






INSPECTION CERTIFICATE 3.1 To: EN 10204		 COLUMBUS STAINLESS (Pty) Ltd Columbus Stainless (Pty) Ltd P O Box 133 Middelburg 1030 South Africa Switchboard: +27 13 247 9111 Fax: +27 13 246 1681 Website: http://www.columbus.co.za A Subsidiary of ACERINOX, S.A.		 Authorised Representative EC REP Acerinox Europa, S.A.U. C/ Santiago de Compostela no 100. 28035 Madrid Spain ZA 0045 13 0045-CPR-1805 Tel: 91 398 51 00 / 91 398 51 02 Corrosion Resistant Steel for building construction or civil engineering. Regulated substances: No performance determined		No. 2856129 - 1 1 / 1 Date 2015/05/11 MANUFACTURER'S MARK  MELTING PROCESS E/AOD									
CUSTOMER BE GROUP OY LOTILA KIRKKAAT/OVET 5-7/ VANHANRADANKATU 42 15522 LAHTI Finland		O/A No. PW00520		ITEM No. 001		INSPECTOR'S STAMP 									
		CUSTOMER ORDER No. P031586													
		REQUIREMENTS AD 2000 W2 AD 2000 W10													
PRODUCT 2B 2B: Cold rolled, heat treated, pickled, cold rolled		HEAT No. 400281		MPO No. * 4002812/1											
* The first six numbers are the heat number. The seventh character is the slab indicator and any further characters represent a part of the slab with common mechanical properties.															
SPECIFICATIONS EN 10088-2/14 COLD ROLLED COIL/SHEET EN 10028-7 2007 COLD ROLLED COIL & SHEET ASTM A240 / A240M -15A ASME 2013 SECTION II PART A SA240 EN 10088-4 2009 COLD ROLLED COIL/SHEET		MATERIAL CODE 1.4307 1.4301 1.4307 1.4301 304L 304 304L 304 1.4307 1.4301		CASE JHAN53620 JHAN53621 JHAN53622 JHAN53623											
TOLERANCE ISO 9445-02/09-ASTM A480/A480M-ASME SA480/SA480M C/R		Delivery Note Number: 14299													
DIMENSIONS 4.000 mm x 1500 mm x 3000 mm		TYPE X2CRNI 18 9		QUANTITY 28											
		MASS 3863 kg													
CHEMICAL ANALYSIS			MECHANICAL PROPERTIES												
%	REQUIREMENT		LADLE	Test Direction Transverse	Test Pos.	R _{p0.2} 0.2% Proof Stress (MPa)	R _{p1.0} 1% Proof Stress (MPa)	R _m UTS (MPa)	A 5 (% Elongation)	A 50 (% Elongation)	Hardness HRB	Bend Test	Impact Test ISO V	Z (% Reduction of Area)	
	MIN	MAX													
C		0.030	0.028	Ambient Temperature	Head	308	345	658	58	54	85				
S		0.015	0.003		Tail	294	329	651	60	55	84				
P		0.045	0.023	Req @ °C											
Mn		2.00	1.18												
Si		1.00	0.37	Req @ °C											
Ni	8.0	10.5	8.0												
Cr	17.5	19.5	18.1												
Mo															
Ti															
N		0.11	0.07												
V															
Co															
Cu															
Nb															
Sn															
Al															
B															
HEAT TREATMENT (Solution Annealed)															
Anneal °C		Quench													
1050 - 1100		AIR/SPRAY													
Penneability I.1 Max												COLUMBUS STAINLESS (Pty) Ltd Hendrina Road, Middelburg Mpumalanga, South Africa  P.H. de Vos WORKS EXPERT			