

2. Parts Book

2.1 Body Structure

2.1.1 C-Class

2.1.1.1 Parts List

2.1.1.1 Parts List - Body Structure - C-Class



ULSAB-AVC Body Structure Parts List C-Class

Revision Level: A21 Date: 27 JUL 01

Number	Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)
							Yield Strength	Tensile Strength		C-Class
AVC 1 1008	Cowl Front	D03	05-Mar-01		0.80	DP	500	800	S	4.416
AVC 1 1015	Dash	C15	22-Mar-01		0.65	DP	280	600	S	4.381
AVC 1 1045	Header Front	E01	09-Mar-01		0.70	IF	300	420	S	0.686
AVC 1 1064	Support Header Front RH	D00	06-Jan-01		0.70	DP	280	600	S	0.231
AVC 1 1065	Support Header Front LH	D00	06-Jan-01		0.70	DP	280	600	S	0.231
AVC 1 1075	Crossmember Back Panel	C00	24-Oct-00		0.65	DP	280	600	S	0.832
AVC 1 1082	Crossmember Kick-Up	E04	27-Feb-01		0.70	DP	700	1000	S	2.002
AVC 1 1083	Crossmember Tunnel	B00	17-Aug-00		0.70	HSLA	350	450	S	0.602
AVC 1 1088	Bulkhead Crash Box Dash RH	D01	04-Dec-00		1.20	DP	700	1000	S	2.376
AVC 1 1089	Bulkhead Crash Box Dash LH	D01	04-Dec-00		1.20	DP	700	1000	S	2.376
AVC 1 1116	Assy Reinf Rail Rear Suspension Attach RH	B01	21-Jul-00		1.30	DP	500	800	S	0.455
AVC 1 1117	Assy Reinf Rail Rear Suspension Attach LH	B01	21-Jul-00		1.30	DP	500	800	S	0.455
AVC 1 1128	Plate Crash Box Rail Front Attach (x2)	A00	30-Mar-00		3.00	DP	700	1000	S	0.600
AVC 1 1134	Crossmember Support Front Seat Front RH	C03	09-Mar-01		0.70	CP	700	800	S	0.567
AVC 1 1135	Crossmember Support Front Seat Front LH	C03	09-Mar-01		0.70	CP	700	800	S	0.567
AVC 1 1136	Closeout Lower Crash Box Dash RH	C00	05-Dec-00		0.90	DP	500	800	S	1.161
AVC 1 1137	Closeout Lower Crash Box Dash LH	C00	05-Dec-00		0.90	DP	500	800	S	1.161
AVC 1 1138	Closeout Inner Crash Box Dash RH	A05	20-Oct-00		0.80	DP	400	700	S	1.072
AVC 1 1139	Closeout Inner Crash Box Dash LH	A05	20-Oct-00		0.80	DP	400	700	S	1.040
AVC 1 1146	A-Post Inner RH	A06	11-Apr-01		0.90	DP	700	1000	S	1.152
AVC 1 1147	A-Post Inner LH	A06	11-Apr-01		0.90	DP	700	1000	S	1.152
AVC 1 1153	Crossmember Rear Suspension	D01	19-Feb-01		1.00	DP	700	1000	S	2.640
AVC 1 1168	Reinf Rail Rear Spring Attach RH	B01	03-Feb-01		1.20	HSLA	350	450	S	0.144
AVC 1 1169	Reinf Rail Rear Spring Attach LH	B01	03-Feb-01		1.20	HSLA	350	450	S	0.144
AVC 1 1182	Reinf Rail Rear Suspension C-Member RH	B01	16-Feb-01		1.50	HSLA	350	450	S	0.765
AVC 1 1183	Reinf Rail Rear Suspension C-Member LH	B01	16-Feb-01		1.50	HSLA	350	450	S	0.765
AVC 1 1190	Bracket Support Front Seat Rear (x2)	B01	06-Dec-00		1.20	DP	500	800	S	0.576
AVC 1 1192	Reinf Crash Box Dash RH	A03	25-Jan-01		1.00	DP	400	700	S	1.170
AVC 1 1193	Reinf Crash Box Dash LH	A03	25-Jan-01		1.00	DP	400	700	S	1.170
AVC 1 1194	Reinf Tunnel	C03	05-Mar-01		0.70	Mart	950	1200	S	2.394
AVC 1 1196	Closeout Outer Crash Box Dash RH	A10	25-Jan-01		0.80	DP	400	700	S	2.344
AVC 1 1197	Closeout Outer Crash Box Dash LH	A10	25-Jan-01		0.80	DP	400	700	S	2.344
AVC 1 1202	Reinf Waist B-Pillar Inner RH	B02	21-Apr-01		1.50	Mart	1250	1520	S	0.885
AVC 1 1203	Reinf Waist B-Pillar Inner LH	B02	21-Apr-01		1.50	Mart	1250	1520	S	0.885
AVC 1 1216	Bracket Member Body Side Inner Att Rear RH	A02	15-Mar-01		1.20	DP	500	800	S	0.396
AVC 1 1217	Bracket Member Body Side Inner Att Rear LH	A02	15-Mar-01		1.20	DP	500	800	S	0.396
AVC 1 1224	Bracket Crossmember Inst Panel Attach RH	A00	27-Feb-01		1.20	HSLA	350	450	S	0.132
AVC 1 1225	Bracket Crossmember Inst Panel Attach LH	A00	27-Feb-01		1.20	HSLA	350	450	S	0.132
AVC 1 1226	A-Brace Cowl Front	A00	05-Mar-01		1.00	DP	500	800	S	0.980
AVC 1 1227	A-Brace Cowl Rear	A01	22-Mar-01		1.00	DP	500	800	S	0.820
AVC 2 1016	Floor Front RH	E01	28-Feb-01		0.65	TRIP	450	800	S	4.219
AVC 2 1017	Floor Front LH	E01	28-Feb-01		0.65	TRIP	450	800	S	4.219
AVC 2 1020	Body Side Outer RH	D05	11-Apr-01	1	1.50	DP	700	1000	S/TWB	3.645
				2	0.70	BH	260	370		8.358
				3	1.80	DP	700	1000		3.618
AVC 2 1021	Body Side Outer LH	D05	11-Apr-01	1	1.50	DP	700	1000	S/TWB	3.645
				2	0.70	BH	260	370		8.414
				3	1.80	DP	700	1000		3.618
AVC 2 1036	Wheelhouse Inner RH	C11	06-Mar-01	1	0.60	DP	500	800	S/TWB	1.320
				2	1.40	DP	700	1000		0.966
				3	1.10	DP	700	1000		0.616
AVC 2 1037	Wheelhouse Inner LH	C11	06-Mar-01	1	0.60	DP	500	800	S/TWB	1.320
				2	1.40	DP	700	1000		0.966
				3	1.10	DP	700	1000		0.616
AVC 2 1038	Wheelhouse Outer RH	D04	28-Feb-01		0.60	DP	280	600	S	1.074
AVC 2 1039	Wheelhouse Outer LH	D04	28-Feb-01		0.60	DP	280	600	S	1.092
AVC 2 1046	Roof	D01	03-Feb-01		0.65	DP	300	500	S or HFS	9.464
AVC 2 1049	Tunnel	C07	28-Feb-01		0.65	DP	300	500	S	5.122
AVC 2 1050	Member Rail Front RH	C10	28-Feb-01	1	1.50	DP *	500	800	HFT/TWT	1.845
				2	1.30	DP *	500	800		6.331
AVC 2 1051	Member Rail Front LH	C10	28-Feb-01	1	1.50	DP *	500	800	HFT/TWT	1.845
				2	1.30	DP *	500	800		6.331
AVC 2 1069	Floor Rear	B13	08-Mar-01	1	0.60	BH	210	340	S/TWB	5.838
				2	1.10	DP	350	600		2.519
				3	1.10	DP	350	600		2.255
				4	0.70	DP	700	1000		1.988
AVC 2 1070	Gutter C-Pillar RH	C01	03-Feb-01		0.65	BH	210	340	S	0.403
AVC 2 1071	Gutter C-Pillar LH	C01	03-Feb-01		0.65	BH	210	340	S	0.403

2.1.1.1 Parts List - Body Structure - C-Class



ULSAB-AVC Body Structure Parts List C-Class

Revision Level: A21 Date: 27 JUL 01

Number	Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)
							Yield Strength	Tensile Strength		C-Class
AVC 2 1072	C-Pillar Inner RH	C04	06-Mar-01		0.65	DP	500	800	S	0.774
AVC 2 1073	C-Pillar Inner LH	C04	06-Mar-01		0.65	DP	500	800	S	0.774
AVC 2 1074	Back Panel	D00	12-Jan-01		0.60	DP	300	500	S	2.532
AVC 2 1076	Rail Rear RH	B08	02-Feb-01	1	1.80	DP	700	1000	S/TWB	3.168
				2	1.10	DP	500	800		0.737
AVC 2 1077	Rail Rear LH	B08	02-Feb-01	1	1.80	DP	700	1000	S/TWB	3.168
				2	1.10	DP	500	800		0.737
AVC 2 1080	Body Side Inner Rear RH	C02	10-Feb-01		0.70	IF	300	420	S	2.541
AVC 2 1081	Body Side Inner Rear LH	C02	10-Feb-01		0.70	IF	300	420	S	2.541
AVC 2 1086	Rocker Inner RH	B14	11-Apr-01	1	1.50	DP	700	1000	S/TWB	1.815
				2	0.70	DP	700	1000		2.345
AVC 2 1087	Rocker Inner LH	B14	11-Apr-01	1	1.50	DP	700	1000	S/TWB	1.815
				2	0.70	DP	700	1000		2.345
AVC 2 1115	Header Rear	E04	22-Mar-01		0.65	DP	350	600	S	1.807
AVC 2 1132	Member Body Side Inner RH	B03	19-Feb-01		1.00	DP *	500	800	HFT	7.120
AVC 2 1133	Member Body Side Inner LH	B03	19-Feb-01		1.00	DP *	500	800	HFT	7.120
AVC 2 1154	B-Pillar Inner RH	B03	07-Mar-01		0.70	Mart	950	1200	S	1.610
AVC 2 1155	B-Pillar Inner LH	B03	07-Mar-01		0.70	Mart	950	1200	S	1.610
AVC 2 1188	Rail Rear Outer Floor Extension RH	A00	12-Jan-01		1.10	DP	500	800	S	0.319
AVC 2 1189	Rail Rear Outer Floor Extension LH	A00	12-Jan-01		1.10	DP	500	800	S	0.319
AVC 2 1214	Support Back Panel	B00	11-Jan-01		0.60	DP	300	500	S	1.020
AVC 2 1215	Extension C-Member Kick-Up (x2)	A00	08-Mar-01		1.20	Mart*	950	1200	ST	0.480
AVC 2 1218	Reinf B-Pillar Lower RH	A02	08-Mar-01		0.70	DP	700	1000	S	0.595
AVC 2 1219	Reinf B-Pillar Lower LH	A02	08-Feb-01		0.70	DP	700	1000	S	0.595
AVC 2 1220	Reinf B-Pillar Rocker Rear RH	A05	08-Mar-01	1	1.20	DP	700	1000	S/TWB	3.216
				2	1.40	DP	700	1000		2.184
AVC 2 1221	Reinf B-Pillar Rocker Rear LH	A05	08-Mar-01	1	1.20	DP	700	1000	S/TWB	3.216
				2	1.40	DP	700	1000		2.184
AVC 2 1228	Crossmember Roof	A00	07-Mar-01		0.70	DP	700	1000	S	0.490
AVC 2 1232	Reinf Waist B-Pillar Outer RH	A00	25-Apr-01		0.80	DP	700	1000	S	0.104
AVC 2 1233	Reinf Waist B-Pillar Outer LH	A00	25-Apr-01		0.80	DP	700	1000	S	0.104
AVC - 1900	Brackets, Reinforcements and Hinges NOT Designed									3.746
TOTAL										201.776

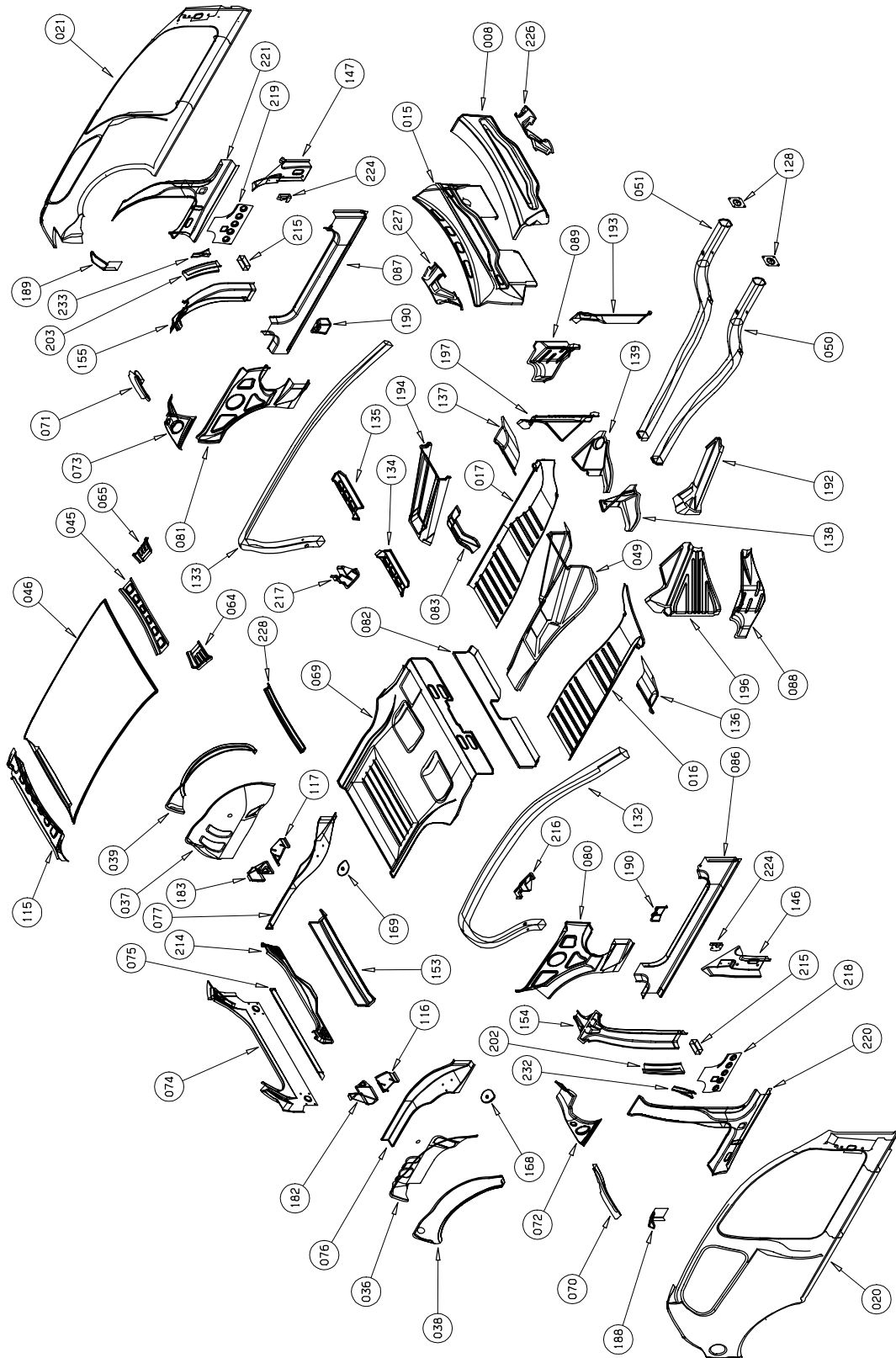
Code	Manufacturing Process
S	Stamped
S/TWB	Stamped / Tailor Welded Blanks
HFT	Hydroformed Tube
HFT/TWT	Hydroformed Tube / Tailor Welded Tubes
S or HFS	Stamped or Hydroformed Sheet
ST	Straight or Shaped Tube

* denotes DP Tube

Code	Steel Types
BH	Bake Hardenable
CP	Complex Phase
DP	Dual Phase
HSLA	High Strength, Low Alloy
IF	Interstitial-Free
Mart	Martensitic
TRIP	Transformation-Induced Plasticity

2.1.1.2 Exploded View

2.1.1.2 Exploded View - Body Structure - C-Class



2.1.2 PNGV-Class

2.1.2.1 Parts List

2.1.2.1 Parts List - Body Structure - PNGV-Class



ULSAB-AVC Body Structure Parts List PNGV-Class

Revision Level: A21 Date: 27 JUL 01

Number	Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)
							Yield Strength	Tensile Strength		PNGV-Class
AVC 1 1008	Cowl Front	D03	05-Mar-01		0.80	DP	500	800	S	4.416
AVC 1 1015	Dash	C15	22-Mar-01		0.65	DP	280	600	S	4.381
AVC 1 1045	Header Front	E01	09-Mar-01		0.70	IF	300	420	S	0.686
AVC 1 1064	Support Header Front RH	D00	06-Jan-01		0.70	DP	280	600	S	0.231
AVC 1 1065	Support Header Front LH	D00	06-Jan-01		0.70	DP	280	600	S	0.231
AVC 1 1075	Crossmember Back Panel	C00	24-Oct-00		0.65	DP	280	600	S	0.832
AVC 1 1082	Crossmember Kick-Up	E04	27-Feb-01		0.70	DP	700	1000	S	2.002
AVC 1 1083	Crossmember Tunnel	B00	17-Aug-00		0.70	HSLA	350	450	S	0.602
AVC 1 1088	Bulkhead Crash Box Dash RH	D01	04-Dec-00		1.20	DP	700	1000	S	2.376
AVC 1 1089	Bulkhead Crash Box Dash LH	D01	04-Dec-00		1.20	DP	700	1000	S	2.376
AVC 1 1116	Assy Reinf Rail Rear Suspension Attach RH	B01	21-Jul-00		1.30	DP	500	800	S	0.455
AVC 1 1117	Assy Reinf Rail Rear Suspension Attach LH	B01	21-Jul-00		1.30	DP	500	800	S	0.455
AVC 1 1128	Plate Crash Box Rail Front Attach (x2)	A00	30-Mar-00		3.00	DP	700	1000	S	0.600
AVC 1 1134	Crossmember Support Front Seat Front RH	C03	09-Mar-01		0.70	CP	700	800	S	0.567
AVC 1 1135	Crossmember Support Front Seat Front LH	C03	09-Mar-01		0.70	CP	700	800	S	0.567
AVC 1 1136	Closeout Lower Crash Box Dash RH	C00	05-Dec-00		0.90	DP	500	800	S	1.161
AVC 1 1137	Closeout Lower Crash Box Dash LH	C00	05-Dec-00		0.90	DP	500	800	S	1.161
AVC 1 1138	Closeout Inner Crash Box Dash RH	A05	20-Oct-00		0.80	DP	400	700	S	1.072
AVC 1 1139	Closeout Inner Crash Box Dash LH	A05	20-Oct-00		0.80	DP	400	700	S	1.040
AVC 1 1146	A-Post Inner RH	A06	11-Apr-01		0.90	DP	700	1000	S	1.152
AVC 1 1147	A-Post Inner LH	A06	11-Apr-01		0.90	DP	700	1000	S	1.152
AVC 1 1153	Crossmember Rear Suspension	D01	19-Feb-01		1.00	DP	700	1000	S	2.640
AVC 1 1168	Reinf Rail Rear Spring Attach RH	B01	03-Feb-01		1.20	HSLA	350	450	S	0.144
AVC 1 1169	Reinf Rail Rear Spring Attach LH	B01	03-Feb-01		1.20	HSLA	350	450	S	0.144
AVC 1 1182	Reinf Rail Rear Suspension C-Member RH	B01	16-Feb-01		1.50	HSLA	350	450	S	0.765
AVC 1 1183	Reinf Rail Rear Suspension C-Member LH	B01	16-Feb-01		1.50	HSLA	350	450	S	0.765
AVC 1 1190	Bracket Support Front Seat Rear (x2)	B01	06-Dec-00		1.20	DP	500	800	S	0.576
AVC 1 1192	Reinf Crash Box Dash RH	A03	25-Jan-01		1.00	DP	400	700	S	1.170
AVC 1 1193	Reinf Crash Box Dash LH	A03	25-Jan-01		1.00	DP	400	700	S	1.170
AVC 1 1194	Reinf Tunnel	C03	05-Mar-01		0.70	Mart	950	1200	S	2.394
AVC 1 1196	Closeout Outer Crash Box Dash RH	A10	25-Jan-01		0.80	DP	400	700	S	2.344
AVC 1 1197	Closeout Outer Crash Box Dash LH	A10	25-Jan-01		0.80	DP	400	700	S	2.344
AVC 1 1202	Reinf Waist B-Pillar Inner RH	B02	21-Apr-01		1.50	Mart	1250	1520	S	0.885
AVC 1 1203	Reinf Waist B-Pillar Inner LH	B02	21-Apr-01		1.50	Mart	1250	1520	S	0.885
AVC 1 1216	Bracket Member Body Side Inner Att Rear RH	A02	15-Mar-01		1.20	DP	500	800	S	0.396
AVC 1 1217	Bracket Member Body Side Inner Att Rear LH	A02	15-Mar-01		1.20	DP	500	800	S	0.396
AVC 1 1224	Bracket Crossmember Inst Panel Attach RH	A00	27-Feb-01		1.20	HSLA	350	450	S	0.132
AVC 1 1225	Bracket Crossmember Inst Panel Attach LH	A00	27-Feb-01		1.20	HSLA	350	450	S	0.132
AVC 1 1226	A-Brace Cowl Front	A00	05-Mar-01		1.00	DP	500	800	S	0.980
AVC 1 1227	A-Brace Cowl Rear	A01	22-Mar-01		1.00	DP	500	800	S	0.820
AVC 3 1016	Floor Front RH	E01	28-Feb-01		0.65	TRIP	450	800	S	4.459
AVC 3 1017	Floor Front LH	E01	28-Feb-01		0.65	TRIP	450	800	S	4.459
AVC 3 1036	Wheelhouse Inner RH	C10	06-Mar-01	1	0.60	DP	500	800	S/TWB	1.356
				2	1.40	DP	700	1000		0.966
				3	1.10	DP	700	1000		0.660
AVC 3 1037	Wheelhouse Inner LH	C10	06-Mar-01	1	0.60	DP	500	800	S/TWB	1.356
				2	1.40	DP	700	1000		0.966
				3	1.10	DP	700	1000		0.660
AVC 3 1038	Wheelhouse Outer RH	D03	28-Feb-01		0.60	DP	280	600	S	1.134
AVC 3 1039	Wheelhouse Outer LH	D03	28-Feb-01		0.60	DP	280	600	S	1.146
AVC 3 1049	Tunnel	C07	28-Feb-01		0.65	DP	300	500	S	5.252
AVC 3 1050	Member Rail Front RH	C10	28-Feb-01	1	1.50	DP *	500	800	HFT/TWT	1.845
				2	1.30	DP *	500	800		6.604
AVC 3 1051	Member Rail Front LH	C10	28-Feb-01	1	1.50	DP *	500	800	HFT/TWT	1.845
				2	1.30	DP *	500	800		6.604
AVC 3 1069	Floor Rear	B10	08-Mar-01	1	0.60	BH	210	340	S/TWB	7.932
				2	1.10	DP	350	600		3.135
				3	1.10	DP	350	600		2.882
				4	0.70	DP	700	1000		2.002
AVC 3 1074	Back Panel	D00	04-Jan-01		0.60	DP	300	500	S	2.172
AVC 3 1076	Rail Rear RH	B08	02-Feb-01	1	1.80	DP	700	1000	S/TWB	3.168
				2	1.10	DP	500	800		1.408
AVC 3 1077	Rail Rear LH	B08	02-Feb-01	1	1.80	DP	700	1000	S/TWB	3.168
				2	1.10	DP	500	800		1.408
AVC 3 1124	Support Header Rear RH	E00	03-Jan-01		0.70	IF	300	420	S	0.336
AVC 3 1125	Support Header Rear LH	E00	03-Jan-01		0.70	IF	300	420	S	0.336
AVC 3 1126	Header Rear	E00	03-Jan-01		0.70	IF	300	420	S	0.938
AVC 3 1127	Roof	D00	06-Jan-01		0.65	DP	300	500	S or HFS	8.905

2.1.2.1 Parts List - Body Structure - PNGV-Class



ULSAB-AVC Body Structure Parts List PNGV-Class

Revision Level: A21 Date: 27 JUL 01

Number			Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)
									Yield Strength	Tensile Strength		PNGV-Class
AVC	3	1130	Member Body Side Inner RH	B03	19-Feb-01		1.00	DP *	500	800	HFT	7.070
AVC	3	1131	Member Body Side Inner LH	B03	19-Feb-01		1.00	DP *	500	800	HFT	7.070
AVC	3	1156	Package Tray Upper	C02	08-Jan-01		0.60	DP	280	600	S	2.316
AVC	3	1157	Package Tray Lower	C00	22-Dec-00		0.60	DP	280	600	S	2.208
AVC	3	1160	Support Package Tray Lower RH	C01	03-Jan-01		1.20	IF	300	420	S	0.852
AVC	3	1161	Support Package Tray Lower LH	C01	03-Jan-01		1.20	IF	300	420	S	0.852
AVC	3	1162	Rocker Inner RH	A12	11-Apr-01	1	1.50	DP	700	1000	S/TWB	1.815
						2	0.70	DP	700	1000		2.527
AVC	3	1163	Rocker Inner LH	A12	11-Apr-01	1	1.50	DP	700	1000	S/TWB	1.815
						2	0.70	DP	700	1000		2.527
AVC	3	1170	Body Side Outer RH	B05	10-Apr-01	1	1.50	DP	700	1000	S/TWB	3.645
						2	0.70	BH	260	370		0.280
						3	1.80	DP	700	1000		9.108
						4	1.20	DP	700	1000		2.148
						5	0.70	BH	260	370		5.649
AVC	3	1171	Body Side Outer LH	B05	10-Apr-01	1	1.50	DP	700	1000	S/TWB	3.645
						2	0.70	BH	260	370		0.280
						3	1.80	DP	700	1000		9.108
						4	1.20	DP	700	1000		2.148
						5	0.70	BH	260	370		5.712
AVC	3	1172	Body Side Inner Rear RH	B03	08-Mar-01		0.70	IF	300	420	S	2.555
AVC	3	1173	Body Side Inner Rear LH	B03	08-Mar-01		0.70	IF	300	420	S	2.555
AVC	3	1178	Gutter Deck Lid RH	B01	04-Jan-01		0.70	BH	260	370	S	0.385
AVC	3	1179	Gutter Deck Lid LH	B01	04-Jan-01		0.70	BH	260	370	S	0.385
AVC	3	1188	Rail Rear Outer Floor Extension RH	B03	06-Jan-01	1	1.10	DP	500	800	S/TWB	0.913
						2	0.60	BH	210	340		0.378
AVC	3	1189	Rail Rear Outer Floor Extension LH	B03	06-Jan-01	1	1.10	DP	500	800	S/TWB	0.913
						2	0.60	BH	210	340		0.378
AVC	3	1201	Crossmember Package Tray	B00	22-Dec-00		1.00	DP*	280	600	ST	2.540
AVC	3	1208	B-Pillar Inner RH	B01	11-Apr-01		0.70	Mart	950	1200	S	1.491
AVC	3	1209	B-Pillar Inner LH	B01	11-Apr-01		0.70	Mart	950	1200	S	1.491
AVC	3	1212	Extension C-Member Supt Front Seat Rr (x2)	A01	05-Jan-01		1.20	Mart*	950	1200	ST	0.456
AVC	3	1214	Support Back Panel	A01	04-Jan-01		0.60	DP	300	500	S	1.068
AVC	3	1222	Reinf B-Pillar Lower RH	B01	06-Jan-01		1.00	DP	700	1000	S	1.430
AVC	3	1223	Reinf B-Pillar Lower LH	B01	06-Jan-01		1.00	DP	700	1000	S	1.430
AVC	3	1230	Reinf Waist B-Pillar Outer RH	A00	25-Apr-01		0.80	DP	700	1000	S	0.120
AVC	3	1231	Reinf Waist B-Pillar Outer LH	A00	25-Apr-01		0.80	DP	700	1000	S	0.120
AVC	-	1900	Brackets, Reinforcements and Hinges NOT Designed									5.042
TOTAL												218.124

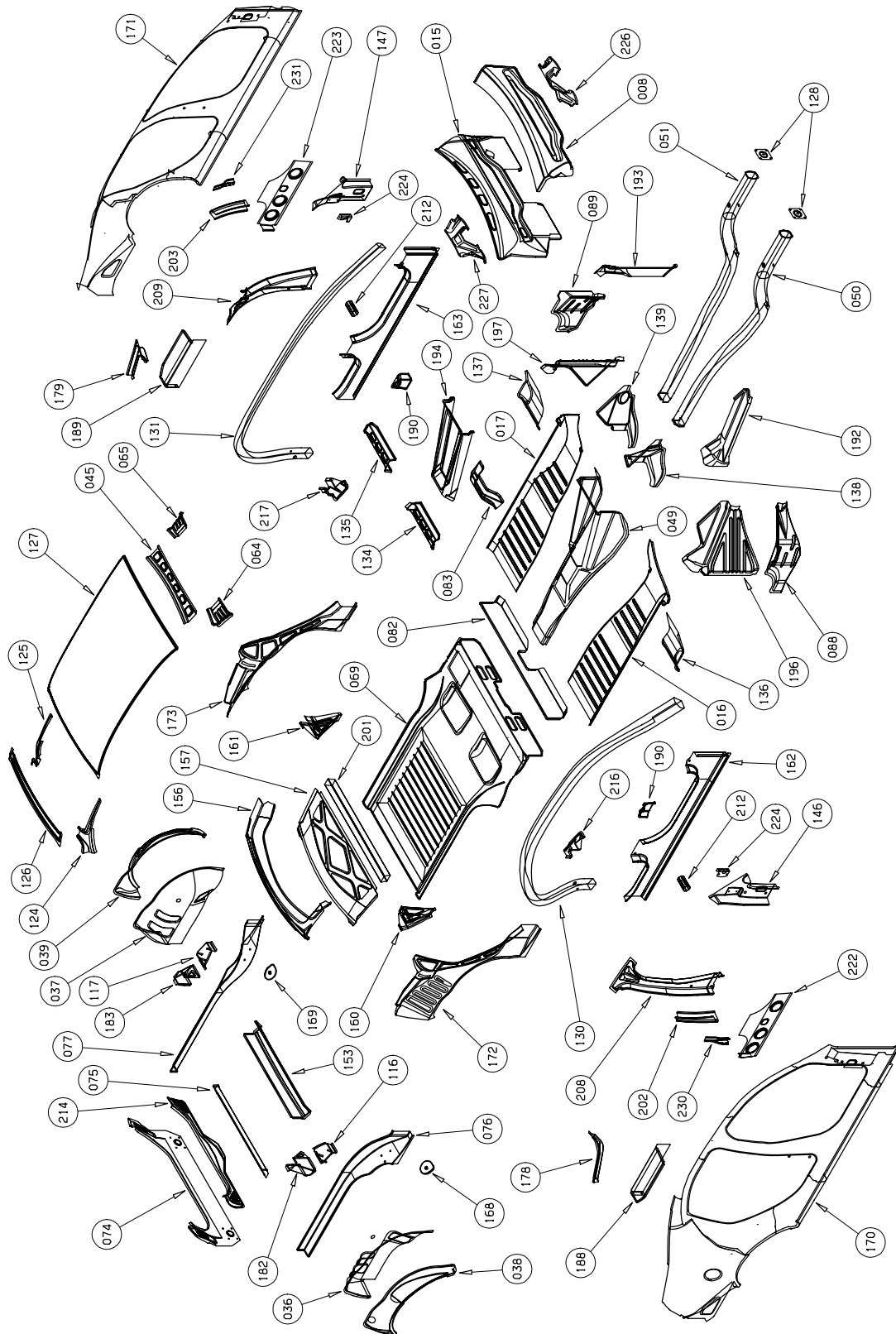
Code	Manufacturing Process
S	Stamped
S/TWB	Stamped / Tailor Welded Blanks
HFT	Hydroformed Tube
HFT/TWT	Hydroformed Tube / Tailor Welded Tubes
S or HFS	Stamped or Hydroformed Sheet
ST	Straight or Shaped Tube

* denotes DP Tube

Code	Steel Types
BH	Bake Hardenable
CP	Complex Phase
DP	Dual Phase
HSLA	High Strength, Low Alloy
IF	Interstitial-Free
Mart	Martensitic
TRIP	Transformation-Induced Plasticity

2.1.2.2 Exploded View

2.1.2.2 Exploded View - Body Structure - PNGV-Class



2.1.3 Parts Book Index

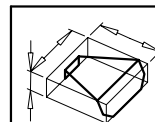
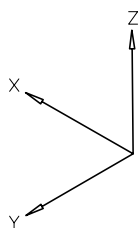
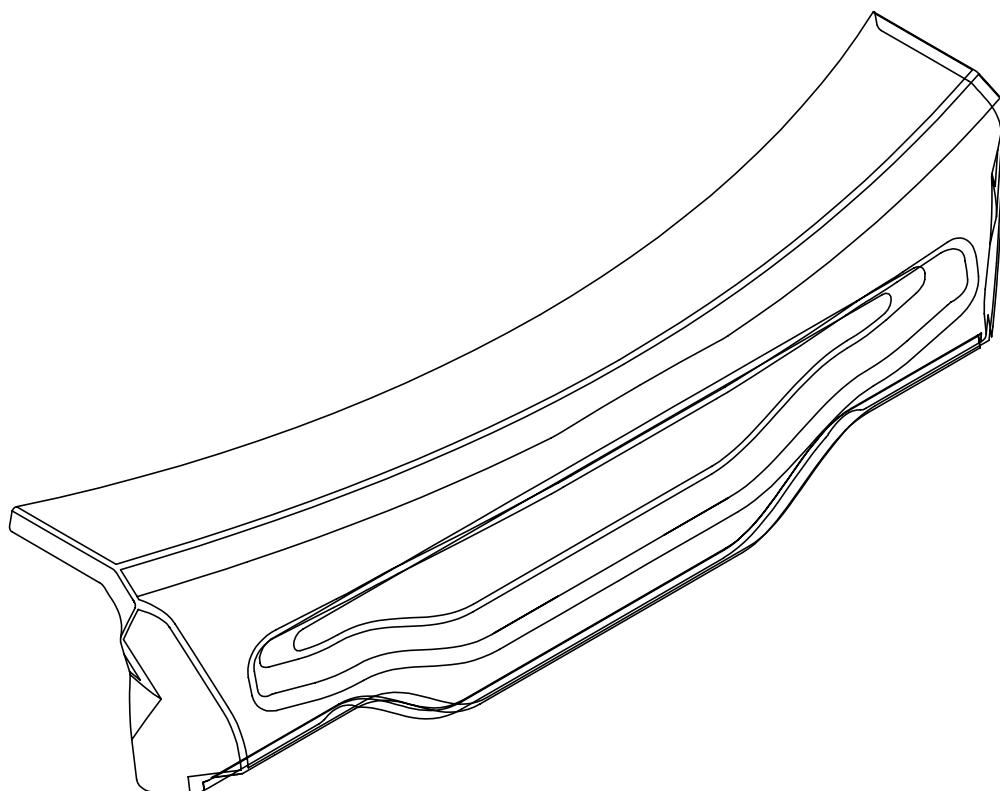
2.1.3 Parts Book Index - Body Structure

Part Number	Part Name	Revision	Date
AVC 1 1008	Cowl Front	D03	05-Mar-01
AVC 1 1015	Dash	C15	22-Mar-01
AVC 1 1045	Header Front	E01	09-Mar-01
AVC 1 1064	Support Header Front RH	D00	06-Jan-01
AVC 1 1075	Crossmember Back Panel	C00	24-Oct-00
AVC 1 1082	Crossmember Kick-Up	E04	27-Feb-01
AVC 1 1083	Crossmember Tunnel	B00	17-Aug-00
AVC 1 1088	Bulkhead Crash Box Dash RH	D01	04-Dec-00
AVC 1 1116	Assy Reinf Rail Rear Suspension Attach RH	B01	21-Jul-00
AVC 1 1128	Plate Crash Box Rail Front Attach (x2)	A00	30-Mar-00
AVC 1 1134	Crossmember Support Front Seat Front RH	C03	09-Mar-01
AVC 1 1136	Closeout Lower Crash Box Dash RH	C00	05-Dec-00
AVC 1 1138	Closeout Inner Crash Box Dash RH	A05	20-Oct-00
AVC 1 1146	A-Post Inner RH	A06	11-Apr-01
AVC 1 1153	Crossmember Rear Suspension	D01	19-Feb-01
AVC 1 1168	Reinf Rail Rear Spring Attach RH	B01	03-Feb-01
AVC 1 1182	Reinf Rail Rear Suspension C-Member RH	B01	16-Feb-01
AVC 1 1190	Bracket Support Front Seat Rear (x2)	B01	06-Dec-00
AVC 1 1192	Reinf Crash Box Dash RH	A03	25-Jan-01
AVC 1 1194	Reinf Tunnel	C03	05-Mar-01
AVC 1 1196	Closeout Outer Crash Box Dash RH	A10	25-Jan-01
AVC 1 1202	Reinf Waist B-Pillar Inner RH	B02	21-Apr-01
AVC 1 1216	Bracket Member Body Side Inner Att Rear RH	A02	15-Mar-01
AVC 1 1224	Bracket Crossmember Inst Panel Attach RH	A00	27-Feb-01
AVC 1 1226	A-Brace Cowl Front	A00	05-Mar-01
AVC 1 1227	A-Brace Cowl Rear	A01	22-Mar-01
AVC 2 1016	Floor Front RH	E01	28-Feb-01
AVC 2 1020	Body Side Outer RH	D05	11-Apr-01
AVC 2 1036	Wheelhouse Inner RH	C11	06-Mar-01
AVC 2 1038	Wheelhouse Outer RH	D04	28-Feb-01
AVC 2 1046	Roof	D01	03-Feb-01
AVC 2 1049	Tunnel	C07	28-Feb-01
AVC 2 1050	Member Rail Front RH	C10	28-Feb-01
AVC 2 1069	Floor Rear	B13	08-Mar-01
AVC 2 1070	Gutter C-Pillar RH	C01	03-Feb-01
AVC 2 1072	C-Pillar Inner RH	C04	06-Mar-01
AVC 2 1074	Back Panel	D00	12-Jan-01
AVC 2 1076	Rail Rear RH	B08	02-Feb-01
AVC 2 1080	Body Side Inner Rear RH	C02	10-Feb-01
AVC 2 1086	Rocker Inner RH	B14	11-Apr-01
AVC 2 1115	Header Rear	E04	22-Mar-01

2.1.3 Parts Book Index - Body Structure C-Class/PNGV-Class

Part Number	Part Name	Revision	Date
AVC 2 1132	Member Body Side Inner RH	B03	19-Feb-01
AVC 2 1154	B-Pillar Inner RH	B03	07-Mar-01
AVC 2 1188	Rail Rear Outer Floor Extension RH	A00	12-Jan-01
AVC 2 1214	Support Back Panel	B00	11-Jan-01
AVC 2 1215	Extension C-Member Kick-Up (x2)	A00	08-Mar-01
AVC 2 1218	Reinf B-Pillar Lower RH	A02	08-Mar-01
AVC 2 1220	Reinf B-Pillar Rocker Rear RH	A05	08-Mar-01
AVC 2 1228	Crossmember Roof	A00	07-Mar-01
AVC 2 1232	Reinf Waist B-Pillar Outer RH	A00	25-Apr-01
AVC 3 1016	Floor Front RH	E01	28-Feb-01
AVC 3 1036	Wheelhouse Inner RH	C10	06-Mar-01
AVC 3 1038	Wheelhouse Outer RH	D03	28-Feb-01
AVC 3 1049	Tunnel	C07	28-Feb-01
AVC 3 1050	Member Rail Front RH	C10	28-Feb-01
AVC 3 1069	Floor Rear	B10	08-Mar-01
AVC 3 1074	Back Panel	D00	04-Jan-01
AVC 3 1076	Rail Rear RH	B08	02-Feb-01
AVC 3 1124	Support Header Rear RH	E00	03-Jan-01
AVC 3 1126	Header Rear	E00	03-Jan-01
AVC 3 1127	Roof	D00	06-Jan-01
AVC 3 1130	Member Body Side Inner RH	B03	19-Feb-01
AVC 3 1156	Package Tray Upper	C02	08-Jan-01
AVC 3 1157	Package Tray Lower	C00	22-Dec-00
AVC 3 1160	Support Package Tray Lower RH	C01	03-Jan-01
AVC 3 1162	Rocker Inner RH	A12	11-Apr-01
AVC 3 1170	Body Side Outer RH	B05	10-Apr-01
AVC 3 1172	Body Side Inner Rear RH	B03	08-Mar-01
AVC 3 1178	Gutter Deck Lid RH	B01	04-Jan-01
AVC 3 1188	Rail Rear Outer Floor Extension RH	B03	06-Jan-01
AVC 3 1201	Crossmember Package Tray	B00	22-Dec-00
AVC 3 1208	B-Pillar Inner RH	B01	11-Apr-01
AVC 3 1212	Extension C-Member Supt Front Seat Rr (x2)	A01	05-Jan-01
AVC 3 1214	Support Back Panel	A01	04-Jan-01
AVC 3 1222	Reinf B-Pillar Lower RH	B01	06-Jan-01
AVC 3 1230	Reinf Waist B-Pillar Outer RH	A00	25-Apr-01

2.1.4 Parts Book Sheets - Body Structure



Part Box Size
1344 mm
443 mm
260 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Cowl Front

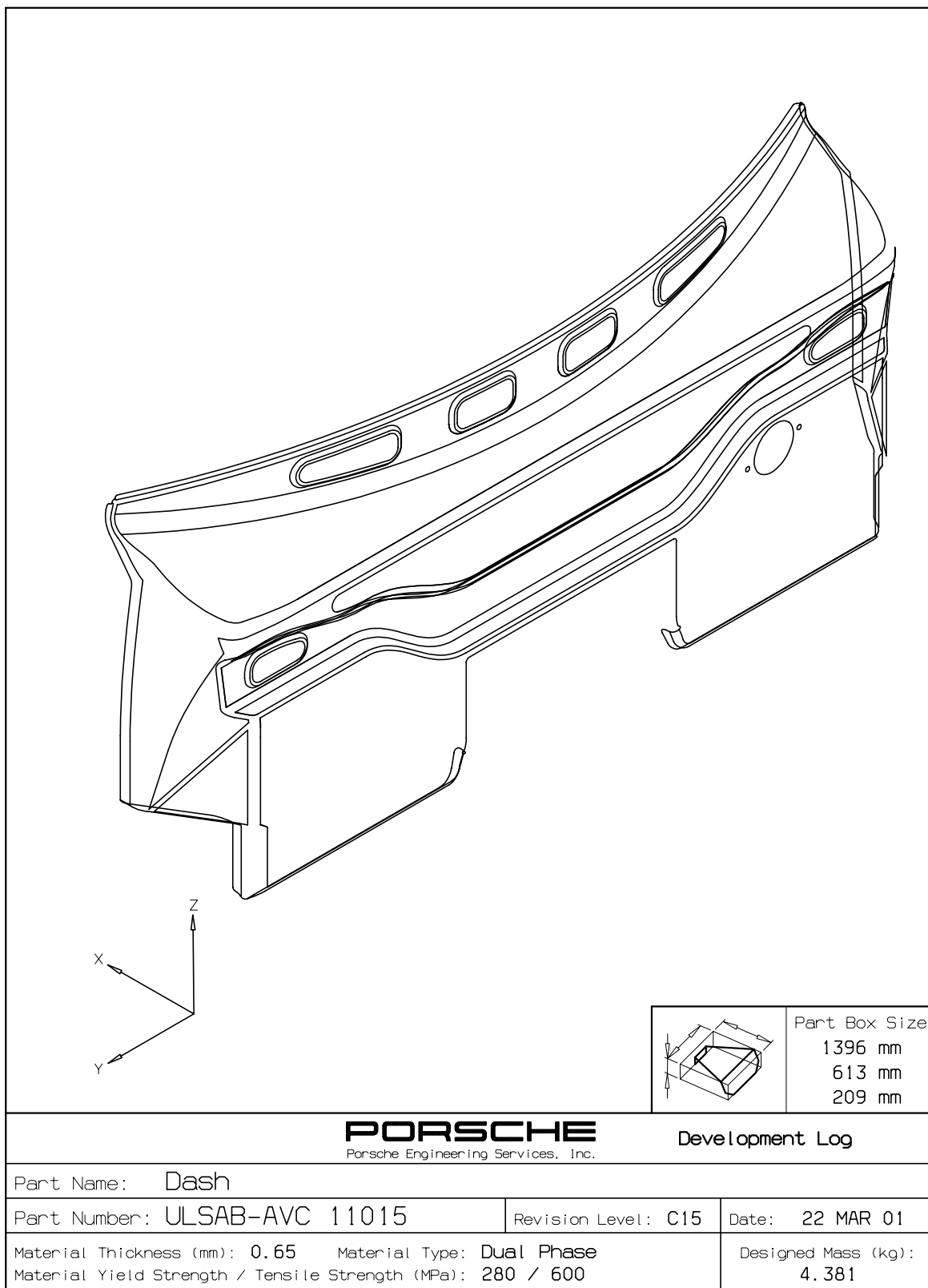
Part Number: ULSAB-AVC 11008

Revision Level: D03

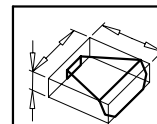
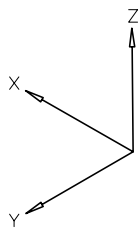
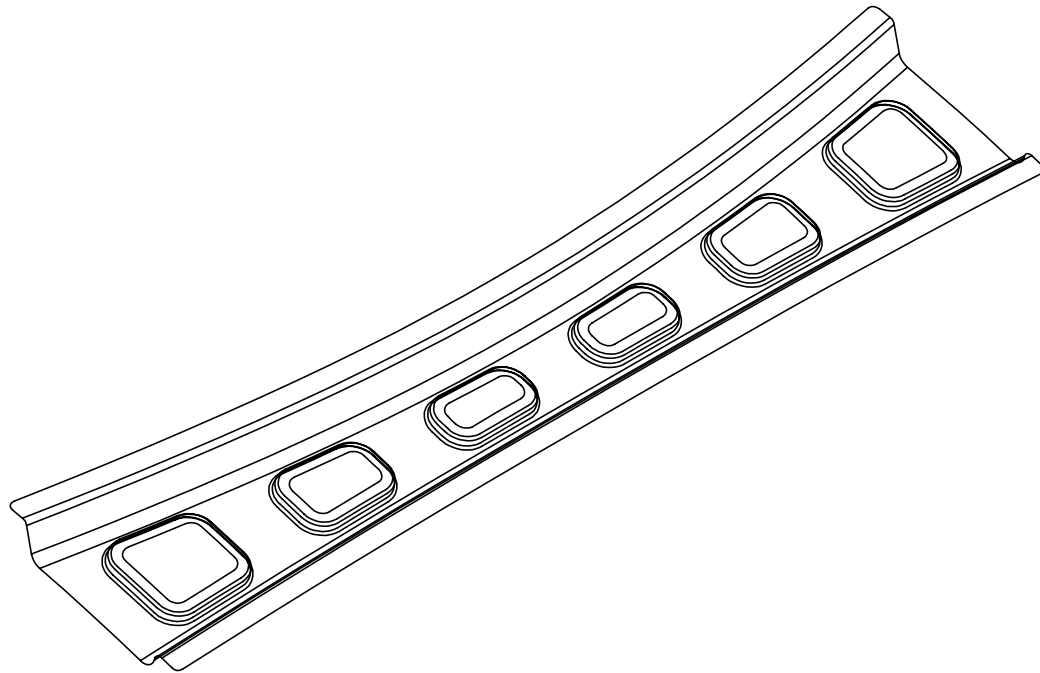
Date: 05 MAR 01

Material Thickness (mm): 0.80 Material Type: Dual Phase
Material Yield Strength / Tensile Strength (MPa): 500 / 800

Designed Mass (kg):
4.416



2.1.4 Parts Book Sheets - Body Structure



Part Box Size
798 mm
167 mm
45 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Header Front

Part Number: ULSAB-AVC 11045

Revision Level: E01

Date: 09 MAR 01

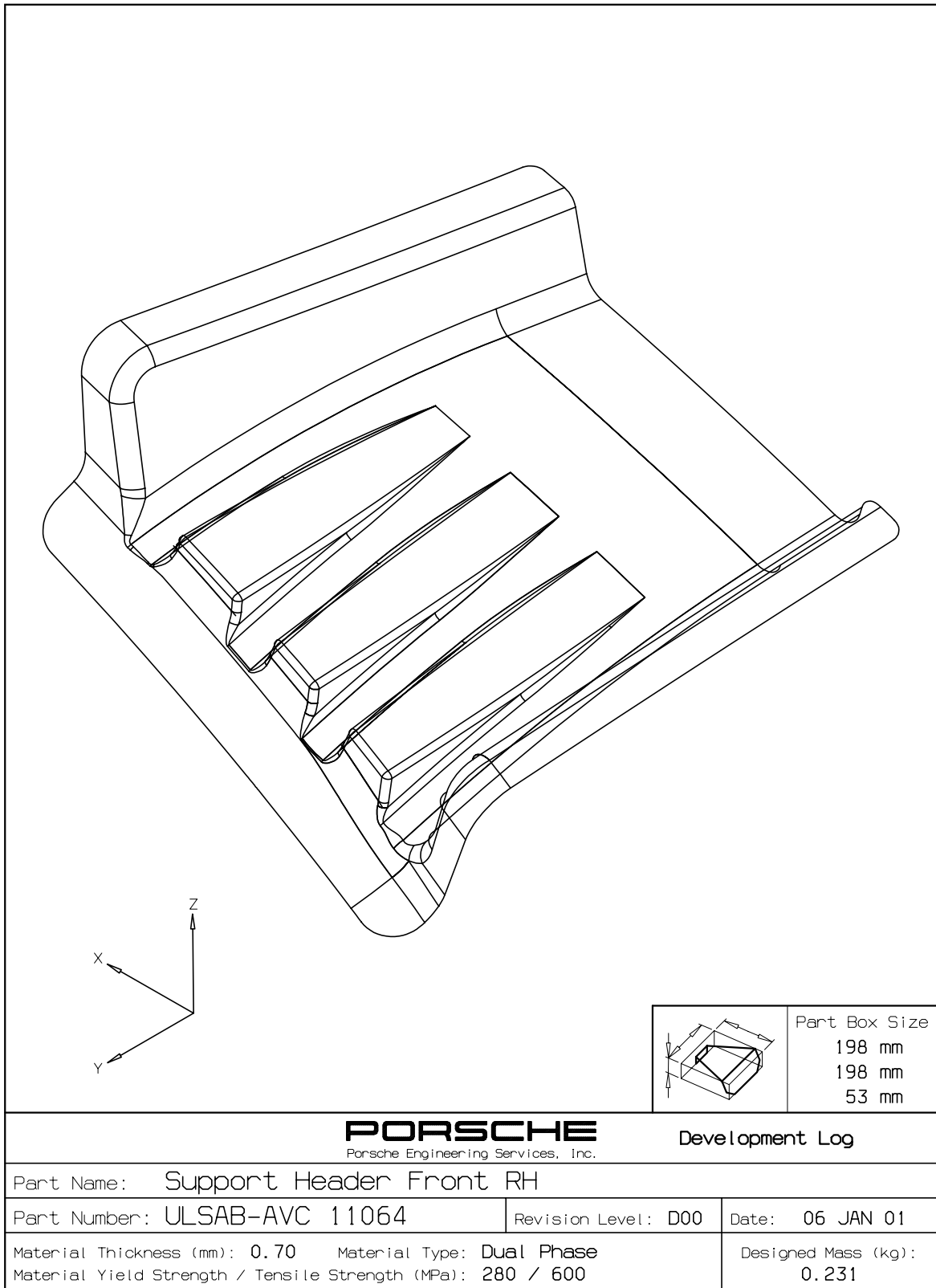
Material Thickness (mm): 0.70 Material Type: Interstitial-Free

Material Yield Strength / Tensile Strength (MPa): 300 / 420

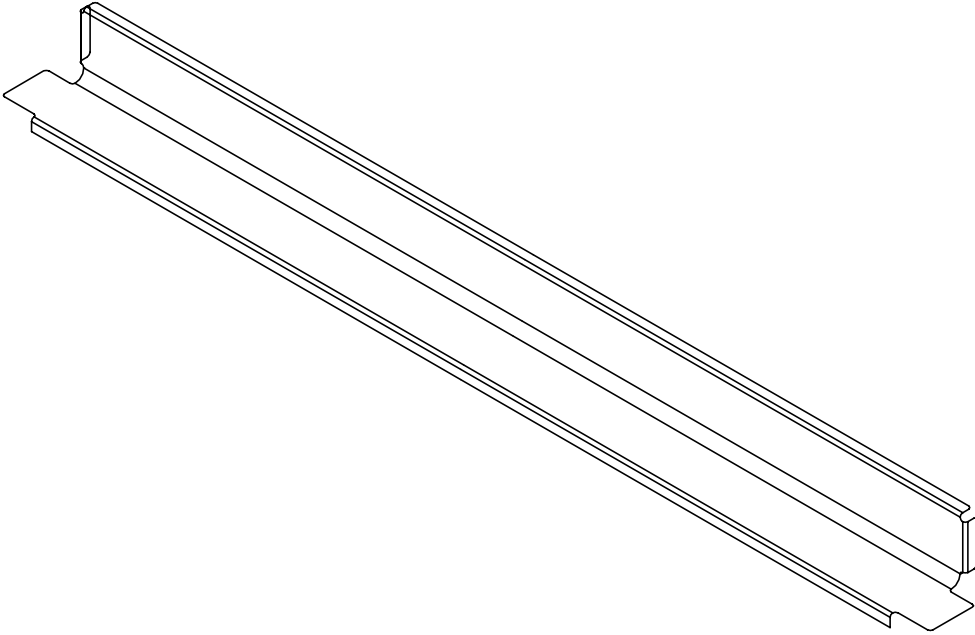
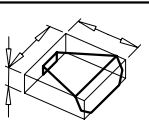
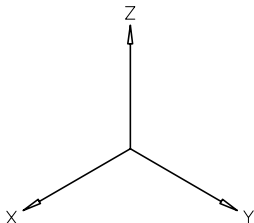

Designed Mass (kg):

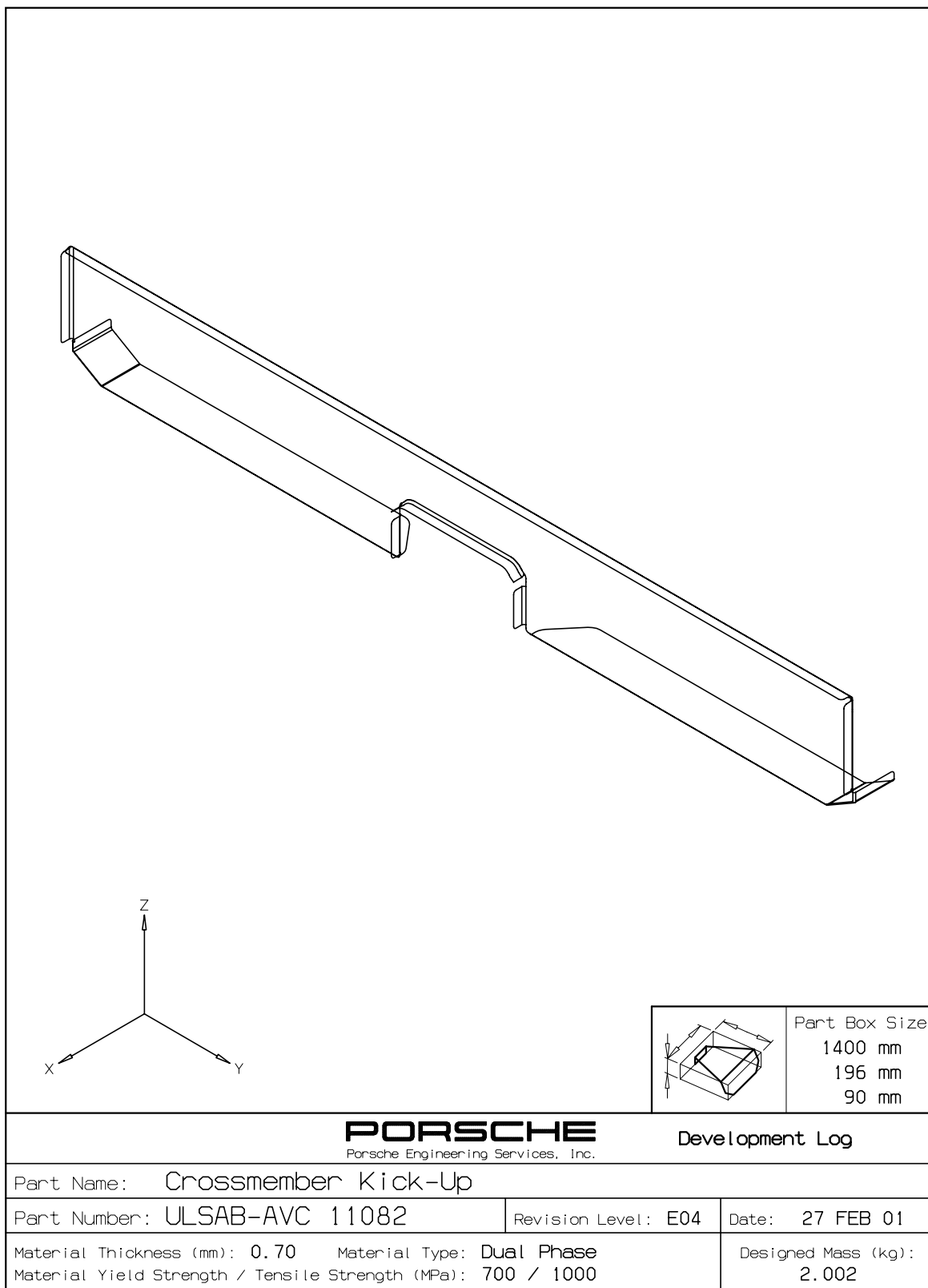
0.686

2.1.4 Parts Book Sheets - Body Structure

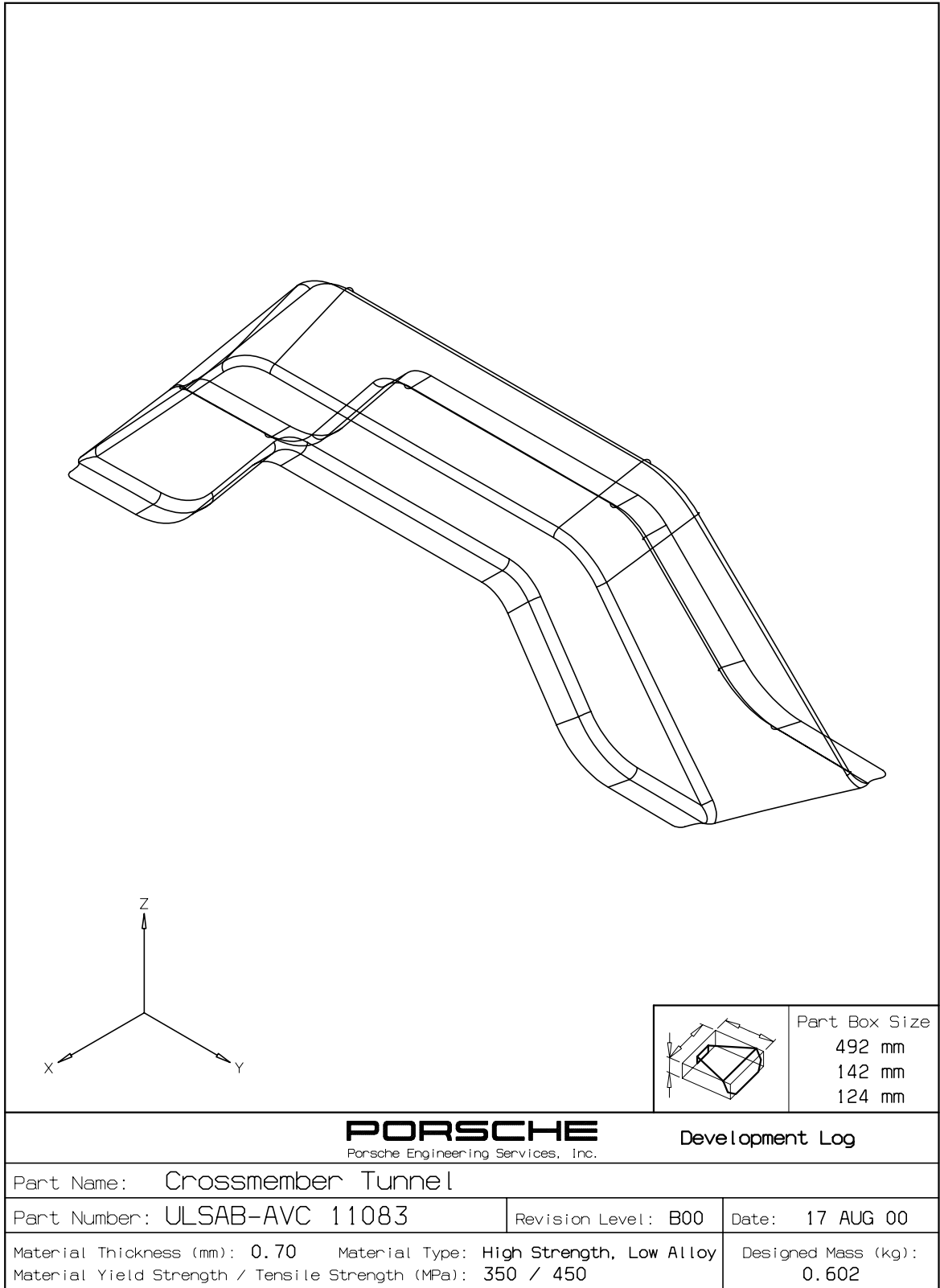


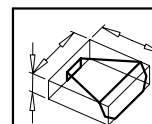
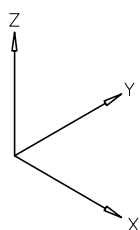
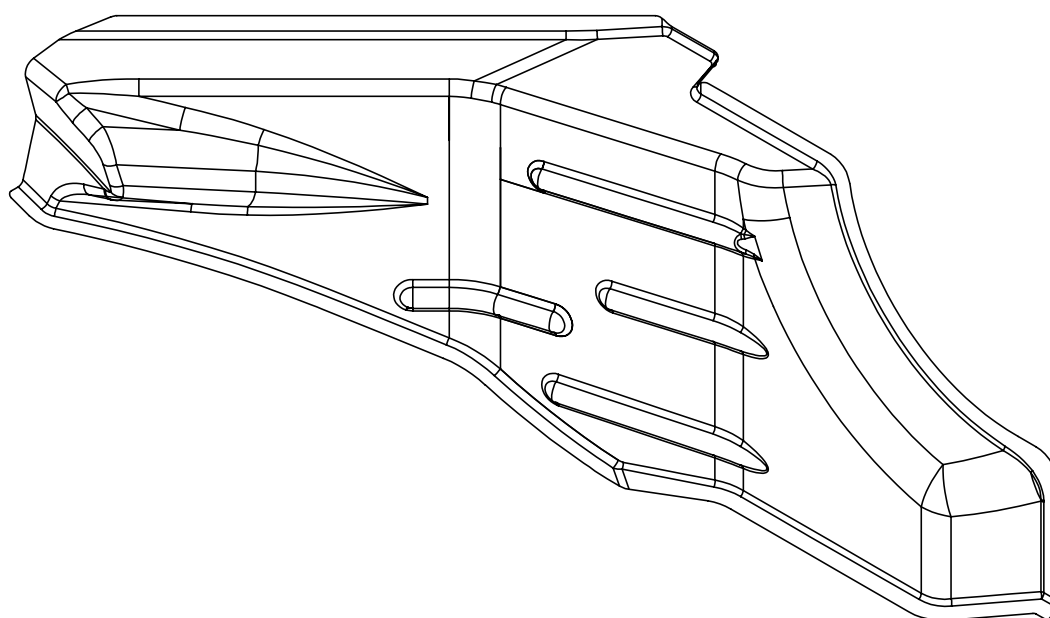
2.1.4 Parts Book Sheets - Body Structure

						Part Box Size		
						1111 mm 85 mm 85 mm		
						Development Log		
Part Name: Crossmember Back Panel								
Part Number: ULSAB-AVC 11075					Revision Level: C00		Date: 24 OCT 00	
Material Thickness (mm): 0.65					Material Type: Dual Phase		Designed Mass (kg):	
Material Yield Strength / Tensile Strength (MPa): 280 / 600							0.832	



2.1.4 Parts Book Sheets - Body Structure





Part Box Size
822 mm
331 mm
234 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Bulkhead Crash Box Dash RH

Part Number: ULSAB-AVC 11088

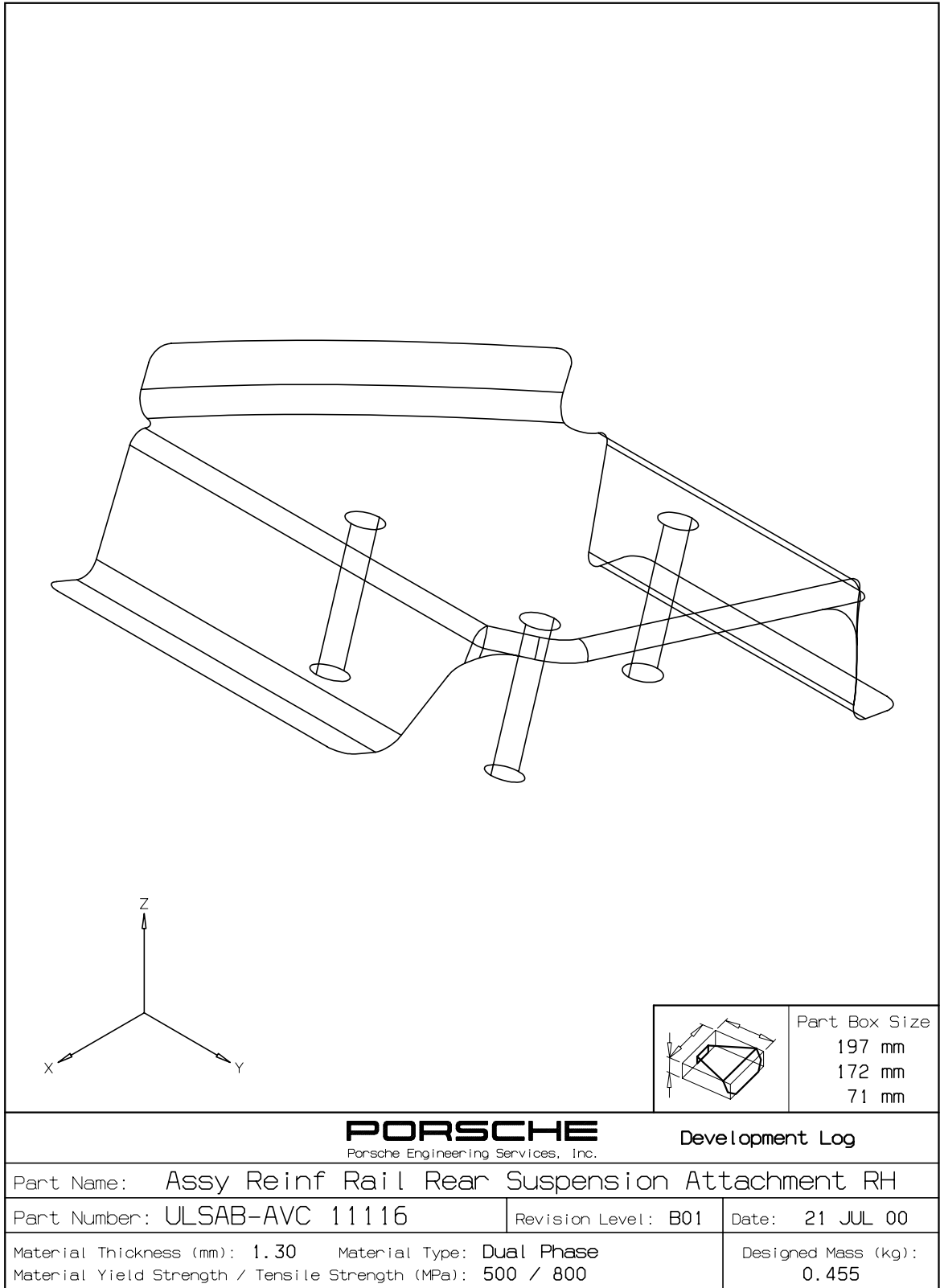
Revision Level: D01

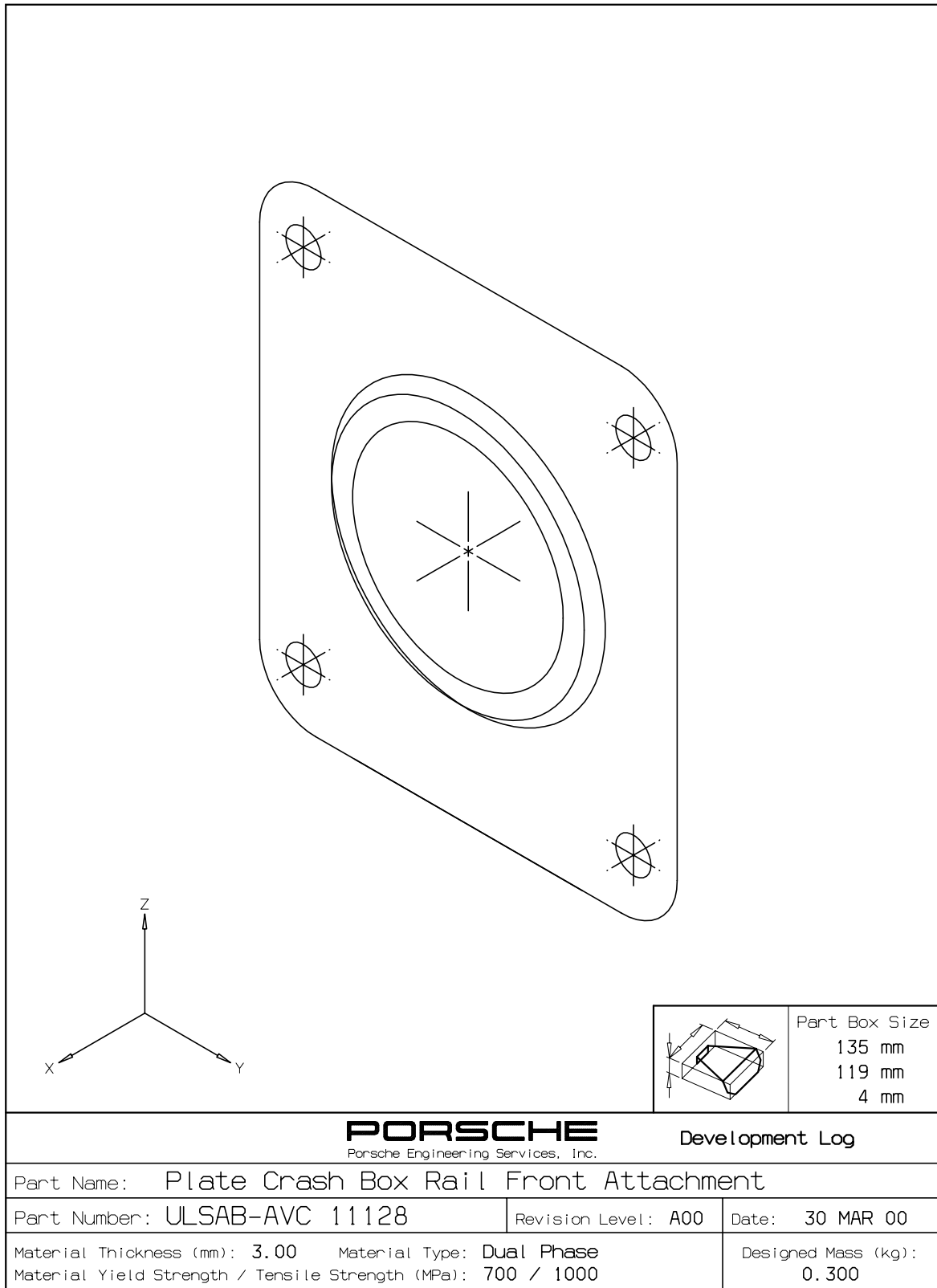
Date: 04 DEC 00

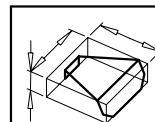
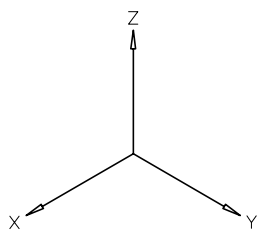
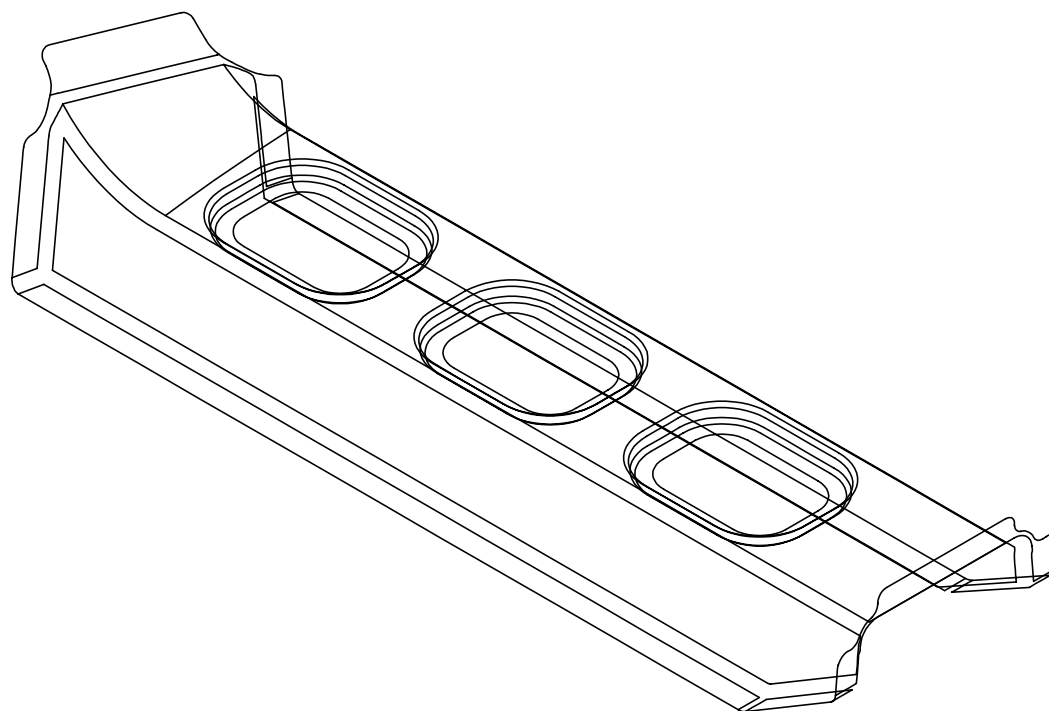
Material Thickness (mm): 1.20 Material Type: Dual Phase
Material Yield Strength / Tensile Strength (MPa): 700 / 1000

Designed Mass (kg):
2.376

2.1.4 Parts Book Sheets - Body Structure







Part Box Size
483 mm
130 mm
97 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Crossmember Support Front Seat Front RH

Part Number: ULSAB-AVC 11134

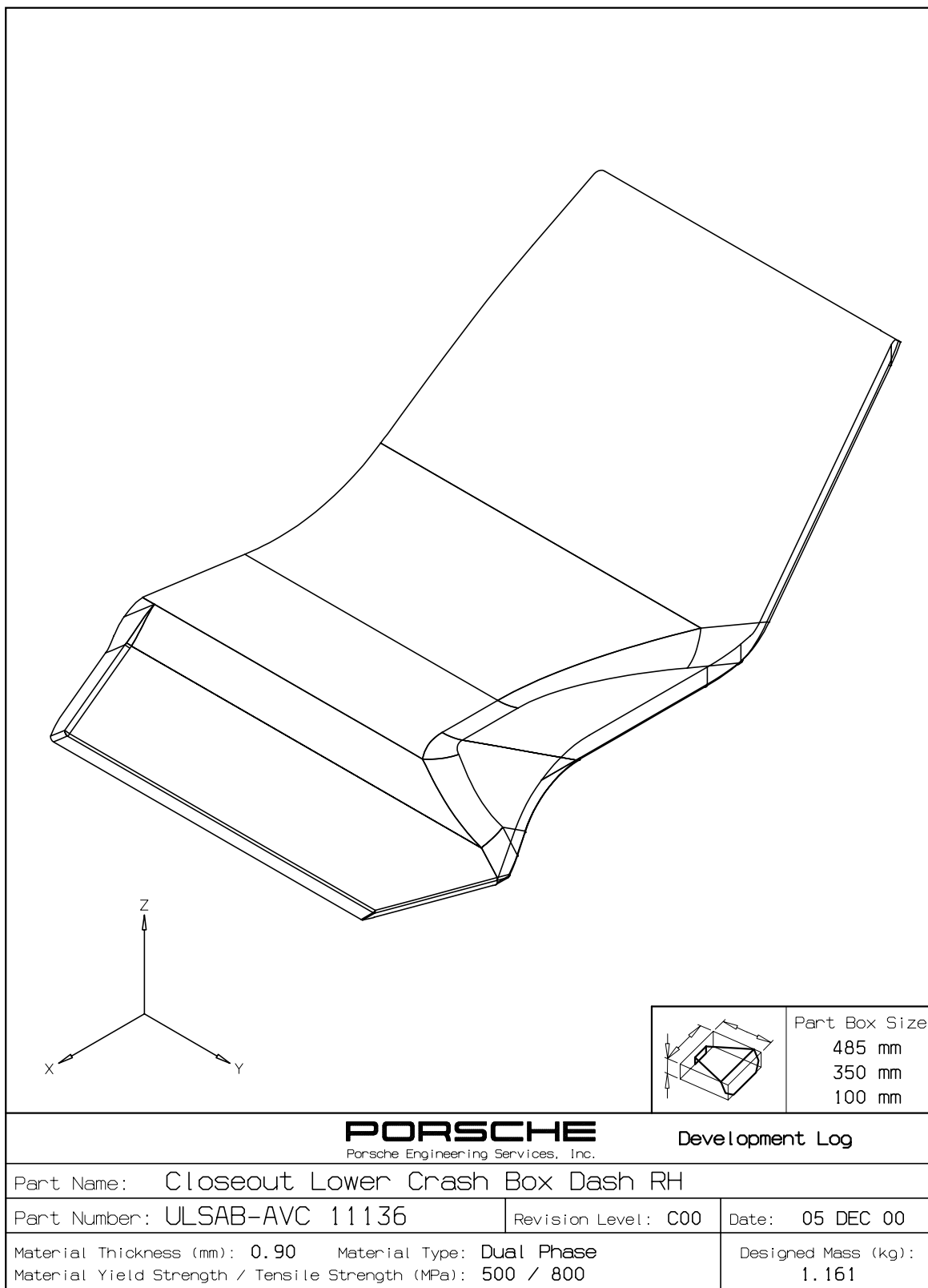
Revision Level: C03

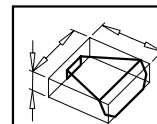
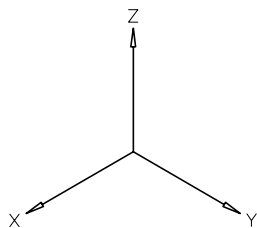
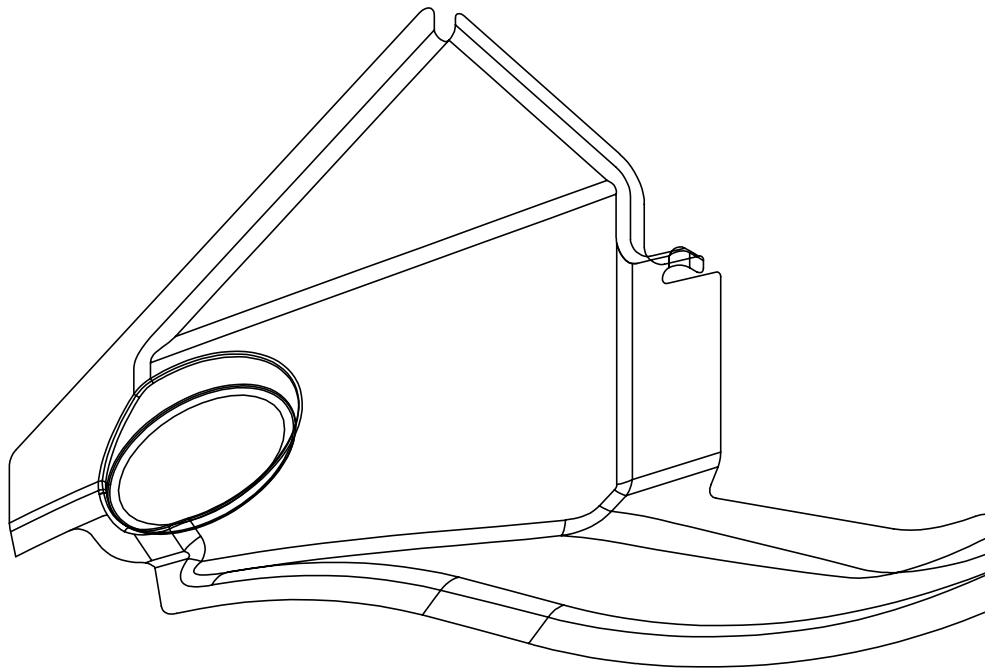
Date: 09 MAR 01

