

Panel Point	Bolt No.	Boltscan	Bolt Grp	Orig. Lgth	Final Ext.	Gain Val.	Pre Date	Meas. Ext.	Date/Temp	New Gain
100 N.W.	A 1	BS 183	1	662.64	2.04	None	15/03/1999	1.29	13/09/2007	200
	B 2			661.05	2.05	None		1.51		200
	C 3			662.85	2.08	None	NO	1.63	18°C	192
	D 4			663.90	2.05	None	TEMP	1.04		215
98 N.W.	A 53	BS 181	1	662.08	2.15	195	26/08/1999	1.75	13/09/2007	As was
	B 54			662.24	2.47	190		2.15		As was
	C 55			662.11	2.06	218	NO	1.66	17°C	As was
	D 56			661.55	2.46	180	TEMP	2.10		As was
96 N.W.	A 124	BS 183	1	662.56	2.21	229	29/07/1999	1.78	13/09/2007	As was
	B 125			662.16	2.42	220		1.98		As was
	C 126			663.36	2.08	220	NO	1.92	18°C	As was
	D 127			661.15	2.41	210	TEMP	2.18		As was
94 N.W.	A 120	B.S. 183	1	661.31	2.14	224	14/04/1999	1.83	19/05/2008	As was
	B 121			661.46	2.23	210		1.79		As was
	C 122			661.99	2.10	220	NO	1.90	13°C	As was
	D 123			661.85	2.29	204	TEMP	1.88		As was
92 N.W.	A 80	B.S. 183	1	661.60	2.41	200	13/06/1999	2.05	16/05/2008	As was
	B 81			663.70	2.48	200		2.03		As was
	C 82			662.71	2.39	205	NO	1.97	12°C	As was
	D 83			660.30	2.38	210	TEMP	1.97		As was
90 N.W.	A 47	B.S. 183	1	661.79	2.39	None	27/05/1999	1.87	16/05/2008	192
	B 48			661.93	2.51	None		1.94		208
	C 49			661.70	2.54	None	NO	1.97	16°C	184
	D 50			661.99	2.51	None	TEMP	2.00		205
88 N.W.	A 97	B.S.181	1	661.68	2.26	155	23/09/1999	1.82	16/05/2008	As was
	B 98			661.96	2.88	177		2.34		As was
	C 99			661.72	2.40	182	NO	1.76	16°C	As was
	D 100			661.80	2.41	175	TEMP	1.90		As was
86 N.W.	A 33	B.S.181	1	662.31	2.12	150	13/08/1999	1.80	16/05/2008	As was
	B 34			661.66	2.48	160		2.06		As was
	C 35			662.07	2.20	180	NO	1.79	13°C	As was
	D 36			661.57	2.11	210	TEMP	1.67		As was
84 N.W.	A 33	B.S. 184	4	662.18	2.45	196	25/01/2000	1.96	16/05/2008	As was
	B 34			661.88	2.48	193		1.99		As was
	C 35			662.35	2.39	196	NO	1.87	13°C	As was
	D 36			662.49	2.49	192	TEMP	1.96		As was
82 N.W.	A 97	B.S. 183	3	658.92	2.09	215	21/01/2000	1.76	15/05/2008	As was
	B 98			660.57	2.48	205		2.01		As was
	C 99			662.36	2.40	210	NO	1.72	13°C	As was
	D 100			660.86	2.37	210	TEMP	1.99		As was
80 N.W.	A 77	B.S. 183	3	661.15	2.17	208	11/01/2000	1.80	15/05/2008	As was
	B 78			661.99	2.57	207		2.10		As was
	C 79			660.80	2.11	243	NO	1.72	13°C	As was
	D 80			660.95	2.48	210	TEMP	2.01		As was

78 N.W.	A	45	B.S. 183	3	662.36	2.14	238	01/12/1999	1.99	14/05/2008	As was
	B	46			662.15	2.58	220		2.18		As was
	C	47			660.87	2.39	200		2.01		As was
	D	48			662.19	2.45	199		2.05		As was
76 N.W.	A	35	B.S. 183	3	660.89	2.06	211	21/11/1999	1.78	14/05/2008	As was
	B	36			661.34	2.42	210		2.03		As was
	C	37			660.30	2.26	200		1.91		As was
	D	38			661.05	2.42	207		2.04		As was
