



STRUCTURAL LAYERS (1 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-ACCS-ADIT	21	CONTINUOUS	Access: adits in galleries and passages
S-ACCS-CHAM	12	CONTINUOUS	Access: chambers
S-ACCS-EVTR	132	CONTINUOUS	Access: elevator
S-ACCS-GLRY	30	CONTINUOUS	Access: galleries, cross overs, trenches, etc.
S-ACCS-HTCH	46	CONTINUOUS	Access: hatch
S-ACCS-LADD	180	CONTINUOUS	Access: ladders & ladder assemblies
S-ACCS-MHOL	93	CONTINUOUS	Access: manholes
S-ACCS-MISC	93	CONTINUOUS	Access: miscellaneous
S-ACCS-STRS	131	CONTINUOUS	Access: stairs
S-ACCS-STRS-FRMG	149	CONTINUOUS	Access: stairs: framing
S-ACCS-TUNL	43	CONTINUOUS	Access: tunnel
S-ALGN-CNTR	YELLOW	GEN-CENTRE (COFC)	Alignment: centreline
S-ANNO-DIMS	12	CONTINUOUS	Annotation: dimensions
S-ANNO-NPLT	WHITE	CONTINUOUS	Annotation: no plot
S-ANNO-SYMB	12	CONTINUOUS	Annotation: symbols
S-ANNO-TABL	11	CONTINUOUS	Annotation: table
S-ANNO-TEXT	11	SAMPLE TEXT	Annotation: text
S-ARMR-CRNR	135	CONTINUOUS	Armour: corner protection, corner cap casting
S-ARMR-LINR	113	CONTINUOUS	Armour: protective liner (used for walls, culverts, etc.)
S-ARMR-MISC	135	CONTINUOUS	Armour: miscellaneous
S-ARMR-WALL	135	CONTINUOUS	Armour: wall
S-BEAM	240	CONTINUOUS	Beams
S-BEAM-ALUM	240	CONTINUOUS	Beams: aluminum
S-BEAM-CNTR	250	GEN-CENTRE (COFC)	Beam: centreline



STRUCTURAL LAYERS (2 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-BEAM-CONC	240	CONTINUOUS	Beams: concrete
S-BEAM-IDEN	50	SAMPLE TEXT	Beams: identification
S-BEAM-PRIM	242	CONTINUOUS	Beams: primary
S-BEAM-RBAR	142	CONTINUOUS	Beams: rebar
S-BEAM-SECD	202	CONTINUOUS	Beams: secondary
S-BEAM-STEL	240	CONTINUOUS	Beams: steel
S-BEAM-WOOD	240	CONTINUOUS	Beams: wood
S-BRCG	37	CONTINUOUS	Bracing
S-BRCG-ALUM	37	CONTINUOUS	Bracing: aluminum
S-BRCG-ALUM-HORZ	37	CONTINUOUS	Bracing: aluminum: horizontal
S-BRCG-ALUM-VERT	37	CONTINUOUS	Bracing: aluminum: vertical
S-BRCG-DIA~	161	CONTINUOUS	Bracing: diagonal
S-BRCG-HORZ	161	CONTINUOUS	Bracing: horizontal
S-BRCG-METL	37	CONTINUOUS	Bracing: metal
S-BRCG-STEL	37	CONTINUOUS	Bracing: steel
S-BRCG-STEL-HORZ	37	CONTINUOUS	Bracing: steel: horizontal
S-BRCG-STEL-VERT	37	CONTINUOUS	Bracing: steel: vertical
S-BRCG-VERT	144	CONTINUOUS	Bracing: vertical
S-BRCG-WOOD	37	CONTINUOUS	Bracing: wood
S-BRCG-WOOD-HORZ	37	CONTINUOUS	Bracing: wood: horizontal
S-BRCG-WOOD-VERT	37	CONTINUOUS	Bracing: wood: vertical
S-BRDG-ABUT	110	CONTINUOUS	Bridge: abutments
S-BRDG-ABUT-RBAR	142	CONTINUOUS	Bridge: abutments: rebar
S-BRDG-BEAR	167	CONTINUOUS	Bridge: bearing