Material Thickness (mm): 0.70 Material Type: Complex Phase

Material Yield Strength / Tensile Strength (MPa): 700 / 800

Designed Mass (kg):
0.567





Part Box Size
675 mm
475 mm
175 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Closeout Inner Crash Box Dash RH

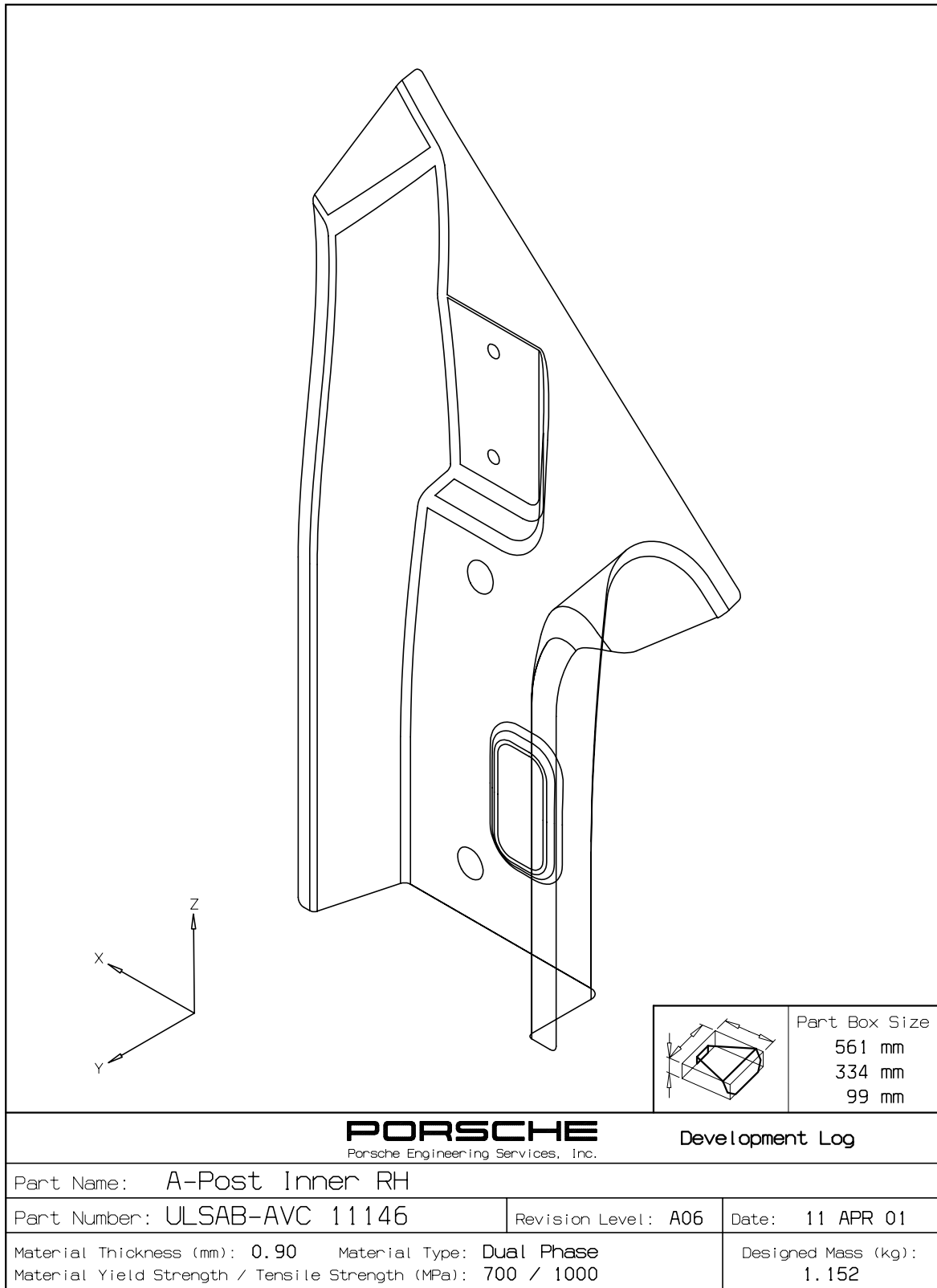
Part Number: ULSAB-AVC 11138

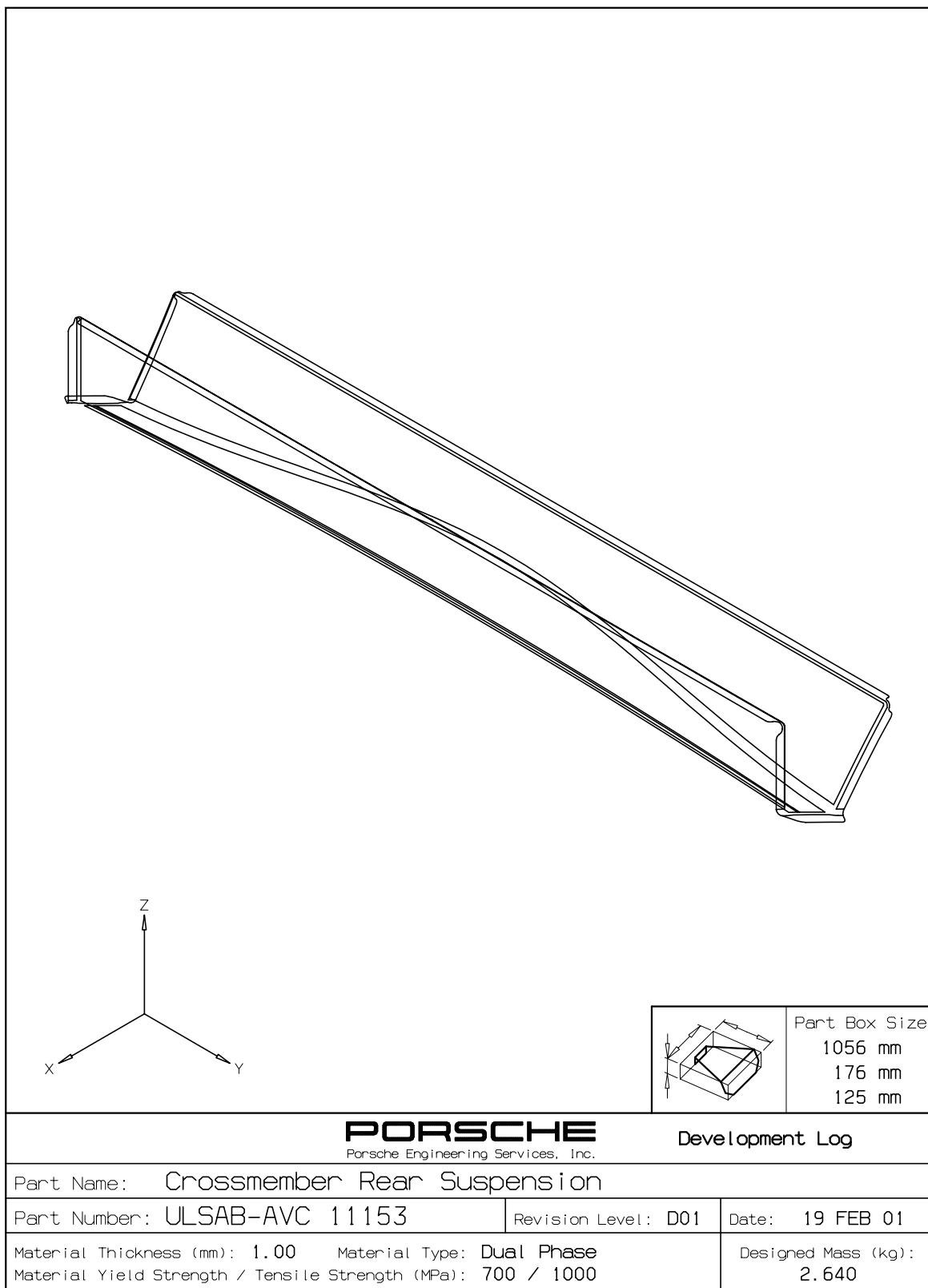
Revision Level: A05

Date: 20 OCT 00

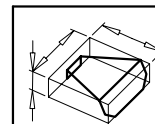
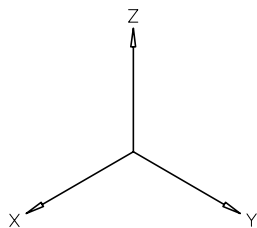
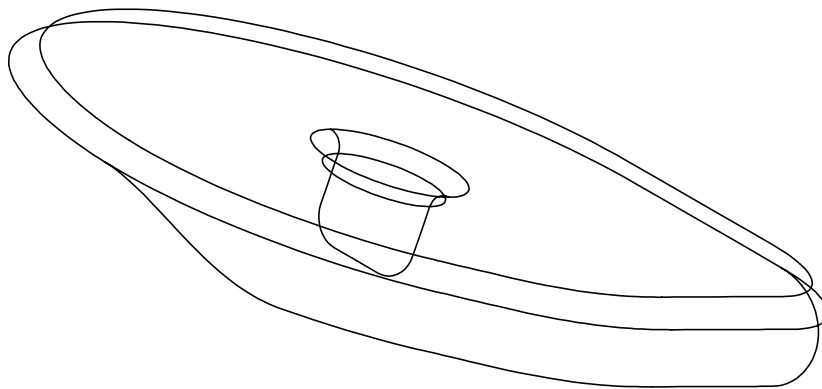
Material Thickness (mm): 0.80 Material Type: Dual Phase
Material Yield Strength / Tensile Strength (MPa): 400 / 700

Designed Mass (kg):
1.072





2.1.4 Parts Book Sheets - Body Structure



Part Box Size
124 mm
122 mm
17 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Reinforcement Rail Rear Spring Attachment RH

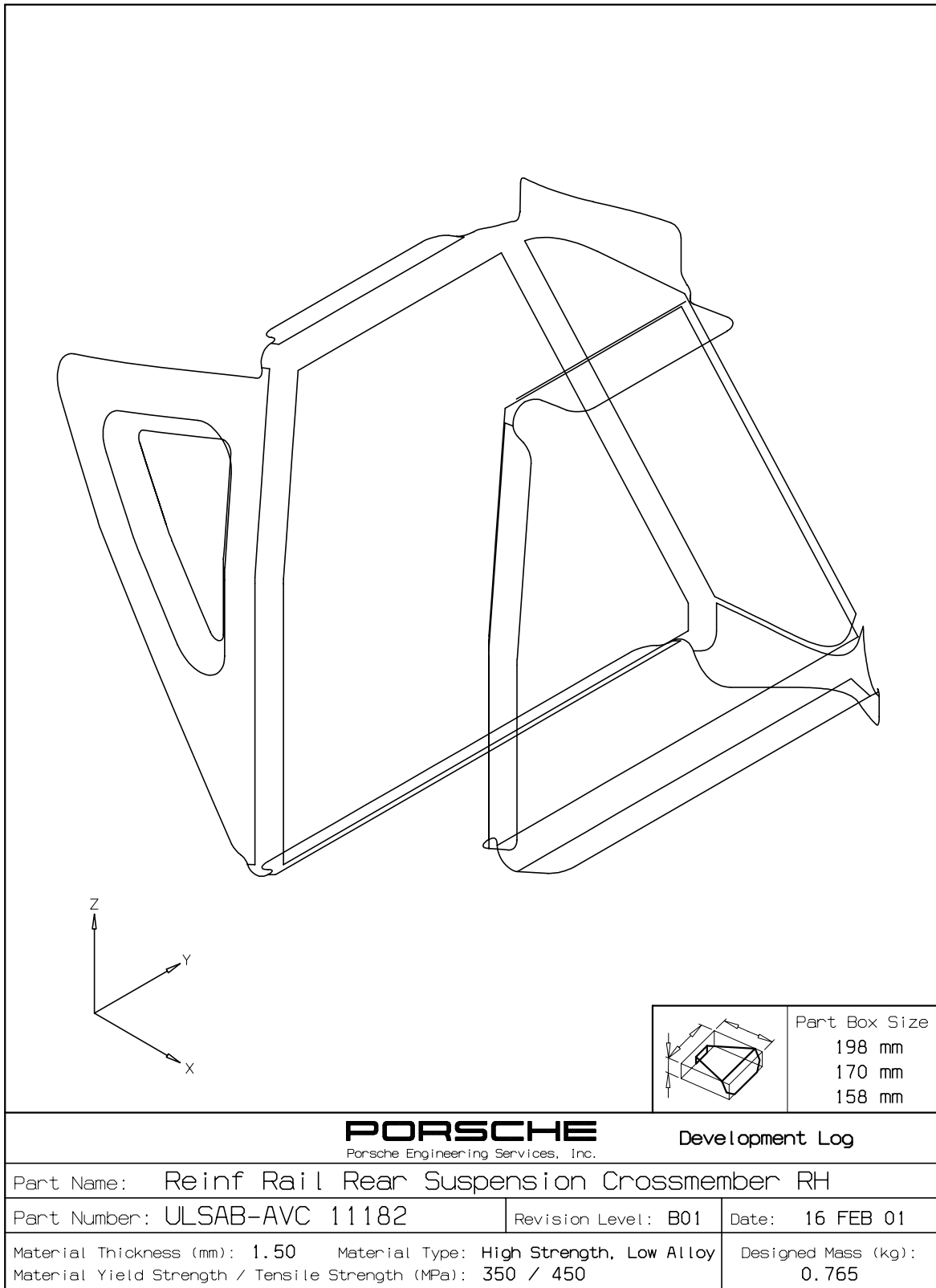
Part Number: ULSAB-AVC 11168

Revision Level: B01

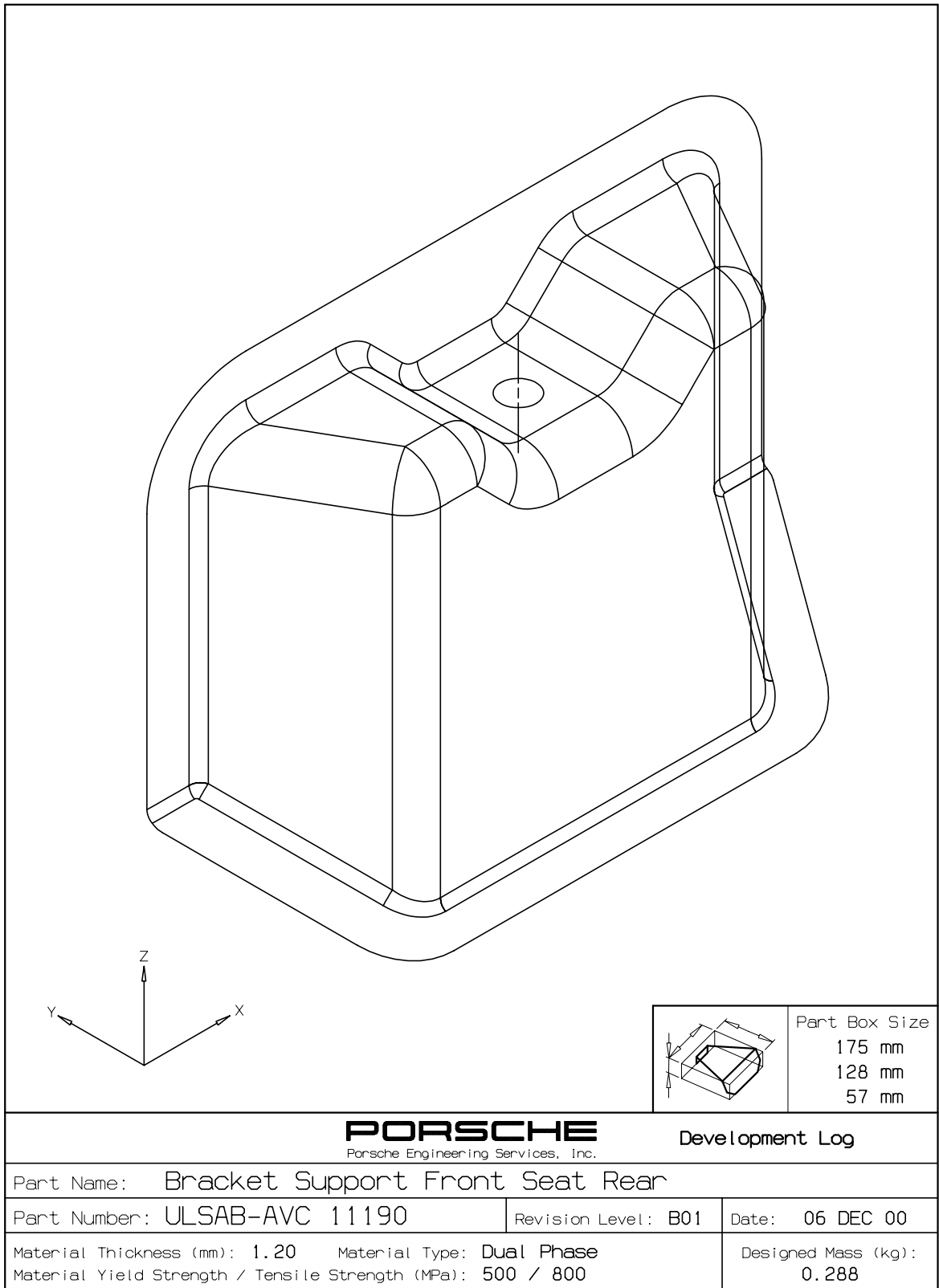
Date: 03 FEB 01

Material Thickness (mm): 1.20 Material Type: High Strength, Low Alloy
Material Yield Strength / Tensile Strength (MPa): 350 / 450

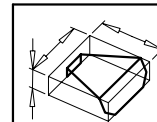
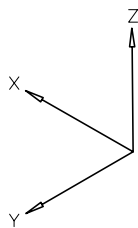
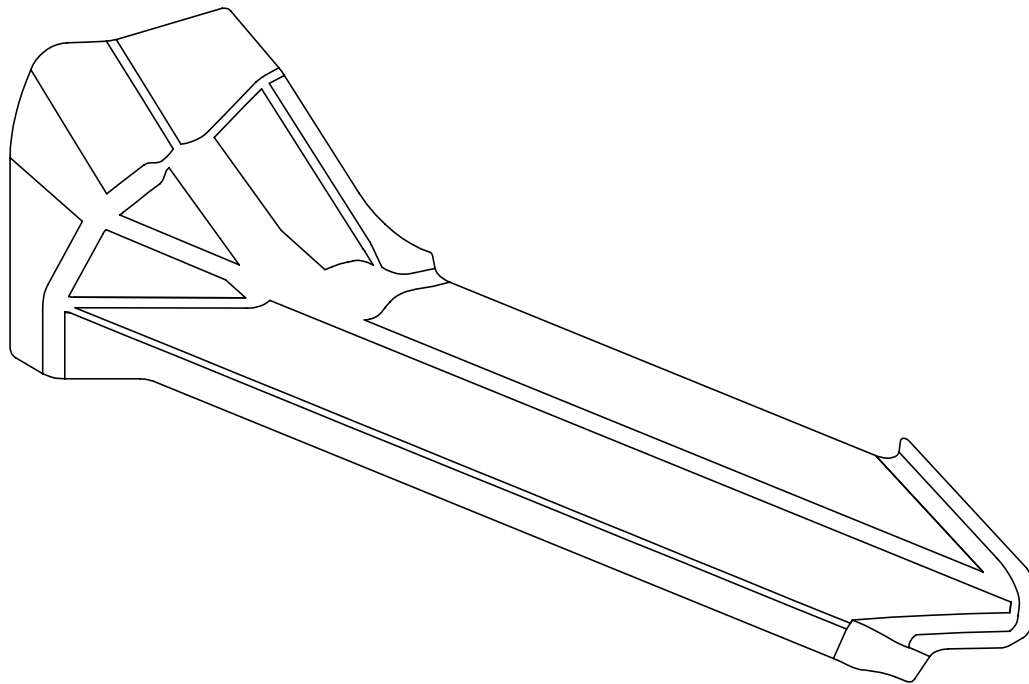
Designed Mass (kg):
0.144



2.1.4 Parts Book Sheets - Body Structure



2.1.4 Parts Book Sheets - Body Structure



Part Box Size
761 mm
305 mm
108 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Reinforcement Crash Box Dash RH

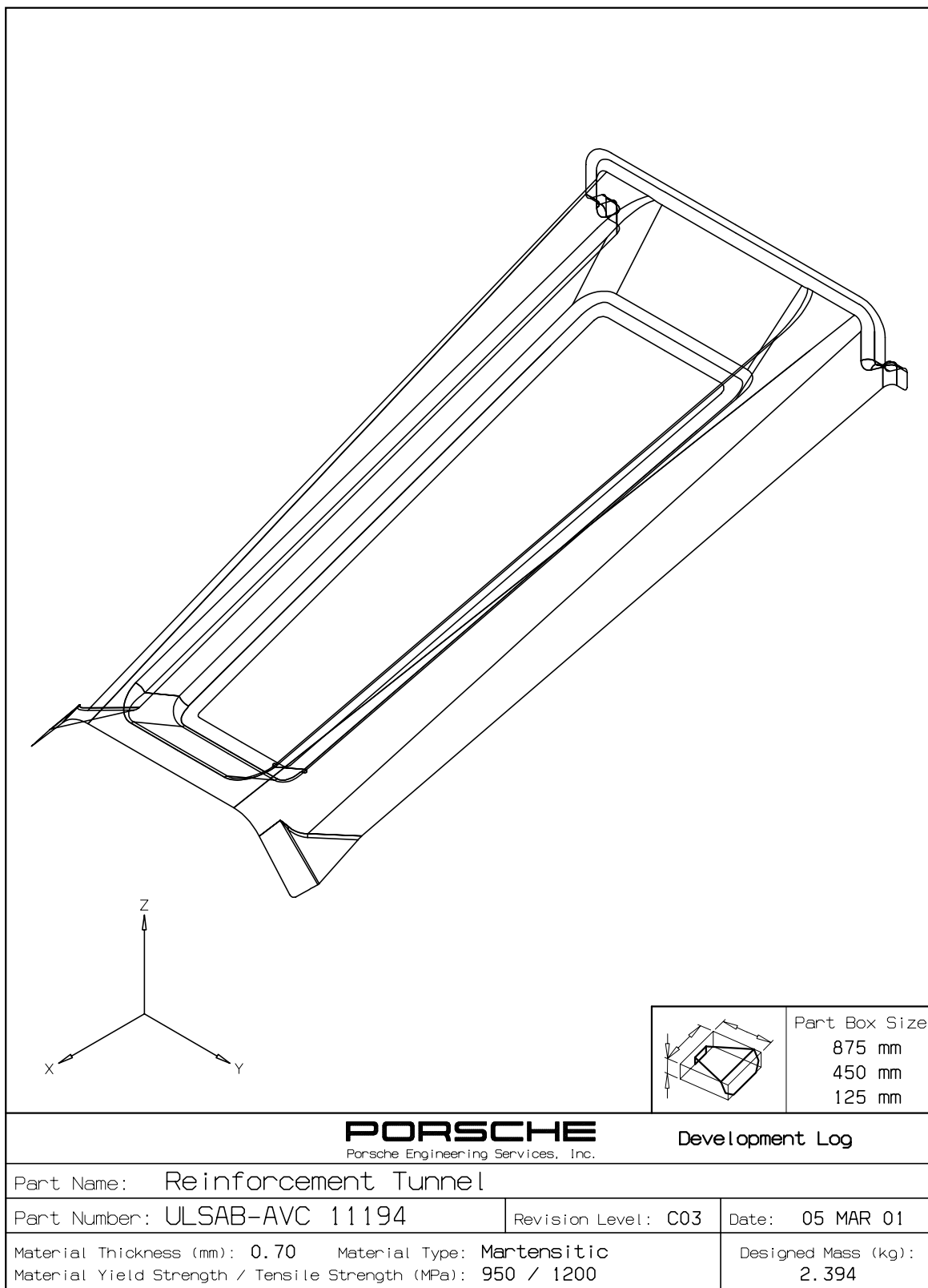
Part Number: ULSAB-AVC 11192

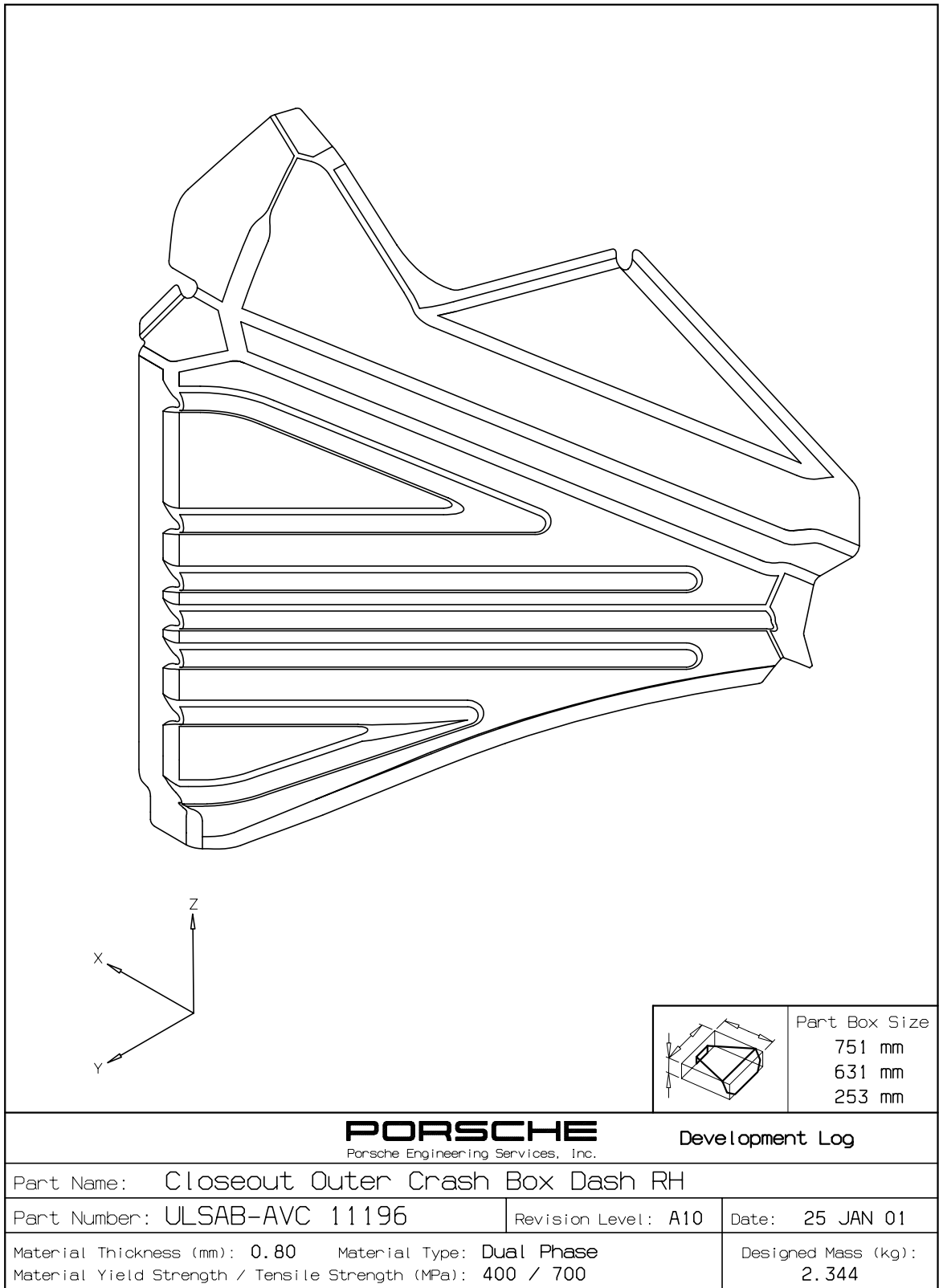
Revision Level: A03

Date: 25 JAN 01

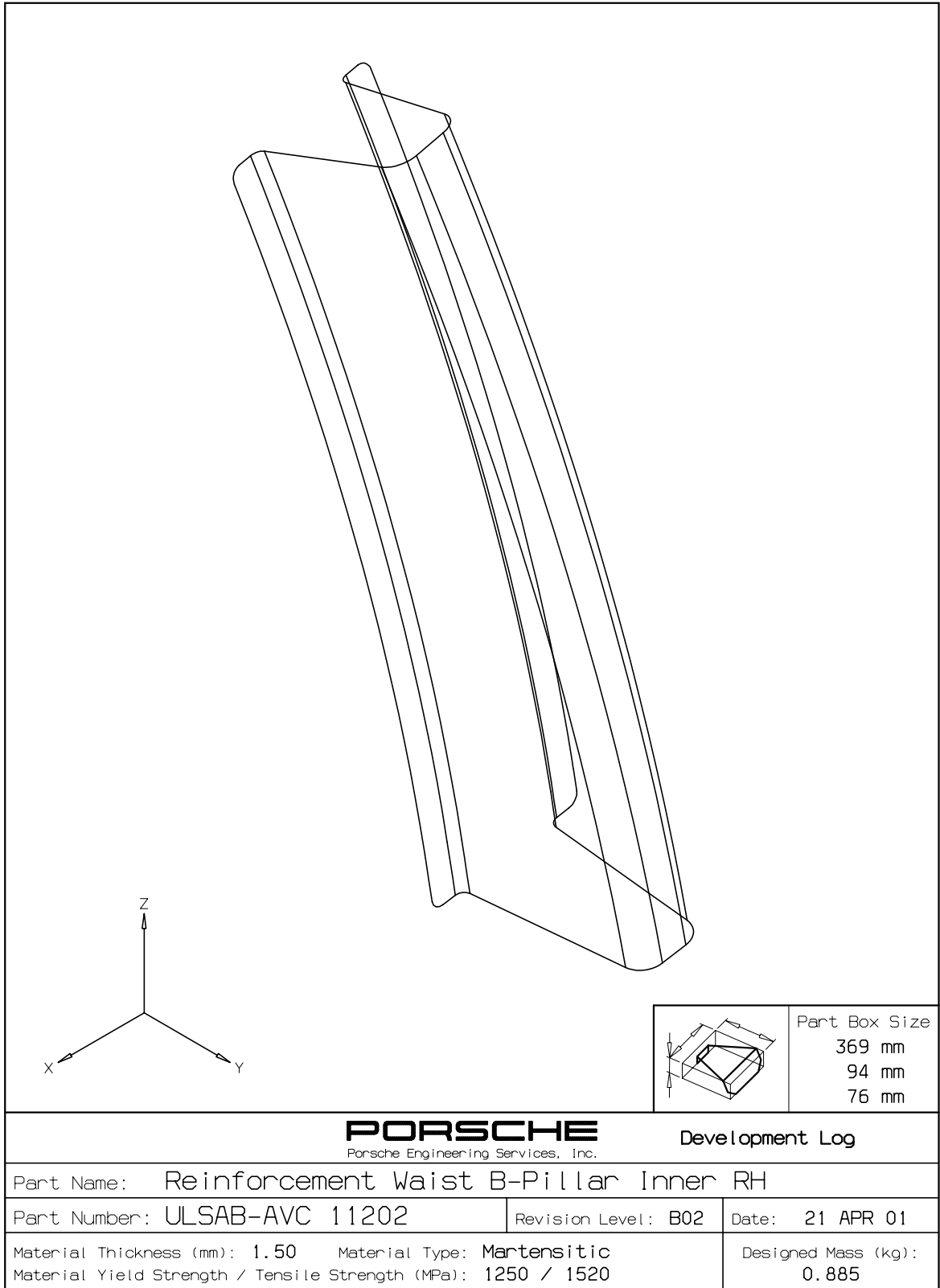
Material Thickness (mm): 1.00 Material Type: Dual Phase
Material Yield Strength / Tensile Strength (MPa): 400 / 700

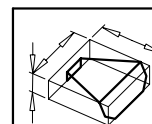
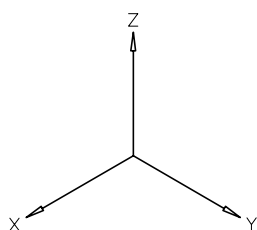
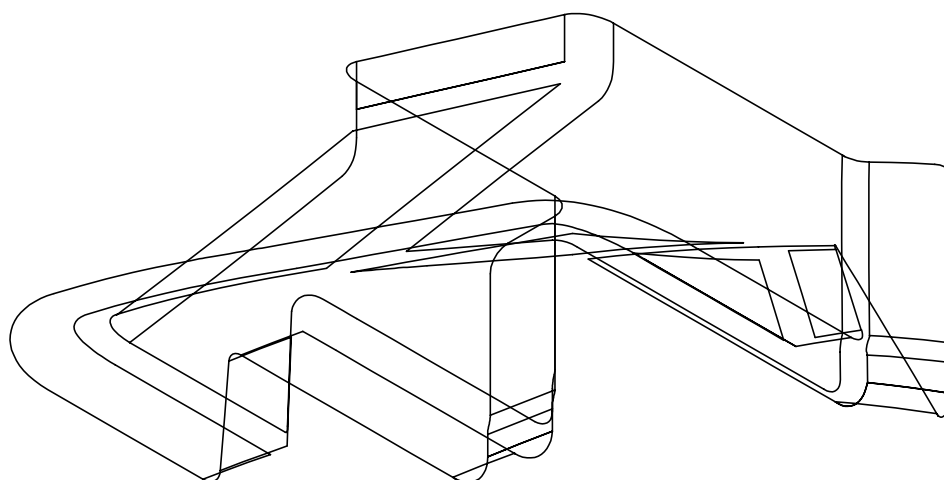
Designed Mass (kg):
1.170





2.1.4 Parts Book Sheets - Body Structure





Part Box Size
185 mm
175 mm
105 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Bracket Member Body Side Inner Attach Rear RH

Part Number: ULSAB-AVC 11216

Revision Level: A02

Date: 15 MAR 01

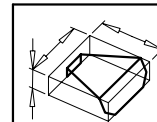
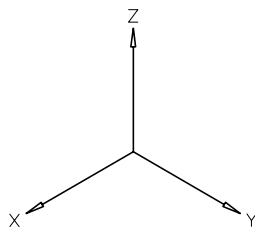
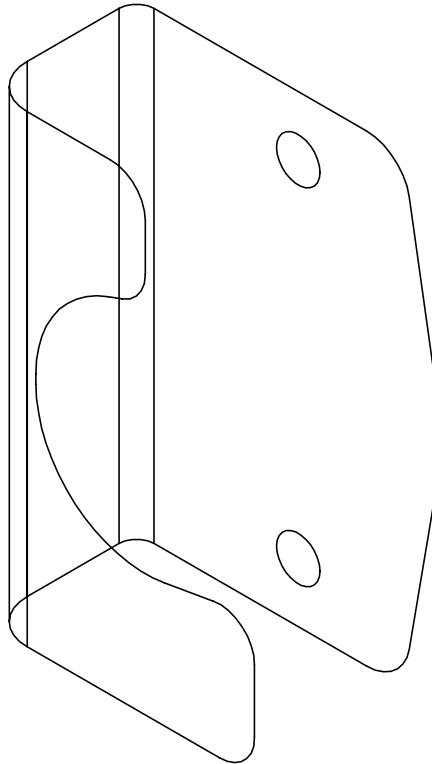
Material Thickness (mm): 1.20 Material Type: Dual Phase

Material Yield Strength / Tensile Strength (MPa): 500 / 800

Designed Mass (kg):

0.396

2.1.4 Parts Book Sheets - Body Structure



Part Box Size
106 mm
69 mm
35 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Bracket C-Member Instrument Panel Attachment RH

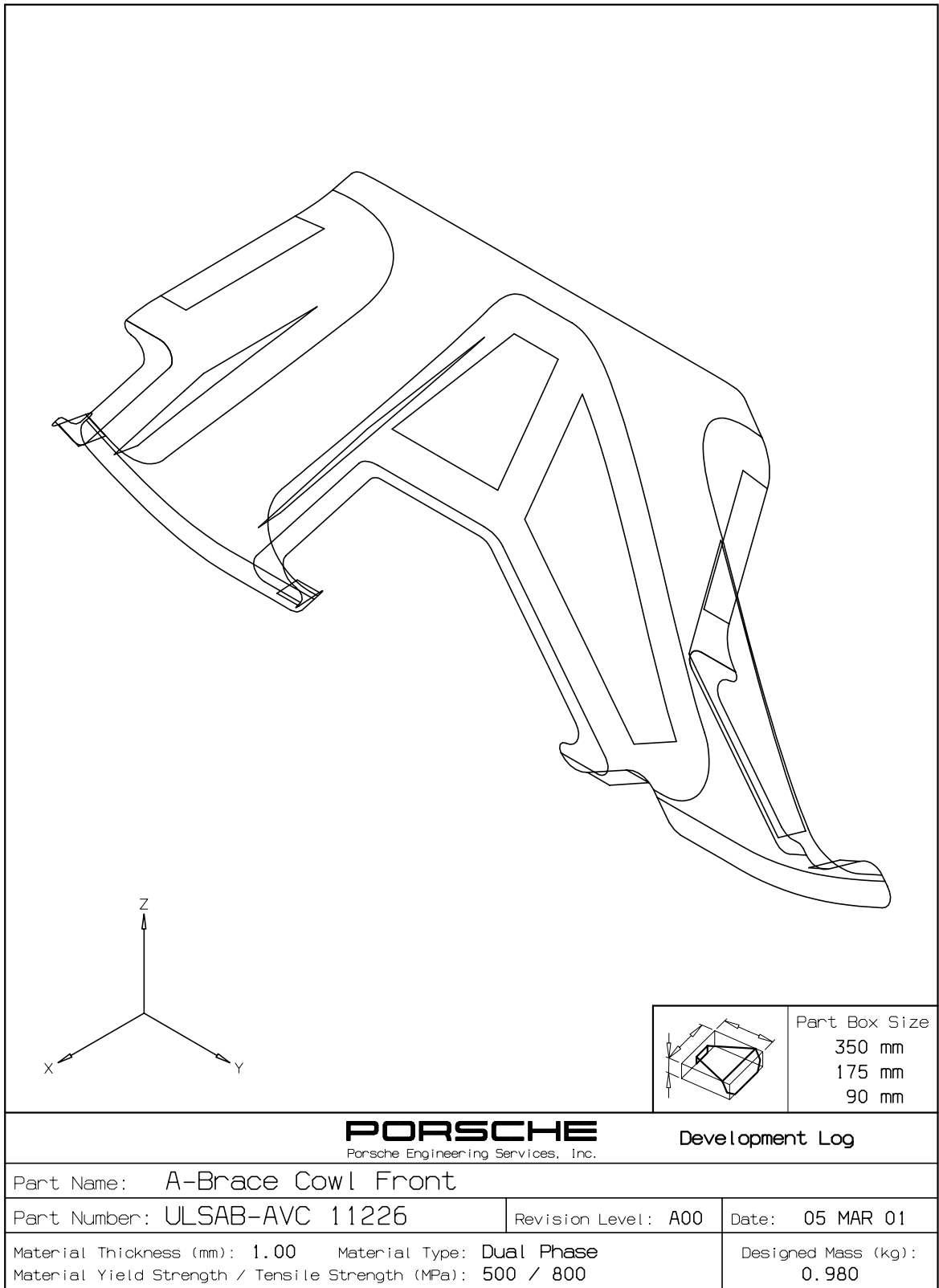
Part Number: ULSAB-AVC 11224

Revision Level: A00

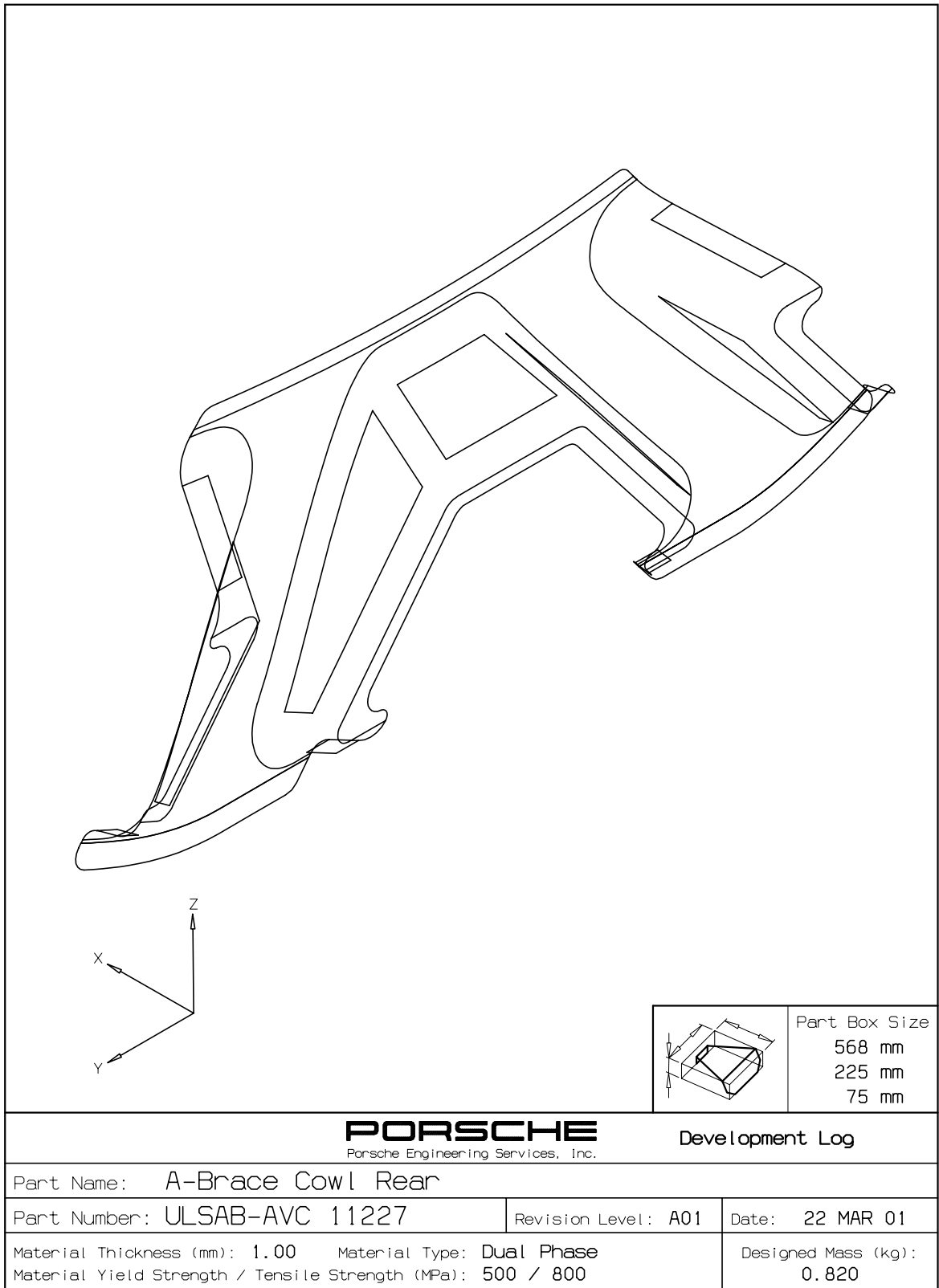
Date: 27 FEB 01

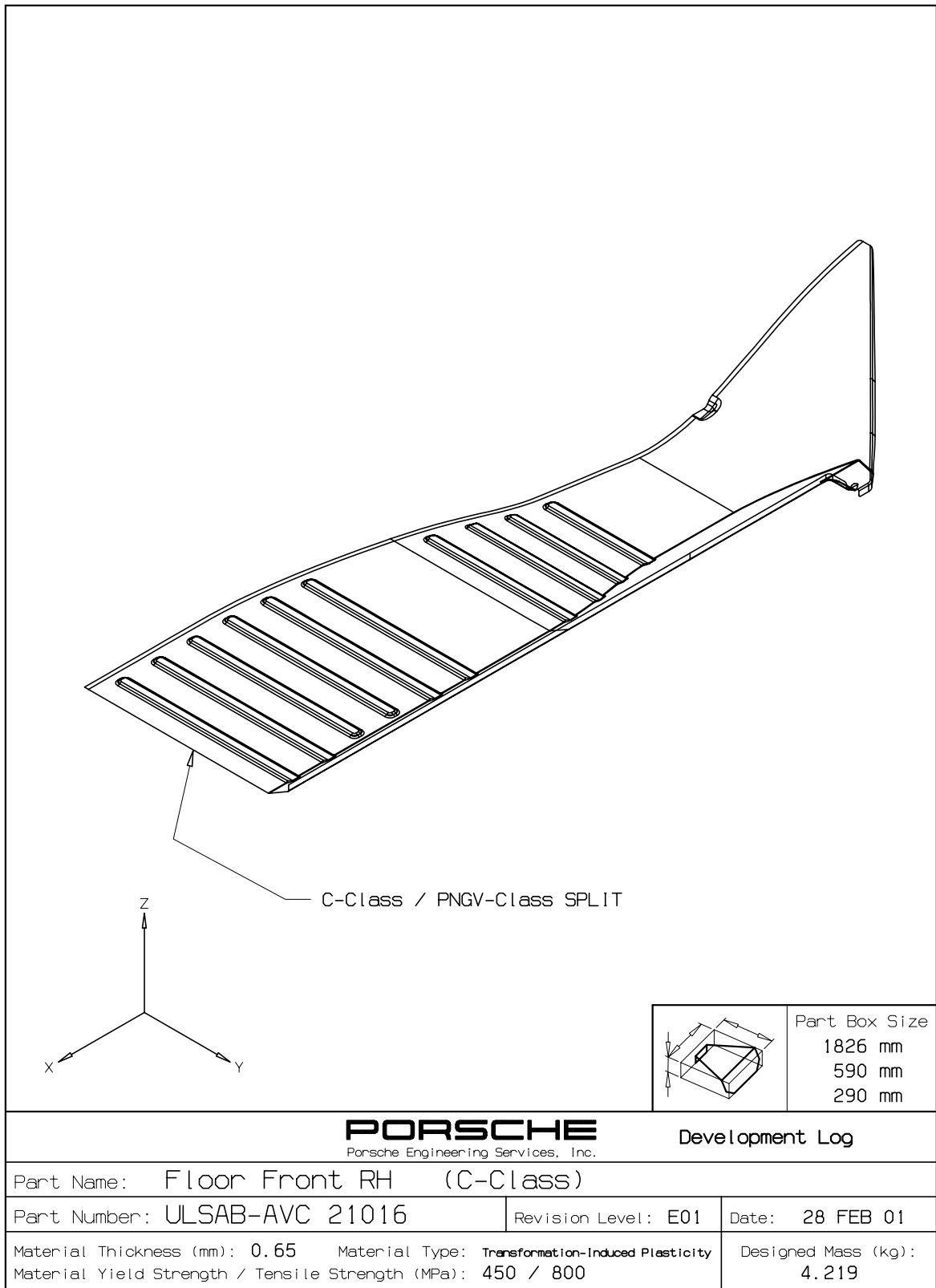
Material Thickness (mm): 1.20 Material Type: High Strength, Low Alloy
Material Yield Strength / Tensile Strength (MPa): 350 / 450

Designed Mass (kg):
0.132

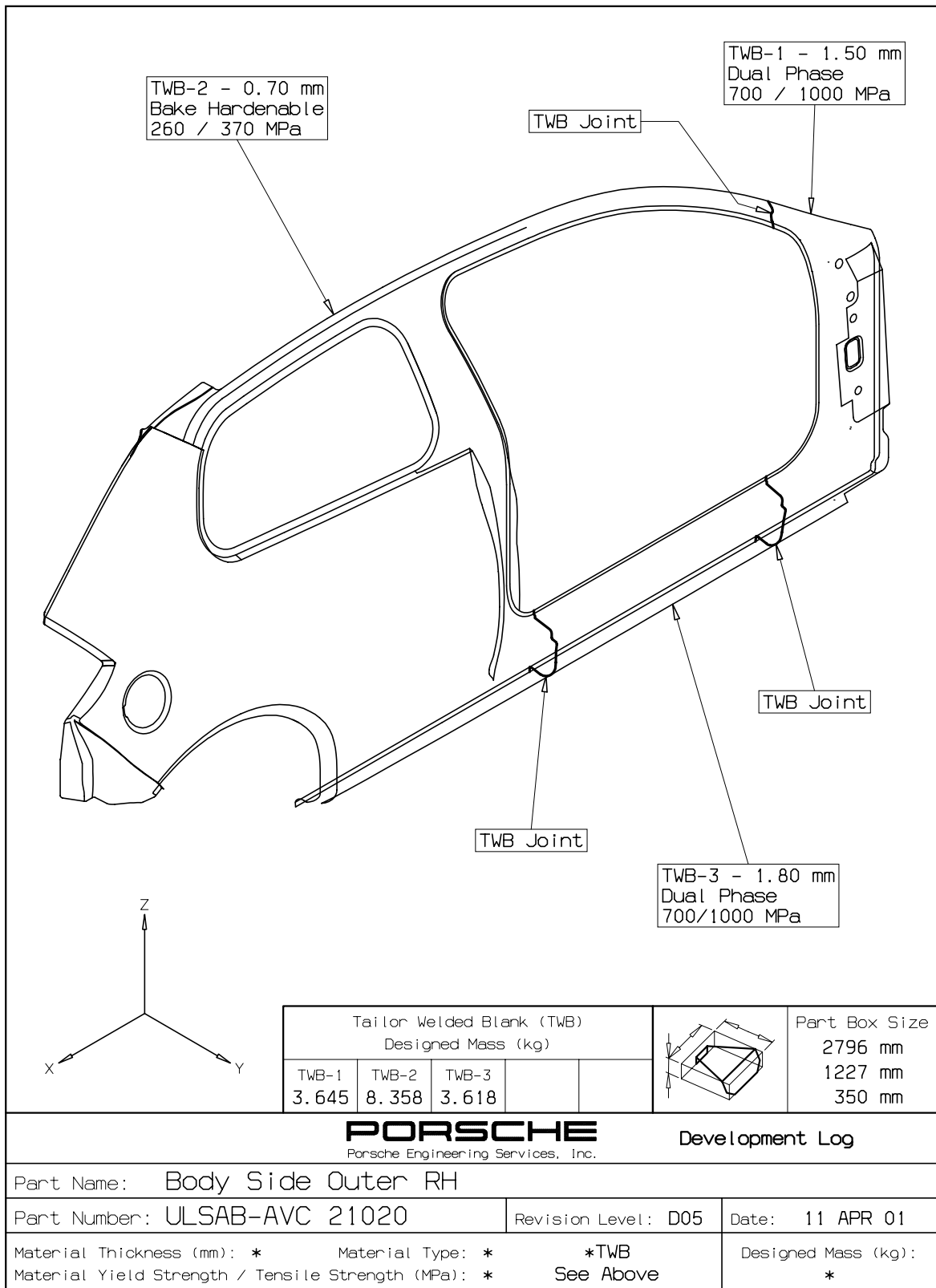


2.1.4 Parts Book Sheets - Body Structure

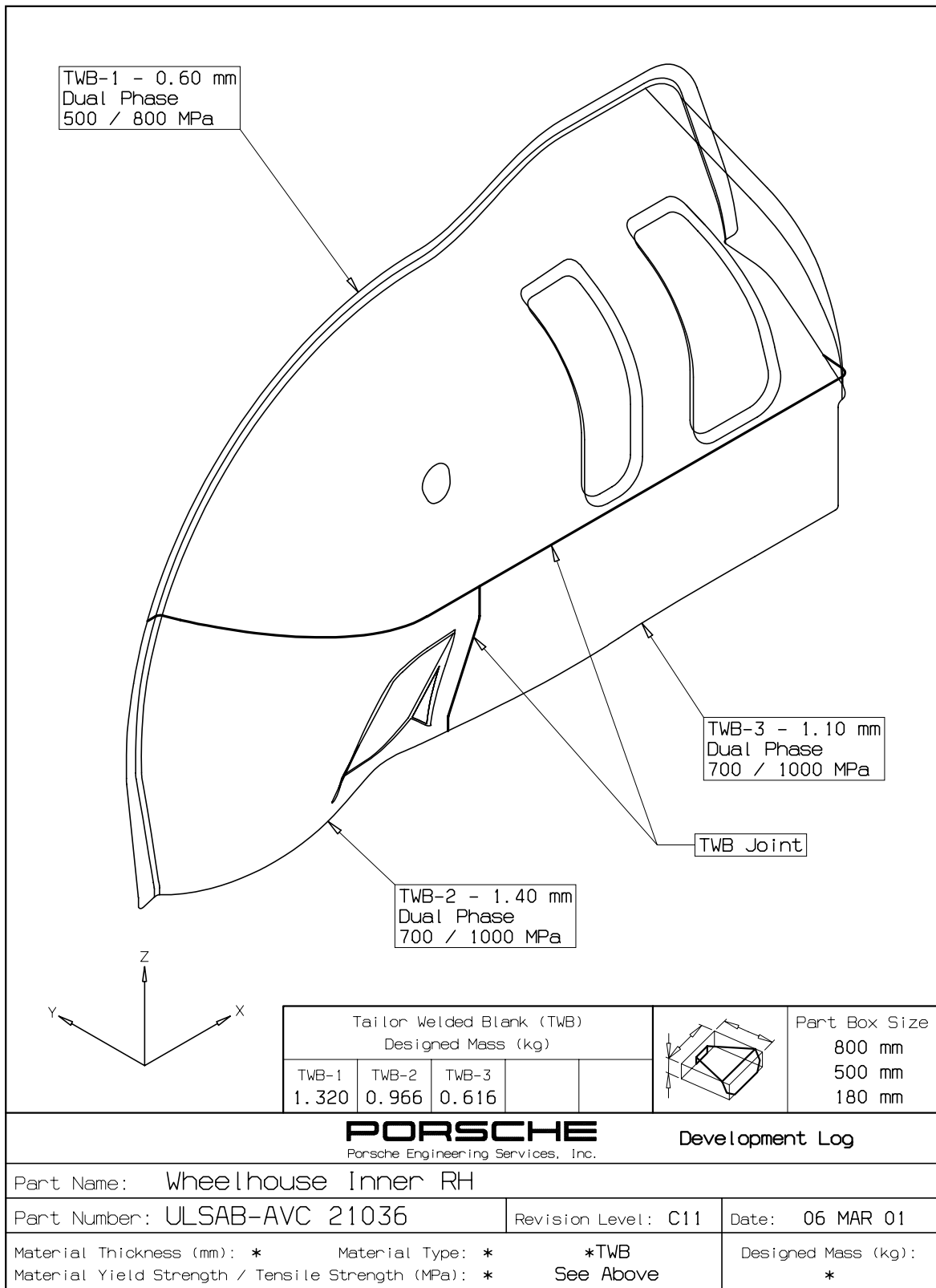




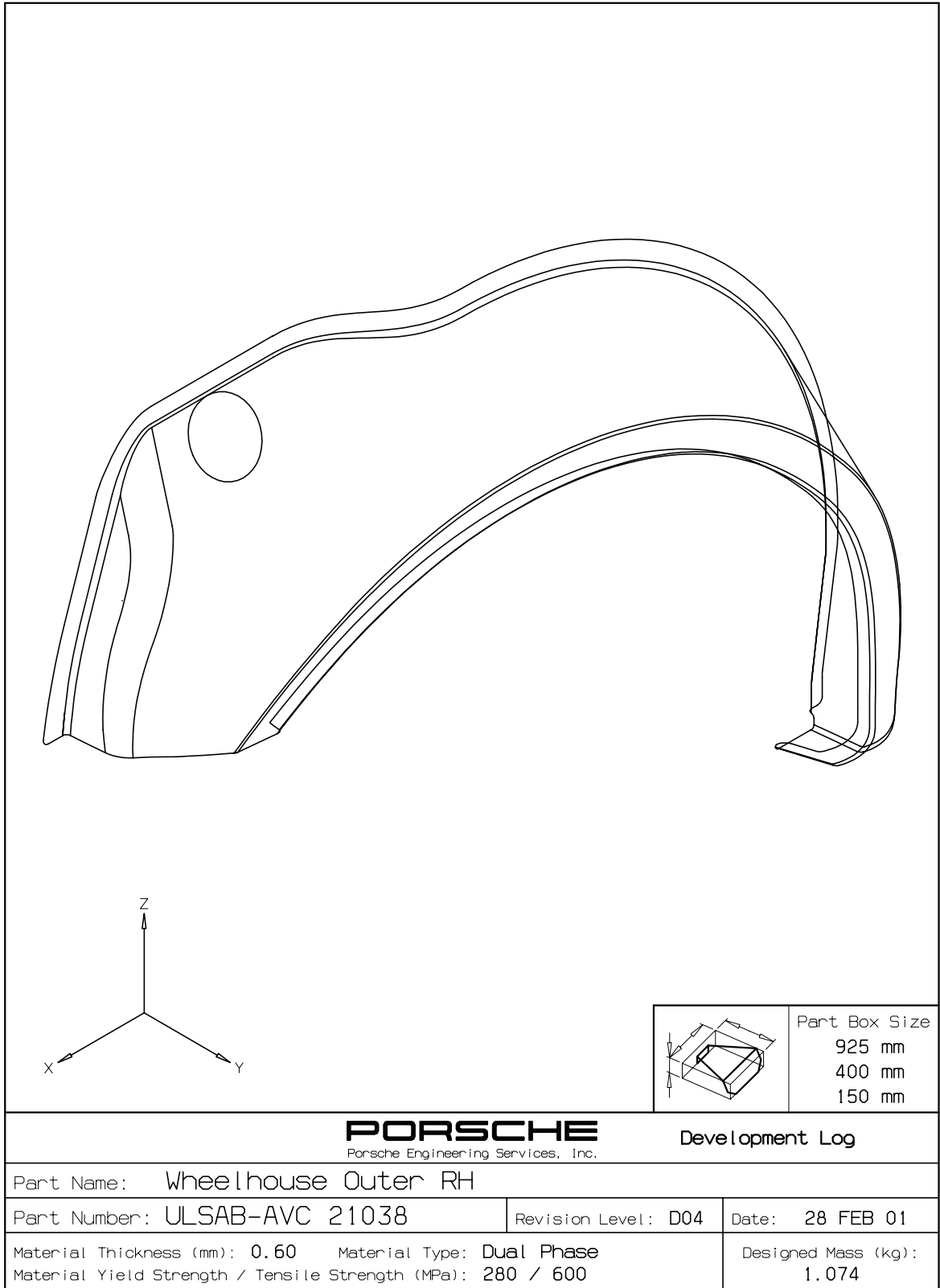
2.1.4 Parts Book Sheets - Body Structure



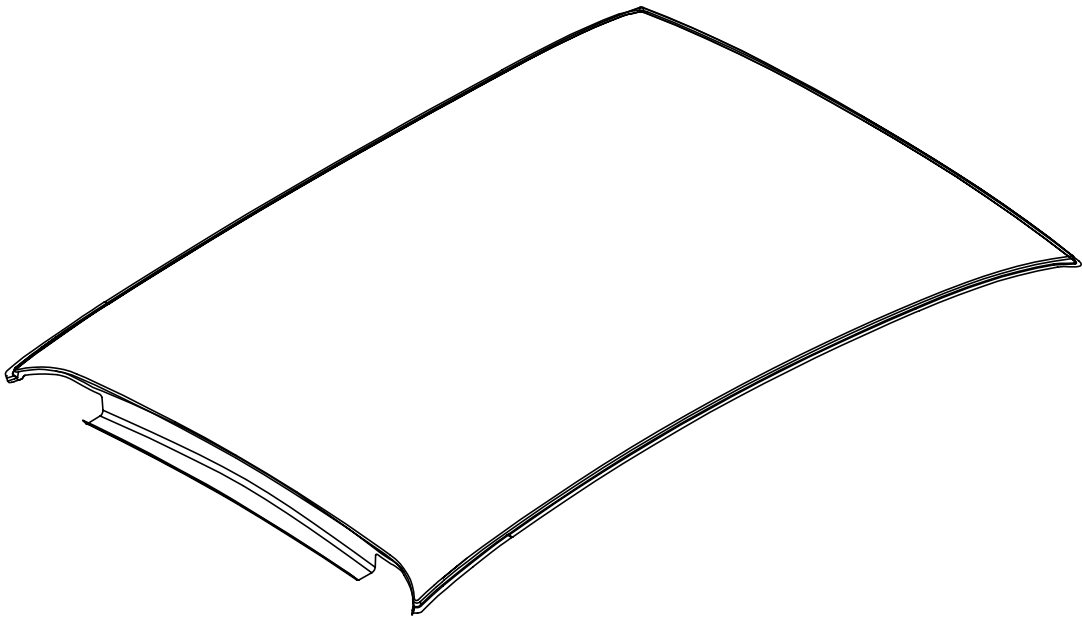
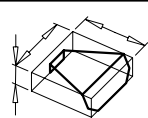
2.1.4 Parts Book Sheets - Body Structure

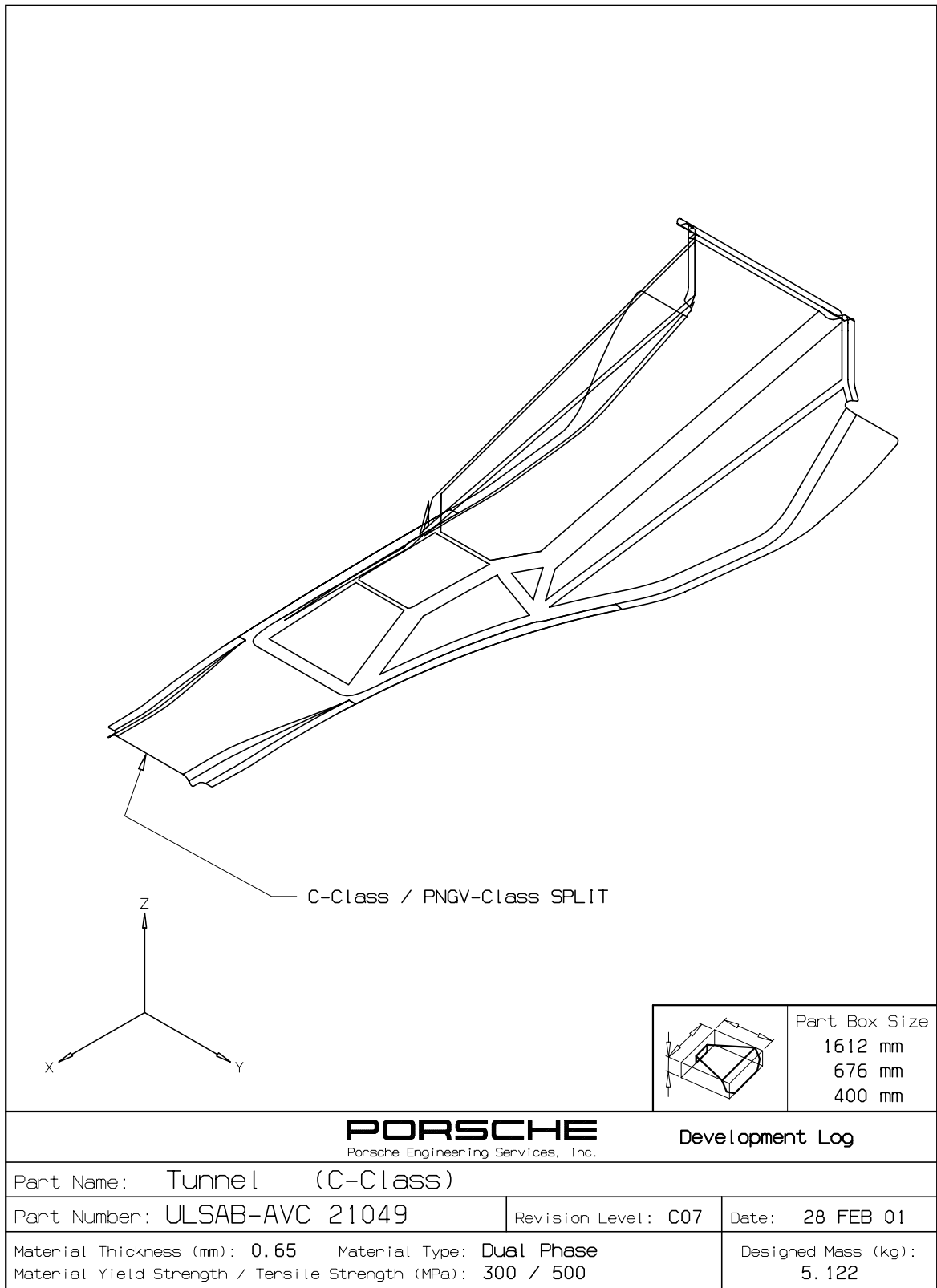


2.1.4 Parts Book Sheets - Body Structure

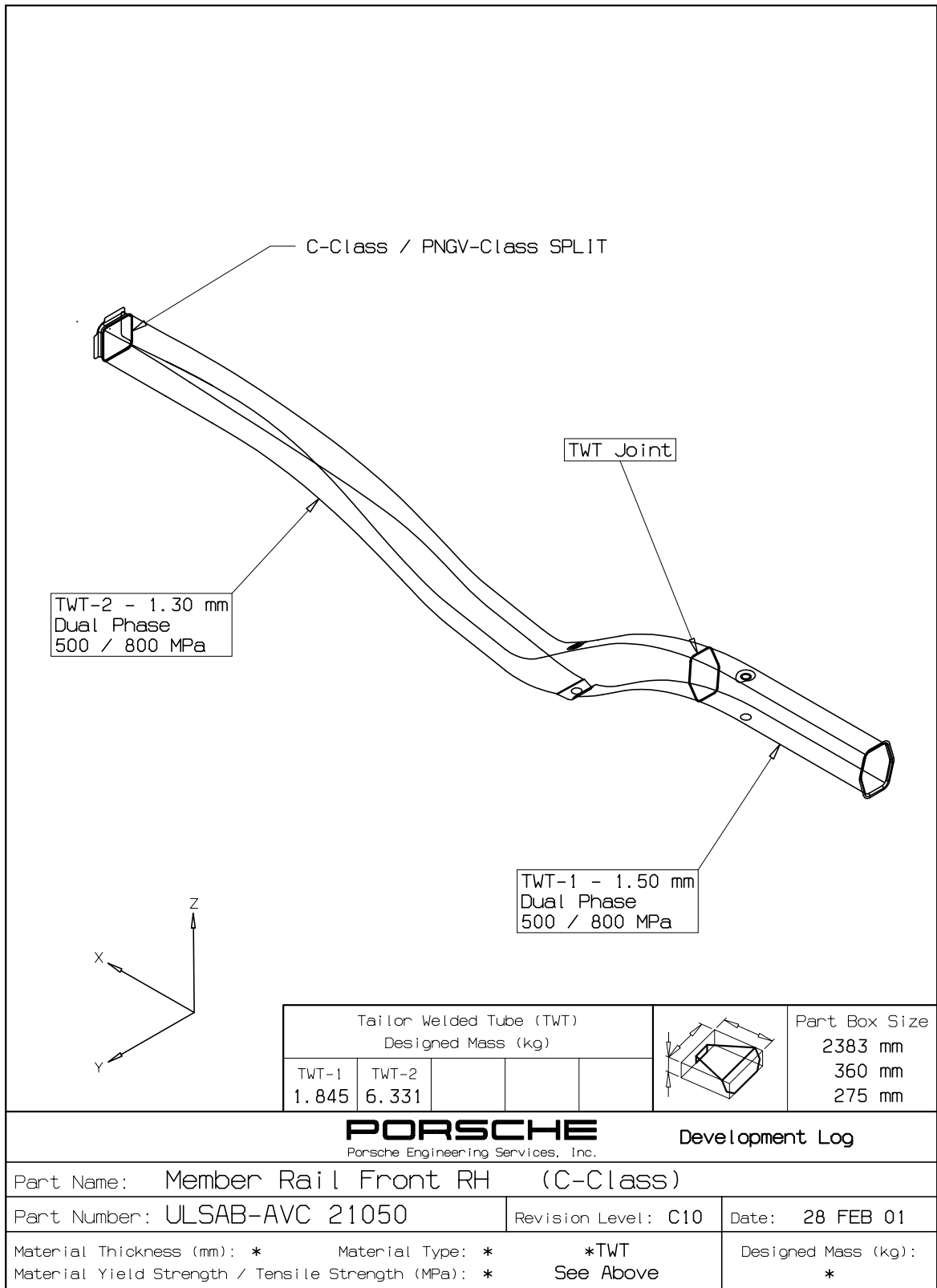


2.1.4 Parts Book Sheets - Body Structure

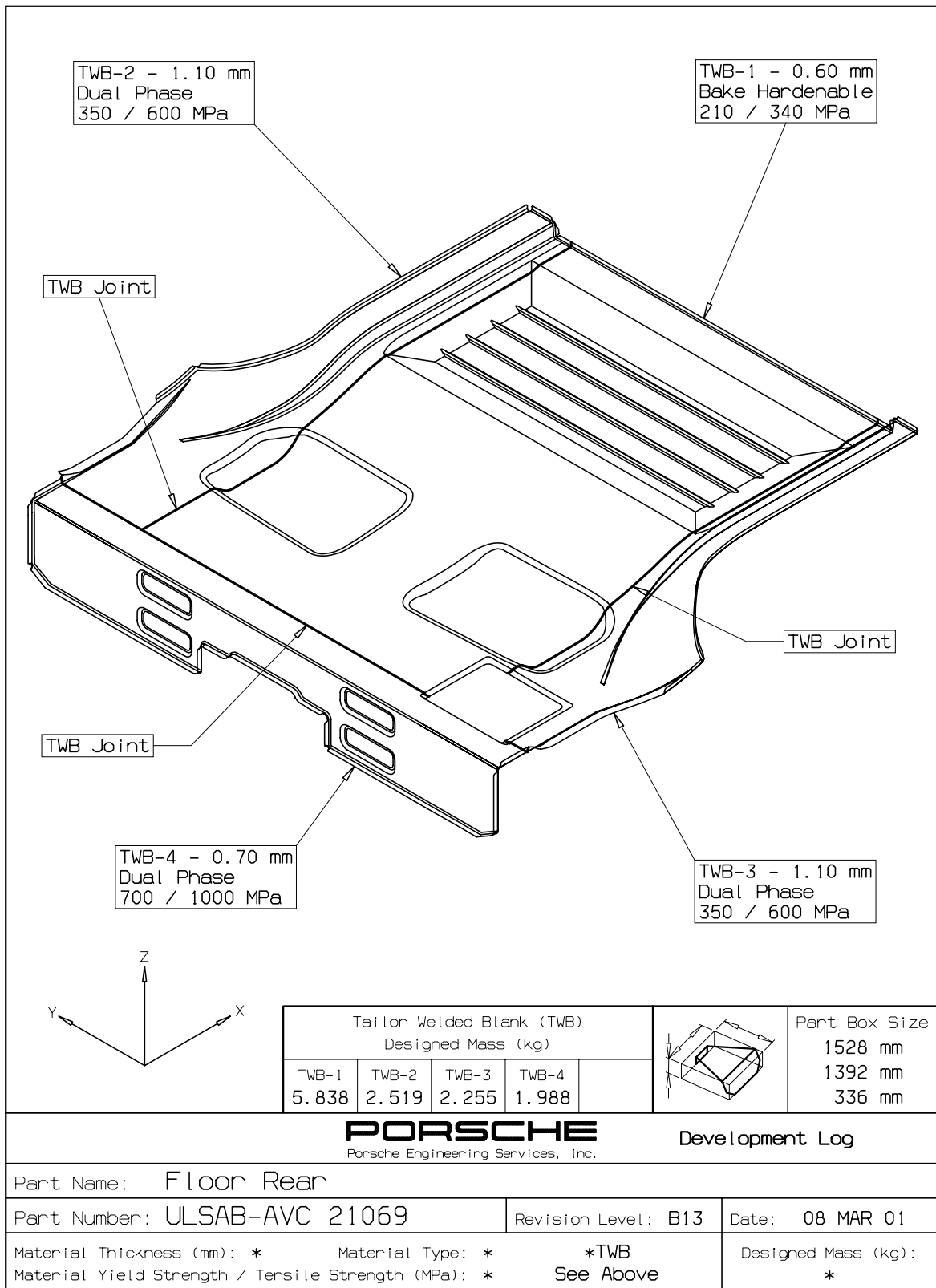
					Part Box Size 1670 mm 1128 mm 141 mm
			<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> PORSCHE <small>Porsche Engineering Services, Inc.</small> </div> <div>Development Log</div> </div>		
Part Name: Roof					
Part Number: ULSAB-AVC 21046			Revision Level: D01		Date: 03 FEB 01
Material Thickness (mm): 0.65 Material Type: Dual Phase Material Yield Strength / Tensile Strength (MPa): 300 / 500				Designed Mass (kg): 9.464	



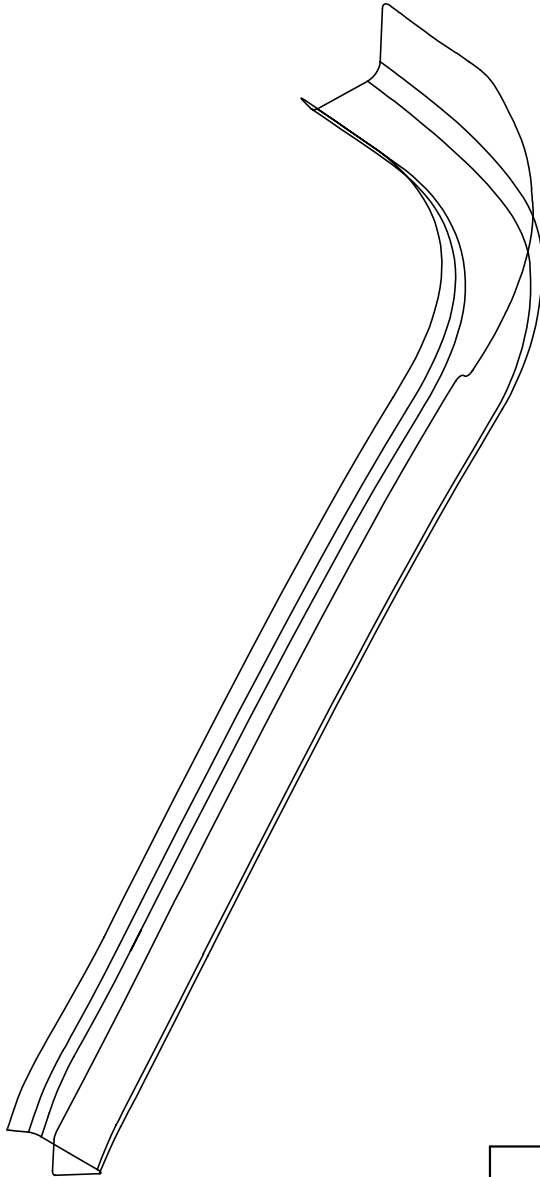
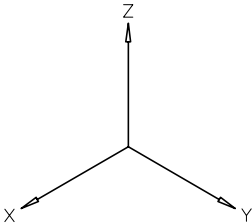
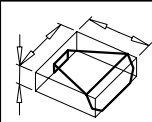
2.1.4 Parts Book Sheets - Body Structure



