

Die Ebenen der verschiedenen Layout-Zuordnungen finden Sie analog in der Toolbar "BMW Karosseriebau-Ebenen (sog. MyBar-Menü)" in MicroStation. /
The Levels of the various layout mappings are similarly in the toolbar "BMW body-in-white levels (called: "MyBar-Menü") in MicroStation.
(exklusive zusätzlicher Ebenen für das Venturis Layouttool / exclusive additional Levels for the Venturis Layouttool)

Ebenenname / Levelname	Nr.	Beschreibung	Levelname (only translation)	Description	Farbe/Color	Füllfarbe/ Filling Color	Strichart/ Line Type	Strichstärke/ Line Weight
01. Zeichnungsrahmen / Drawing Information								
Zeichnungsrahmen	70	Zeichnungsrahmen	border	border				0 0
Zeichnungskopf	71	Zeichnungskopf_inkl_Index	title_block	title block incl. text				0 0
Zeichnungsindexfeld	72	Zeichnungsindexfeld	index_box	drawing index				0 0
Referenzpunkt_Gebäudeplan	73	Referenzpunkt Gebäudeplan	building_reference_point	building reference point				0 0
Zeichnungslegende	74	Zeichnungslegende	legend	legend				0 0
ZRI_Gebäudeleerplan_2D	401	Raster_Stuetzen_nur_wenn_kein_eigenes_Gebäudeleerplanlayout_vorhanden_ist	ZRI_empty_building_plan_2D	only if no building reference is existing				0 0
02. Blocklayout / Blocklayout								
BLY_CoC_BG	439	Blocklayout_CoC_Botengruppe	BLY_coc_underbody	blocklayout_coc_underbody	211			0 0
BLY_CoC_KG	440	Blocklayout_CoC_Karosseriegerippe	BLY_coc_framing	blocklayout_coc_framing	113			0 0
BLY_CoC_AF	441	Blocklayout_CoC_Anbauteile_Finish	BLY_coc_finish	blocklayout_coc_finish	80			0 0
BLY_Logistik	442	Blocklayout_Logistik	BLY_coc_logistic	blocklayout_logistic	115			0 0
BLY_Fahrstrasse	406	Blocklayout_Fahrtweg	BLY_aisle_way	blocklayout_all aiseways	14			0 0
BLY_Nebenbetrieb	443	Blocklayout_Nebenbetriebe_Qualität_IH_Stuetzpunkte_Zangenregale	BLY_secondary_function	blocklayout_secondary_functions+quality+maintenance+gun_racks	118			0 0
BLY_Frei_Wechselfläche	445	Blocklayout_Frei- und Wechselfläche	BLY_free_area	blocklayout free area	251			0 0
BLY_Gehweg	40035	Blocklayout_Gehweg	BLY_pedestrian_area	blocklayout pedestrian area	160			0 0
BLY_Buero_Sozial	40219	Blocklayout_Buero_Sozial	BLY_office_social	blocklayout office social				0 0
BLY_Frei_Wechselfläche_EOP1	40036	Blocklayout_Frei- und Wechselfläche	BLY_free_area1	blocklayout free area1	112			0 0
BLY_Frei_Wechselfläche_EOP2	40037	Blocklayout_Frei- und Wechselfläche	BLY_free_area2	blocklayout free area2	176			0 0
BLY_Frei_Wechselfläche_EOP3	40038	Blocklayout_Frei- und Wechselfläche	BLY_free_area3	blocklayout free area3	226			0 0
BLY_Frei_Wechselfläche_EOP4	40039	Blocklayout_Frei- und Wechselfläche	BLY_free_area4	blocklayout free area4	209			0 0
BLY_Bemassung	405	Bemassung	BLY_dimension	dimensions				0 0
BLY_Koordinate	421	Koordinaten	BLY_coordinate	coordinates				0 0
BLY_Text	449	Text	BLY_text	text				0 0
BLY_ZBV1	407	zur freien Belegung	BLY_TBD1	for free use				0 0
BLY_ZBV2	498	zur freien Belegung	BLY_TBD2	for free use				0 0
BLY_ZBV3	499	zur freien Belegung	BLY_TBD3	for free use				0 0
BLY_ZBV4	40000	zur freien Belegung	BLY_TBD4	for free use				0 0
BLY_ZBV5	40040	zur freien Belegung	BLY_TBD5	for free use				0 0
BLY_ZBV6	40041	zur freien Belegung	BLY_TBD6	for free use				0 0
BLY_ZBV7	40042	zur freien Belegung	BLY_TBD7	for free use				0 0
BLY_ZBV8	40043	zur freien Belegung	BLY_TBD8	for free use				0 0
BLY_ZBV9	40044	zur freien Belegung	BLY_TBD9	for free use				0 0
BLY_ZBV10	40045	zur freien Belegung	BLY_TBD10	for free use				0 0
03. Einrichtung_Vorplanung / Facility for Technology BMW - first planning phase								
EIV_Fertigung_2D	402	Einrichtung_der_Werkstaetten-Meisterbueros-Messraume-Auditraume-Sozialraume	EIV_equipment_2D	equipment for shop floor, measure-, audit, social-rooms_2D				0 0
EIV_Fertigung_3D	410	Einrichtung_der_Werkstaetten-Meisterbueros-Messraume-Auditraume-Sozialraume	EIV_equipment_3D	equipment for shop floor, measure-, audit, social-rooms_3D				0 0
EIV_Stoerkontur_2D	40105	Einrichtung_Vorplanung_Stoerkontur_2D	EIV_interfering_contour_2D	equipment for shop floor, measure-, audit, social-rooms_interfering contour_2D				0 0
EIV_Stoervolumen_3D	40106	Einrichtung_Vorplanung_Stoervolumen_3D	EIV_interfering_volume_3D	equipment for shop floor, measure-, audit, social-rooms_interfering volume_3D				0 0
EIV_Arbeitsbereich_2D	40103	Einrichtung_Vorplanung_Arbeitsbereich_2D	EIV_working_range_2D	equipment for shop floor, measure-, audit, social-rooms_working range_2D				0 0
EIV_Arbeitsbereich_3D	40104	Einrichtung_Vorplanung_Arbeitsbereich_3D	EIV_working_range_3D	equipment for shop floor, measure-, audit, social-rooms_working range_3D				0 0
