



AIA CAD Layer Guidelines

Layer Name	Description	Color	Lineweight	Linetype
Architectural				
A-ANNO-TEXT	General Text	4-cyan	See lineweight notes for more information.	continuous
A-ANNO-REDL	Redlines	1-red		continuous
A-ANNO-SYMB	Symbols	4-cyan		continuous
A-ANNO-LEGN	Legends and schedules	4-cyan		continuous
A-ANNO-DIMS	Dimensions	4-cyan		continuous
A-ANNO-TTLB	Border and Title Block	7-white		continuous
A-ANNO-NOTE	Job Notes	4-cyan		continuous
A-ANNO-NPLT	Construction lines, nonplotting information, viewports	7-white		continuous
A-ANNO-KEYN	Key notes	4-cyan		continuous
A-AREA	Area calculation boundary lines	4-cyan		continuous
A-AREA-IDEN	Room numbers, tenant identifications, area calcs	4-cyan	continuous	
A-AREA-OCCP	Occupant or employee names	4-cyan	continuous	
A-AREA-PATT	Area cross hatching	5-blue	continuous	
A-CLNG	Ceiling information	4-cyan	continuous	
A-CLNG-GRID	Ceiling grid	1-red	continuous	
A-CLNG-PATT	Ceiling patterns	5-blue	continuous	
A-CLNG-SUSP	Suspended elements	4-cyan	continuous	
A-DOOR	Doors	2-yellow	continuous	
A-DOOR-IDEN	Door number, hardware group, etc.	4-cyan	continuous	
A-EQPM	Equipment - built in	1-red	continuous	
A-EQPM-CLNG	Ceiling-mounted or suspended equipment	1-red	continuous	
A-EQPM-FIXD	Fixed equipment	1-red	continuous	
A-EQPM-IDEN	Equipment identification numbers	4-cyan	continuous	
A-EQPM-MOVE	Moveable equipment	1-red	continuous	
A-FLOR	Floor information	2-yellow	continuous	
A-FLOR-CASE	Casework (manufactured cabinets)	1-red	continuous	
A-FLOR-EVTR	Elevator cars and equipment	2-yellow	continuous	
A-FLOR-HRAL	Stair and balcony handrails, guard rails	1-red	continuous	
A-FLOR-IDEN	Room numbers, names, targets, etc.	4-cyan	continuous	
A-FLOR-LEVL	Level changes, ramps, pits, depressions	2-yellow	continuous	
A-FLOR-PATT	Paving, tile, carpet patterns	5-blue	continuous	
A-FLOR-SHFT	Shafts	2-yellow	continuous	
A-FLOR-SIGN	Signage	1-red	continuous	
A-FLOR-SPCL	Architectural specialties (accessories, etc.)	1-red	continuous	
A-FLOR-STRS	Stair treads, escalators, ladders	2-yellow	continuous	
A-FLOR-TPTN	Toilet partitions	2-yellow	continuous	
A-FLOR-WDWK	Architectural woodwork (field-built cabs/counters)	1-red	continuous	
A-GLAZ	Windows, curtain walls, glazed partitions	2-yellow	continuous	
A-GLAZ-FULL	Full-height glazed walls and partitions	2-yellow	continuous	
A-GLAZ-IDEN	Window number	4-cyan	continuous	
A-GLAZ-PHRT	Windows and partial-height glazed partitions	2-yellow	continuous	
A-GLAZ-SILL	Window sills	1-red	continuous	
A-ROOF	Roof	1-red	continuous	
A-ROOF-LEVL	Level changes	2-yellow	continuous	
A-ROOF-OTLN	Roof outline	4-cyan	continuous	
A-ROOF-PATT	Roof surface patterns, hatching	5-blue	continuous	
A-WALL	Walls – general	7-white	continuous	
A-WALL-INTR	Interior Building Wall	9-lt grey	continuous	
A-WALL-FIRE	Fire wall patterning	9-lt grey	continuous	
A-WALL-FULL	Full-height walls, stairs and shaft walls	9-lt grey	continuous	

