

AIA LEVEL/LAYER TABLE

This appendix provides the level/ layer assignment tables for the following disciplines which are grouped based on their major discipline:

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The following abbreviations/definitions apply to the layer tables:

- Line Style** – numeric values 0 – 11 are based on values in Table 3.1
 Alphanumeric values refer to custom line style
- Line Weight** – MicroStation, wt = 1, AutoCAD wt = default for all levels/layers
- Color** – Color number (1-255)
- V** – Variable color or line style

Discipline: A - Architectural

ANNO - General Information
AREA - Area
BAGS - Baggage Handling Equipment
CLNG - Ceiling Information
COLS - Columns
DETL - Detail Information
DOOR - Doors
ELEV - Elevations
EQPM - Equipment
FLOR - Floor Information
GLAZ - Windows
LITE - Lights
PROP - Properties Information
ROOF - Roof Information
SECT - Sections
STAT - Demolition (used only in creating Existing Demolition model files)
WALL - Walls

Discipline: A - Architectural

ANNO - General Information

AIA Name	Description	Line Style	Color
A-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
A-ANNO-GRPH	Miscellaneous graphics	V	V
A-ANNO-KEYN	Reference keynotes with associated leaders	0	V
A-ANNO-LEGN	Legend & Schedule	0	V
A-ANNO-NOTE	General notes and general remarks	0	Y/2
A-ANNO-NPLT	Non-plotting graphic information	V	B/5
A-ANNO-PATT	Miscellaneous patterning and hatching	V	V
A-ANNO-REDL	Redlines	0	R/1
A-ANNO-REFR	Reference files	0	7
A-ANNO-REF1	Reference files	0	7
A-ANNO-REF2	Reference files	0	7
A-ANNO-REF3	Reference files	0	7
A-ANNO-REF4	Reference files	0	7
A-ANNO-REF5	Reference files	0	7
A-ANNO-REF6	Reference files	0	7
A-ANNO-REF7	Reference files	0	7
A-ANNO-REF8	Reference files	0	7
A-ANNO-REF9	Reference files	0	7
A-ANNO-REVS	Revisions	0	C/4
A-ANNO-SYMB	Miscellaneous symbols	V	M/6
A-ANNO-TEXT	Miscellaneous text and callouts with associated leaders	0	V

AREA - Area

AIA Name	Description	Line Style	Color
A-AREA-IDEN	Room numbers, tenant identifications, area calculations	0	Y/2
A-AREA-LINE	Architectural area calculation boundary lines	0	C/4
A-AREA-OCCP	Occupant or employee names	0	Y/2
A-AREA-PATT	Area cross hatching	0	V

BAGS - Baggage Handling Equipment

AIA Name	Description	Line Style	Color
A-BAGS-CART	Cart/Tug	0	V
A-BAGS-CATW	Catwalk	0	V
A-BAGS-CLMD	Claim Device	0	201
A-BAGS-CONV	Baggage Conveyor	0	201
A-BAGS-CRBS	Curbside Baggage Conveyor	0	201
A-BAGS-CTRL	Control	0	V
A-BAGS-DIMM	Dimension	0	V
A-BAGS-DOOR	Doors	0	V
A-BAGS-ELEV	Elevation	0	V
A-BAGS-EQPM	Equipment	0	201
A-BAGS-ICNV	Inbound Baggage Conveyor	0	V
A-BAGS-IO SZ	Inbound Oversized Baggage Conveyor	0	V
A-BAGS-MKUP	Make-Up Device	0	201
A-BAGS-MTCH	Match Lines	0	V
A-BAGS-NOTE	Notes	0	Y/2
A-BAGS-OCNV	Outbound Baggage Conveyor	0	V
A-BAGS-OOSZ	Outbound Oversized Baggage Conveyor	0	V
A-BAGS-RAIL	Guardrail	0	V
A-BAGS-ROWY	Right-of-Way	0	V
A-BAGS-SCDR	Security Door	0	V
A-BAGS-SCNU	Screening Unit	0	V