EIV_Bemassung	403	Bemassung	EIV_dimension	dimensions				0 0
EIV_Text	414	Text	EIV_text	text				0 0
EIV_ZBV	416	zur freien Belegung	EIV_TBD	for free use				0 0
04. Kran+Ausbauhilfen / Crane and Removal Devices								
KRA_Kran_2D	429	Kran_2D	KRA_crane_2D	crane_2D				0 0
KRA_Arbeits-_und_Schwenkbereich	426	Kran_Arbeits-_und_Schwenkbereich	KRA_working_range_and_swept_volume_2D	crane working range & swept volume_2D				0 0
KRA_Arbeits-_und_Schwenkbereich_3D	40107	Kran_Arbeits-_und_Schwenkbereich_3D	KRA_working_range_and_swept_volume_3D	crane working range & swept volume_3D				0 0
3D_KRAN	282	Kran_3D	KRAN	crane				0 0
KRA_Robotersaubauschiene_2D	428	Robotersaubauschiene 2D	KRA_robot_removal_rail_2D	robot removal rail				0 0
KRA_Robotersaubauschiene_3D	400	Robotersaubauschiene 3D	KRA_robot_removal_rail_3D	robot removal rail				0 0
KRA_Stoerkontur_2D	40209	2D_Kran_Stoerkontur	KRA_interfering_contour_2D	2D_crane interfering contour				0 0
KRA_Stoervolumen_3D	40110	Kran_Stoervolumen_3D	KRA_interfering_volume_3D	3D_crane interfering volume				0 0
KRA_Kran_Mittellinie_Symmetrieachse_2D	40108	Kran_Mittellinie_Symmetrieachse 2D	KRA_center_line_2D	2D_crane center line				0 0
KRA_Bemassung	436	Bemassung	KRA_dimension	dimensions				0 0
KRA_Text	437	Text	KRA_text	text				0 0
KRA_ZBV	438	zur freien Belegung	KRA_TBD	for free use				0 0
05. Sicherheitseinrichtung_AnHFT / Safety Equipment - Process&Conveyor								
2D_GITTER	113	Rammschutz-Schutzzaun-Schutzfenster	2D_GITTER	safety equipment, -posts, -fence	3		0/4	0
3D_GITTER	114	Rammschutz-Schutzzaun-Schutzfenster	3D_GITTER	safety equipment, -posts, -fence	240			0 0
SIE_Komponente_2D	417	Trittmatten-Scanner-Lichtvorhang-Zutrittschutz_2D	SIE_component_2D	safety components shut-off mats, scanner, light curtain_2D	3		0/4	0
SIE_Komponente_3D	446	Trittmatten-Scanner-Lichtvorhang-Zutrittschutz_3D	SIE_component_3D	safety components shut-off mats, scanner, light curtain_3D	3			0 0
SIE_Stoerkontur_2D	40183	Sicherheitseinrichtung_Stoerkontur_2D	SIE_interfering_contour_2D	safety components_interfering contour_2D				0 0
SIE_Stoervolumen_3D	40113	Sicherheitseinrichtung_Stoervolumen_3D	SIE_interfering_volume_3D	safety components_interfering volume_3D				0 0
SIE_Werker_2D	40077	Werker_2D	SIE_operator_2D	worker_2D				0 0
SIE_Werker_3D	40078	Werker_3D	SIE_operator_3D	worker_3D				0 0
SIE_Bemassung	418	Bemassung	SIE_dimension	dimensions				0 0
SIE_Text	447	Text	SIE_text	text				0 0
SIE_ZBV	448	zur freien Belegung	SIE_TBD	for free use				0 0
06. Schalt+Steuerschraenke / Switch and Control Cabinets								
2D_SCHALTSCHRAENKE	206	Schalt-_Steuerschraenke_2D	switch_and_control_cabinet_2D	switch & control cabinet_2D				0 0
3D_SCHALTSCHRAENKE	207	Schalt-_Steuerschraenke_3D	switch_and_control_cabinet_3D	switch & control cabinet_3D				0 0
VTS_Schaltschrank_Arbeitsbereich_3D	40175	Schalt-_Steuerschraenke_Arbeitsbereich_3D	VTS_working_range_3D	switch & control cabinet_working range_3D				0 0
VTS_Schaltschrank_Stoerkontur_2D	40176	Schalt-_Steuerschraenke_Stoerkontur_2D	VTS_interfering_contour_2D	switch & control cabinet_interfering contour_2D				0 0
VTS_Schaltschrank_Stoervolumen_3D	40177	Schalt-_Steuerschraenke_Stoervolumen_3D	VTS_interfering_volume_3D	switch & control cabinet_interfering volume_3D				0 0
VTS_Text	40051	Text für Schalt- und Steuerschraenke	VTS_text	text for switch & control cabinet				0 0
VTS_ZBV_Schaltschrank	434	zur freien Belegung	VTS_TBD	for free use				0 0
07. Buehnen+Stahlbau_AnHFT / Upper Level Steel Construction - Process+Conveyor								
BST_Funktionsstahlbau_Gitterrost_2D	408	Funktionsstahlbau_Gitterroste	BST_steel_structure_grid_2D	steel structure, grid	7 o.Tricad			0 0
BST_Funktionsstahlbau_Gitterrost_3D	444	Funktionsstahlbau_Gitterroste	BST_steel_structure_grid_3D	steel structure, grid	7 o.Tricad			0 0
BUEHNE_2D	261	Instandhaltungs-_Schaltschrankbuehnen_Treppen	BUEHNE_2D	maintenance & cabinet platforms, stairs	7 o.Tricad			0 0
BUEHNE_3D	270	Instandhaltungs-_Schaltschrankbuehnen_Treppen	BUEHNE_3D	maintenance & cabinet platforms, stairs	7 o.Tricad			0 0
BST_Stoervolumen_3D	40220	3D_BST_Stoervolumen	BST_interfering_volume_3D	3D_BST_interfering volume				0 0
BST_Aussparung_2D	40075	Stahlbau_Ebenenaussparung_2D	BST_gap_2D	steel structure_Level_gap_2D				0 0
BST_Aussparung_3D	40076	Stahlbau_Ebenenaussparung_3D	BST_gap_3D	steel structure_Level_gap_3D				0 0
BST_Bemassung	411	Bemassung	BST_dimension	dimensions				0 0
BST_Text	451	Text	BST_text	text				0 0
BST_ZBV	452	zur freien Belegung	BST_TBD	for free use				0 0