STRUCTURAL LAYERS (3 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-BRDG-BEAR-CNTR	250	GEN-CENTRE (COFC)	Bridge: bearing: centreline
S-BRDG-BENT	80	CONTINUOUS	Bridge: bent: cap
S-BRDG-BENT-CNTR	250	GEN-CENTRE (COFC)	Bridge: bent: centreline
S-BRDG-BENT-RBAR	142	CONTINUOUS	Bridge: bent: cap: rebar
S-BRDG-CURB	53	CONTINUOUS	Bridge: curb
S-BRDG-DIAP	130	CONTINUOUS	Bridge: diaphragm
S-BRDG-DIAP-RBAR	142	CONTINUOUS	Bridge: diaphragm: rebar
S-BRDG-DRNS	12	CONTINUOUS	Bridge: drains
S-BRDG-FENC	80	CONTINUOUS	Bridge: fences
S-BRDG-FEND	73	CONTINUOUS	Bridge: fenders
S-BRDG-GIRD	81	CONTINUOUS	Bridge: girders
S-BRDG-GIRD-CNTR	250	GEN-CENTRE (COFC)	Bridge: girder: centreline
S-BRDG-HEAD	110	CONTINUOUS	Bridge: headers
S-BRDG-PIER	110	CONTINUOUS	Bridge: piers
S-BRDG-STRG	202	CONTINUOUS	Bridge: stringers
S-COLS	50	CONTINUOUS	Columns
S-COLS-ABLT	30	CONTINUOUS	Columns: anchor bolts
S-COLS-ALUM	YELLOW	CONTINUOUS	Columns: aluminum
S-COLS-CNTR	250	GEN-CENTRE (COFC)	Columns: centreline
S-COLS-CONC	50	CONTINUOUS	Columns: concrete
S-COLS-IDEN	50	SAMPLE TEXT	Columns: identification
S-COLS-PRIM	80	CONTINUOUS	Columns: primary
S-COLS-RBAR	142	CONTINUOUS	Columns: rebar
S-COLS-SECD	95	CONTINUOUS	Columns: secondary



STRUCTURAL LAYERS (4 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-COLS-SHRT	96	CONTINUOUS	Columns: short
S-COLS-STEL	50	CONTINUOUS	Columns: steel
S-COLS-WOOD	50	CONTINUOUS	Columns: wood
S-DECK	12	CONTINUOUS	Deck
S-DECK-BRDG	12	CONTINUOUS	Deck: bridge
S-DECK-BRDG-RBAR	142	CONTINUOUS	Deck: bridge: rebar
S-DECK-FLOR	81	CONTINUOUS	Deck: floor
S-DECK-FLOR-OPNG	20	JIS_02_2.0	Deck: floor: openings
S-DECK-RBAR	142	CONTINUOUS	Deck: rebar
S-DECK-ROOF	64	CONTINUOUS	Deck: roof
S-DECK-ROOF-OPNG	20	CONTINUOUS	Deck: roof: openings
S-DETL-1XWD-BLCK	CYAN	CONTINUOUS	Detail: extra wide lines 0.70 mm: black
S-DETL-1XWD-GREY	140	CONTINUOUS	Detail: extra wide lines 0.70 mm: grey
S-DETL-2XWD-BLCK	MAGENTA	CONTINUOUS	Detail: double extra wide lines 1.00 mm: black
S-DETL-2XWD-GREY	213	CONTINUOUS	Detail: double extra wide lines 1.00 mm: grey
S-DETL-DIMS	12	CONTINUOUS	Detail: dimensions
S-DETL-FINE-BLCK	247	CONTINUOUS	Detail: fine lines 0.18 mm: black
S-DETL-FINE-GREY	250	CONTINUOUS	Detail: fine lines 0.18 mm: grey
S-DETL-HTCH	8	CONTINUOUS	Detail: hatch
S-DETL-HTCH-WIDE	34	CONTINUOUS	Detail: hatch (for dot patterns)
S-DETL-MEDM-BLCK	RED	CONTINUOUS	Detail: medium lines 0.35 mm: black
S-DETL-MEDM-GREY	14	CONTINUOUS	Detail: medium lines 0.35 mm: grey
S-DETL-SHDE	9	CONTINUOUS	Detail: shading
S-DETL-TEXT	11	SAMPLE TEXT	Detail: text