A-WALL-EXTR	Exterior Building Wall	7-white		continuous
A-WALL-HEAD	Door / window headers (on reflected ceiling plans)	9-lt grey		continuous
A-WALL-JAMB	Door / window jambs (on floor plans only)	4-cyan		continuous
A-WALL-MOVE	Moveable partitions	2-yellow		continuous
A-WALL-PATT	Wall insulation, hatching and fill	5-blue		continuous
A-WALL-PRHT	Partial-height walls (on floor plans only)	2-yellow		continuous

Civil

C-ANNO-DIMS	Dimensions	4-cyan		
C-ANNO-LEGN	Legends and schedules	7-white		continuous
C-ANNO-NOTE	Notes	4-cyan		continuous
C-ANNO-SYMB	Symbols	4-cyan		continuous
C-ANNO-TEXT	General Text	4-cyan		continuous
C-ANNO-TTLB	Border and Title Block	7-white		continuous
C-BLDG	Proposed building footprints	7-white		continuous
C-COMM	Site communication/telephone poles, boxes, towers	4-cyan		continuous
C-FIRE	Fire protection-hydrants, connections	11		continuous
C-NGAS	Natural gas-manholes, meters, storage tanks	11		continuous
C-NGAS-UNDR	Natural gas-underground lines	11		hidden
C-PKNG	Parking lots	11		continuous
C-PKNG-ISLD	Parking islands	4-cyan		continuous
C-PKNG-STRP	Parking lot striping, handicapped symbol	4-cyan		continuous
C-PROP	Property lines, survey benchmarks	7-white		continuous
C-PROP-BRNG	Bearings and distance labels	4-cyan		continuous
C-PROP-CONS	Construction controls	11		continuous
C-PROP-ESMT	Easements, rights-of-way, setback lines	11		continuous
C-ROAD	Roadways	4-cyan		continuous
C-ROAD-CNTR	Center lines	11		center
C-ROAD-CURB	Curbs	4-cyan		continuous
C-SSWR	Sanitary sewer-manholes, pumping stations	11		continuous
C-SSWR-UNDR	Sanitary sewer-underground lines	11		hidden
C-STRM	Storm drainage catch basins, manholes	11		continuous
C-STRM-UNDR	Storm drainage pipe-underground	11		hidden
C-TOPO	Proposed contour lines and elevations	11		continuous
C-TOPO-RTWL	Retaining wall	7-white		continuous
C-TOPO-SPOT	Spot elevations	4-cyan		continuous
C-WATR	Domestic water- manholes, pumping, storage	11		continuous
C-WATR-UNDR	Domestic water-underground lines	11		hidden

Electrical

E-ANNO-TEXT	General Text	4-cyan		continuous
E-ANNO-SYMB	Symbols	4-cyan		continuous
E-ANNO-LEGN	Legends and schedules	4-cyan		continuous
E-ANNO-DIMS	Dimensions	4-cyan		continuous
E-ANNO-TTLB	Border and Title Block	7-white		continuous
E-ANNO-NOTE	Job Notes	4-cyan		continuous
E-1LIN	One-line diagrams	11		continuous
E-ALRM	Miscellaneous alarm system	11		continuous
E-AUXL	Auxiliary systems	11		continuous
E-CCTV	Closed-circuit TV	11		continuous
E-COMM	Telephone, communications outlets	11		continuous
E-CTRL	Electric control system	11		continuous
E-CTRL-DEVC	Control system devices	11		continuous
E-CTRL-WIRE	Control system wiring	11		continuous
E-INTC	Intercom system	11		continuous
E-LITE	Lighting	2-yellow		continuous
E-LITE-CIRC	Lighting circuits	11		continuous
E-LITE-CLNG	Ceiling-mounted lighting	11		continuous
E-LITE-EMER	Emergency lighting	11		continuous