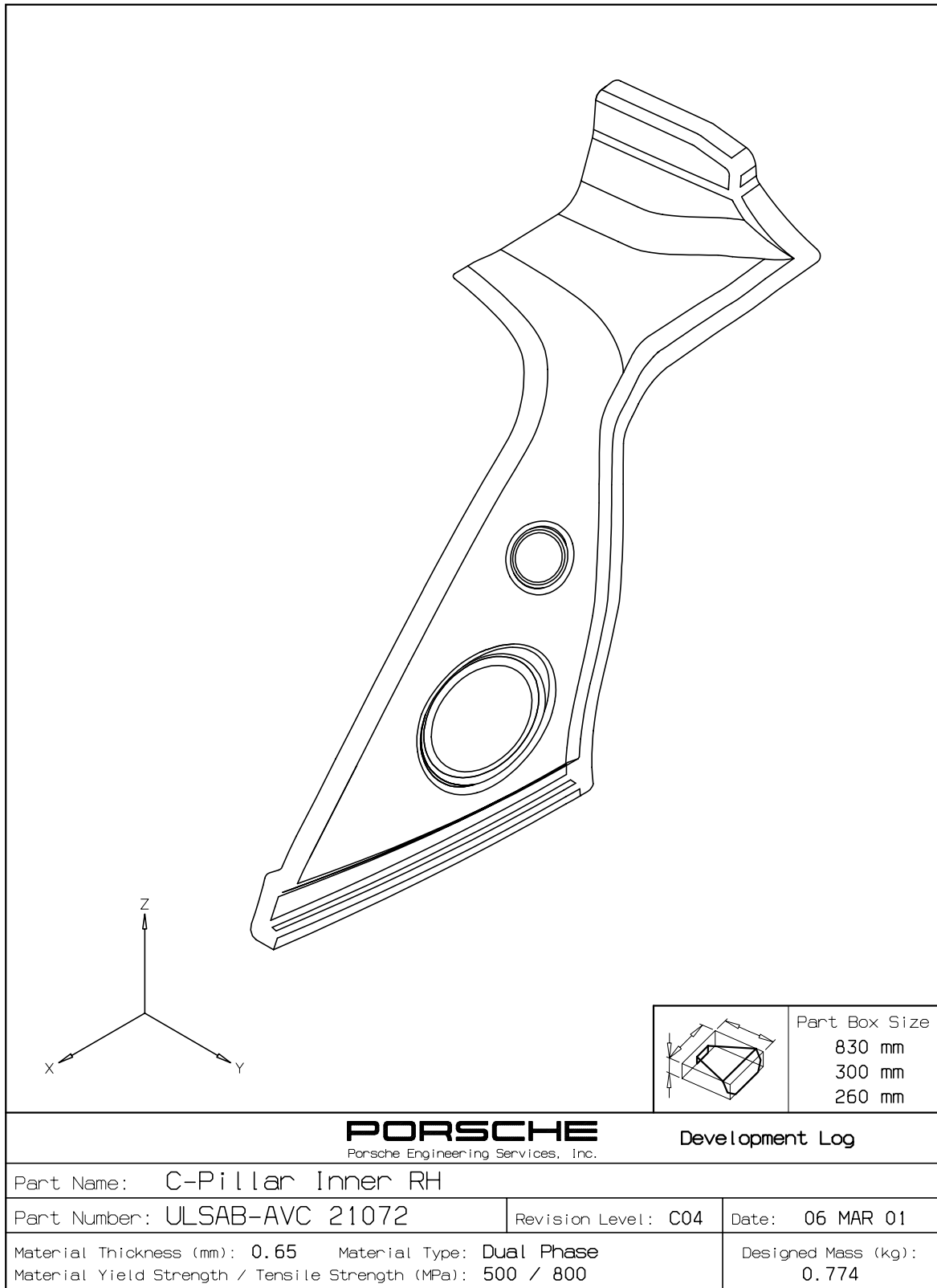
2.1.4 Parts Book Sheets - Body Structure

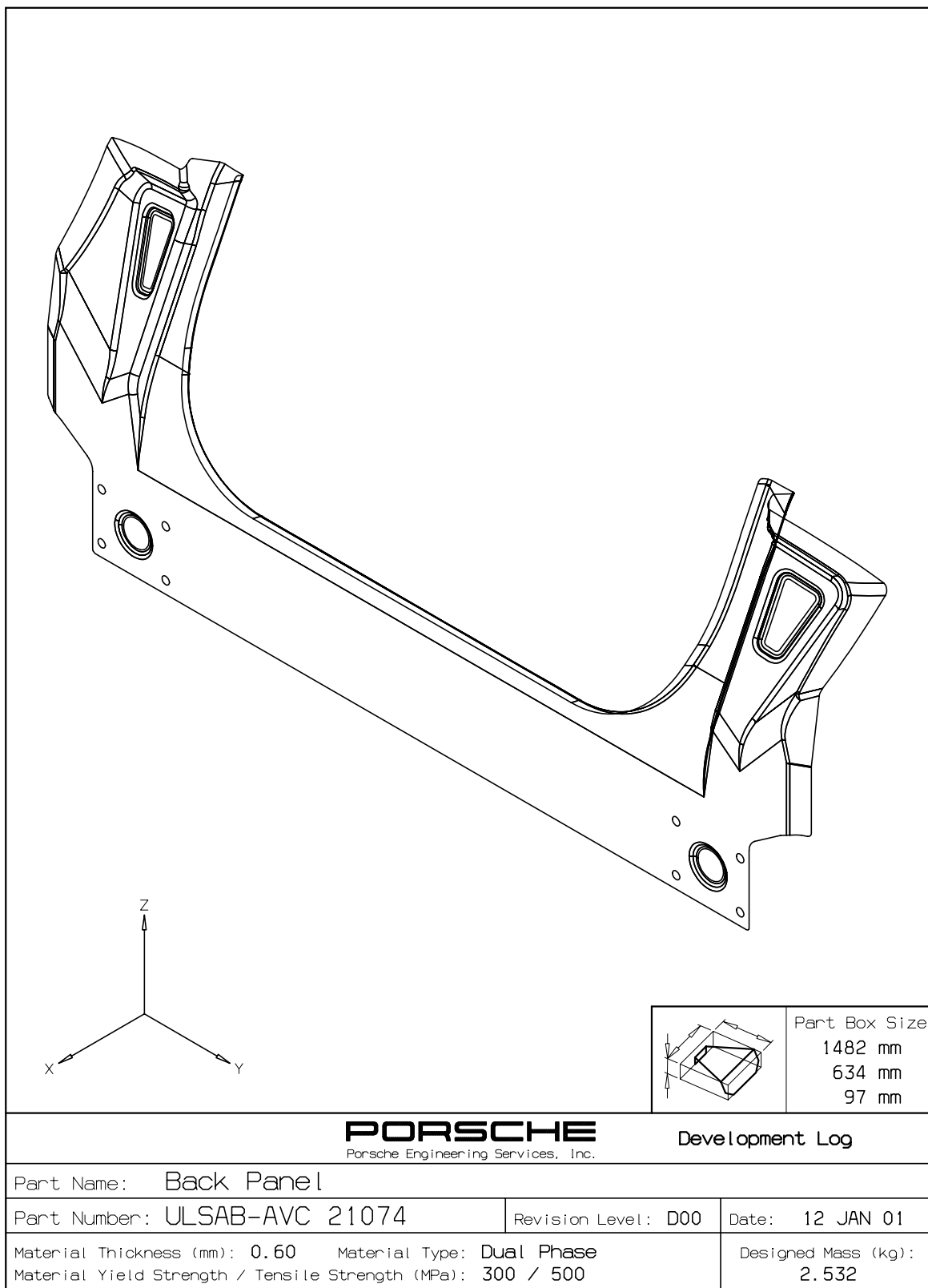


2.1.4 Parts Book Sheets - Body Structure

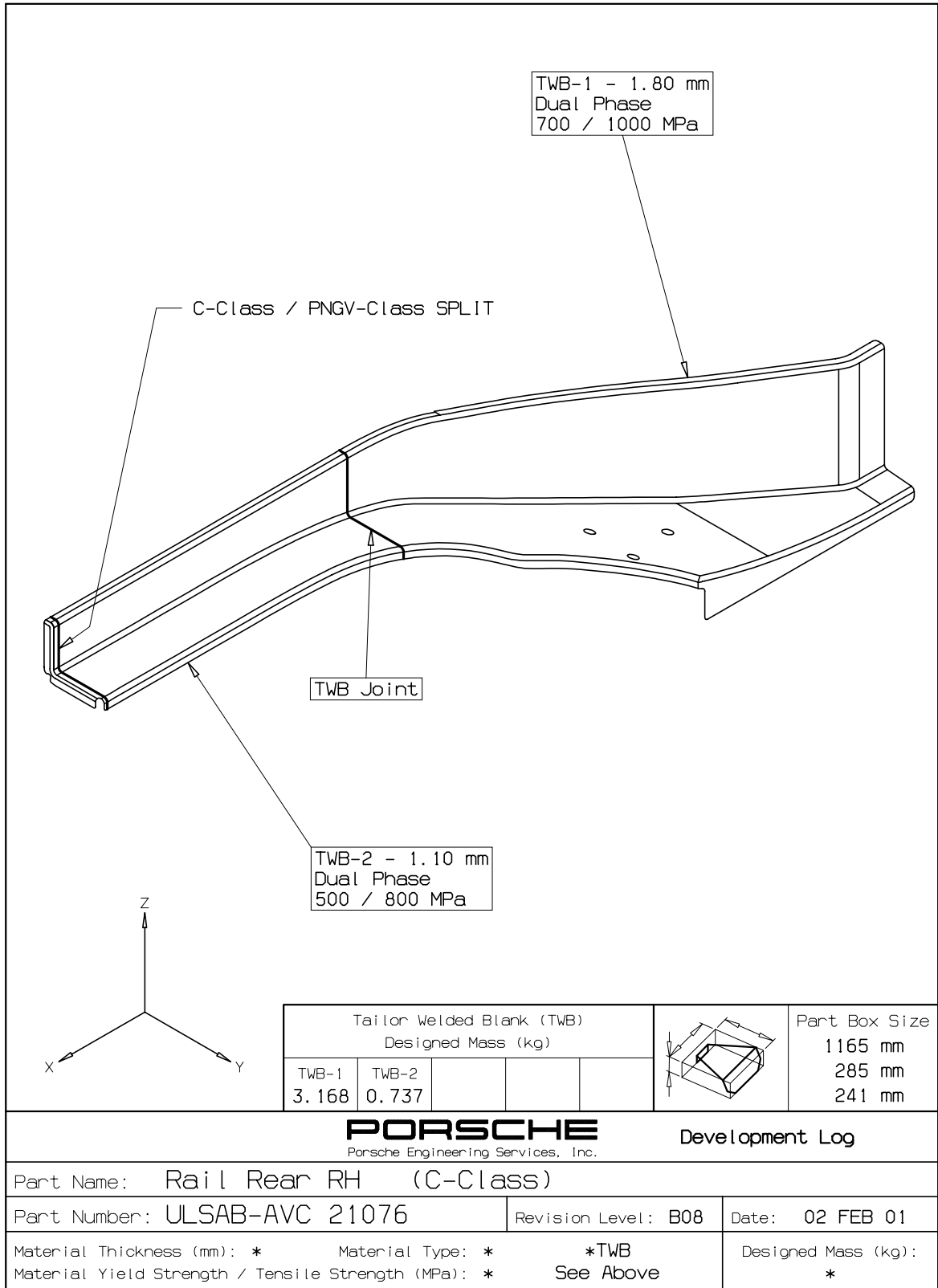
		
		
		Part Box Size 450 mm 250 mm 100 mm
PORSCHE Porsche Engineering Services, Inc.		
Development Log		
Part Name: Gutter C-Pillar RH		
Part Number: ULSAB-AVC 21070	Revision Level: C01	Date: 03 FEB 01
Material Thickness (mm): 0.65 Material Type: Bake Hardenable		Designed Mass (kg):
Material Yield Strength / Tensile Strength (MPa): 210 / 340		0.403

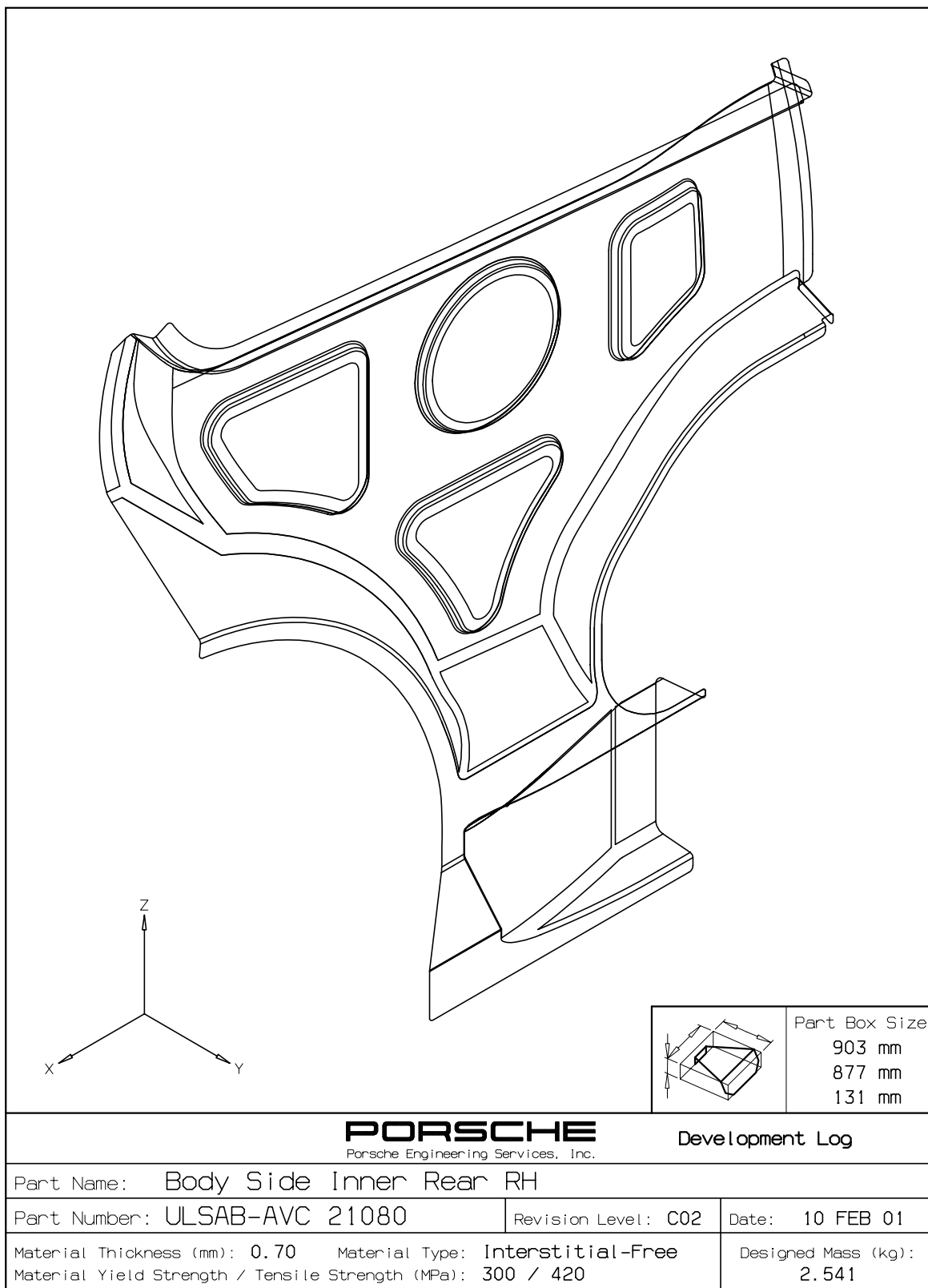
2.1.4 Parts Book Sheets - Body Structure



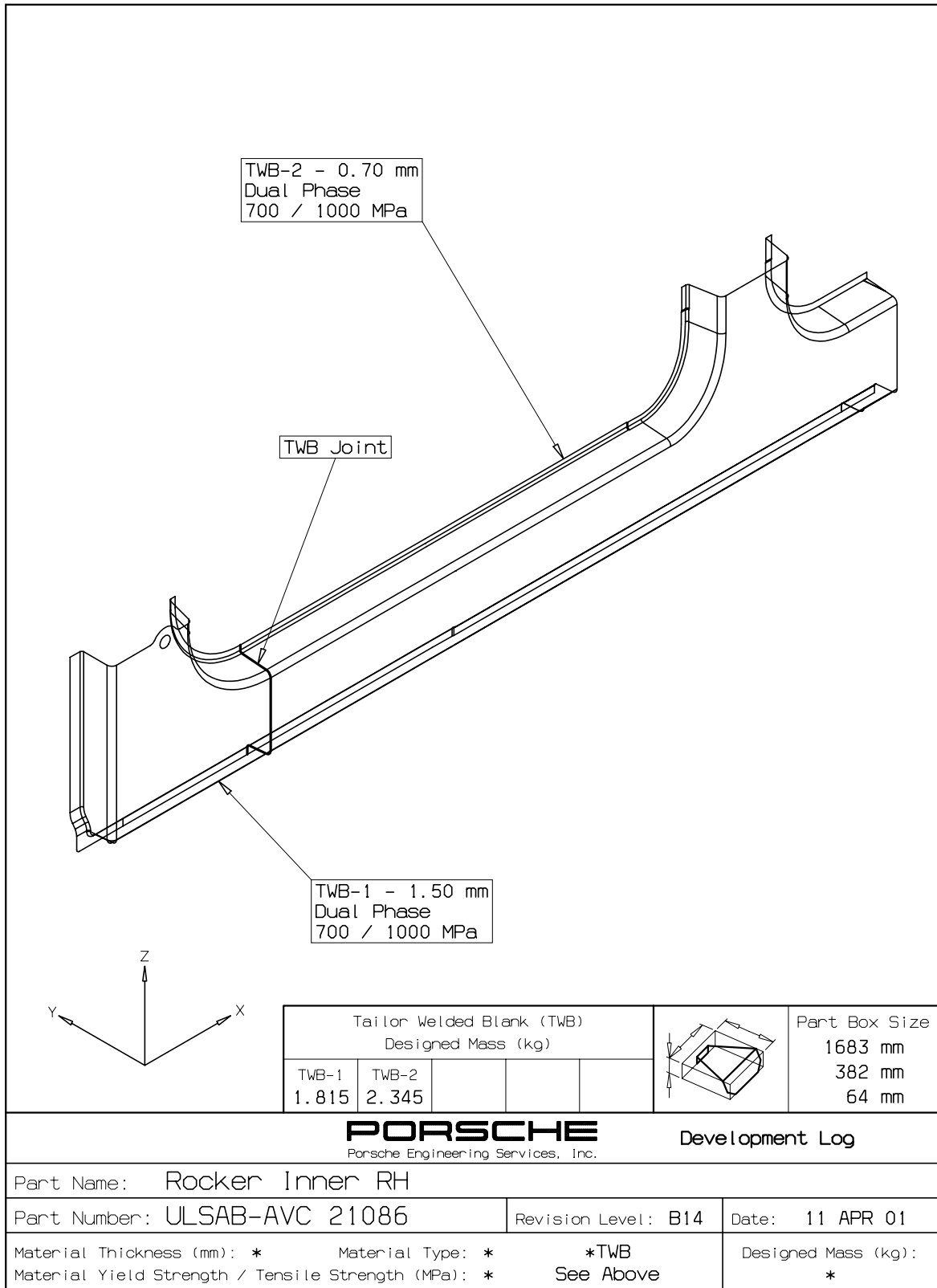


2.1.4 Parts Book Sheets - Body Structure

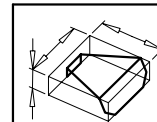
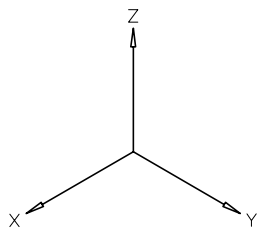
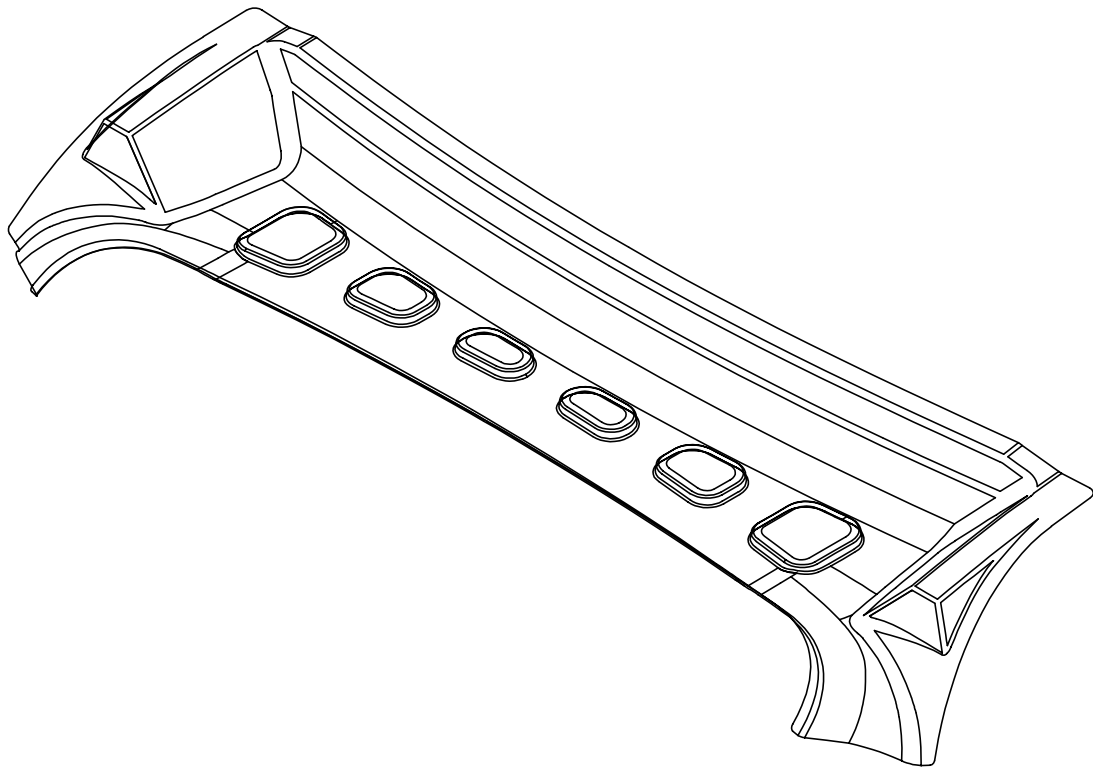




2.1.4 Parts Book Sheets - Body Structure



2.1.4 Parts Book Sheets - Body Structure



Part Box Size
1132 mm
306 mm
124 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Header Rear

Part Number: ULSAB-AVC 21115

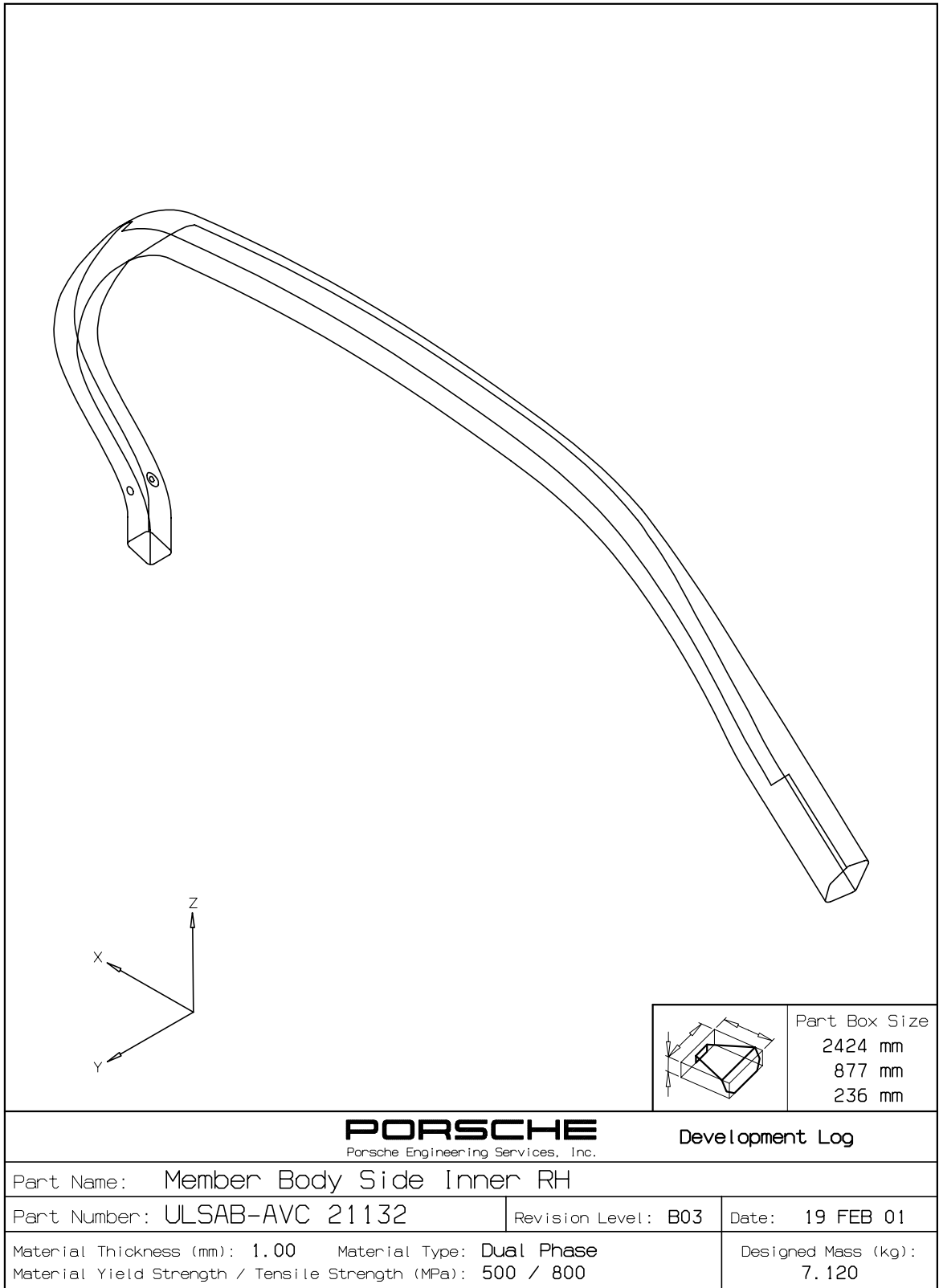
Revision Level: E04

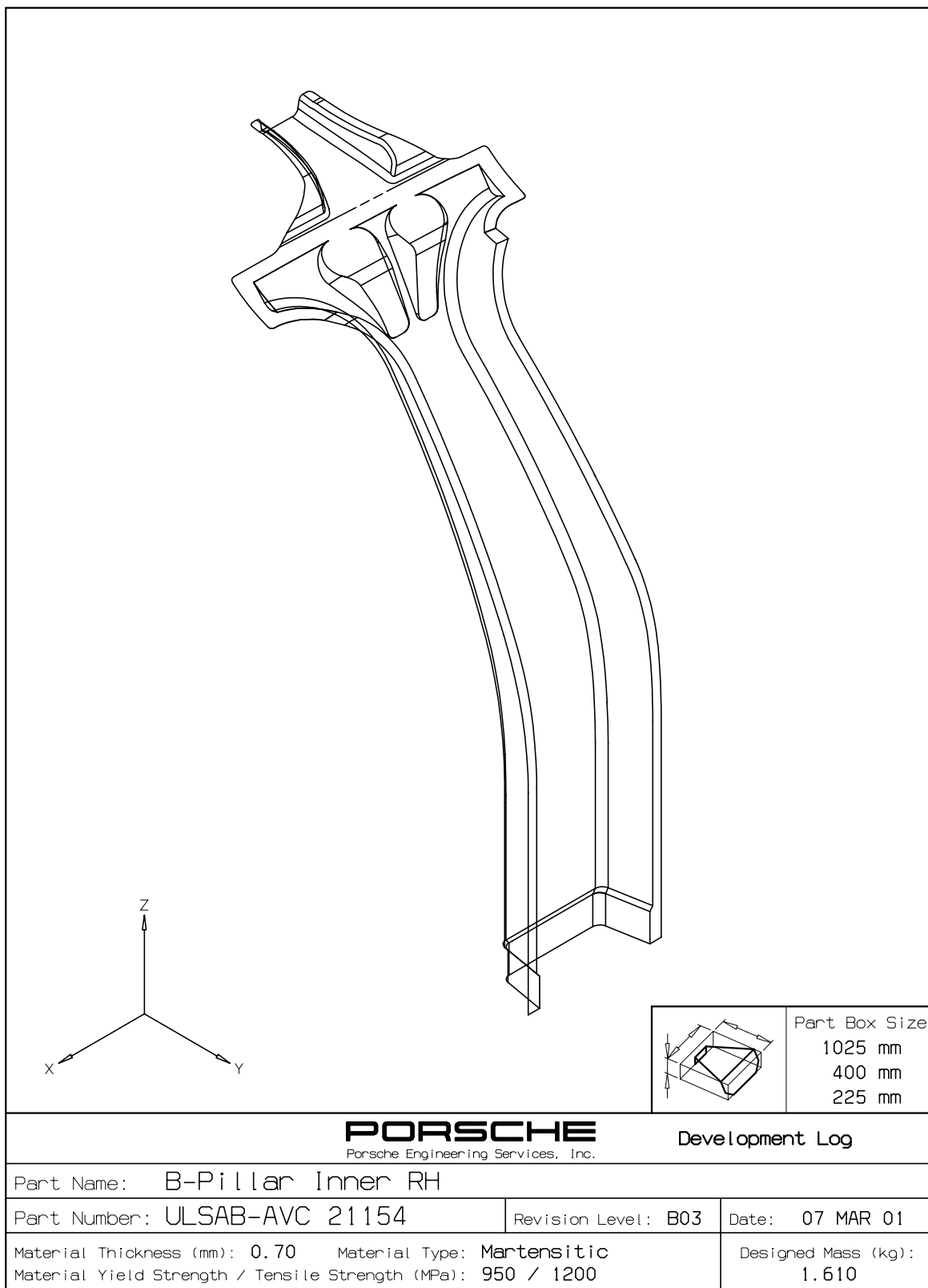
Date: 22 MAR 01

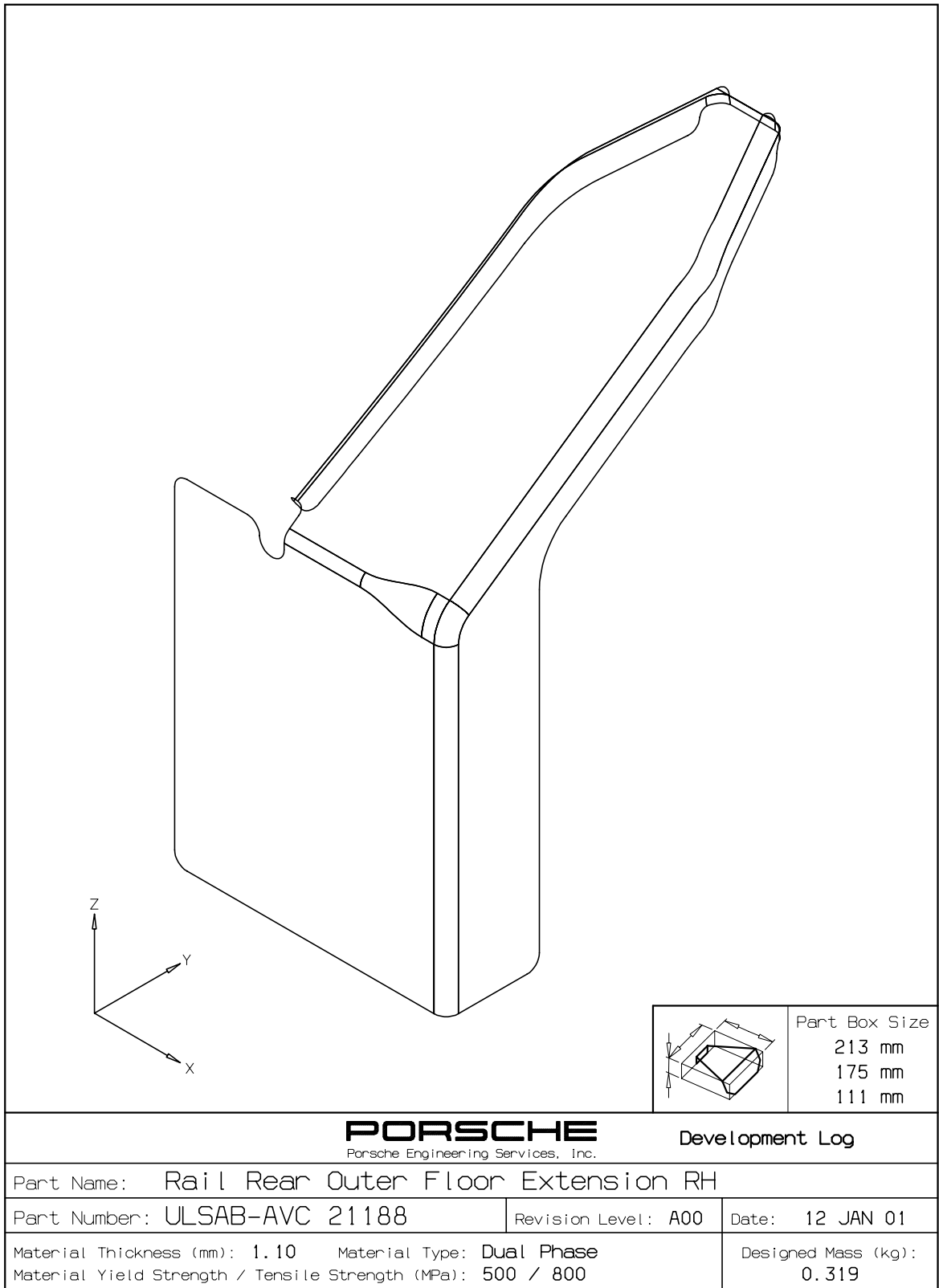
Material Thickness (mm): 0.65 Material Type: Dual Phase
Material Yield Strength / Tensile Strength (MPa): 350 / 600

Designed Mass (kg):
1.807

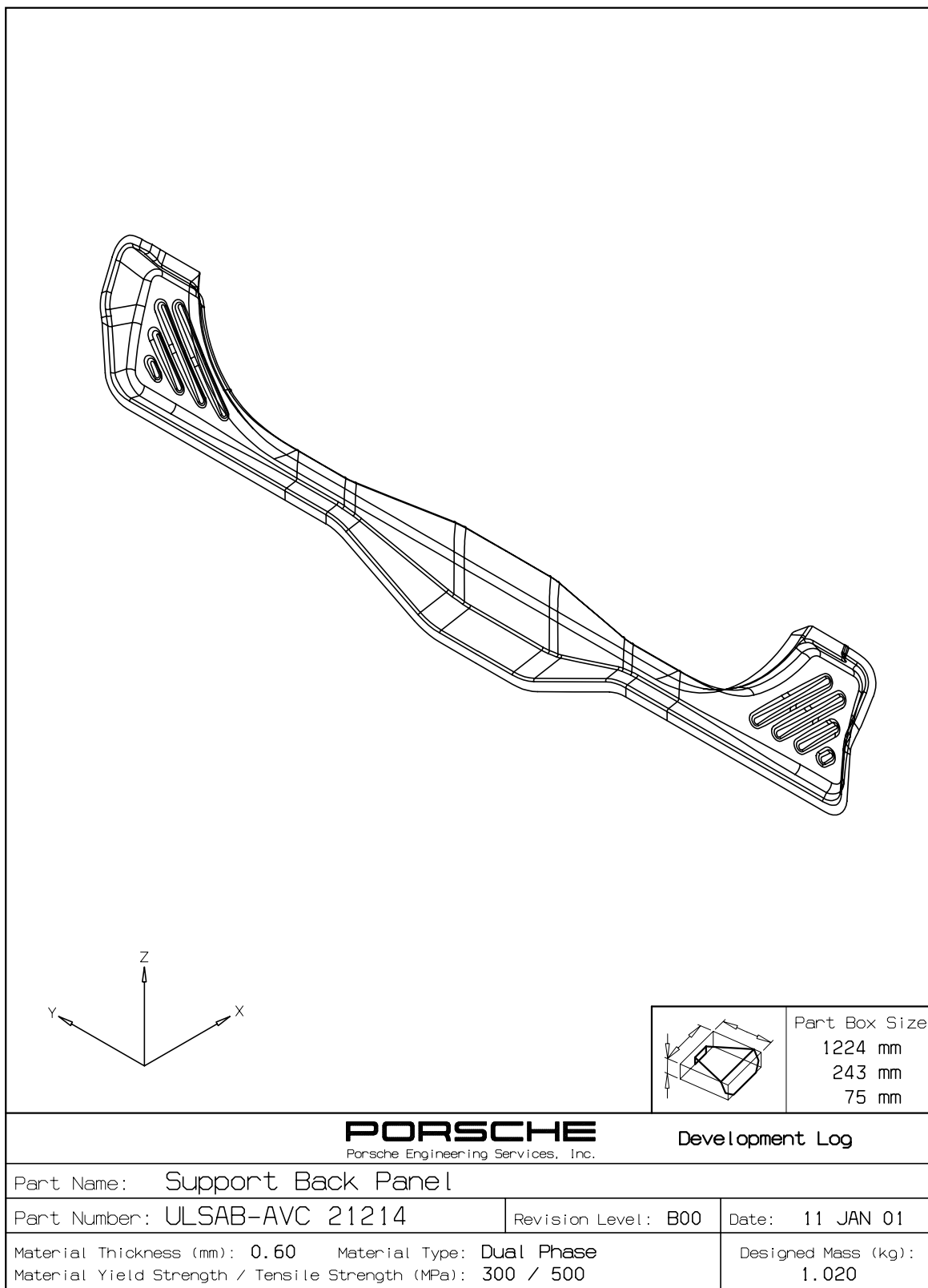
2.1.4 Parts Book Sheets - Body Structure



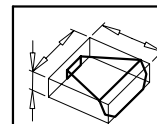
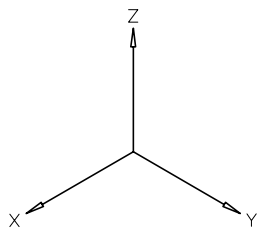
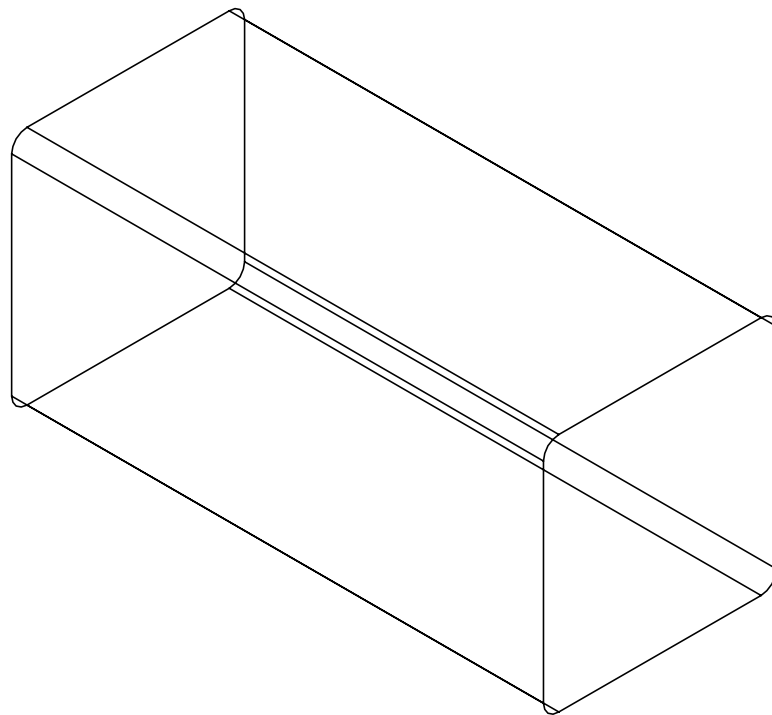




2.1.4 Parts Book Sheets - Body Structure



2.1.4 Parts Book Sheets - Body Structure



Part Box Size
125 mm
55 mm
55 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Extension Crossmember Kick-Up

Part Number: ULSAB-AVC 21215

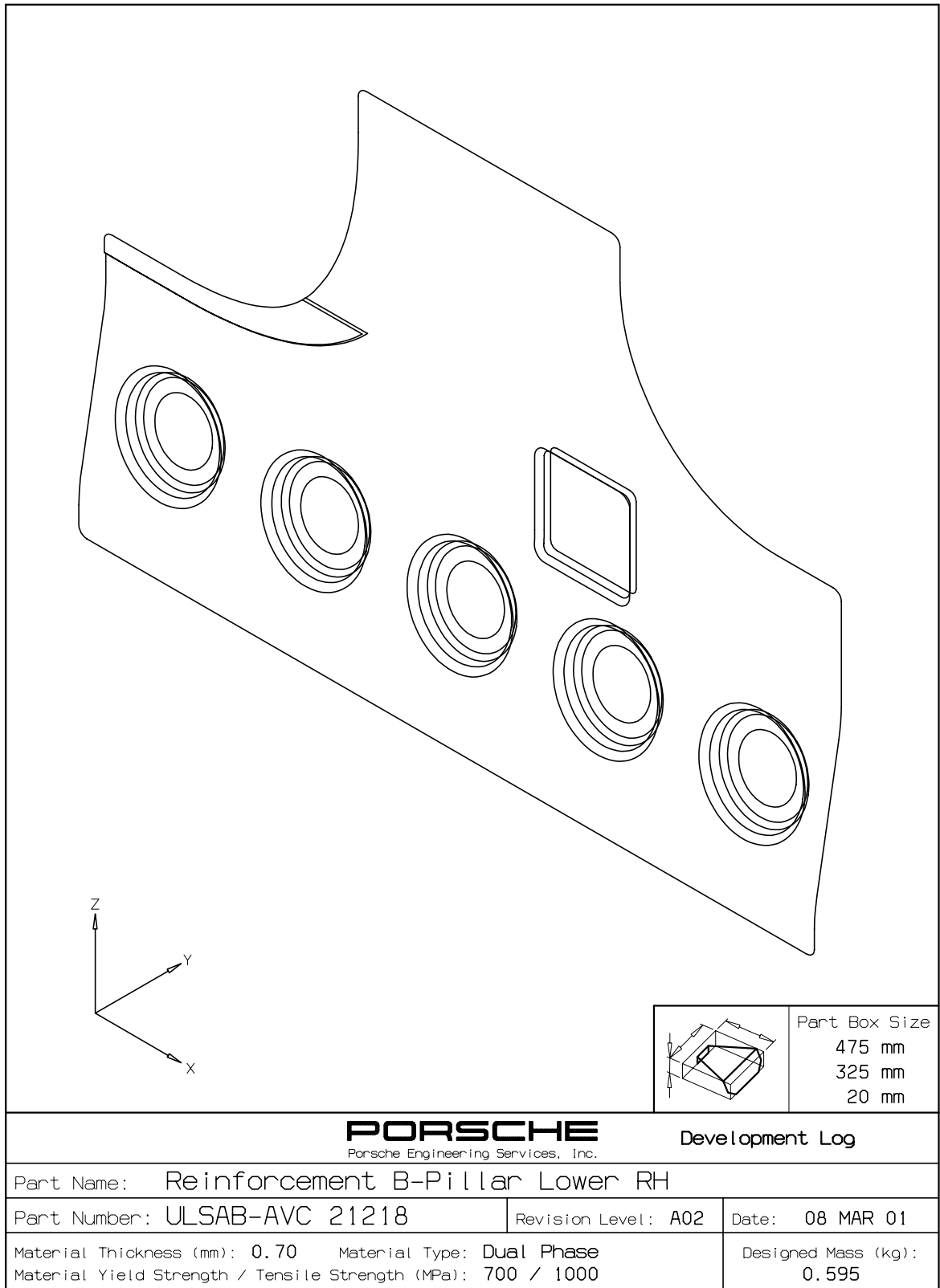
Revision Level: A00

Date: 08 MAR 01

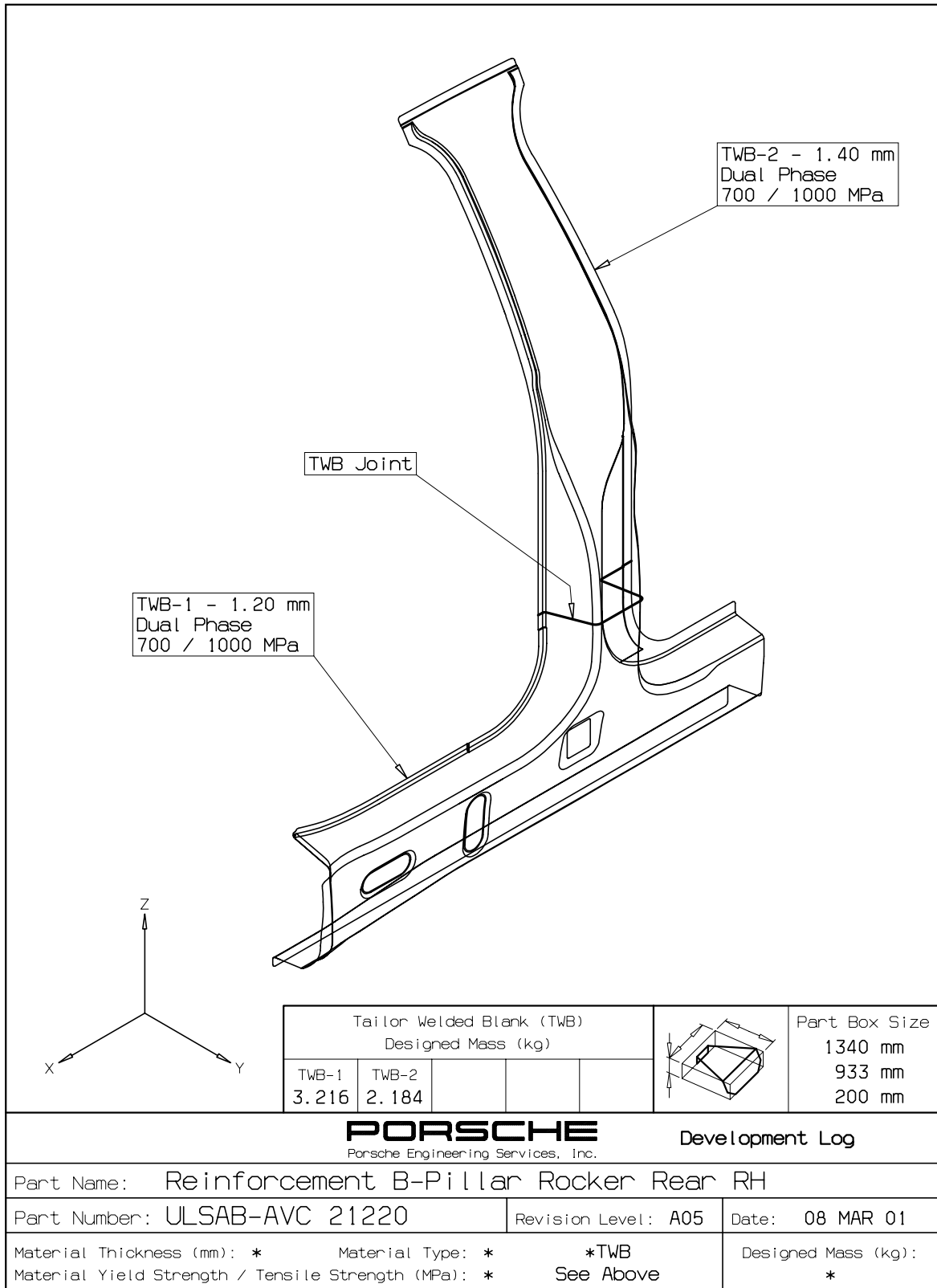
Material Thickness (mm): 1.20 Material Type: Martensitic
Material Yield Strength / Tensile Strength (MPa): 950 / 1200

Designed Mass (kg):
0.240

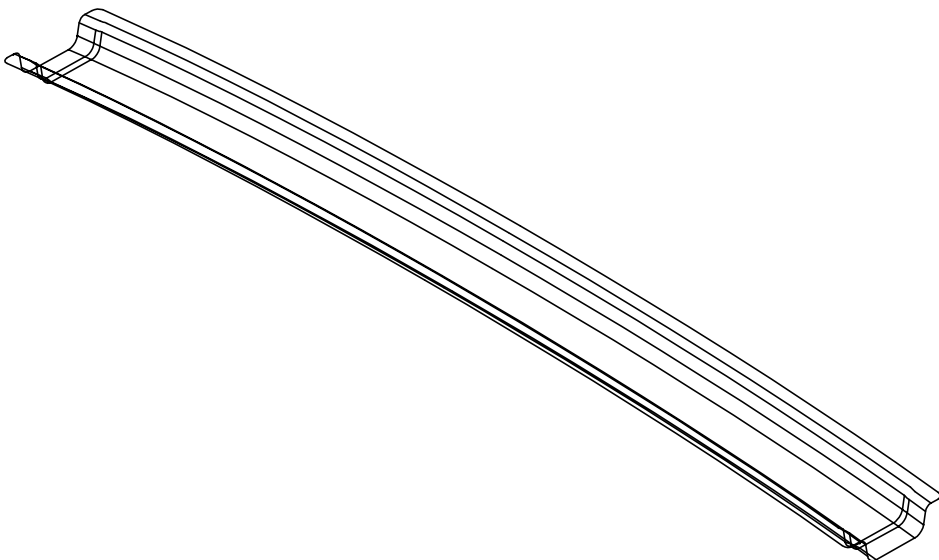
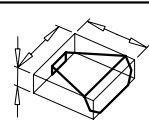
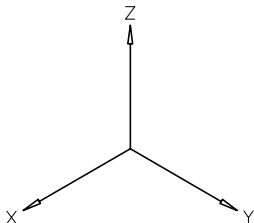
2.1.4 Parts Book Sheets - Body Structure



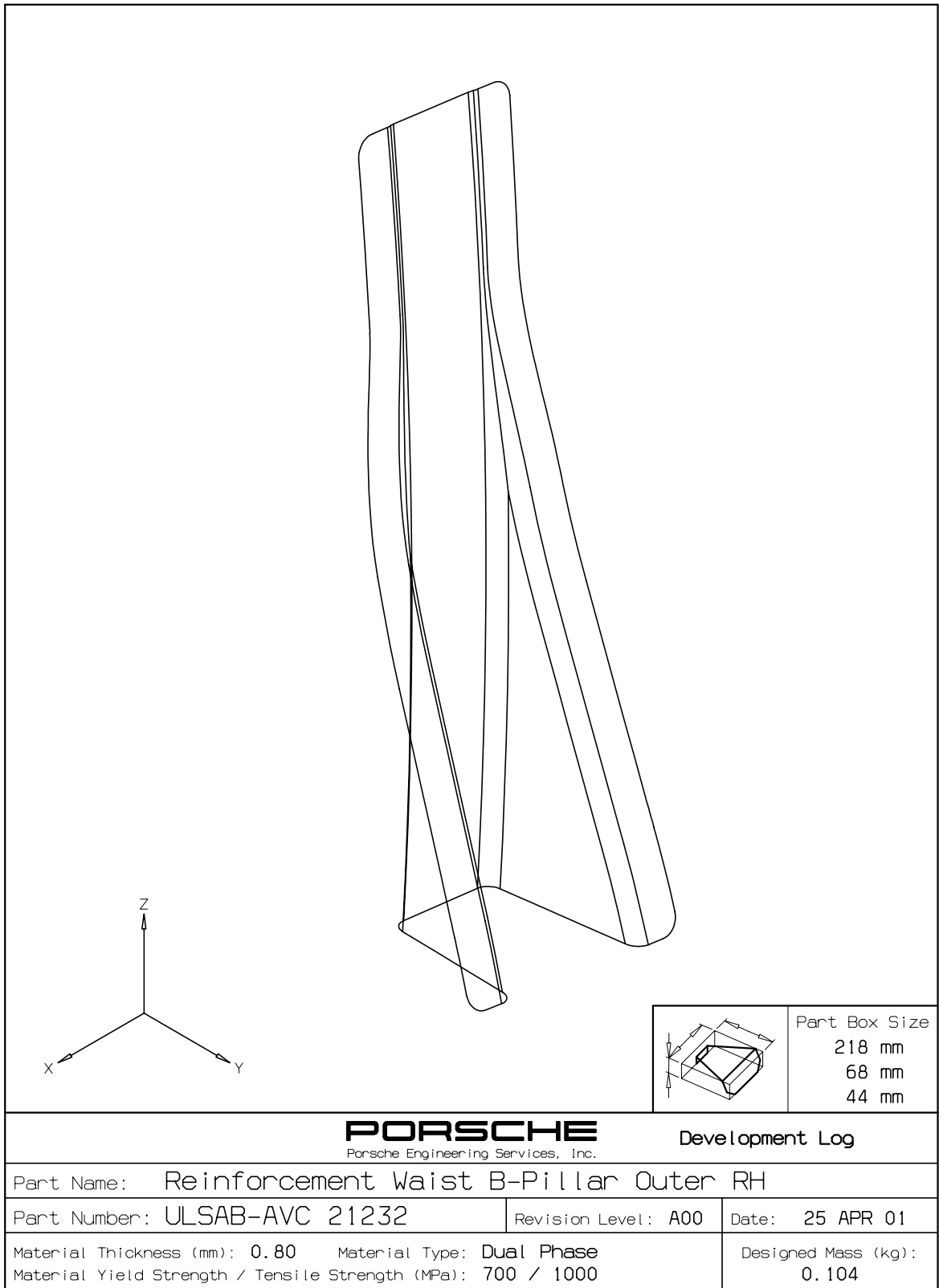
2.1.4 Parts Book Sheets - Body Structure



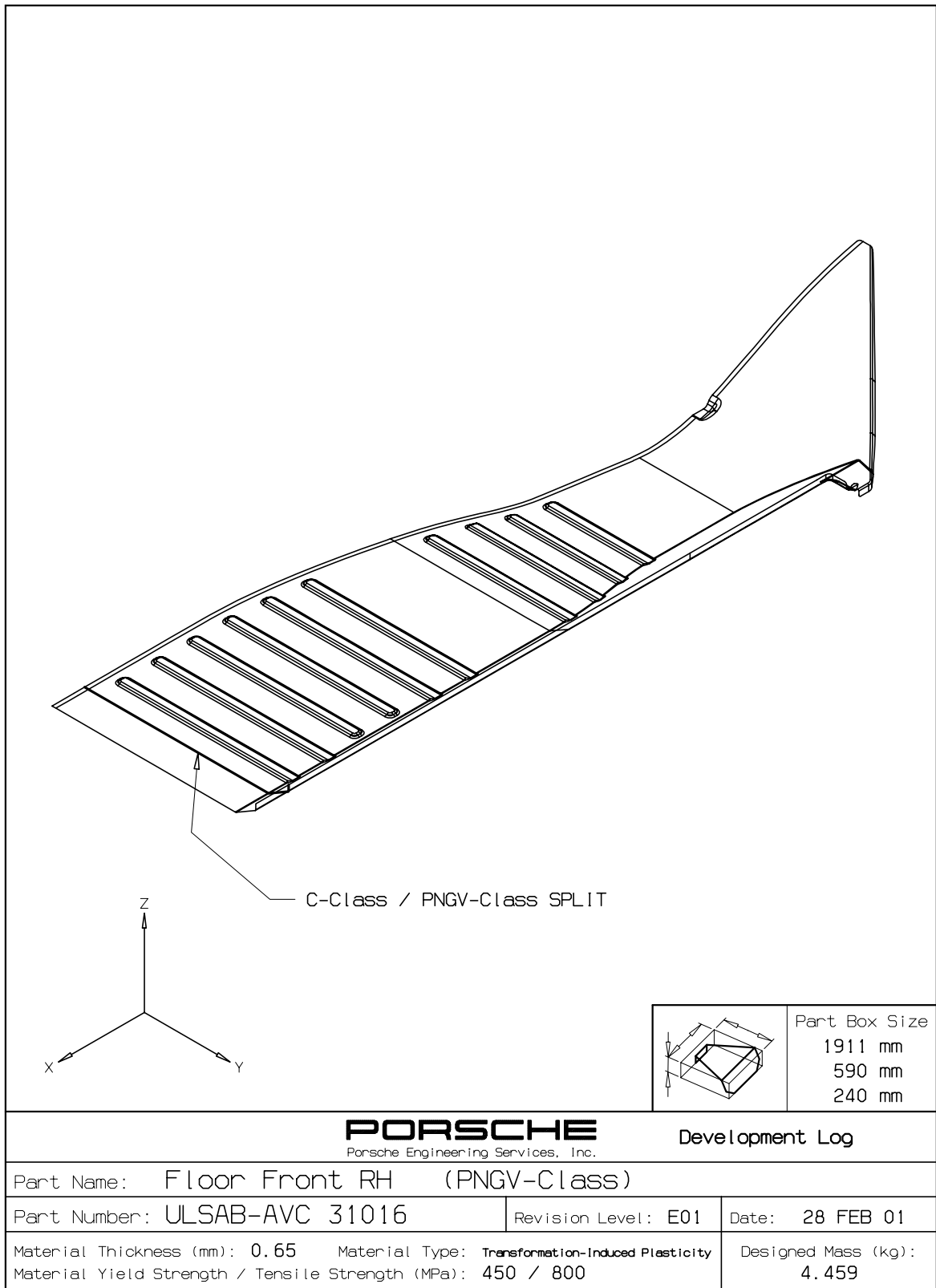
2.1.4 Parts Book Sheets - Body Structure

						Part Box Size		
						800 mm 100 mm 50 mm		
			PORSCHE Porsche Engineering Services, Inc.			Development Log		
Part Name: Crossmember Roof								
Part Number: ULSAB-AVC 21228				Revision Level: A00		Date: 07 MAR 01		
Material Thickness (mm): 0.70 Material Type: Dual Phase Material Yield Strength / Tensile Strength (MPa): 700 / 1000						Designed Mass (kg): 0.490		

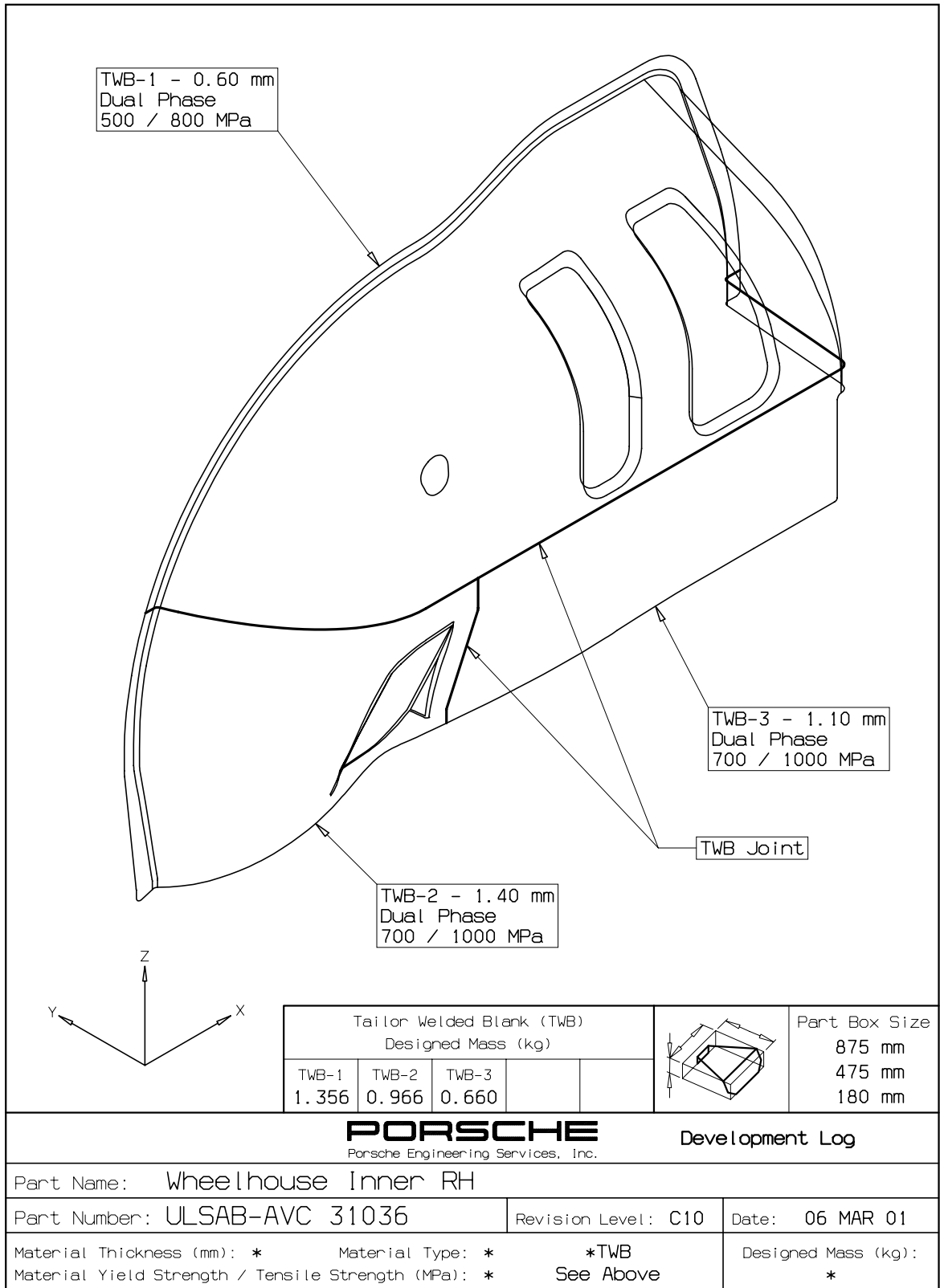
2.1.4 Parts Book Sheets - Body Structure



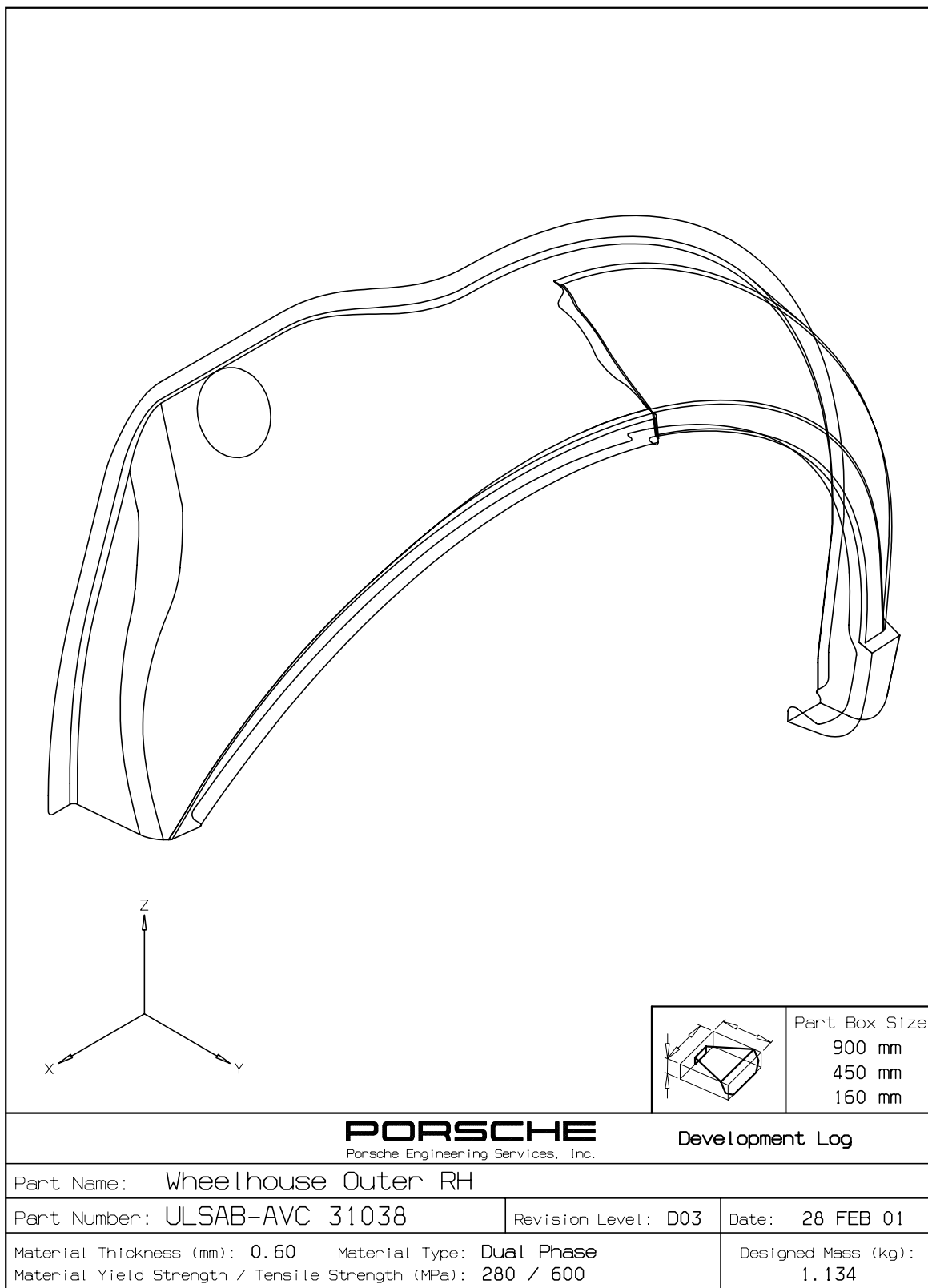
2.1.4 Parts Book Sheets - Body Structure



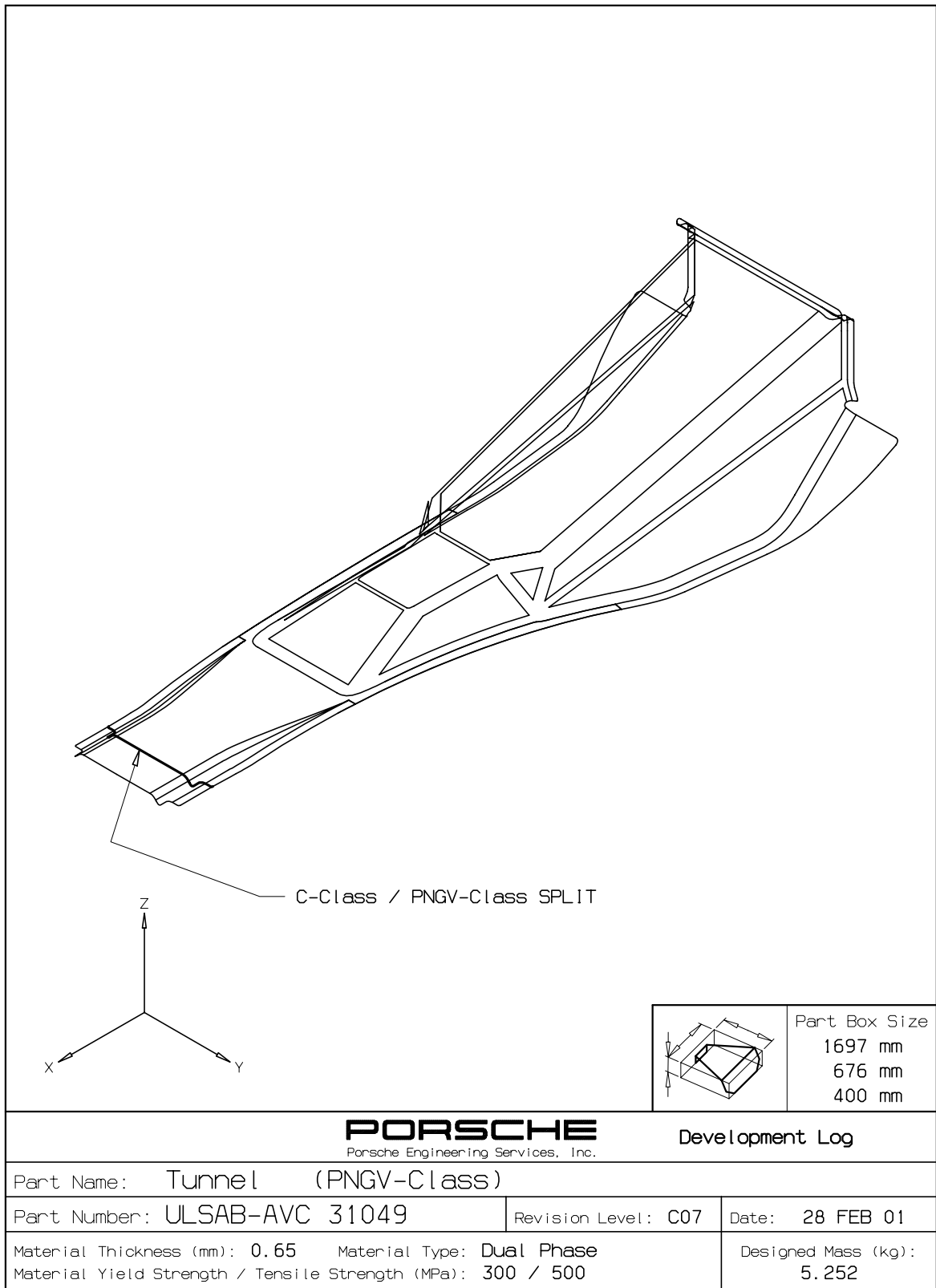
2.1.4 Parts Book Sheets - Body Structure



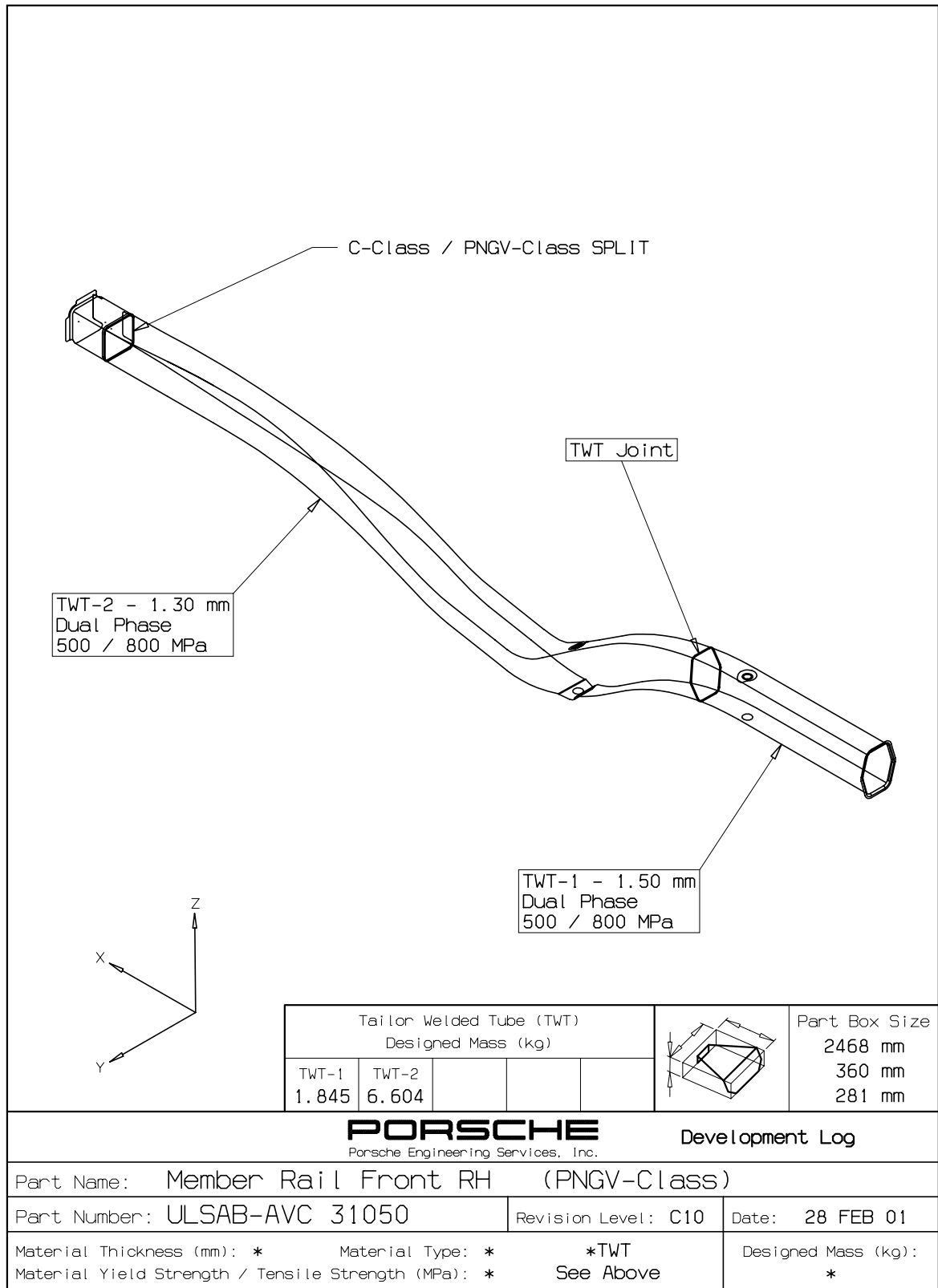
2.1.4 Parts Book Sheets - Body Structure



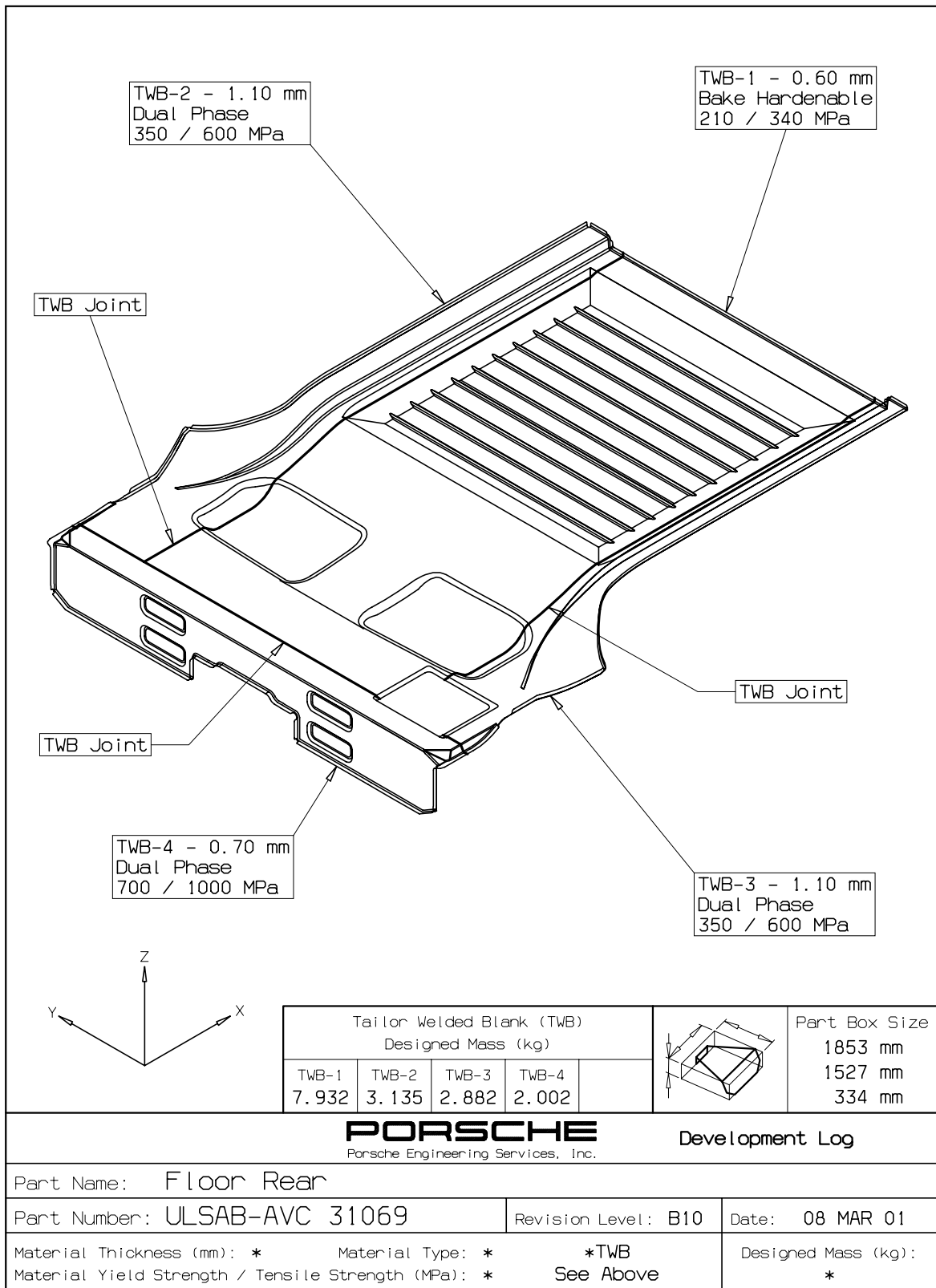
2.1.4 Parts Book Sheets - Body Structure



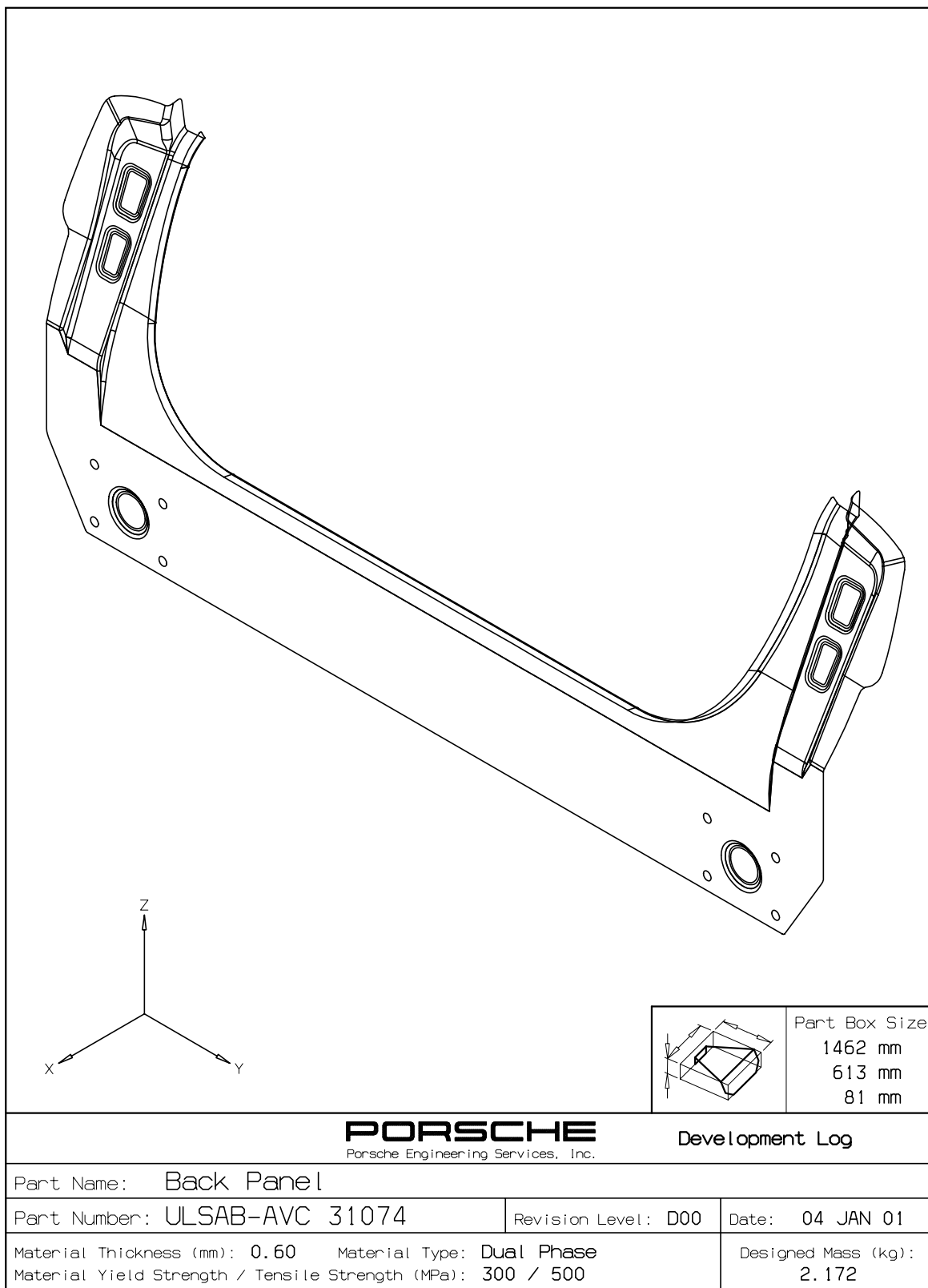
2.1.4 Parts Book Sheets - Body Structure