STRUCTURAL LAYERS (5 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-DETL-THIN-BLCK	50	CONTINUOUS _____	Detail: thin lines 0.25 mm: black
S-DETL-THIN-GREY	35	CONTINUOUS _____	Detail: thin lines 0.25 mm: grey
S-DETL-UFIN-BLCK	171	CONTINUOUS _____	Detail: ultra fine lines 0.05 mm: black
S-DETL-UFIN-GREY	154	CONTINUOUS _____	Detail: ultra fine lines 0.05 mm: grey
S-DETL-WIDE-BLCK	WHITE	CONTINUOUS _____	Detail: wide lines 0.50 mm: black
S-DETL-WIDE-GREY	74	CONTINUOUS _____	Detail: wide lines 0.50 mm: grey
S-DETL-XFIN-BLCK	29	CONTINUOUS _____	Detail: extra fine lines 0.13 mm: black
S-DETL-XFIN-GREY	8	CONTINUOUS _____	Detail: extra fine lines 0.13 mm: grey
S-ELEV-1XWD-BLCK	CYAN	CONTINUOUS _____	Elevation: extra wide lines 0.70 mm: black
S-ELEV-1XWD-GREY	140	CONTINUOUS _____	Elevation: extra wide lines 0.70 mm: grey
S-ELEV-2XWD-BLCK	MAGENTA	CONTINUOUS _____	Elevation: double extra wide lines 1.00 mm: black
S-ELEV-2XWD-GREY	213	CONTINUOUS _____	Elevation: double extra wide lines 1.00 mm: grey
S-ELEV-DIMS	12	CONTINUOUS _____	Elevation: dimensions
S-ELEV-FINE-BLCK	247	CONTINUOUS _____	Elevation: fine lines 0.18 mm: black
S-ELEV-FINE-GREY	250	CONTINUOUS _____	Elevation: fine lines 0.18 mm: grey
S-ELEV-HTCH	8	CONTINUOUS _____	Elevation: hatch
S-ELEV-HTCH-WIDE	34	CONTINUOUS _____	Elevation: hatch (for dot patterns)
S-ELEV-MEDM-BLCK	RED	CONTINUOUS _____	Elevation: medium lines 0.35 mm: black
S-ELEV-MEDM-GREY	14	CONTINUOUS _____	Elevation: medium lines 0.35 mm: grey
S-ELEV-SHDE	9	CONTINUOUS _____	Elevation: shading
S-ELEV-TEXT	11	SAMPLE TEXT	Elevation: text
S-ELEV-THIN-BLCK	50	CONTINUOUS _____	Elevation: thin lines 0.25 mm: black
S-ELEV-THIN-GREY	35	CONTINUOUS _____	Elevation: thin lines 0.25 mm: grey
S-ELEV-UFIN-BLCK	171	CONTINUOUS _____	Elevation: ultra fine lines 0.05 mm: black