E-LITE-EXIT	Exit lighting	11		continuous
E-LITE-FLOR	Floor-mounted lighting	11		continuous
E-LITE-IDEN	Luminaire identification and text	4-cyan		continuous
E-LITE-JBOX	Junction box	11		continuous
E-LITE-NUMB	Lighting circuit numbers	4-cyan		continuous
E-LITE-ROOF	Roof lighting	11		continuous
E-LITE-SPCL	Special lighting	11		continuous
E-LITE-SWCH	Lighting-switches	11		continuous
E-LITE-WALL	Wall-mounted lighting	11		continuous
E-POWR	Power	11		continuous
E-POWR-BUSW	Busways	11		continuous
E-POWR-CABL	Cable trays	11		continuous
E-POWR-CIRC	Power circuits	11		continuous
E-POWR-CLNG	Power-ceiling receptacles and devices	11		continuous
E-POWR-EQPM	Power equipment	11		continuous
E-POWR-FEED	Feeders	11		continuous
E-POWR-IDEN	Power identification, text	4-cyan		continuous
E-POWR-JBOX	Junction box	11		continuous
E-POWR-NUMB	Power circuit numbers	11		continuous
E-POWR-OTLN	Power outline for backgrounds	11		continuous
E-POWR-PANL	Power panels	11		continuous
E-POWR-SWBD	Power switchboards	11		continuous
E-POWR-URAC	Underfloor raceways	11		hidden
E-POWR-WALL	Power wall outlets and receptacles	11		continuous
E-RISR	Riser diagram	11		continuous
E-SAFETY-DCA	Door contact audio	1-red		continuous
E-SAFETY-EA	Equipment alarmed	1-red		continuous
E-SAFETY-ICDB	Intercom/door buzzer system	1-red		continuous
E-SAFETY-KEYB	Key box	1-red		continuous
E-SAFETY-KEYP	Key pad	1-red		continuous
E-SAFETY-MIRROR	Mirror	1-red		continuous
E-SAFETY-DETX	Detex door alarm	1-red		continuous
E-SAFETY-FESC	Fire escape	1-red		continuous
E-SAFETY-CRDRDR	Card reader	1-red		continuous
E-SAFETY-SHWSH	Emergency shower and eye wash	1-red		continuous
E-SAFETY-EMCB	Emergency call box	1-red		continuous
E-SAFETY-MSDS	Material safety data sheet	1-red		continuous
E-SAFETY-MOTSEN	Motion sensor	1-red		continuous
E-SAFETY-PALRM	Panic alarm	1-red		continuous
E-SAFETY-MNTR	Security monitor	1-red		continuous
E-SAFETY-GBS	Glass break sensor	1-red		continuous
E-SAFETY-DRCNCT	Door contact	1-red		continuous
E-SAFETY-ELSTR	Electric strike	1-red		continuous
E-SAFETY-HNDRDR	Hand reader	1-red		continuous
E-SAFETY-PAV	Panic audio/visual	1-red		continuous
E-SAFETY-GRDDSK	Guard desk	1-red		continuous
E-SAFETY-SCRTY	Security panels	1-red		continuous
E-SOUN	Sound/PA system	1-red		continuous

Fire Protection

F-ANNO-TEXT	General Text	4-cyan		continuous
F-ANNO-SYMB	Symbols	4-cyan		continuous
F-ANNO-LEGN	Legends and schedules	4-cyan		continuous
F-ANNO-DIMS	Dimensions	4-cyan		continuous
F-ANNO-TTLB	Border and Title Block	7-white		continuous
F-ANNO-NOTE	Job Notes	4-cyan		continuous
F-CO2S	CO2 system	11		continuous
F-CO2S-EQPM	CO2 equipment	11		continuous