A-BAGS-TBLK	Title Block	0	V
A-BAGS-TCBC	Ticket Counter Baggage Conveyor	0	V
A-BAGS-TEMP	Temporary	0	V
A-BAGS-TTRY	Tilt-Tray Baggage System	0	V
A-BAGS-VPRT	View Port Layer for Paper Space	0	V
A-BAGS-XFER	Transfer Baggage Conveyor	0	V
A-BAGS-XRAY	X-Ray Unit	0	201

CLNG - Ceiling Information

AIA Name	Description	Line Style	Color
A-CLNG-ACCS	Access panels	0	M/6
A-CLNG-CTLJ	Ceiling control joints	0	Y/2
A-CLNG-GRID	Ceiling grid	0	R/1
A-CLNG-LEVL	Level Changes	0	B/5
A-CLNG-OPEN	Openings, ceiling/roof penetrations (see also A-FLOR-OVHD in Model File Type: Floor Plan)	0	Gr/8
A-CLNG-PATT	Ceiling patterns	0	V
A-CLNG-SUSP	Suspended elements, ceiling mounted specialties (e.g., clocks, fans, etc.)	0	B/5
A-CLNG-TEES	Main tees	0	B/5

COLS - Columns

AIA Name	Description	Line Style	Color
A-COLS-ENCL	Column enclosures/fire protection	0	C/4

DETL - Detail Information

AIA Name	Description	Line Style	Color
A-DETL-GRPH	Graphics, gridlines, non-text items	V	V
A-DETL-INPD	Inch-pound-specific dimensions and notes	0	Y/2
A-DETL-METR	Metric-specific dimensions and notes	0	Y/2

DOOR - Doors

AIA Name	Description	Line Style	Color
A-DOOR-FULL	Full height (to ceiling) door: swing and leaf	0	M/6
A-DOOR-IDEN	Door number and symbol, hardware group, etc.	0	G/3
A-DOOR-PRHT	Partial height door: swing and leaf	0	M/6
A-DOOR-SYMB	Miscellaneous door symbols (e.g., overhead, bifold, pocket, etc.)	0	R/1

ELEV - Elevations

AIA Name	Description	Line Style	Color
A-ELEV-CASE	Wall-mounted casework	0	G/3
A-ELEV-FIXT	Miscellaneous fixtures	0	Y/2
A-ELEV-FNSH	Finishes, woodwork, trim	0	G/3
A-ELEV-GRPH	Elevation line work	V	V
A-ELEV-IDEN	Component identification numbers	0	Y/2
A-ELEV-OTLN	Building outlines	0	M/6
A-ELEV-PATT	Textures and hatch patterns	0	V
A-ELEV-PFIX	Plumbing fixtures	0	M/6
A-ELEV-SIGN	Signage	0	R/1

EQPM - Equipment

AIA Name	Description	Line Style	Color
A-EQPM-ACCS	Equipment access	0	M/6
A-EQPM-BELW	Equipment below Floor	0	C/4
A-EQPM-CLRN	Equipment clearance	0	C/4
A-EQPM-FIXD	Fixed equipment	0	C/4
A-EQPM-IDEN	Equipment identification numbers	0	M/6
A-EQPM-JETB	Airport Jetbridge	0	C/4
A-EQPM-MOVE	Moveable equipment	0	M/6
A-EQPM-NICN	Not in contract equipment	3	M/6
A-EQPM-OVHD	Overhead, ceiling mounted, or suspended equipment	0	M/6

FLOR - Floor Information

AIA Name	Description	Line Style	Color
A-FLOR-CASE	Casework (manufactured cabinets)	0	G/3
A-FLOR-EVTR	Elevator cars and equipment	0	Y/2
A-FLOR-EXPJ	Expansion and Seismic Joints	0	V
A-FLOR-FIXT	Floor mounted/Free standing miscellaneous fixtures	0	G/3
A-FLOR-FURN	Furniture Layers	0	V
A-FLOR-FURN-BOOK	Bookcases	V	V
A-FLOR-FURN-CHAR	Chairs	V	V
A-FLOR-FURN-CUST	Custom made furniture	V	V
A-FLOR-FURN-FILE	File cabinets	V	V
A-FLOR-FURN-HIDN	Surfaces Below	V	V
A-FLOR-FURN-MANF	Case Goods	V	V
A-FLOR-FURN-PNLS	System Panels	V	V
A-FLOR-FURN-SHLF	Shelving	V	V
A-FLOR-FURN-UPPR	Surfaces Overhead	V	V
A-FLOR-FURN-WKSF	System Work Surface	V	V
A-FLOR-HRAL	Stair and balcony handrails, guard rails	0	R/1
A-FLOR-IDEN	Room name, space identification text	0	G/3