STRUCTURAL LAYERS (6 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-ELEV-UFIN-GREY	154	CONTINUOUS	Elevation: ultra fine lines 0.05 mm: grey
S-ELEV-WIDE-BLCK	WHITE	CONTINUOUS	Elevation: wide lines 0.50 mm: black
S-ELEV-WIDE-GREY	74	CONTINUOUS	Elevation: wide lines 0.50 mm: grey
S-ELEV-XFIN-BLCK	29	CONTINUOUS	Elevation: extra fine lines 0.13 mm: black
S-ELEV-XFIN-GREY	8	CONTINUOUS	Elevation: extra fine lines 0.13 mm: grey
S-EROS-BARR	215	CONTINUOUS	Erosion protection: vapor/capillary water barriers
S-EROS-GABN	241	CONTINUOUS	Erosion protection: gabions
S-EROS-RRAP	222	CONTINUOUS	Erosion protection: riprap
S-EROS-SPAV	241	CONTINUOUS	Erosion protection: slope paving
S-FABR-EMBD	190	CONTINUOUS	Fabricated: embedded metals (framing around openings)
S-FABR-HOIS	144	CONTINUOUS	Fabricated: hoist structures
S-FABR-HOOK	144	CONTINUOUS	Fabricated: line hooks, lifting hooks, check posts etc.
S-FABR-MOOR	144	CONTINUOUS	Fabricated: mooring
S-FABR-PL~~	144	CONTINUOUS	Fabricated: plates
S-FABR-TRSH	144	CONTINUOUS	Fabricated: trash racks, intake screens
S-FNDN	43	CONTINUOUS	Foundation
S-FNDN-ANCH	43	CONTINUOUS	Foundation: anchorages
S-FNDN-BLRD	43	CONTINUOUS	Foundation: bollards
S-FNDN-CNTR	250	GEN-CENTRE (COFC)	Foundation: centreline
S-FNDN-DRNS	23	CONTINUOUS	Foundation: drainage features and objects
S-FNDN-FTNG	43	CONTINUOUS	Foundation: footings
S-FNDN-FTNG-RBAR	142	CONTINUOUS	Foundation: footing: rebar
S-FNDN-GRBM	54	CONTINUOUS	Foundation: grade beams
S-FNDN-PCAP	54	CONTINUOUS	Foundation: pile caps



STRUCTURAL LAYERS (7 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-FNDN-PEDS	41	CONTINUOUS	Foundation: pedestals/pads
S-FNDN-PIER	92	CONTINUOUS	Foundation: piers
S-FNDN-PILE	44	CONTINUOUS	Foundation: piles
S-FNDN-PL~~	225	CONTINUOUS	Foundation: plates
S-FNDN-RBAR	142	CONTINUOUS	Foundation: rebar
S-FNDN-RIBS	54	CONTINUOUS	Foundation: ribbed mat foundation
S-FNDN-TRMT	51	CONTINUOUS	Foundation: treatment (grouting)
S-FNDN-TUNL	43	CONTINUOUS	Foundation: tunnel
S-FRAM	18	CONTINUOUS	Frame: braced or moment
S-FSTN	225	CONTINUOUS	Fasteners and connections
S-FSTN-ABLT	225	CONTINUOUS	Fasteners and connections: Anchor bolts
S-FSTN-MISC	225	CONTINUOUS	Fasteners and connections: (non-specific)
S-FSTN-PL~~	225	CONTINUOUS	Fasteners and connections: plates
S-GATE	30	CONTINUOUS	Gate
S-GATE-ANCH	30	CONTINUOUS	Gate: anchorages
S-GATE-ANCH-DEAD	30	CONTINUOUS	Gate: anchorages: dead man
S-GATE-ARMS	161	CONTINUOUS	Gate: arm
S-GATE-AXIS	250	GEN-CENTRE (COFC)	Gate: axis and centerlines
S-GATE-BLKH	130	CONTINUOUS	Gate: bulkhead
S-GATE-BLKH-NDLB	202	CONTINUOUS	Gate: bulkhead needles beam
S-GATE-BLKH-NDLS	225	CONTINUOUS	Gate: bulkhead needles
S-GATE-CONN	30	CONTINUOUS	Gate: connects, links
S-GATE-DIA~	225	CONTINUOUS	Gate: diagonal
S-GATE-DIA~-CHAN	225	CONTINUOUS	Gate: diagonal: channels



