Beth Israel Deaconess Medical Center
Appendix B | CAD Layer List

Linetypes are continuous unless noted otherwise. Custom linetypes are allowed as long as the linetype definition is embedded in the file. See the table at the end of the list for Linetype Codes.

☐ = any discipline code

Name	Description	Weight (mm)	Linetype Code
Annotation			
☐-ANNO-DIMS	Dimensions	0.18	
☐-ANNO-IDEN	Identification tags	0.18	
☐-ANNO-KEYN	Keynotes	0.18	
☐-ANNO-LABL	Labels	0.25	
☐-ANNO-LEGN	Legends, symbol keys	0.25	
☐-ANNO-LOGO	Company logos	0.18	
☐-ANNO-MARK	Markers, break marks, leaders	0.25	
☐-ANNO-MATC	Match lines	0.50	7
☐-ANNO-NOTE	Notes	0.25	
☐-ANNO-NPLT	Non-plotting graphic information	N/A	
☐-ANNO-PROS	Date / Time / File name stamp	0.25	
☐-ANNO-RDME	Read-me layer (not plotted)	N/A	
☐-ANNO-REFR	Reference, external files	N/A	
☐-ANNO-REVS	Revisions	0.18	
☐-ANNO-SCHD	Schedules	0.25	
☐-ANNO-STMP	Professional stamps	N/A	
☐-ANNO-SYMB	Reference symbols	0.18	
☐-ANNO-TABL	Data tables	0.25	
☐-ANNO-TEXT	Text	0.35	
☐-ANNO-TITL	Drawing or detail titles	0.35	
☐-ANNO-TTLB	Border and titleblock	Varies	
Architectural			
A-AREA-OCCP	Area: occupant or employee names	0.25	
A-AREA-OTLN	Area: outlines	0.00	
A-AREA-PATT	Area: hatching	0.18	
A-CLNG-ACCS	Ceiling: access	0.25	
A-CLNG-GRID	Ceiling: grid	0.18	
A-CLNG-OPNG	Ceiling: openings	0.18	
A-CLNG-SUSP	Ceiling: suspended elements	0.18	
A-CLNG-TEES	Ceiling: main tees	0.18	
A-COLS	Columns	0.25	
A-COLS-ENCL	Columns: enclosures	0.50	
A-DOOR-FULL	Doors: full height (swing and leaf)	0.35	
A-DOOR-PRHT	Doors: partial height (swing and leaf)	0.25	
A-EQPM-ACCS	Equipment: access	0.25	
A-EQPM-FIXD	Equipment: fixed	0.18	
A-EQPM-MOVE	Equipment: moveable	0.18	
A-EQPM-OVHD	Equipment: overhead	0.18	2
A-FLOR-CSWK	Floor: casework	0.25	

Name	Description	Weight (mm)	Linetype Code
A-FLOR-EVTR	Floor: elevator cars and equipment	0.25	
A-FLOR-FIXT	Floor: plumbing Fixtures	0.25	
A-FLOR-HRAL	Floor: handrails / guard rails	0.25	
A-FLOR-IDEN	Floor: identification tags	0.18	
A-FLOR-LEVL	Floor: level changes (ramps, pits, depressions)	0.25	
A-FLOR-OTLN	Floor: outline	0.25	
A-FLOR-OVHD	Floor: overhead	0.18	2
A-FLOR-PATT	Floor: paving, tile, carpet patterns	0.18	
A-FLOR-RAIS	Floor: access (raised) flooring	0.18	
A-FLOR-RISR	Floor: risers	0.25	
A-FLOR-SIGN	Floor: signage	0.25	
A-FLOR-SPCL	Floor: specialties (toilet room accessories, display cases)	0.25	
A-FLOR-STRS	Flor: stair treads (escalators, ladders)	0.25	
A-FLOR-TPTN	Floor: toilet partitions	0.25	
A-FLOR-WDWK	Floor: architectural woodwork	0.25	
A-FURN-FILE	Furniture: file cabinets	0.18	
A-FURN-FIXD	Furniture: fixed	0.25	
A-FURN-FREE	Furniture: free standing	0.18	
A-FURN-PLNT	Furniture: plants	0.18	
A-FURN-PNLS	Furniture: system panels	0.18	
A-FURN-SEAT	Furniture: seating	0.18	
A-FURN-STOR	Furniture: storage (component systems)	0.18	
A-FURN-WKSF	Furniture: work surface (component systems)	0.25	
A-GLAZ-FULL	Glazing: full-height	0.25	
A-GLAZ-PHRT	Glazing: partial-height	0.25	
A-GLAZ-SILL	Glazing: window sills	0.18	
A-HVAC-RDFF	HVAC systems: return air diffusers	0.18	
A-HVAC-SDFF	HVAC systems: supply diffusers	0.25	
A-LITE	Lighting	0.25	
A-ROOF-HRAL	Roof: handrails / guardrails	0.25	
A-ROOF-LEVL	Roof: level changes	0.18	
A-ROOF-OTLN	Roof: outline	0.25	
A-ROOF-RFDR	Roof: roof drains	0.25	
A-ROOF-RISR	Roof: risers	0.25	
A-ROOF-STRS	Roof: stair treads, ladders	0.25	
A-ROOF-WALL	Roof: parapet walls and wall caps	0.25	
A-WALL	Walls	0.35	
A-WALL-CAVI	Walls: cavity	0.18	
A-WALL-CNTR	Walls: centerlines	0.18	7
A-WALL-FIRE	Walls: fire protection	0.50	
A-WALL-FIRE-1HR~	Walls: fire protection: 1 hour barrier line	2.00	
A-WALL-FIRE-2HR~	Walls: fire protection: 2 hour barrier line	2.00	
A-WALL-FULL	Walls: full-height	0.50	
A-WALL-FULL-EXTR	Walls: full-height: exterior	0.50	
A-WALL-FULL-INTR	Walls: full-height: interior	0.50	
A-WALL-HEAD	Walls: door / window headers (on reflected ceiling plans)	0.25	
A-WALL-JAMB	Walls: door / window jambs	0.25	
A-WALL-MOVE	Walls: moveable	0.18	
A-WALL-PATT	Walls: insulation, hatching and fill	0.18	
A-WALL-PRHT	Walls: partial-height (on floor plans only)	0.25	