F-CO2S-PIPE	CO2 sprinkler piping	11		continuous
F-HALN	Halon	11		continuous
F-HALN-EQPM	Halon equipment	11		continuous
F-HALN-PIPE	Halon Piping	11		continuous
F-IGAS	Inert gas	11		continuous
F-IGAS-EQPM	Inert gas equipment	11		continuous
F-IGAS-PIPE	Inert gas piping	11		continuous
F-PROT	Fire protection systems	11		continuous
F-PROT-ANSUL	Ansul hood fire suppression	11		continuous
F-PROT-ALRM	Fire alarm	11		continuous
F-PROT-ASMBL	Assembly	11		continuous
F-PROT-BLKT	Fire blanket	11		continuous
F-PROT-CONCOM	Fire control / communicator	11		continuous
F-PROT-EQPM	Fire system equipment (hose cabinet/extinguishers	11		continuous
F-PROT-FSSPCP	Fire system smoke purge control panel	11		continuous
F-PROT-KIDDE	Kidde fire suppression for computer clean room	11		continuous
F-PROT-PULL	Fire system pull station	11		continuous
F-PROT-PUMP	Fire pump	11		continuous
F-PROT-SAFE	Safe	11		continuous
F-PROT-SMOK	Smoke detectors/heat sensors	11		continuous
F-PROT-TEL	Fire fighter telephone	11		continuous
F-SPRN	Fire protection sprinkler system	11		continuous
F-SPRN-ALRM	Sprinkler alarm bell	11		continuous
F-SPRN-CLHD	Sprinkler head-ceiling	11		continuous
F-SPRN-OTHD	Sprinkler head-other	11		continuous
F-SPRN-PIPE	Sprinkler piping	11		continuous
F-SPRN-STAN	Sprinkler system standpipe	11		continuous
F-SPRN-SVTS	Sprinkler valve tamper switch	11		continuous
F-STAN	Fire protection standpipe system	11		continuous

Interior

I-ANNO-TEXT	General Text	4-cyan		continuous
I-ANNO-SYMB	Symbols	4-cyan		continuous
I-ANNO-LEGN	Legends and schedules	4-cyan		continuous
I-ANNO-DIMS	Dimensions	4-cyan		continuous
I-ANNO-TTLB	Border and Title Block	7-white		continuous
I-ANNO-NOTE	Job Notes	4-cyan		continuous
I-EQPM	Equipment	11		continuous
I-EQPM-MOVE	Moveable equipment	11		continuous
I-FURN	Furniture	1-red		continuous
I-FURN-CASE	Cabinetry / casement	1-red		continuous
I-FURN-CHAR	Chairs and other seating	1-red		continuous
I-FURN-FILE	File cabinets	1-red		continuous
I-FURN-FREE	Furniture - freestanding (desks, credenzas, etc.)	1-red		continuous
I-FURN-IDEN	Furniture numbers	4-cyan		continuous
I-FURN-PLNT	Plants	1-red		continuous
I-FURN-PNLS	Furniture system panels	1-red		continuous
I-FURN-POWR	Furniture system-power designation	1-red		continuous
I-FURN-WKSF	Furniture system work surface components	1-red		continuous

Landscaping

L-ANNO-TEXT	General Text	4-cyan		continuous
L-ANNO-SYMB	Symbols	4-cyan		continuous
L-ANNO-LEGN	Legends and schedules	4-cyan		continuous
L-ANNO-TTLB	Border and Title Block	7-white		continuous
L-ANNO-NOTE	Job Notes	4-cyan		continuous
L-PLNT	Plant and landscape materials	11		continuous
L-PLNT-BEDS	Rock, bark, and other landscaping beds	11		continuous
L-PLNT-GRND	Ground cover and vines	11		continuous