STRUCTURAL LAYERS (8 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-GATE-DIA~-GUST	225	CONTINUOUS	Gate: diagonal: gusset plate
S-GATE-DIA~-SUPT	225	CONTINUOUS	Gate: diagonal: support
S-GATE-DIAP	130	CONTINUOUS	Gate: diaphragms
S-GATE-FEND	73	CONTINUOUS	Gate: fenders
S-GATE-FLNG	130	CONTINUOUS	Gate: flange
S-GATE-FLNG-DNST	130	CONTINUOUS	Gate: flange: downstream
S-GATE-FLNG-GIRD	30	CONTINUOUS	Gate: flange: girder
S-GATE-FLNG-UPST	130	CONTINUOUS	Gate: flange: upstream
S-GATE-GIRD-WEB~	180	CONTINUOUS	Gate: girder: web
S-GATE-GUDG	220	CONTINUOUS	Gate: gudgeon
S-GATE-GUDG-HOOD	220	CONTINUOUS	Gate: gudgeon: hood
S-GATE-GUDG-HUB~	220	CONTINUOUS	Gate: gudgeon: hub
S-GATE-GUDG-PINS	220	CONTINUOUS	Gate: gudgeon: pins
S-GATE-GUDG-STIF	220	CONTINUOUS	Gate: gudgeon (hood): stiffener
S-GATE-GUDG-SUPT	220	CONTINUOUS	Gate: gudgeon (pin): support
S-GATE-GUID	167	CONTINUOUS	Gate: rails and guides
S-GATE-HORZ	211	CONTINUOUS	Gate: horizontal
S-GATE-ICST	132	CONTINUOUS	Gate: intercostals
S-GATE-JACK	130	CONTINUOUS	Gate: jack
S-GATE-JACK-HORZ	130	CONTINUOUS	Gate: jack: horizontal
S-GATE-JACK-VERT	130	CONTINUOUS	Gate: jack: vertical
S-GATE-LIFT	144	CONTINUOUS	Gate: lifting
S-GATE-LTCH	130	CONTINUOUS	Gate: latching device
S-GATE-LTCH-BOTM	130	CONTINUOUS	Gate: latching device: bottom



STRUCTURAL LAYERS (9 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-GATE-LTCH-TOP~	30	CONTINUOUS	Gate: latching device: top
S-GATE-LUBE	172	CONTINUOUS	Gate: lubrication system
S-GATE-MISC	172	CONTINUOUS	Gate: miscellaneous
S-GATE-MITR-ASSY	167	CONTINUOUS	Gate: miter guide: assembly
S-GATE-PINS	30	CONTINUOUS	Gate: pins
S-GATE-PNTL	30	CONTINUOUS	Gate: pintle
S-GATE-PNTL-CAST	64	CONTINUOUS	Gate: pintle: casting
S-GATE-QOIN	167	CONTINUOUS	Gate: quoin
S-GATE-QOIN-FLNG	167	CONTINUOUS	Gate: quoin: flange
S-GATE-QOIN-MITR	167	CONTINUOUS	Gate: quoin: miter
S-GATE-QOIN-STIF	167	CONTINUOUS	Gate: quoin: stiffener
S-GATE-QOIN-TRST	167	CONTINUOUS	Gate: quoin: thrust plate
S-GATE-QOIN-WALL	167	CONTINUOUS	Gate: quoin: wall
S-GATE-QOIN-WEB~	167	CONTINUOUS	Gate: quoin: web
S-GATE-SEAL	222	CONTINUOUS	Gate: seal
S-GATE-SEAL-HORZ	222	CONTINUOUS	Gate: seal: horizontal
S-GATE-SEAL-VERT	222	CONTINUOUS	Gate: seal: vertical
S-GATE-SHOE	144	CONTINUOUS	Gate: shoe
S-GATE-SKIN	144	CONTINUOUS	Gate: skin plates
S-GATE-SLOG	43	CONTINUOUS	Gate: stoplogs
S-GATE-STIF	130	CONTINUOUS	Gate: stiffener
S-GATE-STIF-LONG	130	CONTINUOUS	Gate: stiffener: longitudinal
S-GATE-STIF-TRAV	130	CONTINUOUS	Gate: stiffener: transverse
S-GATE-THBL	241	CONTINUOUS	Gate: thimble