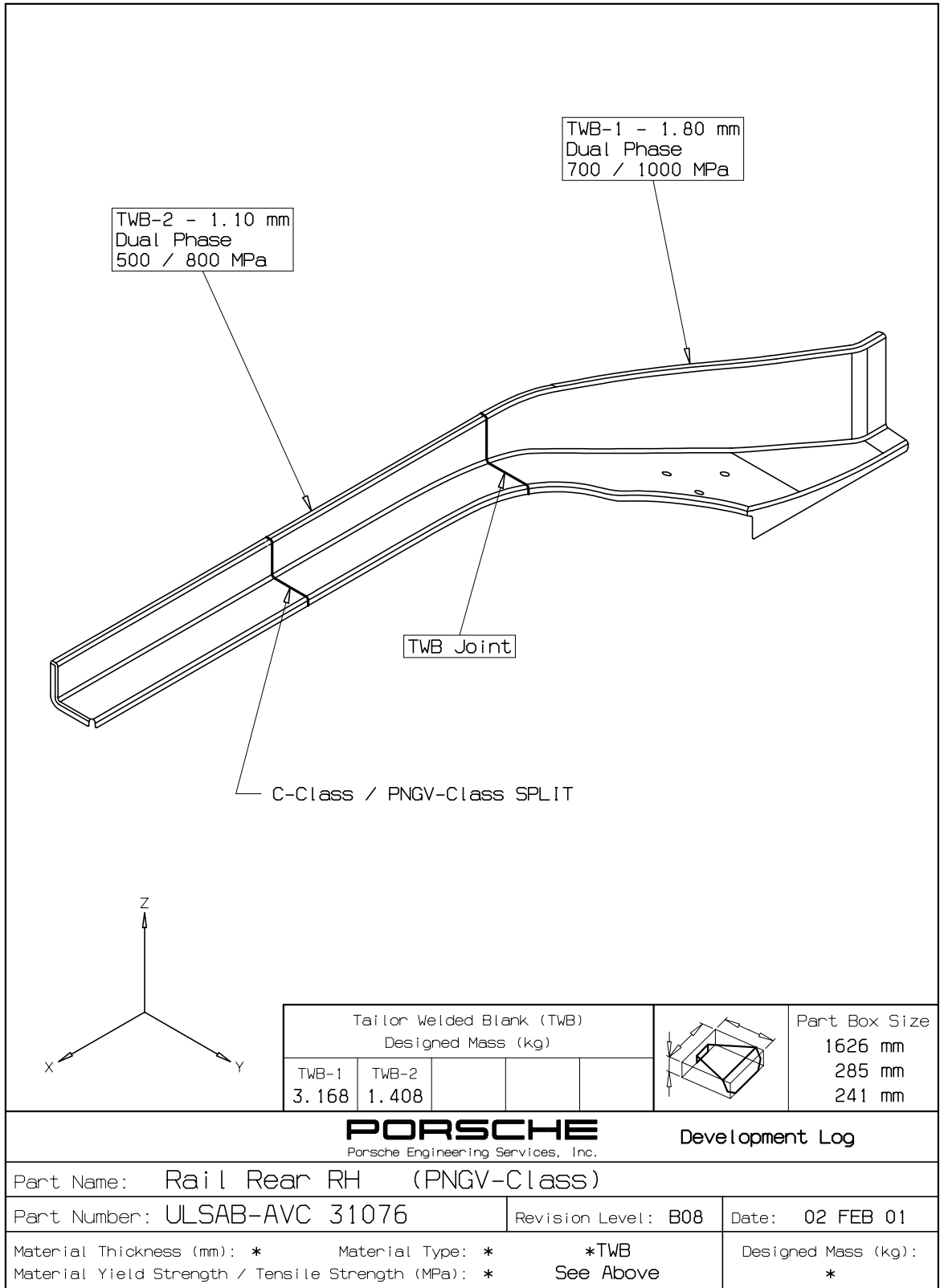
2.1.4 Parts Book Sheets - Body Structure

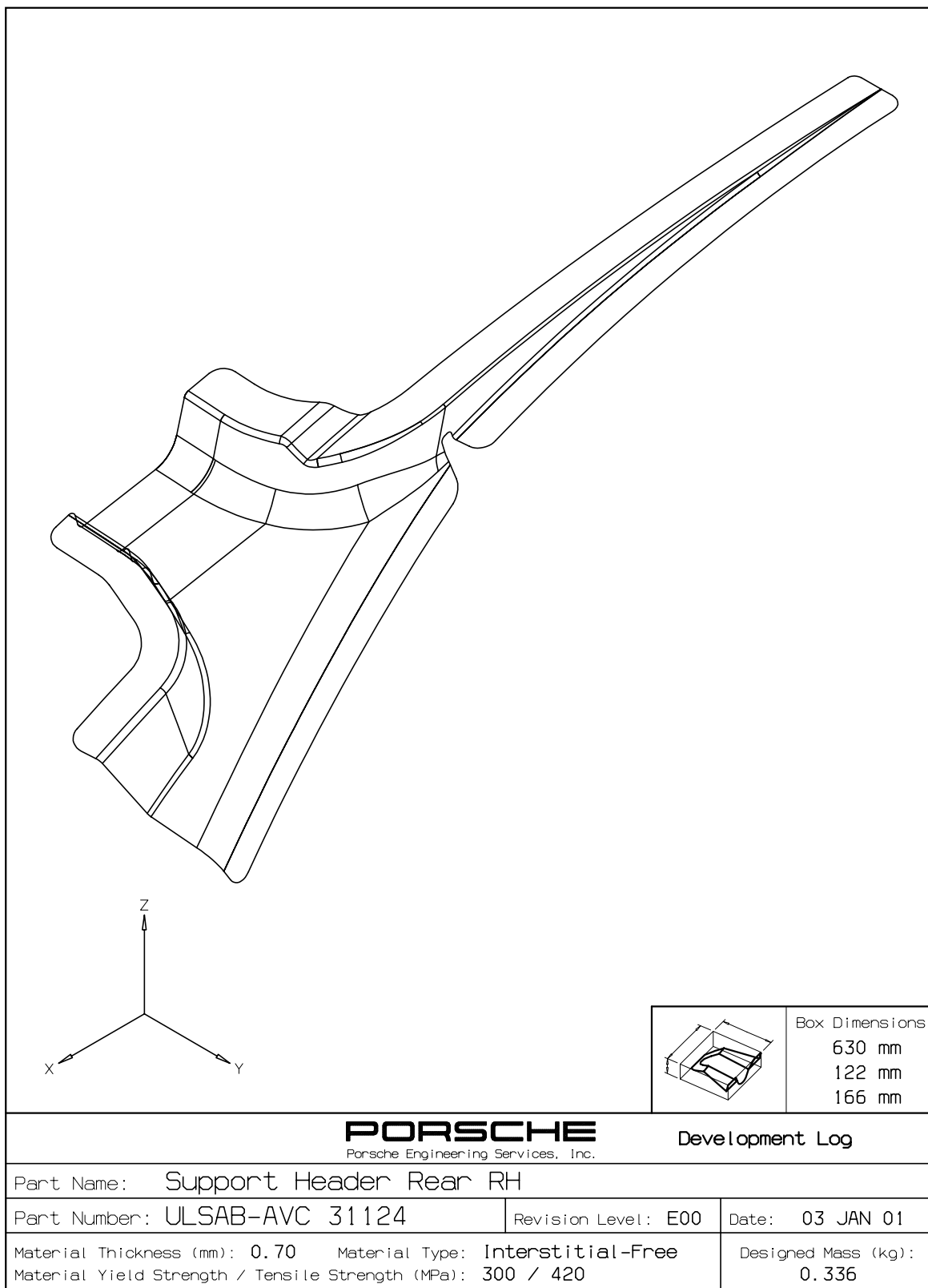


2.1.4 Parts Book Sheets - Body Structure

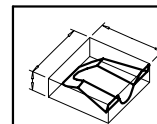
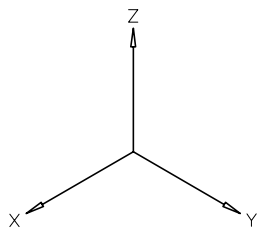
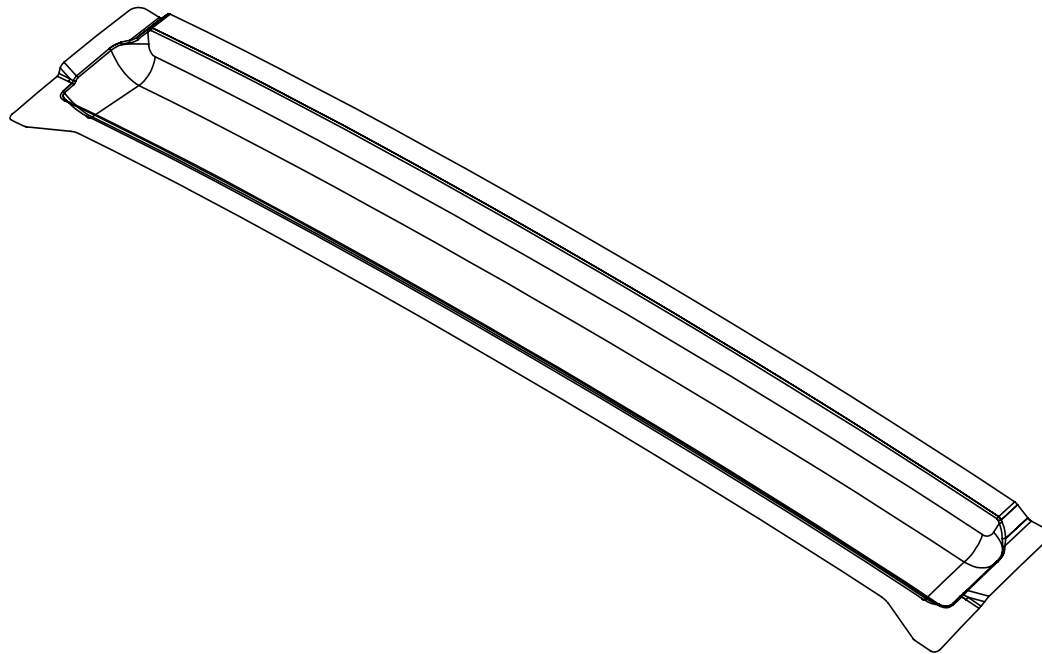


2.1.4 Parts Book Sheets - Body Structure





2.1.4 Parts Book Sheets - Body Structure



Box Dimensions
1064 mm
150 mm
34 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Header Rear

Part Number: ULSAB-AVC 31126

Revision Level: E00

Date: 03 JAN 01

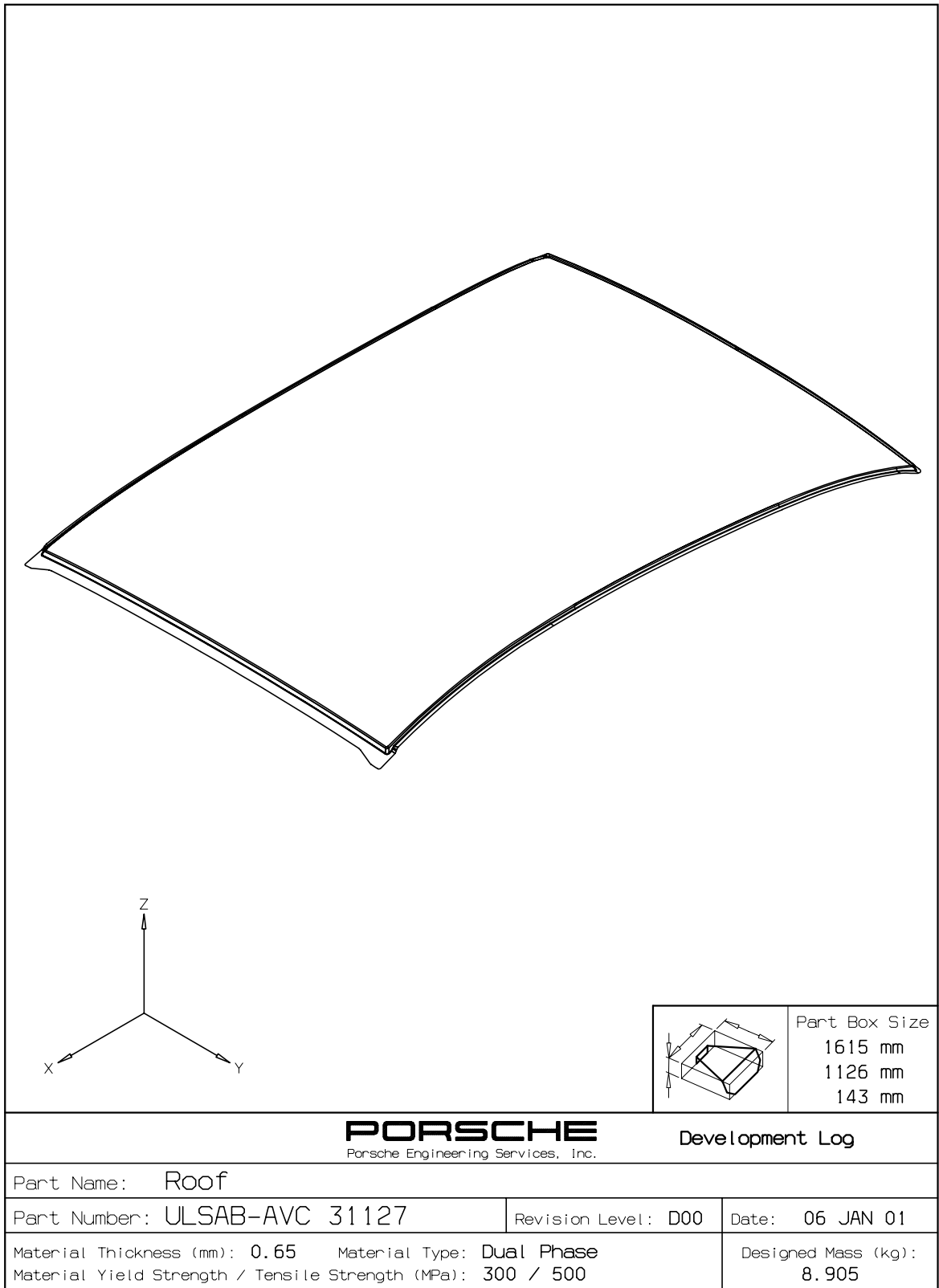
Material Thickness (mm): 0.70 Material Type: Interstitial-Free

Material Yield Strength / Tensile Strength (MPa): 300 / 420

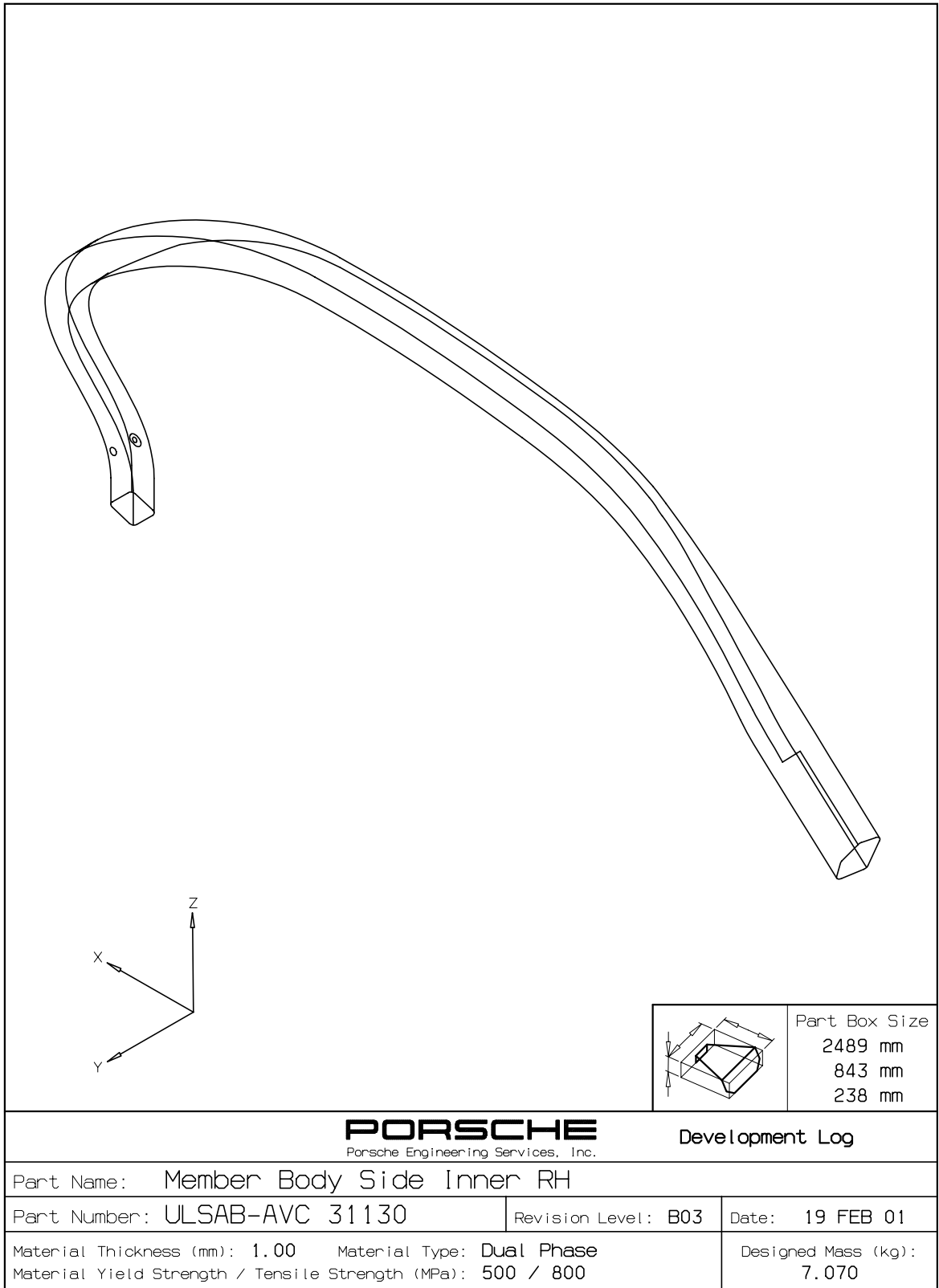
Designed Mass (kg):

0.938

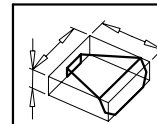
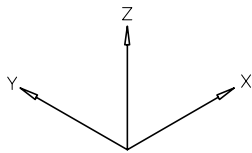
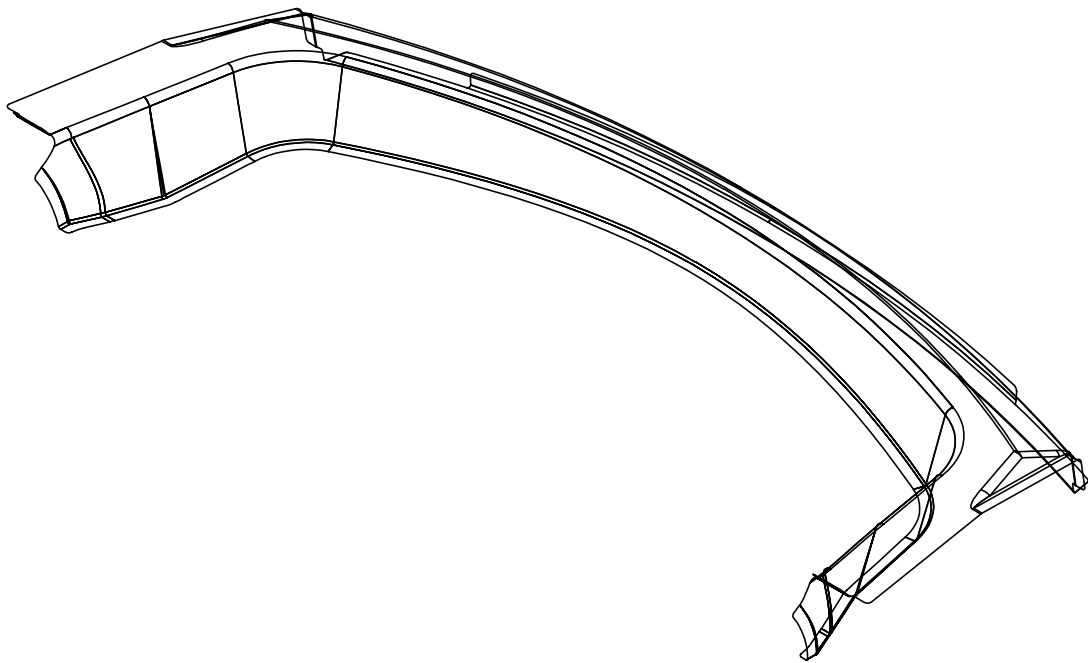
2.1.4 Parts Book Sheets - Body Structure



2.1.4 Parts Book Sheets - Body Structure



2.1.4 Parts Book Sheets - Body Structure



Part Box Size
1361 mm
562 mm
120 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Package Tray Upper

Part Number: ULSAB-AVC 31156

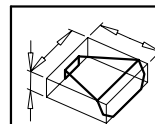
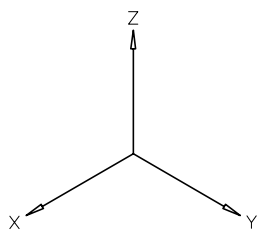
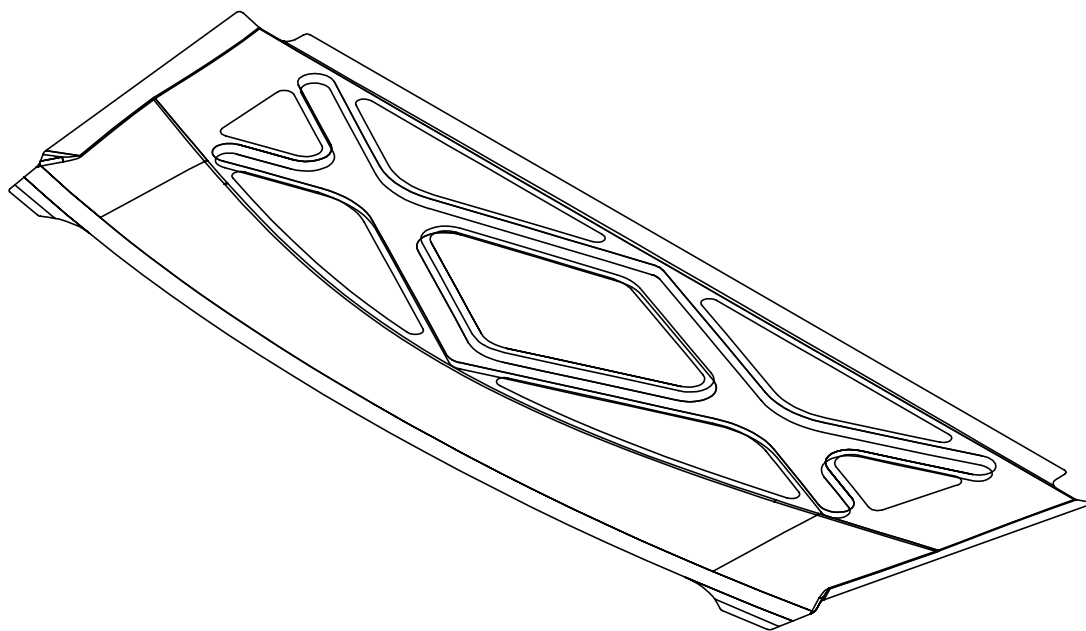
Revision Level: C02

Date: 08 JAN 01

Material Thickness (mm): 0.60 Material Type: Dual Phase
Material Yield Strength / Tensile Strength (MPa): 280 / 600

Designed Mass (kg):
2.316

2.1.4 Parts Book Sheets - Body Structure



Part Box Size
1301 mm
481 mm
10 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Package Tray Lower

Part Number: ULSAB-AVC 31157

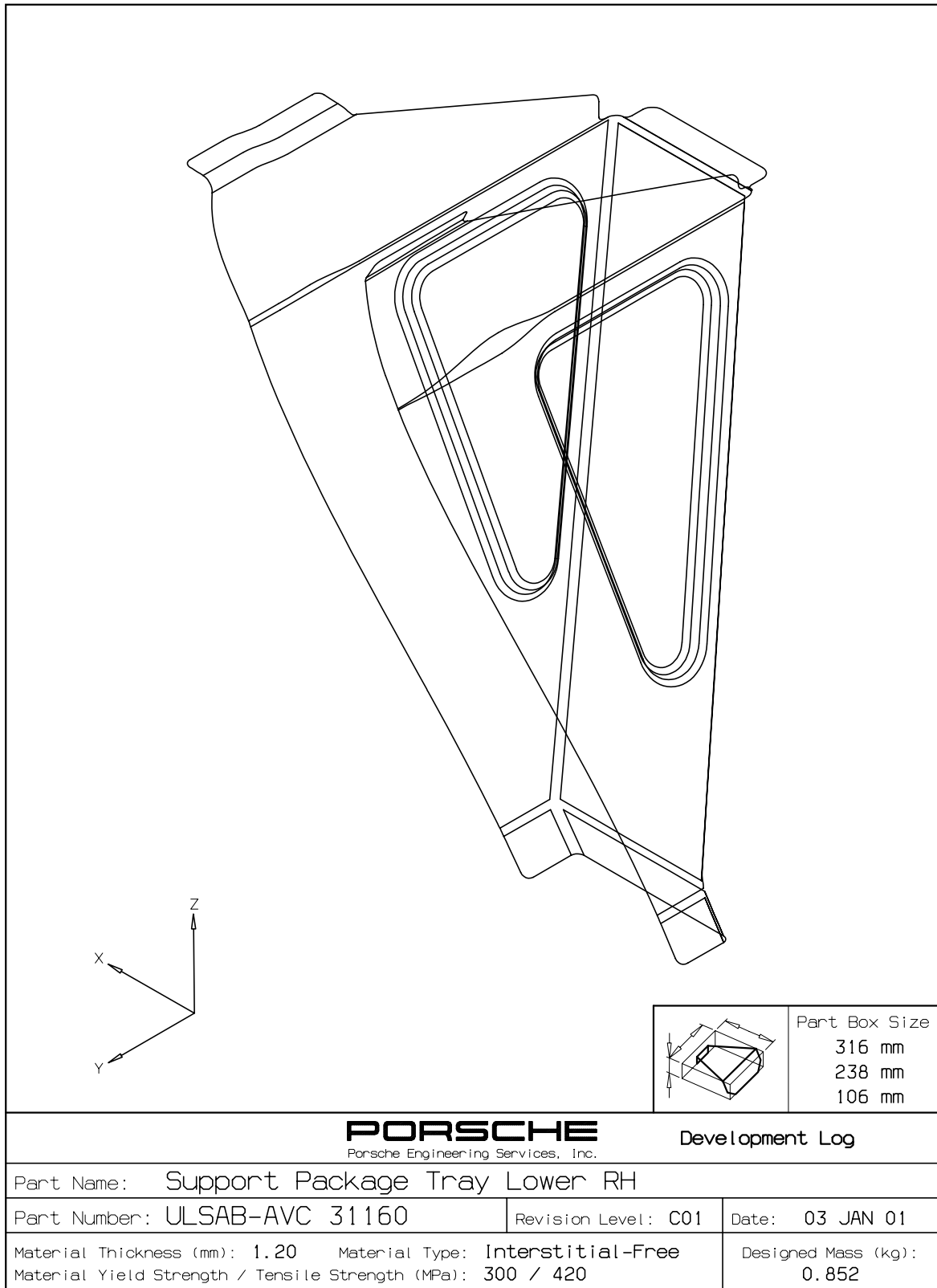
Revision Level: C00

Date: 22 DEC 00

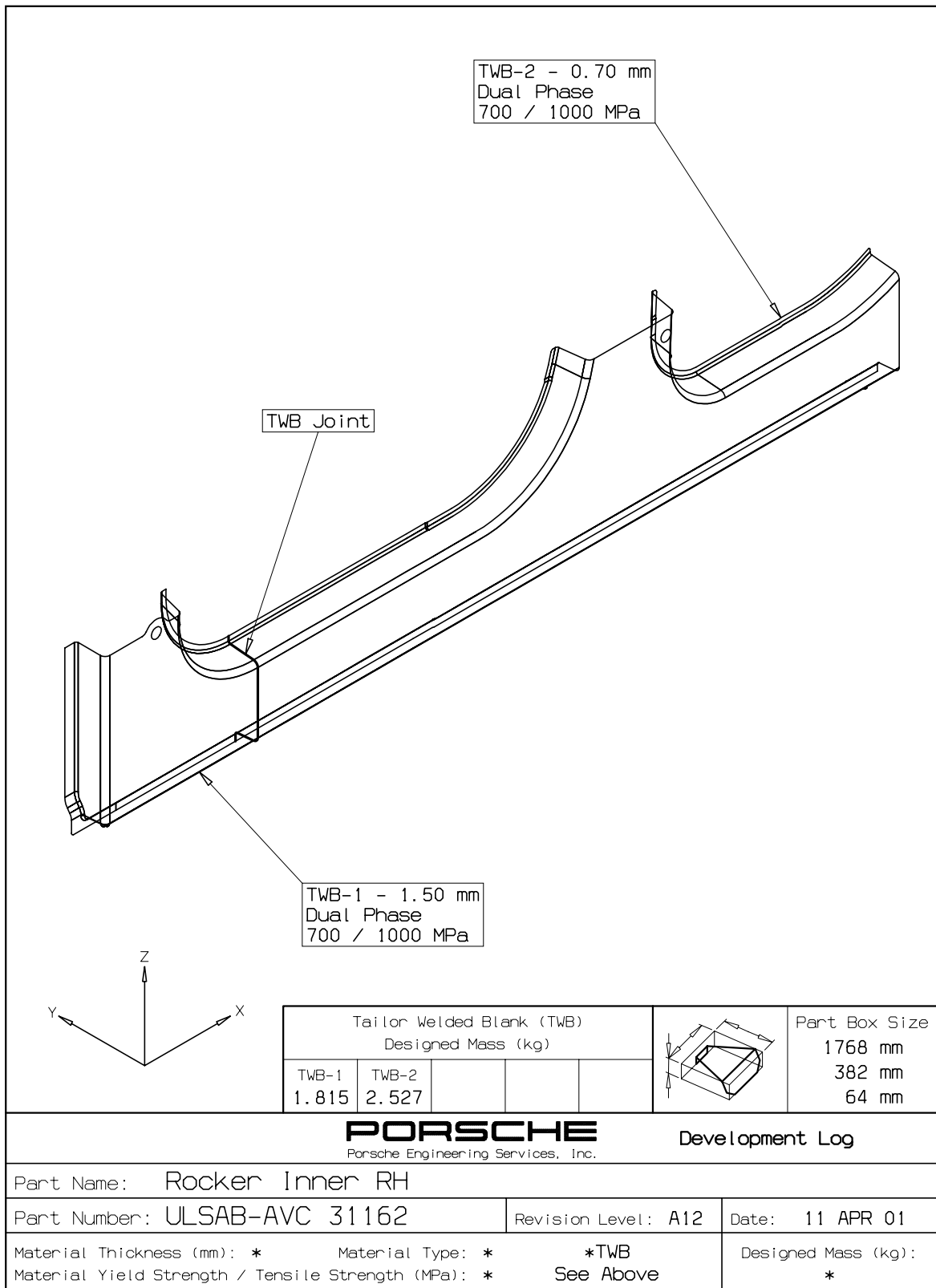
Material Thickness (mm): 0.60 Material Type: Dual Phase

Material Yield Strength / Tensile Strength (MPa): 280 / 600

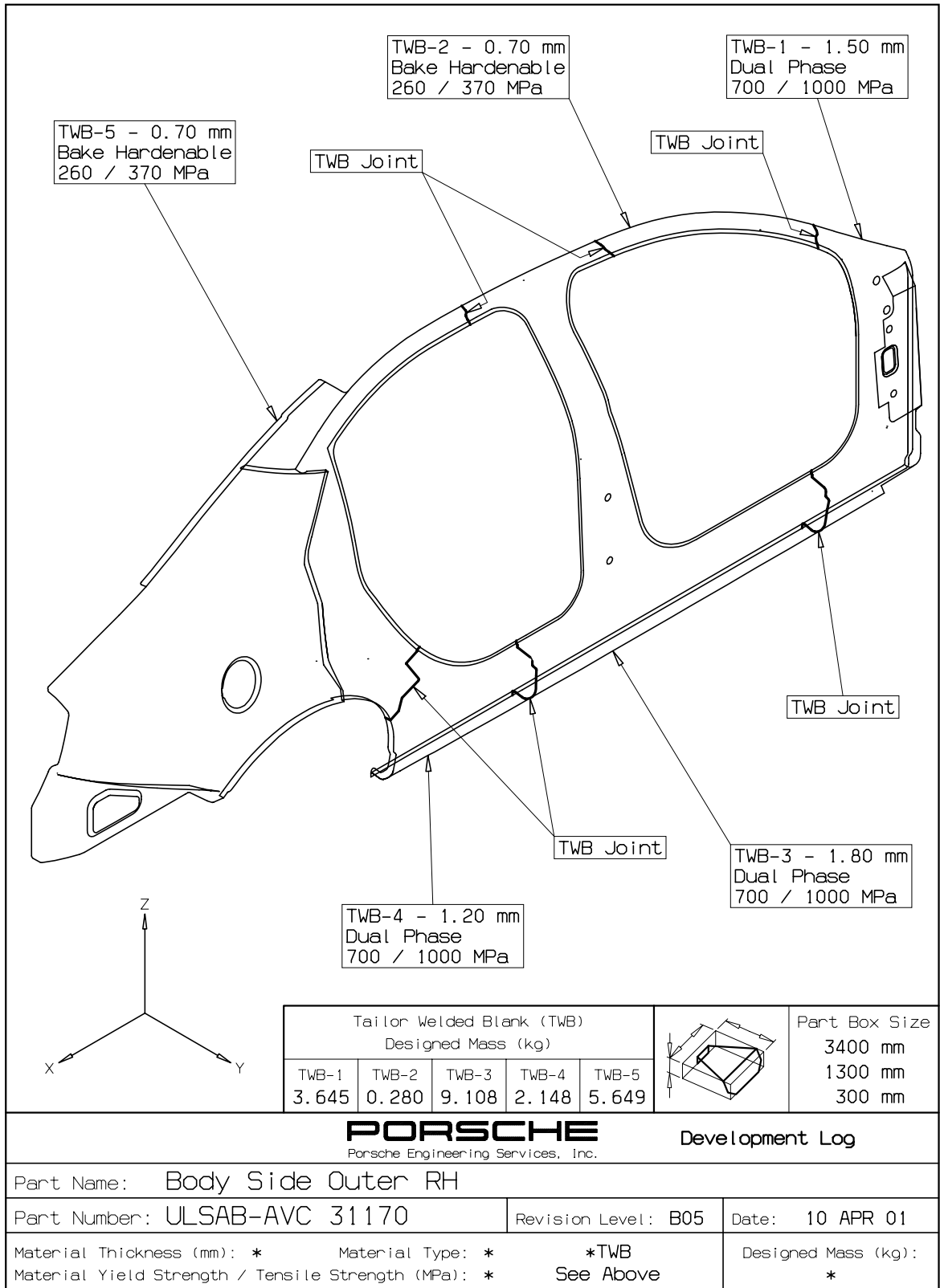
Designed Mass (kg):
2.208



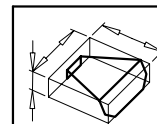
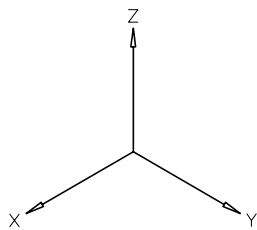
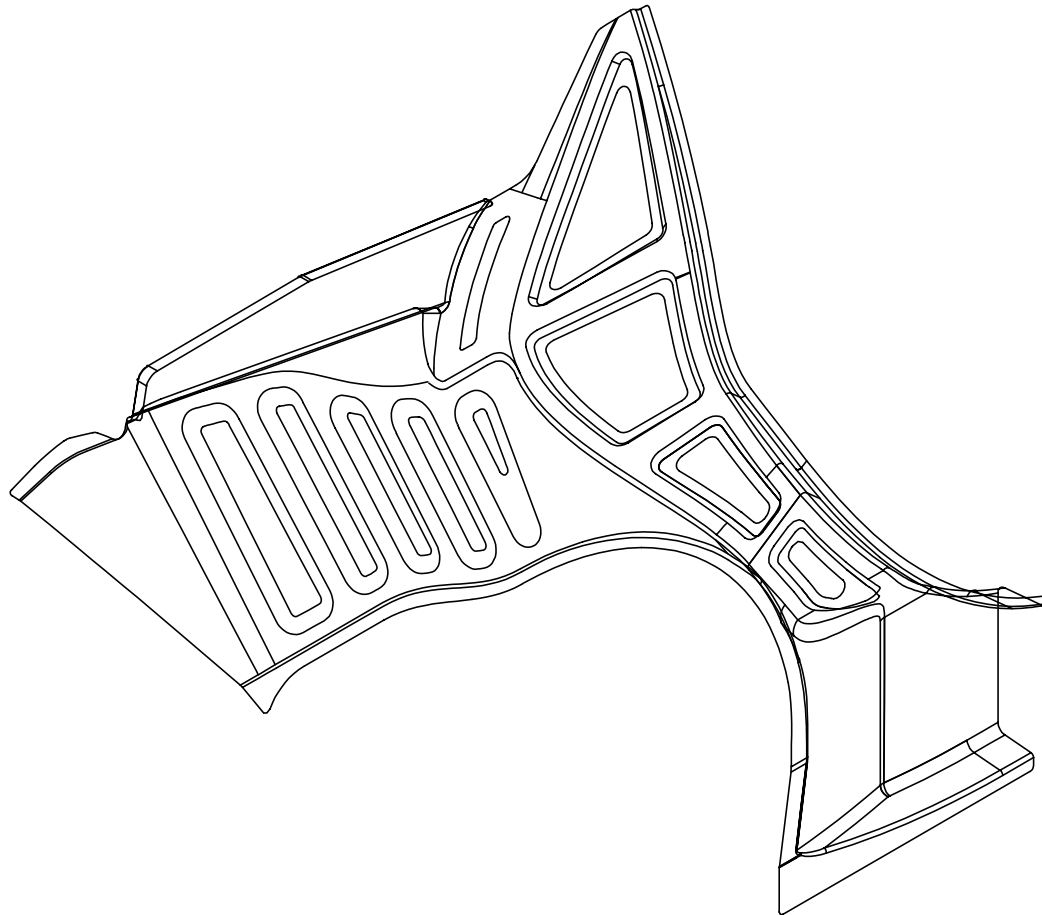
2.1.4 Parts Book Sheets - Body Structure



2.1.4 Parts Book Sheets - Body Structure



2.1.4 Parts Book Sheets - Body Structure



Part Box Size
1475 mm
775 mm
200 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Body Side Inner Rear RH

Part Number: ULSAB-AVC 31172

Revision Level: B03

Date: 08 MAR 01

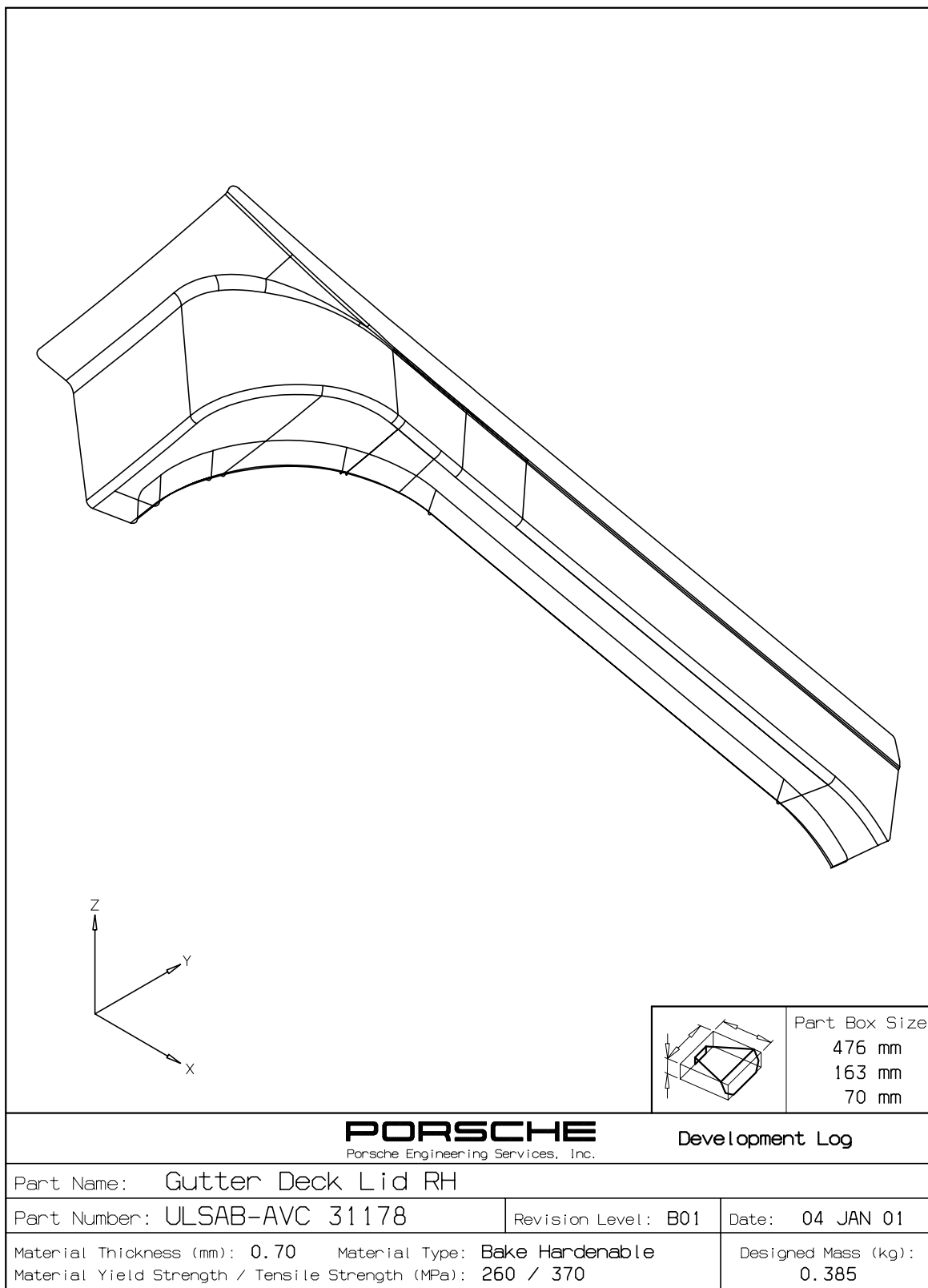
Material Thickness (mm): 0.70 Material Type: Interstitial-Free

Material Yield Strength / Tensile Strength (MPa): 300 / 420

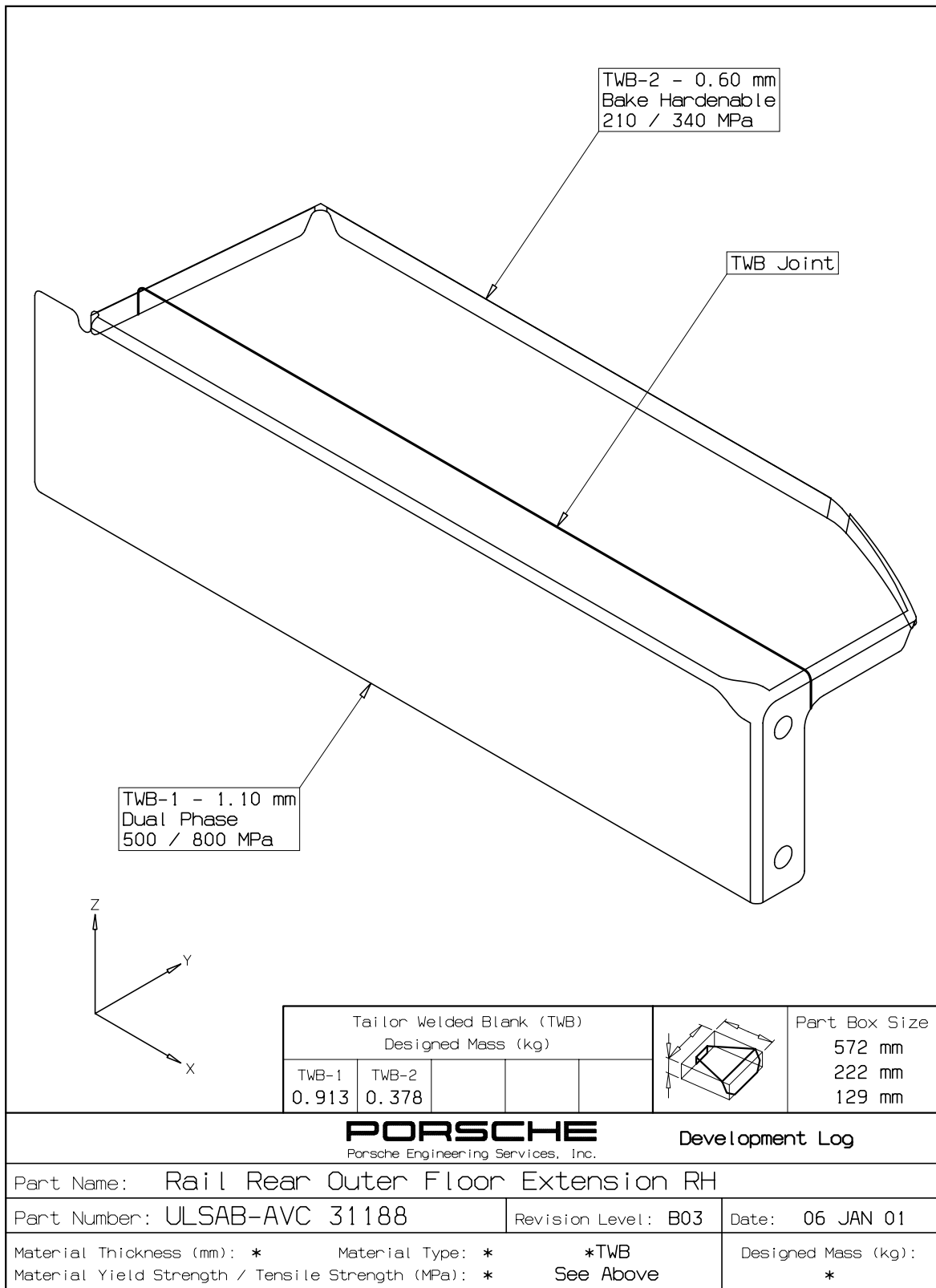
Designed Mass (kg):

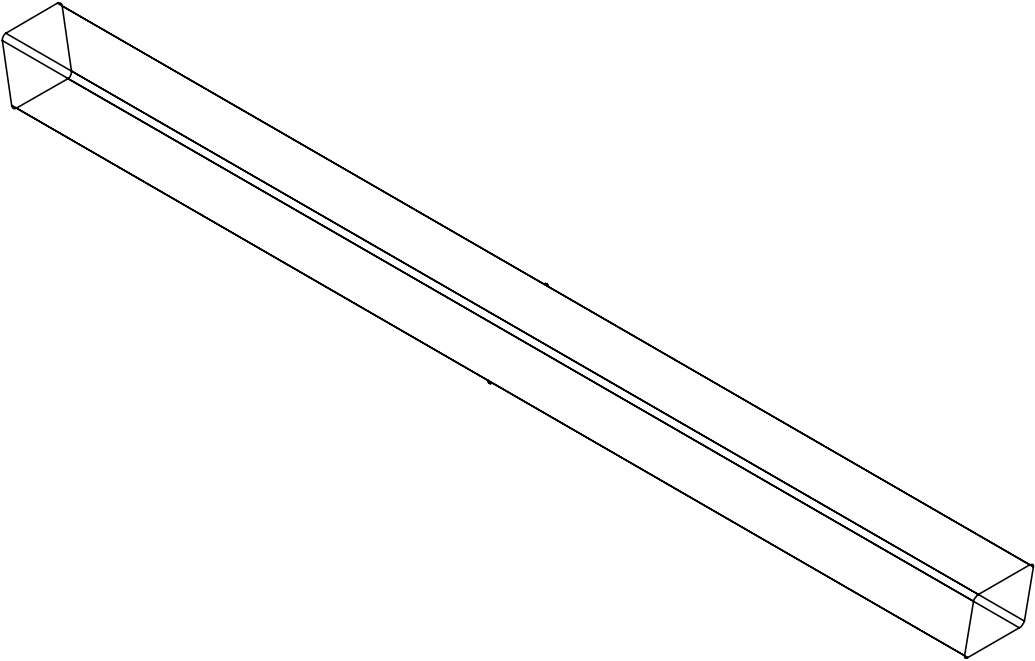
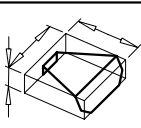
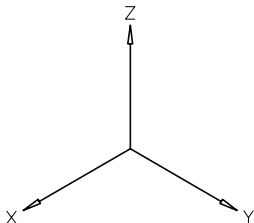
2.555

2.1.4 Parts Book Sheets - Body Structure

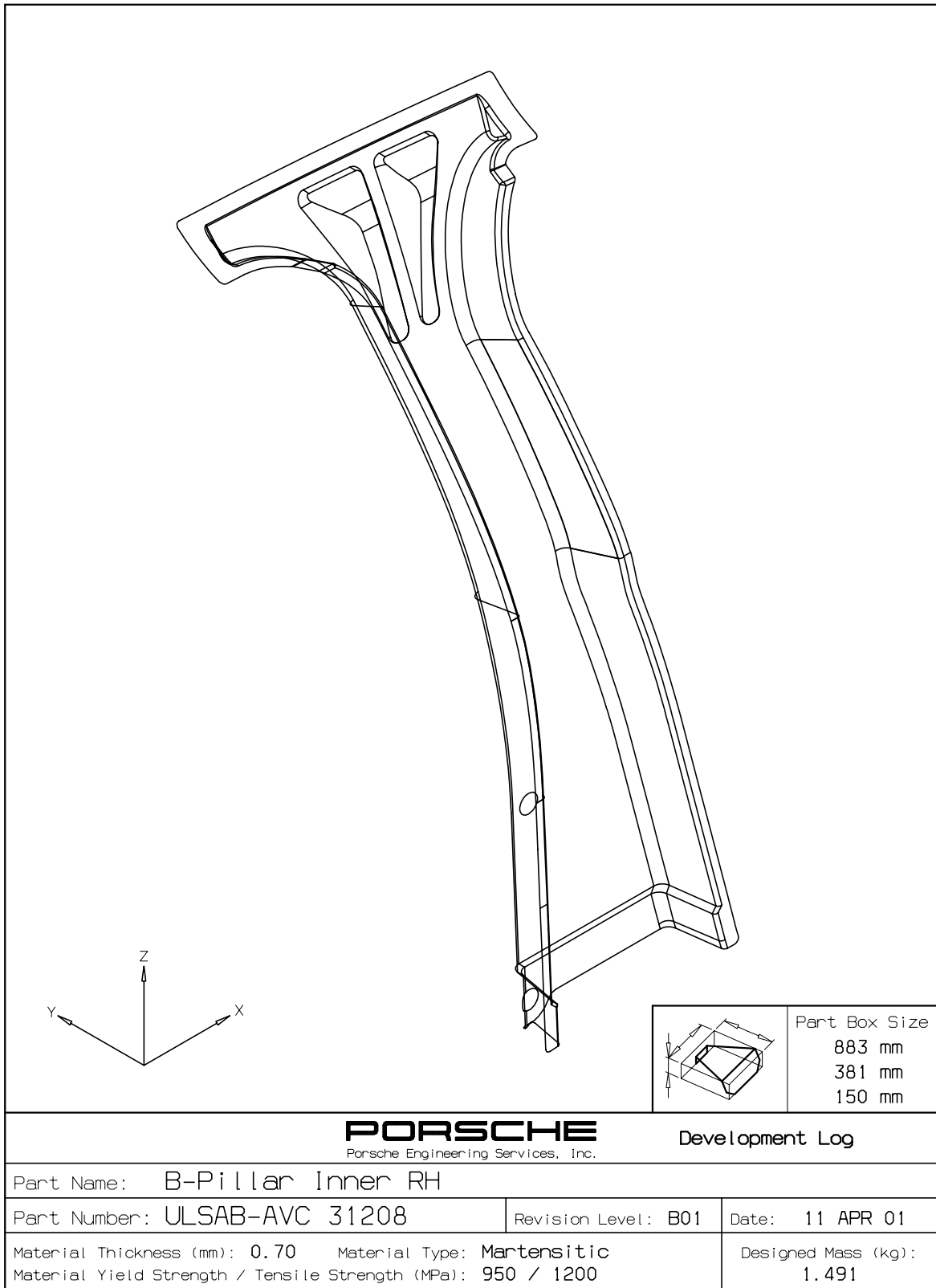


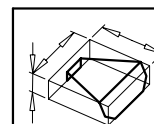
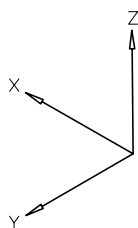
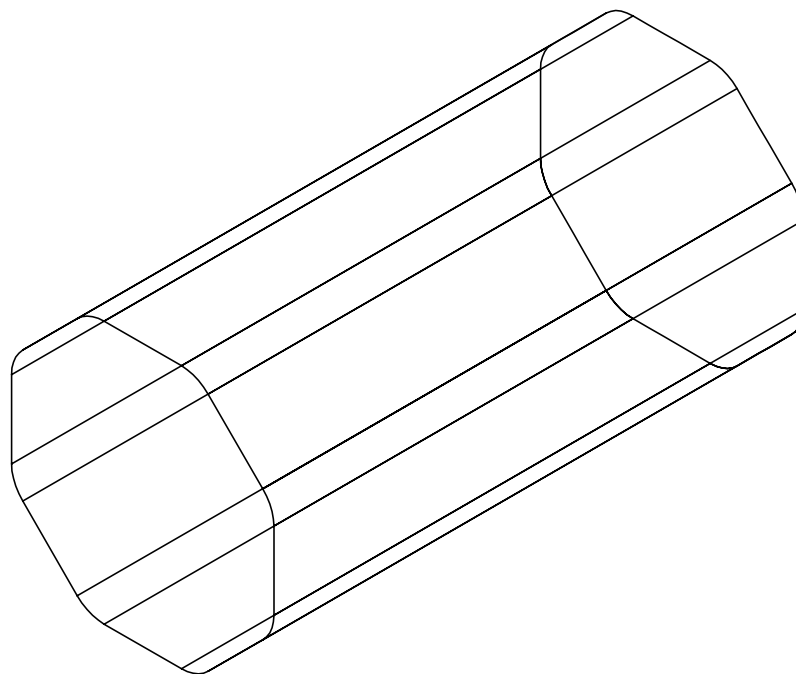
2.1.4 Parts Book Sheets - Body Structure



						Part Box Size 1172 mm 72 mm 72 mm		
			<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> PORSCHE <small>Porsche Engineering Services, Inc.</small> </div> <div>Development Log</div> </div>					
Part Name: Crossmember Package Tray								
Part Number: ULSAB-AVC 31201					Revision Level: B00		Date: 22 DEC 00	
Material Thickness (mm): 1.00 Material Type: Dual Phase Material Yield Strength / Tensile Strength (MPa): 280 / 600							Designed Mass (kg): 2.540	

2.1.4 Parts Book Sheets - Body Structure





Part Box Size
121 mm
60 mm
60 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Extension C-Member Support Front Seat Rear

Part Number: ULSAB-AVC 31212

Revision Level: A01

Date: 05 JAN 01

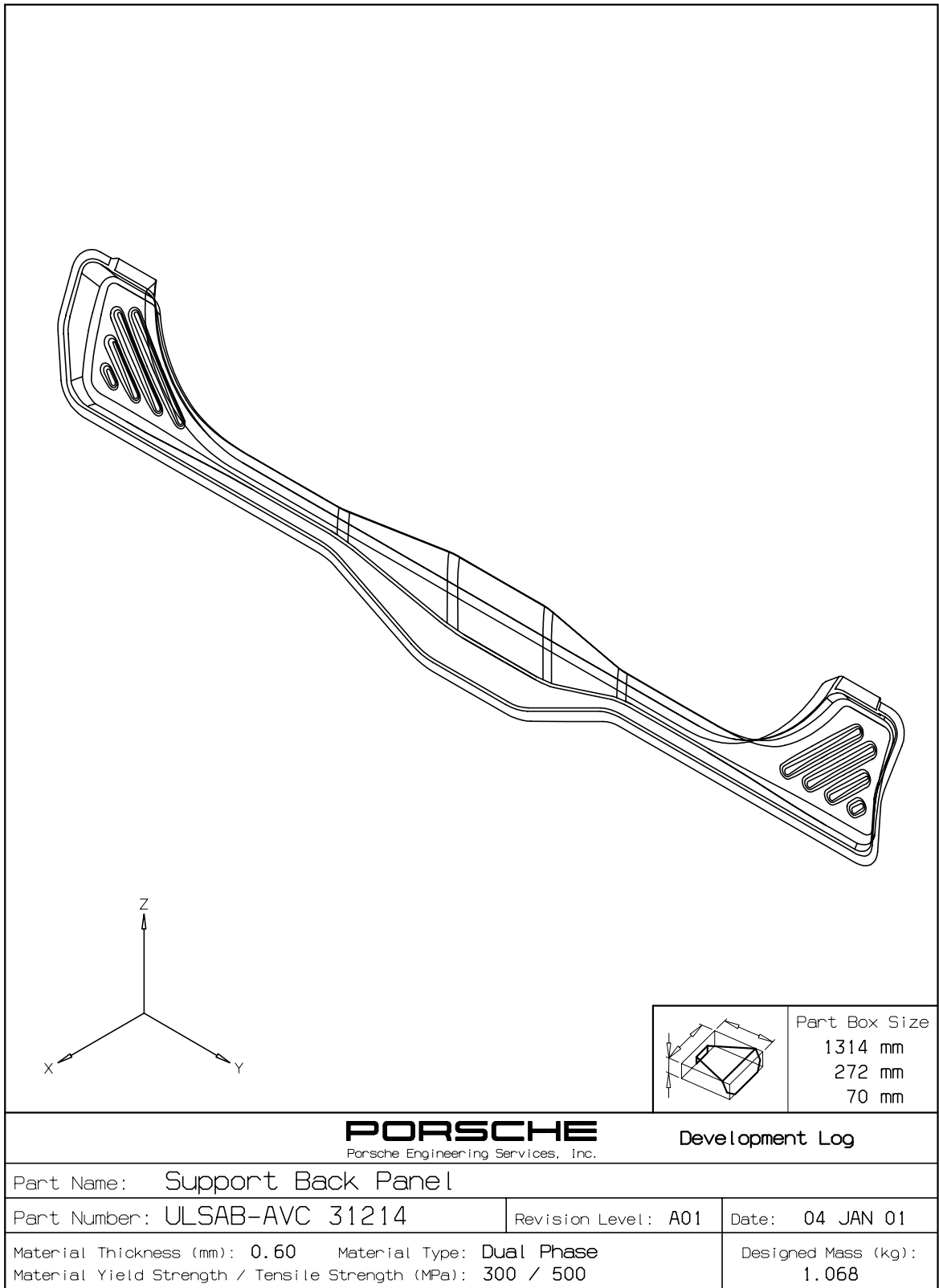
Material Thickness (mm): 1.20 Material Type: Martensitic

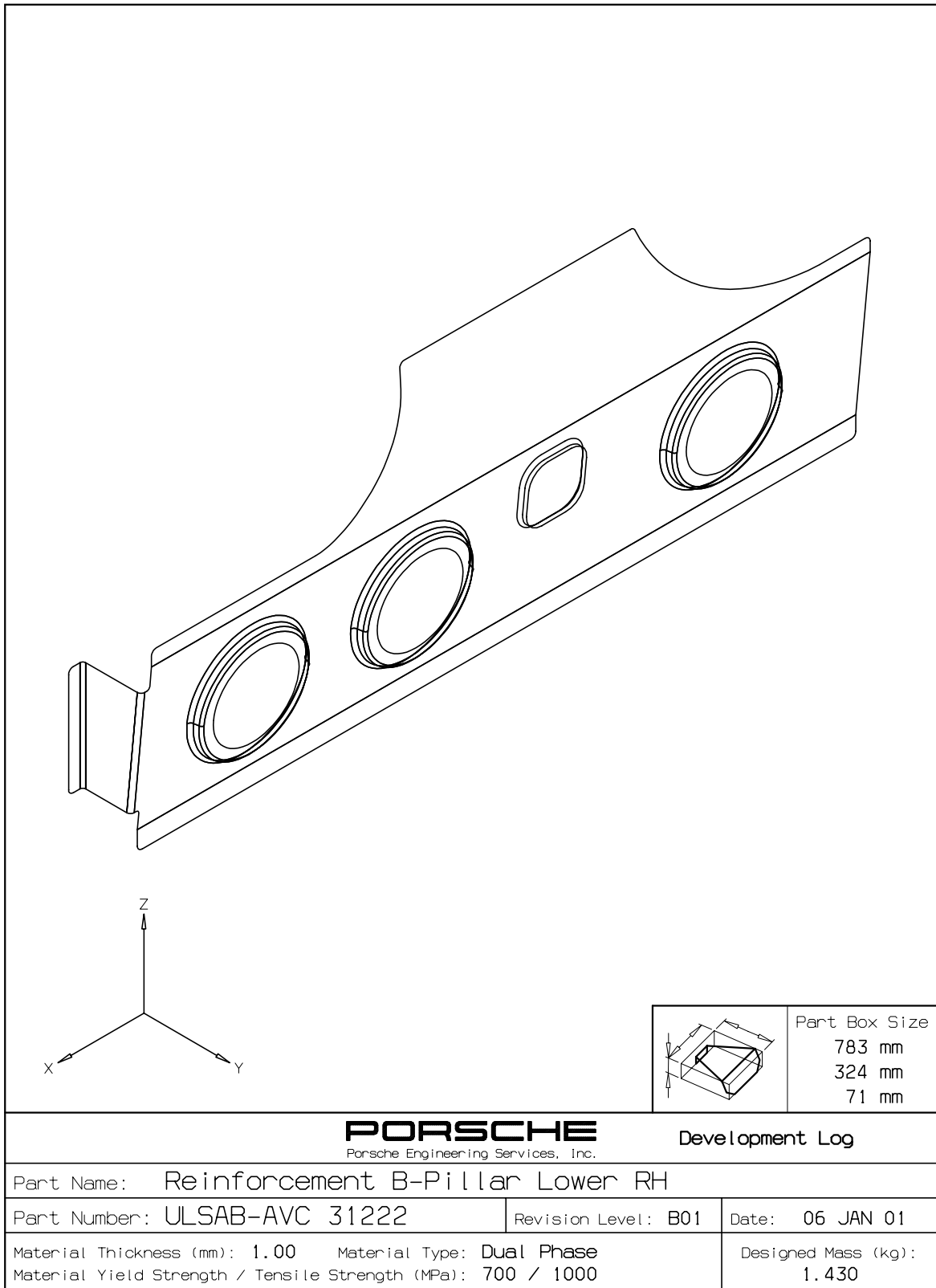
Material Yield Strength / Tensile Strength (MPa): 950 / 1200

Designed Mass (kg):

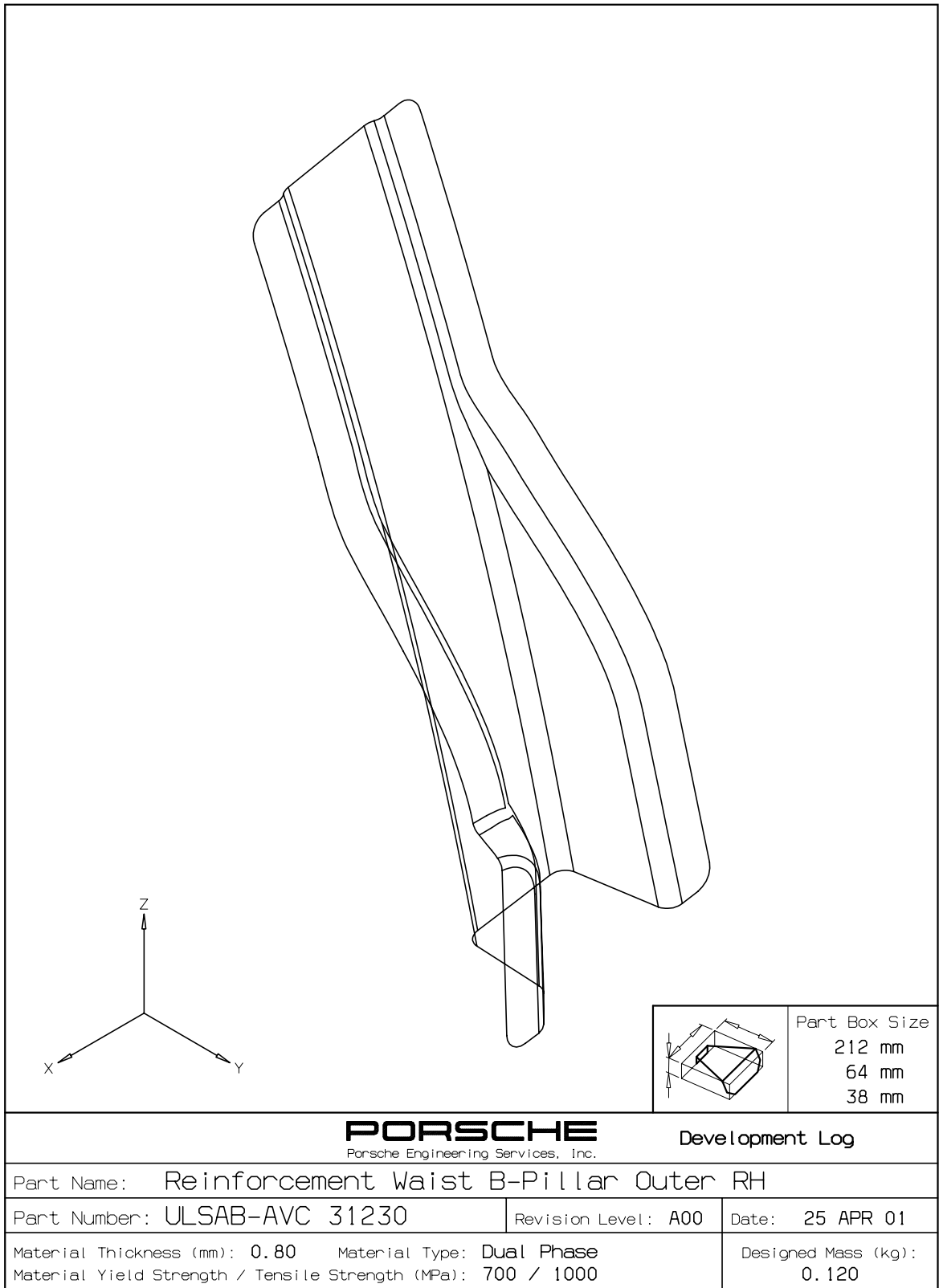
0.228

2.1.4 Parts Book Sheets - Body Structure





2.1.4 Parts Book Sheets - Body Structure



2.2 Closures Structure

2.2.1 Overview - C-Class

2.2.1.1 Parts Lists

2.2.1.1 Parts Lists - Closures Structure - C-Class - Front Door RH/LH



ULSAB-AVC - C-Class - Front Door RH/LH

Number			Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
									Yield Strength	Tensile Strength		C-Class	PNGV-Class
AVC	1	2004	Hinge Tube - Front Door RH	C02	09-Apr-01		1.20	IF *	260	410	HFT	0.648	
AVC	1	2005	Hinge Tube - Front Door LH	C02	09-Apr-01		1.20	IF *	260	410	HFT	0.648	
AVC	1	2020	Inner Front - Front Door RH	B03	10-Apr-01	1	1.00	Mild	140	270	S/TWB	0.500	
						2	1.20	Mild	140	270		0.384	
AVC	1	2021	Inner Front - Front Door LH	B03	10-Apr-01	1	1.00	Mild	140	270	S/TWB	0.500	
						2	1.20	Mild	140	270		0.384	
AVC	1	2026	Mirror Flag Outer - Front Door RH	B03	04-Apr-01		1.00	Mild	140	270	S	0.330	
AVC	1	2027	Mirror Flag Outer - Front Door LH	B03	04-Apr-01		1.00	Mild	140	270	S	0.330	
AVC	1	2045	Assy W-Reg Attach Upper - FD (0.007kg x4)	A00	09-May-01		0.90	Mild	140	270	S	0.028	
AVC	1	2047	Hinge Bushing - Front Door (0.041kg x6)	A00	09-May-01		NA	NA	NA	NA	NA	0.246	
AVC	1	2056	Latch Bushing - Front Door (0.014kg x6)	A00	09-May-01		NA	NA	NA	NA	NA	0.084	
AVC	1	2057	U-Clip M6 x 1.00 - Front Door (0.011kg x4)	A00	09-May-01		NA	NA	NA	NA	NA	0.044	
AVC	1	2058	Hex Flange Head M6 x 15 - FD (0.040kg x4)	A00	09-May-01		NA	NA	NA	NA	NA	0.160	
AVC	1	2059	Weld Stud M6 x 16 - Front Door (0.005kg x8)	A00	09-May-01		NA	NA	NA	NA	NA	0.040	
AVC	1	2060	Adhesive Bond Lwr Tube - FD (0.070kg x2)	A00	09-May-01		NA	NA	NA	NA	NA	0.140	
AVC	2	2000	Outer - Front Door RH	C04	08-Apr-01		0.60	DP	350	600	S or HFS	4.542	
AVC	2	2001	Outer - Front Door LH	C04	08-Apr-01		0.60	DP	350	600	S or HFS	4.542	
AVC	2	2006	Latch Tube - Front Door RH	C02	09-Apr-01		1.00	IF *	260	410	HFT	0.610	
AVC	2	2007	Latch Tube - Front Door LH	C02	09-Apr-01		1.00	IF *	260	410	HFT	0.610	
AVC	2	2008	Lower Tube - Front Door (x2)	D00	04-Apr-01		1.50	DP *	500	800	ST	3.450	
AVC	2	2010	Outer Belt Reinforcement - Front Door (x2)	D00	05-Apr-01		1.00	DP *	500	800	ST	1.860	
AVC	2	2022	Inner Rear - Front Door RH	B02	11-Apr-01		0.60	Mild	140	270	S	0.696	
AVC	2	2023	Inner Rear - Front Door LH	B02	11-Apr-01		0.60	Mild	140	270	S	0.696	
AVC	2	2050	Reinforcement Latch - Front Door RH	A00	02-Apr-01		1.20	Mild	140	270	S	0.060	
AVC	2	2051	Reinforcement Latch - Front Door LH	A00	02-Apr-01		1.20	Mild	140	270	S	0.060	
TOTAL												21.592	

Code	Manufacturing Process
S	Stamped
S/TWB	Stamped / Tailor Welded Blanks
HFT	Hydroformed Tube
S or HFS	Stamped or Hydroformed Sheet
ST	Straight or Shaped Tube

* denotes Tube

Code	Steel Types
DP	Dual Phase
IF	Interstitial-Free
Mild	Mild Steel

2.2.1.1 Parts Lists - Closures Structure - C-Class - Hood



ULSAB-AVC - C-Class - Hood

Number			Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
									Yield Strength	Tensile Strength		C-Class	PNGV-Class
AVC	1	2600	Inner - Hood	B01	10-Apr-01		0.60	Mild	140	270	S	3.408	
AVC	1	2601	Outer - Hood	B00	09-Feb-01		0.60	DP	350	600	S or HFS	5.676	
AVC	1	x	Striker Assembly - Hood	Ref: ULSAC Phase-1			2.50	Mild	140	270	S	0.070	
AVC	1	x	Reinforcement Striker - Hood	Ref: ULSAC Phase-1			1.50	Mild	140	270	S	0.070	
AVC	1	x	Reinforcement Hinge - Hood (x2)	Ref: ULSAC Phase-1			1.50	Mild	140	270	S	0.310	
TOTAL												9.534	

Code	Manufacturing Process
S	Stamped
S/TWB	Stamped / Tailor Welded Blanks
HFT	Hydroformed Tube
S or HFS	Stamped or Hydroformed Sheet
ST	Straight or Shaped Tube

* denotes Tube

Code	Steel Types
DP	Dual Phase
IF	Interstitial-Free
Mild	Mild Steel

2.2.1.1 Parts Lists - Closures Structure - C-Class - Liftgate



ULSAB-AVC - C-Class - Liftgate

Number			Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
									Yield Strength	Tensile Strength		C-Class	PNGV-Class
AVC	2	2400	Inner - Liftgate	B03	14-Feb-01		0.60	Mild	140	270	S	2.796	
AVC	2	2401	Outer - Liftgate	B03	14-Feb-01		0.60	DP	350	600	S or HFS	3.408	
AVC	2	2402	Member Aperture - Liftgate	B00	02-Feb-01		0.70	Mild *	140	270	HFT	2.240	
AVC	2	x	Reinforcement Latch - Liftgate	Ref: ULSAC Phase-1			1.50	Mild	140	270	S	0.120	
TOTAL												8.564	

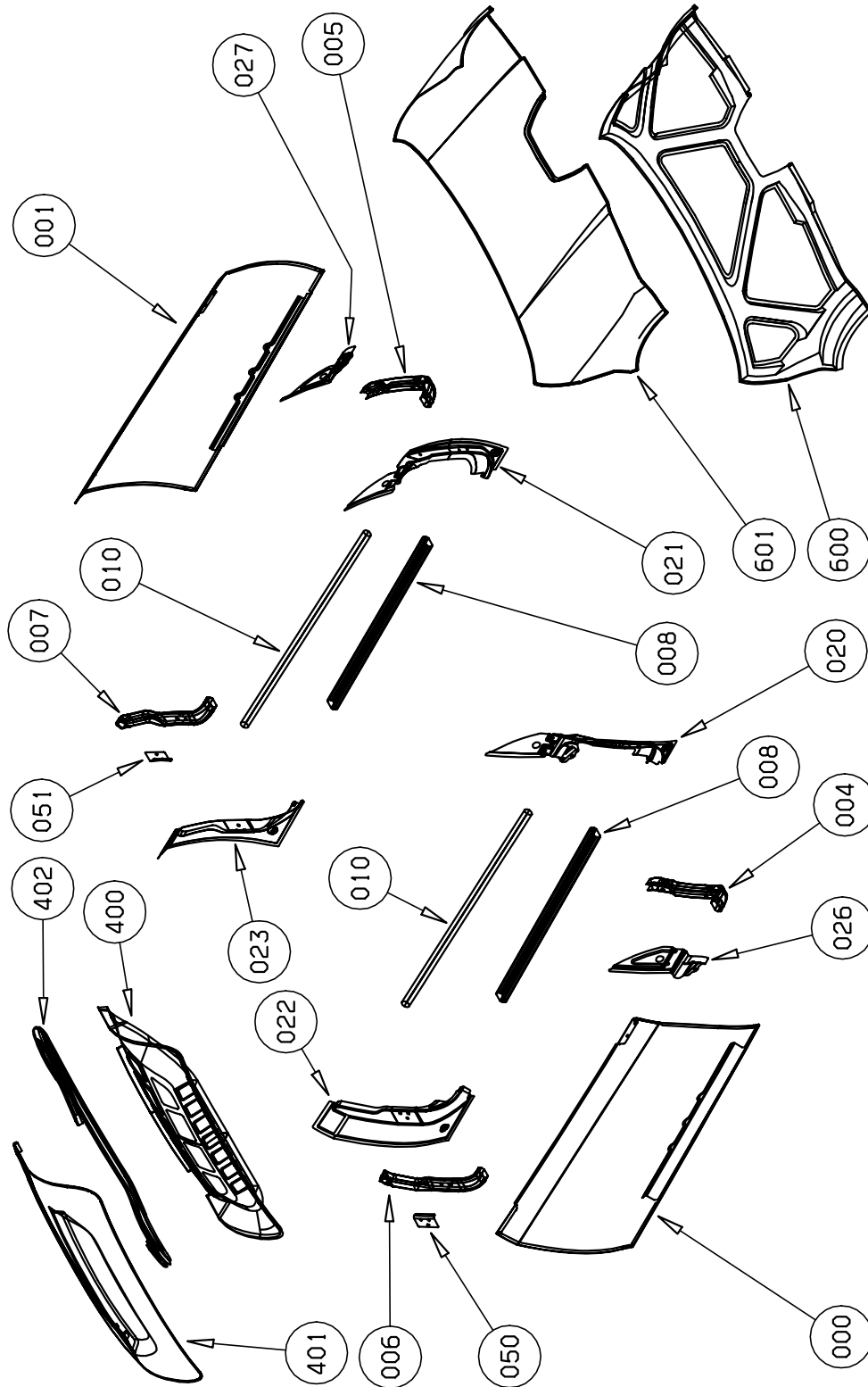
Code	Manufacturing Process
S	Stamped
S/TWB	Stamped / Tailor Welded Blanks
HFT	Hydroformed Tube
S or HFS	Stamped or Hydroformed Sheet
ST	Straight or Shaped Tube