Die Ebenen der verschiedenen Layout-Zuordnungen finden Sie analog in der Toolbar "BMW Karosseriebau-Ebenen (sog. MyBar-Menü)" in MicroStation. /
The Levels of the various layout mappings are similarly in the toolbar "BMW body-in-white levels (called: "MyBar-Menü") in MicroStation.
(exklusive zusätzlicher Ebenen für das Venturis Layouttool / exclusive additional Levels for the Venturis Layouttool)

Ebenenname /
Levelname

Nr. Beschreibung

Levelname (only translation) Description

Farbe/Color

Füllfarbe/
Filling Color

Strichart/
Line Type

Strichstärke/
Line Weight

08. Fzg. Bauteile. Huellen. Schnitte / Assembly parts. envelope									
FZG_BT_2D	424	2D_Fahrzeugbauteile	FZG_part_2D	assembly/parts	2			0	0
FZG_BT_3D	453	3D_Fahrzeugbauteile	FZG_part_3D	assembly/parts				0	0
FZG_BT_Koordinate_Text	425	Fahrzeugbauteile_Koordinaten_Text	FZG_part_dimension_text	assembly/parts - coordinates and text	2			0	0
SCHLEPP_HUELLEKURVE	210	Huellkurve_Grundlinie	SCHLEPP_HUELLEKURVE	envelope - baseline				0	0
SCHLEPP_HUELLEFLAECH	211	Huellkurve_3D	SCHLEPP_HUELLEFLAECH	envelope - 3D				0	0
FZG_Schnitt_2D	496	Schnitt 2D	FZG_section_2D	Section Cut 2D				0	0
FZG_Schnitt_3D	497	Schnitt 3D	FZG_section_3D	Section Cut 3D				0	0
FZG_VB_2D	40001	Vorberbau 2D	FZG_motor_compartment_2D	motor compartment_2D	221			0	0
FZG_VB_3D	40002	Vorberbau 3D	FZG_motor_compartment_3D	motor compartment_3D	221			0	0
FZG_HB_2D	40005	Hinterbau 2D	FZG_rear_end_2D	rear end_2D	211			0	0
FZG_HB_3D	40006	Hinterbau 3D	FZG_rear_end_3D	rear end_3D	211			0	0
FZG_BB_2D	40003	Bodenblech 2D	FZG_floor_pan_2D	floor pan_2D	39			0	0
FZG_BB_3D	40004	Bodenblech 3D	FZG_floor_pan_3D	floor pan_3D	39			0	0
FZG_VB_BB_HB_2D	40007	Vorberbau_Bodenblech_Hinterbau_2D	FZG_mc_re_fp_2D	mc_re_fp_2D	144			0	0
FZG_VB_BB_HB_3D	40008	Vorberbau_Bodenblech_Hinterbau_3D	FZG_mc_re_fp_3D	mc_re_fp_3D	144			0	0
FZG_BG_kpl_2D	40009	Bodengruppe_kpl_2D	FZG_underbody_compl_2D	underbody_2D	73			0	0
FZG_BG_kpl_3D	40010	Bodengruppe_kpl_3D	FZG_underbody_compl_3D	underbody_3D	73			0	0
FZG_SR_in_2D	40011	Seitenrahmen innen 2D	FZG_side_frame_inner_2D	side frame inner_2D	217			0	0
FZG_SR_in_3D	40012	Seitenrahmen innen 3D	FZG_side_frame_inner_3D	side frame inner_3D	217			0	0
FZG_SR_mi_2D	40013	Seitenrahmen mitte 2D	FZG_side_frame_middle_2D	side frame middle_2D	11			0	0
FZG_SR_mi_3D	40014	Seitenrahmen mitte 3D	FZG_side_frame_middle_3D	side frame middle_3D	11			0	0
FZG_SR_au_2D	40015	Seitenrahmen außen 2D	FZG_side_frame_outer_2D	side frame outer_2D	124			0	0
FZG_SR_au_3D	40016	Seitenrahmen außen 3D	FZG_side_frame_outer_3D	side frame outer_3D	124			0	0
FZG_KG1_2D	40017	Karosserie Gerippe 1.2D	FZG_framing1_2D	framing 1_2D	26			0	0
FZG_KG1_3D	40018	Karosserie Gerippe 1.3D	FZG_framing1_3D	framing 1_3D	26			0	0
FZG_KG2_2D	40019	Karosserie Gerippe 2.2D	FZG_framing2_2D	framing 2_2D	146			0	0
FZG_KG2_3D	40020	Karosserie Gerippe 2.3D	FZG_framing2_3D	framing 2_3D	146			0	0
FZG_KG3_2D	40021	Karosserie Gerippe 3.2D	FZG_framing3_2D	framing 3_2D	196 (199)			0	0
FZG_KG3_3D	40022	Karosserie Gerippe 3.3D	FZG_framing3_3D	framing 3_3D	196 (199)			0	0
FZG_AF1_2D	40023	Anbauteile Finish1 2D	FZG_hang_on_parts1_2D	hang_on_parts1_2D	65			0	0
FZG_AF1_3D	40024	Anbauteile Finish1 3D	FZG_hang_on_parts1_3D	hang_on_parts1_3D	65			0	0
FZG_AF2_2D	40025	Anbauteile Finish2 2D	FZG_hang_on_parts2_2D	hang_on_parts2_2D	19			0	0
FZG_AF2_3D	40026	Anbauteile Finish2 3D	FZG_hang_on_parts2_3D	hang_on_parts2_3D	19			0	0
FZG_AF3_2D	40027	Anbauteile Finish3 2D	FZG_hang_on_parts3_2D	hang_on_parts3_2D	213			0	0
FZG_AF3_3D	40028	Anbauteile Finish3 3D	FZG_hang_on_parts3_3D	hang_on_parts3_3D	213			0	0
FZG_UZB1_2D	40029	Unter Zusammenbau1 2D	FZG_sub_assembly1_2D	sub_assembly1_2D	248			0	0
FZG_UZB1_3D	40030	Unter Zusammenbau1 3D	FZG_sub_assembly1_3D	sub_assembly1_3D	248			0	0
FZG_UZB2_2D	40031	Unter Zusammenbau2 2D	FZG_sub_assembly2_2D	sub_assembly2_2D	208			0	0
FZG_UZB2_3D	40032	Unter Zusammenbau2 3D	FZG_sub_assembly2_3D	sub_assembly2_3D	208			0	0
FZG_UZB3_2D	40033	Unter Zusammenbau3 2D	FZG_sub_assembly3_2D	sub_assembly3_2D	197			0	0
FZG_UZB3_3D	40034	Unter Zusammenbau3 3D	FZG_sub_assembly3_3D	sub_assembly3_3D	197			0	0
FZG_ZBV	454	zur freien Belegung	FZG_TBD	for free use				0	0
FZG_ZBV1	40070	zur freien Belegung	FZG_TBD1	for free use				0	0
FZG_ZBV2	40071	zur freien Belegung	FZG_TBD2	for free use				0	0
FZG_ZBV3	40072	zur freien Belegung	FZG_TBD3	for free use				0	0
FZG_ZBV4	40073	zur freien Belegung	FZG_TBD4	for free use				0	0
FZG_ZBV5	40074	zur freien Belegung	FZG_TBD5	for free use				0	0
09. Medien_Energie_Absaugung / Utilities									
MEA_Symbol_2D	430	zB Druckluft_Wasser_Licht_Gas	MEA_utility_2D	e.g. compressed air, water, light, gas	5 o. Tricad			0	0
MEA_Symbol_3D	455	zB Druckluft_Wasser_Licht_Gas	MEA_utility_3D	e.g. compressed air, water, light, gas	5 o. Tricad			0	0
MEA_Bemassung	431	Bemassung	MEA_dimension	dimensions				0	0
MEA_Text	456	Text	MEA_text	text				0	0
MEA_Maschinenanschluesse_2D	40178	Medienversorgung und -entsorgung, z.B. Kabelkanäle 2D	MEA_machine_connection_2D	media machining feed in and waste management 2D	5			0	0
MEA_Maschinenanschluesse_3D	40179	Medienversorgung und -entsorgung, z.B. Kabelkanäle 3D	MEA_machine_connection_3D	media machining feed in and waste management 3D	5			0	0
MEA_Stoerkontur_2D	40180	Medien_Energie_Absaugung_Stoerkontur_2D	MEA_interfering_contour_2D	utilities interfering contour 2D				0	0
MEA_Stoervolumen_3D	40181	Medien_Energie_Absaugung_Stoervolumen_3D	MEA_interfering_volume_3D	utilities interfering volume 3D				0	0
MEA_ZBV	457	zur freien Belegung	MEA_TBD	for free use				0	0
10. Logistik / Logistic - transport to and from line									
LOG_Transportmittel_innen_2D	432	zB_Stapler_Trailer_Trolley	LOG_transport_inside_building_2D	e.g. forklift, trailer, trolley	106			0	0
LOG_Transportmittel_innen_3D	458	zB_Stapler_Trailer_Trolley	LOG_transport_inside_building_3D	e.g. forklift, trailer, trolley	106			0	0
LOG_Transportmittel_aussen_2D	433	zB_LKW	LOG_transport_outside_building_2D	truck				0	0
LOG_Transportmittel_aussen_3D	459	zB_LKW	LOG_transport_outside_building_3D	truck				0	0
LOG_Bemassung	435	Bemassung	LOG_dimension	dimensions	2			0	0
LOG_Text_Transport	460	Text	LOG_text_transport	text	2			0	0
LOG_Behaelter_Regal_2D	422	Behaelter (2), Regale + Paletten (136)	LOG_container_rack_2D	containers (2), racks + pallet (136)	2 / 136			0	0
LOG_Behaelter_Regal_3D	461	Behaelter (2), Regale + Paletten (136)	LOG_container_rack_3D	containers (2), racks + pallet (136)	2 / 136			0	0
LOG_Stoerkontur_2D	40111	Logistik_Stoerkontur_2D	LOG_interfering_contour_2D	logistic interfering contour 2D				0	0
LOG_Stoervolumen_3D	40112	Logistik_Stoervolumen_3D	LOG_interfering_volume_3D	logistic interfering volume 3D				0	0
LOG_Fuellvolumen_3D	40196	Fuellvolumen 3D	LOG_filling_volume_3D	filling_volume				0	0
LOG_Text_Logistik	423	Text	LOG_text_logistic	text	2			0	0
LOG_ZBV	462	zur freien Belegung	LOG_TBD	for free use				0	0