STRUCTURAL LAYERS (10 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-GATE-TRST	113	CONTINUOUS	Gate: thrust plate
S-GATE-TRUN	220	CONTINUOUS	Gate: trunion
S-GATE-VALV	202	CONTINUOUS	Gate: valves
S-GATE-VERT	144	CONTINUOUS	Gate: vertical
S-GATE-WALK	132	CONTINUOUS	Gate: walkway
S-GATE-WALK-FRMG	132	CONTINUOUS	Gate: walkway: framing
S-GATE-WALK-GRTG	132	CONTINUOUS	Gate: walkway: grating
S-GATE-WALK-SUPT	132	CONTINUOUS	Gate: walkway: support
S-GATE-WEB~	180	CONTINUOUS	Gate: web
S-GRID-EXTR	145	GEN-CENTRE (COFC)	Grid: exterior
S-GRID-HORZ	145	GEN-CENTRE (COFC)	Grid: horizontal
S-GRID-HORZ-IDEN	50	SAMPLE TEXT	Grid: horizontal: identification
S-GRID-INTR	145	GEN-CENTRE (COFC)	Grid: interior
S-GRID-VERT	145	GEN-CENTRE (COFC)	Grid: vertical
S-GRID-VERT-IDEN	50	SAMPLE TEXT	Grid: vertical: identification
S-GRLN-SURF-AREA	23	CONTINUOUS	Grade line: surface: area
S-GRLN-SURF-AREA-E	33	JIS_02_4.0	Grade line: surface: area: existing
S-GRLN-SURF-AREA-N	43	CONTINUOUS	Grade line: surface: area: new
S-GRTG	251	CONTINUOUS	Grating
S-GRTG-OVHD	251	CONTINUOUS	Grating: overhead
S-HYDR	113	CONTINUOUS	Hydraulic structure
S-HYDR-AXIS	250	GEN-DASH DOT (COFC)	Hydraulic structure: axis
S-HYDR-BAFL	113	CONTINUOUS	Hydraulic structure: baffle blocks, splash pads
S-HYDR-BASN	113	CONTINUOUS	Hydraulic structure: stilling and settling basins



STRUCTURAL LAYERS (11 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-HYDR-CHAN	113	CONTINUOUS	Hydraulic structure: channel
S-HYDR-CNDT	113	CONTINUOUS	Hydraulic structure: diversionary/bypass conduits and culverts
S-HYDR-COFF	113	CONTINUOUS	Hydraulic structure: cofferdam
S-HYDR-DAM~	113	CONTINUOUS	Hydraulic structure: dam
S-HYDR-FISH	113	CONTINUOUS	Hydraulic structure: fish ladder or passage
S-HYDR-FLUM	113	CONTINUOUS	Hydraulic structure: flume
S-HYDR-INTK	113	CONTINUOUS	Hydraulic structure: intake, outlet
S-HYDR-NOVR	113	CONTINUOUS	Hydraulic structure: non-overflow structures
S-HYDR-PENS	113	CONTINUOUS	Hydraulic structure: penstock outline and features
S-HYDR-PWRH	113	CONTINUOUS	Hydraulic structure: powerhouse
S-HYDR-SWAY	113	CONTINUOUS	Hydraulic structure: spillway
S-HYDR-WEIR	113	CONTINUOUS	Hydraulic structure: weir
S-JNTS	124	CONTINUOUS	Joints
S-JNTS-CNTJ	124	CONTINUOUS	Joints: construction joint
S-JNTS-CTLJ	124	CONTINUOUS	Joints: control joint
S-JNTS-EXPJ	124	CONTINUOUS	Joints: expansion joint
S-JNTS-STUC	124	CONTINUOUS	Joints: stucco
S-JNTS-WTRS	124	CONTINUOUS	Joints: waterstops
S-JOIS	135	CONTINUOUS	Joists
S-JOIS-BRGX	135	CONTINUOUS	Joists: bridging
S-JOIS-GIRD	135	CONTINUOUS	Joists: girders
S-JOIS-PERI	135	CONTINUOUS	Joists: perimeter
S-JOIS-PRIM	135	CONTINUOUS	Joists: primary
S-JOIS-SECD	135	CONTINUOUS	Joists: secondary