L-PLNT-PLAN	Planting plants	11		continuous
L-PLNT-TREE	Trees	11		continuous
L-PLNT-TURF	Lawn areas	11		continuous
L-SITE	Site improvements	11		continuous
L-SITE-BRDG	Bridges	11		continuous
L-SITE-DECK	Decks	11		continuous
L-SITE-FENC	Fencing	11		continuous
L-SITE-FURN	Site furnishings	1-red		continuous
L-SITE-PLAY	Play structures	11		continuous
L-SITE-POOL	Pools and spas	11		continuous
L-SITE-SPRT	Sports fields	11		continuous
L-SITE-STEP	Steps	2-yellow		continuous
L-SITE-WALL	Walls	7-white		continuous
L-WALK	Walks and steps	2-yellow		continuous
L-WALK-PATT	Walks and steps-cross-hatch patterns	5-blue		continuous

Mechanical

M-ANNO-TEXT	General Text	4-cyan		continuous
M-ANNO-SYMB	Symbols	4-cyan		continuous
M-ANNO-LEGN	Legends and schedules	4-cyan		continuous
M-ANNO-TTLB	Border and Title Block	7-white		continuous
M-ANNO-NOTE	Job Notes	4-cyan		continuous
M-CMPA	Compressed air systems	11		continuous
M-CMPA-CEQP	Compressed air equipment	11		continuous
M-CMPA-CPIP	Compressed air piping	11		continuous
M-CMPA-PEQP	Process air equipment	11		continuous
M-CMPA-PPIP	Process air piping	11		continuous
M-CONT	Controls and instrumentation	11		continuous
M-CONT-THER	Thermostats	11		continuous
M-CONT-WIRE	Low voltage wiring	11		continuous
M-CWTR	Chilled water systems	11		continuous
M-CWTR-EQPM	Chilled water equipment	11		continuous
M-CWTR-PIPE	Chilled water piping	11		continuous
M-EXHS	Exhaust system	11		continuous
M-EXHS-DUCT	Exhaust system ductwork	11		continuous
M-EXHS-EQPM	Exhaust system equipment	11		continuous
M-EXHS-RFEQ	Rooftop exhaust equipment	11		continuous
M-FUME-EQPM	Fume hoods	11		continuous
M-FUME-EXHS	Fume hood exhaust system	11		continuous
M-HOTW	Hot water heating system	11		continuous
M-HOTW-EQPM	Hot water equipment	11		continuous
M-HOTW-PIPE	Hot water piping	11		continuous
M-HVAC	HVAC system	11		continuous
M-HVAC-CDFF	HVAC ceiling diffusers	11		continuous
M-HVAC-DUCT	HVAC ductwork	11		continuous
M-HVAC-EQPM	HVAC equipment	11		continuous
M-HVAC-ODFF	HVAC other diffusers	11		continuous
M-HVAC-RDFF	Return air diffusers	11		continuous
M-HVAC-SDFF	Supply diffusers	11		continuous
M-MDGS	Medical gas systems	11		continuous
M-MDGS-EQPM	Medical gas equipment	11		continuous
M-MDGS-PIPE	Medical gas piping	11		continuous
M-SPCL	Special systems	11		continuous
M-SPCL-EQPM	Special equipment	11		continuous
M-SPCL-PIPE	Special piping	11		continuous
M-STEM	Steam systems	11		continuous
M-STEM-CONP	Steam systems condensate piping	11		continuous
M-STEM-EQPM	Steam systems equipment	11		continuous

M-STEM-HPIP	High pressure steam piping	11		continuous
M-STEM-LPIP	Low pressure steam piping	11		continuous
M-STEM-MPIP	Medium pressure steam piping	11		continuous