* denotes Tube

Code	Steel Types
DP	Dual Phase
IF	Interstitial-Free
Mild	Mild Steel

2.2.1.2 Exploded View

2.2.1.2 Exploded View - Closures Structure - C-Class



2.2.2 Overview - PNGV-Class

2.2.2.1 Parts Lists

2.2.2.1 Parts Lists - Closures Structure - PNGV-Class - Front Door RH/LH



ULSAB-AVC - PNGV-Class - Front Door RH/LH

Number			Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
									Yield Strength	Tensile Strength		C-Class	PNGV-Class
AVC	1	2004	Hinge Tube - Front Door RH	C02	09-Apr-01		1.20	IF *	260	410	HFT		0.648
AVC	1	2005	Hinge Tube - Front Door LH	C02	09-Apr-01		1.20	IF *	260	410	HFT		0.648
AVC	1	2020	Inner Front - Front Door RH	B03	10-Apr-01	1	1.00	Mild	140	270	S/TWB		0.500
						2	1.20	Mild	140	270			0.384
AVC	1	2021	Inner Front - Front Door LH	B03	10-Apr-01	1	1.00	Mild	140	270	S/TWB		0.500
						2	1.20	Mild	140	270			0.384
AVC	1	2045	Assy W-Reg Attach Upper - FD (0.007kg x4)	A00	09-May-01		0.90	Mild	140	270	S		0.028
AVC	1	2047	Hinge Bushing - Front Door (0.041kg x6)	A00	09-May-01		NA	NA	NA	NA	NA		0.246
AVC	1	2056	Latch Bushing - Front Door (0.014kg x6)	A00	09-May-01		NA	NA	NA	NA	NA		0.084
AVC	1	2057	U-Clip M6 x 1.00 - Front Door (0.011kg x4)	A00	09-May-01		NA	NA	NA	NA	NA		0.044
AVC	1	2058	Hex Flange Head M6 x 15 - FD (0.040kg x4)	A00	09-May-01		NA	NA	NA	NA	NA		0.160
AVC	1	2059	Weld Stud M6 x 16 - Front Door (0.005kg x8)	A00	09-May-01		NA	NA	NA	NA	NA		0.040
AVC	1	2060	Adhesive Bond Lwr Tube - FD (0.070kg x2)	A00	09-May-01		NA	NA	NA	NA	NA		0.140
AVC	1	2026	Mirror Flag Outer - Front Door RH	B03	04-Apr-01		1.00	Mild	140	270	S		0.330
AVC	1	2027	Mirror Flag Outer - Front Door LH	B03	04-Apr-01		1.00	Mild	140	270	S		0.330
AVC	3	2006	Latch Tube - Front Door RH	C02	10-Apr-01		1.00	IF *	260	410	HFT		0.620
AVC	3	2007	Latch Tube - Front Door LH	C02	10-Apr-01		1.00	IF *	260	410	HFT		0.620
AVC	3	2008	Lower Tube - Front Door (x2)	D00	04-Apr-01		1.50	DP *	500	800	ST		2.580
AVC	3	2010	Outer Belt Reinforcement - Front Door (x2)	D00	05-Apr-01		1.00	DP *	500	800	ST		1.600
AVC	3	2028	Outer - Front Door RH	B05	08-Apr-01		0.60	DP	350	600	S or HFS		3.792
AVC	3	2029	Outer - Front Door LH	B05	08-Apr-01		0.60	DP	350	600	S or HFS		3.792
AVC	3	2030	Inner Rear - Front Door RH	B02	10-Apr-01		0.60	Mild	140	270	S		0.798
AVC	3	2031	Inner Rear - Front Door LH	B02	10-Apr-01		0.60	Mild	140	270	S		0.798
AVC	3	2052	Reinforcement Latch - Front Door RH	A00	02-Apr-01		1.20	Mild	140	270	S		0.060
AVC	3	2053	Reinforcement Latch - Front Door LH	A00	02-Apr-01		1.20	Mild	140	270	S		0.060
TOTAL													19.186

Code	Manufacturing Process
S	Stamped
S/TWB	Stamped / Tailor Welded Blanks
HFT	Hydroformed Tube
S or HFS	Stamped or Hydroformed Sheet
ST	Straight or Shaped Tube

* denotes Tube

Code	Steel Types
DP	Dual Phase
IF	Interstitial-Free
Mild	Mild Steel

2.2.2.1 Parts Lists - Closures Structure - PNGV-Class - Rear Door RH/LH



ULSAB-AVC - PNGV-Class - Rear Door RH/LH

Number	Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
							Yield Strength	Tensile Strength		C-Class	PNGV-Class
AVC 1	2045 Assy W-Reg Attach Upper - FD (0.007kg x4)	A00	09-May-01		0.90	Mild	140	270	S		0.028
AVC 1	2047 Hinge Bushing - Front Door (0.041kg x6)	A00	09-May-01		NA	NA	NA	NA	NA		0.246
AVC 1	2056 Latch Bushing - Front Door (0.014kg x6)	A00	09-May-01		NA	NA	NA	NA	NA		0.084
AVC 1	2059 Weld Stud M6 x 16 - Front Door (0.005kg x8)	A00	09-May-01		NA	NA	NA	NA	NA		0.040
AVC 1	2060 Adhesive Bond Lwr Tube - FD (0.070kg x2)	A00	09-May-01		NA	NA	NA	NA	NA		0.140
AVC 3	2032 Outer - Rear Door RH	B02	05-Apr-01		0.60	DP	350	600	S or HFS		3.792
AVC 3	2033 Outer - Rear Door LH	B02	05-Apr-01		0.60	DP	350	600	S or HFS		3.792
AVC 3	2034 Inner Front - Rear Door RH	B02	12-Apr-01	1	1.00	Mild	140	270	S/TWB		0.430
				2	1.20	Mild	140	270			0.408
AVC 3	2035 Inner Front - Rear Door LH	B02	12-Apr-01	1	1.00	Mild	140	270	S/TWB		0.430
				2	1.20	Mild	140	270			0.408
AVC 3	2038 Inner Rear - Rear Door RH	B02	12-Apr-01		0.60	Mild	140	270	S		1.062
AVC 3	2039 Inner Rear - Rear Door LH	B02	12-Apr-01		0.60	Mild	140	270	S		1.062
AVC 3	2040 Hinge Tube - Rear Door RH	B02	12-Apr-01		1.20	IF *	260	410	HFT		0.744
AVC 3	2041 Hinge Tube - Rear Door LH	B02	10-Apr-01		1.20	IF *	260	410	HFT		0.744
AVC 3	2042 Latch Tube - Rear Door RH	B02	12-Apr-01		1.00	IF *	260	410	HFT		0.850
AVC 3	2043 Latch Tube - Rear Door LH	B02	12-Apr-01		1.00	IF *	260	410	HFT		0.850
AVC 3	2044 Lower Tube - Rear Door (x2)	C00	04-Apr-01		1.50	DP *	500	800	ST		1.560
AVC 3	2046 Outer Belt Reinforcement - Rear Door (x2)	C00	05-Apr-01		1.00	DP *	500	800	ST		1.480
AVC 3	2048 Reinf Belt Hinge Tube - Rear Door RH	B02	12-Apr-01		1.10	Mild	140	270	S		0.143
AVC 3	2049 Reinf Belt Hinge Tube - Rear Door LH	B02	12-Apr-01		1.10	Mild	140	270	S		0.143
AVC 3	2054 Reinforcement Latch - Rear Door RH	A00	02-Apr-01		1.20	Mild	140	270	S		0.060
AVC 3	2055 Reinforcement Latch - Rear Door LH	A00	02-Apr-01		1.20	Mild	140	270	S		0.060
TOTAL											18.556

Code	Manufacturing Process
S	Stamped
S/TWB	Stamped / Tailor Welded Blanks
HFT	Hydroformed Tube
S or HFS	Stamped or Hydroformed Sheet
ST	Straight or Shaped Tube

* denotes Tube

Code	Steel Types
DP	Dual Phase
IF	Interstitial-Free
Mild	Mild Steel

2.2.2.1 Parts Lists - Closures Structure - PNGV-Class - Hood



ULSAB-AVC - PNGV-Class - Hood

Number			Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
									Yield Strength	Tensile Strength			PNGV-Class
AVC	1	2600	Inner - Hood	B01	10-Apr-01		0.60	Mild	140	270	S		3.408
AVC	1	2601	Outer - Hood	B00	09-Feb-01		0.60	DP	350	600	S or HFS		5.676
AVC	1	x	Striker Assembly - Hood	Ref: ULSAC Phase-1			2.50	Mild	140	270	S		0.070
AVC	1	x	Reinforcement Striker - Hood	Ref: ULSAC Phase-1			1.50	Mild	140	270	S		0.070
AVC	1	x	Reinforcement Hinge - Hood (x2)	Ref: ULSAC Phase-1			1.50	Mild	140	270	S		0.310
TOTAL													9.534

Code	Manufacturing Process
S	Stamped
S/TWB	Stamped / Tailor Welded Blanks
HFT	Hydroformed Tube
S or HFS	Stamped or Hydroformed Sheet
ST	Straight or Shaped Tube

* denotes Tube

Code	Steel Types
DP	Dual Phase
IF	Interstitial-Free
Mild	Mild Steel

2.2.2.1 Parts Lists - Closures Structure - PNGV-Class - Deck Lid



ULSAB-AVC - PNGV-Class - Deck Lid

Number			Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Designed Mass (kg)	
									Yield Strength	Tensile Strength	C-Class	PNGV-Class
AVC	3	2500	Inner - Deck Lid	C01	10-Apr-01		0.60	Mild	140	270		3.768
AVC	3	2501	Outer - Deck Lid	C00	12-Jan-01		0.60	DP	350	600		6.072
AVC	3	x	Striker Assembly - Decklid	Ref: ULSAC Phase-1			1.50	Mild	140	270		0.070
AVC	3	x	Reinforcement Striker - Decklid	Ref: ULSAC Phase-1			1.50	Mild	140	270		0.040
AVC	3	x	Reinforcement Hinge - Decklid (x2)	Ref: ULSAC Phase-1			1.20	Mild	140	270		0.320
TOTAL												10.270

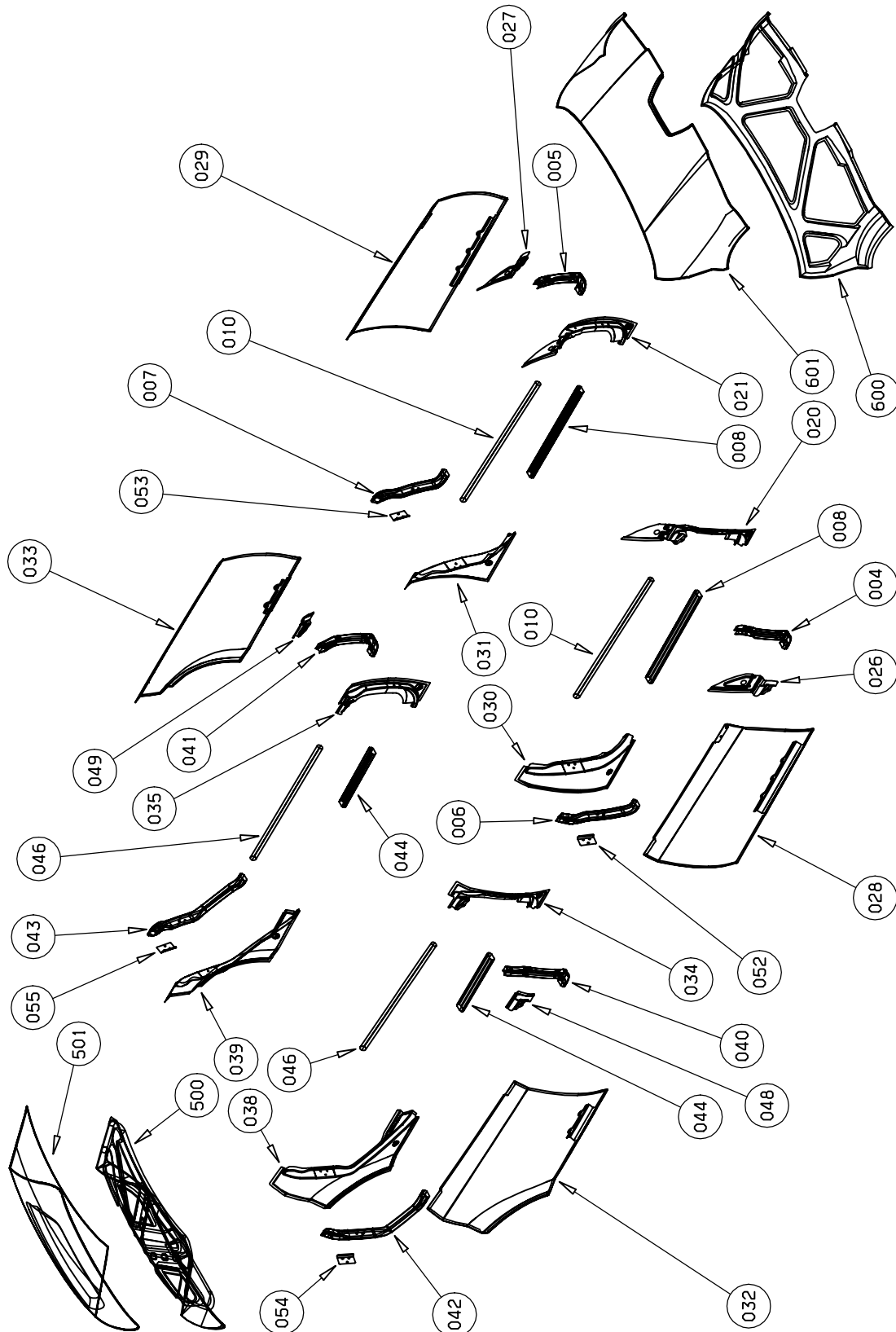
Code	Manufacturing Process
S	Stamped
S/TWB	Stamped / Tailor Welded Blanks
HFT	Hydroformed Tube
S or HFS	Stamped or Hydroformed Sheet
ST	Straight or Shaped Tube

* denotes Tube

Code	Steel Types
DP	Dual Phase
IF	Interstitial-Free
Mild	Mild Steel

2.2.2.2 Exploded View

2.2.2.2 Exploded View - Closures Structure - PNGV-Class



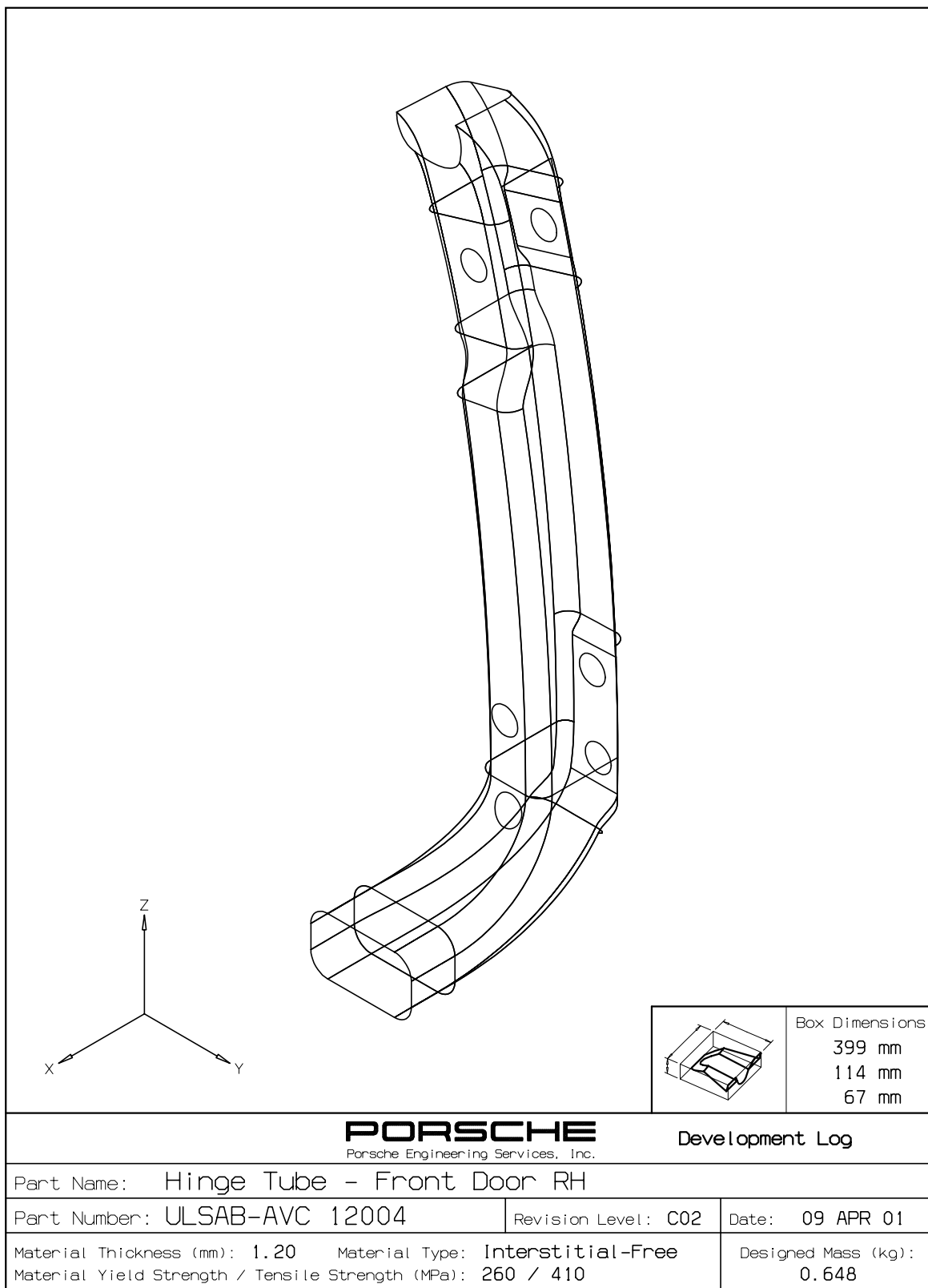
2.2.3 Front Doors - C-Class/PNGV-Class

2.2.3.1 Parts Book Index

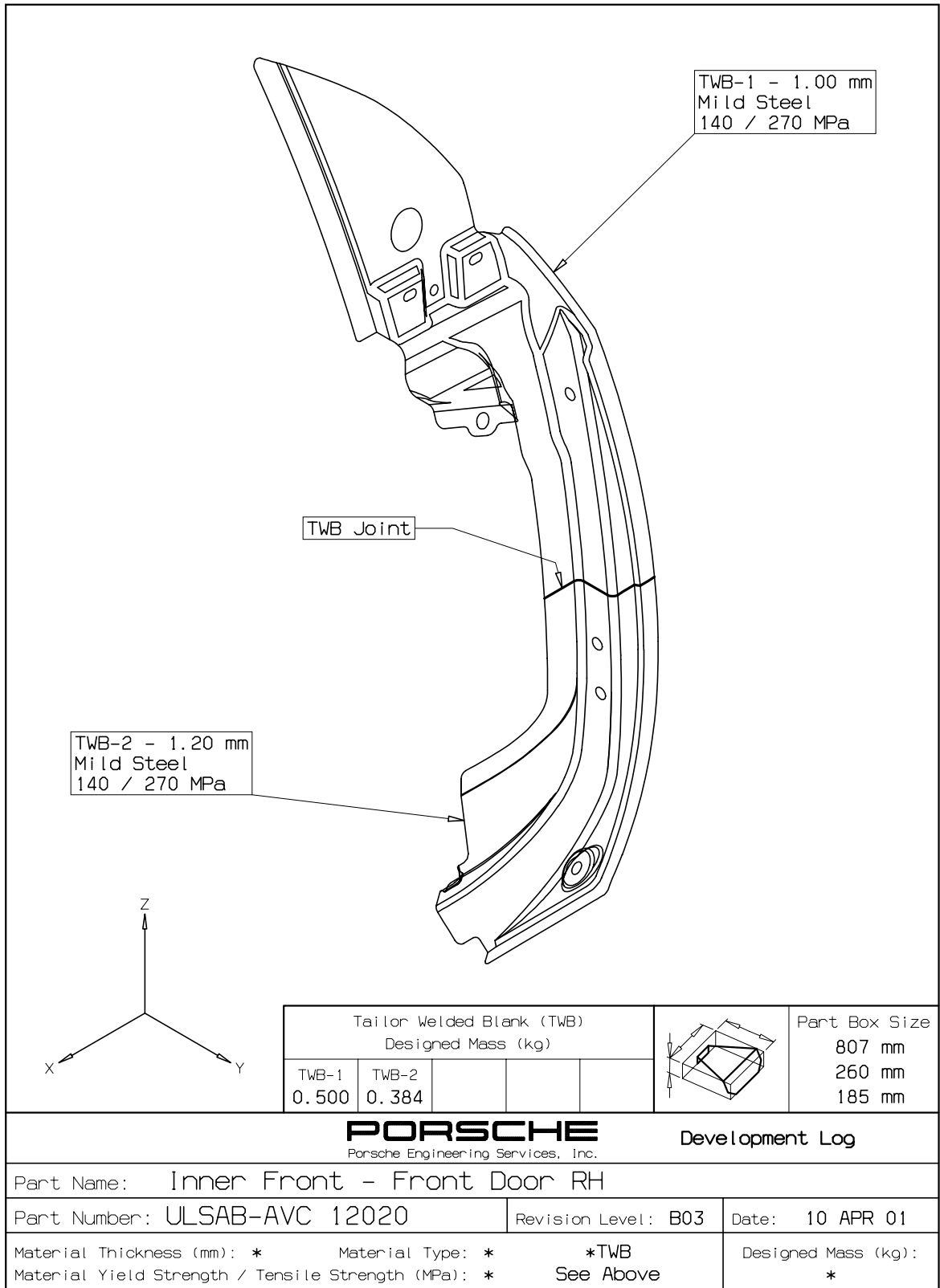
2.2.3.1 Parts Book Index - Front Doors Structure - C-Class/PNGV-Class

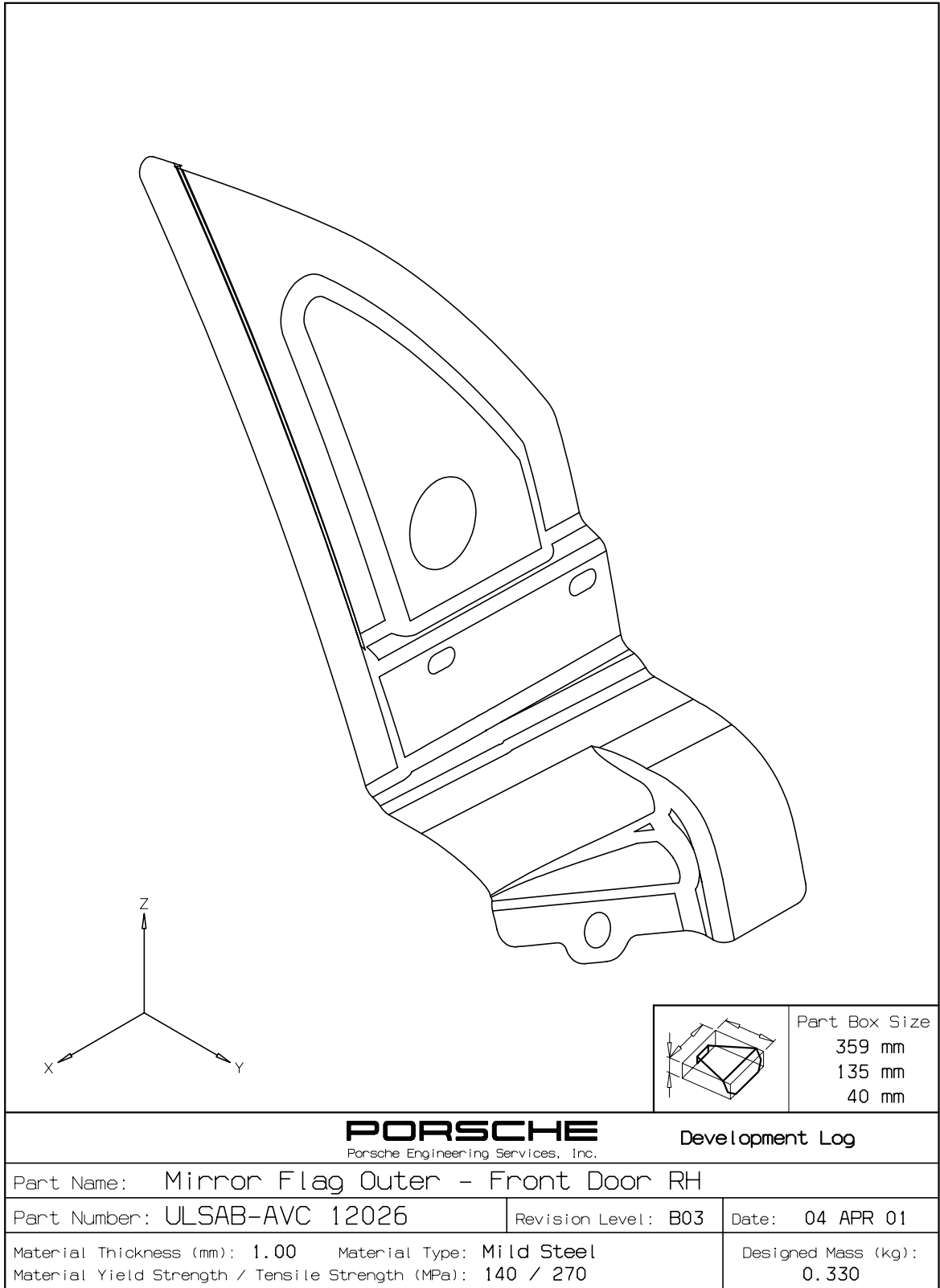
Part Number	Part Name	Re vision	Date
AVC 1 2004	Hinge Tube - Front Door RH	C02	09-Apr-01
AVC 1 2020	Inner Front - Front Door RH	B03	10-Apr-01
AVC 1 2026	Mirror Flag Outer - Front Door RH	B03	04-Apr-01
AVC 1 2045	Assy W-Reg Attach Upper - Front Dr (x2 / door)	A00	09-May-01
AVC 1 2047	Hinge Bushing - Front Door (x3 / door)	A00	09-May-01
AVC 1 2056	Latch Bushing - Front Door (x3 / door)	A00	09-May-01
AVC 1 2057	U-Clip M6 x 1.00 - Front Door (x2 / door)	A00	09-May-01
AVC 1 2058	Hex Flange Head M6 x 15 - Front Dr (x2 / door)	A00	09-May-01
AVC 2 2000	Outer - Front Door RH	C04	08-Apr-01
AVC 2 2006	Latch Tube - Front Door RH	C02	09-Apr-01
AVC 2 2008	Lower Tube - Front Door (x2)	D00	04-Apr-01
AVC 2 2010	Outer Belt Reinforcement - Front Door (x2)	D00	05-Apr-01
AVC 2 2022	Inner Rear - Front Door RH	B02	11-Apr-01
AVC 2 2050	Reinforcement Latch - Front Door RH	A00	02-Apr-01
AVC 3 2006	Latch Tube - Front Door RH	C02	10-Apr-01
AVC 3 2008	Lower Tube - Front Door (x2)	D00	04-Apr-01
AVC 3 2010	Outer Belt Reinforcement - Front Door (x2)	D00	05-Apr-01
AVC 3 2028	Outer - Front Door RH	B05	08-Apr-01
AVC 3 2030	Inner Rear - Front Door RH	B02	10-Apr-01
AVC 3 2052	Reinforcement Latch - Front Door RH	A00	02-Apr-01

2.2.3.2 Parts Book Sheets

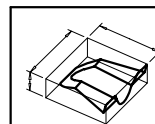
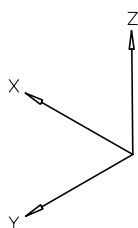
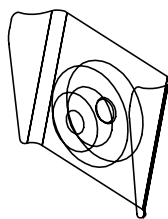


2.2.3.2 Parts Book Sheets - Front Doors Structure - C-Class/PNGV-Class





2.2.3.2 Parts Book Sheets - Front Doors Structure - C-Class/PNGV-Class



Box Dimensions
28 mm
27 mm
12 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Assy W-Regulator Attach Upper - Front/Rear Door

Part Number: ULSAB-AVC 12045

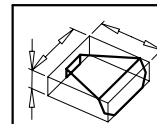
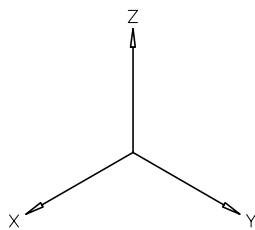
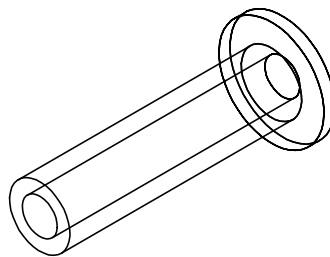
Revision Level: A00

Date: 09 MAY 01

Material Thickness (mm): - Material Type: -

Material Yield Strength / Tensile Strength (MPa): -

Designed Mass (kg):
0.007



Part Box Size
 \varnothing 13.8 mm
 56 mm
 - mm

PORSCHE
 Porsche Engineering Services, Inc.

Development Log

Part Name: Hinge Bushing - Front / Rear Door

Part Number: ULSAB-AVC 12047

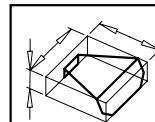
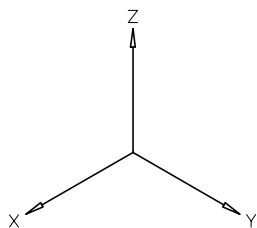
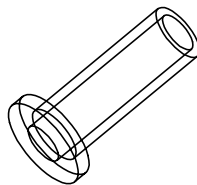
Revision Level: A00

Date: 09 MAY 01

Material Thickness (mm): - Material Type: -

Material Yield Strength / Tensile Strength (MPa): -

Designed Mass (kg):
 0.041



Part Box Size
 \varnothing 10 mm
 31 mm
 - mm

PORSCHE
 Porsche Engineering Services, Inc.

Development Log

Part Name: Latch Bushing - Front / Rear Door

Part Number: ULSAB-AVC 12056

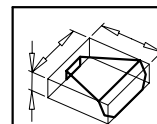
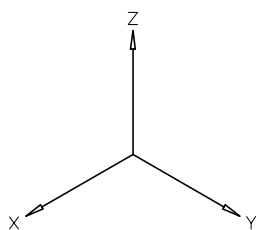
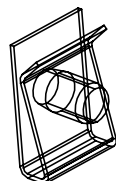
Revision Level: A00

Date: 09 MAY 01

Material Thickness (mm): - Material Type: -

Material Yield Strength / Tensile Strength (MPa): -

Designed Mass (kg):
 0.014



Part Box Size

- mm
- mm
- mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: U-Clip M6 x 1.00 - Front Door

Part Number: ULSAB-AVC 12057

Revision Level: A00

Date: 09 MAY 01

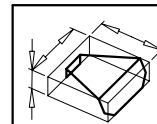
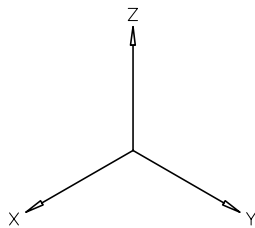
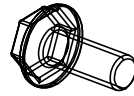
Material Thickness (mm): - Material Type: -

Material Yield Strength / Tensile Strength (MPa): -

Designed Mass (kg):

0.011

2.2.3.2 Parts Book Sheets - Front Doors Structure - C-Class/PNGV-Class



Part Box Size

- mm
- mm
- mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Hexagonal Flanged Head M6 x 15 - Front Door

Part Number: ULSAB-AVC 12058

Revision Level: A00

Date: 09 MAY 01

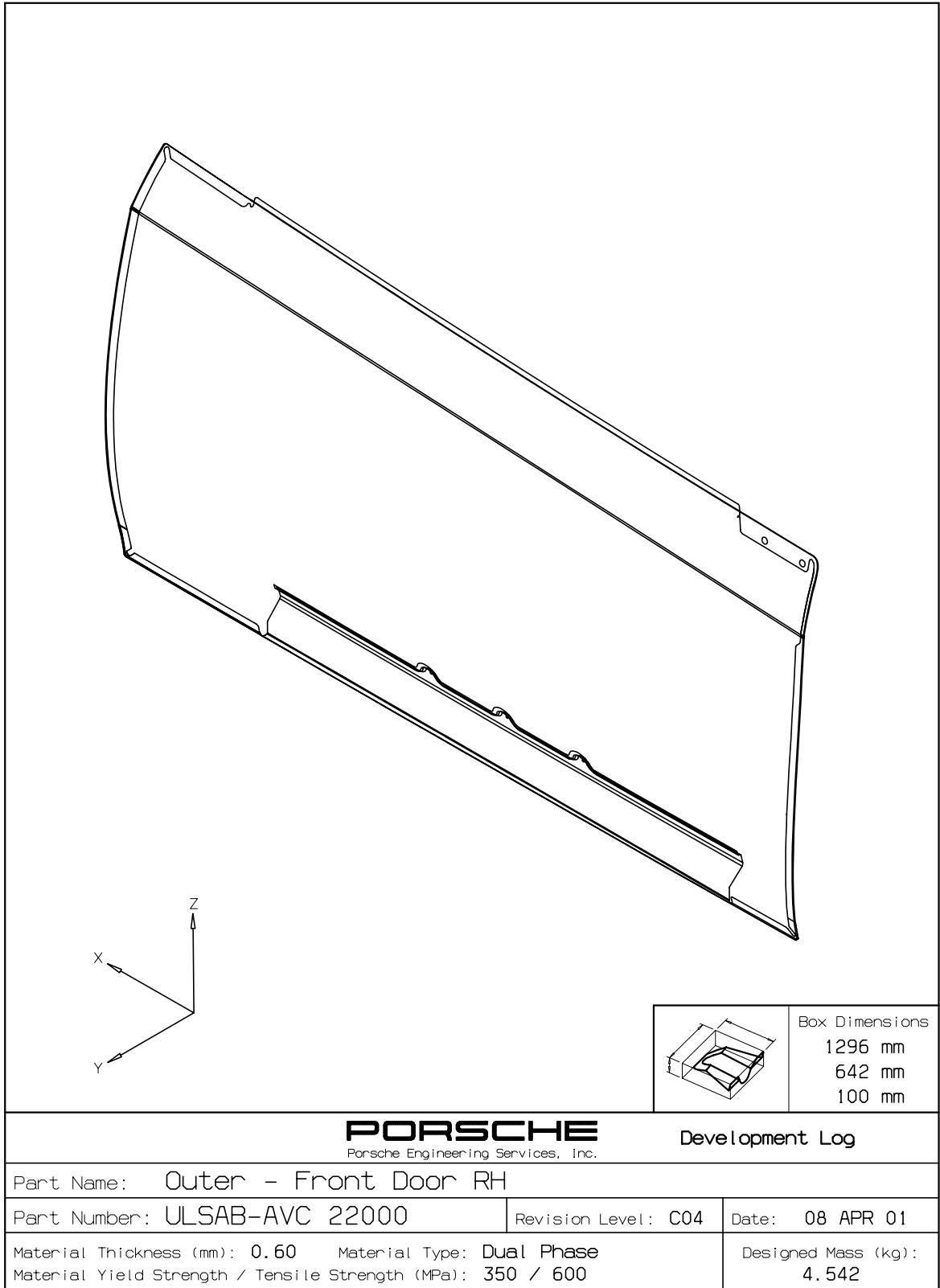
Material Thickness (mm): - Material Type: -

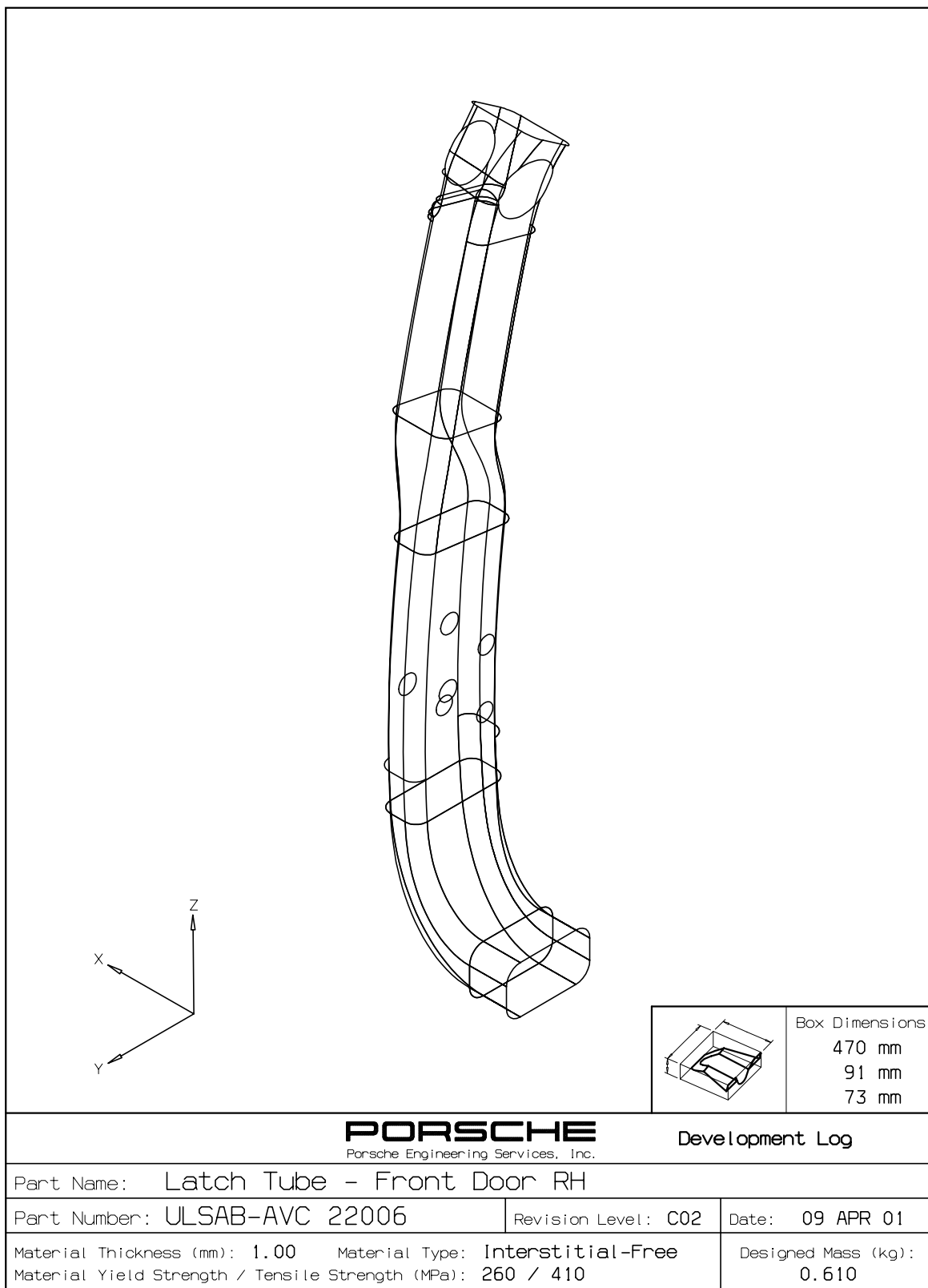
Material Yield Strength / Tensile Strength (MPa): -

Designed Mass (kg):

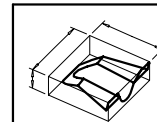
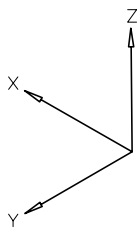
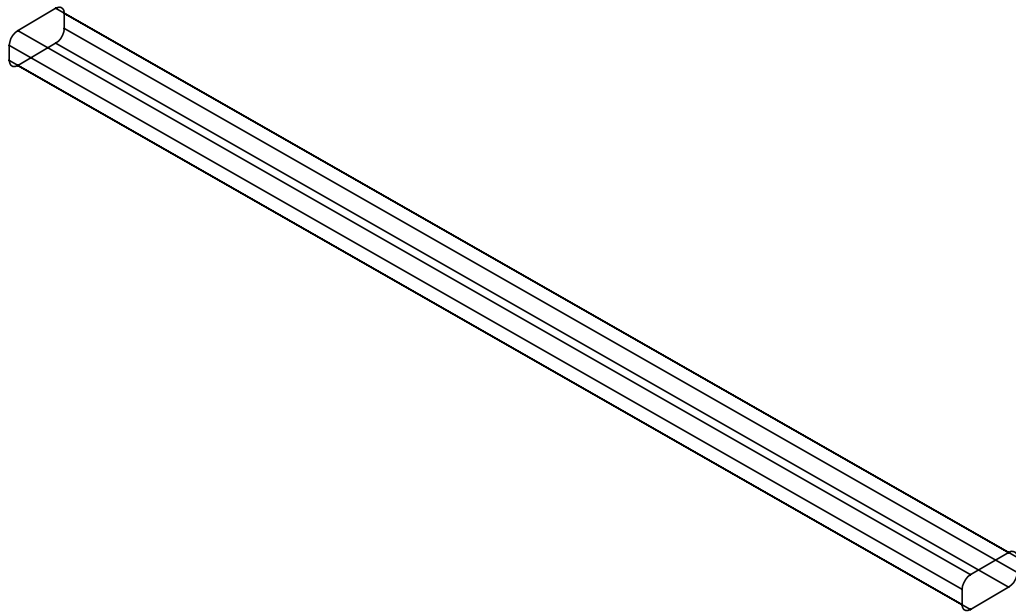
0.040

2.2.3.2 Parts Book Sheets - Front Doors Structure - C-Class/PNGV-Class





2.2.3.2 Parts Book Sheets - Front Doors Structure - C-Class/PNGV-Class



Box Dimensions
943 mm
55 mm
30 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Lower Tube - Front Door

Part Number: ULSAB-AVC 22008

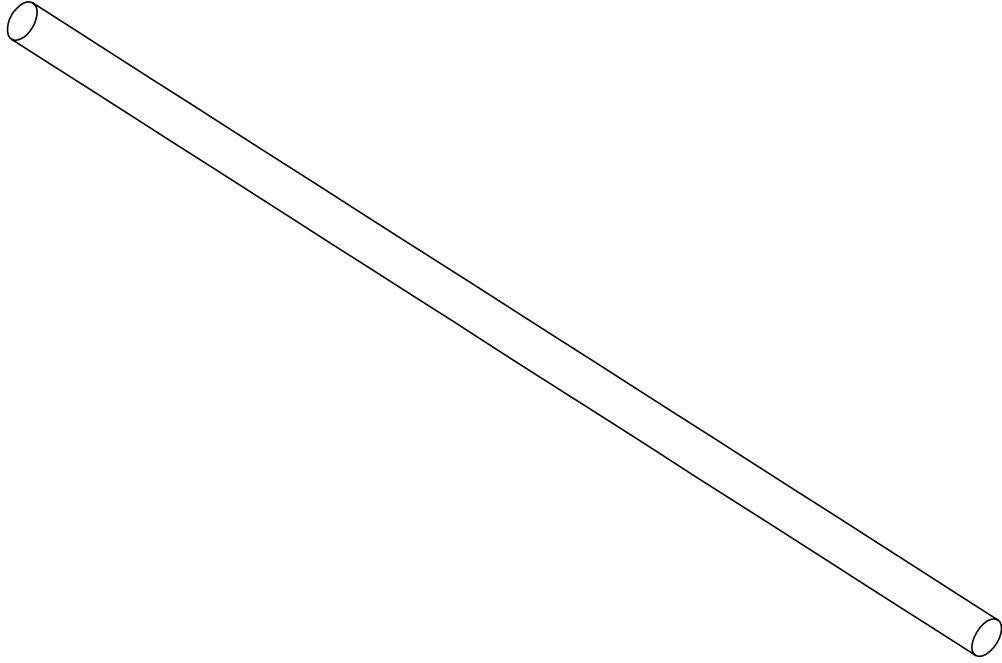
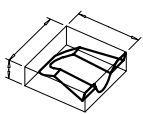
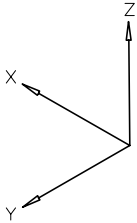
Revision Level: D00

Date: 04 APR 01

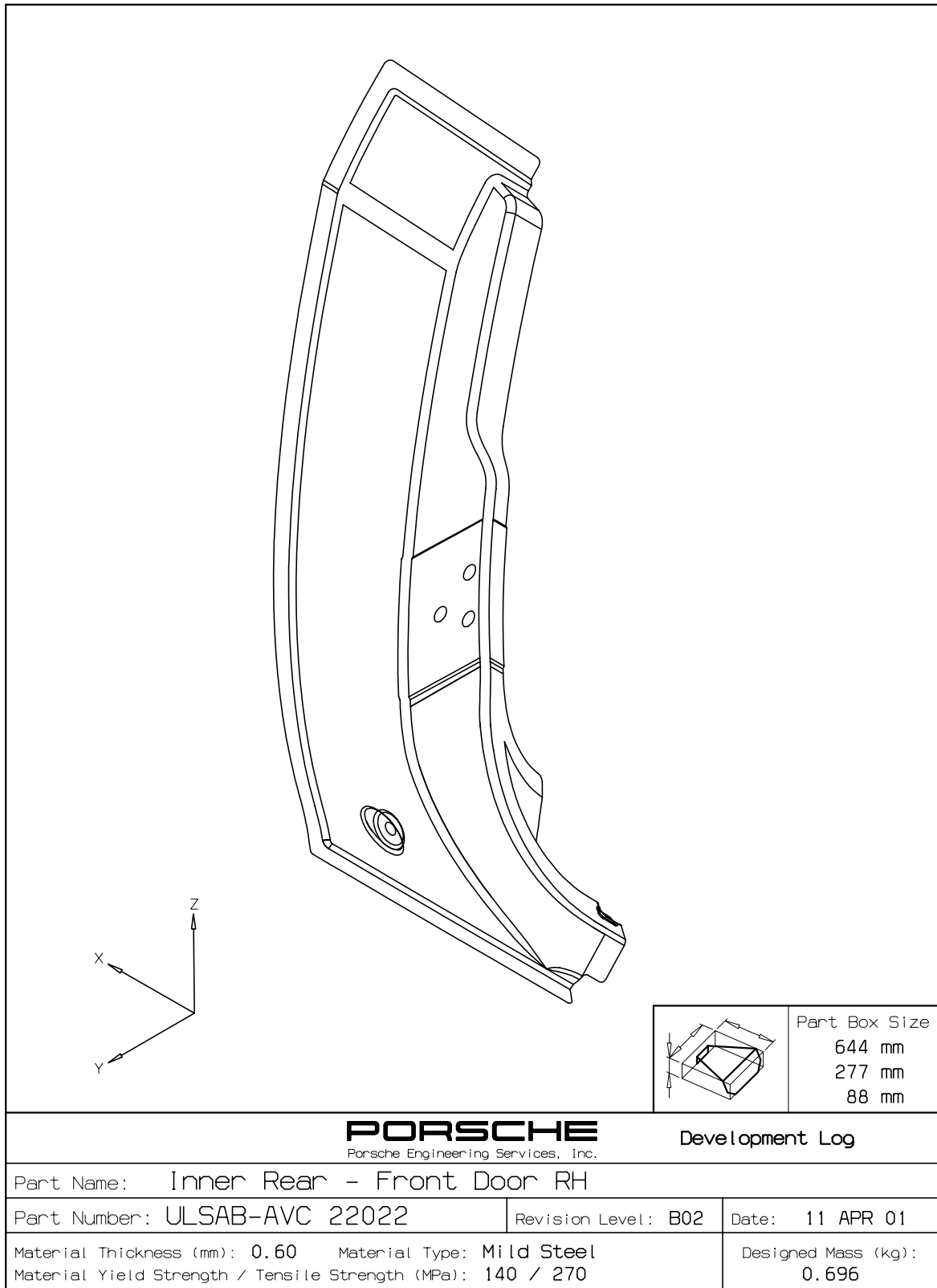
Material Thickness (mm): 1.50 Material Type: Dual Phase Tube
Material Yield Strength / Tensile Strength (MPa): 500 / 800

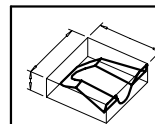
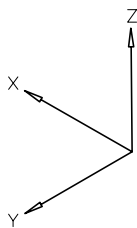
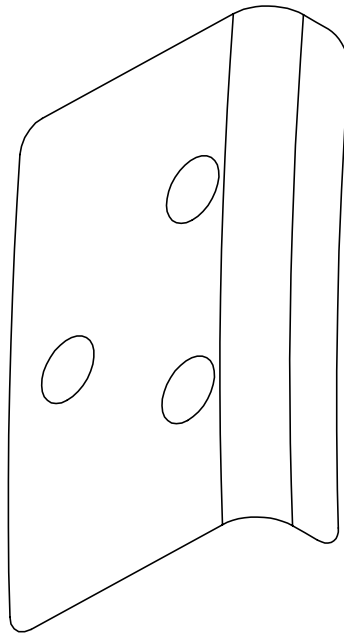
Designed Mass (kg):
1.725

2.2.3.2 Parts Book Sheets - Front Doors Structure - C-Class/PNGV-Class

		
		
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: right;"> <p>Box Dimensions</p> <p>1105 mm</p> <p>Ø 34 mm</p> <p>- mm</p> </div> </div>		
PORSCHE Porsche Engineering Services, Inc.		
Development Log		
Part Name: Outer Belt Reinforcement - Front Door		
Part Number: ULSAB-AVC 22010	Revision Level: D00	Date: 05 APR 01
Material Thickness (mm): 1.00 Material Type: Dual Phase Material Yield Strength / Tensile Strength (MPa): 500 / 800		Designed Mass (kg): 0.930

2.2.3.2 Parts Book Sheets - Front Doors Structure - C-Class/PNGV-Class





Box Dimensions	
	100 mm
	57 mm
	19 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Reinforcement Latch - Front Door RH

Part Number: ULSAB-AVC 22050

Revision Level: A00

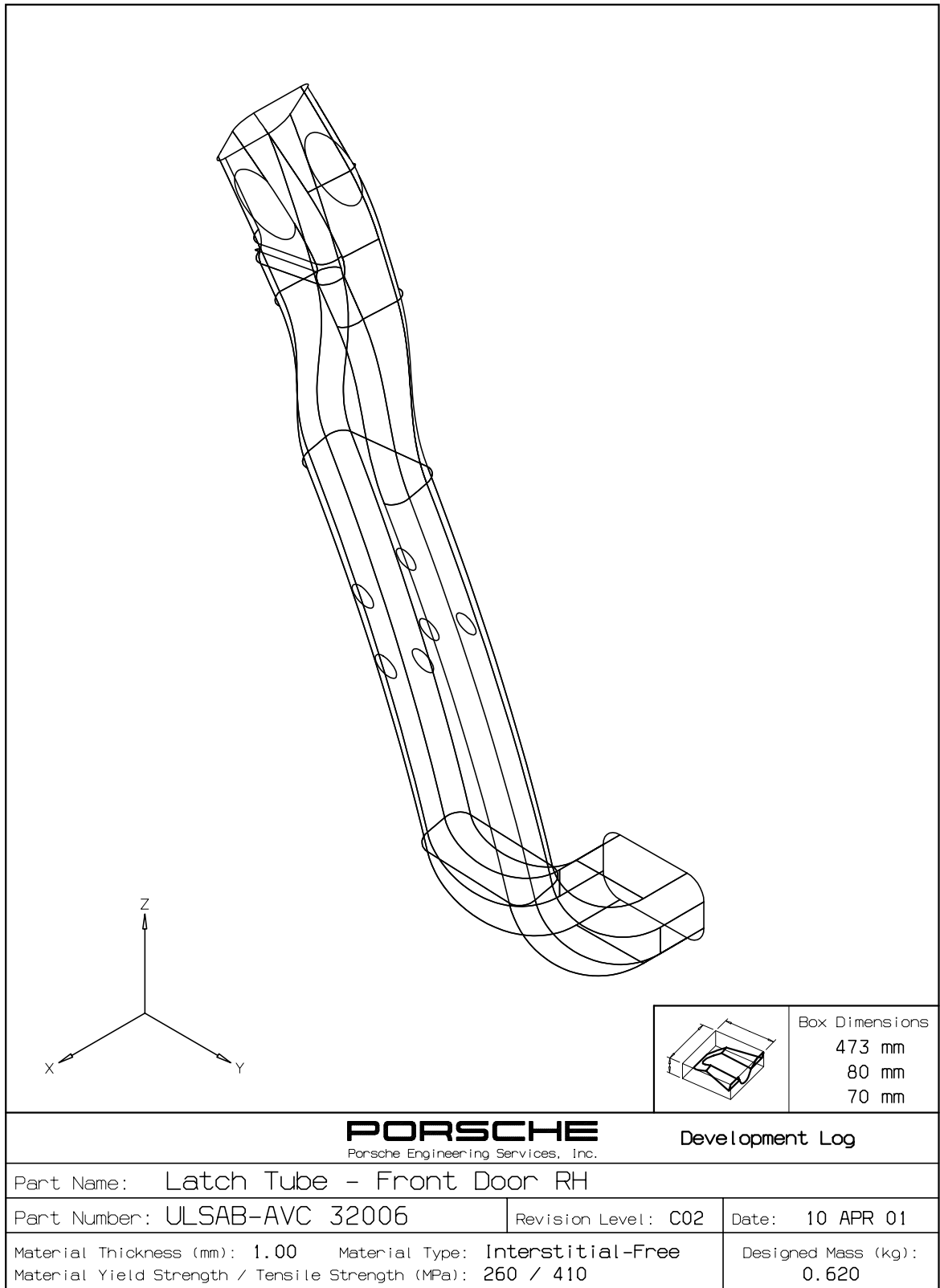
Date: 02 APR 01

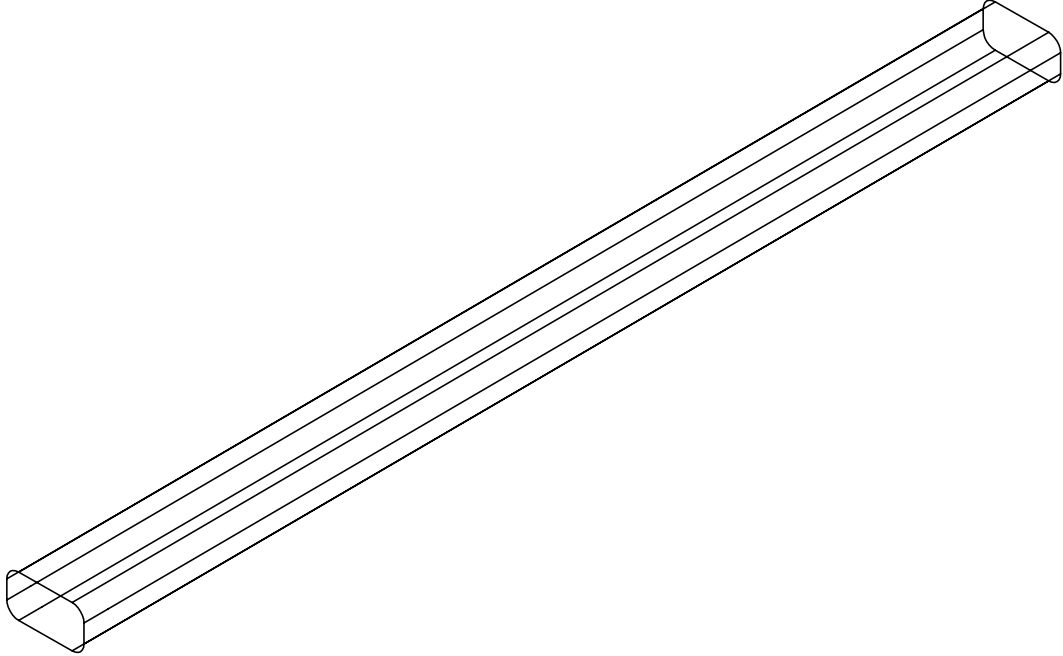
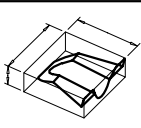
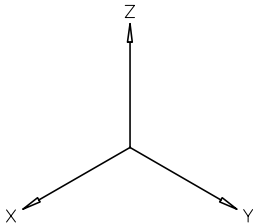
Material Thickness (mm): 1.20 Material Type: Mild Steel

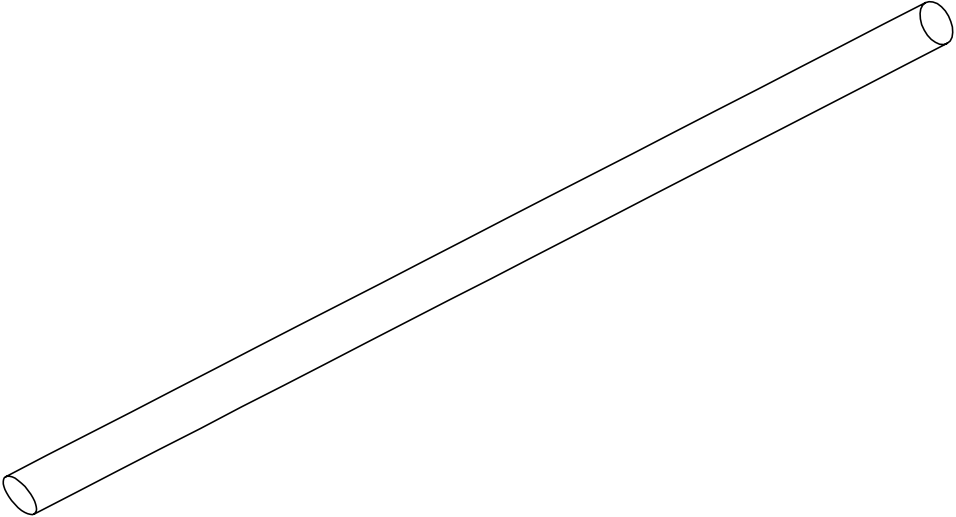
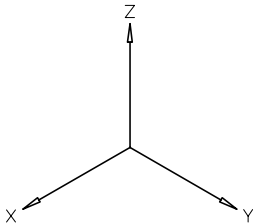
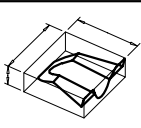
Material Yield Strength / Tensile Strength (MPa): 140 / 270

Designed Mass (kg):

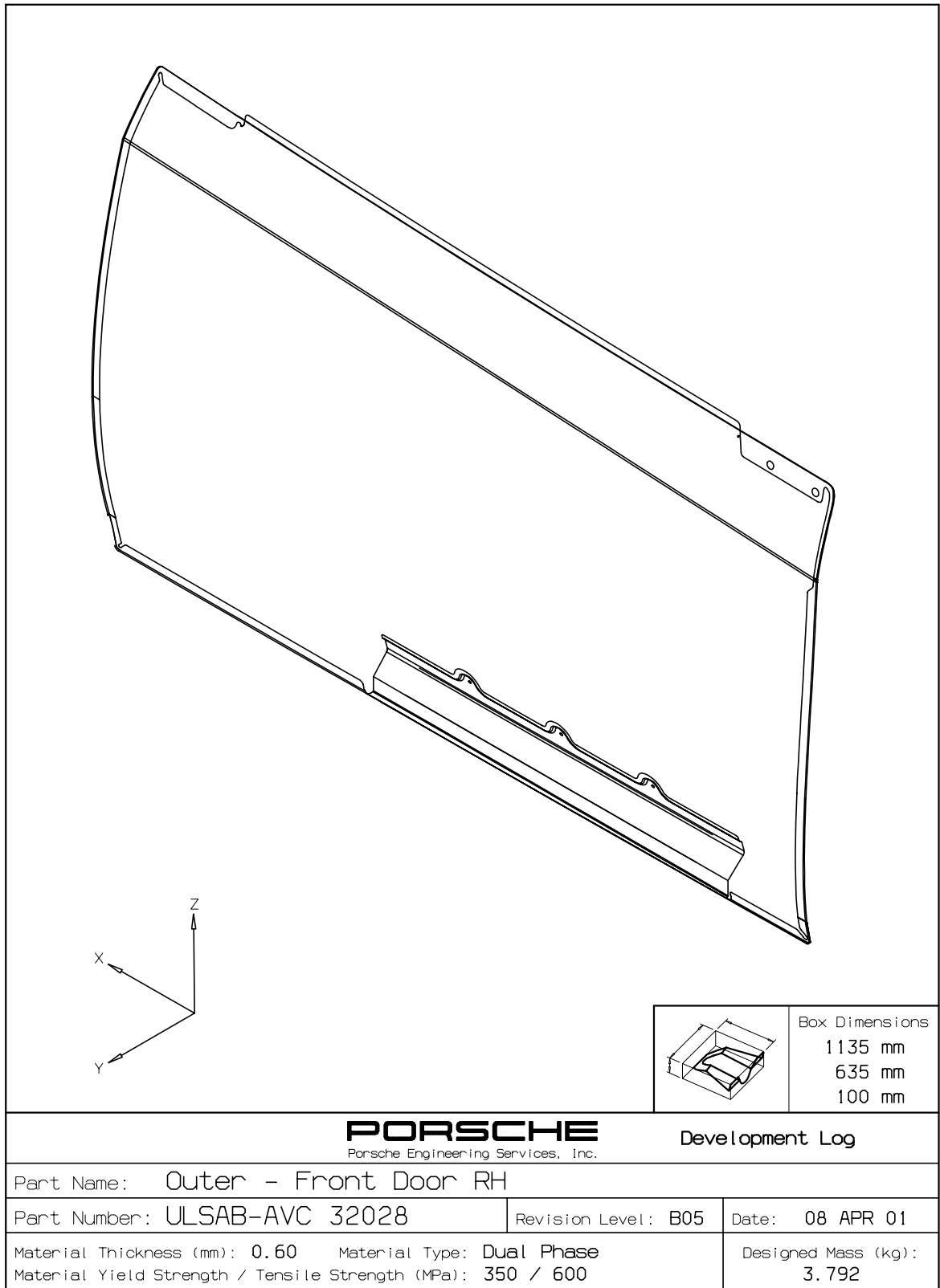
0.060



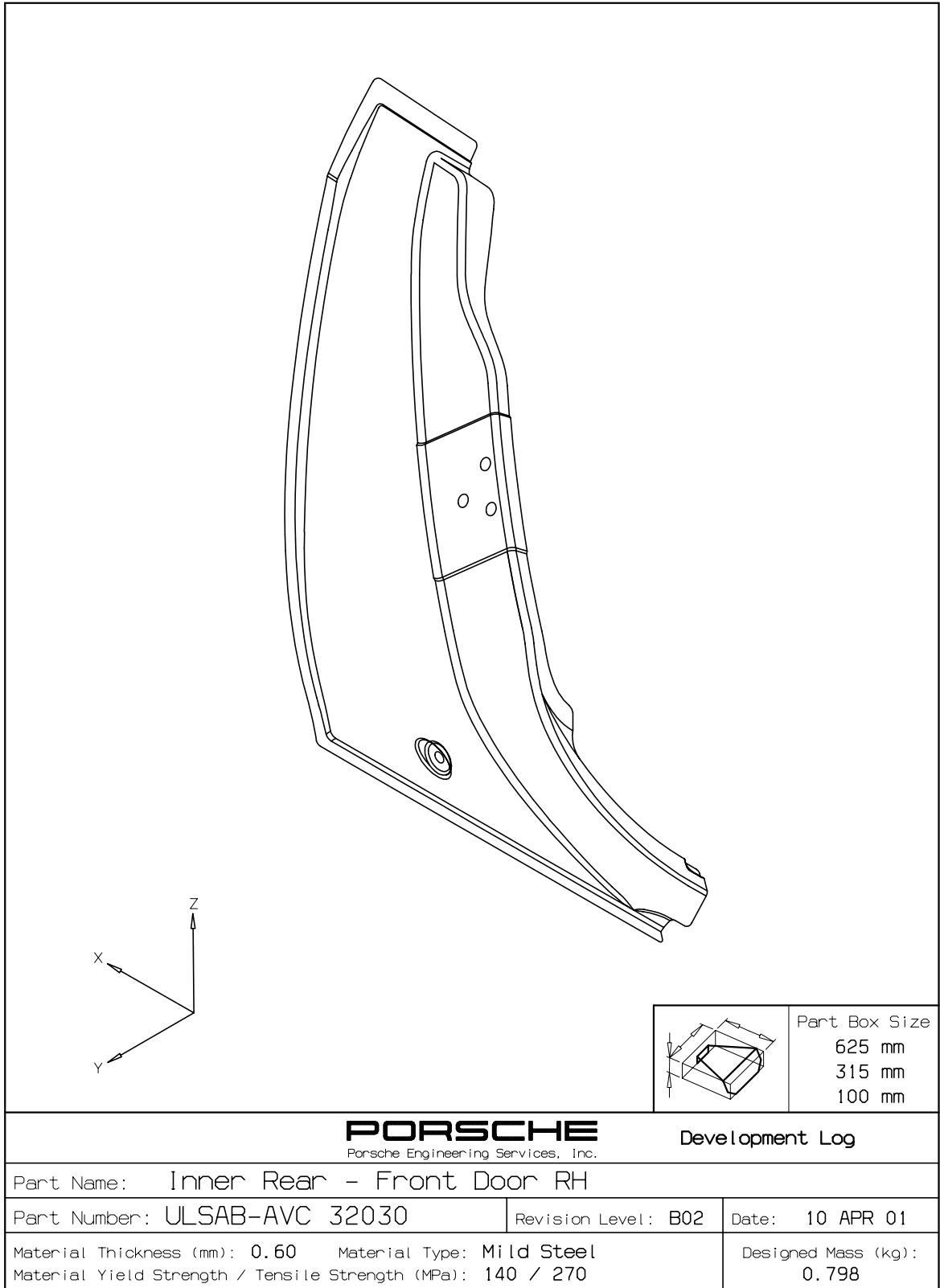
		
		
<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;">  </div> <div> <p>Box Dimensions</p> <p>686 mm</p> <p>55 mm</p> <p>30 mm</p> </div> </div>		
PORSCHE Porsche Engineering Services, Inc.		
Development Log		
Part Name: Lower Tube - Front Door		
Part Number: ULSAB-AVC 32008	Revision Level: D00	Date: 04 APR 01
Material Thickness (mm): 1.50 Material Type: Dual Phase Material Yield Strength / Tensile Strength (MPa): 500 / 800		Designed Mass (kg): 1.290

		
		Box Dimensions 960 mm Ø 34 mm - mm
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> PORSCHE <small>Porsche Engineering Services, Inc.</small> </div> <div>Development Log</div> </div>		
Part Name: Outer Belt Reinforcement - Front Door		
Part Number: ULSAB-AVC 32010	Revision Level: D00	Date: 05 APR 01
Material Thickness (mm): 1.00 Material Type: Dual Phase Material Yield Strength / Tensile Strength (MPa): 500 / 800		Designed Mass (kg): 0.800

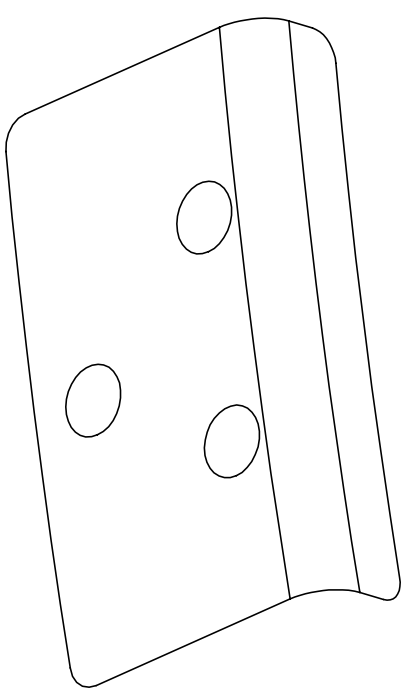
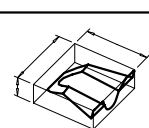
2.2.3.2 Parts Book Sheets - Front Doors Structure - C-Class/PNGV-Class



2.2.3.2 Parts Book Sheets - Front Doors Structure - C-Class/PNGV-Class



2.2.3.2 Parts Book Sheets - Front Doors Structure - C-Class/PNGV-Class

					Box Dimensions 100 mm 57 mm 19 mm
			<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> PORSCHE <small>Porsche Engineering Services, Inc.</small> </div> <div>Development Log</div> </div>		
Part Name: Reinforcement Latch - Front Door RH					
Part Number: ULSAB-AVC 32052			Revision Level: A00		Date: 02 APR 01
Material Thickness (mm): 1.20 Material Type: Mild Steel Material Yield Strength / Tensile Strength (MPa): 140 / 270					Designed Mass (kg): 0.060

2.2.4 Rear Door - PNGV-Class

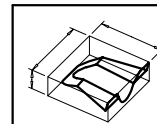
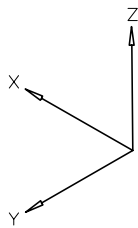
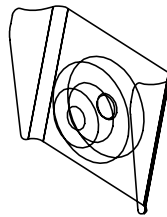
2.2.4.1 Parts Book Index

2.2.4.1 Parts Book Index - Rear Door Structure - PNGV-Class

Part Number	Part Name	Re vision	Date
AVC 1 2045	Assy W-Reg Attach Upper - Rear Dr (x2 / door)	A00	09-May-01
AVC 1 2047	Hinge Bushing - Rear Door (x3 / door)	A00	09-May-01
AVC 1 2056	Latch Bushing - Rear Door (x3 / door)	A00	09-May-01
AVC 3 2032	Outer - Rear Door RH	B02	05-Apr-01
AVC 3 2034	Inner Front - Rear Door RH	B02	12-Apr-01
AVC 3 2038	Inner Rear - Rear Door RH	B02	12-Apr-01
AVC 3 2040	Hinge Tube - Rear Door RH	B02	12-Apr-01
AVC 3 2042	Latch Tube - Rear Door RH	B02	12-Apr-01
AVC 3 2044	Lower Tube - Rear Door (x2)	C00	04-Apr-01
AVC 3 2046	Outer Belt Reinforcement - Rear Door (x2)	C00	05-Apr-01
AVC 3 2048	Reinf Belt Hinge Tube - Rear Door RH	B02	12-Apr-01
AVC 3 2054	Reinforcement Latch - Rear Door RH	A00	02-Apr-01

2.2.4.2 Parts Book Sheets

2.2.4.2 Parts Book Sheets - Rear Door Structure - PNGV-Class



Box Dimensions
28 mm
27 mm
12 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Assy W-Regulator Attach Upper - Front/Rear Door

Part Number: ULSAB-AVC 12045

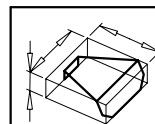
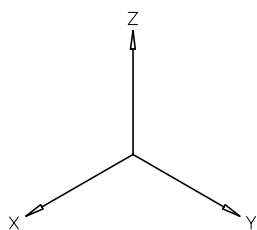
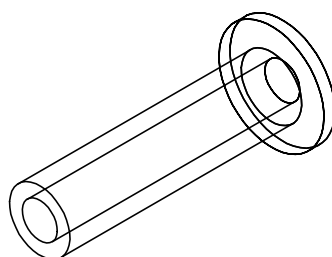
Revision Level: A00

Date: 09 MAY 01

Material Thickness (mm): - Material Type: -

Material Yield Strength / Tensile Strength (MPa): -

Designed Mass (kg):
0.007



Part Box Size
 \varnothing 13.8 mm
 56 mm
 - mm

PORSCHE
 Porsche Engineering Services, Inc.

Development Log

Part Name: Hinge Bushing - Front / Rear Door

Part Number: ULSAB-AVC 12047

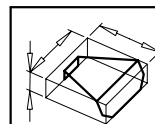
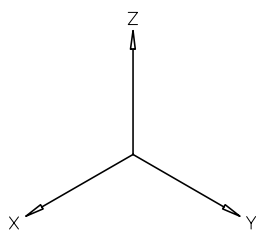
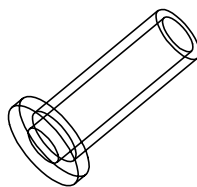
Revision Level: A00

Date: 09 MAY 01

Material Thickness (mm): - Material Type: -

Material Yield Strength / Tensile Strength (MPa): -

Designed Mass (kg):
 0.041



Part Box Size
 \varnothing 10 mm
 31 mm
 - mm

PORSCHE
 Porsche Engineering Services, Inc.