Die Ebenen der verschiedenen Layout-Zuordnungen finden Sie analog in der Toolbar "BMW Karosseriebau-Ebenen (sog. MyBar-Menü)" in MicroStation. /
The Levels of the various layout mappings are similarly in the toolbar "BMW body-in-white levels (called: "MyBar-Menü") in MicroStation.
(exklusive zusätzlicher Ebenen für das Venturis Layouttool / exclusive additional Levels for the Venturis Layouttool)

Ebenenname /
Levelname

Nr. Beschreibung

Levelname (only translation) Description

Farbe/Color
Füllfarbe/
Filling Color
Strichart/
Line Type
Strichstärke/
Line Weight

11. Anlagen / Process						
ANL_AP_Vorr_Wz_2D	412	Vorrichtungen_Handarbeitsplaetze_Zangen_Greiferwechselvorrichtungen	ANL_process_2D	e.g. fixture, manual working area, weld gun & gripper changing fixture	136	0 0
ANL_AP_Vorr_Wz_3D	463	Vorrichtungen_Handarbeitsplaetze_Zangen_Greiferwechselvorrichtungen	ANL_process_3D	e.g. fixture, manual working area, weld gun & gripper changing fixture	136	0 0
ANL_AP_Vorr_Wz_Stoerkontur_2D	40182	Anlagen-Vorrichtungen-, Werkzeug_Stoervolumen_2D	ANL_fixture_interfering_contour_2D	e.g. fixture, manual working area_interfering contour_2D		0 0
ANL_AP_Vorr_Wz_Stoervolumen_3D	40101	Anlagen-Vorrichtungen-, Werkzeug_Stoervolumen_3D	ANL_fixture_interfering_volume_3D	e.g. fixture, manual working area_interfering volume_3D		0 0
ANL_AP_Vorr_Wz_Wartungsraum_3D	40102	Anlagen-Vorrichtungen-, Werkzeug_Wartungsraum_3D	ANL_fixture_maintenance_area_3D	e.g. fixture, manual working area_maintenance area_3D		0 0
ANL_AP_Vorr_Wz_Mittellinie_2D	40100	Anlagen-Vorrichtungen-, Werkzeug_Mittellinie_2D	ANL_fixture_center_line_2D	e.g. fixture, manual working area_interfering volume_3D		0 0
ANL_Mobicell_2D	415	Mobicell 2D	ANL_mobicell_2D	mobicell	119	0 0
ANL_Mobicell_3D	464	Mobicell 3D	ANL_mobicell_3D	mobicell	119	0 0
ANL_Roboter_2D	419	inkl_Zangen_Greifer_Bolzenpistolen_Brenner_Flanschplatten (72), Roboter (6)	ANL_robot_2D	robot (6) incl. weld gun, gripper, stud gun, weld torch, adaptor plate, etc. (72)	6 / 72	0 0
ANL_Rob_Arbeitsbereich_2D	420	Roboterschwenkraden	ANL_robot_working_range_2D	2D robot working range & swept volume	3	0 0
ANL_Roboter_3D	465	inkl_Zangen_Greifer_Bolzenpistolen_Brenner_Flanschplatten (72), Roboter (6)	ANL_robot_3D	robot incl. weld gun, gripper, stud gun, weld torch, adaptor plate, etc.	6 / 72	0 0
ANL_Rob_Arbeitsbereich_3D	466	Roboterschwenkraden	ANL_robot_working_range_3D	3D robot operation range & swept volume	3	0 0
ANL_Kleber_2D	467	Klebertool inkl_Equipment	ANL_sealer_equipment_2D	sealer gun incl equipment	144	0 0
ANL_Kleber_3D	468	Klebertool inkl_Equipment	ANL_sealer_equipment_3D	sealer gun incl equipment	144	0 0
ANL_Absaugung_2D	469	Anlagenabsaugung	ANL_station_exhaust_2D	2D station exhaust / extraction	72	0 0
ANL_Absaugung_3D	470	Anlagenabsaugung	ANL_station_exhaust_3D	3D station exhaust / extraction	72	0 0
ANL_Fundament_2D	427	Maschinenfundamente_Gruben	ANL_foundation_2D	foundation, free space area	1	0 0
ANL_Fundament_3D	471	Maschinenfundamente_Gruben	ANL_foundation_3D	foundation, free space area	1	0 0
ANL_Roboterfundament_2D	40046	Roboterfundament_2D	ANL_robot_foundation_2D	2D_robot_foundation	1	0 0
ANL_Roboterfundament_3D	40047	Roboterfundament_3D	ANL_robot_foundation_3D	3D_robot_foundation	1	0 0
ANL_Werkzeugfundament_2D	40048	Werkzeugfundament_2D	ANL_tool_foundation_2D	2D_tool_foundation	1	0 0
ANL_Werkzeugfundament_3D	40049	Werkzeugfundament_3D	ANL_tool_foundation_3D	3D_tool_foundation	1	0 0
ANL_Trockner_2D	404	Trockner	ANL_dryer_2D	2D oven / dryer		0 0
ANL_Trockner_3D	472	Trockner	ANL_dryer_3D	3D oven / dryer		0 0
ANL_Schwenk_Stoerkontur_2D	494	Arbeits-Stoerkontur_Anlagenkomponenten-ausser-Roboter	ANL_swept_volume_2D	2D process swept volume (not robots)	3	0 0
ANL_Schwenk_Stoerkontur_3D	495	Arbeits-Stoerkontur_Anlagenkomponenten-ausser-Roboter	ANL_swept_volume_3D	3D process swept volume (not robots)	3	0 0
ANL_Referenzpunkt	473	Anlagenreferenzpunkte_2D	ANL_reference_point	process reference point	1	0 0
ANL_Sonstige_Komponente	474	Sonstige Anlagenkomponenten	ANL_special_component	special process components		0 0
ANL_Umrandung	450	Anlagenumrandung_zur_Flaechenermittlung (Rand 100 mm breit - Füllfarbe gelb 4)	ANL_area_border	border to show area_dimensions (border 100 mm - filled yellow 4)	4	0 0
ANL_MP_Fundament_2D	40052	Messpunkt Level Fundament_2D	ANL_MP_foundation_2D	2D_measuring_point_foundation		0 0
ANL_MP_Kabelkanal_2D	40053	Messpunkt Level Kabelkanal_2D	ANL_MP_duct_2D	2D_measuring_point_duct		0 0
ANL_MP_Schutzzaun_2D	40054	Messpunkt Level Schutzzaun_2D	ANL_MP_safety_fence_2D	2D_measuring_point_safety_fence		0 0
ANL_MP_ZBV_2D	40055	Messpunkt Level ZBV_2D	ANL_MP_TBD_2D	2D_measuring_point_TBD		0 0
ANL_Bemassung	413	Bemassung	ANL_dimension	dimensions		0 0
ANL_Text	475	Text	ANL_text	text		0 0
ANL_Text_Fundamentplan	40050	Text_Fundament	ANL_text_foundation	text_foundation		0 0
ANL_ZBV	476	zur freien Belegung	ANL_TBD	for free use		0 0
ANL_ZBV1	40056	zur freien Belegung	ANL_TBD1	for free use		0 0
ANL_ZBV2	40057	zur freien Belegung	ANL_TBD2	for free use		0 0
ANL_ZBV3	40058	zur freien Belegung	ANL_TBD3	for free use		0 0
ANL_ZBV4	40059	zur freien Belegung	ANL_TBD4	for free use		0 0
ANL_ZBV5	40060	zur freien Belegung	ANL_TBD5	for free use		0 0
12. Foerdertechnik / Conveyor						
FOE_Komponente_2D	477	2D_Foerdertechnikkomponente	FOE_component_2D	2D conveyor technique		0 0
FOE_Komponente_3D	478	3D_Foerdertechnikkomponente	FOE_component_3D	3D conveyor technique		0 0
FOE_Stoervolumen_3D	40197	3D_Foerdertechnik-Stoervolumen	FOE_interfering_volume_3D	3D conveyor interfering volume		0 0
FOE_Traverse_LAM_2D	479	Traversen + LAM 2D	FOE_paint_bar_sling_2D	2D part locations, cross bars, conveyor trolley	253	0 0
FOE_Traverse_LAM_3D	480	Traversen + LAM 3D	FOE_paint_bar_sling_3D	3D part locations, cross bars, conveyor trolley	253	0 0
FOE>Weiche_2D	40061	Foerdertechnik>Weiche_2D	FOE_switch_2D	2D conveyor technique_switch		0 0
FOE>Weiche_3D	40062	Foerdertechnik>Weiche_3D	FOE_switch_3D	3D conveyor technique_switch		0 0
FOE>Aussparung_2D	40063	Foerdertechnik>Ebenenaussparung_2D	FOE_gap_2D	2D conveyor technique level gap		0 0
FOE>Aussparung_3D	40064	Foerdertechnik>Ebenenaussparung_3D	FOE_gap_3D	3D conveyor technique level gap		0 0
FOE>Bemassung_Traverse_LAM	481	Bemassung	FOE_dimension	dimensions		0 0
FOE_Text_Traverse_LAM	482	Text	FOE_text	text		0 0
FOE_Cu-Schnitt	483	Trennblock_KB_WB_SB_Komponentenbezeichnungen	FOE_copper_section	separating block copper sections		0 0
FOE>Bemassung_Cu_Schnitt	484	Bemassung	FOE_dimension_copper_section	dimensions for copper sections		0 0
FOE>Bauteilabfrage_Magnet	485	Magnete_Bauteilabfragen	FOE_magnetic_part_scan	magnetic part scan		0 0
FOE>Fahrtrichtungssymbol	486	Fahrtrichtung	FOE_direction_symbol	travel direction symbol		0 0
FOE>Einstellehre	487	Einstellehren	FOE_adjustment_master	checking/adjustment fixture		0 0
FOE>Leser_Schreibstelle	488	Leser_Schreibstellen	FOE_tag_system	read and write position		0 0
FOE>Sonstige_Komponente	489	Schmierstation_Vor-Ruecklaufsperrantriebsstation_Spannstation	FOE_special_component	special conveyor components		0 0
FOE>Bemassung	490	Bemassung	FOE_dimension	dimensions		0 0
FOE_Text	491	Text	FOE_text	text		0 0
FOE_ZBV	492	zur freien Belegung	FOE_TBD	for free use		0 0
FOE_ZBV1	40065	zur freien Belegung	FOE_TBD1	for free use		0 0
FOE_ZBV2	40066	zur freien Belegung	FOE_TBD2	for free use		0 0
FOE_ZBV3	40067	zur freien Belegung	FOE_TBD3	for free use		0 0
FOE_ZBV4	40068	zur freien Belegung	FOE_TBD4	for free use		0 0
FOE_ZBV5	40069	zur freien Belegung	FOE_TBD5	for free use		0 0
13. Allgemein / General						
ALG_Frei_fuer_Kopie	493	zB_aus Referenzen	ALG_free_for_copy	free for copies from references		0 0
ALG_ZBV1	409	uebergeordnete_Eintragungen_zB_zu_den_Foerderkreisen	ALG_TBD1	for free use		0 0