A-FLOR-LEVL	Level changes, shafts, ramps, pits, breaks in construction, and depressions	0	M/6
A-FLOR-NUMB	Room/space identification number and symbol	0	G/3
A-FLOR-OTLN	Floor outline/perimeter/building footprint	0	M/6
A-FLOR-OTLN-RPRM	Room perimeter shape (Interior walls)	0	Y/2
A-FLOR-OVHD	Overhead items (skylights, overhangs etc.)	2	Gr/8
A-FLOR-PATT	Paving, tile, carpet patterns	0	V
A-FLOR-RAIS	Access (raised) flooring	0	G/3
A-FLOR-SIGN	Signage	0	R/1
A-FLOR-SPCL	Architectural specialties (e.g., toilet room accessories, display cases)	0	G/3
A-FLOR-STRS	Stair risers/treads, escalators, ladders	0	Y/2
A-FLOR-TPTN	Toilet partitions	0	R/1
A-FLOR-WDWK	Architectural woodwork (field built cabinets and counters)	0	G/3

GLAZ - Windows

AIA Name	Description	Line Style	Color
A-GLAZ-FULL	Full height glazed walls and partitions (see A-WALL-CWMG for curtain walls)	0	R/1
A-GLAZ-IDEN	Window number and symbol	0	G/3
A-GLAZ-PRHT	Windows and partial height glazed partitions	0	R/1
A-GLAZ-SILL	Window sills	0	B/5

LITE - Lights

AIA Name	Description	Line Style	Color
A-LITE-CLNG	Specialty ceiling lights not shown on Electrical Lighting Plan	0	C/4

PROP - Properties Information

AIA Name	Description	Line Style	Color
A-PROP-LEAS	Lease line (interior)	0	M/6

ROOF - Roof Information

AIA Name	Description	Line Style	Color
A-ROOF-CRTS	Crickets flow arrows flow info	0	R/1
A-ROOF-EXPJ	Expansion joints	0	B/5
A-ROOF-GUTR	Roof internal gutters	0	Gr/8
A-ROOF-HRAL	Stair handrails, nosings, guard rails	0	B/5
A-ROOF-LEVL	Level changes	0	B/5
A-ROOF-OPEN	Roof Open Below ('X' line symbol)	0	V
A-ROOF-OTLN	Roof perimeter/edge, roof geometry	0	M/6
A-ROOF-PATT	Roof surface patterns, hatching	0	V
A-ROOF-RFDR	Roof drains	0	R/1
A-ROOF-SPCL	Roof specialties, accessories, access hatches, dormers	0	G/3
A-ROOF-STRS	Stair risers/treads, ladders	0	B/5
A-ROOF-WALK	Roof walkways	0	G/3
A-ROOF-WALL	Parapet walls and wall caps	0	Y/2

SECT - Sections

AIA Name	Description	Line Style	Color
A-SECT-IDEN	Component identification numbers	0	Y/2
A-SECT-MBND	Material beyond section cut	0	B/5
A-SECT-MCUT	Material cut by section	V	V
A-SECT-PATT	Textures and hatch patterns	0	V

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
A-STAT-DEMO	Demolition	2	M/6
A-STAT-DEMO-PHS1	Demolition - phase 1	0	203
A-STAT-DEMO-PHS2	Demolition - phase 2	0	83
A-STAT-DEMO-PHS3	Demolition - phase 3	0	163
A-STAT-EXST	Existing to remain	0	G/3
A-STAT-FUTR	Future work	7	Y/2
A-STAT-MOVE	Items to be moved	6	M/6
A-STAT-NEWW	New work	0	C/4
A-STAT-NICN	Not in contract	3	Gr/8
A-STAT-PHS#	Phase numbers (#=1-9)	0	Y/2
A-STAT-RELO	Relocated items	2	B/5
A-STAT-TEMP	Temporary work	4	C/4