Development Log

Part Name: Latch Bushing - Front / Rear Door

Part Number: ULSAB-AVC 12056

Revision Level: A00

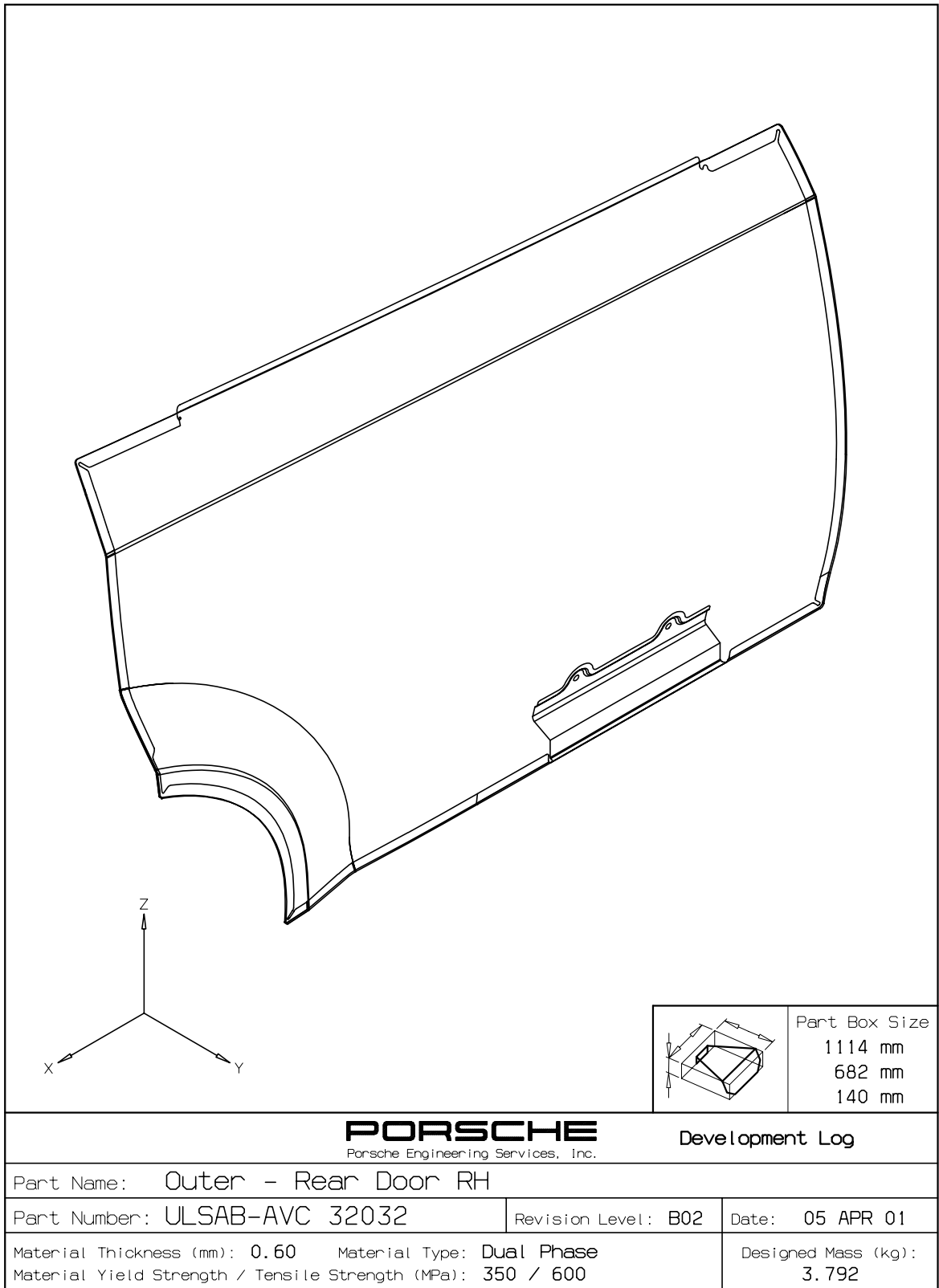
Date: 09 MAY 01

Material Thickness (mm): - Material Type: -

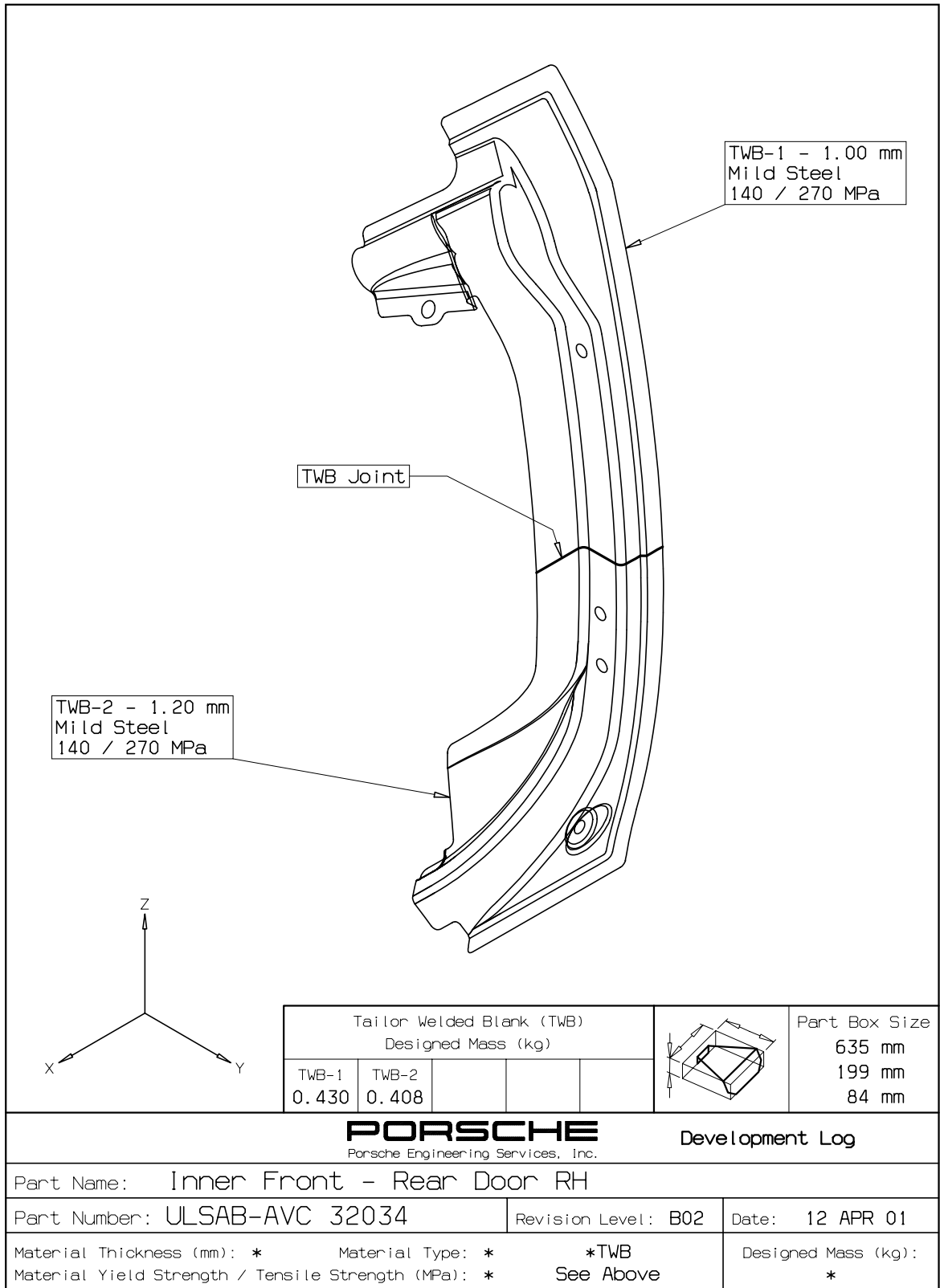
Material Yield Strength / Tensile Strength (MPa): -

Designed Mass (kg):
 0.014

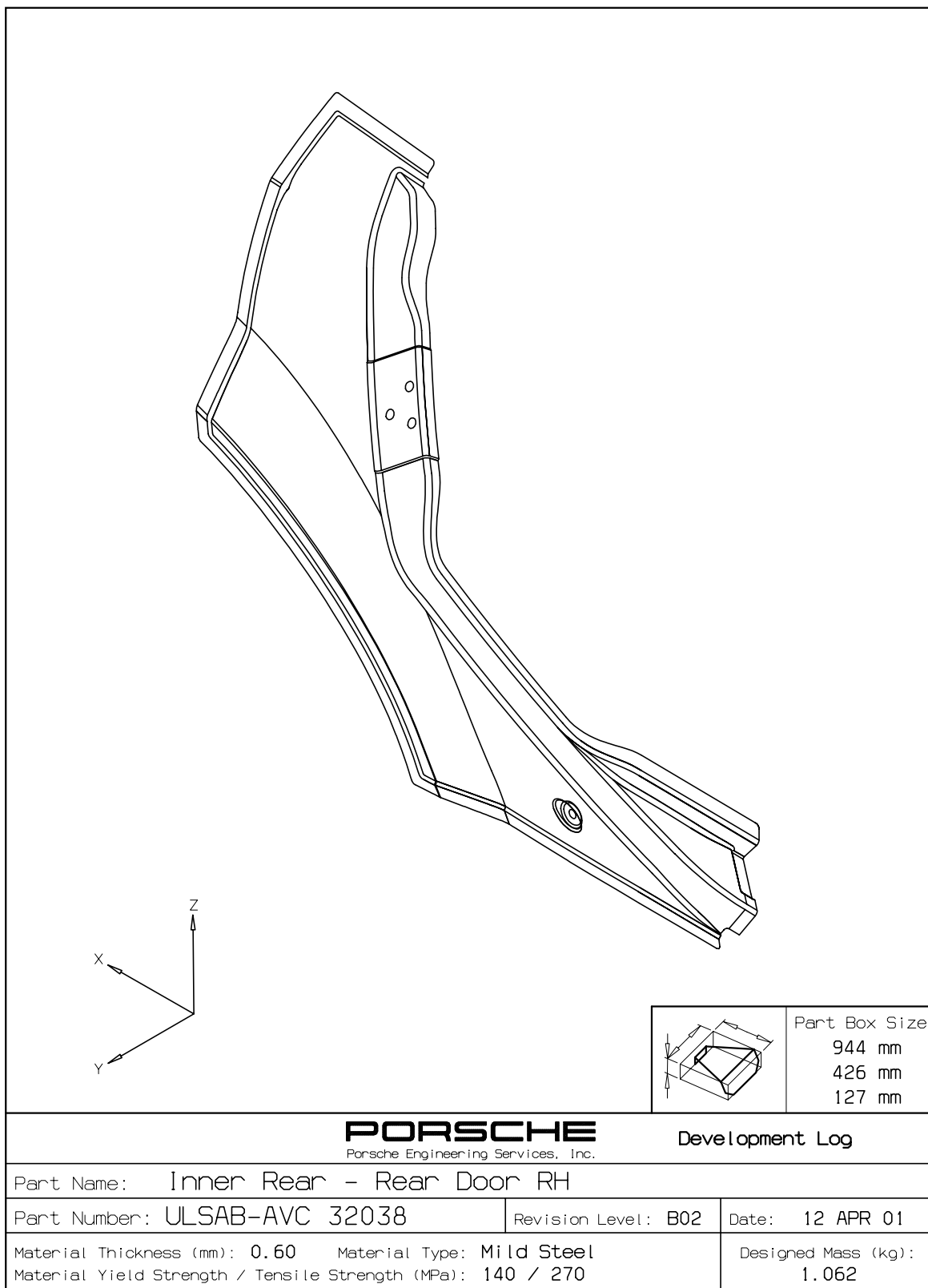
2.2.4.2 Parts Book Sheets - Rear Door Structure - PNGV-Class



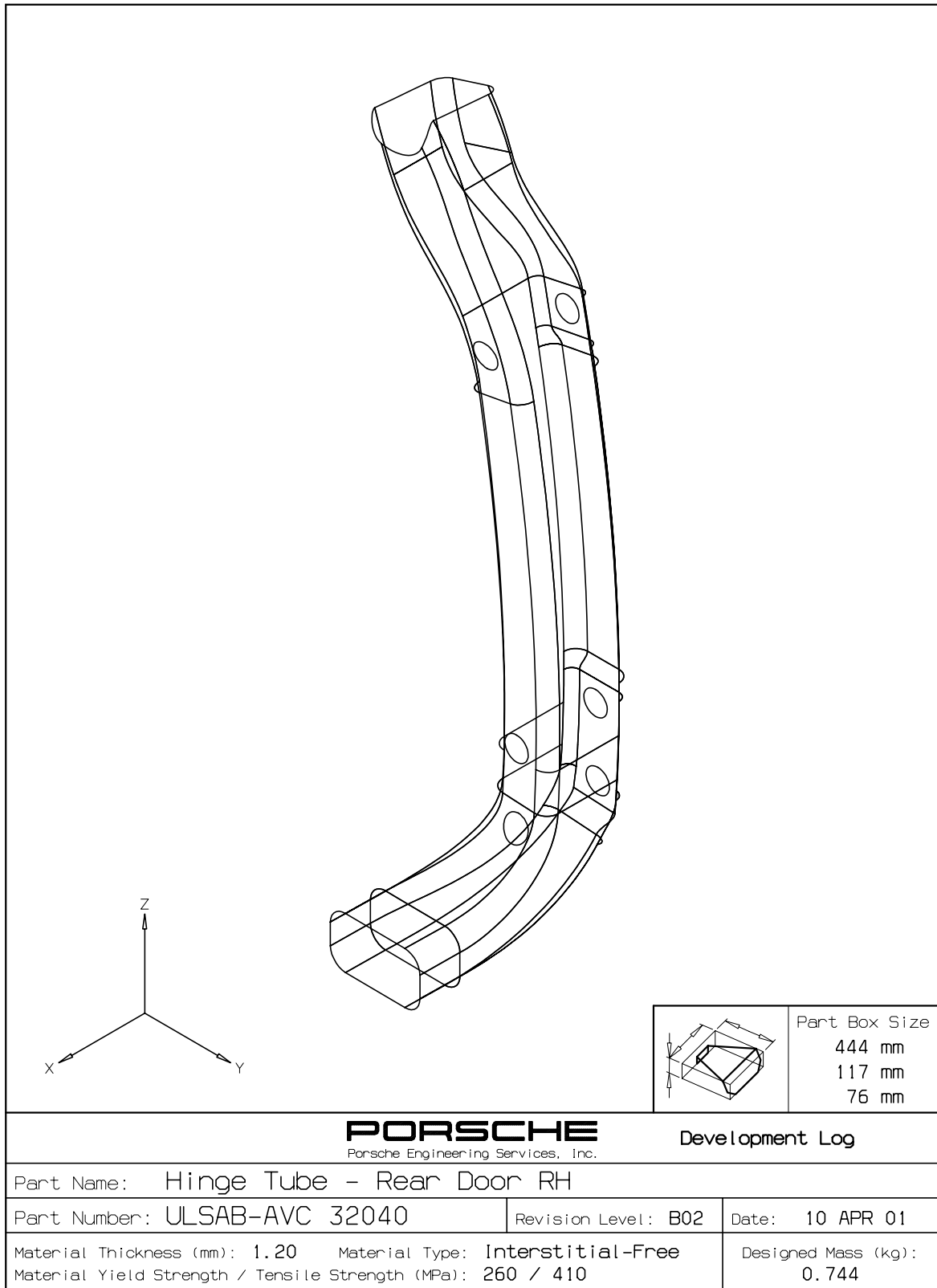
2.2.4.2 Parts Book Sheets - Rear Door Structure - PNGV-Class



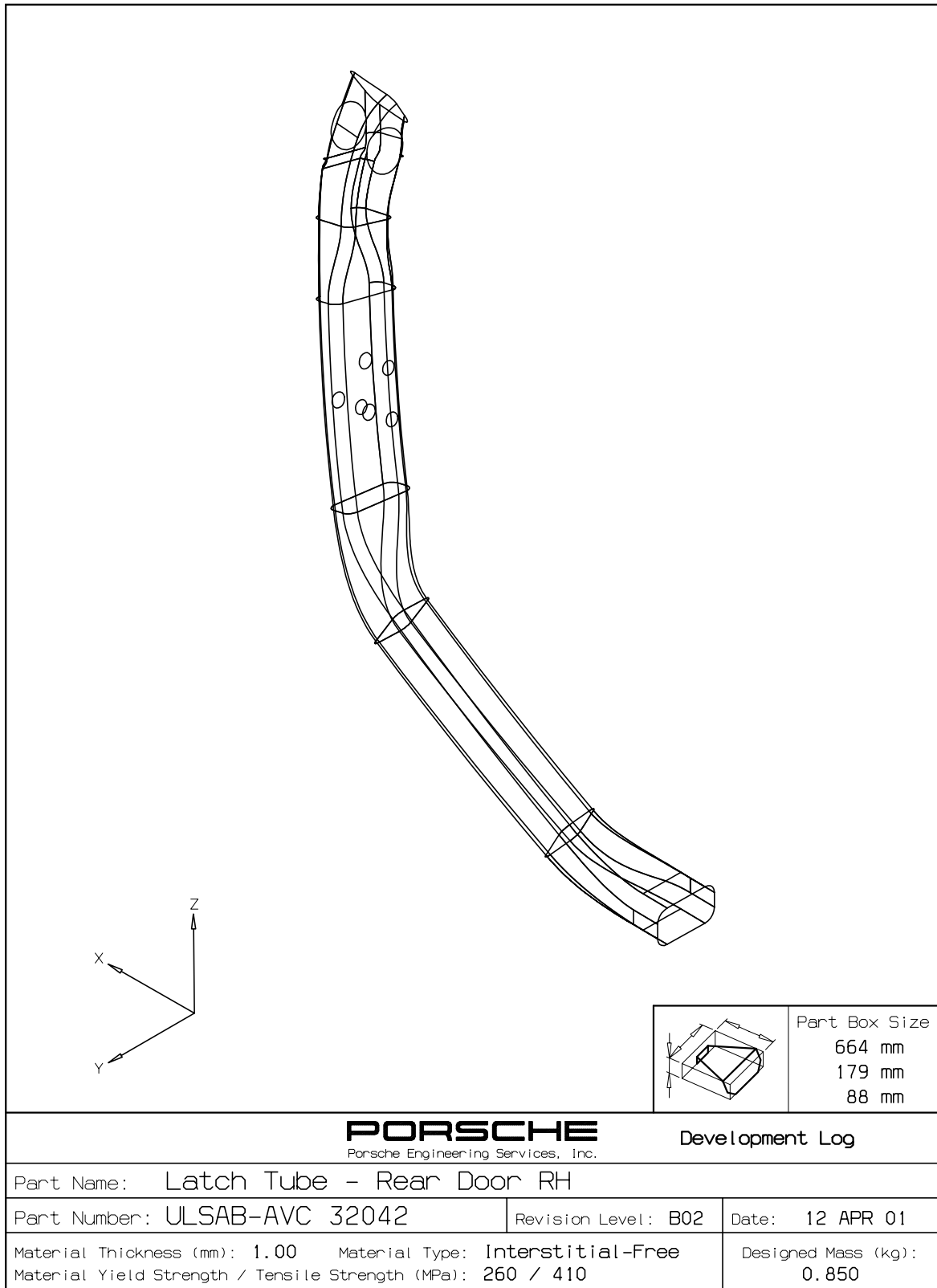
2.2.4.2 Parts Book Sheets - Rear Door Structure - PNGV-Class



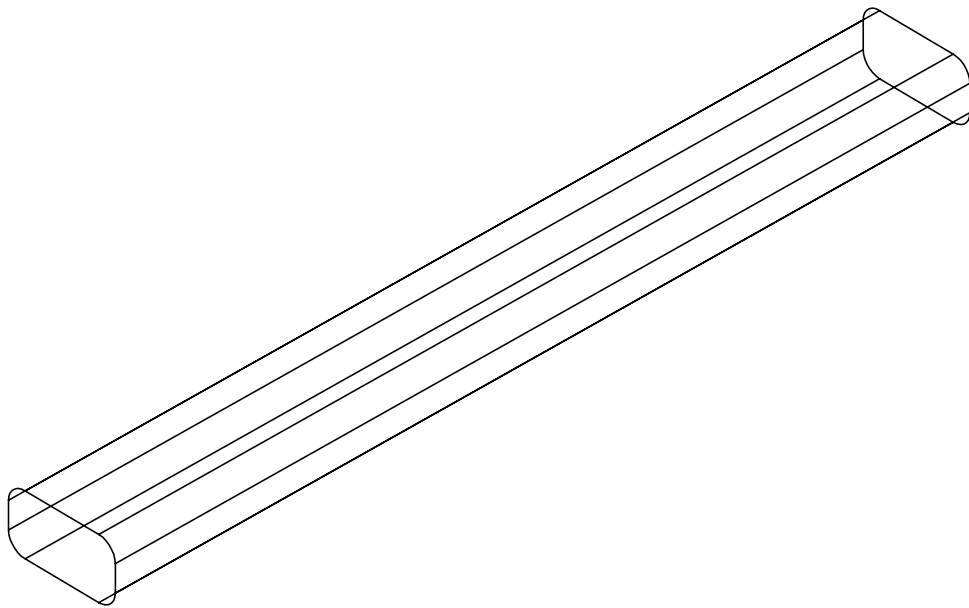
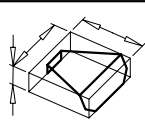
2.2.4.2 Parts Book Sheets - Rear Door Structure - PNGV-Class



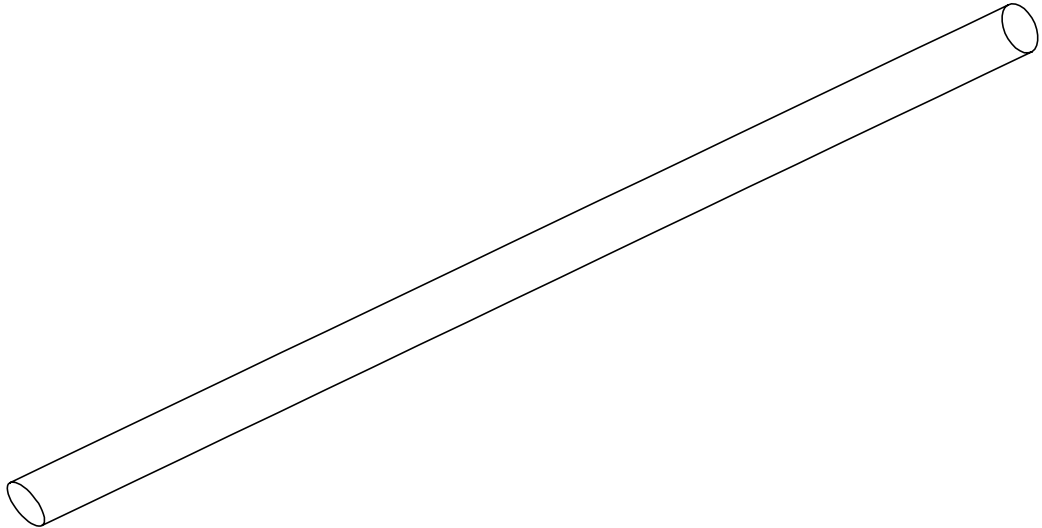
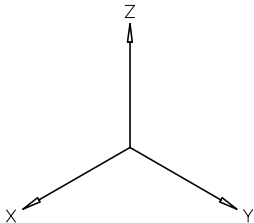
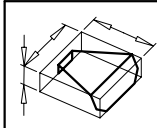
2.2.4.2 Parts Book Sheets - Rear Door Structure - PNGV-Class

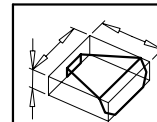
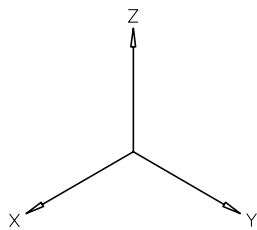
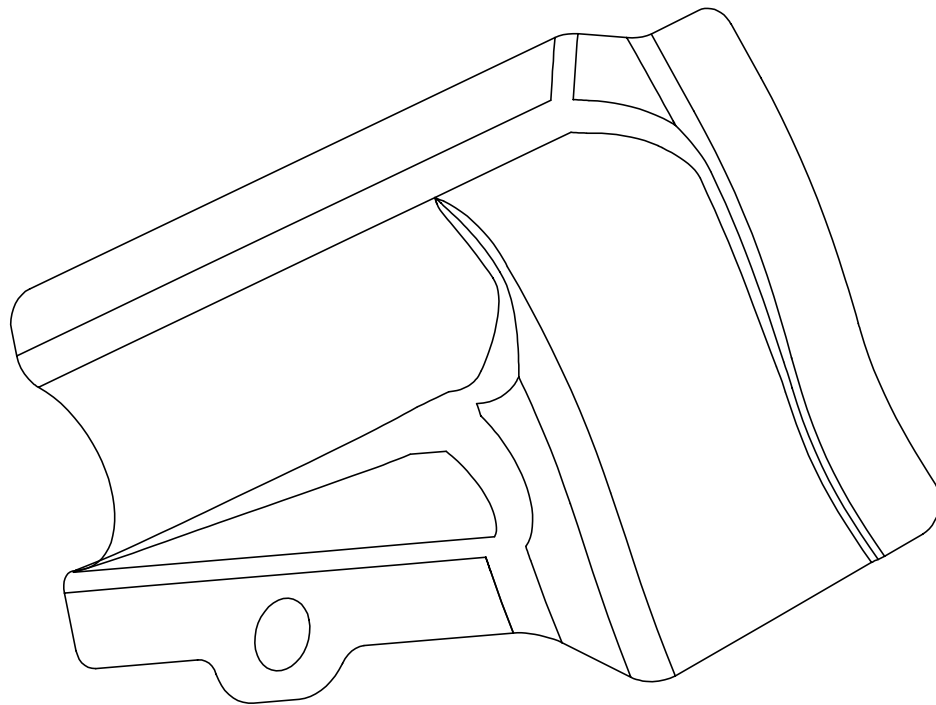


2.2.4.2 Parts Book Sheets - Rear Door Structure - PNGV-Class

				Part Box Size
				429 mm 55 mm 30 mm
<p align="center">PORSCHE Porsche Engineering Services, Inc.</p>			Development Log	
Part Name: Lower Tube - Rear Door				
Part Number: ULSAB-AVC 32044		Revision Level: C00	Date: 04 APR 01	
Material Thickness (mm): 1.50 Material Type: Dual Phase			Designed Mass (kg):	
Material Yield Strength / Tensile Strength (MPa): 500 / 800			0.780	

2.2.4.2 Parts Book Sheets - Rear Door Structure - PNGV-Class

		
		
		Part Box Size 888 mm Ø 34 mm - mm
PORSCHE Porsche Engineering Services, Inc.		
Development Log		
Part Name: Outer Belt Reinforcement - Rear Door		
Part Number: ULSAB-AVC 32046	Revision Level: C00	Date: 05 APR 01
Material Thickness (mm): 1.00 Material Type: Dual Phase Material Yield Strength / Tensile Strength (MPa): 500 / 800		Designed Mass (kg): 0.740



Part Box Size
164 mm
110 mm
25 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Reinforcement Belt Hinge Tube - Rear Door RH

Part Number: ULSAB-AVC 32048

Revision Level: B02

Date: 12 APR 01

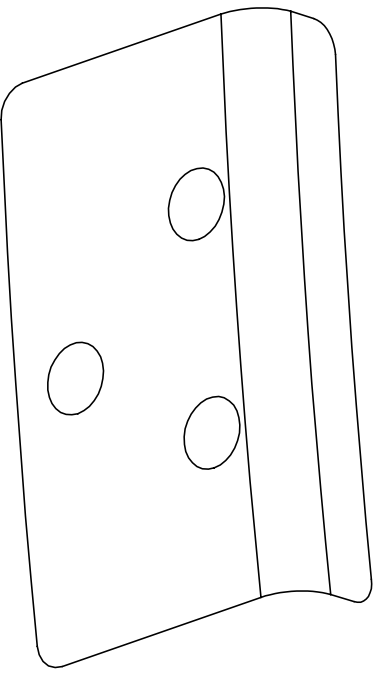
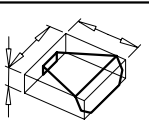
Material Thickness (mm): 1.10 Material Type: Mild Steel

Material Yield Strength / Tensile Strength (MPa): 140 / 270

Designed Mass (kg):

0.143

2.2.4.2 Parts Book Sheets - Rear Door Structure - PNGV-Class

					Part Box Size 100 mm 57 mm 19 mm
			<div style="display: flex; justify-content: space-between;"> <div> PORSCHE <small>Porsche Engineering Services, Inc.</small> </div> <div> Development Log </div> </div>		
Part Name: Reinforcement Latch - Rear Door RH					
Part Number: ULSAB-AVC 32054			Revision Level: A00		Date: 02 APR 01
Material Thickness (mm): 1.20 Material Type: Mild Steel Material Yield Strength / Tensile Strength (MPa): 140 / 270					Designed Mass (kg): 0.060

2.2.5 Hood - C-Class/PNGV-Class

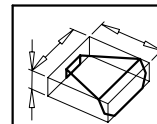
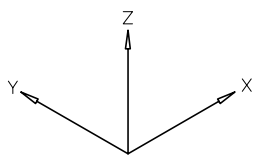
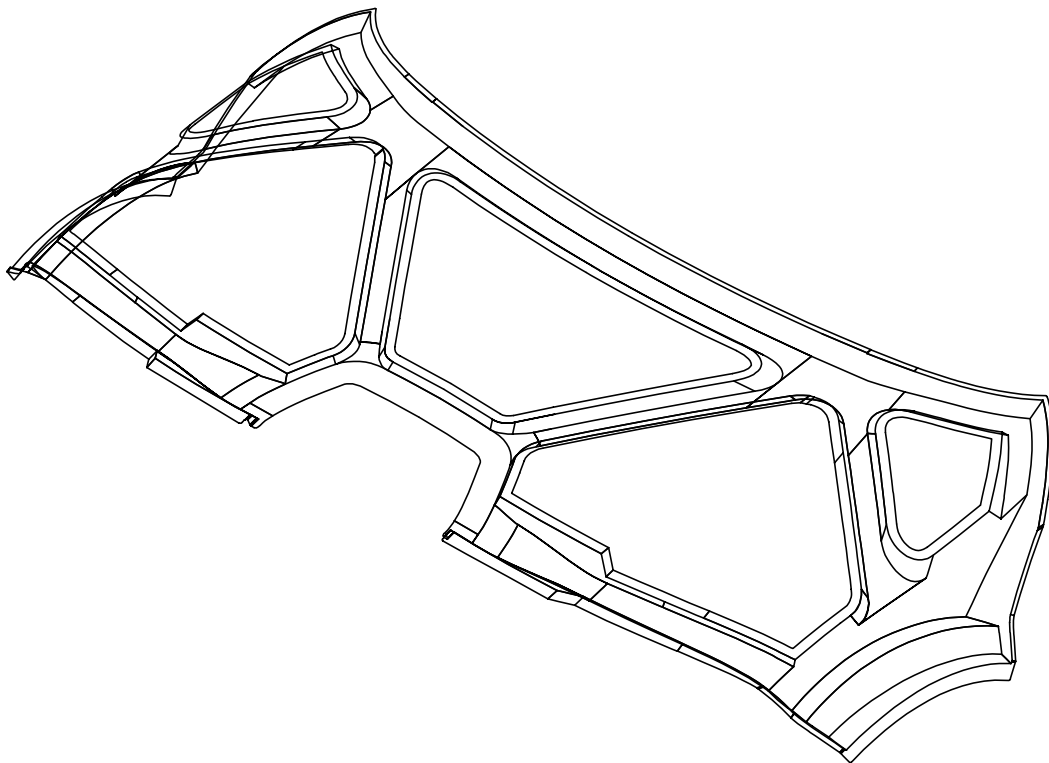
2.2.5.1 Parts Book Index

2.2.5.1 Parts Book Index - Hood Structure - C-Class/PNGV-Class

Part Number	Part Name	Re vision	Da te
AVC 1 2600	Inner - Hood	B01	10-Apr-01
AVC 1 2601	Outer - Hood	B00	09-Feb-01

2.2.5.2 Parts Book Sheets

2.2.5.2 Parts Book Sheets - Hood Structure



Part Box Size
1600 mm
725 mm
250 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Inner - Hood

Part Number: ULSAB-AVC 12600

Revision Level: B01

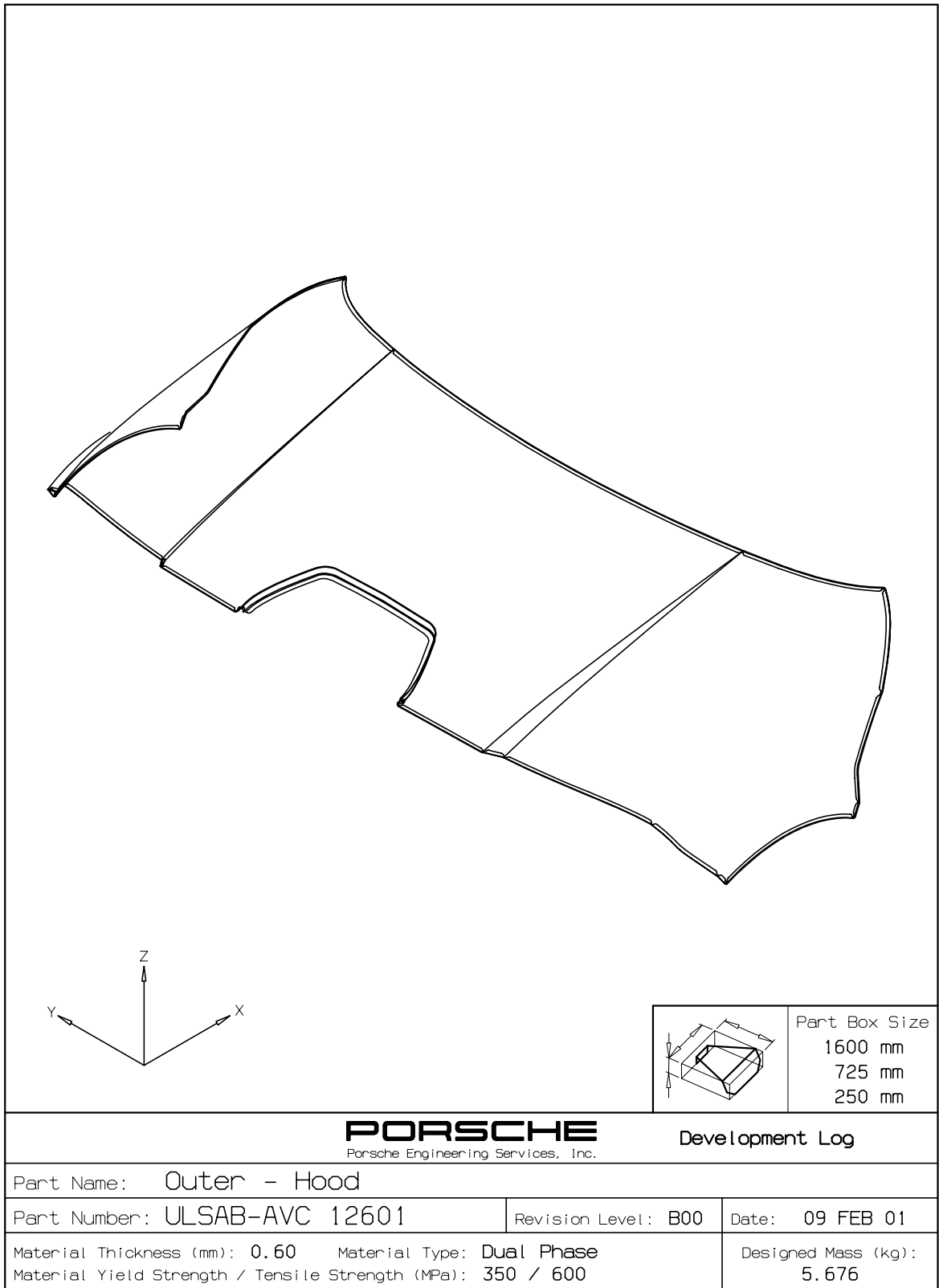
Date: 10 APR 01

Material Thickness (mm): 0.60 Material Type: Mild Steel

Material Yield Strength / Tensile Strength (MPa): 140 / 270

Designed Mass (kg):
3.408

2.2.5.2 Parts Book Sheets - Hood Structure



2.2.6 Liftgate - C-Class

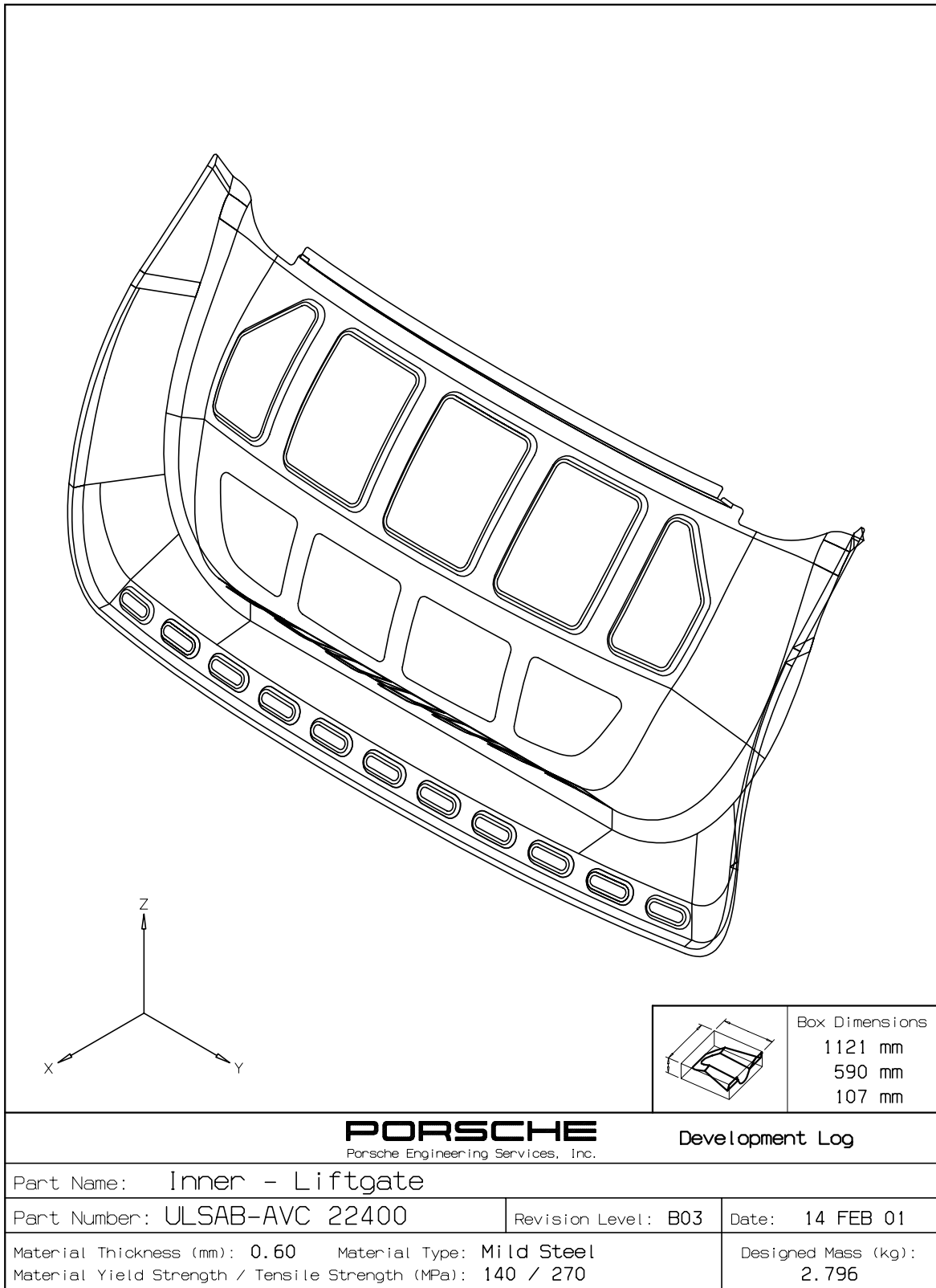
2.2.6.1 Parts Book Index

2.2.6.1 Parts Book Index - Liftgate Structure - C-Class

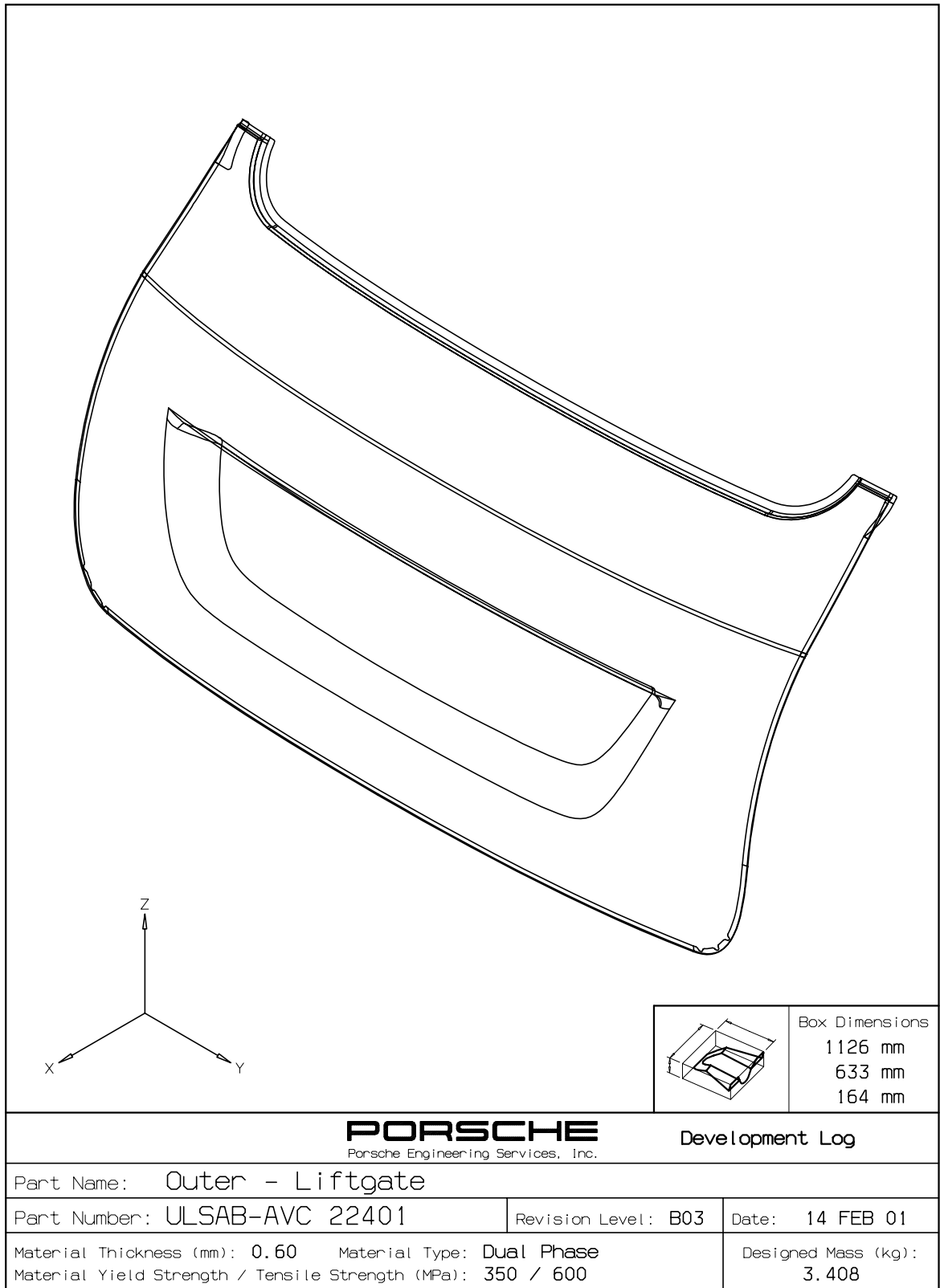
Part Number	Part Name	Re vision	Da te
AVC 2 2400	Inner - Liftgate	B03	14-Feb-01
AVC 2 2401	Outer - Liftgate	B03	14-Feb-01
AVC 2 2402	Member Aperture - Liftgate	B00	02-Feb-01

2.2.6.2 Parts Book Sheets

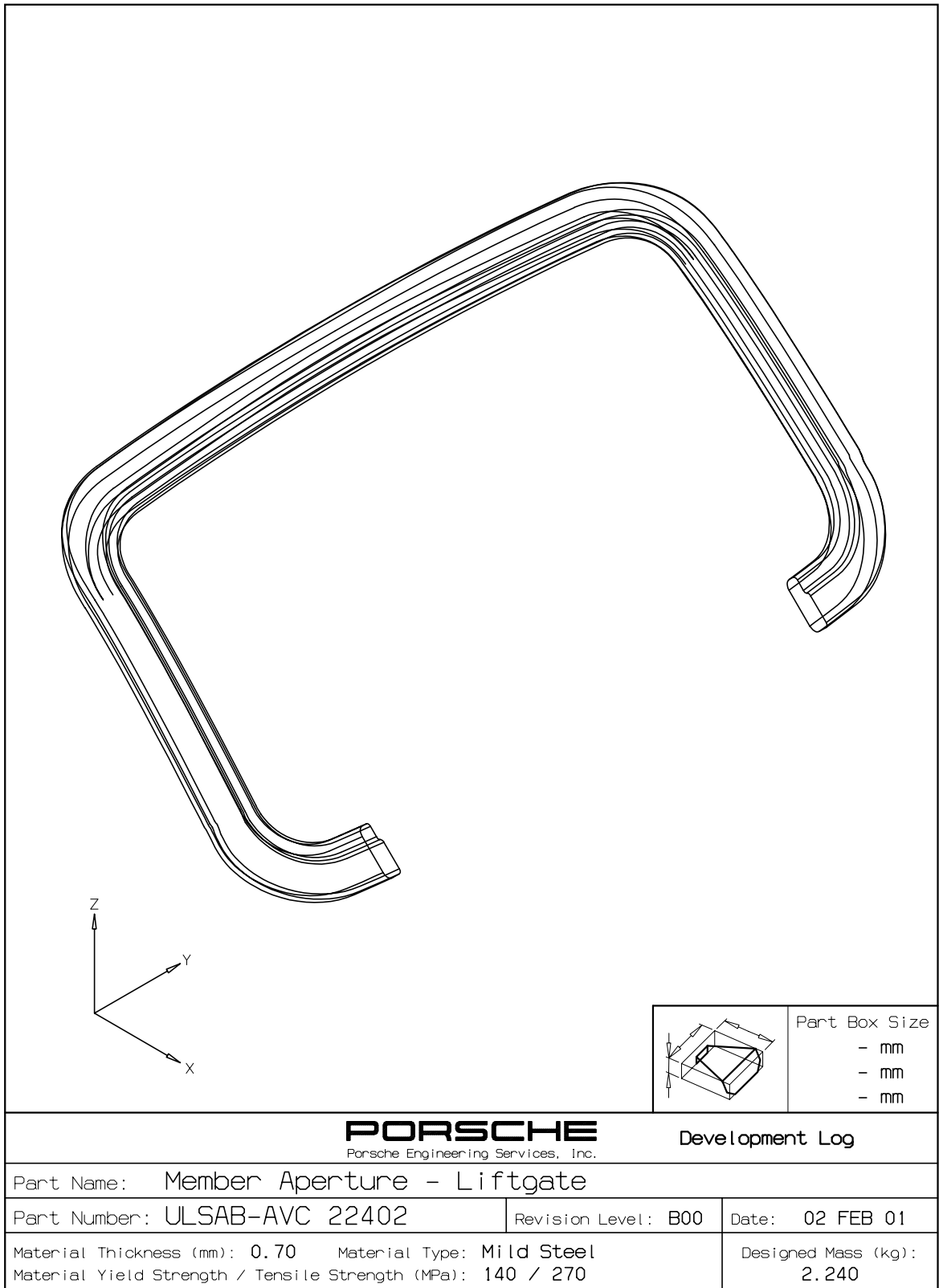
2.2.6.2 Parts Book Sheets - Liftgate Structure - C-Class



2.2.6.2 Parts Book Sheets - Liftgate Structure - C-Class



2.2.6.2 Parts Book Sheets - Liftgate Structure - C-Class



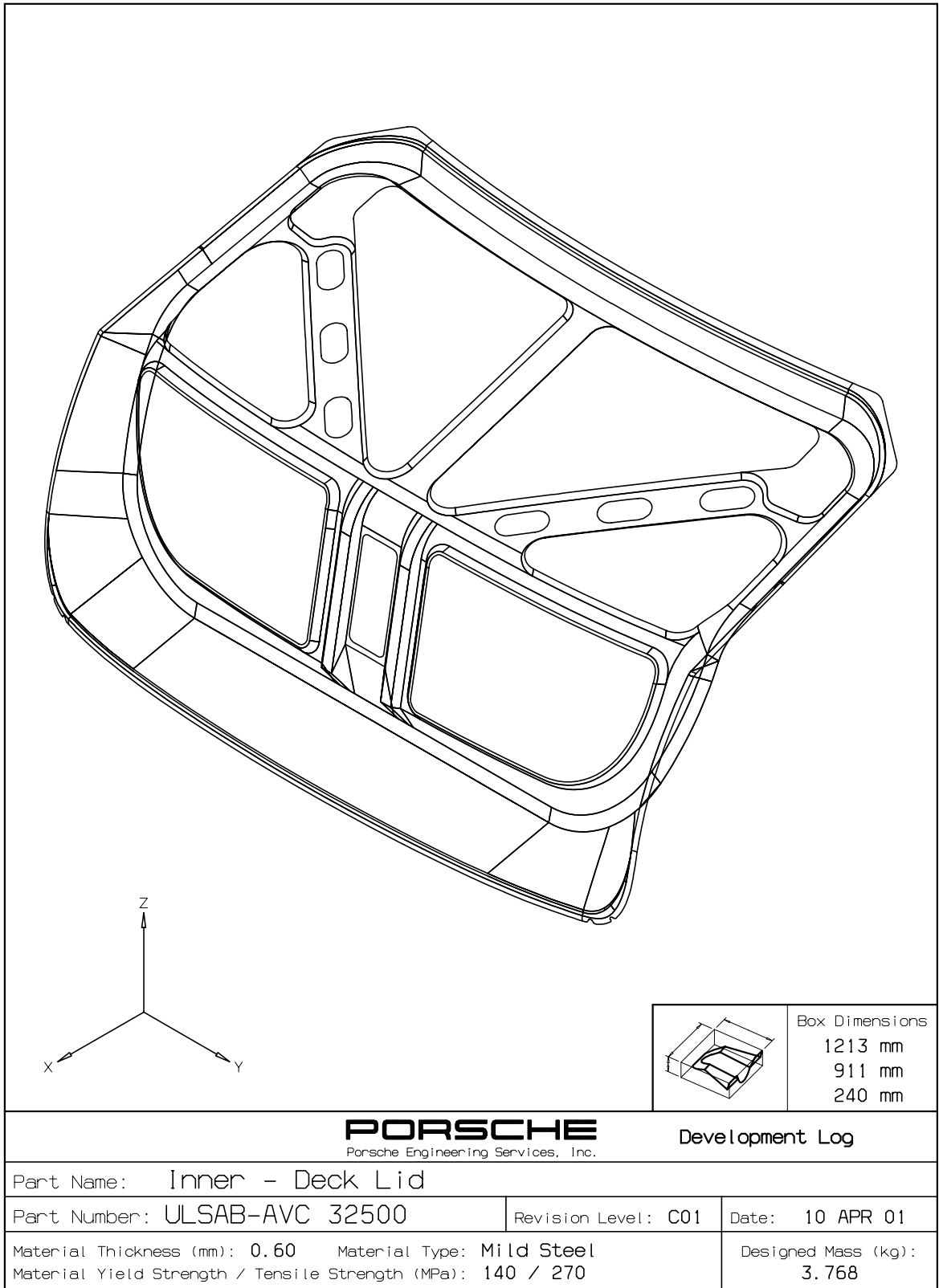
2.2.7 Deck Lid - PNGV-Class

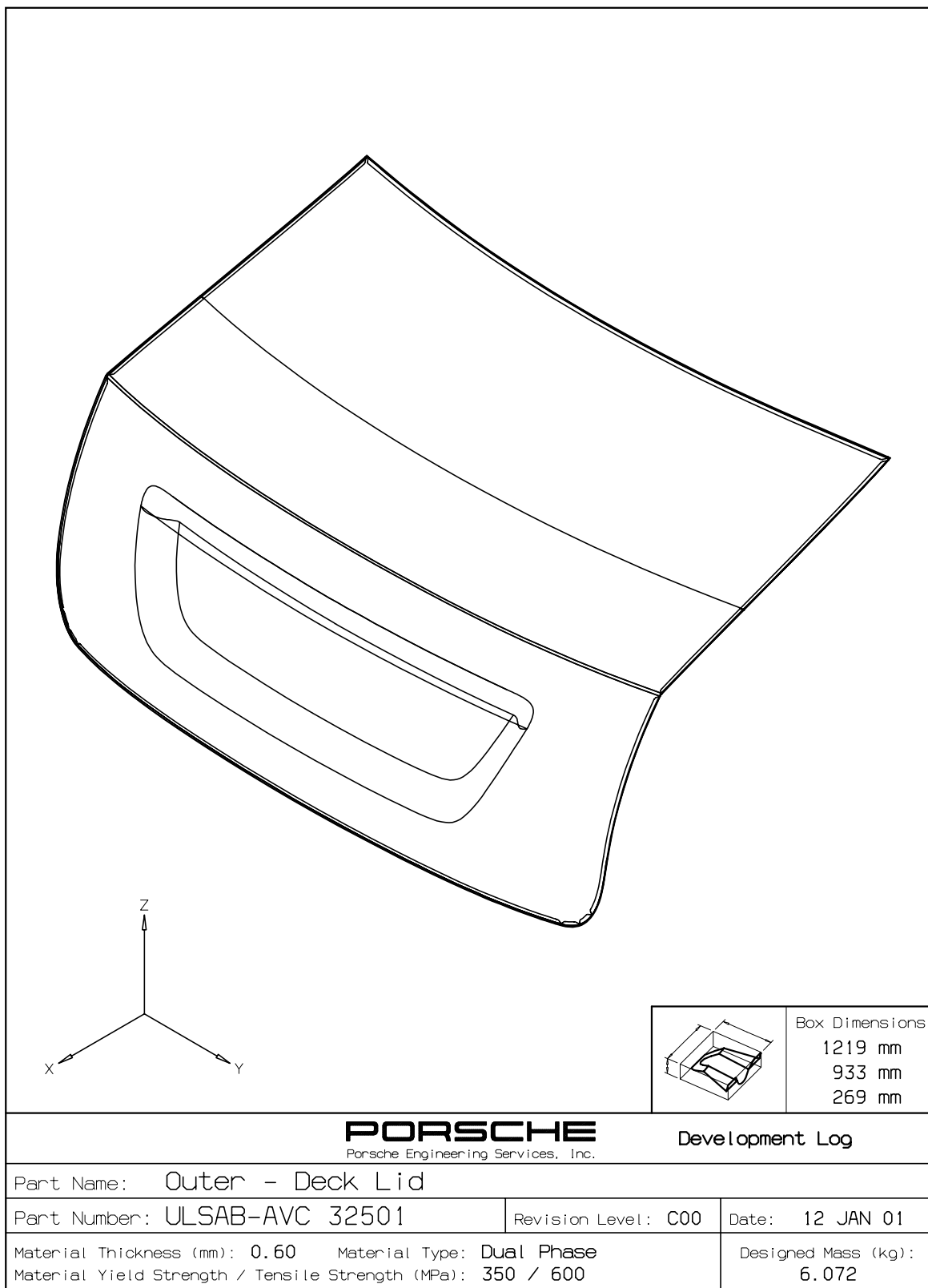
2.2.7.1 Parts Book Index

2.2.7.1 Parts Book Index - Deck Lid Structure - PNGV-Class

Part Number	Part Name	Re vision	Da te
AVC 3 2500	Inner - Deck Lid	C01	10-Apr-01
AVC 3 2501	Outer - Deck Lid	C00	12-Jan-01

2.2.7.2 Parts Book Sheets





2.3 Ancillary Closures Structure

2.3.1 Parts List

2.3.1 Parts Lists - Ancillary Closures Structure



ULSAB-AVC - C-Class / PNGV-Class - Ancillary Closures RH/LH

Number		Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
								Yield Strength	Tensile Strength		C-Class	PNGV-Class
AVC	1	2300	Engine Service Lid	A00	20-Feb-01	0.60	Mild	140	270	S	0.348	0.348
AVC	1	2602	Fender RH	B01	19-Feb-01	0.60	DP	350	600	S or HFS	1.608	1.608
AVC	1	2603	Fender LH	B01	19-Feb-01	0.60	DP	350	600	S or HFS	1.608	1.608
AVC	2	2301	Fuel Filler Lid	A00	20-Feb-01	0.60	Mild	140	270	S	0.090	
AVC	2	2700	Applique - Roof Side Rail RH	A02	19-Feb-01	0.50	Mild	140	270	S	1.290	
AVC	2	2701	Applique - Roof Side Rail LH	A02	19-Feb-01	0.50	Mild	140	270	S	1.290	
AVC	3	2302	Fuel Filler Lid	A00	20-Feb-01	0.60	Mild	140	270	S		0.090
AVC	3	2702	Applique - Roof Side Rail RH	A02	19-Feb-01	0.50	Mild	140	270	S		1.430
AVC	3	2703	Applique - Roof Side Rail LH	A02	19-Feb-01	0.50	Mild	140	270	S		1.430
TOTAL											6.234	6.514

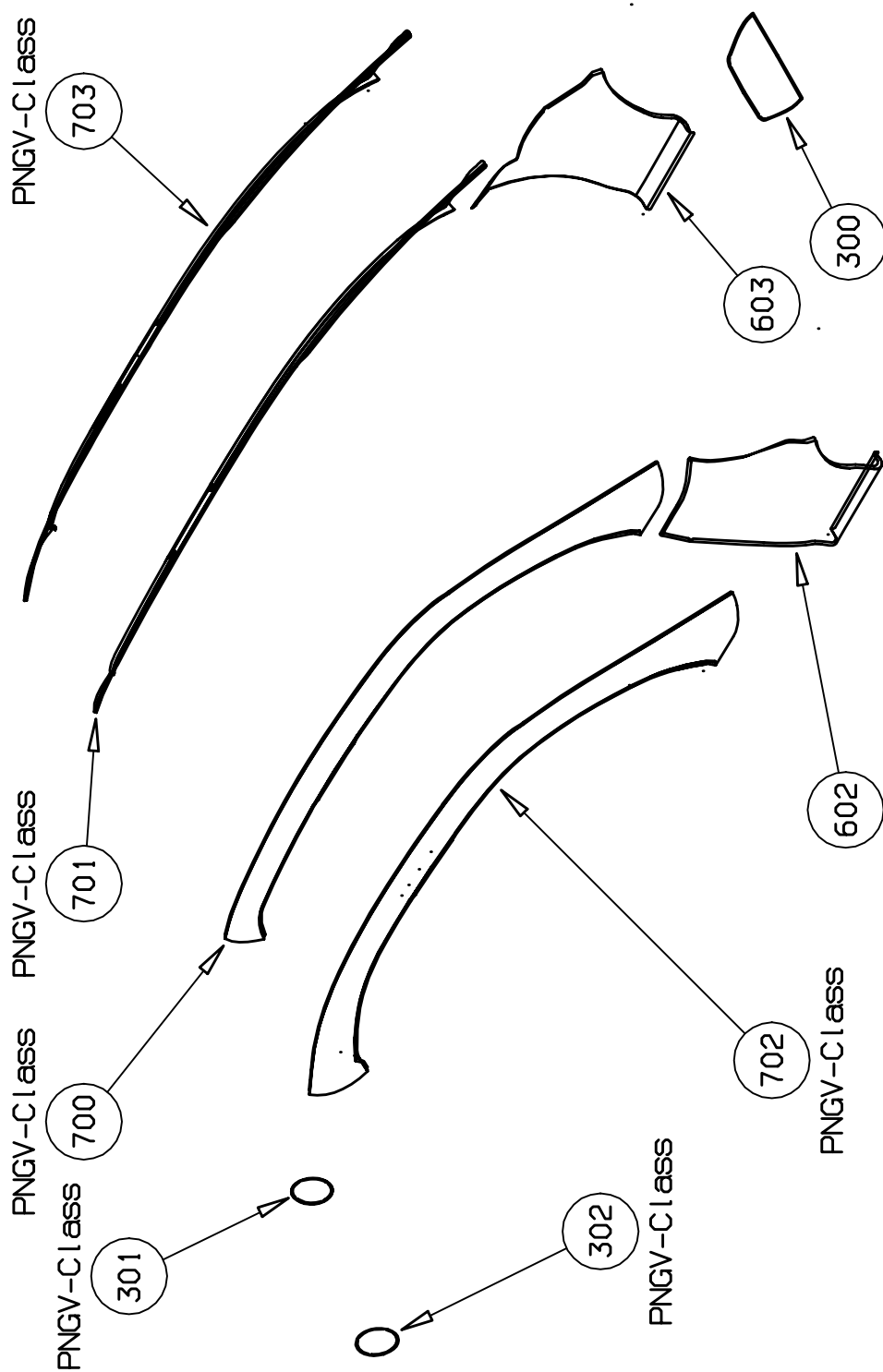
Code	Manufacturing Process
S	Stamped
S/TWB	Stamped / Tailor Welded Blanks
HFT	Hydroformed Tube
S or HFS	Stamped or Hydroformed Sheet
ST	Straight or Shaped Tube

* denotes Tube

Code	Steel Types
DP	Dual Phase
IF	Interstitial-Free
Mild	Mild Steel

2.3.2 Exploded View

2.3.2 Exploded View - Ancillary Closures Structure



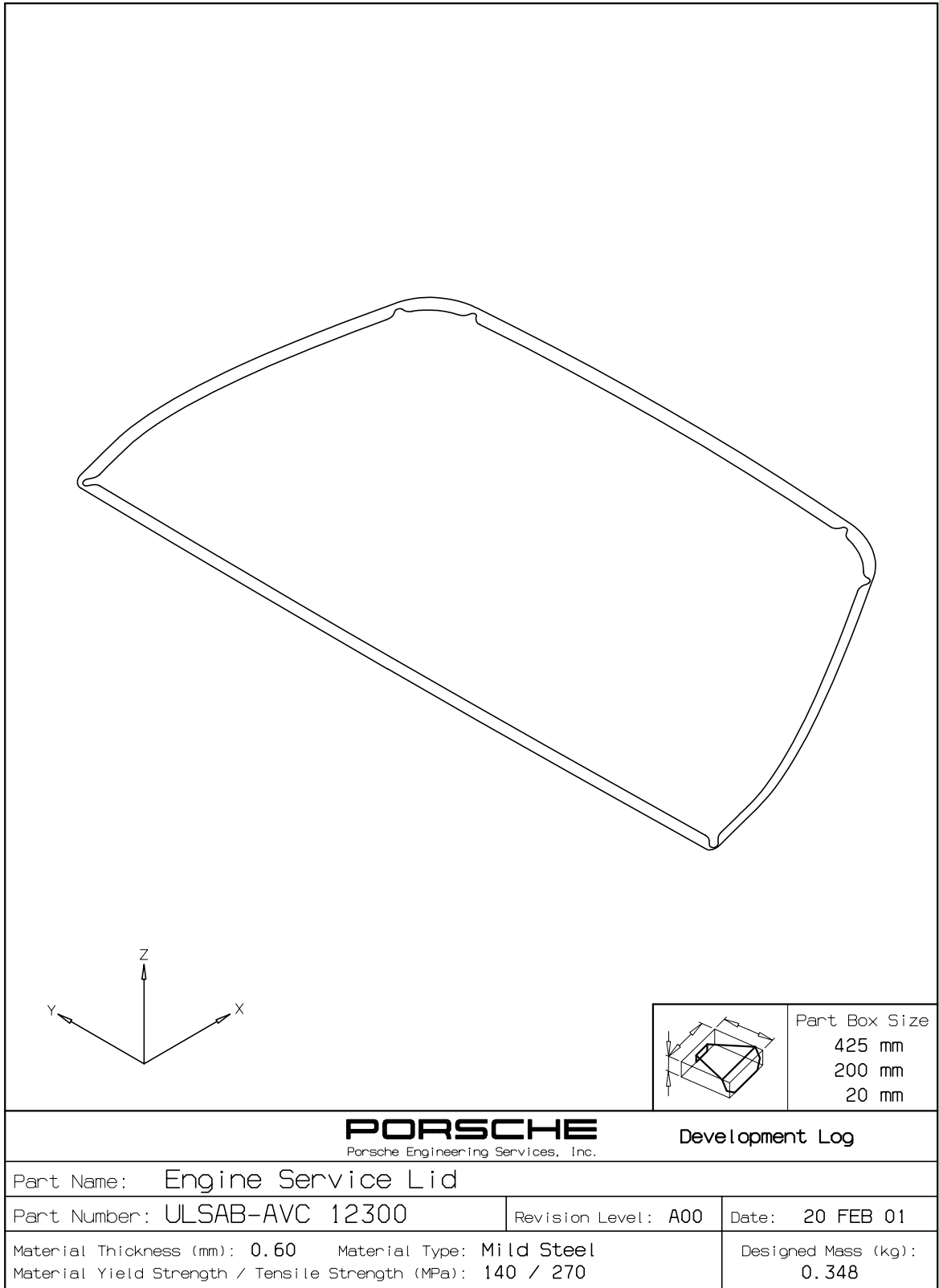
2.3.3 Parts Book Index

2.3.3 Parts Book Index - Ancillary Closures Structure

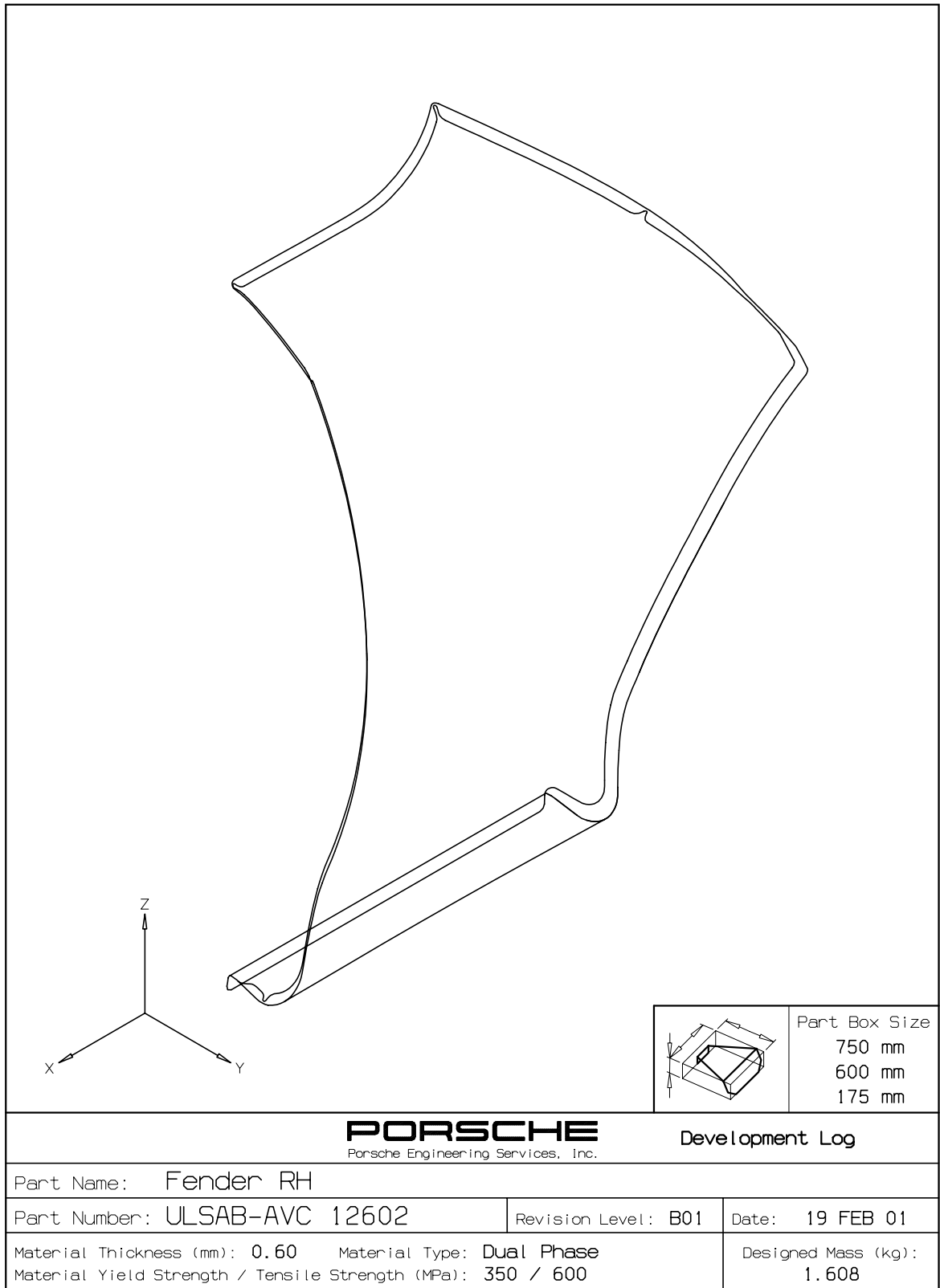
Part Number	Part Name	Revision	Date
AVC 1 2300	Engine Service Lid	A00	20-Feb-01
AVC 1 2602	Fender RH	B01	19-Feb-01
AVC 2 2301	Fuel Filler Lid	A00	20-Feb-01
AVC 2 2700	Applique - Roof Side Rail RH	A02	19-Feb-01
AVC 3 2302	Fuel Filler Lid	A00	20-Feb-01
AVC 3 2702	Applique - Roof Side Rail RH	A02	19-Feb-01

2.3.4 Parts Book Sheets

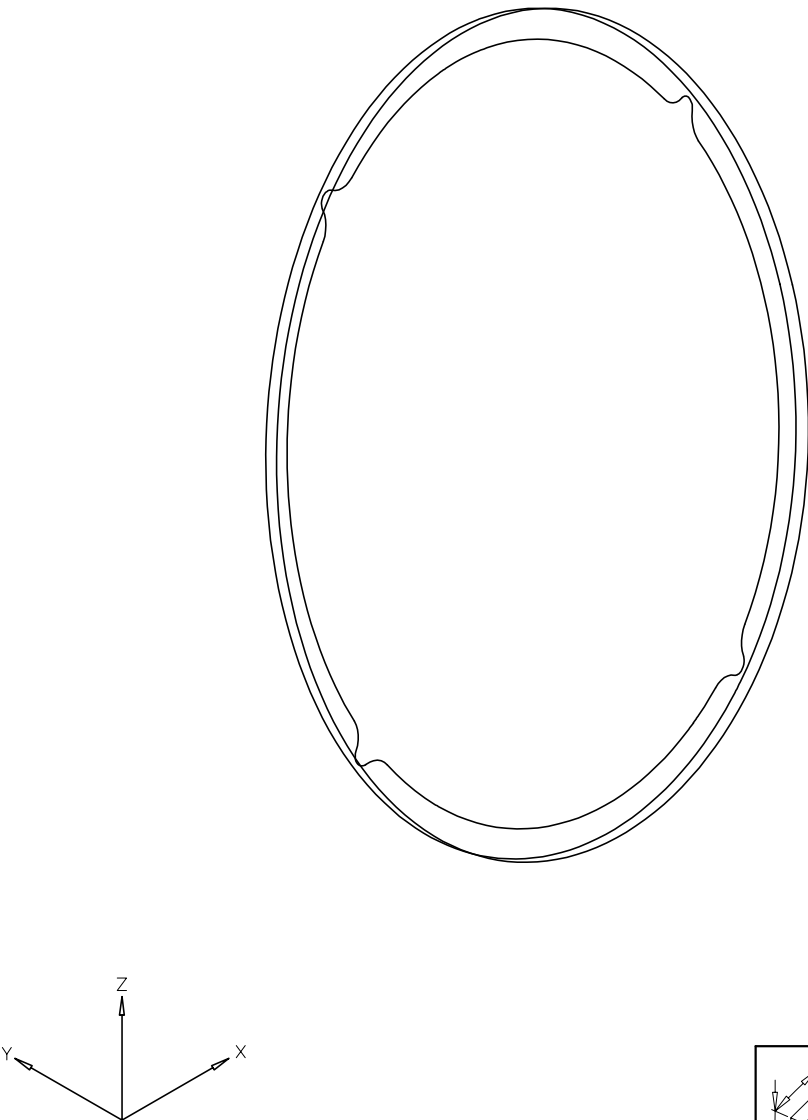
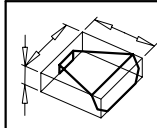
2.3.4 Parts Book Sheets - Ancillary Closures Structure



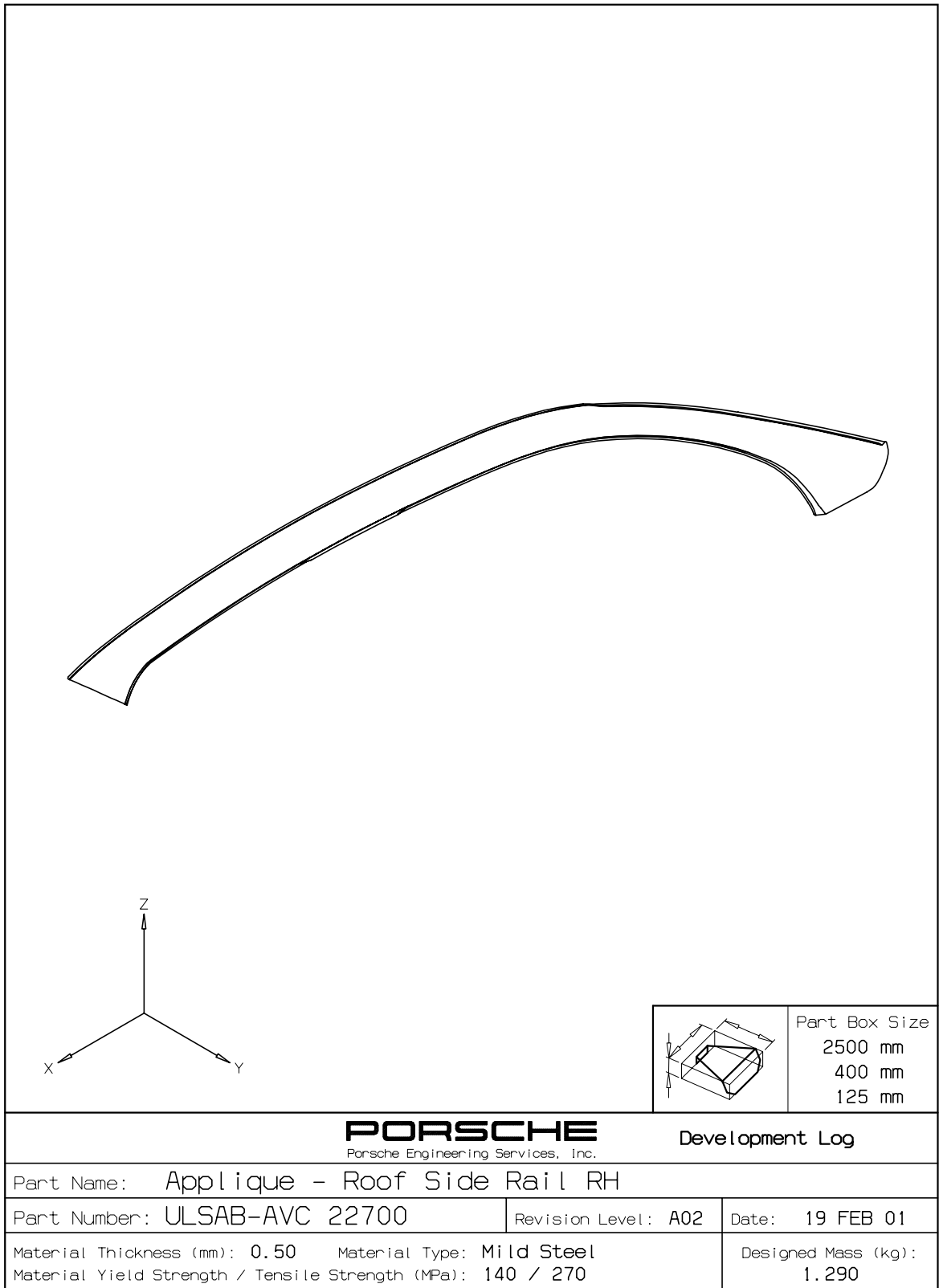
2.3.4 Parts Book Sheets - Ancillary Closures Structure



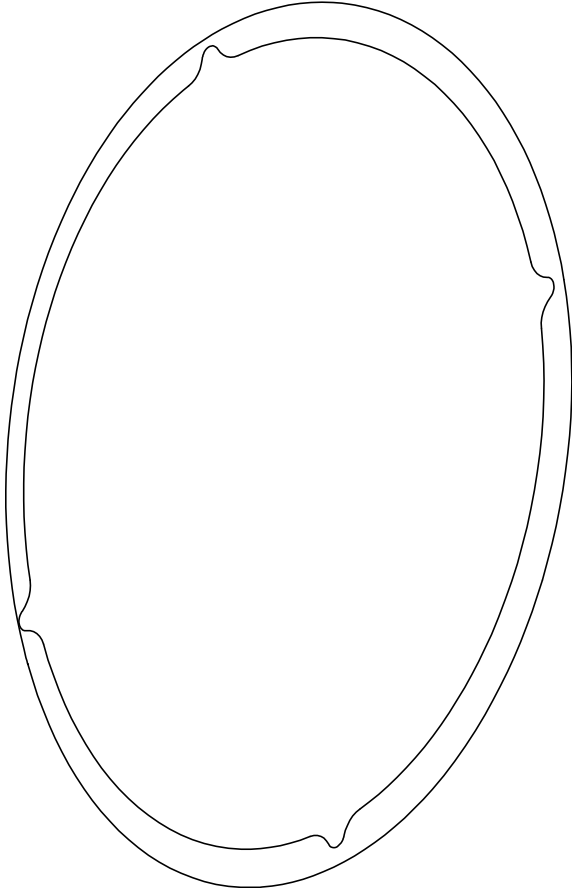
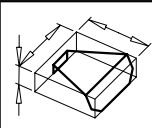
2.3.4 Parts Book Sheets - Ancillary Closures Structure

				Part Box Size 160 mm 150 mm 10 mm
PORSCHE Porsche Engineering Services, Inc.			Development Log	
Part Name: Fuel Filler Lid				
Part Number: ULSAB-AVC 22301		Revision Level: A00	Date: 20 FEB 01	
Material Thickness (mm): 0.60 Material Type: Mild Steel			Designed Mass (kg):	
Material Yield Strength / Tensile Strength (MPa): 140 / 270			0.090	

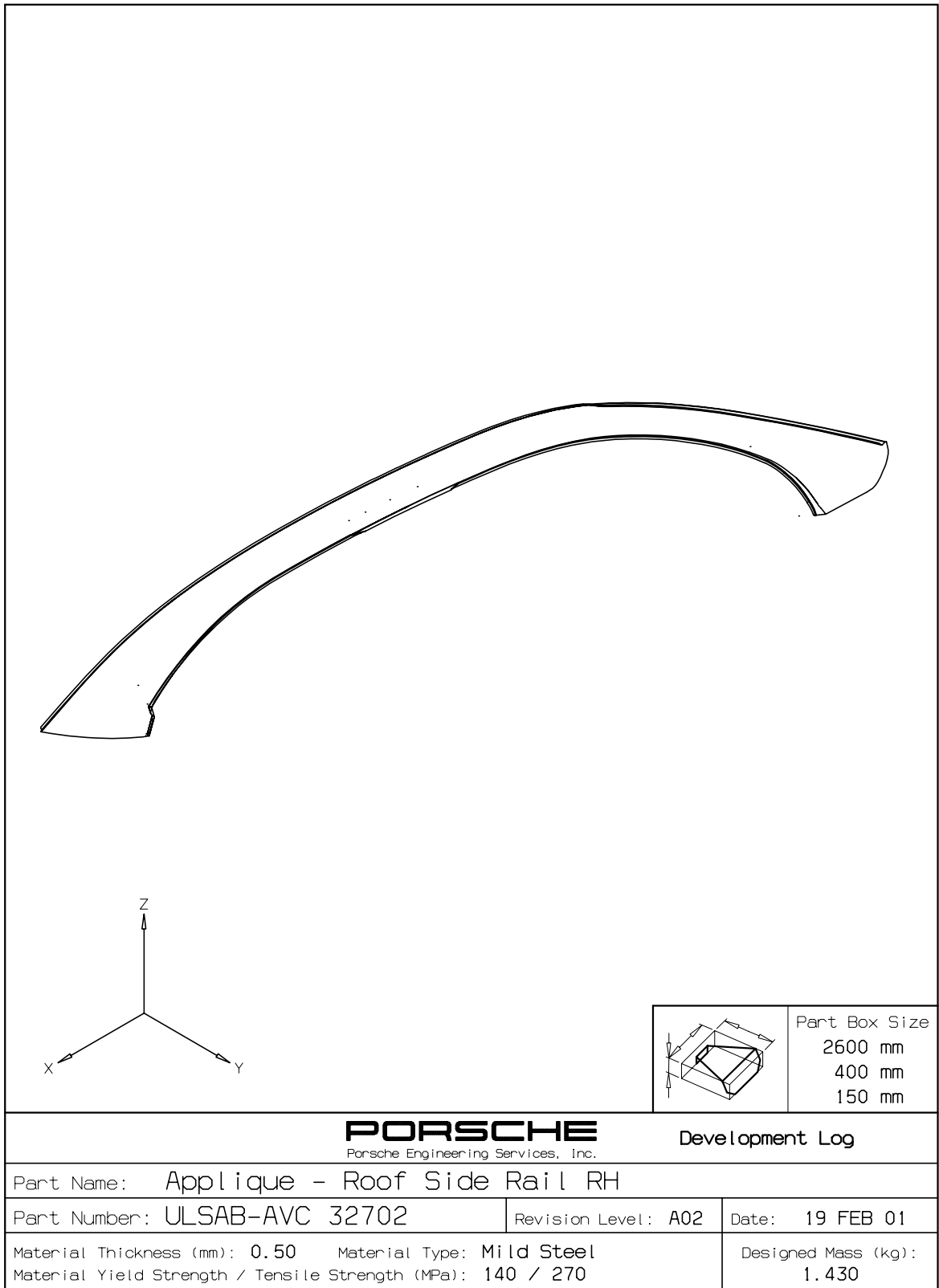
2.3.4 Parts Book Sheets - Ancillary Closures Structure



2.3.4 Parts Book Sheets - Ancillary Closures Structure

				Part Box Size 160 mm 140 mm 10 mm
PORSCHE Porsche Engineering Services, Inc.			Development Log	
Part Name: Fuel Filler Lid				
Part Number: ULSAB-AVC 32302		Revision Level: A00		Date: 20 FEB 01
Material Thickness (mm): 0.60 Material Type: Mild Steel Material Yield Strength / Tensile Strength (MPa): 140 / 270			Designed Mass (kg): 0.090	

2.3.4 Parts Book Sheets - Ancillary Closures Structure



2.4 Ancillary Structure

2.4.1 Front Seat Structure

2.4.1.1 Parts List

2.4.1.1 Parts List - Front Seat Structure



ULSAB-AVC - Front Seat RH/LH

Number	Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
							Yield Strength	Tensile Strength		C-Class	PNGV-Class
AVC 1 1184	Crossmember Support Front Seat Rear	C00	03-Nov-00		1.20	Mart *	950	1200	ST	2.568	2.568
AVC 1 1400	Frame Member Back Support Front Seat RH	A01	10-May-01		1.00	DP *	350	600	ST	1.120	1.120
AVC 1 1401	Frame Member Back Support Front Seat LH	A01	10-May-01		1.00	DP *	350	600	ST	1.120	1.120
AVC 1 1402	Diagonal Member Back Supt Front Seat RH	A01	10-May-01		1.00	DP *	350	600	ST	0.300	0.300
AVC 1 1403	Diagonal Member Back Supt Front Seat LH	A01	10-May-01		1.00	DP *	350	600	ST	0.300	0.300
AVC 1 1404	Crossmember Back Support Front Seat (x2)	A01	10-May-01		1.00	DP *	350	600	ST	0.500	0.500
AVC 1 1405	Bracket Head Support Attach Front Seat (x2)	A01	09-May-01		1.00	HSLA	350	450	S	0.400	0.400
AVC 1 1406	Bracket Retractor Attachment Front Seat RH	A01	10-May-01		1.50	TRIP	450	800	S	0.510	0.510
AVC 1 1407	Bracket Retractor Attachment Front Seat LH	A01	10-May-01		1.50	TRIP	450	800	S	0.510	0.510
AVC 1 1408	Reinf Retractor Attachment Front Seat RH	A01	10-May-01		1.50	TRIP	450	800	S	0.135	0.135
AVC 1 1409	Reinf Retractor Attachment Front Seat LH	A00	04-May-01		1.50	TRIP	450	800	S	0.135	0.135
AVC 1 1410	Retainer Spring Back Support Front Seat RH	A01	10-May-01		1.00	DP	500	800	S	0.710	0.710
AVC 1 1411	Retainer Spring Back Support Front Seat LH	A01	10-May-01		1.00	DP	500	800	S	0.710	0.710
AVC 1 1412	Frame Member Seat Support Front Seat RH	A00	04-May-01		0.70	Mild *	140	270	ST	0.931	0.931
AVC 1 1413	Frame Member Seat Support Front Seat LH	A00	04-May-01		0.70	Mild *	140	270	ST	0.931	0.931
AVC 1 1414	Bracket Back Supt Attach Outer Frt Seat (x2)	A01	10-May-01		2.00	HSLA	350	450	S	0.760	0.760
AVC 1 1415	Bracket Back Supt Attach Inner Frt Seat (x2)	A01	10-May-01		2.00	HSLA	350	450	S	0.480	0.480
AVC 1 1416	Bracket Seat Attach Outer Front Seat RH	A01	10-May-01		2.00	HSLA	350	450	S	0.260	0.260
AVC 1 1417	Bracket Seat Attach Outer Front Seat LH	A01	10-May-01		2.00	HSLA	350	450	S	0.260	0.260
AVC 1 1418	Bracket Seat Attach Inner Front Seat RH	A00	04-May-01		2.00	HSLA	350	450	S	0.100	0.100
AVC 1 1419	Bracket Seat Attach Inner Front Seat LH	A00	04-May-01		2.00	HSLA	350	450	S	0.100	0.100
AVC 1 1420	Frame Cushion Support Front Seat (x2)	A00	04-May-01		1.00	Mild	140	270	S	1.320	1.320
AVC 1 1421	Reinf Cushion Support Front Seat (x2)	A00	04-May-01		1.00	Mild	140	270	S	1.300	1.300
AVC 1 1422	Assy Tilt Mech Cushion Supt Front Seat RH	A01	09-May-01		Assy	Assy	Assy	Assy		1.952	1.952
AVC 1 1423	Assy Tilt Mech Cushion Supt Front Seat LH	A01	09-May-01		Assy	Assy	Assy	Assy		1.952	1.952
TOTAL										19.364	19.364