Die Ebenen der verschiedenen Layout-Zuordnungen finden Sie analog in der Toolbar "BMW Karosseriebau-Ebenen (sog. MyBar-Menü)" in MicroStation. /
The Levels of the various layout mappings are similarly in the toolbar "BMW body-in-white levels (called: "MyBar-Menü") in MicroStation.
(exklusive zusätzlicher Ebenen für das Venturis Layouttool / exclusive additional Levels for the Venturis Layouttool)

Ebenenname / Levelname	Nr.	Beschreibung	Levelname (only translation)	Description
---------------------------	-----	--------------	------------------------------	-------------

Farbe/Color	Füllfarbe/ Filling Color	Strichart/ Line Type	Strichstärke/ Line Weight
-------------	-----------------------------	-------------------------	------------------------------

14. Sonderebenen / Special Levels										
SON_Waende_2D	40114	2D_Waende	SON_walls_2D	2D_walls					0	0
SON_Waende_3D	40115	3D_Waende	SON_walls_3D	3D_walls					0	0
SON_Fenster_2D	40116	2D_Fenster	SON_windows_2D	2D_windows					0	0
SON_Fenster_3D	40117	3D_Fenster	SON_windows_3D	3D_windows					0	0
SON_Wandelemente_2D	40118	2D_Wandelemente	SON_wall_elements_2D	2D_wall_elements					0	0
SON_Wandelemente_3D	40119	3D_Wandelemente	SON_wall_elements_3D	3D_wall_elements					0	0
SON_Wandelemente_Stoervolumen_3D	40217	3D_Wandelement_Stoervolumen	SON_wall_elements_interfering_volume_3D	3D_wall_elements_interfering_volume					0	0
SON_Wand_Durchbrueche_2D	40120	2D_Wanddurchbruch	SON_wall_breakthrough_2D	2D_wall_breakthrough					0	0
SON_Wand_Durchbrueche_3D	40216	3D_Wanddurchbruch	SON_wall_breakthrough_3D	3D_wall_breakthrough					0	0
SON_Tueren_2D	40121	2D_Tueren	SON_doors_2D	2D_doors					0	0
SON_Tueren_3D	40122	3D_Tueren	SON_doors_3D	3D_doors					0	0
SON_Tueren_Stoervolumen_3D	40123	3D_Tueren_Stoervolumen	SON_doors_interfering_volume_3D	3D_doors_interfering_volume					0	0
SON_Bodenplatte_2D	40124	2D_Bodenplatte	SON_floor_slab_2D	2D_floor_slab					0	0
SON_Bodenplatte_3D	40125	3D_Bodenplatte	SON_floor_slab_3D	3D_floor_slab					0	0
SON_Boden_Durchbrueche_2D	40214	2D_Boden_Durchbrueche	SON_floor_breakthrough_2D	2D_floor_breakthrough					0	0
SON_Unterzuege_2D	40126	2D_Unterzuege	SON_joyists_2D	2D_joyists					0	0
SON_Unterzuege_3D	40127	3D_Unterzuege	SON_joyists_3D	3D_joyists					0	0
SON_Stuetzen_2D	40128	2D_Stuetzen	SON_columns_2D	2D_columns					0	0
SON_Stuetzen_3D	40129	3D_Stuetzen	SON_columns_3D	3D_columns					0	0
SON_Stuetzen_Text	40213	Text_Stuetzen	SON_columns_text	text_columns					0	0
SON_Treppen_2D	40130	2D_Treppen	SON_stairs_2D	2D_stairs					0	0
SON_Treppen_3D	40131	3D_Treppen	SON_stairs_3D	3D_stairs					0	0
SON_Aufzuege_2D	40132	2D_Aufzuege	SON_elevators_2D	2D_elevators					0	0
SON_Aufzuege_3D	40133	3D_Aufzuege	SON_elevators_3D	3D_elevators					0	0
SON_Aufzuege_Text	40215	Text_Aufzuege	SON_elevators_text	text_elevators					0	0
SON_Daecher_2D	40134	2D_Daecher	SON_roofs_2D	2D_roofs					0	0
SON_Daecher_3D	40135	3D_Daecher	SON_roofs_3D	3D_roofs					0	0
SON_Dachelemente_2D	40136	2D_Dachelemente	SON_roof_elements_2D	2D_roof_elements					0	0
SON_Dachelemente_3D	40137	3D_Dachelemente	SON_roof_elements_3D	3D_roof_elements					0	0
SON_Vordaeher_2D	40138	2D_Vordaeher	SON_canopy_2D	2D_canopy					0	0
SON_Vordaeher_3D	40139	3D_Vordaeher	SON_canopy_3D	3D_canopy					0	0
SON_Attika_2D	40140	2D_Attika	SON_attic_2D	2D_attic					0	0
SON_Attika_3D	40141	3D_Attika	SON_attic_3D	3D_attic					0	0
SON_Fahrzeuge_2D	40142	2D_Fahrzeuge	SON_cars_2D	2D_cars					0	0
SON_Fahrzeuge_3D	40143	3D_Fahrzeuge	SON_cars_3D	3D_cars					0	0
SON_Fahrzeuge_Stoerkontur_2D	40144	2D_Fahrzeug_Stoerkontur	SON_cars_interfering_contour_2D	2D_cars_interfering_contour					0	0
SON_Fahrzeuge_Stoervolumen_3D	40145	3D_Fahrzeug_Stoervolumen	SON_cars_interfering_volume_3D	3D_cars_interfering_volume					0	0
SON_Fahrzeuge_Aufnahmepunkte_3D	40146	3D_Fahrzeug_Aufnahmepunkte	SON_cars_position_points_3D	3D_cars_position_points					0	0
SON_Fahrzeuge_Mittellinien_2D	40212	2D_Fahrzeug_Mittellinien	SON_cars_center_line_2D	2D_cars_centerline					0	0
SON_Fahrzeuge_Text	40147	Text_Fahrzeug	SON_cars_text	text_cars					0	0
SON_Parkplaetze_2D	40148	2D_Parkplaetze	SON_parking_lots_2D	2D_parking_lots					0	0
SON_Parkplaetze_Text	40199	Text_Parkplaetze	SON_parking_lots_text	text_parking_lots					0	0
SON_Randstreifen_2D	40149	2D_Randstreifen	SON_shoulder_2D	2D_shoulder					0	0
SON_Gehwege_2D	40150	2D_Gewege	SON_sidewalks_2D	2D_footpaths_sidewalks					0	0
SON_Gehwege_3D	40151	3D_Gewege	SON_sidewalks_3D	3D_footpaths_sidewalks					0	0
SON_Bordsteine_2D	40152	2D_Bordsteine	SON_curbs_2D	2D_curbs					0	0
SON_Bordsteine_3D	40153	3D_Bordsteine	SON_curbs_3D	3D_curbs					0	0
SON_Schild_2D	40154	2D_Schild	SON_sign_2D	2D_sign					0	0
SON_Schild_3D	40155	3D_Schild	SON_sign_3D	3D_sign					0	0
SON_Strassen_2D	40156	2D_Strassen	SON_road_2D	2D_road					0	0