74 N.W.	A	11	B.S. 183	3	661.60	2.33	200	15/11/1999	2.02	13/05/2008	As was
	B	12			662.03	2.54	207		2.32		As was
	C	13			662.25	2.36	190		1.95		As was
	D	14			662.09	2.51	200		2.12		As was
72 N.W.	A	134	B.S. 183	2	662.10	2.39	215	10/11/1999	2.05	13/05/2008	As was
	B	135			661.96	2.47	200		1.98		As was
	C	136			661.20	2.38	195		1.90		As was
	D	137			662.36	2.65	205		2.22		As was
70 N.W.	A	120	B.S. 183	2	660.94	2.09	210	29/10/1999	1.77	21/09/2007	As was
	B	121			662.42	2.58	215		2.12		As was
	C	122			661.59	2.40	195		1.96		As was
	D	123			661.16	2.64	210		2.30		As was
68 N.W.	A	96	B.S. 183	2	662.61	2.37	187	25/10/1999	2.07	21/09/2007	As was
	B	97			662.40	2.48	201		2.05		As was
	C	98			660.54	2.41	188		1.98		As was
	D	99			662.02	2.43	199		2.02		As was
66 N.W.	A	90	B.S. 183	2	662.38	2.20	201	13/10/1999	1.95	01/05/2008	As was
	B	91			662.31	2.43	219		2.12		As was
	C	92			662.36	2.19	210		2.08		As was
	D	93			662.17	2.84	178		2.53		As was
64 N.W.	A	66	B.S. 183	2	662.16	2.48	195	05/10/1999	2.13	01/10/2007	As was
	B	67			661.34	2.94	217		2.42		As was
	C	68			662.38	2.62	210		2.06		As was
	D	69			661.83	2.46	194		1.94		As was
62 N.W.	A	142	B.S. 183	1	662.29	2.36	222	24/09/1999	2.19	01/10/2007	As was
	B	143			662.67	2.33	220		1.96		As was
	C	144			663.26	2.28	180		1.93		As was
	D	145			662.76	2.36	210		2.02		As was
60 N.W.	A	46	B.S. 183	2	662.34	2.26	163	15/09/1999	2.02	25/04/2008	As was
	B	47			661.97	2.52	187		2.29		As was
	C	48			662.61	2.28	175		1.95		As was
	D	49			661.99	2.28	180		1.92		As was

58 N.W.	A 18 B 19 C 20 D 21	B.S. 183	2	661.17 662.44 662.96 662.23	2.42 2.88 2.16 2.47	178 200 193 190	08/09/1999 NO TEMP	2.16 2.59 1.88 2.17	12/10/2007 14°C	As was As was As was As was
56 N.W.	A 138 B 139 C 140 D 141	B.S. 183	1	662.28 662.69 662.26 662.02	2.31 2.34 2.37 2.44	239 237 210 219	27/08/1999 16°C	2.01 1.83 1.88 2.08	12/10/2007 14°C	As was As was As was As was
54 N.W.	A 128 B 129 C 130 D 146	B.S. 183	1	662.77 662.38 663.18 662.27	2.36 2.38 2.40	200 210 212	19/08/1999 12°C	Not Available 2.40 2.36 2.37	15/04/2008 7°C	N/A As was As was 197
52 N.W.	A 114 B 115 C 116 D 117 E 118 F 119	B.S. 183	1	661.56 661.39 661.93 661.84 No Figure 665.02	2.12 2.39 2.36 2.31 2.01 2.35	None None None None None None	09/08/1999 NO TEMP	1.94 2.49 nonetaken 2.13 1.93 2.14	22/10/2007 11°C	220 215 N/A 211 212 225
50 N.W.	A 66 B 67 C 68 D 69 E 70 F 71	B.S. 183	1	662.15 662.03 655.25 661.06 662.13 662.22	2.38 2.44 2.21 2.17 2.37 2.54	225 205 225 232 220 237	12/07/1999 NO TEMP	2.24 2.09 nonetaken 1.91 2.13 2.27	30/10/2007 11°C	As was As was N/A As was As was As was