Name	Description	Weight (mm)	Linetype Code
Civil			
C-ALGN	Alignments	0.35	4
C-BLDG-DECK	Buildings: decks (attached, no roof overhead)	0.50	
C-BLDG-OTLN	Buildings: outline	0.70	
C-BLDG-OVHD	Buildings: overhead	0.50	
C-BLDG-PRCH	Buildings: porch (attached, roof overhead)	0.50	
C-BLIN	Baseline	0.50	
C-BLIN-STAN	Baseline: stationing	0.50	
C-CATV-OVHD	Cable TV system: overhead	0.50	
C-CATV-POLE	Cable TV system: pole	0.50	
C-CATV-UNDG	Cable TV system: underground	0.50	
C-COMM-OVHD	Telephone communications: overhead	0.35	
C-COMM-POLE	Telephone communications: pole	0.35	
C-COMM-UGND	Telephone communications: underground	0.35	
C-CTRL-BMRK	Control points: benchmarks	0.35	
C-CTRL-FLYS	Control points: fly station	0.35	
C-CTRL-GRID	Control points: grid	0.35	
C-CTRL-HORZ	Control points: horizontal	0.35	
C-CTRL-HVPT	Control points: horizontal / vertical	0.35	
C-CTRL-PNPT	Control points: panel points	0.35	
C-CTRL-TRAV	Control points: traverse	0.35	
C-CTRL-VERT	Control points: vertical	0.35	
C-DFLD-OTLN	Drain fields: outline	0.35	
C-DFLD-PROF	Drain fields: profile	0.35	
C-DRIV-ASPH	Driveways: asphault	0.18	
C-DRIV-CNTR	Driveways: center	0.25	
C-DRIV-CONC	Driveways: concrete	0.18	
C-DRIV-CURB	Driveways: curb	0.35	
C-DRIV-CURB-BACK	Driveways: curb: back	0.25	
C-DRIV-CURB-FACE	Driveways: curb: face	0.35	
C-DRIV-FLNE	Driveways: fire lane	0.25	
C-DRIV-FLNE-MKNG	Driveways: fire lane: pavement markings	0.35	
C-DRIV-GRVL	Driveways: gravel	0.25	
C-DRIV-MRKG	Driveways: pavement markings	0.35	
C-DRIV-SIGN	Driveways: signage	0.25	
C-DRIV-UPVD	Driveways: unpaved surface	0.25	
C-DRIV-WHIT	Driveways: white paint	0.35	
C-DRIV-WHIT-TICK	Driveways: white paint: tick marks	0.35	
C-DRIV-YELO	Driveways: yellow paint	0.35	
C-DRIV-YELO-TICK	Driveways: yellow paint: tick marks	0.35	
C-DTCH-BOTM	Ditches or washes: bottom	0.25	
C-DTCH-CNTR	Ditches or washes: center	0.18	7
C-DTCH-EWAT	Ditches or washes: edge of water	0.25	
C-DTCH-TOPD	Ditches or washes: top	0.25	
C-EROS-CIPR	Eroision and sediment control: culvert inlet protection	0.25	
C-EROS-CNTE	Eroision and sediment control: contruction entrance	0.35	
C-EROS-DDIV	Eroision and sediment control: drainage divides	0.50	
C-EROS-DVDK	Eroision and sediment control: diversion dikes	0.50	
C-EROS-INPR	Eroision and sediment control: inlet protection	0.25	
C-EROS-SILT	Eroision and sediment control: silt fences	0.35	
C-EROS-SSLT	Eroision and sediment control: super silt fences	0.35	

Name	Description	Weight (mm)	Linetype Code
C-ESMT-ACCS	Easements: access (pedestrian only; private access)	0.35	
C-ESMT-CATV	Easements: cable TV system	0.35	
C-ESMT-CONS	Easements: conservation	0.35	
C-ESMT-CSTG	Easements: construction / grading	0.35	
C-ESMT-ELEC	Easements: electrical	0.35	
C-ESMT-INEG	Easements: ingress / egress (vehicles; private access)	0.35	
C-ESMT-LSCP	Easements: landscape	0.35	
C-ESMT-NGAS	Easements: natural gas line	0.35	
C-ESMT-PHON	Easements: telephone line	0.35	
C-ESMT-ROAD	Easements: roadway	0.35	
C-ESMT-ROAD-PERM	Easements: roadway: permanent	0.35	
C-ESMT-ROAD-TEMP	Easements: roadway: temporary	0.35	
C-ESMT-RWAY	Easements: right-of-way (public access)	0.35	
C-ESMT-SGHT	Easements: sight distance	0.35	
C-ESMT-SSWR	Easements: sanitary sewer	0.35	
C-ESMT-STRM	Easements: storm sewer	0.35	
C-ESMT-SWMT	Easements: storm water management	0.35	
C-ESMT-TRAL	Easements: trail or path (public access)	0.35	
C-ESMT-UTIL	Easements: utility lines	0.35	
C-ESMT-WATR	Easements: water supply	0.35	
C-FENC-GRAL	Fences: guard rail	0.35	
C-FENC-POST	Fences: post	0.35	
C-FENC-STEL	Fences: steel (chain link)	0.35	
C-FENC-WOOD	Fences: wood	0.35	
C-FIRE-HYDT	Fire protection: hydrants and connections	0.35	
C-FIRE-PIPE	Fire protection: piping	0.35	
C-FIRE-UGND	Fire protection: underground	0.35	
C-FUEL-EQPM	Fuel systems: equipment (pumps, motors)	0.35	
C-FUEL-INST	Fuel systems: instrumentation (meters, valves, etc.)	0.35	
C-FUEL-MHOL	Fuel systems: manhole	0.35	
C-FUEL-PIPE	Fuel systems: piping	0.35	
C-FUEL-TANK	Fuel systems: storage tanks	0.35	
C-FUEL-UGND	Fuel systems: underground	0.35	
C-LOCN	Limits of construction	0.35	
C-NGAS-EQPM	Natural gas: equipment (pumps, motors)	0.35	
C-NGAS-INST	Natural gas: instrumentation (meters, valves, etc.)	0.35	
C-NGAS-MHOL	Natural gas: manhole	0.35	
C-NGAS-PIPE	Natural gas: piping	0.35	
C-NGAS-TANK	Natural gas: storage tanks	0.25	
C-NGAS-UGND	Natural gas: underground	0.35	
C-PERC	Perc testing	0.35	
C-PERC-HOLE	Perc testing: holes	0.35	
C-POWR-FENC	Power: fences	0.35	
C-POWR-INST	Power: instrumentation (meters, transformers)	0.35	
C-POWR-MHOL	Power: manholes	0.35	
C-POWR-OVHD	Power: overhead	0.35	
C-POWR-POLE	Power: pole	0.35	
C-POWR-STRC	Power: structures	0.35	
C-POWR-UGND	Power: underground	0.35	
C-PRKG-ASPH	Parking lots: asphault	0.25	
C-PRKG-CARS	Parking lots: cars and other vehicles	0.18	