WALL - Walls

AIA Name	Description	Line Style	Color
A-WALL-CAVI	Cavity wall lines	0	R/1
A-WALL-CNTR	Wall centerlines	7	B/5
A-WALL-CWMG	Curtain wall mullions and glass	0	R/1
A-WALL-FIRE	Fire wall designators (patterning)	0	Y/2
A-WALL-FULL-EXTR	Exterior full height walls	0	Y/2
A-WALL-FULL-INTR	Interior full height walls	0	G/3
A-WALL-HEAD	Door and window headers (appear on Reflected Ceiling Plan)	0	R/1
A-WALL-IDEN	Wall identification/type text or tags	0	G/3
A-WALL-JAMB	Door and window jambs (do not appear on Reflected Ceiling Plan)	0	R/1
A-WALL-MOVE	Moveable walls/partitions	0	B/5

A-WALL-PATT	Wall insulation, hatching, and fill	0	V
A-WALL-PRHT	Partial height walls (do not appear on Reflected Ceiling Plan)	0	R/1
A-WALL-SPCL	Wall-hung/attached specialties (e.g., fixtures, grab bars (incl. handicap), telephone booths)	0	R/1

Discipline: B – Geotechnical

ANNO - General Information

BORE - Borings/Perc Holes

Discipline: B - Geotechnical**ANNO - General Information**

AIA Name	Description	Line Style	Color
B-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
B-ANNO-KEYN	Reference keynotes with associated leaders	0	V
B-ANNO-LEGN	Legend & Schedule	0	V
B-ANNO-NOTE	General notes and general remarks	0	Y/2
B-ANNO-NPLT	Non-plotting graphic information	V	B/5
B-ANNO-PATT	Miscellaneous patterning and hatching	0	V
B-ANNO-REDL	Redlines	0	R/1
B-ANNO-REFR	Reference files	NA	NA
B-ANNO-REVS	Revisions	0	C/4
B-ANNO-SYMB	Miscellaneous symbols	V	M/6
B-ANNO-TEXT	Miscellaneous text and callouts with associated leaders	0	V

BORE - Borings/Perc Holes

AIA Name	Description	Line Style	Color
B-BORE-ELEV	Boring elevations	0	G/3
B-BORE-FDTA	Field data	0	G/3
B-BORE-HOLE	Bore/perc hole number	0	Y/2
B-BORE-IDEN	Component identification numbers	0	Y/2
B-BORE-LDTA	Laboratory data	0	R/1
B-BORE-PATT	Soil/rock patterns	0	V

Discipline: C – Civil

AIRF - Airfield
AIRS - Airspace
ALGN - Alignments
ANNO - General Information
APRN - Apron
BLDG - Buildings and Structures
BORW - Borrow Areas
CHAN - Channels (waterway)
DETL - Detail Information
DOMW - Domestic Water
DRED - Dredging
ELEV - Elevations
FUEL - Liquid Fuel
GRAD - Grade Linework
GRID - Grid Lines
HELI - Heliports
INDW - Industrial Waste Water
JOIN - Joints
NGAS - Natural Gas
OVRN - Overrun Areas
PADS - Pads (Arm/Disarm, Calibrations, etc.)
PKNG - Parking Lots and Minor Roads
PROF - Profiles
PROP - Property
PVMT - Pavement
RAIL - Railroads
ROAD - Major Roads
RUNW - Runway
SECT - Sections
SITE - Site Improvement
SSWR - Sanitary Sewer
STAT - Demolition (used only in creating Existing Demolition model files)
STRC - Structures
STRM - Storm Drainage
SURV - Survey Lines
TAXI - Taxiways
TOPO - Topography
TRAF - Traffic

