



# Major Group Descriptions

The major group is a four character field that identifies a major system. The prescribed major group field codes shown on the list of layer names are grouped with specific [discipline designators](#). However, any major group may be combined with any prescribed discipline designator, provided that the definition of the major group remains unchanged. Therefore, any reasonable combination of the prescribed discipline designators and major groups is permitted.

This set of major group field codes is not intended to be all inclusive. There will be instances when project specific major groups will need to be created. In these cases new major group field codes are allowed, however, they must contain four alphanumeric characters (and if necessary end with one or more tilde {~} character(s) to fulfill the four character requirement) and must be fully documented.

The following is the list of existing major group names. If a new one needs to be created, please ensure it is not already defined on this list or the list of [minor groups](#).

## Description

Access  
Acid  
Air  
Alarm system  
Alignment  
Annotation  
Anti-freeze  
Aqueous filmforming foam system  
Area  
Armour  
Assembly and subassembly  
Auxiliary systems  
Barrier  
Beams  
Bell system  
Borings  
Bracing  
Bridge  
Brine systems  
Broadcast related system (radio or TV)  
Buildings and primary structures  
Cable systems  
Catchment  
Cathodic Protection System

## Group

ACCS  
ACID  
AIR~  
ALRM  
ALGN  
ANNO  
AFRZ  
AFFF  
AREA  
ARMR  
ASMB  
AUXL  
BARR  
BEAM  
BELL  
BORE  
BRCG  
BRDG  
BRIN  
BCST  
BLDG  
CABL  
CTCH  
CATH



Ceiling	CLNG
Chemical	CHEM
Chilled water systems	CWTR
Chimneys and stacks	CHIM
Clock system	CLOK
Closed circuit television system	CCTV
CO2 system	CO2S
Columns	COLS
Communications	COMM
Compressed / processed air systems	CMPA
Condenser water systems	CNDW
Control points	CTRL
Controls and instrumentation	CONT
Conveying systems	CONV
Corridor	CORR
Culvert valve	CVAL
Data / LAN system	DATA
Deck	DECK
Detail	DETL
Development	DEVP
Diagrams	DIAG
Dictation system	DICT
Domestic water systems	DOMW
Doors	DOOR
Drains	DRAN
Dual temperature systems	DUAL
Dust and fume collection systems	DUST
Electric heat	ELHT
Elevation	ELEV
Energy management systems	ENER
Energy monitoring control system	EMCS
Energy recovery systems	RCOV
Equipment	EQPM
Erosion and sediment control	EROS
Excavation	EXCV
Exhaust system	EXHS
External files (images, pdfs, xrefs, etc.)	REFR
Fabricated	FABR
Fasteners and connections	FSTN



Feature Line	FEAT
Fences	FENC
Fire protection system	PROT
Floor	FLOR
Foundation	FNDN
Frame	FRAM
Fuel systems	FUEL
Fume hood	FUME
Furnishings	FURN
Gas	GAS~
Gate	GATE
Glazing	GLAZ
Glycol systems	GLYC
Geothermal systems	GTHP
Grade line	GRLN
Grating	GRTG
Greywater systems	GREY
Grids	GRID
Ground system	GRND
Halon	HALN
Hot water heating system	HWTR
HVAC systems	HVAC
Hydraulic structure	HYDR
Inert gas	IGAS
Instrumentation system	INST
Insulating oil	INSL
Intercom / PA systems	INTC
Intersection	INTS
Irrigation	IRRG
Joints	JNTS
Joists	JOIS
Laboratory gas systems	LGAS
Lighting	LITE
Lightning protection system	LTNG
Limits of construction / contract	LOCN
Lintels	LNTL
Liquid	LIQD
Logs	LOGS
Lubricating oil	LUBE



Machine shop	MACH
Makeup air systems	MKUP
Mass haul	MASS
Material	MATL
Medical gas systems	MDGS
Miscellaneous features	MISC
Miscellaneous piping systems	MPIP
Miter	MITR
Mixed air	MAIR
Monitoring point	MONP
Mounting system	MNTG
Natural gas systems	NGAS
Node	NODE
Obstructions	OBST
Oil	OIL~
Outline	OTLN
Pads	PADS
Paging system	PGNG
Parcel	PRCL
Parking lots	PRKG
Pavement	PVMT
Photovoltaic modules	PVMD
Piping	PIPE
Plant and landscape material	PLNT
Platform	PLAT
Pole	POLE
Pond	POND
Power	POWR
Pressure	PRES
Process systems	PROC
Profile	PROF
Projector system	PROJ
Property	PROP
Railroad	RAIL
Raw water systems	RWTR
Refrigeration systems	REFG
Reinforcing	REIN
Relief air systems	RAIR
Roadways	ROAD



Roof	ROOF
Safety	SAFT
Sample	SAMP
Sanitary sewer	SSWR
Section	SECT
Security system	SERT
Sign	SIGN
Site features	SITE
Slab	SLAB
Slurry	SLUR
Smoke extraction systems	SMOK
Sound system	SOUN
Special systems	SPCL
Sprinkler	SPKL
Stairs	STRS
Steam system	STEM
Stiffener	STIF
Storm sewer	STRM
Survey	SURV
Telephone system	PHON
Television and video systems	TVVS
Test equipment	TEST
Topographic feature	TOPO
Traffic	TRAF
Transfer air systems	TAIR
Transmission system	TRAN
Trusses	TRUS
Utilities	UTIL
Vacuum	VACU
Walkway	WALK
Waterway	WWAY
Walls	WALL
Water supply	WATR
Well	WELL