SON_Strassen_3D	40157	3D_Strassen	SON_road_3D	3D_road					0	0
SON_Strassenmarkierungen_2D	40158	2D_Strassenmarkierungen	SON_road_marking_2D	2D_road_marking					0	0
SON_Strassen_Innenflaechen_2D	40201	2D_Straßeninnenflaechen	SON_road_road_inner_surface2D	2D_road_road_innersurface					0	0
SON_Innenflaechen_2D	40200	2D_Innenflaechen	SON_inner_surface_2D	2D_inner_surface					0	0
SON_Gleisanlagen_2D	40159	2D_Gleisanlagen	SON_railway_systems_2D	2D_track_systems					0	0
SON_Gleisanlagen_3D	40160	3D_Gleisanlagen	SON_railway_systems_3D	3D_track_systems					0	0
SON_Bahnsteige_2D	40161	2D_Bahnsteige	SON_railway_station_platforms_2D	2D_railway_station_platforms					0	0
SON_Bahnsteige_3D	40162	3D_Bahnsteige	SON_railway_station_platforms_3D	3D_railway_station_platforms					0	0
SON_Bahnsteige_Stoerkontur_2D	40184	2D_Bahnsteige_Stoerkontur	SON_railway_station_interfering_contour_2D	2D_railway_platforms_station_interfering_contour					0	0
SON_Bahnsteige_Stoervolumen_3D	40185	3D_Bahnsteige_Stoervolumen	SON_railway_station_interfering_volume_3D	3D_railway_station_platforms_interfering_volume					0	0
SON_Bahnsteige_Text	40186	Bahnsteige-Text	SON_railway_station_platforms_text	text_railway_station_platforms					0	0
SON_Bahnschwellen_2D	40163	2D_Bahnschwellen	SON_sleepers_2D	2D_sleepers					0	0
SON_Bahnschwellen_3D	40164	3D_Bahnschwellen	SON_sleepers_3D	3D_sleepers					0	0
SON_Bauraum_3D	40165	3D_Bauraum	SON_installation_space_3D	3D_installation_space					0	0
SON_Bauraum_Text	40211	Text_Bauraum	SON_installation_space_text	text_installation_space					0	0
SON_Randmarkierungen_2D	40166	2D_Randmarkierungen	SON_edge_markings_2D	2D_edge_markings					0	0
SON_Richtungspfeil_2D	40167	2D_Richtungspfeil	SON_arrow_2D	2D_arrow					0	0
SON_Richtungspfeil_3D	40168	3D_Richtungspfeil	SON_arrow_3D	3D_arrow					0	0
SON_Richtungspfeil_Text	40218	Text_Richtungspfeil	SON_arrow_text	text_arrow					0	0
SON_Fluchtweg_2D	40169	2D_Fluchtweg	SON_escape_route_2D	2D_escape_route					0	0
SON_Fluchtweg_3D	40170	3D_Fluchtweg	SON_escape_route_3D	3D_escape_route					0	0
SON_Fluchtweg_Stoervolumen_3D	40171	3D_Fluchtweg_Stoervolumen	SON_escape_route_interfering_volume_3D	3D_escape_route_interfering_volume					0	0
SON_Fluchtweg_Text	40208	Text_Fluchtweg	SON_escape_route_text	text_escape_route					0	0
SON_Rettungsweg_3D	40204	3D_Rettungsweg	SON_emergency_route_3D	3D_emergency_route					0	0
SON_Rettungsweg_2D	40205	2D_Rettungsweg	SON_emergency_route_2D	2D_emergency_route					0	0
SON_Rettungsweg_Stoervolumen_3D	40206	3D_Rettungsweg_Stoervolumen	SON_emergency_route_interfering_volume_3D	3D_interfering_volume_emergency_route					0	0
SON_Rettungsweg_Text	40207	Text_Rettungsweg	SON_emergency_route_text	text_emergency_route					0	0
SON_Beschriftung	40172	Beschriftung	SON_labeling	labeling					0	0
SON_Legende_2D	40173	2D_Legende	SON_legend_2D	2D_legend					0	0
SON_Legende_Text	40174	Text_Legende	SON_legend_text	text_legend					0	0
SON_Entsorgung_2D	40187	2D_Entsorgung	SON_waste_disposal_2D	2D_waste_disposal					0	0
SON_Entsorgung_3D	40188	3D_Entsorgung	SON_waste_disposal_3D	3D_waste_disposal					0	0
SON_Entsorgung_Stoerkontur_2D	40189	2D_Entsorgung_Stoerkontur	SON_waste_disposal_interfering_contour_2D	2D_waste_disposal_interfering contour					0	0
SON_Entsorgung_Stoervolumen_3D	40190	3D_Entsorgung_Stoervolumen	SON_waste_disposal_interfering_volume_3D	3D_waste_disposal_interfering volume					0	0
SON_Entsorgung_Text	40191	Text_Entsorgung	SON_waste_disposal_text	text_waste_disposal					0	0
SON_Hinweistexte_und_-linien	40193	Hinweistexte und Linien	SON_information_text_lines	text_lines_information					0	0
SON_Hinweislinien_2D	40198	Hinweislinien	SON_information_lines	information_lines					0	0
SON_Hinweistexte_Hilfe_Zellen_2D	40194	2D_Hinweistexte_Hilfe_Zellen	SON_information_text_help_cells_2D	text_help_cells_information					0	0
SON_Hinweistexte_Gefahrensymbole_2D	40195	2D_Hinweistexte_Gefahrensymbole	SON_information_text_hazard_symbols_2D	text_hazard_symbols_information					0	0
SON_Arbeitsplattform_3D	40221	3D_Arbeitsplattform	SON_working_stage_3D	3D_working_stage					0	0
SON_Arbeitsplattform_2D	40222	2D_Arbeitsplattform	SON_working_stage_2D	2D_working_stage					0	0
SON_Arbeitsplattform_Basispolygon_2D	40223	2D_Arbeitsplattform_Basispolygon	SON_working_stage_polygon_2D	2D_working_stage_polygon					0	0
SON_Arbeitsplattform_Stoervolumen_3D	40224	3D_Arbeitsplattform_Stoervolumen	SON_working_stage_interfering_volume_3D	3D_working_stage_interfering volume					0	0
SON_Arbeitsplattform_Text	40225	Text_Arbeitsplattform	SON_working_stage_text	text_working_stage					0	0
SON_Randzellen_3D	40202	3D_Randzellen	SON_border_cells_3D	3D_border_cells					0	0
SON_Randzellen_2D	40203	2D_Randzellen	SON_border_cells_2D	2D_border_cells					0	0
SON_Wartungsraum_3D	40210	3D_Wartungsraum	SON_maintenance_room_3D	3D_maintenance_room					0	0