Plumbing

P-ANNO-TEXT	General Text	4-cyan		continuous
P-ANNO-SYMB	Symbols	4-cyan		continuous
P-ANNO-LEGN	Legends and schedules	4-cyan		continuous
P-ANNO-TTLB	Border and Title Block	7-white		continuous
P-ANNO-NOTE	Job Notes	4-cyan		continuous
P-ACID	Acid, alkaline, oil waste systems	11		continuous
P-ACID-PIPE	Acid, alkaline, oil waste piping	11		continuous
P-DOMW	Domestic hot and cold water systems	11		continuous
P-DOMW-CPIP	Domestic cold water piping	11		continuous
P-DOMW-EQPM	Domestic hot and cold water equipment	11		continuous
P-DOMW-HPIP	Domestic hot water piping	11		continuous
P-DOMW-RISR	Domestic hot and cold water risers	11		continuous
P-EQPM	Plumbing - miscellaneous equipment	11		continuous
P-FIXT	Plumbing fixtures, toilets, sinks	3-green		continuous
P-SANR	Sanitary drainage	11		continuous
P-SANR-EQPM	Sanitary equipment	11		continuous
P-SANR-FIXT	Plumbing fixtures	3-green		continuous
P-SANR-FLDR	Floor drains	11		continuous
P-SANR-PIPE	Sanitary piping	11		continuous
P-SANR-RISR	Sanitary risers	11		continuous
P-STRM	Storm drainage system	11		continuous
P-STRM-PIPE	Storm drain piping	11		continuous
P-STRM-RFDR	Roof drains	11		continuous
P-STRM-RISR	Storm drain risers	3-green		continuous

Structural

S-ANNO-TEXT	General Text	4-cyan		continuous
S-ANNO-SYMB	Symbols	4-cyan		continuous
S-ANNO-LEGN	Legends and schedules	4-cyan		continuous
S-ANNO-DIMS	Dimensions	4-cyan		continuous
S-ANNO-TTLB	Border and Title Block	7-white		continuous
S-ANNO-NOTE	Job Notes	4-cyan		continuous
S-BEAM	Beams	6-magenta		continuous
S-COLS	Columns	7-white		continuous
S-FNDN	Foundation	11		continuous
S-FNDN-PILE	Piles, drilled piers	11		continuous
S-FNDN-RBAR	Foundation reinforcing	11		continuous
S-GRID	Column grid	1-red		center
S-GRID-DIMS	Column grid dimensions	4-cyan		continuous
S-GRID-EXTR	Column grid outside building	11		continuous
S-GRID-IDEN	Column grid tags	4-cyan		continuous
S-GRID-INTR	Column grid inside building	11		continuous
S-WALL	Structural bearing or shear walls	7-white		continuous

Telecomm

T-ANNO-TEXT	General Text	4-cyan		continuous
T-ANNO-SYMB	Symbols	4-cyan		continuous
T-ANNO-LEGN	Legends and schedules	4-cyan		continuous
T-ANNO-TTLB	Border and Title Block	7-white		continuous
T-ANNO-NOTE	Job Notes	4-cyan		continuous
T-CABL	Cable plan	11		continuous
T-DIAG	Diagram	11		continuous
T-EQPM	Equipment plan	11		continuous
T-JACK	Data/telephone jacks	11		continuous

NYU-ANNO-TEXT	General Text	4-cyan		continuous
NYU-ANNO-REDL	Redlines	1-red		continuous
NYU-ANNO-SYMB	Symbols	4-cyan		continuous
NYU-ANNO-LEGN	Legends and schedules	4-cyan		continuous
NYU-ANNO-DIMS	Dimensions	4-cyan		continuous
NYU-ANNO-TTLB	Border and University Title Block	7-white		continuous
NYU-ANNO-NOTE	Job Notes	4-cyan		continuous
NYU-ANNO-APTBLCK	Apartment block	4-cyan		continuous
NYU-ANNO-FLRBLCK	Floor block	4-cyan		continuous
NYU-ANNO-RMBLCK	Room block	4-cyan		continuous
NYU-ANNO-NPLT	Construction lines, nonplotting information, viewports	7-white		continuous
NYU-ANNO-KEYN	Key notes	4-cyan		continuous
NYU-SPAC-OCCUP	Room function or occupant	4-cyan		continuous
NYU-SPAC-ROOM	Net room area boundaries (polylines)	4-cyan		continuous
NYU-SPAC-RMNO	Signed or unsigned room number	4-cyan		continuous
NYU-SPAC-EGROS	Exterior gross floor area boundaries (polylines)	6-magenta		continuous
NYU-SPAC-IGROS	Interior gross floor area boundaries (polylines)	6-magenta		continuous
NYU-SPAC-APT	Apartment gross floor area boundaries (polylines)	6-magenta		continuous
NYU-SPAC-COMMON	Common area boundaries (polylines)	6-magenta		continuous
NYU-SPAC-DEPT	Departmentt gross floor area boundaries (polylines)	6-magenta		continuous
NYU-SPAC-PATT	Area Hatching	5-blue		continuous