Discipline: C - Civil**AIRF - Airfield**

AIA Name	Description	Line Style	Color
C-AIRF-AHOA	Aircraft / Helicopter Operations Area	3	84
C-AIRF-AIDC	Airfield Navigational Aid - Critical Area	0	Y/2
C-AIRF-AIDS	Airfield Navigational Aid - Site	0	Y/2
C-AIRF-AIDS-COMM	Communications airfield navigational aides	0	Y/2
C-AIRF-AIDS-GPS_	GPS airfield navigational aides	0	Y/2
C-AIRF-AIDS-ILS_	Airfield Instrument Landing System	0	Y/2
C-AIRF-AIDS-MCWV	Microwave airfield navigational aides	0	Y/2
C-AIRF-AIDS-OTHR	Other airfield navigational aides	0	Y/2
C-AIRF-AIDS-RADI	Radio airfield navigational aides	0	Y/2
C-AIRF-AIDS-RADR	Radar airfield navigational aides	0	Y/2
C-AIRF-AIDS-RMTE	Remote airfield navigational aides	0	Y/2
C-AIRF-AIDS-WTHR	Weather airfield navigational aides	0	Y/2
C-AIRF-DSRF-BLDR	Building Restriction Line	0	G/3
C-AIRF-DSRF-KEYH	Key holes	0	G/3
C-AIRF-DSRF-NMOV	Aircraft Non-Movement Area	0	G/3
C-AIRF-DSRF-OFA_	Object Free Area	0	G/3
C-AIRF-DSRF-OFZ_	Object Free Zone	0	G/3
C-AIRF-DSRF-POFA	Precision Object Free Area	0	G/3
C-AIRF-DSRF-RPZ_	Runway Protection Zone	0	G/3
C-AIRF-DSRF-RSA_	Runway Safety Area	0	G/3
C-AIRF-OBST-LINE	Airspace obstructions - Line	0	G/3
C-AIRF-OBST-POLY	Airspace obstructions - Polygon	0	G/3
C-AIRF-OBST-PPNT	Airspace obstructions - Point	0	G/3
C-AIRF-PROP	Airport property	3	84
C-AIRF-SIDA	Security Identification Display Area	3	84
C-AIRF-TRKL	Flight Track Line	0	Y/2
C-AIRF-TRKP	Flight Track Point	0	Y/2

AIRS - Airspace

AIA Name	Description	Line Style	Color
C-AIRS-ISOC	Approach surface isoclines	0	Y/2
C-AIRS-OTHR	Other airspace surfaces	0	G/3
C-AIRS-PART-APRC	FAR Part 77 Approach Surface	0	G/3
C-AIRS-PART-CONL	FAR Part 77 Conical Surface	0	G/3
C-AIRS-PART-HORZ	FAR Part 77 Horizontal Surface	0	G/3
C-AIRS-PART-PRIM	FAR Part 77 Primary Surface	0	G/3
C-AIRS-PART-TRNS	FAR Part 77 Transitional Surface	0	G/3
C-AIRS-TERP	TERPS surfaces	0	G/3

ALGN - Alignments

AIA Name	Description	Line Style	Color
C-ALGN-DATA	Alignment coordinates and curve data	0	G/3
C-ALGN-LINE	Alignments	4	Y/2

ANNO - General Information

AIA Name	Description	Line Style	Color
C-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
C-ANNO-KEYN	Reference keynotes with associated leaders	0	V
C-ANNO-LEGN	Legend & Schedule	0	V
C-ANNO-NOTE	General notes and general remarks	0	Y/2
C-ANNO-NPLT	Non-plotting graphic information	V	B/5
C-ANNO-PATT	Miscellaneous patterning and hatching	0	V
C-ANNO-REDL	Redlines	0	R/1
C-ANNO-REFR	Reference files	NA	NA
C-ANNO-REVS	Revisions	0	C/4
C-ANNO-SYMB	Miscellaneous symbols	V	M/6

C-ANNO-TEXT	Miscellaneous text and callouts with associated leaders	0	V
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APRN - Apron