48 N.W.	A 40 B 41 C 42 D 43 E 44 F 45	B.S. 183	1	662.33 662.46 663.99 662.18 663.38 663.97	2.35 2.39 2.27 2.41 2.37 2.30	None None None None None None	20/05/1999 NO TEMP	1.85 2.00 nonetaken 2.11 nonetaken 2.01	09/11/2007 7°C	235 194 N/A 201 N/A 208
40 N.W.	A 100 B 101 C 102 D 133 E 104 F 105 G 106 H 107	B.S. 183	1	661.62 662.42 663.59 662.50 660.79 661.53 662.94 662.90	2.07 2.43 2.10 2.56 2.11 2.29 2.25 2.26	220 206 200 202 205 232 230 222	23/08/1999 NO TEMP			
42 N.W.	A 72 B 73 C 74 D 75 E 76 F 77 G 78 H 79	B.S. 183	1	661.94 662.14 661.26 662.13 661.64 661.96 661.72 661.23	2.15 2.14 2.16 2.37 2.16 2.43 2.16 2.47	233 228 233 215 215 220 210 225	08/07/99 NO TEMP			

38 N.W. MISSED MOVE	A	26	B.S. 183	2	661.27	2.14	180	12/09/1999 NO TEMP		°C	
	B	27			663.34	2.36	160				
	C	28			661.33	2.15	188				
	D	29			661.12	2.49	235				
	E	30			661.87	2.21	180				
	F	31			663.32	2.52	167				
	G	32			662.40	2.14	191				
	H	33			662.17	2.37	168				
36 N.W.	A	38	B.S. 183	2	661.65	2.30	218	28/09/1999 NO TEMP	1.90	°C	As was
	B	39			662.19	2.48	179		1.99		As was
	C	40			662.32	2.16	244		1.75		212
	D	41			662.54	2.56	205		2.18		As was
	E	42			662.07	2.22	208		nonetaken		N/A
	F	43			661.26	2.47	193		2.10		As was
	G	44			662.48	2.15	198		1.73		As was
	H	45			662.49	2.44	174		2.01		As was
34 N.W.	A	94	B.S. 183	2	661.81	2.37	173	15/10/1999 NO TEMP	2.09	04/08/2008 15°C	As was
	B	95			661.67	2.10	220		1.65		As was
	C	80			661.78	2.12	191		1.71		As was
	D	81			661.99	2.55	223		2.15		As was
	E	82			661.74	2.46	192		nonetaken		N/A
	F	83			661.68	2.11	223		1.77		As was
	G	84			661.91	2.16	205		1.70		As was
	H	85			661.00	2.31	224		1.86		As was
32 N.W.	A	108	B.S. 183	2	661.35	2.46	210	29/10/1999 NO TEMP	2.22	13/08/2008 16°C	As was
	B	109			662.76	2.46	205		2.07		As was
	C	110			661.39	2.34	200		2.08		As was
	D	111			661.28	2.15	195		2.02		As was
	E	112			662.63	2.21	None		nonetaken		As was
	F	113			662.02	2.43	185		2.14		As was
	G	114			662.25	2.13	188		1.79		As was
	H	115			661.28	2.18	196		2.01		As was
30 N.W.	A	124	B.S. 183	2	661.45	2.49	200	11/11/1999 NO TEMP	2.18	13/08/2008 16°C	As was
	B	125			662.29	2.41	195		1.93		As was
	C	126			661.94	2.50	185		nonetaken		As was
	D	127			661.55	2.47	180		2.13		As was
	E	128			662.78	2.15	215		1.96		As was
	F	129			661.36	2.53	185		2.14		As was

28 N.W.	A	25	B.S. 183	3	661.88	2.45	185	21/11/1999			
MISSED MOVE	B	26			662.20	2.16	215				
	C	27			662.26	2.17	200				
	D	28			661.62	2.43	205	NO			
	E	29			661.44	2.20	210	TEMP		°C	
	F	30			660.67	2.45	185				
26 N.W.	A	39	B.S. 183	3	661.14	2.46	192	10/12/1999	2.21	18/08/2008	As was
	B	40			662.71	2.44	200		2.03		As was
	C	41			661.85	2.44	199		nonetaken		As was
	D	42			662.09	2.44	202	NO	2.14		As was
	E	43			661.81	2.36	200	TEMP	1.98	14°C	As was