LINEWEIGHT

The following chart shows pen weight assignments which should maximize the printed clarity of drawings conforming to the color assignments of NYU layers. Other pen weights must be assigned at the discretion of each user.

Pen #	Color	Full Scale Pen Weight	11x17 Pen Weight	Core drawing elements (including, but not limited to):
1	red	0.01	0.005	furniture, casement, fixed/moveable equipment
2	yellow	0.01	0.007	stairs details, doors, windows & glazing, elevator cars, toilet partitions, partial height walls
3	green	0.012	0.007	toilets,
4	cyan	0.012	0.008	text, dimensions, legends, etc, NYU room polylines, Room number
5	blue	0.004	0.005	Space hatching,
6	magenta	0.016	0.012	structural columns, NYU gross floor polylines
7	white	0.026	0.02	walls, exterior
8	dk grey	0.012	0.007	60% screening,
9	lt grey	0.016	0.01	walls, interior (except partial height walls)
30	orange	0.025	0.02	
50	tan	0.035	0.026	

TEXT HEIGHT

To maximize the printed clarity of drawings, general text must be 3/32 inches or 1/4 inches in height. For example when printing to scale 1/16" = 12" your text height must be set to 18 inches.

Layer Name Formatting

As recommended by the AIA CAD Layer Guidelines, layer names may be as short as six characters (discipline code + major group) or as long as sixteen characters (discipline code + major group + minor group + status). Here are the four examples of acceptable formula variations, with explanations of formula variables found below:

1 A-WALL = discipline code + major group

2 A-WALL-FULL = discipline code + major group + minor group

3 A-WALL-DEMO = discipline code + major group + status code

4 A-WALL-FULL-DEMO = discipline code + major group + minor group + status

Discipline Code:

The predefined discipline codes are the same for both layer names and file names.

Major Group:

The major group designation is a four-character field that identifies the building system, such as doors, walls, windows, etc. Although most major groups are logically associated with specific discipline codes, it is possible to combine major group codes with any of the discipline codes. For example, A-WALL or I-WALL.

Minor Group:

This is an optional, four-character field for further differentiation of major groups. For example, partial height walls (A-WALL-PART) might be differentiated from full height walls (A-WALL-FULL). The following common modifiers defined by the AIA can also be used in the minor group field:

IDEN identification tags example: A-DOOR-IDEN

PATT cross hatching, poche example: A-WALL-PATT

If necessary, the minor group field may also be defined by the user, allowing additional layers to be added to accommodate special project requirements. However, this should only be done after checking with NYU SAPD or the Master Layer List in AIA CAD Layer Guidelines to see if any of the predefined layer names in that list would meet the special project requirements.

Status Field:

The status field is an optional four-character designator that differentiates new construction from remodeling and existing to remain. It is only needed when phases of work must be differentiated, and can be used in place of or in addition to a minor group designation, such as A-WALL-NEWW or A-WALL-FULL-NEWW. In either case, the status field is always the last four-characters of the layer name. Defined values for this field as defined by the AIA are as follows:

NEWW new work

EXST existing to remain

DEMO existing to demolish

FUTR future work

TEMP temporary work

MOVE items to be moved

RELO relocated items

NICN not in contract

PHS1-9 phase numbers (1-9)