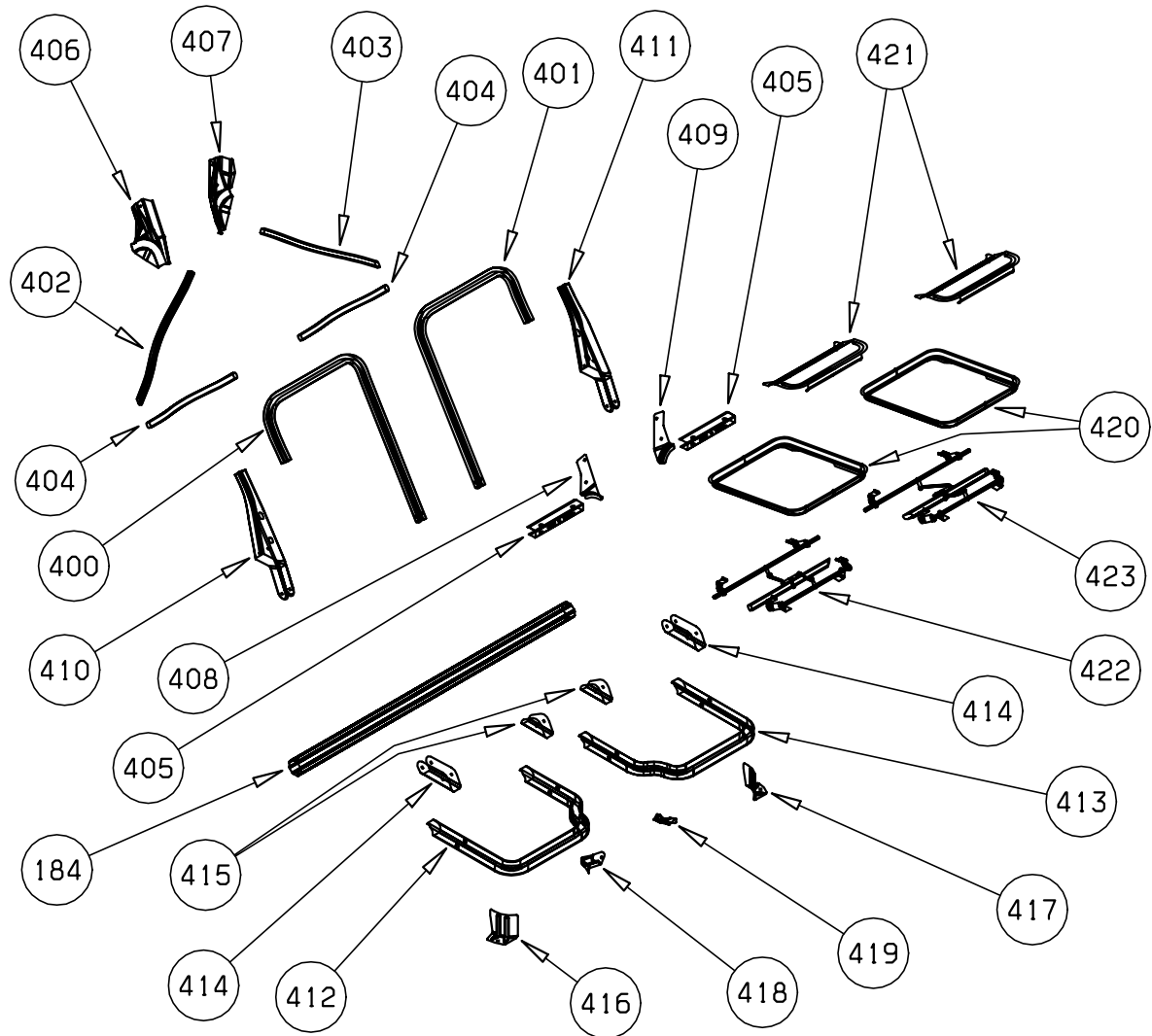
Code	Manufacturing Process
S	Stamped
ST	Straight or Shaped Tube
ROD	Straight or Shaped Rod

* denotes tube

Code	Steel Types
DP	Dual Phase
HSLA	High Strength, Low Alloy
Mart	Martensitic
Mild	Mild Steel
TRIP	Transformation-Induced Plasticity

2.4.1.2 Exploded View

2.4.1.2 Exploded View - Front Seat Structure



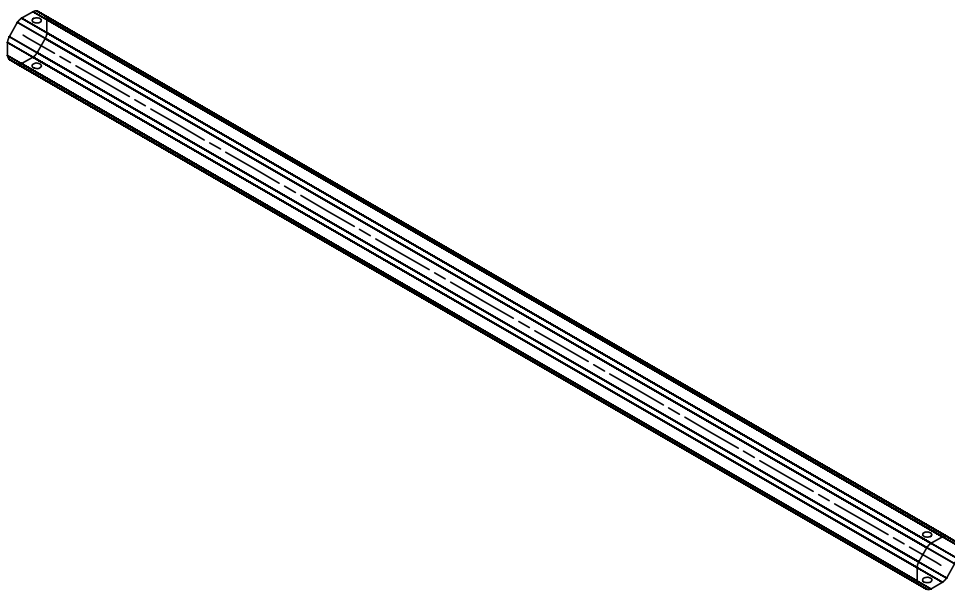
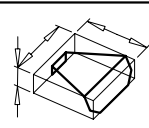
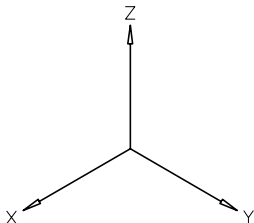
2.4.1.3 Parts Book Index

2.4.1.3 Parts Book Index - Front Seat Structure

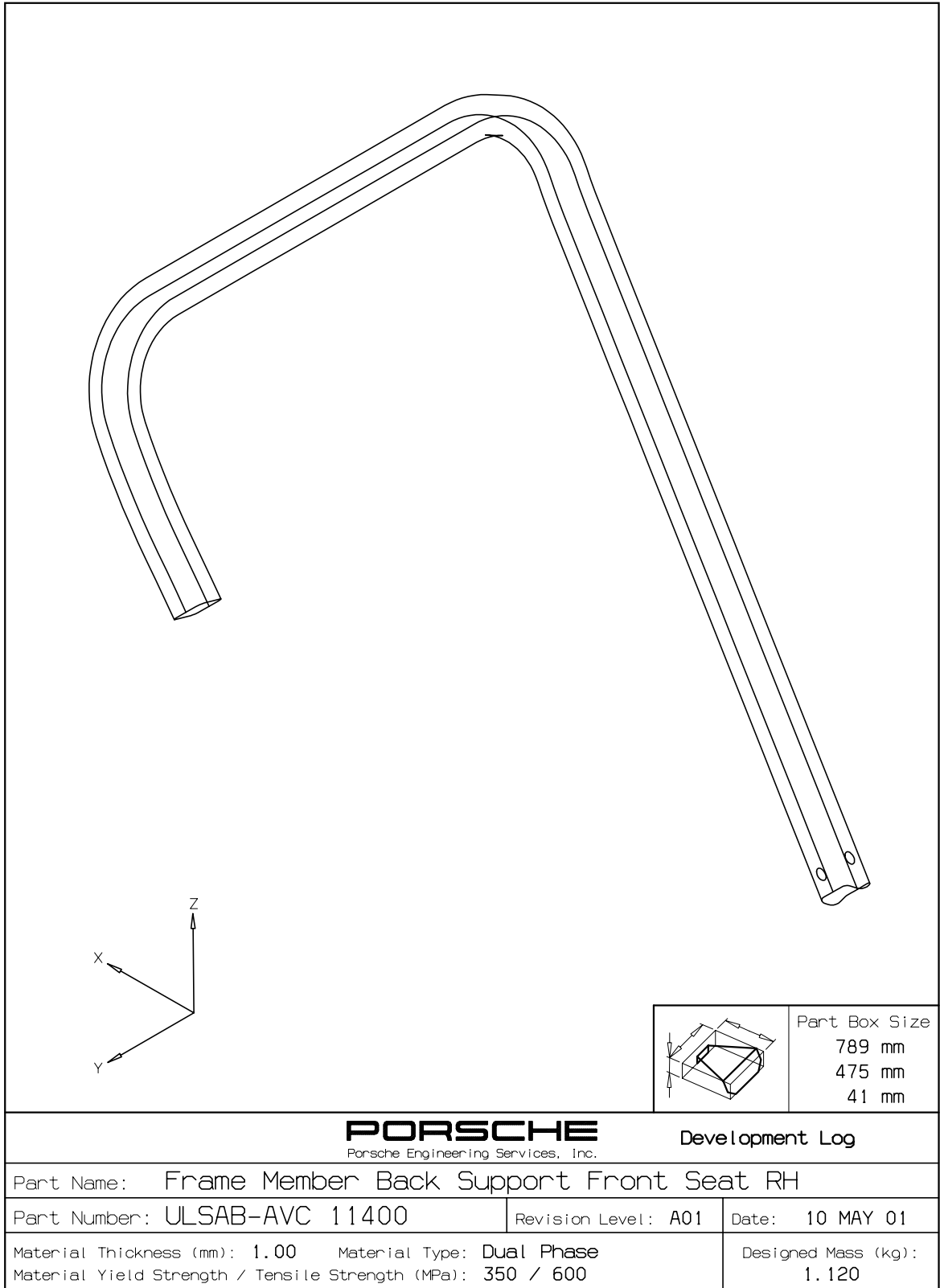
Part Number	Part Name	Revision	Date
AVC 1 1184	Crossmember Support Front Seat Rear	C00	03-Nov-00
AVC 1 1400	Frame Member Back Support Front Seat RH	A01	10-May-01
AVC 1 1402	Diagonal Member Back Supt Front Seat RH	A01	10-May-01
AVC 1 1404	Crossmember Back Support Front Seat (x2)	A01	10-May-01
AVC 1 1405	Bracket Head Support Attach Front Seat (x2)	A01	09-May-01
AVC 1 1406	Bracket Retractor Attachment Front Seat RH	A01	10-May-01
AVC 1 1408	Reinf Retractor Attachment Front Seat RH	A01	10-May-01
AVC 1 1410	Retainer Spring Back Support Front Seat RH	A01	10-May-01
AVC 1 1412	Frame Member Seat Support Front Seat RH	A00	04-May-01
AVC 1 1414	Bracket Back Supt Attach Outer Frt Seat (x2)	A01	10-May-01
AVC 1 1415	Bracket Back Supt Attach Inner Frt Seat (x2)	A01	10-May-01
AVC 1 1416	Bracket Seat Attach Outer Front Seat RH	A01	10-May-01
AVC 1 1418	Bracket Seat Attach Inner Front Seat RH	A00	04-May-01
AVC 1 1420	Frame Cushion Support Front Seat (x2)	A00	04-May-01
AVC 1 1421	Reinf Cushion Support Front Seat (x2)	A00	04-May-01
AVC 1 1422	Assy Tilt Mech Cushion Supt Front Seat RH	A01	09-May-01

2.4.1.4 Parts Book Sheets

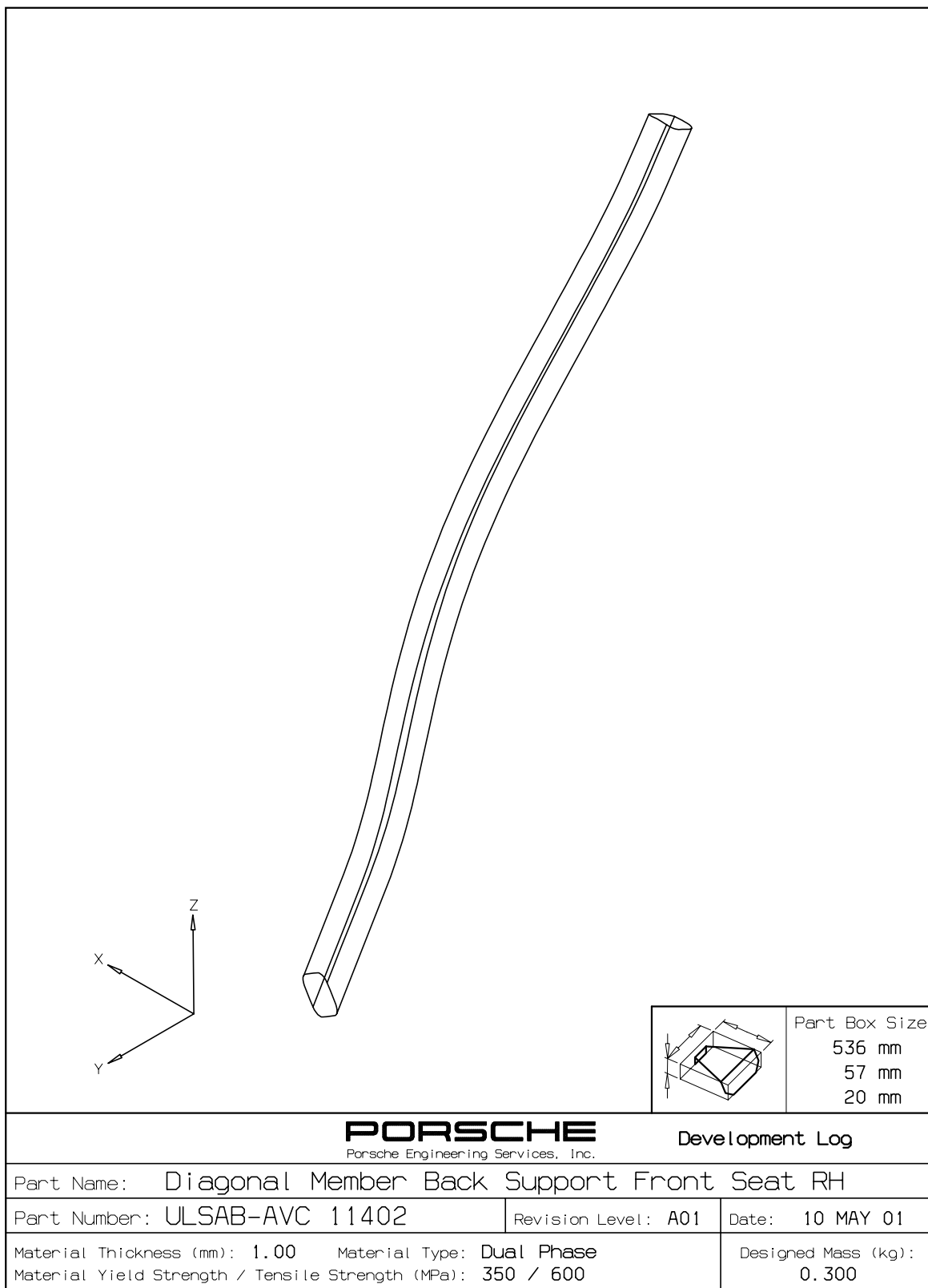
2.4.1.4 Parts Book Sheets - Front Seat Structure

					Part Box Size	
					1388 mm 60 mm 60 mm	
			<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> PORSCHE <small>Porsche Engineering Services, Inc.</small> </div> <div>Development Log</div> </div>			
Part Name: Crossmember Support Front Seat Rear						
Part Number: ULSAB-AVC 11184			Revision Level: C00		Date: 03 NOV 00	
Material Thickness (mm): 1.20 Material Type: Martensitic Material Yield Strength / Tensile Strength (MPa): 950 / 1200					Designed Mass (kg): 2.568	

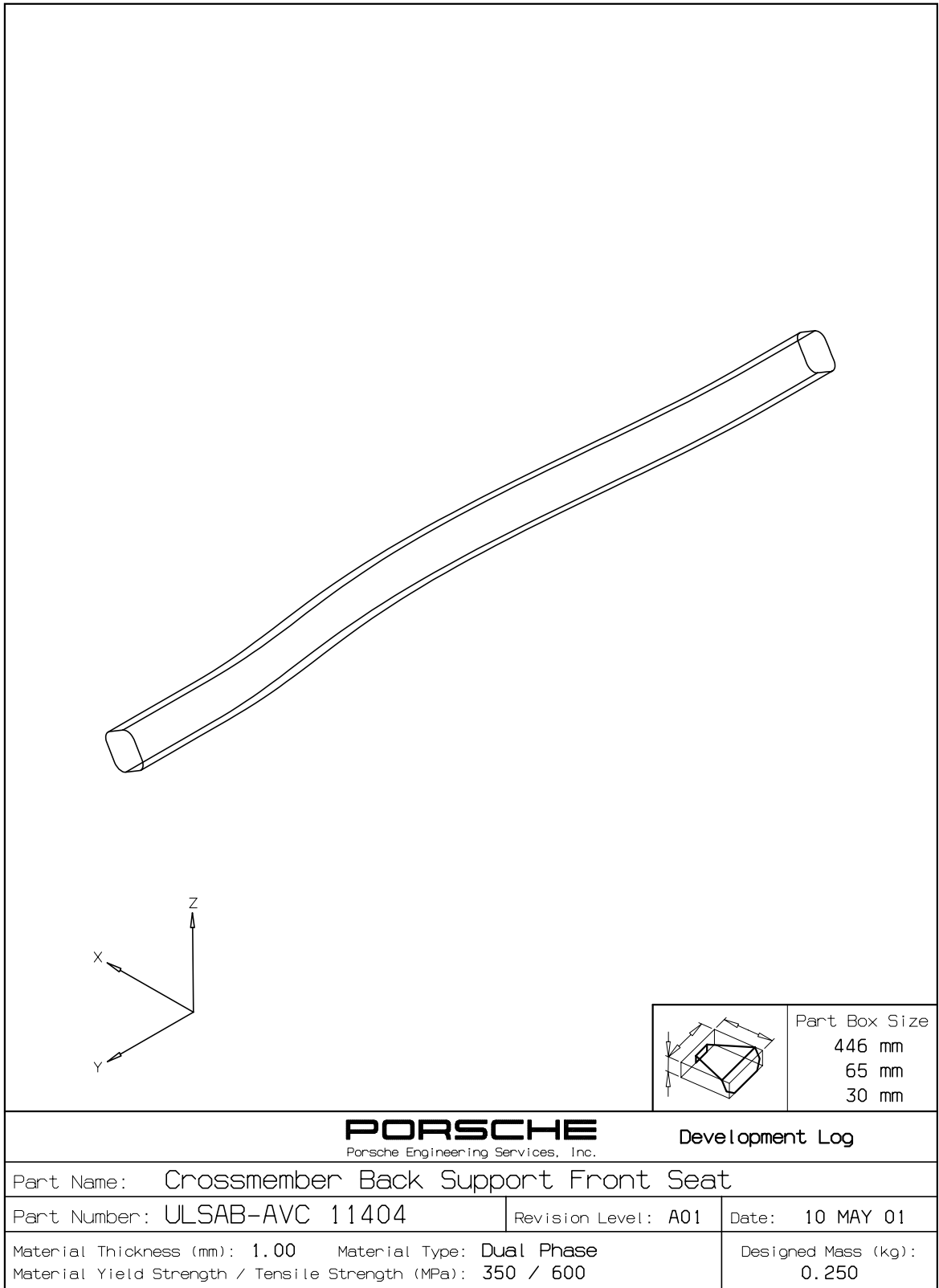
2.4.1.4 Parts Book Sheets - Front Seat Structure



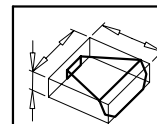
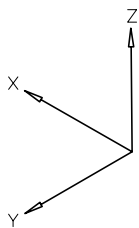
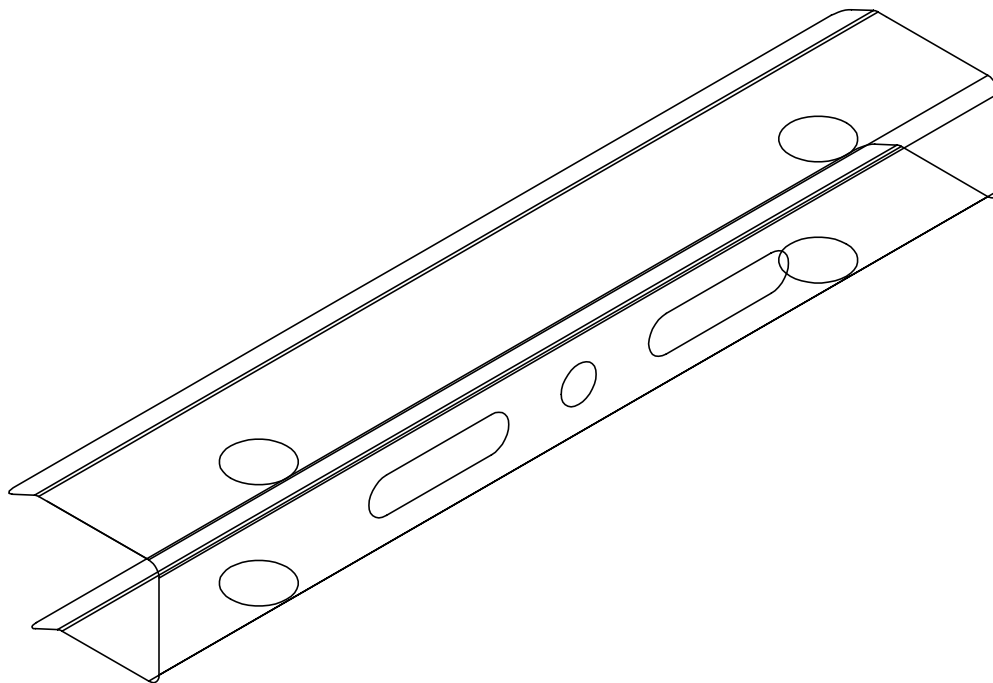
2.4.1.4 Parts Book Sheets - Front Seat Structure



2.4.1.4 Parts Book Sheets - Front Seat Structure



2.4.1.4 Parts Book Sheets - Front Seat Structure



Part Box Size
240 mm
45 mm
35 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Bracket Head Support Attachment Front Seat

Part Number: ULSAB-AVC 11405

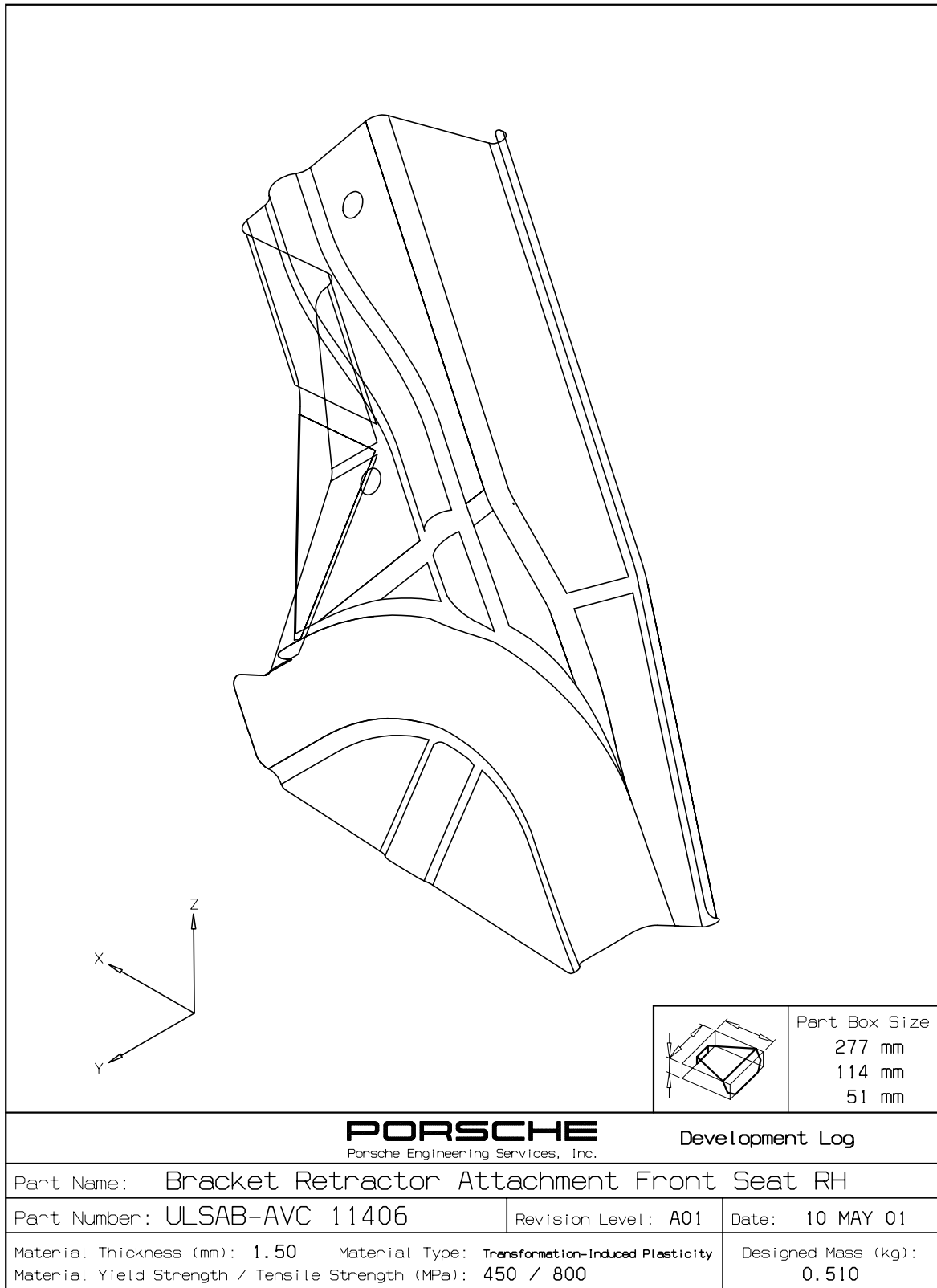
Revision Level: A01

Date: 09 MAY 01

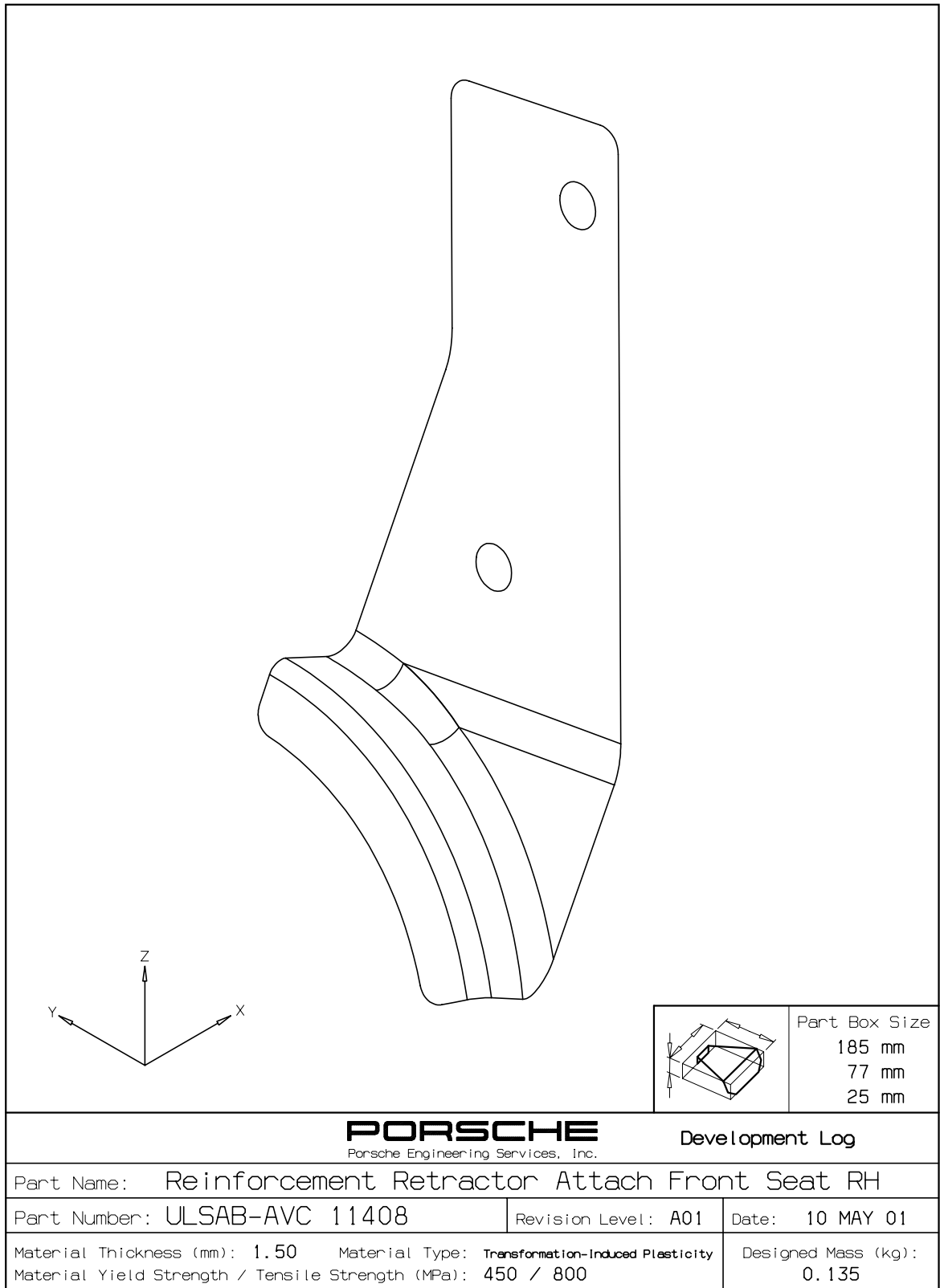
Material Thickness (mm): 1.00 Material Type: High Strength, Low Alloy
Material Yield Strength / Tensile Strength (MPa): 350 / 450

Designed Mass (kg):
0.200

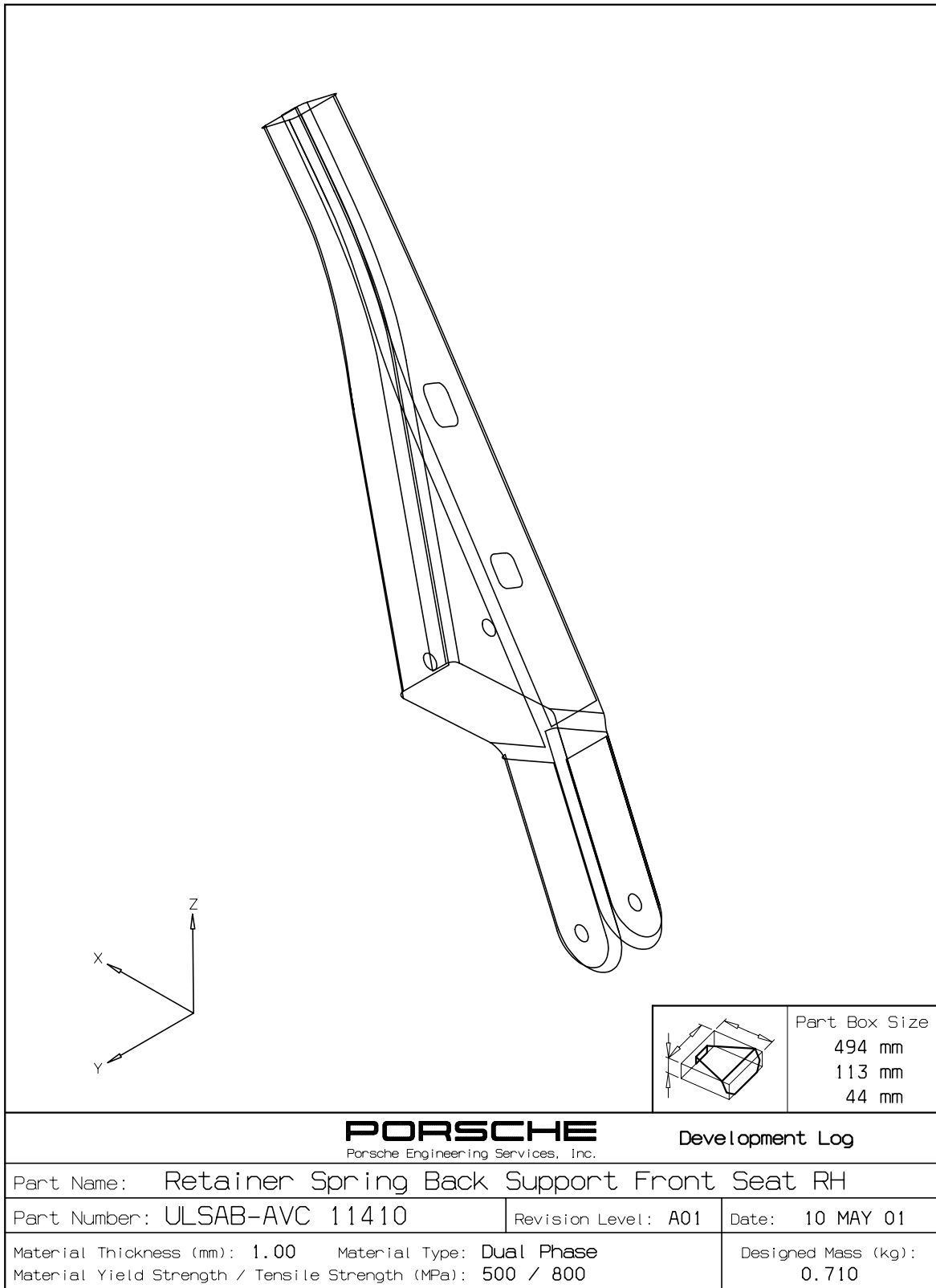
2.4.1.4 Parts Book Sheets - Front Seat Structure



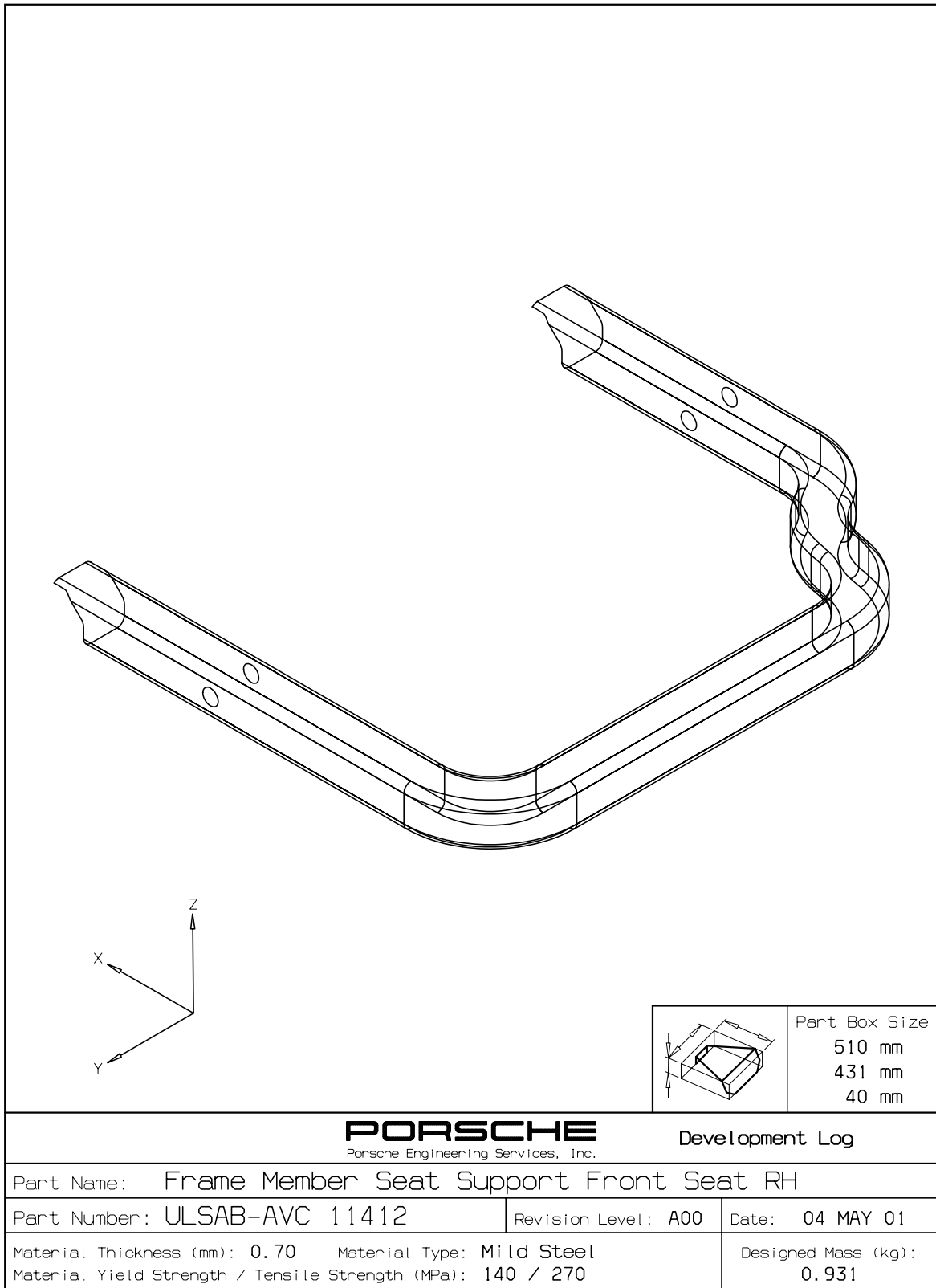
2.4.1.4 Parts Book Sheets - Front Seat Structure



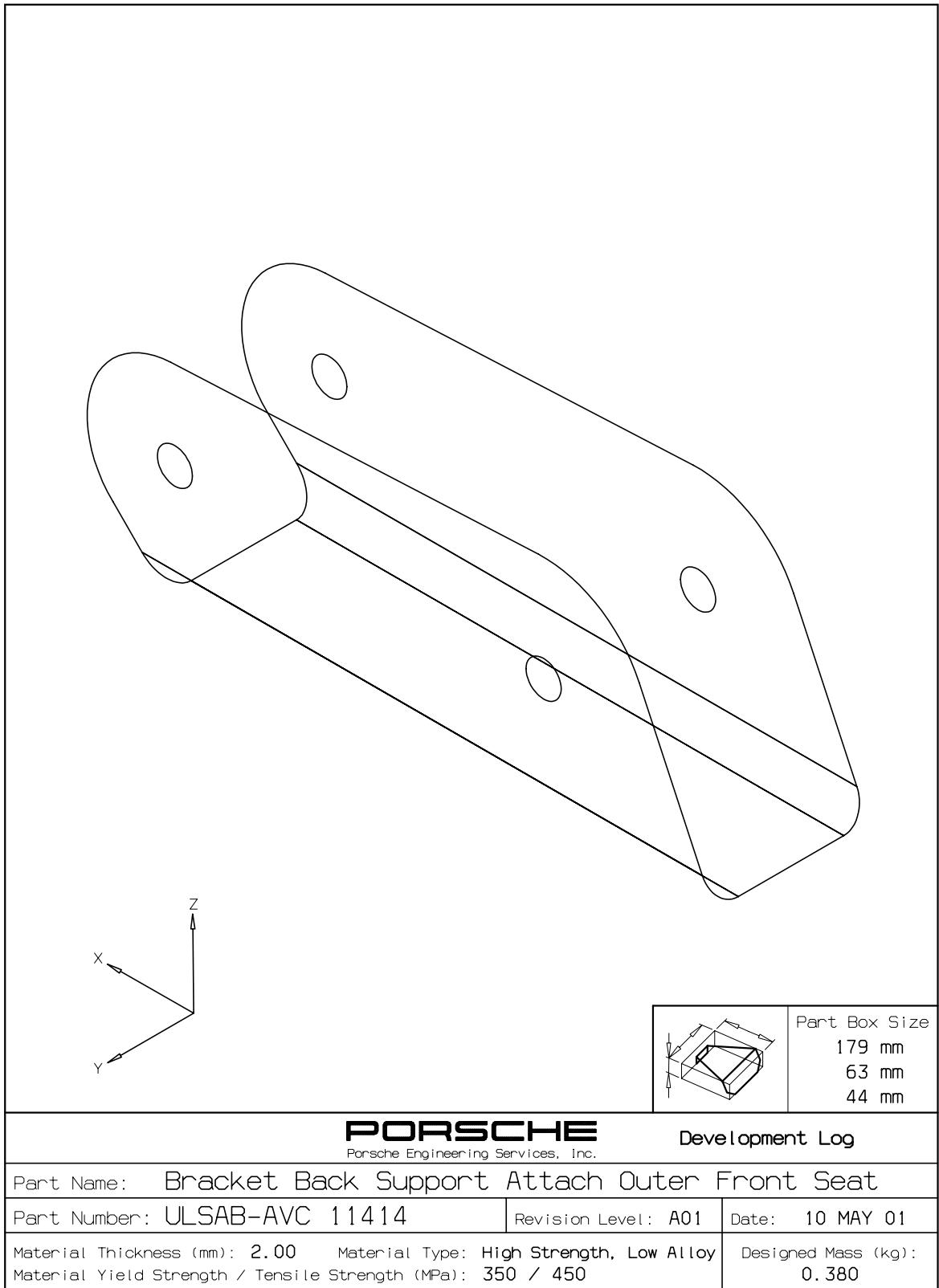
2.4.1.4 Parts Book Sheets - Front Seat Structure



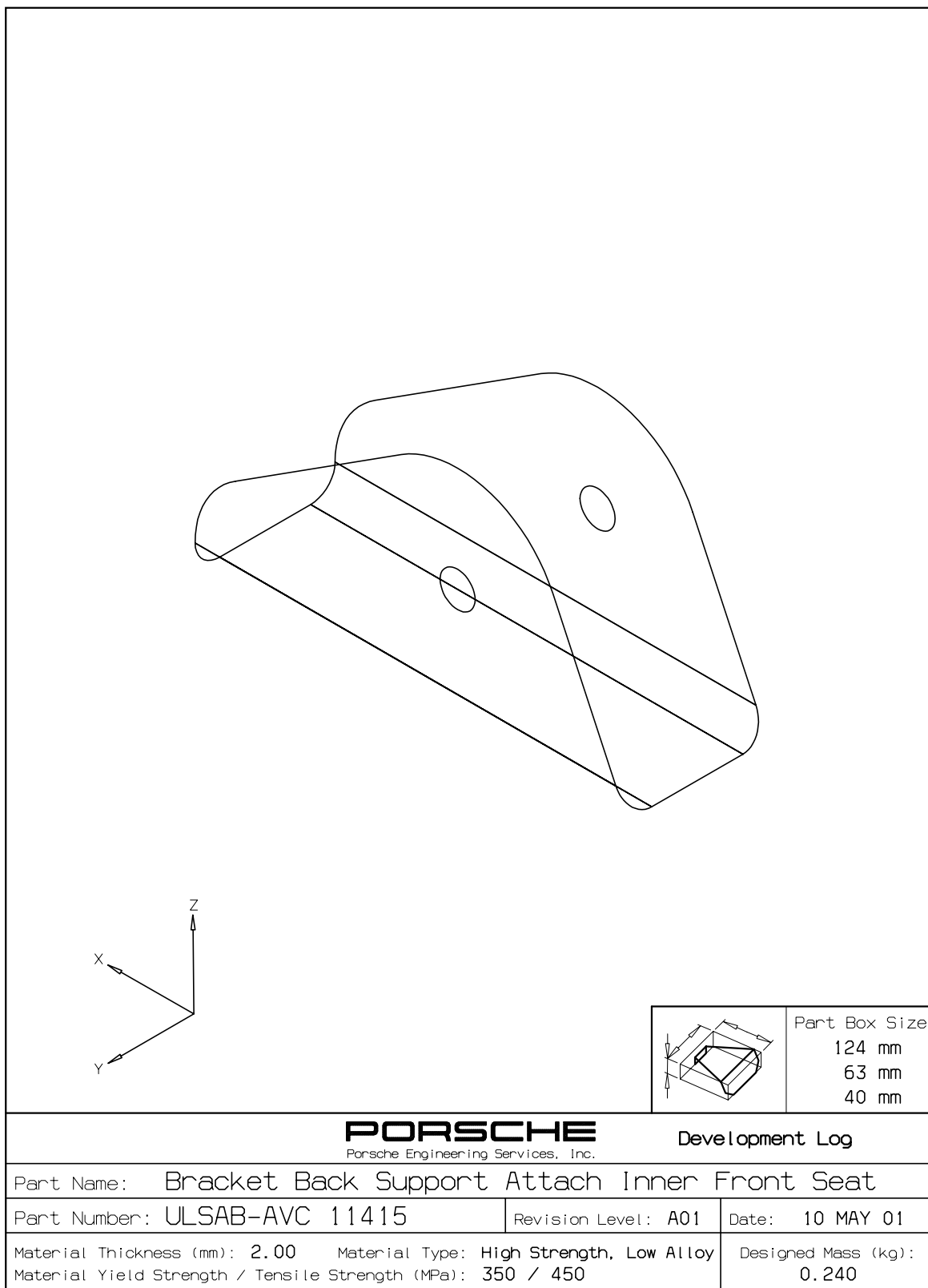
2.4.1.4 Parts Book Sheets - Front Seat Structure



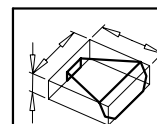
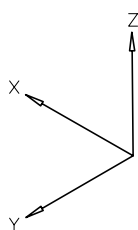
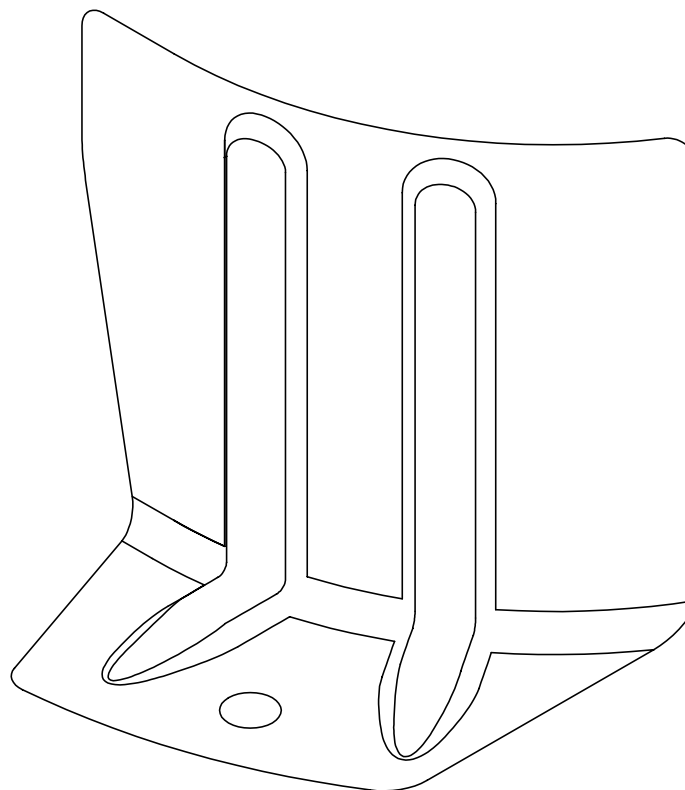
2.4.1.4 Parts Book Sheets - Front Seat Structure



2.4.1.4 Parts Book Sheets - Front Seat Structure



2.4.1.4 Parts Book Sheets - Front Seat Structure



Part Box Size
108 mm
106 mm
55 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Bracket Seat Attachment Outer Front Seat RH

Part Number: ULSAB-AVC 11416

Revision Level: A01

Date: 10 MAY 01

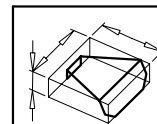
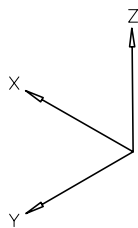
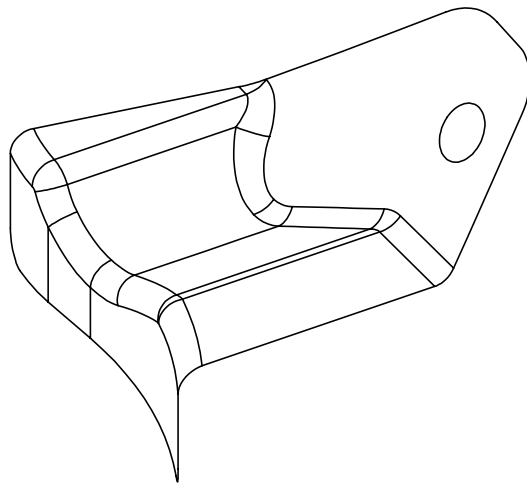
Material Thickness (mm): 2.00 Material Type: High Strength, Low Alloy

Material Yield Strength / Tensile Strength (MPa): 350 / 450

Designed Mass (kg):

0.260

2.4.1.4 Parts Book Sheets - Front Seat Structure



Part Box Size
73 mm
71 mm
23 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Bracket Seat Attachment Inner Front Seat RH

Part Number: ULSAB-AVC 11418

Revision Level: A00

Date: 04 MAY 01

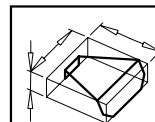
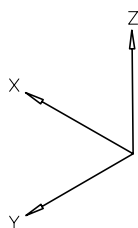
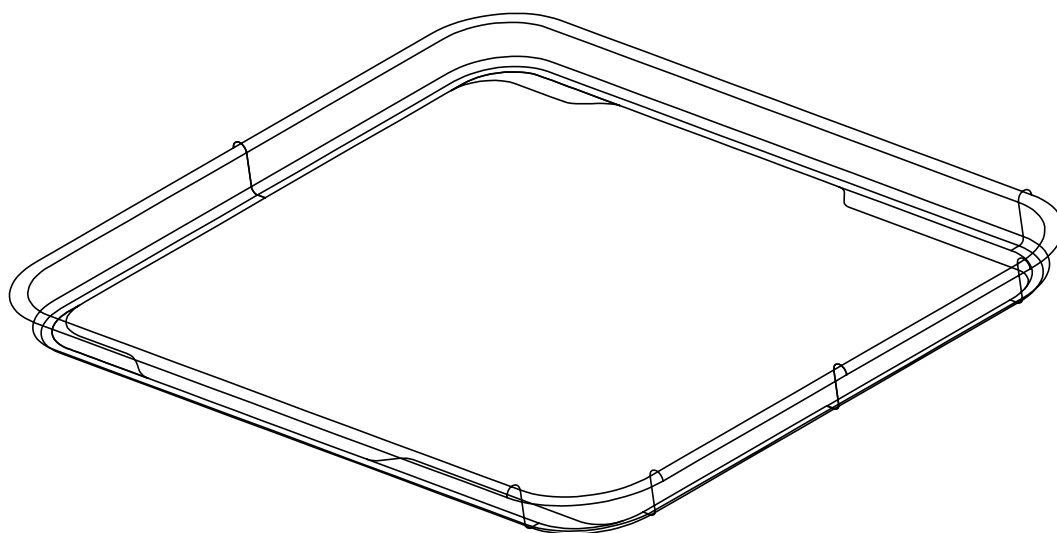
Material Thickness (mm): 2.00 Material Type: High Strength, Low Alloy

Material Yield Strength / Tensile Strength (MPa): 350 / 450

Designed Mass (kg):

0.100

2.4.1.4 Parts Book Sheets - Front Seat Structure



Part Box Size
475 mm
400 mm
30 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Frame Cushion Support Front Seat

Part Number: ULSAB-AVC 11420

Revision Level: A00

Date: 04 MAY 01

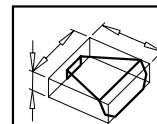
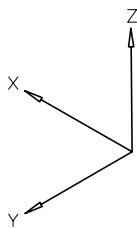
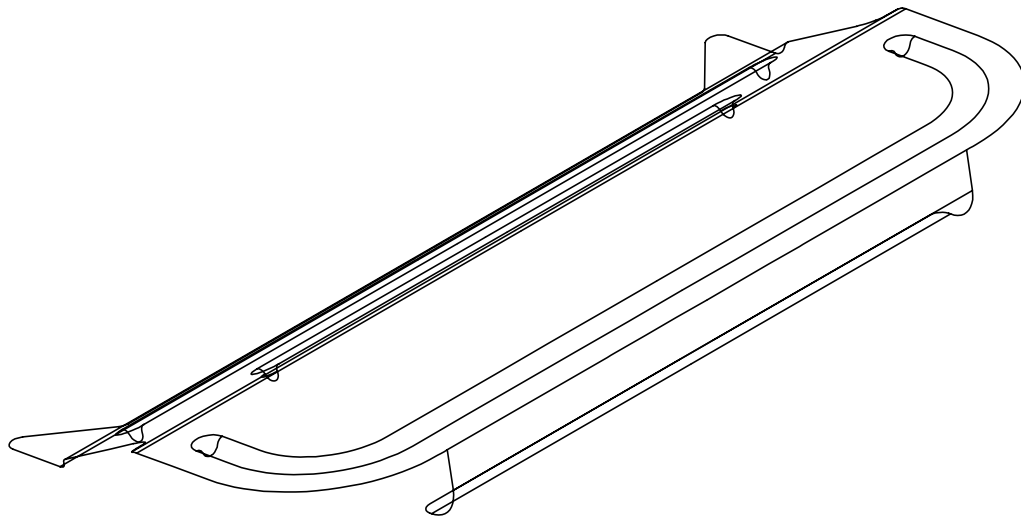
Material Thickness (mm): 1.00 Material Type: Mild Steel

Material Yield Strength / Tensile Strength (MPa): 140 / 270

Designed Mass (kg):

0.660

2.4.1.4 Parts Book Sheets - Front Seat Structure



Part Box Size
400 mm
187 mm
32 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Reinforcement Cushion Support Front Seat

Part Number: ULSAB-AVC 11421

Revision Level: A00

Date: 04 MAY 01

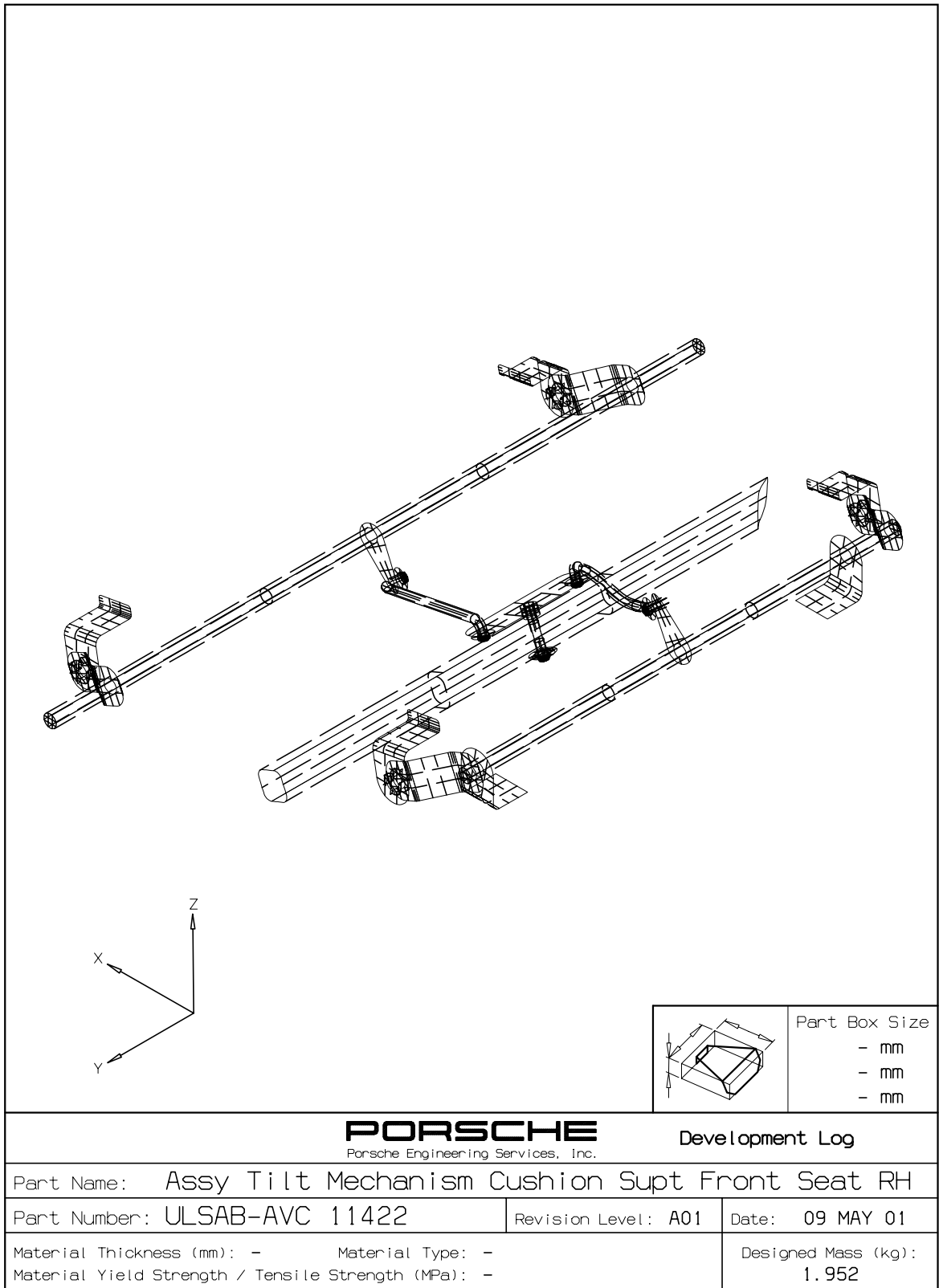
Material Thickness (mm): 1.00 Material Type: Mild Steel

Material Yield Strength / Tensile Strength (MPa): 140 / 270

Designed Mass (kg):

0.650

2.4.1.4 Parts Book Sheets - Front Seat Structure



2.4.2 Rear Seat Structure

2.4.2.1 Parts List

2.4.2.1 Parts List - Rear Seat Structure



ULSAB-AVC - Rear Seat

Number	Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
							Yield Strength	Tensile Strength		C-Class	PNGV-Class
AVC 1 1424	Assy Seat Support 60% Rear Seat	A00	30-May-01		Ø 4.00	Mild	140	270	ROD	0.745	0.745
AVC 1 1425	Assy Seat Support 40% Rear Seat	A00	30-May-01		Ø 4.00	Mild	140	270	ROD	0.531	0.531
AVC 1 1426	Bracket Seat Support Attach Rear Seat (x4)	A00	30-May-01		1.50	Mild	140	270	S	0.045	0.045
AVC 1 1427	Bracket Back Supt Inner Floor Attach Rr Seat	A00	30-May-01		2.00	HSLA	350	450	S	0.300	0.300
AVC 1 1428	Brkt Back Supt Outer Floor Atach Rr Seat RH	A00	30-May-01		2.00	HSLA	350	450	S	0.280	0.280
AVC 1 1429	Brkt Back Supt Outer Floor Atach Rr Seat LH	A00	30-May-01		2.00	HSLA	350	450	S	0.280	0.280
AVC 1 1430	Back Support 60% Rear Seat	A00	30-May-01		0.80	DP	350	600	S	3.136	3.136
AVC 1 1431	Back Support 40% Rear Seat	A00	30-May-01		0.80	DP	350	600	S	1.984	1.984
AVC 1 1432	Reinf Back Support Outer Rear Seat RH	A00	30-May-01		1.00	HSLA	350	450	S	0.380	0.380
AVC 1 1433	Reinf Back Support Outer Rear Seat LH	A00	30-May-01		1.00	HSLA	350	450	S	0.380	0.380
AVC 1 1434	Reinf Back Support Inner Rear Seat RH	A00	30-May-01		1.00	HSLA	350	450	S	0.380	0.380
AVC 1 1435	Reinf Back Support Inner Rear Seat LH	A00	30-May-01		1.00	HSLA	350	450	S	0.380	0.380
AVC 1 1436	Bracket Head Support Attach 60% Rear Seat	A00	30-May-01		1.00	HSLA	350	450	S	0.950	0.950
AVC 1 1437	Bracket Head Support Attach 40% Rear Seat	A00	30-May-01		1.00	HSLA	350	450	S	0.380	0.380
TOTAL										10.151	10.151

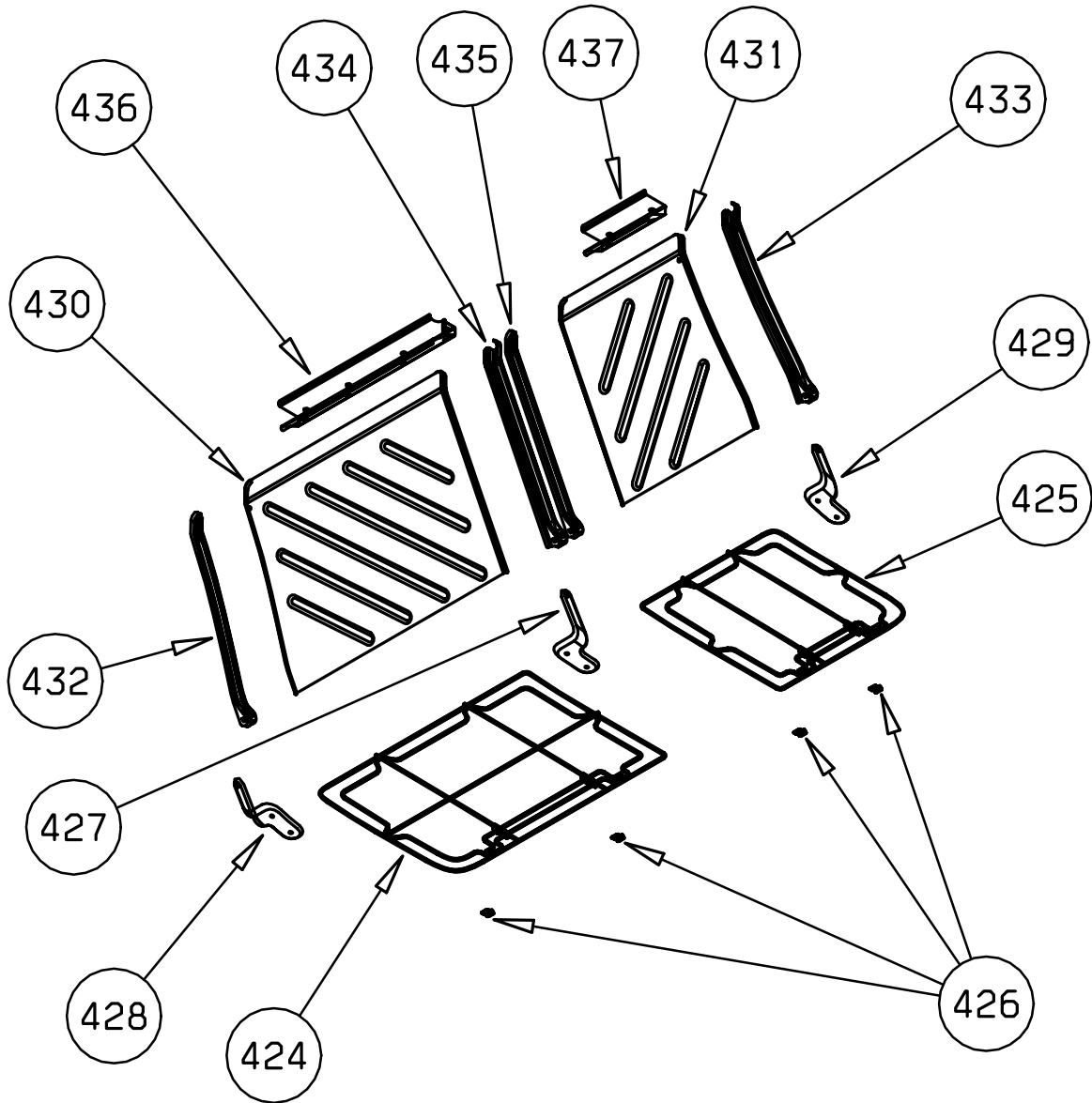
Code	Manufacturing Process
S	Stamped
ST	Straight or Shaped Tube
ROD	Straight or Shaped Rod

* denotes tube

Code	Steel Types
DP	Dual Phase
HSLA	High Strength, Low Alloy
Mart	Martensitic
Mild	Mild Steel
TRIP	Transformation-Induced Plasticity

2.4.2.2 Exploded View

2.4.2.2 Exploded View - Rear Seat Structure



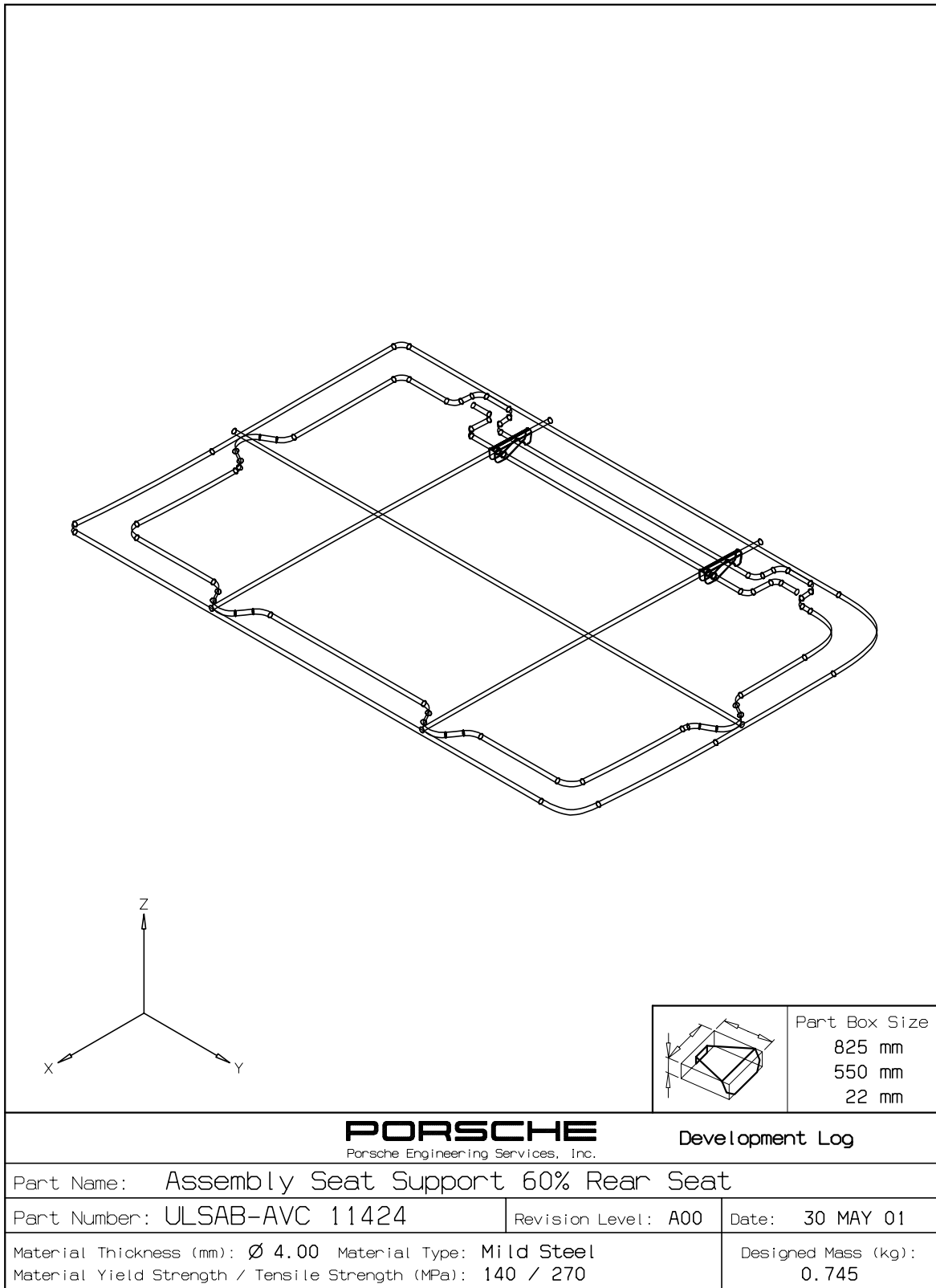
2.4.2.3 Parts Book Index

2.4.2.3 Parts Book Index - Rear Seat Structure

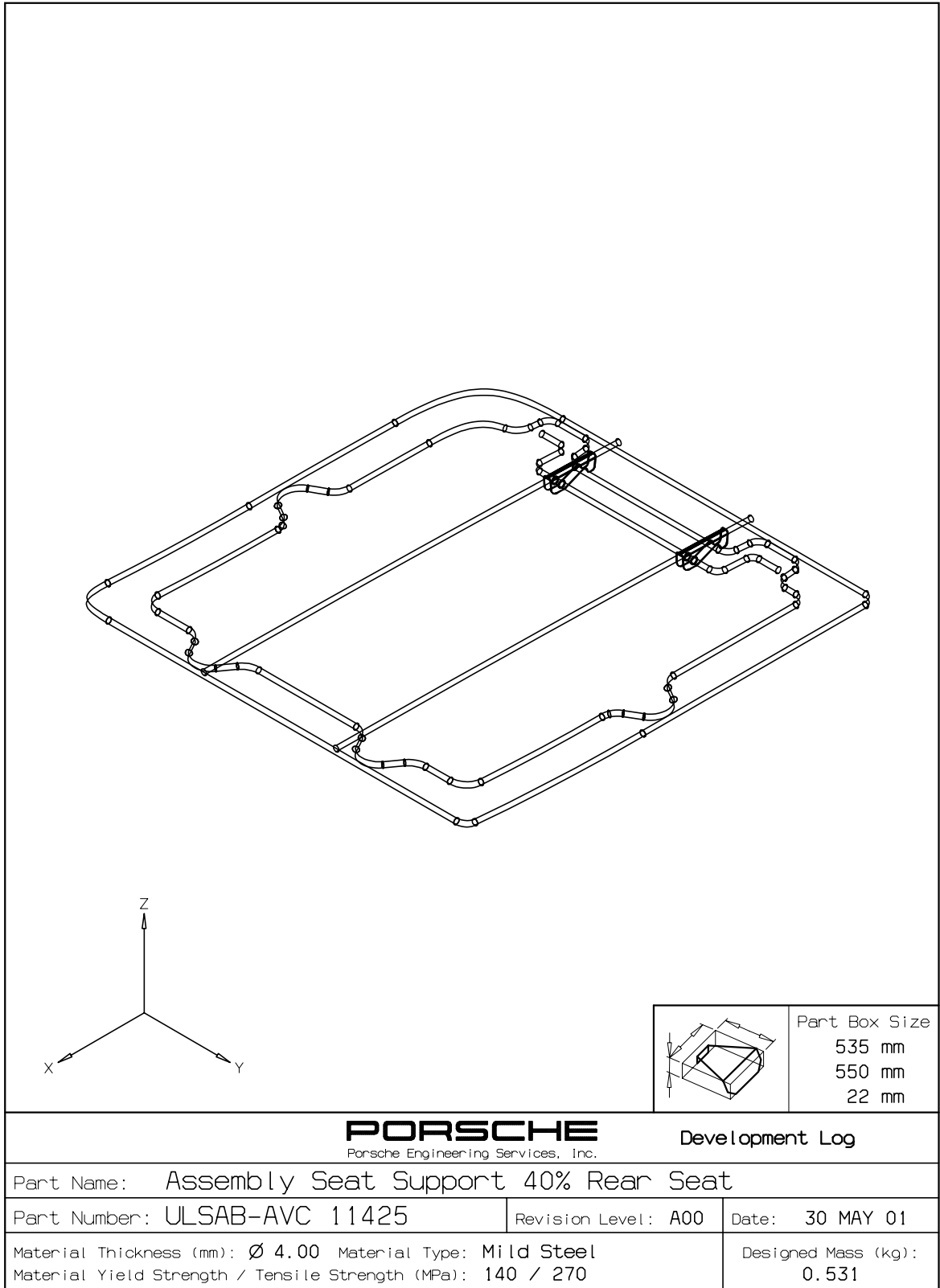
Part Number	Part Name	Revision	Date
AVC 1 1424	Assy Seat Support 60% Rear Seat	A00	30-May-01
AVC 1 1425	Assy Seat Support 40% Rear Seat	A00	30-May-01
AVC 1 1426	Bracket Seat Support Attach Rear Seat (x4)	A00	30-May-01
AVC 1 1427	Bracket Back Supt Inner Floor Attach Rr Seat	A00	30-May-01
AVC 1 1428	Brkt Back Supt Outer Floor Atach Rr Seat RH	A00	30-May-01
AVC 1 1430	Back Support 60% Rear Seat	A00	30-May-01
AVC 1 1431	Back Support 40% Rear Seat	A00	30-May-01
AVC 1 1432	Reinf Back Support Outer Rear Seat RH	A00	30-May-01
AVC 1 1434	Reinf Back Support Inner Rear Seat RH	A00	30-May-01
AVC 1 1436	Bracket Head Support Attach 60% Rear Seat	A00	30-May-01
AVC 1 1437	Bracket Head Support Attach 40% Rear Seat	A00	30-May-01

2.4.2.4 Parts Book Sheets

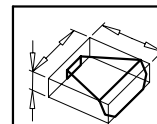
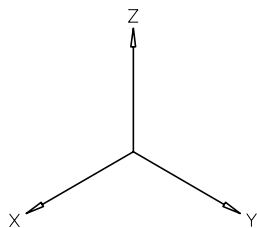
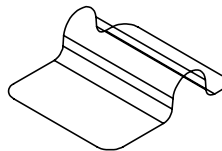
2.4.2.4 Parts Book Sheets - Rear Seat Structure



2.4.2.4 Parts Book Sheets - Rear Seat Structure



2.4.2.4 Parts Book Sheets - Rear Seat Structure



Part Box Size
25 mm
28 mm
9 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Bracket Seat Support Attachment Rear Seat