	F	44			662.12	2.69	200		2.28		As was
24 N.W.	A	61	B.S. 183	3	660.96	2.16	212	15/12/1999	1.95	18/08/2008	As was
	B	62			660.76	2.63	215		2.23		As was
	C	63			661.75	2.46	201		nonetaken		As was
	D	64			660.55	2.36	205	NO	2.11		As was
	E	65			661.99	2.13	217	TEMP	2.05	14°C	As was
	F	66			661.89	2.65	210		2.28		As was
22 N.W.	A	81	B.S. 183	3	661.87	2.38	204	06/01/2000	2.17	04/09/2008	As was
	B	82			661.72	2.18	202		1.73		As was
	C	83			662.87	2.07	203		nonetaken		As was
	D	84			661.64	2.34	202	NO	2.04		As was
	E	85			661.91	2.39	196	TEMP	2.03	13°C	As was
	F	86			661.77	2.06	202		1.92		As was
20 N.W.	A	101	B.S. 183	3	662.16	2.57	208	12/01/2000	2.43	29/08/2008	As was
	B	102			660.79	2.49	207		2.36		As was
	C	103			661.84	2.31	212		2.34		As was
	D	104			660.12	2.63	207	NO	2.48		As was
	E	115			661.03	2.44	207	TEMP	2.42	19°C	160
	F	106			661.44	2.46	213		2.38		As was
18 N.W.	A	23	B.S. 184	4	661.91	2.49	195	14/01/2000			
	B	24			662.03	2.51	195				
	C	25			660.91	2.32	195				
MISSED MOVE	D	26			661.03	2.58	193	NO			
	E	27			660.45	2.47	197	TEMP		°C	
	F	28			661.46	2.66	205				

16 N.W.	A	107	B.S. 183	3	660.82	2.57	215	18/01/2000	2.19	18/09/2008	As was	
	B	108			661.43	2.53	220		As was			
	C	109			661.62	2.40	185		NO		1.91	As was
	D	110			662.12	2.45	205		TEMP		1.97	As was
14 N.W.	A	41	B. S. 184	4	661.76	2.38	185	20/01/2000	2.03	18/09/2008	As was	
	B	42			661.77	2.45	225		As was			
	C	43			661.59	2.53	195		NO		2.02	As was
	D	44			662.78	2.37	230		TEMP		1.92	As was
12 N.W.	A	49	B.S. 184	4	662.12	2.39	182	25/01/2000	2.04	22/09/2008	As was	
	B	50			660.25	2.48	213		As was			
	C	51			661.22	2.44	204		NO		1.87	As was
	D	52			661.53	2.52	202		TEMP		2.00	As was
10 N.W.	A	101	B.S. 181	1	662.30	2.46	162	03/10/1999	2.14	22/09/2008	As was	
	B	102			662.35	2.74	203		As was			
	C	103			661.71	2.44	159		NO		1.99	As was
	D	104			662.25	2.57	191		TEMP		2.05	As was
8 N.W.	A	117	B.S. 181	1	662.69	2.04	215	22/10/1999	1.72	25/09/2008	As was	
	B	118			660.69	2.49	190		As was			
	C	119			660.81	2.19	220		NO		1.75	As was
	D	120			661.54	2.58	185		TEMP		2.14	As was
6 N.W.	A	10	B.S. 181	2	662.63	2.21	200	16/11/1999	1.74	25/09/2008	As was	
	B	11			662.09	2.27	195		As was			
	C	12			661.88	2.17	180		NO		1.78	As was
	D	13			661.28	2.61	160		TEMP		2.21	As was
4 N.W.	A	14	B.S. 181	2	661.92	2.14	190	25/11/1999	1.87	26/09/2008	As was	
	B	15			661.99	2.48	190		As was			
	C	16			661.88	2.42	200		NO		2.03	As was
	D	17			661.43	2.27	210		TEMP		1.80	As was
2 N.W.	A	125	B.S. 181	1	661.37	2.23	180	03/11/1999	SCAFFOLD ACCESS REQUIRED			
	B	126			661.70	2.58	205					
	C	127			661.79	2.06	230					NO
	D	128			661.39	2.53	190					TEMP