Name	Description	Weight (mm)	Linetype Code
C-PRKG-CNTR	Parking lots: center	0.25	7
C-PRKG-CONC	Parking lots: concrete	0.25	
C-PRKG-CURB	Parking lots: curbs	0.35	
C-PRKG-CURB-BACK	Parking lots: curbs: back	0.25	
C-PRKG-CURB-FACE	Parking lots: curbs: face	0.35	
C-PRKG-DRAN	Parking lots: drainage slope indications	0.18	
C-PRKG-FIXT	Parking lots: fixtures (wheel stops, parking meters, etc.)	0.25	
C-PRKG-FLNE	Parking lots: fire lane	0.25	
C-PRKG-FLNE-MRKG	Parking lots: fire lane: pavement markings	0.35	
C-PRKG-FLNE-SIGN	Parking lots: fire lane: signage	0.25	
C-PRKG-GRVL	Parking lots: gravel	0.25	
C-PRKG-MRKG	Parking lots: pavement markings	0.35	
C-PRKG-SIGN	Parking lots: singage	0.25	
C-PRKG-STRP	Parking lots: striping	0.35	
C-PRKG-UPVD	Parking lots: unpaved surface	0.25	
C-PRKG-WHIT	Parking lots: white paint	0.35	
C-PRKG-WHIT-TICK	Parking lots: white paing tick marks	0.35	
C-PRKG-YELO	Parking lots: yellow paint	0.35	
C-PRKG-YELO-TICK	Parking lots: yellow paint: tick marks	0.35	
C-PROP-LINE	Property boundry: lines	0.70	6
C-PROP-SBCK	Property boundry: setback lines	0.25	
C-PVMT-ASPH	Pavement: asphault	0.18	
C-PVMT-CONC	Pavement: concrete	0.18	
C-PVMT-GRVL	Pavement: gravel	0.18	
C-ROAD-ASPH	Road: asphault	0.25	
C-ROAD-CNTR	Road: center	0.25	7
C-ROAD-CONC	Road: concrete	0.25	
C-ROAD-CURB	Road: curbs	0.35	
C-ROAD-CURB-BACK	Road: curbs: back	0.25	
C-ROAD-CURB-FACE	Road: curbs: face	0.35	
C-ROAD-FLNE	Road: fire lane	0.25	
C-ROAD-FLNE-MRKG	Road: fire lane: pavement markings	0.35	
C-ROAD-FLNE-SIGN	Road: fire lane: signage	0.25	
C-ROAD-GRVL	Road: gravel	0.25	
C-ROAD-MRKG	Road: pavement markings	0.35	
C-ROAD-PROF	Road: profile	0.25	
C-ROAD-SIGN	Road: signage	0.25	
C-ROAD-STAN	Road: stationing	0.35	
C-ROAD-UPVD	Road: unpaved surface	0.25	
C-ROAD-WHIT	Road: white paint	0.35	
C-ROAD-WHIT-TICK	Road: white paint: tick marks	0.35	
C-ROAD-YELO	Road: yellow paint	0.35	
C-ROAD-YELO-TICK	Road: yellow paint: tick marks	0.35	
C-RRAP	Riprap	0.25	
C-SGHT	Sight distance	0.35	
C-SGHT-PROF	Sight distance: profile	0.35	
C-SOIL	Soils	0.35	
S-SSWR-DIAG	Sanitary sewer: diagrams	0.35	
S-SSWR-FORC	Sanitary sewer: force main	0.35	
C-SSWR-LATL	Sanitary sewer: lateral line	0.35	
C-SSWR-MHOL	Sanitary sewer: manholes	0.35	

Name	Description	Weight (mm)	Linetype Code
C-SSWR-PIPE	Sanitary sewer: piping	0.35	
C-SSWR-PIPE-RCON	Sanitary sewer: piping: reinforced concrete	0.35	
C-SSWR-PIPE-STEL	Sanitary sewer: piping: steel	0.35	
C-SSWR-PROF	Sanitary sewer: profile	0.35	
C-SSWR-STAN	Sanitary sewer: stationing	0.35	
C-SSWR-STRC	Sanitary sewer: structures	0.35	
C-SSWR-UNDR	Sanitary sewer: underground	0.35	
C-STEM-INST	Steam system: instrumentation (meters, valves, etc.)	0.35	
C-STEM-MHOL	Steam system: manholes	0.35	
C-STEM-PIPE	Steam system: piping	0.35	
C-STEM-STRC	Steam system: structures	0.35	
C-STEM-UGND	Steam system: underground	0.35	
C-STRM-CNTR	Storm sewer: center	0.25	
C-STRM-DIAG	Storm sewer: diagrams	0.35	
C-STRM-HWAL	Storm sewer: headwall	0.50	
C-STRM-MHOL	Storm sewer: manholes	0.35	
C-STRM-PIPE	Storm sewer: piping	0.35	
C-STRM-PIPE-CMTL	Storm sewer: piping: corrugated metal	0.35	
C-STRM-PIPE-RCON	Storm sewer: piping: reinforced concrete	0.35	
C-STRM-PROF	Storm sewer: profile	0.35	
C-STRM-STAN	Storm sewer: stationing	0.35	
C-STRM-STRC	Storm sewer: structures	0.35	
C-STRM-UGND	Storm sewer: underground	0.35	
C-TOPO-DEPR	Topographic feature: depression	0.35	
C-TOPO-MAJR	Topographic feature: major (contours)	0.35	
C-TOPO-MINR	Topographic feature: minor (contours)	0.25	
C-TOPO-SPOT	Topographic feature: spot elevations	0.35	
C-TOPO-TPIT	Topographic feature: test pits	0.35	
C-TRAL-ASPH	Trails or paths: asphault	0.25	
C-TRAL-CONC	Trails or paths: concrete	0.25	
C-TRAL-GRVL	Trails or paths: gravel	0.25	
C-TRAL-MRKG	Trails or paths: pavement markings	0.35	
C-TRAL-SIGN	Trails or paths: signage	0.25	
C-TRAL-UPVD	Trails or paths: unpaved surface	0.25	
C-WALL-CTLJ	Walls: control joint	0.25	
C-WALL-NSBR	Walls: noise barrier	0.35	
C-WALL-RTWL	Walls: retaining wall	0.50	
C-WALL-SHEA	Walls: structural bearing or shear wall	0.50	
C-WATR-DIAG	Water supply: diagrams	0.35	
C-WATR-INST	Water supply: instrumentation (meters, valves, etc.)	0.35	
C-WATR-PIPE	Water supply: piping	0.35	
C-WATR-PROF	Water supply: profile	0.35	
C-WATR-STAN	Water supply: stationing	0.35	
C-WATR-STRC	Water supply: stuctures	0.35	
C-WATR-UGND	Water supply: underground	0.35	
C-WATR-WELL	Water supply: well	0.35	