Part Number: ULSAB-AVC 11426

Revision Level: A00

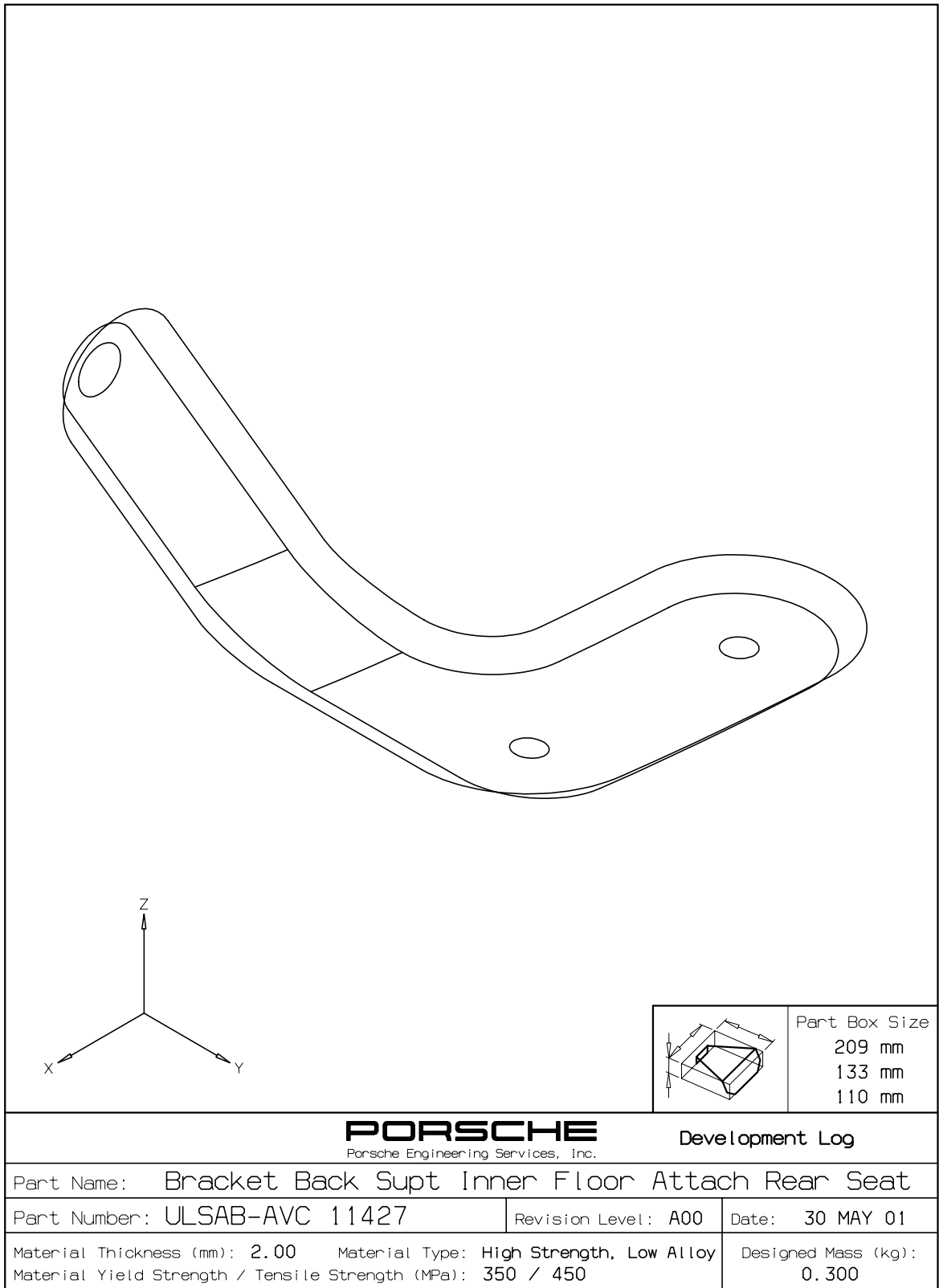
Date: 30 MAY 01

Material Thickness (mm): 1.50 Material Type: Mild Steel

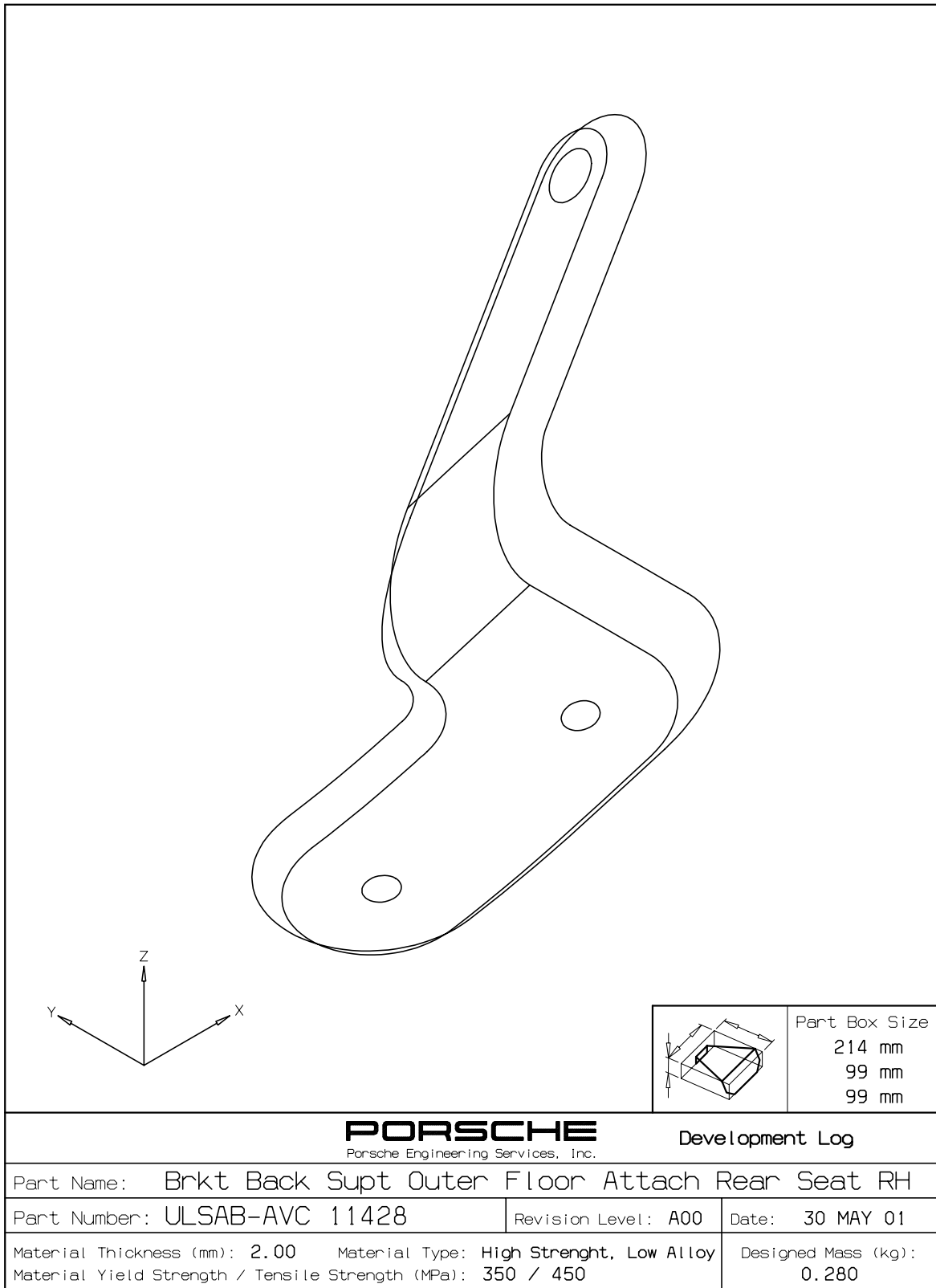
Material Yield Strength / Tensile Strength (MPa): 140 / 270

Designed Mass (kg):
0.011

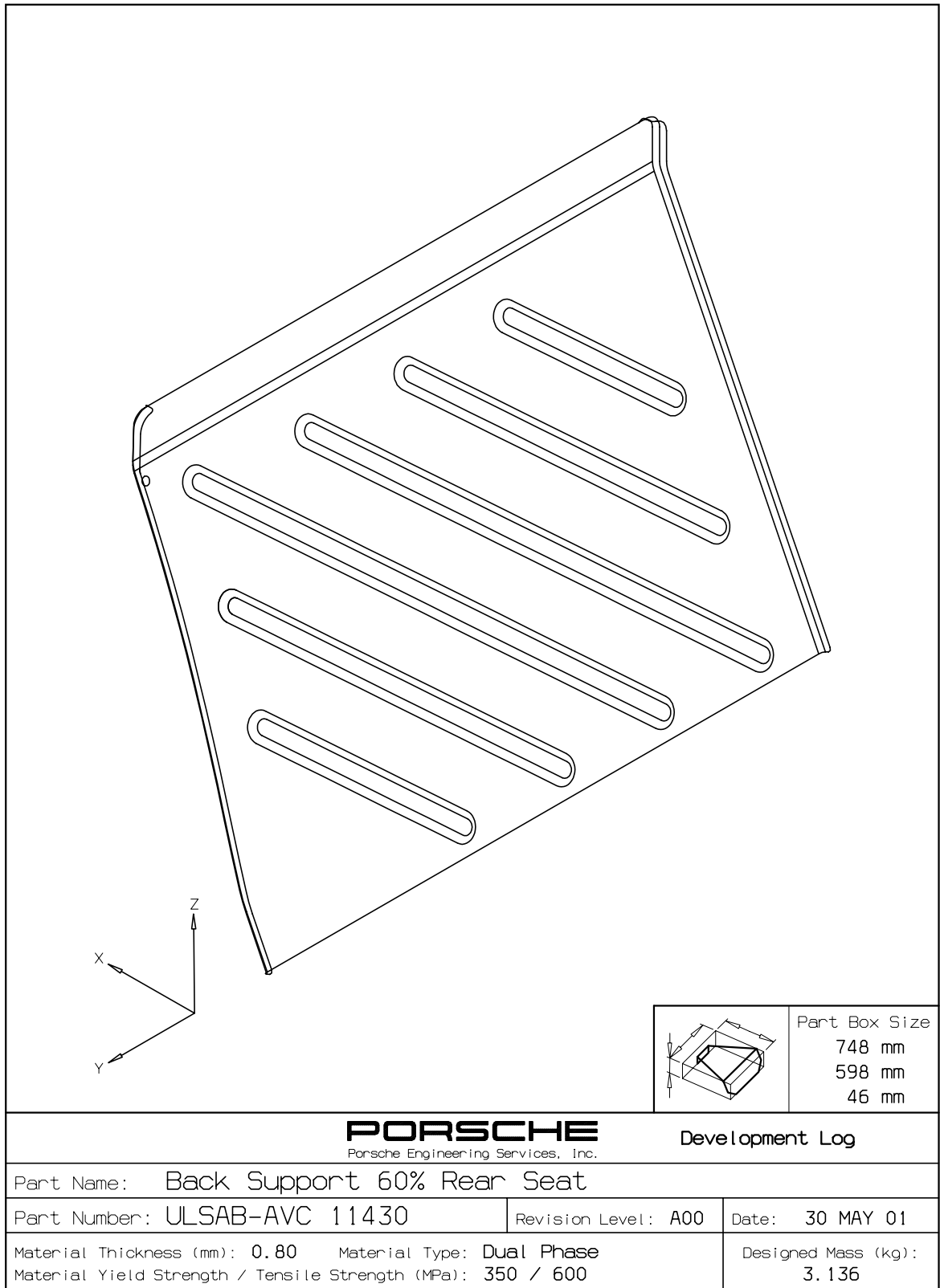
2.4.2.4 Parts Book Sheets - Rear Seat Structure



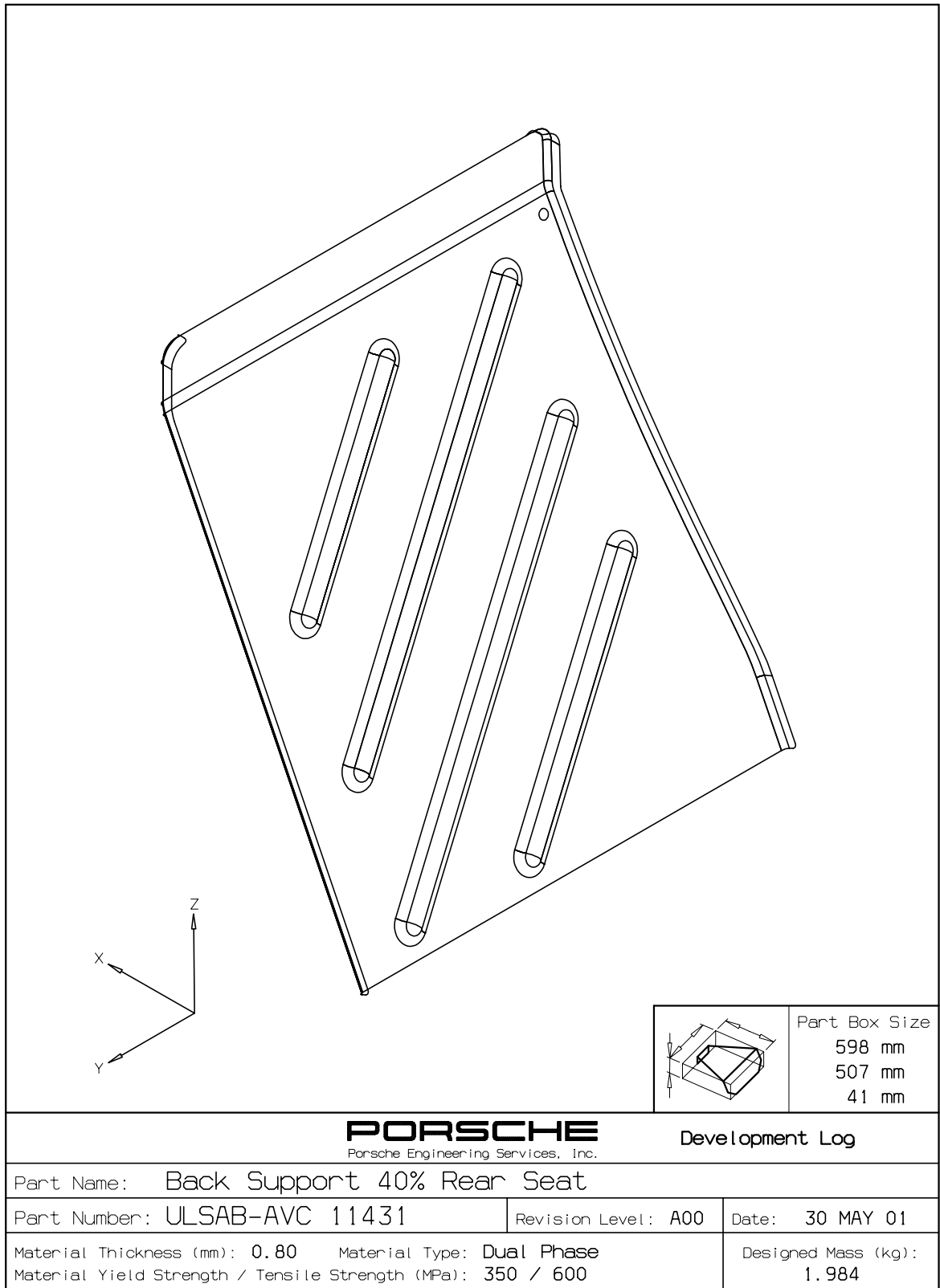
2.4.2.4 Parts Book Sheets - Rear Seat Structure



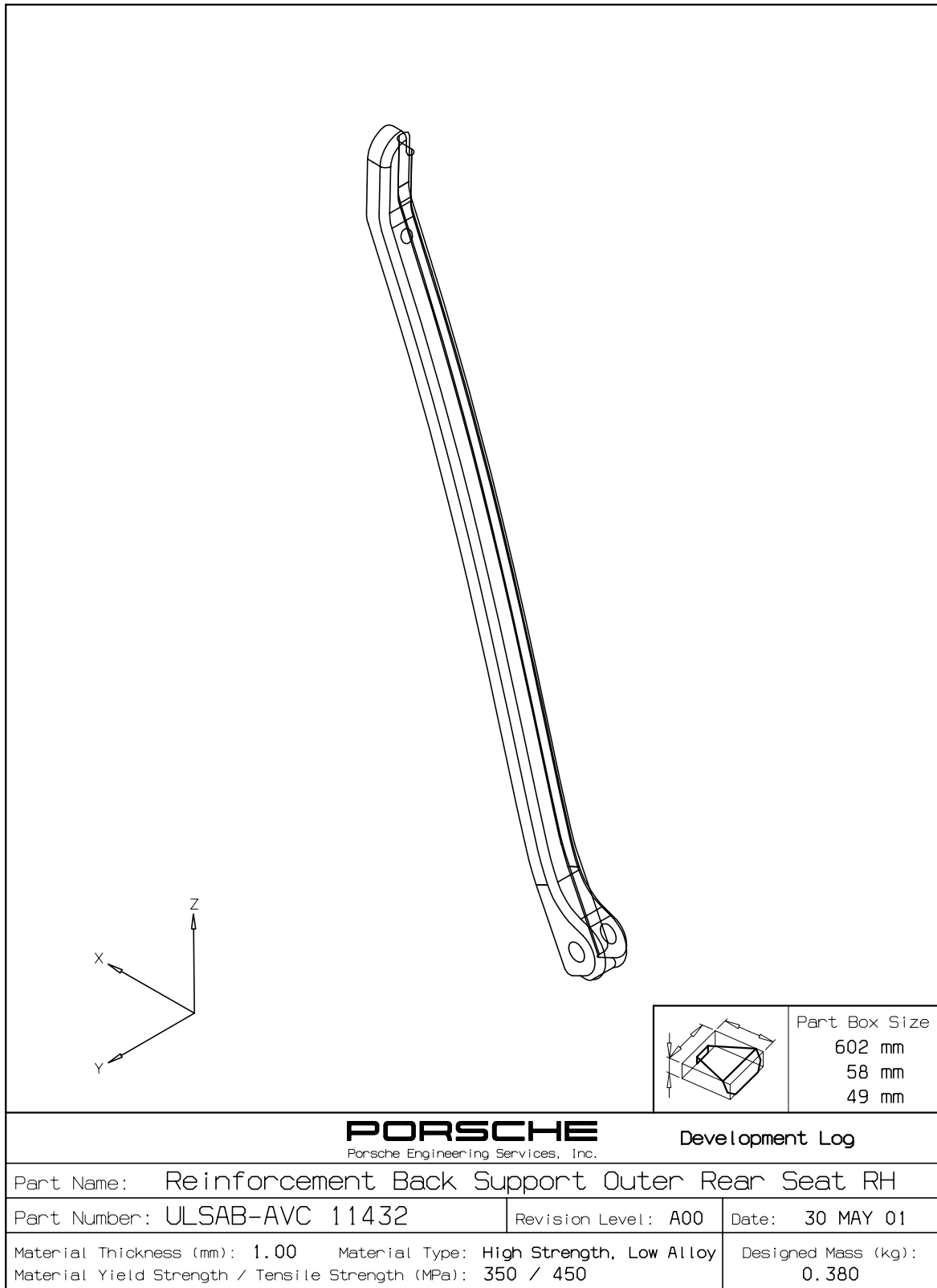
2.4.2.4 Parts Book Sheets - Rear Seat Structure



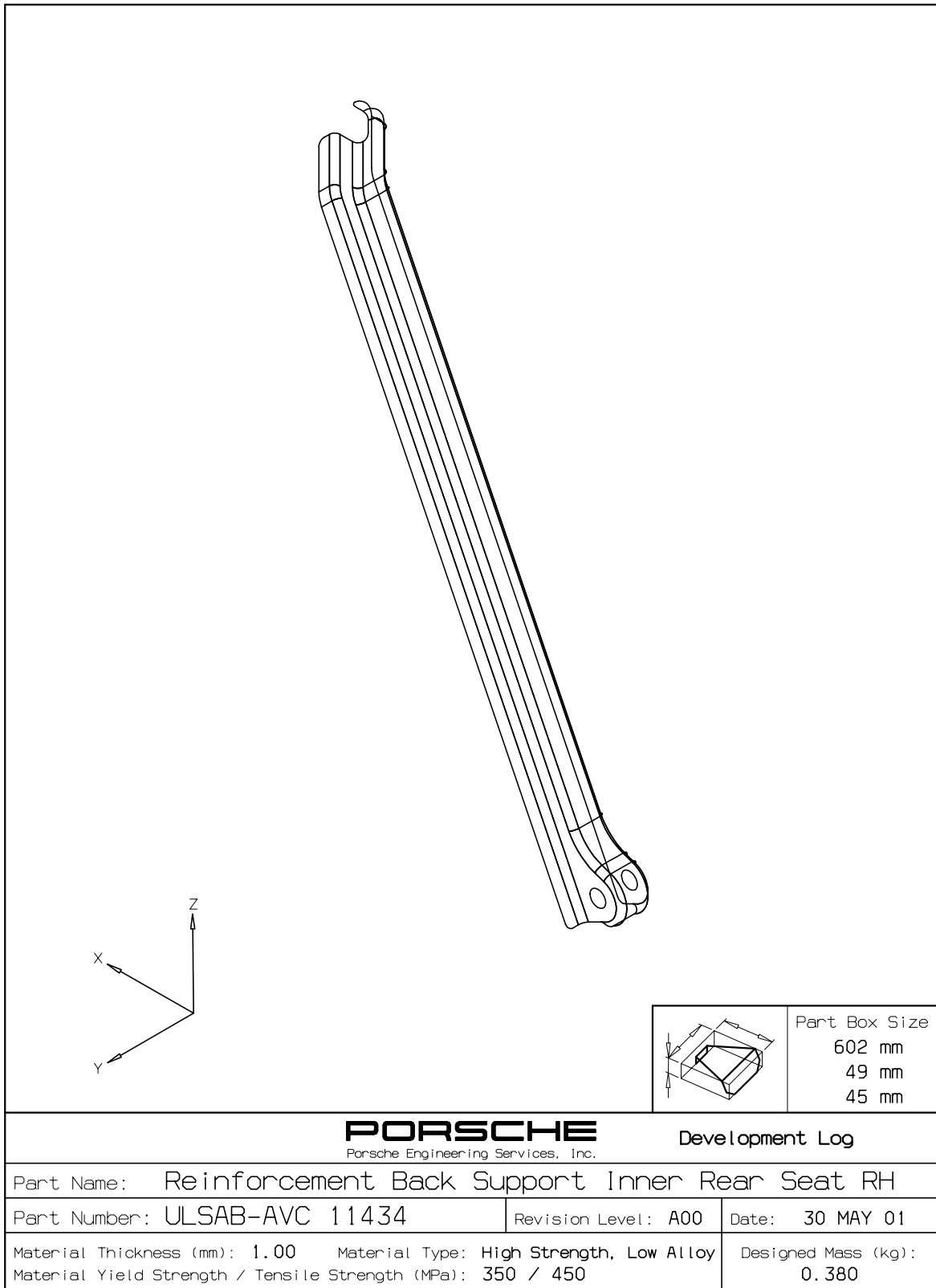
2.4.2.4 Parts Book Sheets - Rear Seat Structure



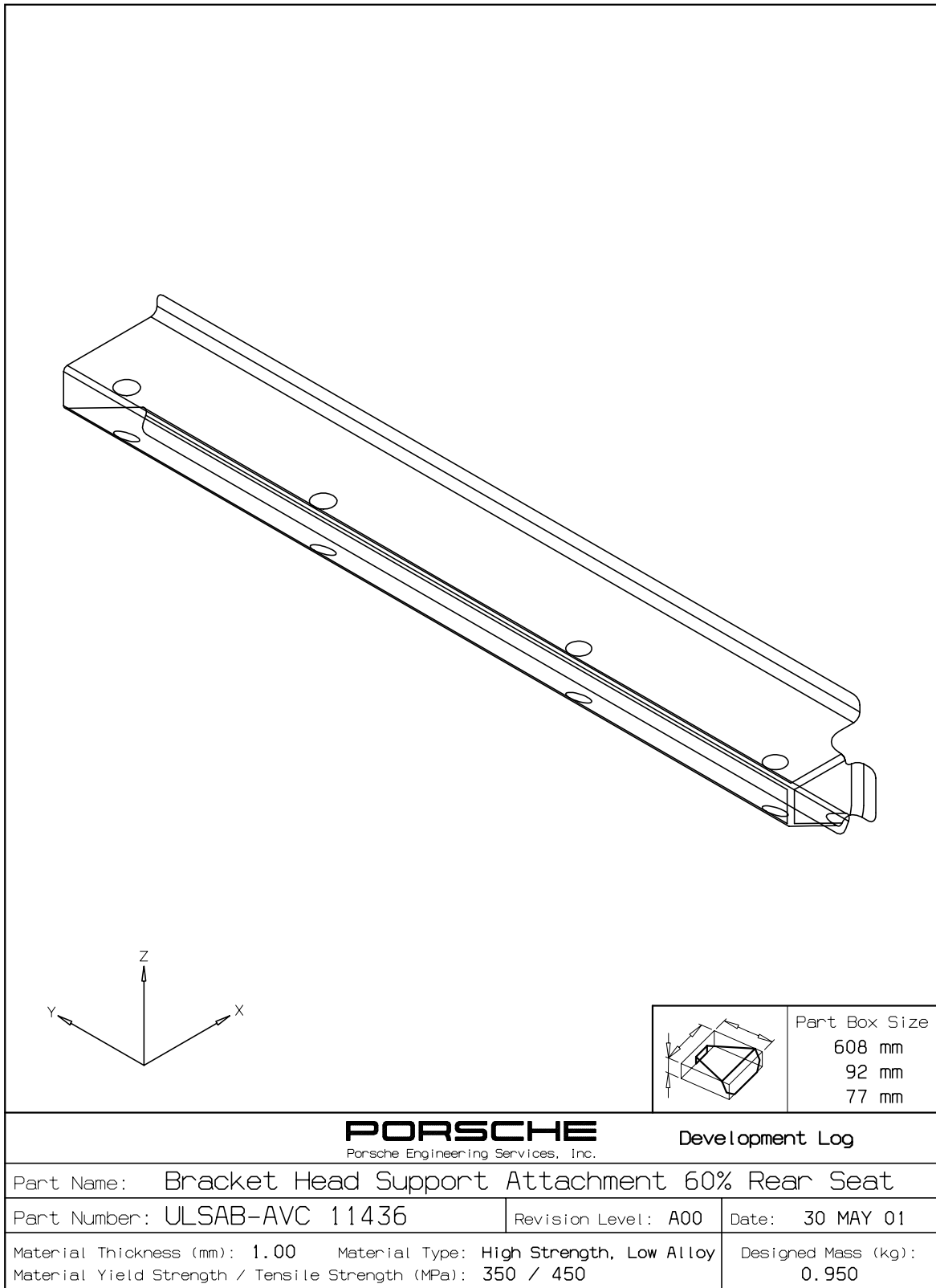
2.4.2.4 Parts Book Sheets - Rear Seat Structure



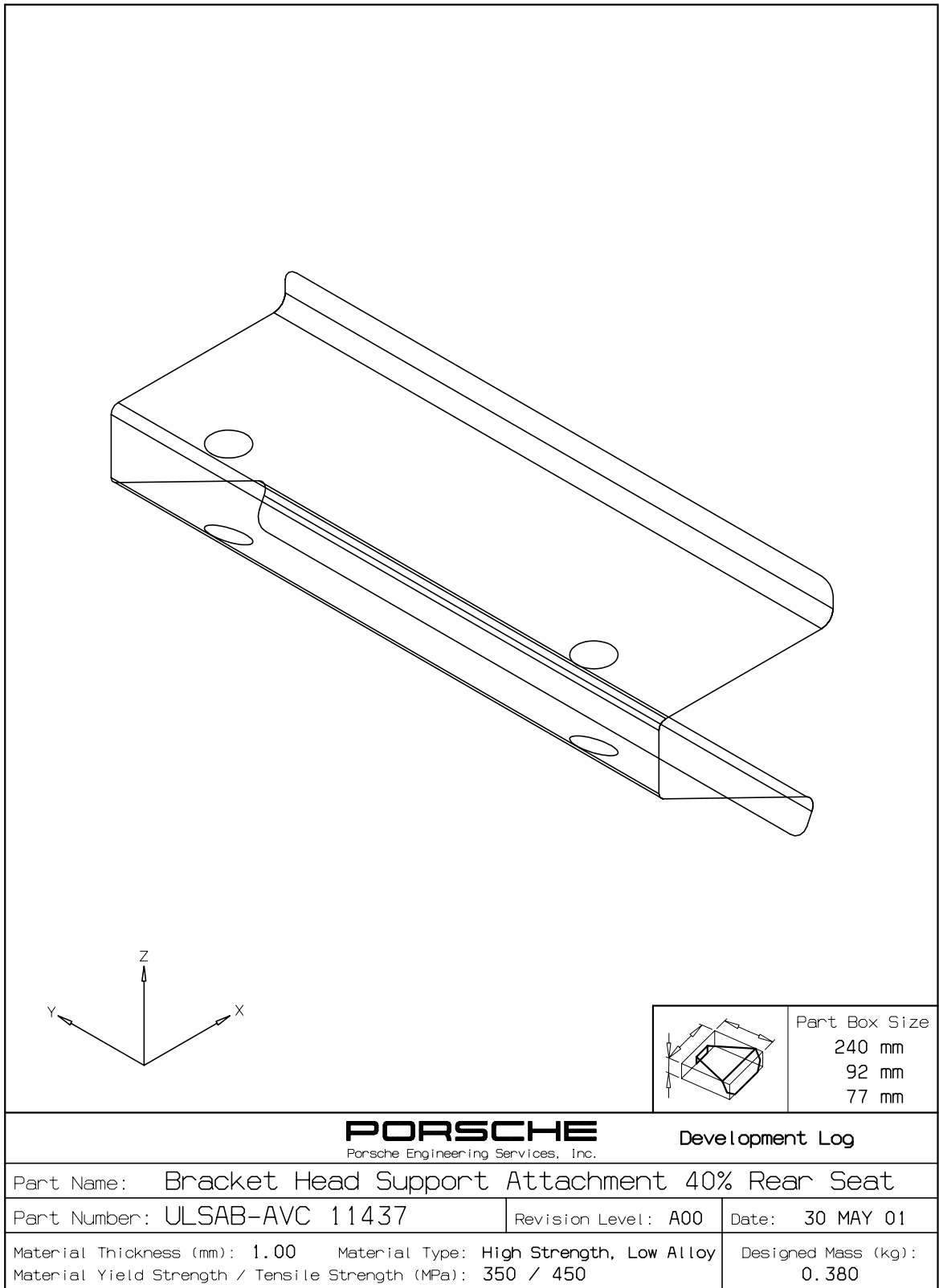
2.4.2.4 Parts Book Sheets - Rear Seat Structure



2.4.2.4 Parts Book Sheets - Rear Seat Structure



2.4.2.4 Parts Book Sheets - Rear Seat Structure



2.4.3 Instrument Panel Structure

2.4.3.1 Parts List

2.4.3.1 Parts List - Instrument Panel Structure



ULSAB-ABC Instrument Panel Structure Parts List

Revision Level: A05 Date 30 JULY 01

Number	Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
							Yield Strength	Tensile Strength		C-Class	PNGV-Class
AVC 1 1302	Bracket Steering Column Attachment	A02	22-Mar-01		2.50	Mild	140	270	S	1.775	1.775
AVC 1 1303	Crossmember Instrument Panel	A01	20-Mar-01		2.00	DP *	350	600	ST	3.260	3.260
AVC 1 1304	Bracket C-Member Inst Panel Support RH	A00	27-Feb-01		2.00	Mild	140	270	S	0.220	0.220
AVC 1 1305	Bracket C-Member Inst Panel Support LH	A00	27-Feb-01		2.00	Mild	140	270	S	0.220	0.220
AVC 1 1306	Brace C-Member Inst Panel Support (x2)	A00	28-Feb-01		2.00	Mild *	140	270	ST	0.720	0.720
AVC 1 1307	Plate C-Member Inst Panel Attachment (x2)	A01	20-Mar-01		2.00	Mild	140	270	S	0.120	0.120
TOTAL										6.315	6.315

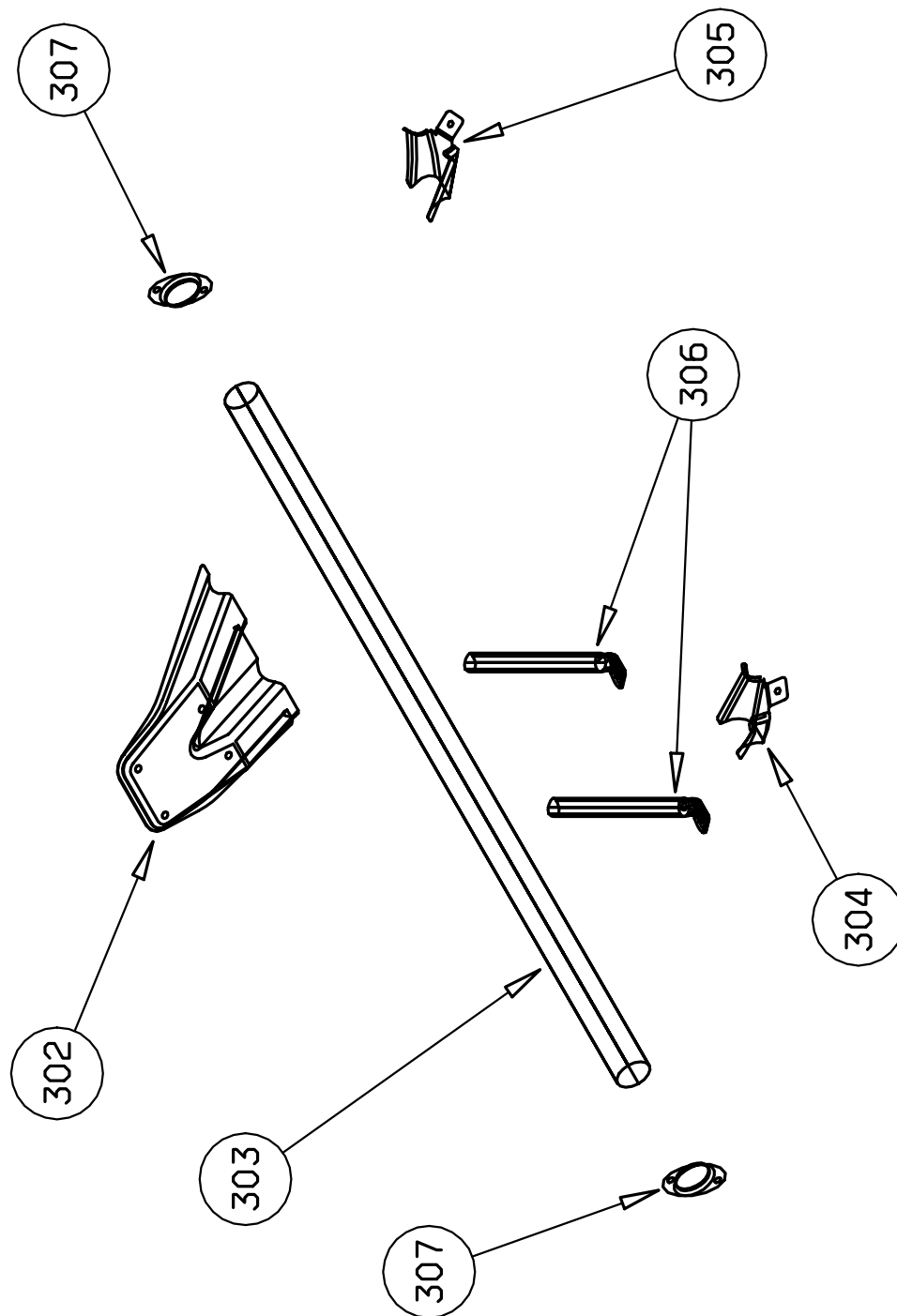
Code	Manufacturing Process
S	Stamped
ST	Straight or Shaped Tube

* denotes tube

Code	Steel Types
DP	Dual Phase
Mild	Mild Steel

2.4.3.2 Exploded View

2.4.3.2 Exploded View - Instrument Panel Structure



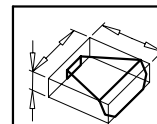
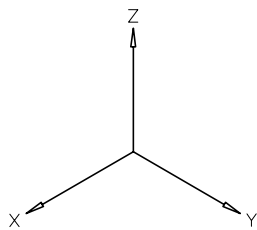
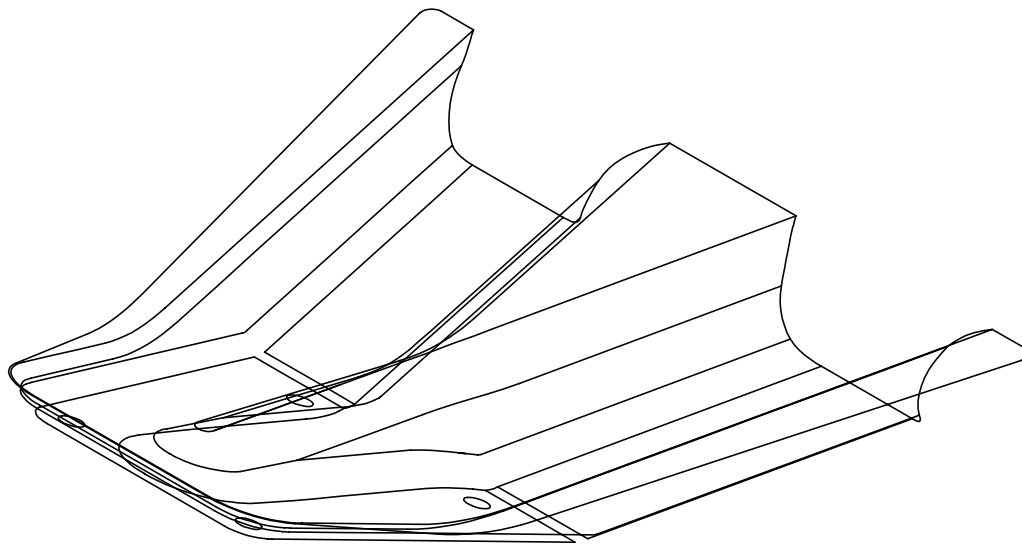
2.4.3.3 Parts Book Index

2.4.3.3 Parts Book Index - Instrument Panel Structure

Part Number	Part Name	Revision	Date
AVC 1 1302	Bracket Steering Column Attachment	A02	22-Mar-01
AVC 1 1303	Crossmember Instrument Panel	A01	20-Mar-01
AVC 1 1304	Bracket C-Member Inst Panel Support RH	A00	27-Feb-01
AVC 1 1306	Brace C-Member Inst Panel Support (x2)	A00	28-Feb-01
AVC 1 1307	Plate C-Member Inst Panel Attachment (x2)	A01	20-Mar-01

2.4.3.4 Parts Book Sheets

2.4.3.4 Parts Book Sheets - Instrument Panel Structure



Part Box Size
314 mm
306 mm
60 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Bracket Steering Column Attachment

Part Number: ULSAB-AVC 11302

Revision Level: A02

Date: 22 MAR 01

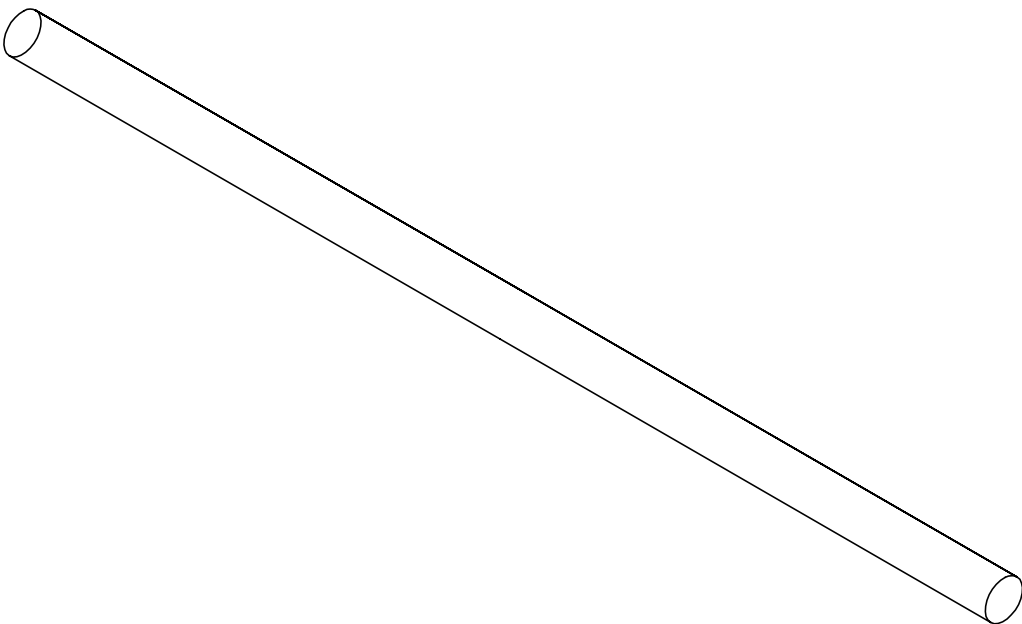
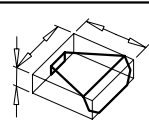
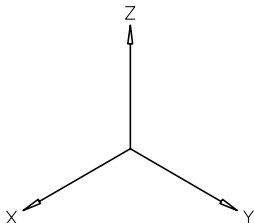
Material Thickness (mm): 2.50 Material Type: Mild Steel

Material Yield Strength / Tensile Strength (MPa): 140 / 270

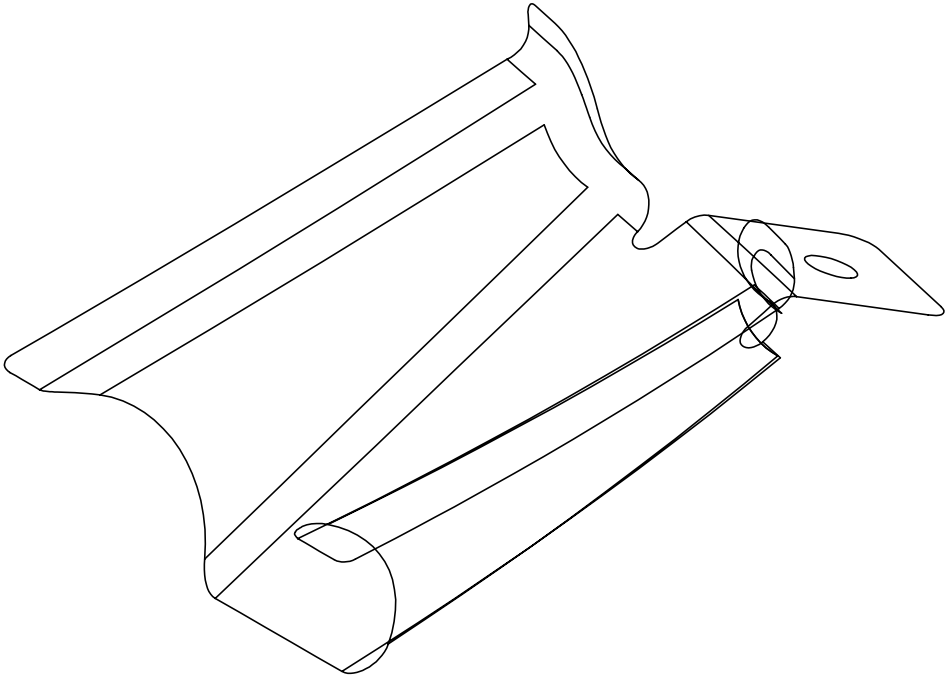
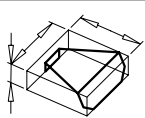
Designed Mass (kg):

1.775

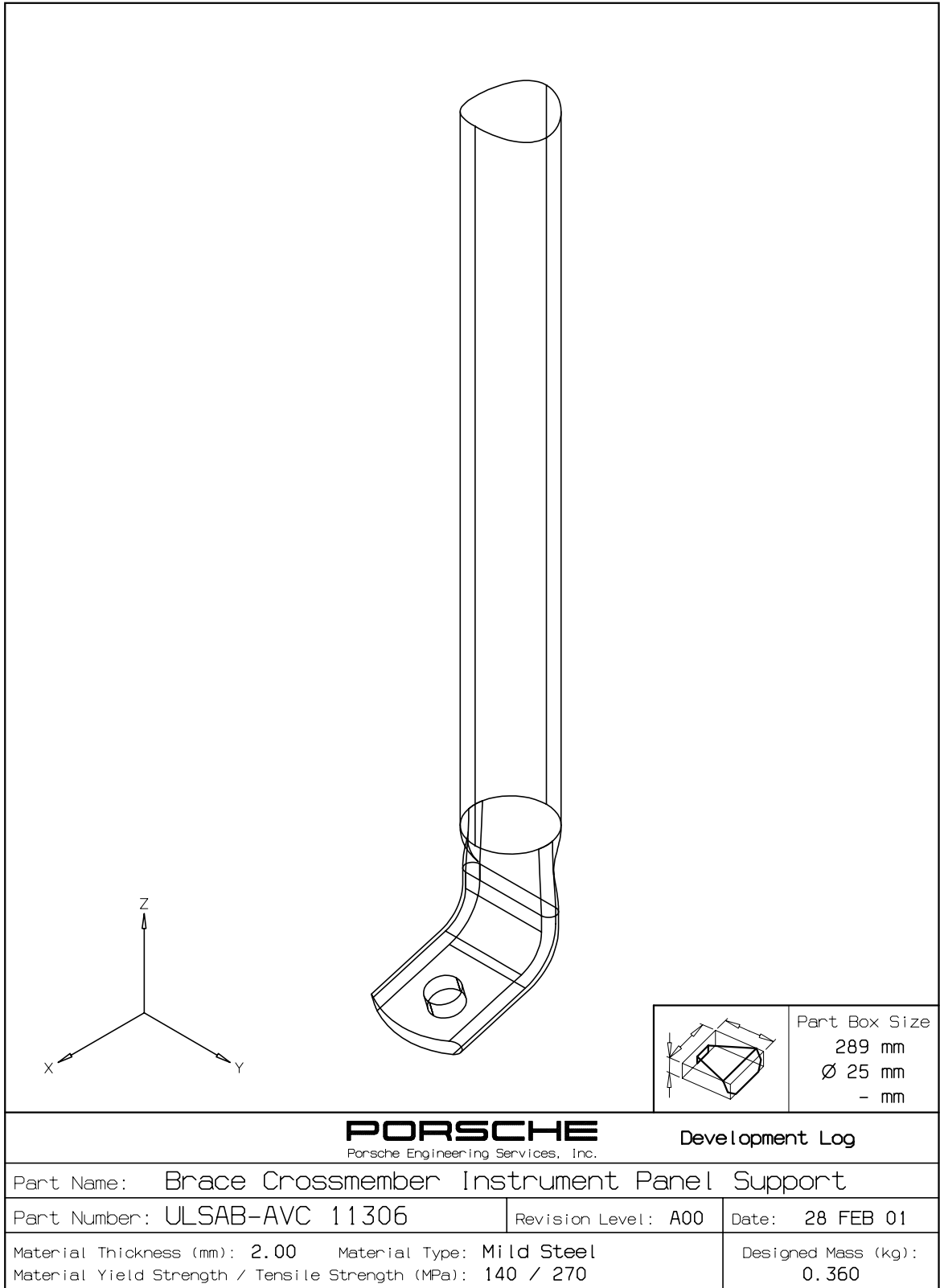
2.4.3.4 Parts Book Sheets - Instrument Panel Structure

						Part Box Size 1320 mm Ø 50 mm - mm		
			<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> PORSCHE <small>Porsche Engineering Services, Inc.</small> </div> <div>Development Log</div> </div>					
Part Name: Crossmember Instrument Panel								
Part Number: ULSAB-AVC 11303				Revision Level: A01		Date: 20 MAR 01		
Material Thickness (mm): 2.00 Material Type: Dual Phase Material Yield Strength / Tensile Strength (MPa): 350 / 600						Designed Mass (kg): 3.260		

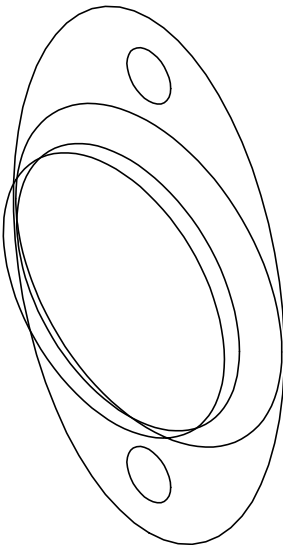
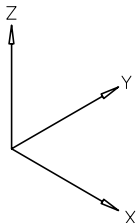
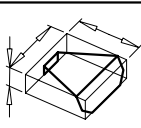
2.4.3.4 Parts Book Sheets - Instrument Panel Structure

				Part Box Size 125 mm 102 mm 76 mm
PORSCHE Porsche Engineering Services, Inc.			Development Log	
Part Name: Bracket C-Member Instrument Panel Support RH				
Part Number: ULSAB-AVC 11304		Revision Level: A00	Date: 27 FEB 01	
Material Thickness (mm): 2.00 Material Type: Mild Steel Material Yield Strength / Tensile Strength (MPa): 140 / 270			Designed Mass (kg): 0.220	

2.4.3.4 Parts Book Sheets - Instrument Panel Structure



2.4.3.4 Parts Book Sheets - Instrument Panel Structure

		
		
		Part Box Size 1323 mm 102 mm 62 mm
PORSCHE Porsche Engineering Services, Inc.		
Development Log		
Part Name: Plate Crossmember Instrument Panel Attachment		
Part Number: ULSAB-AVC 11307	Revision Level: A01	Date: 20 MAR 01
Material Thickness (mm): 2.00 Material Type: Mild Steel Material Yield Strength / Tensile Strength (MPa): 140 / 270		Designed Mass (kg): 0.060

2.4.4 Bumper Beam Structure

2.4.4.1 Parts List

2.4.4.1 Parts List - Bumper Beam Structure



ULSAB-AVC Bumper Beam Structure Parts List

Revision Level: A02 Date: 22 MAR 01

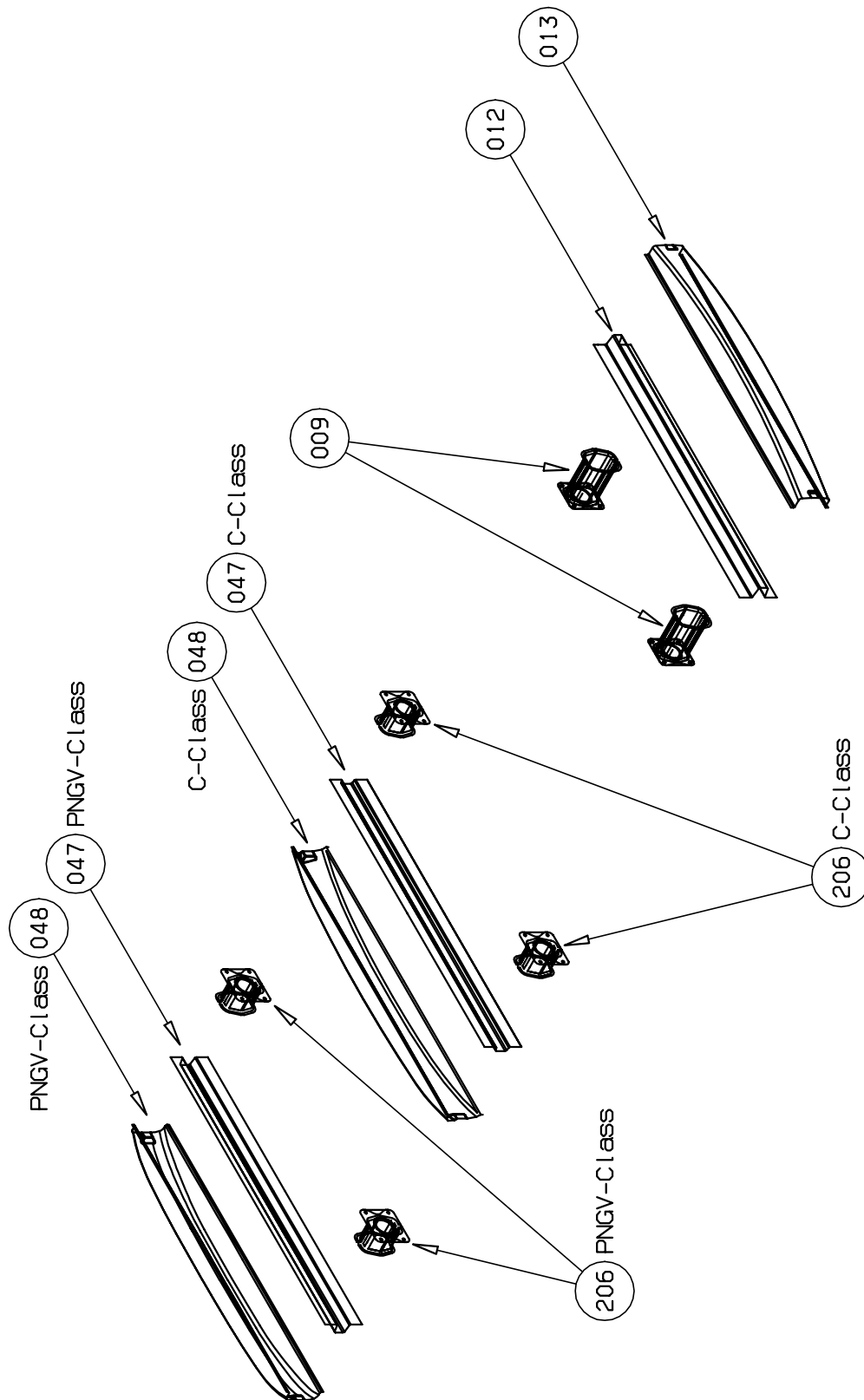
Number	Name	Revision Level	Date	Blank No.	Gage (mm)	Material Type	Grade (MPa)		Manuf. Process Code	Designed Mass (kg)	
							Yield Strength	Tensile Strength		C-Class	PNGV-Class
AVC 1 1009	Assy Crash Box Bumper Front (x2)	D01	31-Oct-00		1.10	DP	400	700	S	1.408	1.408
AVC 1 1012	Bumper Beam Front Inner	E01	25-Jan-01		1.00	Mart	1250	1520	RF	1.940	1.940
AVC 1 1013	Bumper Beam Front Outer	F01	25-Jan-01		1.00	Mart	1250	1520	S	2.640	2.640
AVC 1 1206	Assy Crash Box Bumper Rear (x2)	B02	24-Jan-01		1.00	HSLA	350	450	S	0.920	0.920
AVC 2 1047	Bumper Beam Rear Inner	F00	24-Jan-01		0.80	Mart	1250	1520	RF	1.312	
AVC 2 1048	Bumper Beam Rear Outer	G00	24-Jan-01		0.80	Mart	1250	1520	S	2.064	
AVC 3 1047	Bumper Beam Rear Inner	F00	24-Jan-01		0.80	Mart	1250	1520	RF		1.536
AVC 3 1048	Bumper Beam Rear Outer	G00	24-Jan-01		0.80	Mart	1250	1520	S		2.336
TOTAL										10.284	10.780

Code	Manufacturing Process
S	Stamped
RF	Roll Formed

Code	Steel Types
DP	Dual Phase
HSLA	High Strength, Low Alloy
Mart	Martensitic

2.4.4.2 Exploded View

2.4.4.2 Exploded View - Bumper Beam Structure



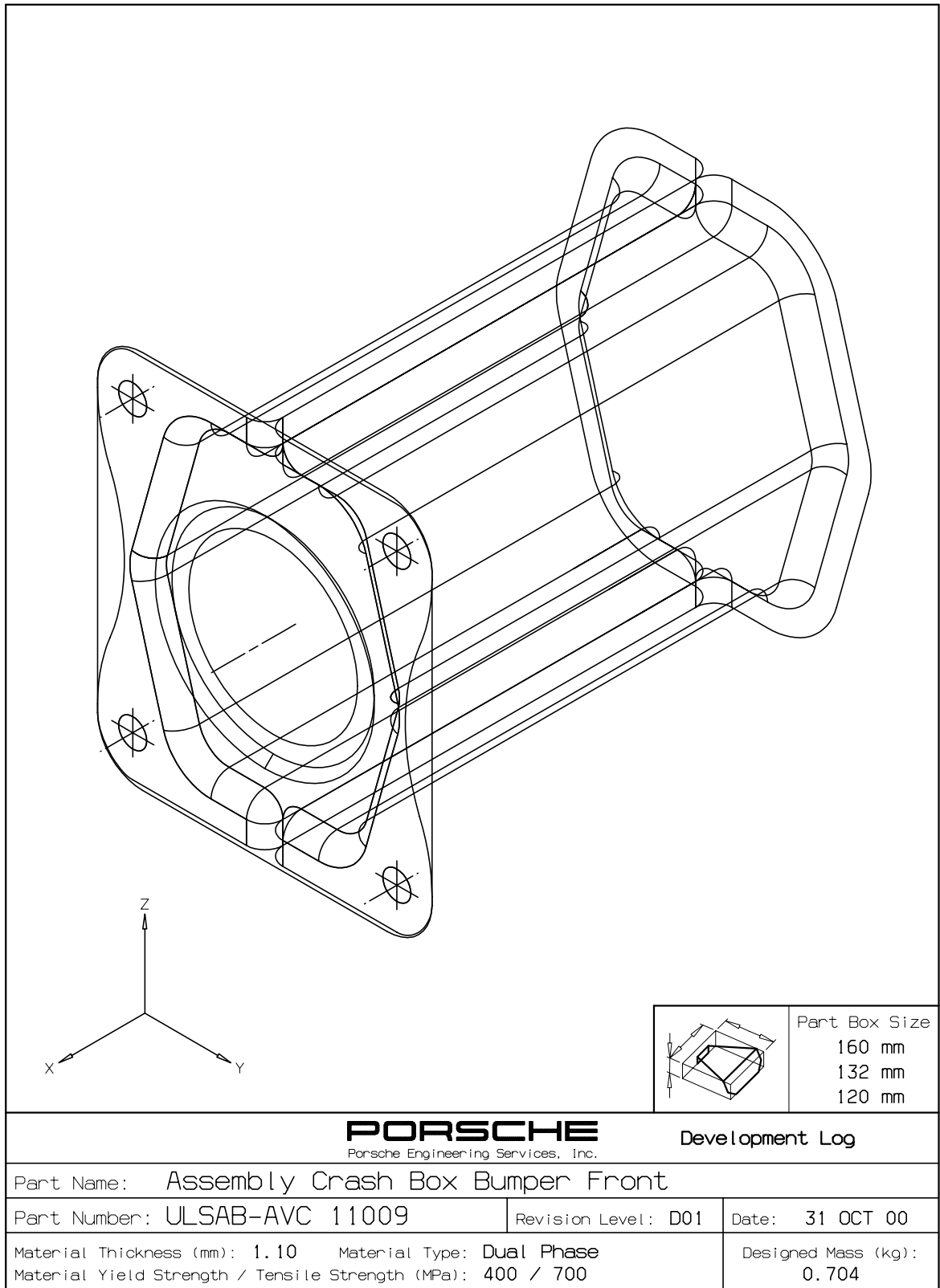
2.4.4.3 Parts Book Index

2.4.4.3 Parts Book Index - Bumper Beam Structure

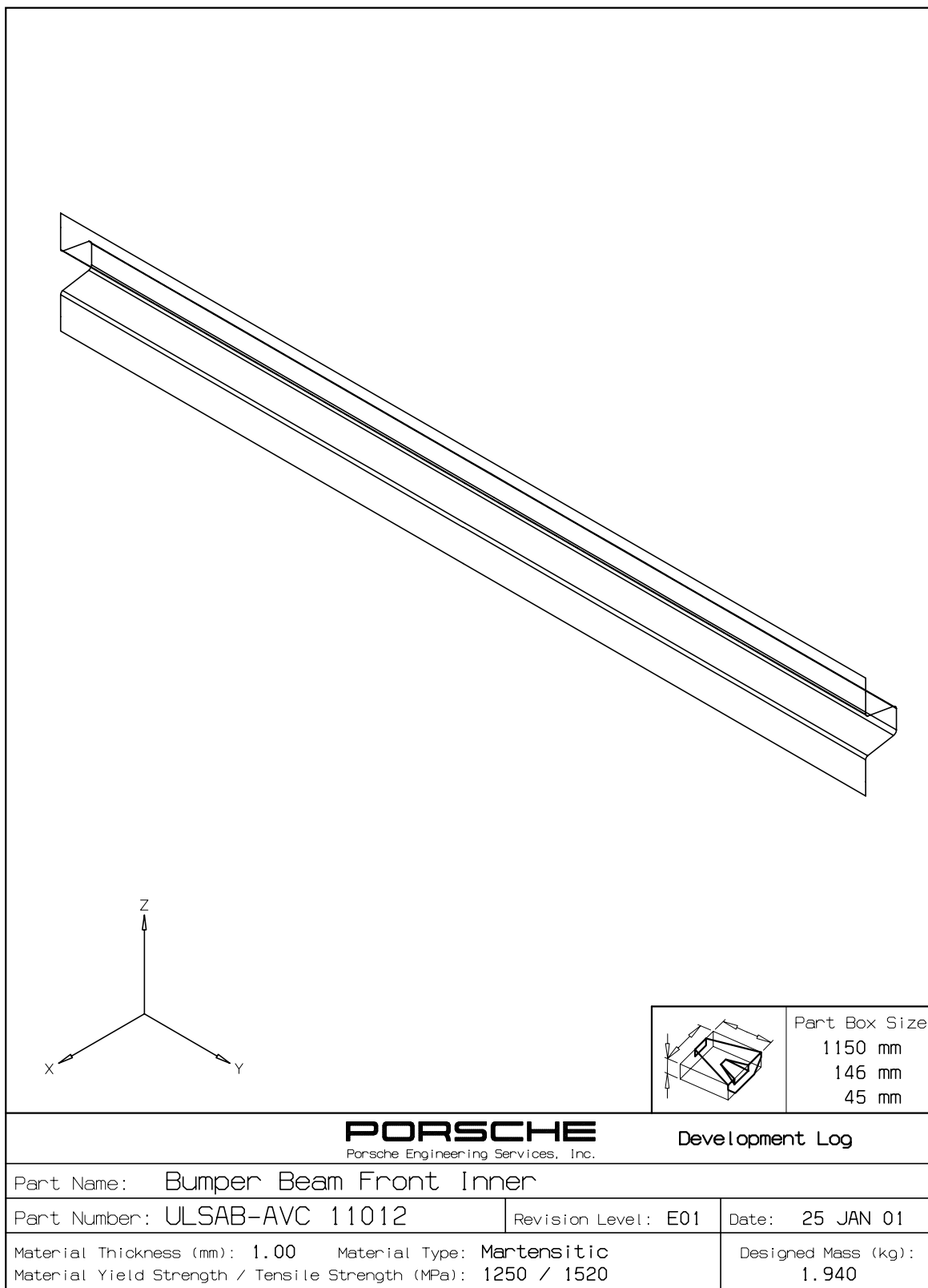
Part Number	Part Name	Revision	Date
AVC 1 1009	Assy Crash Box Bumper Front (x2)	D01	31-Oct-00
AVC 1 1012	Bumper Beam Front Inner	E01	25-Jan-01
AVC 1 1013	Bumper Beam Front Outer	F01	25-Jan-01
AVC 1 1206	Assy Crash Box Bumper Rear (x2)	B02	24-Jan-01
AVC 2 1047	Bumper Beam Rear Inner	F00	24-Jan-01
AVC 2 1048	Bumper Beam Rear Outer	G00	24-Jan-01
AVC 3 1047	Bumper Beam Rear Inner	F00	24-Jan-01
AVC 3 1048	Bumper Beam Rear Outer	G00	24-Jan-01

2.4.4.4 Parts Book Sheets

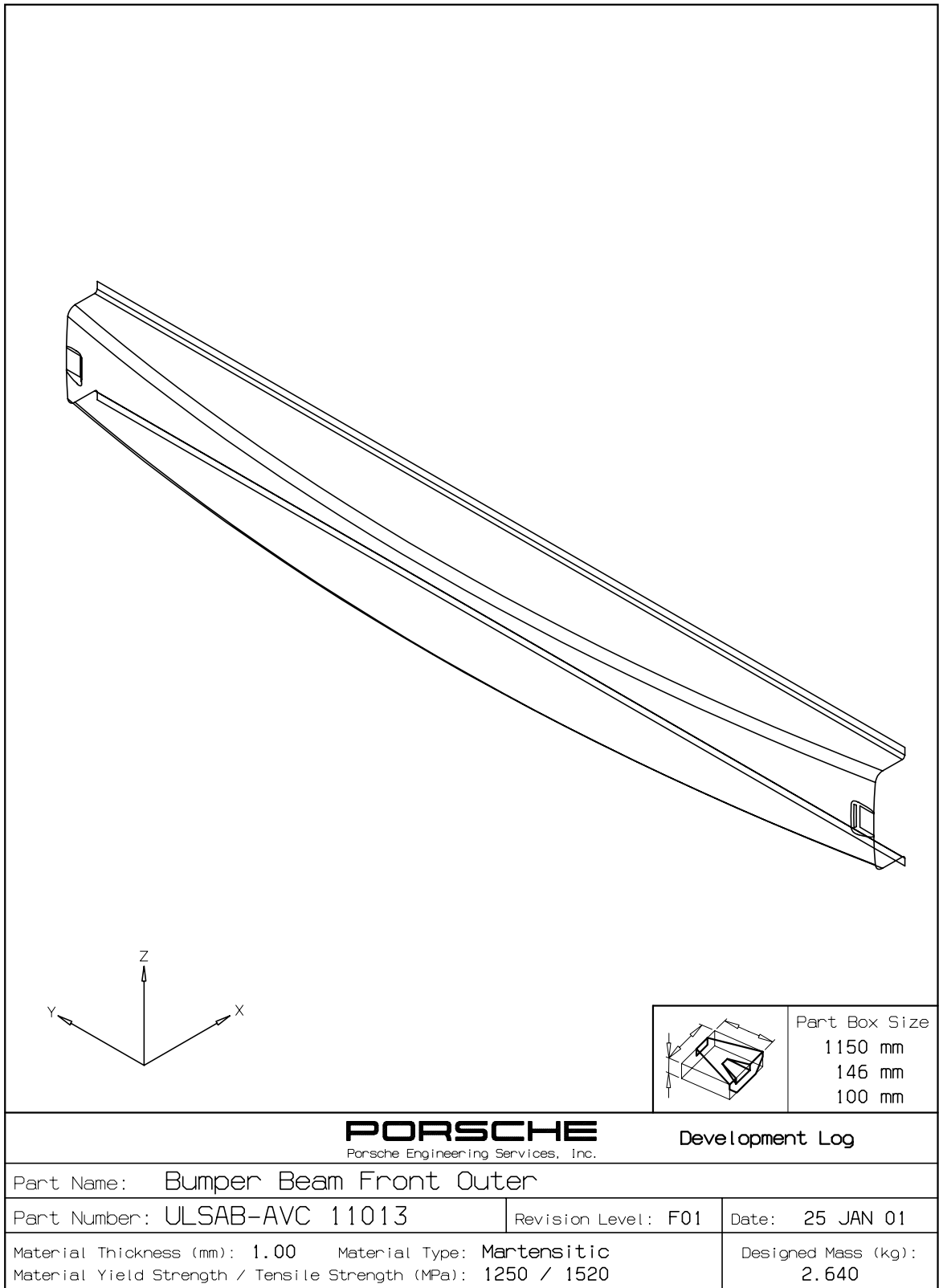
2.4.4.4 Parts Book Sheets - Bumper Beam Structure



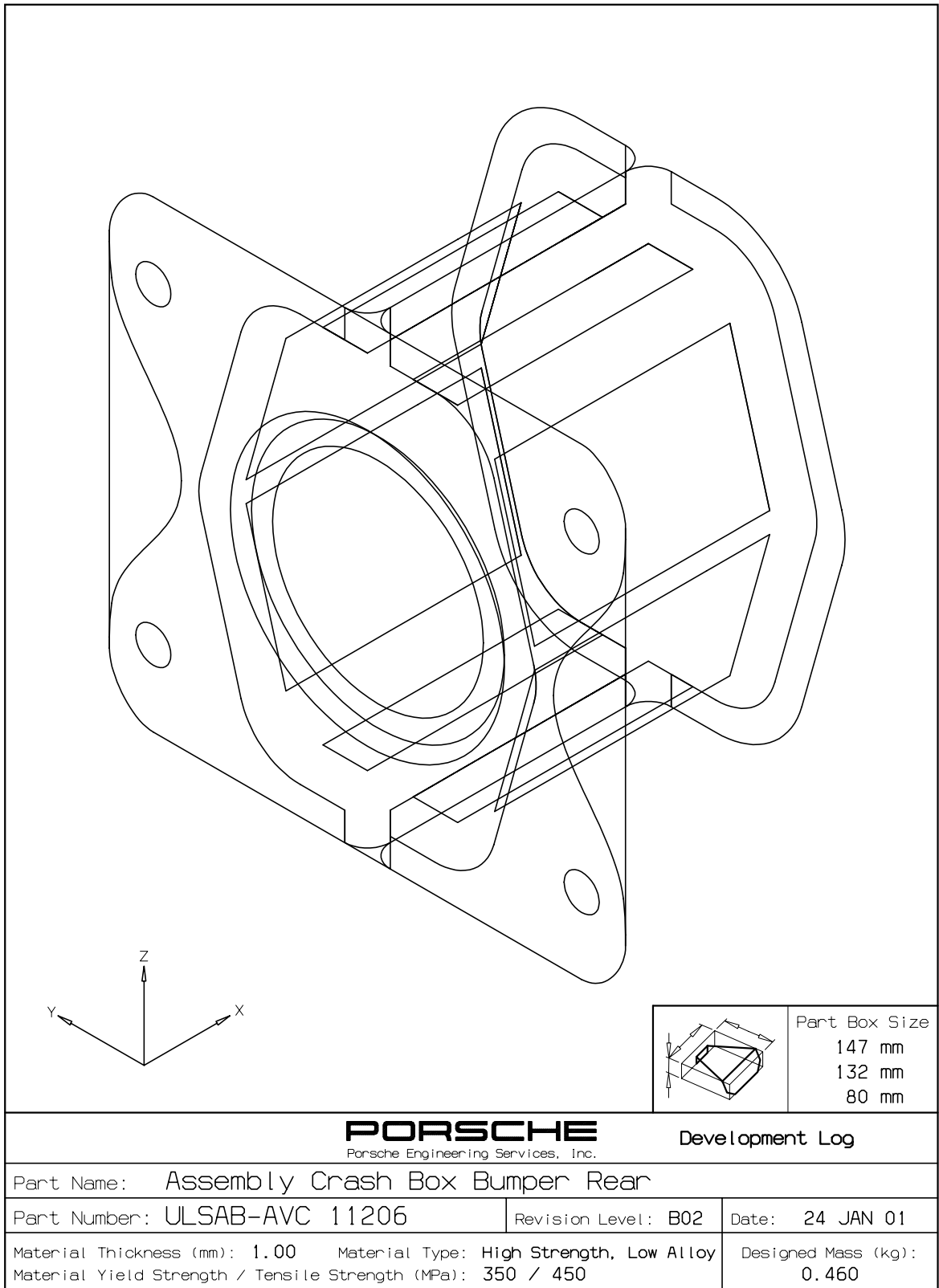
2.4.4.4 Parts Book Sheets - Bumper Beam Structure



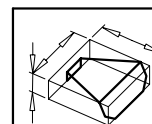
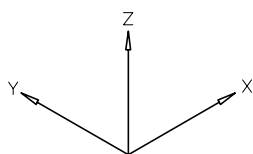
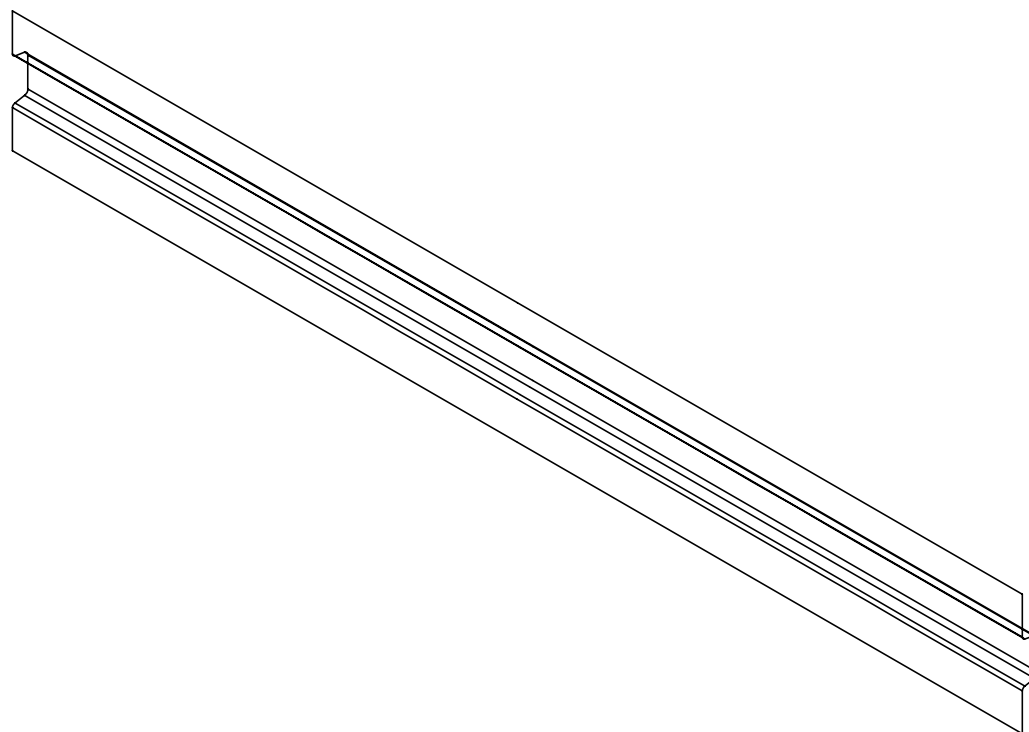
2.4.4.4 Parts Book Sheets - Bumper Beam Structure



2.4.4.4 Parts Book Sheets - Bumper Beam Structure



2.4.4.4 Parts Book Sheets - Bumper Beam Structure



Part Box Size
1216 mm
146 mm
19 mm

PORSCHE
Porsche Engineering Services, Inc.

Development Log

Part Name: Bumper Beam Rear Inner

Part Number: ULSAB-AVC 21047

Revision Level: F00

Date: 24 JAN 01

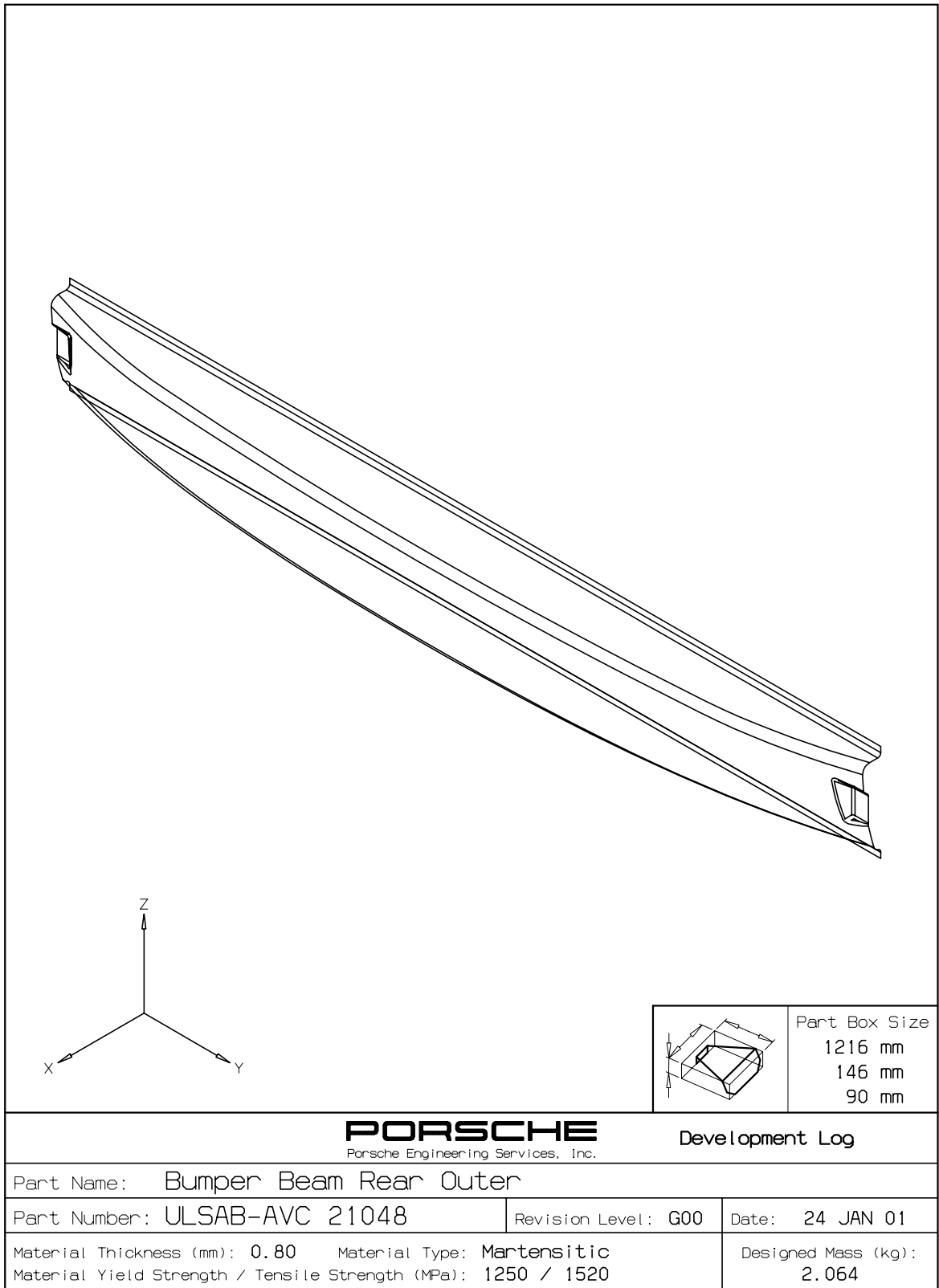
Material Thickness (mm): 0.80 Material Type: Martensitic

Material Yield Strength / Tensile Strength (MPa): 1250 / 1520

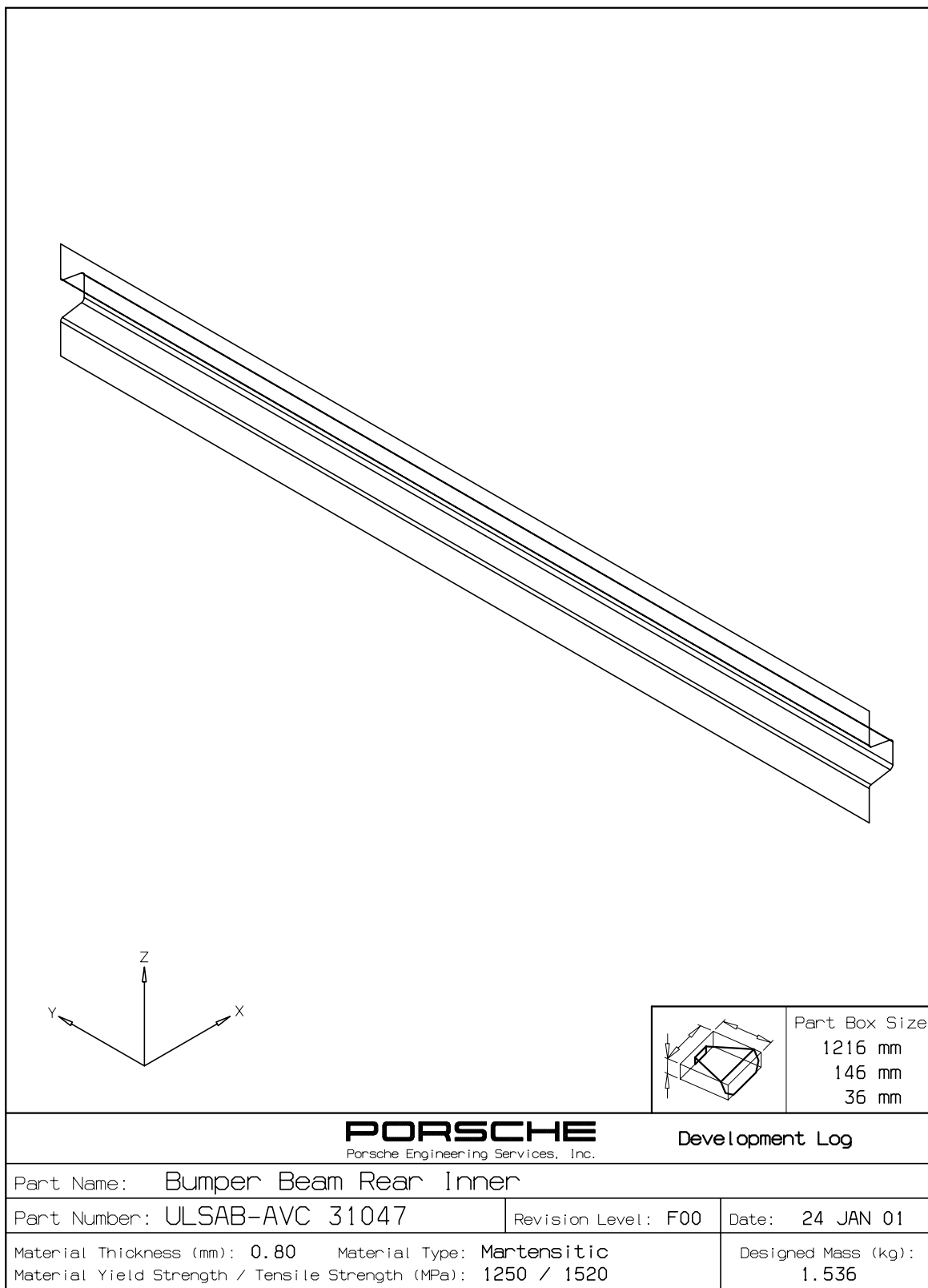
Designed Mass (kg):

1.312

2.4.4.4 Parts Book Sheets - Bumper Beam Structure



2.4.4.4 Parts Book Sheets - Bumper Beam Structure



2.4.4.4 Parts Book Sheets - Bumper Beam Structure