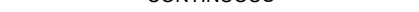
















STRUCTURAL LAYERS (12 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-JOIS-TRIM	135	CONTINUOUS	Joists: trimmer floor
S-LNTL	187	CONTINUOUS	Lintels
S-OTLN-BLDG	172	GEN-DASH DOUBLE DOT (COFC)	Outline: building
S-OTLN-FLOR	172	GEN-DASH DOUBLE DOT (COFC)	Outline: floor
S-OTLN-MISC	172	GEN-DASH DOUBLE DOT (COFC)	Outline: miscellaneous
S-OTLN-OPNG	172	GEN-DASH DOUBLE DOT (COFC)	Outline: openings
S-OTLN-ROOF	172	GEN-DASH DOUBLE DOT (COFC)	Outline: roof
S-PADS	21	CONTINUOUS	Pads
S-PADS-EQPM	21	CONTINUOUS	Pads: equipment
S-PIPE-CULV	201	CONTINUOUS	Pipe: culverts (precast / manufactured)
S-PLAT	202	CONTINUOUS	Platform
S-PLAT-FRMG	202	CONTINUOUS	Platform: framing
S-PLAT-GRTG	121	CONTINUOUS	Platform: grating
S-PLAT-WALK	23	CONTINUOUS	Platform: walkway
S-REFR	WHITE	CONTINUOUS	Reference: external files (images, pdfs, xrefs, etc)
S-REIN-RBAR	142	CONTINUOUS	Reinforcing: rebar
S-REIN-TEND-HORZ	152	CONTINUOUS	Reinforcing: tendons: horizontal
S-REIN-TEND-VERT	152	CONTINUOUS	Reinforcing: tendons: vertical
S-SAFT-FENC	80	CONTINUOUS	Safety: fences
S-SAFT-GRAL	64	CONTINUOUS	Safety: guardrails
S-SAFT-HRAL	80	CONTINUOUS	Safety: handrails, railings
S-SAFT-PRPT	110	CONTINUOUS	Safety: parapet
S-SAFT-PRPT-RBAR	142	CONTINUOUS	Safety: parapet: rebar
S-SAFT-WATR	80	CONTINUOUS	Safety: waterway safety barriers



STRUCTURAL LAYERS (13 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-SECT-1XWD-BLCK	CYAN	CONTINUOUS 	Section: extra wide lines 0.70 mm: black
S-SECT-1XWD-GREY	140	CONTINUOUS 	Section: extra wide lines 0.70 mm: grey
S-SECT-2XWD-BLCK	MAGENTA	CONTINUOUS 	Section: double extra wide lines 1.00 mm: black
S-SECT-2XWD-GREY	213	CONTINUOUS 	Section: double extra wide lines 1.00 mm: grey
S-SECT-DIMS	12	CONTINUOUS 	Section: dimensions
S-SECT-FINE-BLCK	247	CONTINUOUS 	Section: fine lines 0.18 mm: black
S-SECT-FINE-GREY	250	CONTINUOUS 	Section: fine lines 0.18 mm: grey
S-SECT-HTCH	8	CONTINUOUS 	Section: hatch
S-SECT-HTCH-WIDE	34	CONTINUOUS 	Section: hatch (for dot patterns)
S-SECT-MEDM-BLCK	RED	CONTINUOUS 	Section: medium lines 0.35 mm: black
S-SECT-MEDM-GREY	14	CONTINUOUS 	Section: medium lines 0.35 mm: grey
S-SECT-SHDE	9	CONTINUOUS 	Section: shading
S-SECT-TEXT	11	SAMPLE TEXT	Section: text
S-SECT-THIN-BLCK	50	CONTINUOUS 	Section: thin lines 0.25 mm: black
S-SECT-THIN-GREY	35	CONTINUOUS 	Section: thin lines 0.25 mm: grey
S-SECT-UFIN-BLCK	171	CONTINUOUS 	Section: ultra fine lines 0.05 mm: black
S-SECT-UFIN-GREY	154	CONTINUOUS 	Section: ultra fine lines 0.05 mm: grey
S-SECT-VIEW	110	CONTINUOUS 	Section: view
S-SECT-VIEW-GRID-MAJR	250	CONTINUOUS 	Section: view: grid: major
S-SECT-VIEW-GRID-MINR	253	CONTINUOUS 	Section: view: grid: minor
S-SECT-VIEW-TEXT	11	SAMPLE TEXT	Section: view: text
S-SECT-WIDE-BLCK	WHITE	CONTINUOUS 	Section: wide lines 0.50 mm: black
S-SECT-WIDE-GREY	74	CONTINUOUS 	Section: wide lines 0.50 mm: grey
S-SECT-XFIN-BLCK	29	CONTINUOUS 	Section: extra fine lines 0.13 mm: black