Name	Description	Weight (mm)	Linetype Code
Electrical			
E-ALRM	Alarm System	0.50	
E-AUXL	Auxiliary system	0.35	
E-CABL-COAX	Cable systems: coax cable	0.50	2
E-CABL-FIBR	Cable systems: fiber optic cable	0.50	
E-CABL-MULT	Cable systems: multi conductor cable	0.50	
E-CABL-TRAY	Cable systems: cable trays and wireways	0.50	
E-CCTV	Closed-circuit TV system	0.50	
E-COMM-CIRC	Telephone communications: circuits	0.50	
E-COMM-CLNG	Telephone communications: ceiling	0.50	
E-COMM-CNMB	Telephone communications: circuit numbers	0.35	
E-COMM-EQPM	Telephone communications: equipment	0.50	
E-COMM-WALL	Telephone communications: wall	0.50	
E-DATA-CIRC	Data / LAN system: circuits	0.50	
E-DATA-CLNG	Data / LAN system: ceiling	0.50	
E-DATA-CNMB	Data / LAN system: circuit numbers	0.35	
E-DATA-EQPM	Data / LAN system: equipment	0.50	
E-DATA-FLOR	Data / LAN system: floor	0.50	
E-DATA-WALL	Data / LAN system: wall	0.50	
E-DIAG-BKRS	Diagrams: breakers	0.35	
E-DIAG-BUSS	Diagrams: bus duct	0.35	
E-DIAG-ENCL	Diagrams: equipment enclosures	0.35	
E-DIAG-EQPM	Diagrams: equipment	0.35	
E-DIAG-FEED	Diagrams: feeders	0.35	
E-DIAG-FLOR	Diagrams: floor	0.35	
E-DIAG-GRND	Diagrams: ground	0.35	
E-DIAG-SWCH	Diagrams: switches	0.35	
E-DIAG-XFMR	Diagrams: transformers	0.35	
E-FIRE-CIRC	Fire protection: circuits	0.50	
E-FIRE-CLNG	Fire protection: ceiling	0.50	
E-FIRE-CNMB	Fire protection: circuit numbers	0.35	
E-FIRE-EQPM	Fire protection: equipment	0.50	
E-FIRE-WALL	Fire protection: wall	0.50	
E-GRND-CIRC	Ground system: circuits	0.50	
E-GRND-CLNG	Ground system: ceiling	0.50	
E-GRND-CNMB	Ground system: circuit numbers	0.35	
E-GRND-DIAG	Ground system: diagrams	0.35	
E-GRND-EQPM	Ground system: equipment	0.50	
E-GRND-EQUI	Ground system: equipotential	0.50	
E-GRND-WALL	Ground system: wall	0.50	
E-INTC	Intercom / PA system	0.50	
E-LITE-CIRC	Lighting: circuits	0.50	
E-LITE-CIRC-CRIT	Lighting: circuits: critical	0.50	
E-LITE-CIRC-EMER	Lighting: circuits: emergency	0.50	
E-LITE-CLNG	Lighting: ceiling	0.50	
E-LITE-CLNG-CRIT	Lighting: ceiling: critical	0.50	
E-LITE-CLNG-EMER	Lighting: ceiling: emergency	0.50	
E-LITE-CNMB	Lighting: circuit numbers	0.35	
E-LITE-CNMB-CRIT	Lighting: circuit numbers: critical	0.35	
E-LITE-CNMB-EMER	Lighting: circuit numbers: emergency	0.35	
E-LITE-EMER	Lighting: emergency	0.50	

Name	Description	Weight (mm)	Linetype Code
E-LITE-EQPM	Lighting: equipment	0.50	
E-LITE-EQPM-CRIT	Lighting: equipment: critical	0.50	
E-LITE-EQPM-EMER	Lighting: equipment: emergency	0.50	
E-LITE-EXIT	Lighting: exit	0.50	
E-LITE-EXTR	Lighting: exterior	0.50	
E-LITE-FLOR	Lighting: floor	0.50	
E-LITE-JBOX	Lighting: junction box	0.50	
E-LITE-OTLN	Lighting: outline	0.50	
E-LITE-ROOF	Lighting: roof	0.50	
E-LITE-SPCL	Lighting: special	0.50	
E-LITE-SWCH	Lighting: switches	0.50	
E-LITE-SWCH-CRIT	Lighting: switches: critical	0.50	
E-LITE-SWCH-EMER	Lighting: switches: emergency	0.50	
E-LITE-WALL	Lighting: wall	0.50	
E-LITE-WALL-CRIT	Lighting: wall: critical	0.50	
E-LITE-WALL-EMER	Lighting: wall: emergency	0.50	
E-LITE-WALL-EXIT	Lighting: wall: exit	0.50	
E-LTNG-CIRC	Lightning protection system: circuits	0.50	
E-LTNG-CLNG	Lightning protection system: ceiling	0.50	
E-LTNG-CNMB	Lightning protection system: circuit numbers	0.35	
E-LTNG-EQPM	Lightning protection system: equipment	0.50	
E-LTNG-WALL	Lightning protection system: wall	0.50	
E-NURS-CIRC	Nurse call system: circuits	0.50	
E-NURS-CLNG	Nurse call system: ceiling	0.50	
E-NURS-CNMB	Nurse call system: circuit numbers	0.35	
E-NURS-EQPM	Nurse call system: equipment	0.50	
E-NURS-WALL	Nurse call system: wall	0.50	
E-PGNG	Paging system	0.50	
E-POWR-BUSW	Power: busways	0.50	
E-POWR-CABL	Power: cable systems	0.50	
E-POWR-CIRC	Power: circuits	0.50	
E-POWR-CIRC-CRIT	Power: circuits: critical	0.50	
E-POWR-CLNG	Power: ceiling	0.50	
E-POWR-CLNG-CRIT	Power: ceiling: critical	0.50	
E-POWR-CNMB	Power: circuit numbers	0.35	
E-POWR-CNMB-CRIT	Power: circuit numbers: critical	0.35	
E-POWR-DEVC	Power: devices	0.50	
E-POWR-EQPM	Power: equipment	0.50	
E-POWR-EQPM-CRIT	Power: equipment: critical	0.50	
E-POWR-EXTR	Power: exterior	0.50	
E-POWR-FEED	Power: feeders	0.50	
E-POWR-FLOR	Power: floor	0.50	
E-POWR-FLOR-CRIT	Power: floor: critical	0.50	
E-POWR-JBOX	Power: junction boxes	0.50	
E-POWR-PANL	Power panels	0.50	
E-POWR-UCPT	Power: under-carpet wiring	0.35	
E-POWR-URAC	Power: underfloor raceways	0.35	3
E-POWR-WALL	Power: wall	0.50	
E-POWR-WALL-CRIT	Power: wall: critical	0.50	
E-POWR-XFMR-PADM	Power: transformers: pad-mounted	0.35	
E-POWR-XFMR-POLM	Power: transformers: pole-mounted	0.35	

Name	Description	Weight (mm)	Linetype Code
E-SITE-OVHD	Site features: overhead	0.50	
E-SITE-POLE	Site features: pole	0.50	
E-SITE-UGND	Site features: underground	0.50	
E-SOUN	Sound / PA system	0.50	
Fire Protection			
F-AFFF-EQPM	Aqueous film-forming foam system: equipment	0.35	
F-AFFF-PIPE	Aqueous film-forming foam system: piping	0.35	
F-CO2S-EQPM	CO2 system: equipment	0.35	
F-CO2S-PIPE	CO2 system: piping	0.35	
F-HALN-EQPM	Halon: equipment	0.35	
F-HALN-PIPE	Halon: Piping	0.35	
F-IGAS-EQPM	Inert gas: equipment	0.35	
F-IGAS-PIPE	Inert gas: piping	0.35	
F-PROT-ALRM	Fire protection system: alarms	0.50	
F-PROT-EQPM	Fire protection system: equipment (incl. hose cabinets)	0.35	
F-PROT-EXTI	Fire protection system: extinguishers	0.35	
F-PROT-HOSE	Fire protection system: hoses	0.35	
F-PROT-HYDT	Fire protection system: hydrants and connections	0.35	
F-PROT-RATE	Fire protection system: ratings	0.35	
F-PROT-SMOK	Fire protection system: smoke detectors/heat sensors	0.50	
F-SPKL-CLHD	Sprinkler: ceiling heads	0.35	
F-SPKL-EQPM	Sprinkler: equipment	0.35	
F-SPKL-OTHD	Sprinkler: other heads	0.35	
F-SPKL-PIPE	Sprinkler: piping	0.50	
Landscaping			
L-FENC-LINK	Fences: chain link	0.35	
L-FENC-LINK-04FT	Fences: chain link: four feet high	0.35	
L-FENC-LINK-06FT	Fences: chain link: six feet high	0.35	
L-FENC-PRVC	Fences: privacy	0.35	
L-FENC-WOOD	Fences: wood	0.35	
L-IRRG-COVR	Irrigation: coverage	0.18	
L-IRRG-DRIP	Irrigation: drip irrigation tubing	0.35	
L-IRRG-EQPM	Irrigation: equipment (pumps, valves, controllers)	0.35	
L-IRRG-LTRL	Irrigation: lateral pipe	0.35	
L-IRRG-MAIN	Irrigation: mainline	0.35	
L-IRRG-PIPE	Irrigation: piping	0.35	
L-IRRG-SLVE	Irrigation: pipe sleeve	0.35	
L-IRRG-SPKL	Irrigation: sprinklers (rotors, heads)	0.35	
L-IRRG-VALV	Irrigation: valves	0.35	
L-PLNT-BEDS	Plant and landscape material: perrenial and annual beds	0.35	
L-PLNT-BUSH	Plant and landscape material: bushes and shrubs	0.50	
L-PLNT-CONI	Plant and landscape material: coniferous trees	0.50	
L-PLNT-CTNR	Plant and landscape material: container or planter	0.25	
L-PLNT-EDGR	Plant and landscape material: bedding edger	0.25	
L-PLNT-EVGR	Plant and landscape material: evergreen trees (broadleef)	0.50	
L-PLNT-GCVR	Plant and landscape material: ground cover	0.35	
L-PLNT-MLCH	Plant and landscape material: mulches	0.25	
L-PLNT-PLNT	Plant and landscape material: plants	0.50	
L-PLNT-SHAD	Plant and landscape material: shadow area	0.18	

