018	.017	.002	.018	.015	.033	.002	.003	.004		.39
8	1	12.192m	87775	521998	53372	74401	29					.14	.210	1.44	.016	.018	.017	.002	.018	.015	.033	.002	.003	.004		.39
76	Pieces in Total																									

SUPPLIED IN COMPLIANCE WITH
CONSTRUCTION@TATASTEEL.COM

ASTM A6

MANUFACTURED IN THE UK

On behalf of Tata Steel UK Limited, the manufacturer.
These results are certified by Tata Steel UK Limited and comply
with the requirements of the Product Description.

Z01

N. Dodds, Test House Manager, Teesside

STRATEGIC ENDEAVOR

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Z02