Die Ebenen der verschiedenen Layout-Zuordnungen finden Sie analog in der Toolbar "BMW Karosseriebau-Ebenen (sog. MyBar-Menü)" in MicroStation. /
The Levels of the various layout mappings are similarly in the toolbar "BMW body-in-white levels (called: "MyBar-Menü") in MicroStation.
(exklusive zusätzlicher Ebenen für das Venturis Layouttool / exclusive additional Levels for the Venturis Layouttool)

Ebenenname / Levelname	Nr.	Beschreibung	Levelname (only translation)	Description	Farbe/Color	Füllfarbe/ Filling Color	Strichart/ Line Type	Strichstärke/ Line Weight
TRICAD-Level (similar to the Levels in the MyBar-Menü)								
15, Tricad EHB / EMS								
2D_EHB1	101		2D_EMS1 (mono_rail_system)					0 0
3D_EHB1	102	3D-Anteil der EHB	3D_EMS1 (mono_rail_system)					0 0
3D_HALTEBUEGEL	103		3D_retaining_clip					0 0
3D_EHB1_HEBER	104		3D_EMS1_lifter (mono rail system)					0 0
2D_EHB2	105		2D_EMS2 (double_rail_system)					0 0
3D_EHB2	106		3D_EMS2 (double_rail_system)					0 0
3D_EHB2_HEBER	107		3D_EMS2_lifter (double_rail_system)					0 0
16, Tricad Rollenförderer / roller conveyor system								
2D_ROLLENFOERDERER1	108		roller_conveyor_single-lane_2D					0 0
2D_ROLLENFOERDERER1_ROLLEN	109		roller_conveyor_single-lane_rolls_2D					0 0
3D_ROLLENFOERDERER1	110		roller_conveyor_single-lane_3D					0 0
3D_ROLLENFOERDERER1_TISCHE	111		roller_conveyor_single-lane_boards_3D					0 0
3D_ROLLENFOERDERER1_HEBER	112		roller_conveyor_single-lane_lifter_3D					0 0
17, Tricad Skid Plattenband Schubplattform / Skid								
2D_SKID	120		skid_2D					0 0
2D_SKID_ROLLEN	121		skid_rolls_2D					0 0
3D_SKID	122		skid_3D					0 0
3D_SKID_TISCHE	123		skid_turntable_3D					0 0
3D_SKID_HEBER	124		skid_lifter_3D					0 0
2D_PLATTENBAND1	125		slat_conveyor_single-lane_2D					0 0
3D_PLATTENBAND1	126		slat_conveyor_single-lane_3D					0 0
2D_PLATTENBAND2	127		slat_conveyor_double-lane_2D					0 0
3D_PLATTENBAND2	128		slat_conveyor_double-lane_3D					0 0
2D_SCHUBPLATTFORM	129		push_platform_2D					0 0
3D_SCHUBPLATTFORM	130		push_platform_3D					0 0
3D_SCHUBPLATTFORM_WAGEN	131		push_platform_carriage_3D					0 0
3D_SCHUBPLATTFORM_HEBER	164		push_platform_lifter_3D					0 0
18, Tricad Gurtband, Tragkettenförderer, E-Palettenbahn / belt conveyor systems								
2D_GURTBAND1	132		single_belt_2D					0 0
3D_GURTBAND1	133		single_belt_3D					0 0
3D_GURTBAND1_TISCHE	134		single_belt_boards_3D					0 0
3D_GURTBAND1_HEBER	135		single_belt_lifter_3D					0 0
2D_GURTBAND2	136		double_belt_2D					0 0
3D_GURTBAND2	137		double_belt_3D					0 0
3D_GURTBAND2_TISCHE	138		double_belt_boards_3D					0 0
3D_GURTBAND2_HEBER	139		double_belt_lifter_3D					0 0
2D_TRAGKETTENFOERDERER	140		slat_chain_conveyor_2D					0 0
3D_TRAGKETTENFOERDERER	141		slat_chain_conveyor_3D					0 0
3D_TRAGKETTENFOERDERER_TISCHE	142		slat_chain_conveyor_boards_3D					0 0
3D_TRAGKETTENFOERDERER_HEBER	143		slat_chain_conveyor_lifter_3D					0 0
2D_ELEKTROPALETtenBAHN	144		electro_pallet_conveyor_2D					0 0
3D_ELEKTROPALETtenBAHN	145		electro_pallet_conveyor_3D					0 0
3D_ELEKTROPALETtenBAHN_TISCHE	146		electro_pallet_conveyor_boards_3D					0 0
19, Tricad Power&Free Kreislöser, Seilhaengebahn / power & free								
2D_POWER_AND_FREE	149		power_and_free_2D					0 0
3D_POWER_AND_FREE	150		power_and_free_3D					0 0
2D_KREISFOERDERER	157		circulation_conveyor_2D					0 0
3D_KREISFOERDERER	158		circulation_conveyor_3D					0 0
2D_SEILHAENGEBAHN	159		cable_trolley_conveyor_2D					0 0
3D_SEILHAENGEBAHN	160		cable_trolley_conveyor_3D					0 0
3D_SEILHAENGEBAHN_HEBER	161		cable_trolley_conveyor_lifter_3D					0 0
20, Tricad E-Tragbahn, E-Flurbahn, Unterflurförderer / electro conveyor systems								
2D_ELEKTROTRAGBAHN	151		inverted_mono_rail_system_2D					0 0
3D_ELEKTROTRAGBAHN	152		inverted_mono_rail_system_3D					0 0
3D_ELEKTROTRAGBAHN_HEBER	153		inverted_mono_rail_system_lifter_3D					0 0
2D_ELEKTROFLURBAHN	154		floor_conveyor_2D					0 0
3D_ELEKTROFLURBAHN	155		floor_conveyor_3D					0 0
3D_ELEKTROFLURBAHN_HEBER	156		floor_conveyor_lifter_3D					0 0
2D_UNTERFLURFOERDERER	162		below_floor_conveyor_2D					0 0
3D_UNTERFLURFOERDERER	163		below_floor_conveyor_3D					0 0
21, Tricad Schlepp- und Huelkurven / volume & envelope functions								
SCHLEPP_WEG	212		volume_analysis_route					0 0
SCHLEPP_FAHRZEUG	213		volume_analysis_envelope_assembly					0 0
SCHLEPP_MARKIERUNG	214		volume_analysis_marker					0 0
22, Tricad Bühnentechnik / platform								
BODENPROFILE_2D	260		floor_profile_2D					0 0
MITTELLINE_2D	262		centerline_axis					0 0
STUETZEN_2D	263		supports_2D					0 0
BUEHNENAUFPLAGE_2D	264		platform_support_2D					0 0
TREPPEN_2D	265		stairs_steps_2D					0 0
LEITERN_2D	266		ladder_2D					0 0
GELAENDER_2D	267		safety_rails_2D					0 0
BODENPROFILE_3D	271		floor_profile_3D					0 0
BOEDEN_3D	272		base_plate_3D					0 0
STAHLTRAEGER_3D	273		steel_carrier_3D					0 0
STUETZEN_3D	274		supports_3D					0 0
BUEHNENAUFPLAGE_3D	275		platform_support_3D					0 0
TREPPEN_3D	276		stairs_steps_3D					0 0
LEITERN_3D	277		ladder_3D					0 0
GELAENDER_3D	278		safety_rails_3D					0 0
PLATTEN_3D	279		plates_3D					0 0
3D_STAHL	280		functional_steel_3D					0 0
23, Tricad Kran / Crane								
3D_SCHLITTEN	281		skid_3D					0 0
3D_KATZENFAHRWERK	283		robot_removal_rail_3D					0 0
3D_SCHIENE	284		rail_3D					0 0
24, Tricad Sonstiges / others								
3D_MOTOREN	165		motor_3D					0 0
2D_PENDELFOERDERER	166		pendulum_conveyor_2D					0 0
3D_PENDELFOERDERER	167		pendulum_conveyor_3D					0 0
2D_PENDELFOERDERER_ACHSE	168		pendulum_conveyor_axis_2D					0 0
3D_PENDELFOERDERER_ACHSE	169		pendulum_conveyor_axis_3D					0 0
3D_KREISFOERDERER_HEBER	170		circulation_conveyor_lifter_3D					0 0
2D_MOTOREN	171		motor_2D					0 0
2D_EHB1_HEBER	172		2D_EMS1_lifter (mono rail system)					0 0
2D_EHB2_HEBER	173		2D_EMS2 (double_rail_system)					0 0
2D_GURTBAND1_HEBER	174		single_belt_lifter_2D					0 0
2D_GURTBAND2_HEBER	175		double_belt_lifter_2D					0 0
2D_POWER_AND_FREE_HEBER	176		power_and_free_lifter_2D					0 0
2D_SCHUBPLATTFORM_HEBER	177		push_platform_lifter_2D					0 0
2D_SEILHAENGEBAHN_HEBER	178		cable_trolley_conveyor_lifter_2D					0 0