Name	Description	Weight (mm)	Linetype Code
L-PLNT-TREE	Plant and landscape material: trees	0.50	
L-PLNT-TURF	Plant and landscape material: lawn areas	0.35	
L-PLNT-VINE	Plant and landscape material: vines	0.35	
L-PVMT-ASPH	Pavement: asphault	0.25	
L-PVMT-BRCK	Pavement: brick	0.25	
L-PVMT-CONC	Pavement: concrete	0.25	
L-PVMT-CONC-AGGR	Pavement: concrete: exposed aggregate	0.25	
L-PVMT-GRVL	Pavement: gravel	0.25	
L-PVMT-JNTC	Pavement: control joint	0.18	
L-PVMT-JNTE	Pavement: expansion joint	0.18	
L-PVMT-PAVR	Pavement: unit pavers	0.25	
L-PVMT-RAMP	Pavement: accessible ramp	0.35	
L-PVMT-STRS	Pavement: stair treads	0.25	
L-SITE-BRDG	Site features: bridge (pedestrian)	0.35	
L-SITE-CURB	Site features: curbs	0.35	
L-SITE-CURB-BACK	Site features: curbs: back	0.25	
L-SITE-CURB-FACE	Site features: curbs: face	0.35	
L-SITE-DECK	Site features: deck	0.35	
L-SITE-FURN	Site features: furniture	0.50	
L-SITE-PLAY	Site features: play structures	0.35	
L-SITE-PLAY-EQPM	Site features: play structures: equipment	0.35	
L-SITE-PLAY-ZONE	Site features: play structures: zoning	0.35	
L-SITE-PRKG	Site features: parking	0.35	
L-SITE-PRKG-STRP	Site features: parking: striping	0.35	
L-SITE-ROAD	Site features: edge of roadway	0.25	
L-SITE-ROCK	Site features: large rocks	0.25	
L-SITE-RRAP	Site features: riprap	0.25	
L-SITE-RTWL	Site features: retaining wall	0.50	
L-SITE-STEP	Site features: steps	0.25	
L-SITE-SWLK	Site features: sidewalks and steps	0.25	
L-SITE-TRAL	Site features: trail or path	0.25	
L-SITE-TRAL-ASPH	Site features: trail or path: asphault	0.25	
L-SITE-TRAL-CONC	Site features: trail or path: concrete	0.25	
L-SITE-TRAL-GRVL	Site features: trail or path: gravel	0.25	
L-SITE-WALL	Site features: walls	0.35	
L-TOPO-LIMI	Topographic feature: limit of earthwork	0.35	
L-TOPO-SPOT	Topographic feature: spot elevations	0.35	
Mechanical			
M-BRIN-EQPM	Brine systems: equipment	0.35	
M-BRIN-PIPE	Brine systems: piping	0.50	
M-CHIM	Chimneys and stacks	0.50	
M-CMPA-EQPM	Compressed / processed air systems: equipment	0.70	
M-CMPA-PEQP	Compressed / processed air systems: process equipment	0.70	
M-CMPA-PIPE	Compressed / processed air systems: piping	0.35	
M-CMPA-PPIP	Compressed / processed air systems: process piping	0.35	
M-CNDW-EQPM	Condenser water systems: equipment	0.35	
M-CNDW-PIPE	Condenser water systems: piping	0.50	
M-CNDW-RETN	Condenser water systems: return	0.50	
M-CNDW-RETN-PIPE	Condenser water systems: return: piping	0.50	
M-CNDW-RETN-SKCH	Condenser water systems: return: sketch	0.50	

Name	Description	Weight (mm)	Linetype Code
M-CNDW-SPLY	Condenser water systems: supply	0.50	
M-CNDW-SPLY-PIPE	Condenser water systems: supply: piping	0.50	
M-CNDW-SPLY-SKCH	Condenser water systems: supply: sketch	0.50	
M-CONT	Controls and instrumentation	0.25	
M-CONT-THER	Controls and instrumentation: thermostats	0.25	
M-CONT-WIRE	Controls and instrumentation: wiring (low voltage)	0.25	2
M-CWTR-CNDS	Chilled water systems: condensate piping	0.50	
M-CWTR-EQPM	Chilled water systems: equipment	0.35	
M-CWTR-PIPE	Chilled water systems: piping	0.50	
M-CWTR-RETN	Chilled water systems: return	0.50	
M-CWTR-RETN-PIPE	Chilled water systems: return: piping	0.50	
M-CWTR-RETN-SKCH	Chilled water systems: return: sketch	0.50	
M-CWTR-SPLY	Chilled water systems: supply	0.50	
M-CWTR-SPLY-PIPE	Chilled water systems: supply: piping	0.50	
M-CWTR-SPLY-SKCH	Chilled water systems: supply: sketch	0.50	
M-DOMW	Domestic water systems	0.50	
M-DOMW-MKUP	Domestic water systems: make-up water	0.50	
M-DUAL-EQPM	Dual temperature systems: equipment	0.35	
M-DUAL-RETN	Dual temperature systems: return	0.50	
M-DUAL-RETN-PIPE	Dual temperature systems: return: piping	0.50	
M-DUAL-RETN-SKCH	Dual temperature systems: return: sketch	0.50	
M-DUAL-SPLY	Dual temperature systems: supply	0.50	
M-DUAL-SPLY-PIPE	Dual temperature systems: supply: piping	0.50	
M-DUAL-SPLY-SKCH	Dual temperature systems: supply: sketch	0.50	
M-DUST-DUCT	Dust and fume collection systems: ductwork	0.50	
M-DUST-DUCT-CNTR	Dust and fume collection systems: ductwork: center	0.18	7
M-DUST-EQPM	Dust and fume collection systems: equipment	0.35	
M-ENER	Energy management systems	0.35	
M-ENER-EQPM	Energy management systems: equipment	0.35	
M-ENER-WIRE	Energy management systems: wiring	0.25	
M-EXHS-DUCT	Exhaust system: ductwork	0.50	
M-EXHS-DUCT-CNTR	Exhaust system: ductwork: center	0.18	7
M-EXHS-EQPM	Exhaust system: equipment	0.35	
M-EXHS-RFEQ	Exhaust system: rooftop equipment	0.35	
M-FUEL-EQPM	Fuel systems: equipment	0.70	
M-FUEL-GGEP	Fuel systems: gas general piping	0.50	
M-FUEL-GGEP-HPIP	Fuel systems: gas general piping: high-pressure piping	0.50	
M-FUEL-GGEP-LPIP	Fuel systems: gas general piping: low-pressure piping	0.50	
M-FUEL-GGEP-LQPG	Fuel systems: gas general piping: liquid petrolium gas	0.50	
M-FUEL-GGEP-MPIP	Fuel systems: gas general piping: medium pressure piping	0.50	
M-FUEL-GPRP	Fuel systems: gas process piping	0.50	
M-FUEL-OPRP	Fuel systems: oil process piping	0.50	
M-FUEL-OGEP	Fuel systems: oil general piping	0.50	
M-FUEL-OGEP-DISC	Fuel systems: oil general piping: discharge	0.50	
M-FUEL-OGEP-FLLW	Fuel systems: oil general piping: flow	0.50	
M-FUEL-OGEP-GAGE	Fuel systems: oil general piping: gauge	0.50	
M-FUEL-OGEP-RETN	Fuel systems: oil general piping: return	0.50	
M-FUEL-OGEP-SPLY	Fuel systems: oil general piping: supply	0.50	
M-FUEL-OGEP-VENT	Fuel systems: oil general piping: vent	0.50	
M-FUME	Fume hood	0.35	
M-FUME-DUCT	Fume hood: ductwork	0.50	