STRUCTURAL LAYERS (14 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-SECT-XFIN-GREY	8	CONTINUOUS	Section: extra fine lines 0.13 mm: grey
S-SIGN	222	CONTINUOUS	Sign
S-SIGN-BOUY	244	CONTINUOUS	Sign: bouy
S-SIGN-FRMG	80	CONTINUOUS	Sign: framing
S-SIGN-GAGE	222	CONTINUOUS	Sign: gauge
S-SIGN-PANL	222	CONTINUOUS	Sign: panels
S-SIGN-SUPT	130	CONTINUOUS	Sign: supports
S-SIGN-TEXT	11	SAMPLE TEXT	Sign: text
S-SIGN-XTRU	222	CONTINUOUS	Sign: extrusion
S-SLAB	41	CONTINUOUS	Slab
S-SLAB-APPR	41	CONTINUOUS	Slab: approach
S-SLAB-APPR-RBAR	142	CONTINUOUS	Slab: approach: rebar
S-SLAB-CONC	41	CONTINUOUS	Slab: concrete
S-SLAB-EDGE	41	CONTINUOUS	Slab: edge
S-SLAB-OPNG	41	JIS_02_2.0	Slab: openings
S-SLAB-OPNX	41	CONTINUOUS	Slab: opening indication ("x")
S-SLAB-RBAR	142	CONTINUOUS	Slab: rebar
S-SLAB-SECD	41	CONTINUOUS	Slab: secondary
S-SLAB-SILL	41	CONTINUOUS	Slab: sill
S-SLAB-STEL	41	CONTINUOUS	Slab: steel
S-SLAB-WOOD	41	CONTINUOUS	Slab: wood
S-STIF	80	CONTINUOUS	Stiffener
S-STIF-LONG	80	CONTINUOUS	Stiffener: longitudinal
S-STIF-TRAV	80	CONTINUOUS	Stiffener: transverse



STRUCTURAL LAYERS (15 of 16)

LAYER NAME	COLOUR	LINETYPE/TEXT SAMPLE	DESCRIPTION
S-STRS	182	CONTINUOUS	Stairs
S-STRS-LADD	182	CONTINUOUS	Stairs: ladders & ladder assemblies
S-TRUS	152	CONTINUOUS	Truss
S-TRUS-BRGX	102	CONTINUOUS	Truss: bridging
S-TRUS-PRIM	152	CONTINUOUS	Truss: primary
S-TRUS-SECD	220	CONTINUOUS	Truss: secondary
S-WALK-FEND	73	CONTINUOUS	Walkway: fenders
S-WALK-MOOR	144	CONTINUOUS	Walkway: mooring
S-WALL	91	CONTINUOUS	Walls
S-WALL-ABOV	91	CONTINUOUS	Walls: above
S-WALL-ABUT	93	CONTINUOUS	Walls: abutments
S-WALL-CELL	51	CONTINUOUS	Walls: cell
S-WALL-CMUW	91	CONTINUOUS	Walls: concrete masonry unit
S-WALL-CONC	91	CONTINUOUS	Walls: concrete
S-WALL-CURT	92	CONTINUOUS	Walls: curtain
S-WALL-CUT~	30	CONTINUOUS	Walls: cutoff
S-WALL-FULL	80	CONTINUOUS	Walls: full-height
S-WALL-GARD	92	CONTINUOUS	Walls: guard (and/or guide)
S-WALL-LOAD	80	CONTINUOUS	Walls: load bearing
S-WALL-MONO	80	CONTINUOUS	Walls: monoliths
S-WALL-MSE~	92	CONTINUOUS	Walls: mechanically stabilized earth (MSE)
S-WALL-MSNW	91	CONTINUOUS	Walls: masonry
S-WALL-NONL	92	CONTINUOUS	Walls: non-load bearing
S-WALL-PCST	87	CONTINUOUS	Walls: pre-cast concrete



STRUCTURAL LAYERS (16 of 16)

[illegible]