Die Ebenen der verschiedenen Layout-Zuordnungen finden Sie analog in der Toolbar "BMW Karosseriebau-Ebenen (sog. MyBar-Menü)" in MicroStation. /
The Levels of the various layout mappings are similarly in the toolbar "BMW body-in-white levels (called: "MyBar-Menü") in MicroStation.
(exklusive zusätzlicher Ebenen für das Venturis Layouttool / exclusive additional Levels for the Venturis Layouttool)

Ebenenname / Levelname	Nr.	Beschreibung	Levelname (only translation)	Description	Farbe/Color	Füllfarbe/ Filling Color	Strichart/ Line Type	Strichstärke/ Line Weight
2D_SKID_HEBER	180		skid_lifter_2D					
2D_TRAGKETTENFOERDERER_HEBER	181		slat_chain_conveyor_lifter_2D					
2D_VARIOSHUTTLE_HEBER	182		vario_shuttle_lifter_2D					
3D_POWER_AND_FREE_HEBER	183		power_and_free_lifter_3D					
3D_VARIOSHUTTLE_HEBER	184		vario_shuttle_lifter_3D					
2D_RODIP	200		rodip_2D				0	0
3D_RODIP	201		rodip_3D				0	0
2D_RODIP_ACHSE	202		rodip_axis_2D				0	0
3D_RODIP_ACHSE	203		rodip_axis_3D				0	0
2D_VARIOSHUTTLE	204		vario_shuttle_2D				0	0
3D_VARIOSHUTTLE	205		vario_shuttle_3D				0	0
2D_FTS	147		automated_guided_vehicle_sys_2D				0	0
3D_FTS	148		automated_guided_vehicle_sys_3D				0	0



Die Ebenen der verschiedenen Layout-Zuordnungen finden Sie analog in der Toolbar "BMW Karosseriebau-Ebenen (sog. MyBar-Menü)" in MicroStation. /
The Levels of the various layout mappings are similarly in the toolbar "BMW body-in-white levels (called: "MyBar-Menü") in MicroStation.
(exklusive zusätzlicher Ebenen für das Venturis Layouttool / exclusive additional Levels for the Venturis Layouttool)

Ebenenname / Levelname	Nr.	Beschreibung	Levelname (only translation)	Description	Farbe/Color	Füllfarbe/ Filling Color	Strichart/ Line Type	Strichstärke/ Line Weight
25, Tricad ohne Zuordnung								
2D_ROLLENFOERDERER2	115		roller_conveyor_double-lane_2D					
2D_ROLLENFOERDERER2_ROLLEN	116		roller_conveyor_double-lane_rolls_2D					
3D_ROLLENFOERDERER2	117		roller_conveyor_double-lane_3D					
3D_ROLLENFOERDERER2_TISCHE	118		roller_conveyor_double-lane_boards_3D					
3D_ROLLENFOERDERER2_HEBER	119		roller_conveyor_double-lane_lifter_3D					
2D_UNTERFANGSCHUTZ	208		pan_protection_2D					
3D_UNTERFANGSCHUTZ	209		pan_protection_3D					
WAND1_3D	257		wall1_3D					
WAND2_3D	258		wall2_3D					
2D	259		2D					
HOCHREGALLAGER_3D	290		high_bay_warehouse_3D					
RBG_2D	291	Regalbediengerat_2D	SRM_2D	Storage_and_retrieval_machines_2D				
RBG_SCHIENE_2D	292	Regalbediengerat_Schiene_2D	SRM_track_2D	Storage_and_retrieval_machines_track_2D				
RBG_TRAEGER_3D	293	Regalbediengerat_Traeger_3D	SRM_carrier_3D	Storage_and_retrieval_machines_carrier_3D				
RBG_TEILETRAEGER_3D	294	Regalbediengerat_Teiletraeger_3D	SRM_part_carrier_3D	Storage_and_retrieval_machines_part_carrier_3D				
RBG_SCHIENE_3D	295	Regalbediengerat_Schiene_3D	SRM_track_3D	Storage_and_retrieval_machines_track_3D				
RBG_KORB_3D	296	Regalbediengerat_Korb_3D	SRM_cage_3D	Storage_and_retrieval_machines_cage_3D				
RBG_ANTRIEB_3D	297	Regalbediengerat_Antrieb_3D	SRM_motor_3D	Storage_and_retrieval_machines_motor_3D				
RBG_STOERVOLUMEN_3D	298	Regalbediengerat_Stoervolumen_3D	SRM_interfering_volume_3D	Storage_and_retrieval_machines_interfering_volume_3D				