Name	Description	Weight (mm)	Linetype Code
M-FUME-EQPM	Fume hood: equipment	0.35	
M-GLYC-EQPM	Glycol systems: equipment	0.35	
M-GLYC-RETN	Glycol systems: return	0.50	
M-GLYC-RETN-PIPE	Glycol systems: return: piping	0.50	
M-GLYC-RETN-PIPE	Glycol systems: return: sketch	0.50	
M-GLYC-SPLY	Glycol systems: supply	0.50	
M-GLYC-SPLY-PIPE	Glycol systems: supply: piping	0.50	
M-GLYC-SPLY-SKCH	Glycol systems: supply: sketch	0.50	
M-HVAC-BOXD	HVAC systems: mixing box, dual duct	0.50	
M-HVAC-BOXES	HVAC systems: mixing box, single duct	0.50	
M-HVAC-CDFF	HVAC systems: ceiling diffusers	0.35	
M-HVAC-CLDA	HVAC systems: cold air	0.35	
M-HVAC-CLDA-DUCT	HVAC systems: cold air: ductwork	0.50	
M-HVAC-CLDA-EQPM	HVAC systems: cold air: equipment	0.35	
M-HVAC-CLDA-RSCH	HVAC systems: cold air: sketch line round or oval duct	0.35	
M-HVAC-CLDA-SECT	HVAC systems: cold air: section	0.35	
M-HVAC-CLDA-SIZE	HVAC systems: cold air: ductwork size	0.35	
M-HVAC-CLDA-SSCH	HVAC systems: cold air: sketch line rectangular duct	0.35	
M-HVAC-DMPR	HVAC systems: fire, smoke, volume damper	0.35	
M-HVAC-DOOR	HVAC systems: equipment doors	0.35	
M-HVAC-EFAN	HVAC systems: equip. with electric fans	0.35	
M-HVAC-EPDU	HVAC systems: equip. with piping, ductwork, and elec.	0.35	
M-HVAC-EPIP	HVAC systems: equip. with piping and electricity	0.35	
M-HVAC-EQPM	HVAC systems: equipment	0.35	
M-HVAC-EXHS	HVAC systems: exhaust air	0.35	
M-HVAC-EXHS-DUCT	HVAC systems: exhaust air: ductwork	0.50	
M-HVAC-EXHS-EQPM	HVAC systems: exhaust air: equipment	0.35	
M-HVAC-EXHS-GRIL	HVAC systems: exhaust air: grilles	0.35	
M-HVAC-EXHS-RSCH	HVAC systems: exhaust air: sketch line round or oval duct	0.35	
M-HVAC-EXHS-SECT	HVAC systems: exhaust air: section	0.35	
M-HVAC-EXHS-SIZE	HVAC systems: exhaust air: ductwork size	0.35	
M-HVAC-EXHS-SSCH	HVAC systems: exhaust air: sketch line rectangular duct	0.35	
M-HVAC-HOTA	HVAC systems: hot air	0.35	
M-HVAC-HOTA-DUCT	HVAC systems: hot air: ductwork	0.50	
M-HVAC-HOTA-EQPM	HVAC systems: hot air: equipment	0.35	
M-HVAC-HOTA-RSCH	HVAC systems: hot air: sketch line round or oval duct	0.35	
M-HVAC-HOTA-SECT	HVAC systems: hot air: section	0.35	
M-HVAC-HOTA-SIZE	HVAC systems: hot air: ductwork size	0.35	
M-HVAC-HOTA-SSCH	HVAC systems: sketch line rectangular duct	0.35	
M-HVAC-ODFF	HVAC systems: other diffusers	0.35	
M-HVAC-PIPE	HVAC systems: piping	0.50	
M-HVAC-RDFF	HVAC systems: return air diffusers	0.35	
M-HVAC-RETN	HVAC systems: return	0.35	
M-HVAC-RETN-CNTR	HVAC systems: return: center	0.18	7
M-HVAC-RETN-EQPM	HVAC systems: return: equipment	0.35	
M-HVAC-RETN-RSCH	HVAC systems: return: sketch line round or oval duct	0.35	
M-HVAC-RETN-SECT	HVAC systems: return: section	0.35	
M-HVAC-RETN-SIZE	HVAC systems: return: ductwork size	0.35	
M-HVAC-RETN-SSCH	HVAC systems: return: sketch line rectangular duct	0.35	
M-HVAC-SDFF	HVAC systems: supply diffusers	0.35	
M-HVAC-SPLY	HVAC systems: supply	0.35	

Name	Description	Weight (mm)	Linetype Code
M-HVAC-SPLY-CNTR	HVAC systems: supply: center	0.18	7
M-HVAC-SPLY-EQPM	HVAC systems: supply: equipment	0.35	
M-HVAC-SPLY-RSCH	HVAC systems: supply: sketch line round or oval duct	0.35	
M-HVAC-SPLY-SECT	HVAC systems: supply: section	0.35	
M-HVAC-SPLY-SIZE	HVAC systems: supply: ductwork size	0.35	
M-HVAC-SPLY-SSCH	HVAC systems: supply: sketch line rectangular duct	0.35	
M-HWTR-EQPM	Hot water heating system: equipment	0.35	
M-HWTR-PIPE	Hot water heating system: piping	0.50	
M-HWTR-RETN	Hot water heating system: return	0.50	
M-HWTR-RETN-PIPE	Hot water heating system: return: piping	0.50	
M-HWTR-RETN-SKCH	Hot water heating system: return: sketch	0.50	
M-HWTR-SPLY	Hot water heating system: supply	0.50	
M-HWTR-SPLY-PIPE	Hot water heating system: supply: piping	0.50	
M-HWTR-SPLY-SKCH	Hot water heating system: supply: sketch	0.50	
M-LGAS	Laboratory gas	0.50	
M-LGAS-EQPM	Laboratory gas: equipment	0.35	
M-LGAS-PIPE	Laboratory gas: piping	0.50	
M-MACH	Machine shop	0.35	
M-MDGS-CAIR	Medical gas: compressed air	0.50	
M-MDGS-EQPM	Medical gas: equipment	0.70	
M-MDGS-NITG	Medical gas: nitrogen	0.50	
M-MDGS-NOXG	Medical gas: nitrous oxide	0.50	
M-MDGS-OXYG	Medical gas: pure O2	0.50	
M-MDGS-PIPE	Medical gas: piping	0.50	
M-MDGS-SAIR	Medical gas: scavenge air	0.50	
M-MDGS-VACU	Medical gas: vacuum	0.50	
M-MKUP-CDFF	Make-up air systems: ceiling diffusers	0.35	
M-MKUP-DUCT	Make-up air systems: ductwork	0.50	
M-MKUP-EQPM	Make-up air systems: equipment	0.35	
M-MPIP	Miscellaneous piping systems	0.50	
M-MPIP-PIPE	Miscellaneous piping systems: piping	0.50	
M-NGAS	Natural Gas	0.35	
M-NGAS-EQPM	Natural Gas: equipment	0.35	
M-NGAS-PIPE	Natural Gas: piping	0.50	
M-PROC	Process systems	0.35	
M-PROC-EQPM	Process systems: equipment	0.35	
M-PROC-PIPE	Process systems: piping	0.50	
M-RAIR	Relief air systems	0.35	
M-RCOV	Energy recovery systems	0.35	
M-RCOV-EQPM	Energy recovery systems: equipment	0.35	
M-RCOV-PIPE	Energy recovery systems: piping	0.50	
M-REFG-DISC	Refrigeration systems: discharge	0.50	
M-REFG-EQPM	Refrigeration systems: equipment	0.50	
M-REFG-PIPE	Refrigeration systems: piping	0.50	
M-REFG-RETN	Refrigeration systems: return	0.50	
M-REFG-SPLY	Refrigeration systems: supply	0.50	
M-SMOK-CDFF	Smoke extraction systems: ceiling diffusers	0.35	
M-SMOK-DUCT	Smoke extraction systems: ductwork	0.50	
M-SMOK-EQPM	Smoke extraction systems: equipment	0.35	
M-SPCL	Special systems	0.35	
M-SPCL-EQPM	Special systems: equipment	0.35	

Name	Description	Weight (mm)	Linetype Code
M-SPCL-PIPE	Special systems: piping	0.50	
M-STEM-BLBD	Steam systems: boild blow down piping	0.50	
M-STEM-CONP	Steam systems: condensate piping	0.50	
M-STEM-CONP-SKCH	Steam systems: condensate piping: sketch	0.50	
M-STEM-EQPM	Steam systems: equipment	0.35	
M-STEM-HPIP	Steam systems: high-pressure piping	0.50	
M-STEM-HPIP-SKCH	Steam systems: high-pressure piping: sketch	0.50	
M-STEM-LPIP	Steam systems: low-pressure piping	0.50	
M-STEM-LPIP-SKCH	Steam systems: low-pressure piping: sketch	0.50	
M-STEM-MPIP	Steam systems: medium-pressure piping	0.50	
M-STEM-MPIP-SKCH	Steam systems: medium-pressure piping: sketch	0.50	
M-TEST	Test equipment	0.35	
Plumbing			
P-ACID-EQPM	Acid waste systems: equipment	0.35	
P-ACID-PIPE	Acid waste systems: piping	0.50	
P-ACID-VENT	Acid waste systems: vents	0.50	2
P-DOMW-CPIP	Domestic water systems: cold water piping	0.50	
P-DOMW-EQPM	Domestic water systems: equipment	0.35	
P-DOMW-HPIP	Domestic water systems: hot water piping	0.50	
P-DOMW-RISR	Domestic water systems: risers	0.50	2
P-DOMW-RPIP	Domestic water systems: recirculation piping	0.50	
P-MDGS-CAIR	Medical gas: compressed air	0.50	
P-MDGS-EQPM	Medical gas: equipment	0.70	
P-MDGS-NITG	Medical gas: nitrogen	0.50	
P-MDGS-NOXG	Medical gas: nitrous oxide	0.50	
P-MDGS-OXYG	Medical gas: pure O2	0.50	
P-MDGS-PIPE	Medical gas: piping	0.50	
P-MDGS-SAIR	Medical gas: scavenge air	0.50	
P-MDGS-VAC	Medical gas: vacuum	0.50	
P-SSWR-EQPM	Sanitary sewer: equipment	0.35	
P-SSWR-FIXT	Sanitary sewer: fixtures	0.35	
P-SSWR-FLDR	Sanitary sewer: floor drains	0.35	
P-SSWR-PIPE	Sanitary sewer: piping	0.50	
P-SSWR-RISR	Sanitary sewer: risers	0.50	2
P-SSWR-VENT	Sanitary sewer: vents	0.50	
P-STRM-PIPE	Storm sewer: piping	0.50	
P-STRM-RFDR	Storm sewer: roof drains	0.35	
P-STRM-RISR	Storm sewer: risers	0.50	2
Structural			
S-ALGN	Alignments	0.25	4
S-BEAM	Beams	0.50	
S-BEAM-CNTR	Beams: center	0.18	7
S-BEAM-CONC	Beams: concrete	0.50	
S-BEAM-CONC-PRIM	Beams: concrete: primary	0.50	
S-BEAM-CONC-SECD	Beams: concrete: secondary	0.35	
S-BEAM-STEL	Beams: steel	0.50	
S-BEAM-STEL-PRIM	Beams: steel: primary	0.50	
S-BEAM-STEL-SECD	Beams: steel: secondary	0.35	
S-BRCG-METL	Bracing: metal	0.35	

Name	Description	Weight (mm)	Linetype Code
S-BRCG-STEL	Bracing: steel	0.35	
S-BRCG-STEL-HORZ	Bracing: steel: horizontal	0.35	
S-BRCG-STEL-VERT	Bracing: steel: vertical	0.35	
S-COLS-ABLT	Columns: anchor bolts	0.35	
S-COLS-CNTR	Columns: center	0.18	7
S-COLS-CONC	Columns: concrete	0.35	
S-COLS-STEL	Columns: steel	0.35	
S-DECK-FLOR	Deck: floor	0.25	
S-DECK-FLOR-OPNG	Deck: floor: openings	0.25	
S-DECK-ROOF	Deck: roof	0.25	
S-DECK-ROOF-OPNG	Deck: roof: openings	0.25	
S-FNDN-CNTR	Foundation: center	0.18	7
S-FNDN-FTNG	Foundation: footings	0.35	
S-FNDN-GRBM	Foundation: grade beams	0.50	
S-FNDN-PCAP	Foundation: pile caps	0.35	
S-FNDN-PIER	Foundation: drilled piers	0.50	
S-FNDN-PILE	Foundation: piles	0.35	
S-FNDN-RBAR	Foundation: reinforcing bar	0.70	
S-FNDN-RBAR-BOT1	Foundation: reinforcing bar: bottom group 1	0.70	
S-FNDN-RBAR-BOT2	Foundation: reinforcing bar: bottom group 2	0.70	
S-FNDN-RBAR-TOP1	Foundation: reinforcing bar: top group 1	0.70	
S-FNDN-RBAR-TOP2	Foundation: reinforcing bar: top group 2	0.70	
S-FSTN	Fasteners and connections	0.25	
S-GATE	Gate	0.35	
S-GRID	Column grid	0.18	7
S-GRID-EXTR	Column grid: exterior	0.18	7
S-GRID-INTR	Column grid: interior	0.18	7
S-GRLN	Grade line	0.35	
S-GRLN-SURF	Grade line: surface areas	0.35	
S-GRTG	Grating	0.25	
S-GRTG-OVHD	Grating: overhead	0.25	
S-JNTS-CNTJ	Joints: construction joints	0.25	
S-JNTS-CTLJ	Joints: control joints	0.25	
S-JNTS-EXPJ	Joints: expansion joints	0.25	
S-JOIS	Joists	0.35	
S-JOIS-BRGX	Joists: bridging	0.35	
S-PADS	Pads	0.35	
S-PADS-EQPM	Pads: equipment	0.35	
S-PLAT	Platform	0.35	
S-PLAT-FRMG	Platform: framing	0.35	
S-PLAT-GRTG	Platform: grating	0.18	
S-SIGN-BOUY	Sign: bouy	0.35	
S-SIGN-FRMG	Sign: framing	0.35	
S-SIGN-GAGE	Sign: gauge (staff)	0.35	
S-SIGN-TEXT	Sign: signage text	0.35	
S-SIGN-XTRU	Sign: extrusion	0.35	
S-SLAB-CONC	Slab: concrete	0.35	
S-SLAB-EDGE	Slab: edge	0.35	
S-SLAB-OPNG	Slab: opening	0.25	
S-SLAB-OPNX	Slab: opening indication ("x")	0.18	
S-SLAB-STEL	Slab: steel	0.35	

Name	Description	Weight (mm)	Linetype Code
S-STIF	Stiffener	0.35	
S-STIF-LONG	Stiffener: longitudinal	0.35	
S-STIF-TRAV	Stiffener: transverse	0.35	
S-STRS	Stairs	0.35	
S-STRS-LADD	Stairs: ladders and ladder assemblies	0.35	
S-TRUS	Trusses	0.35	
S-WALL-CMUW	Walls: concrete masonry unit	0.35	
S-WALL-CONC	Walls: concrete	0.35	
S-WALL-MSNW	Walls: masonry	0.35	
S-WALL-PCST	Walls: pre-cast concrete	0.35	
S-WALL-SHEA	Walls: structural bearing or shear walls	0.50	
S-WALL-STEL	Walls: steel stud	0.35	
S-WALL-WOOD	Walls: wood	0.35	
Telecommunications			
T-ALRM	Alarm system	0.50	
T-BELL	Bell system	0.50	
T-CABL-COAX	Cable systems: coax cable	0.50	2
T-CABL-FIBR	Cable systems: fiber optic cable	0.50	
T-CABL-MULT	Cable systems: multi-conductor cable	0.50	
T-CABL-TRAY	Cable systems: cable tray and wireways	0.50	
T-CATV	Cable television system	0.50	
T-CCTV	Closed-circuit television system	0.50	
T-CLOK-CIRC	Clock system: circuits	0.35	
T-CLOK-CLNG	Clock system: ceiling	0.35	
T-CLOK-CNMB	Clock system: circuit numbers	0.35	
T-CLOK-EQPM	Clock system: equipment	0.35	
T-CLOK-FLOR	Clock system: floor	0.35	
T-CLOK-WALL	Clock system: wall	0.35	
T-COMM-CIRC	Telephone communications: circuits	0.35	
T-COMM-CLNG	Telephone communications: ceiling	0.35	
T-COMM-CNMB	Telephone communications: circuit numbers	0.35	
T-COMM-EQPM	Telephone communications: equipment	0.35	
T-COMM-FLOR	Telephone communications: floor	0.35	
T-COMM-WALL	Telephone communications: walls	0.35	
T-CONT	Controls and instrumentation	0.35	
T-CONT-DEVC	Controls and instrumentation: devices	0.35	
T-CONT-WIRE	Controls and instrumentation: wiring	0.35	
T-DATA-CIRC	Data / LAN system: circuits	0.35	
T-DATA-CLNG	Data / LAN system: ceiling	0.35	
T-DATA-CNMB	Data / LAN system: circuit numbers	0.35	
T-DATA-EQPM	Data / LAN system: equipment	0.35	
T-DATA-FLOR	Data / LAN system: floor	0.35	
T-DATA-WALL	Data / LAN system: walls	0.35	
T-DIAG-ENCL	Diagrams: equipment enclosures	0.35	
T-DIAG-EQPM	Diagrams: equipment	0.35	
T-DIAG-GRND	Diagrams: ground	0.35	
T-ELEC	Electrical system, telecomm plan	0.35	
T-ECMS	Energy monitoring control system	0.35	
T-FIRE-CIRC	Fire protection: circuits	0.35	
T-FIRE-CLNG	Fire protection: ceiling	0.35	

Name	Description	Weight (mm)	Linetype Code
T-FIRE-CNMB	Fire protection: circuit numbers	0.35	
T-FIRE-EQPM	Fire protection: equipment	0.35	
T-FIRE-FLOR	Fire protection: floor	0.35	
T-FIRE-WALL	Fire protection: walls	0.35	
T-INTC	Intercomm / PA system	0.35	
T-NURS-CIRC	Nurse call system: circuits	0.35	
T-NURS-CLNG	Nurse call system: ceiling	0.35	
T-NURS-CNMB	Nurse call system: circuit numbers	0.35	
T-NURS-EQPM	Nurse call system: equipment	0.35	
T-NURS-FLOR	Nurse call system: floor	0.35	
T-NURS-WALL	Nurse call system: walls	0.35	
T-PGNG	Paging system	0.35	
T-PHON	Telephone system	0.35	
T-PROJ	Projector system	0.35	
T-SERT-CIRC	Security system: circuits	0.35	
T-SERT-CLNG	Security system: ceiling	0.35	
T-SERT-CNMB	Security system: circuit number	0.35	
T-SERT-EQPM	Security system: equipment	0.35	
T-SERT-FLOR	Security system: floor	0.35	
T-SERT-WALL	Security system: walls	0.35	
T-SOUN	Sound / PA system	0.35	
T-TRAN	Transmission system (RF and microwave)	0.35	

Linetype Codes	
1 - DOT	4 - DASHDOT
2 - HIDDEN	6 - DIVIDE2
3 - DASHED	7 - CENTER