AIA Name	Description	Line Style	Color
C-APRN-ACPK	Aircraft gate/stand parking area	0	C/4
C-APRN-ANOM	Aircraft non-movement area	0	C/4
C-APRN-CNTR	Centerlines	7	R/1
C-APRN-CNTR-IDEN	Centerline annotation	0	Y/2
C-APRN-DEIC	Aircraft Deicing Area	0	C/4
C-APRN-GRND	Grounding points	0	Y/2
C-APRN-HOLD	Holding position markings	0	R/1
C-APRN-IDEN	Annotation	0	Y/2
C-APRN-JOIN	Apron joints	0	Y/2
C-APRN-MOOR	Mooring points	0	Y/2
C-APRN-MRKG	Apron markings	0	C/4
C-APRN-OTLN	Airfield apron - outlines	0	C/4
C-APRN-SECU	Security zone markings	0	R/1
C-APRN-SHLD	Shoulder stripes	0	Y/2

BLDG - Buildings and Structures

AIA Name	Description	Line Style	Color
C-BLDG-IDEN	Building and other structure annotation	0	Y/2
C-BLDG-OTLN	Buildings and other structures	0	W/7
C-BLDG-PATT	Building hatching and patterns	0	V

BORW - Borrow Areas

AIA Name	Description	Line Style	Color
C-BORW-IDEN	Borrow/Spoil area annotation	0	Y/2
C-BORW-LINE	Borrow/Spoil area	2	Y/2

CHAN - Channels (waterway)

AIA Name	Description	Line Style	Color
C-CHAN-AIDS	Navigation aids and text	0	Y/2
C-CHAN-CNTR	Channel centerline and survey report lines	4	B/5
C-CHAN-CNTR-IDEN	Channel centerline and survey report lines - annotation	0	B/5
C-CHAN-DACL	De-authorized channel limits, anchorages, etc.	0	G/3
C-CHAN-DACL-IDEN	De-authorized channel limits, anchorages, etc. - annotation	0	G/3
C-CHAN-IDEN	Channel limits, anchorages, turning basins, disposal areas, etc. - annotation	0	M/6
C-CHAN-LIMT	Channel limits, anchorages, turning basins, disposal areas, etc.	0	M/6
C-CHAN-TURN	Turning points	0	Y/2

DETL - Detail Information

AIA Name	Description	Line Style	Color
C-DETL-CONC	Concrete	0	M/6
C-DETL-COVR	Covers and fittings	0	M/6
C-DETL-ERTH	Earth	0	G/3
C-DETL-FAST	Fasteners	0	R/1
C-DETL-FENC	Fencing	0	M/6
C-DETL-FILL	Fill	0	B/5
C-DETL-GENF	General features (miscellaneous items)	0	V
C-DETL-GRPH	Graphics, gridlines, non-text items	V	V
C-DETL-INPD	Inch-pound-specific dimensions and notes	0	R/1

C-DETL-METR	Metric-specific dimensions and notes	0	G/3
C-DETL-PAVE	Pavements	0	Y/2
C-DETL-PIPE	Piping	0	M/6
C-DETL-SPCF	Special features	0	Y/2
C-DETL-STRC	Structural metal	0	M/6
C-DETL-TANK	Tanks	0	Y/2
C-DETL-VLVE	Valves and fittings	0	Y/2

DOMW - Domestic Water

AIA Name	Description	Line Style	Color
C-DOMW-ABND	Abandoned piping	2	M/6
C-DOMW-DEVC	Connectors, faucets, reducers, regulators, vents, intake points, tanks, taps, backflow preventers, and valves	0	M/6
C-DOMW-FIRE	Fire lines	FIRE	R/1
C-DOMW-FTTG	Caps, cleanouts, crosses, and tees	0	M/6
C-DOMW-HYDR	Hydrants	0	R/1
C-DOMW-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
C-DOMW-MAIN	Main domestic water piping	WATERL	M/6
C-DOMW-METR	Meters	0	G/3
C-DOMW-NHYD	Non-potable hydrants/flushing hydrants	0	R/1
C-DOMW-NPOT	Non-potable water piping	NONPOT	M/6
C-DOMW-PITS-IDEN	Identifier tags, symbol modifier, and text	0	R/1
C-DOMW-PUMP	Booster pump stations	0	M/6
C-DOMW-REDC	Pressure reducing stations	0	M/6
C-DOMW-RSVR	Reservoirs	0	R/1
C-DOMW-RSVR-IDEN	Identifier tags, symbol modifier, and text	0	R/1
C-DOMW-SERV	Domestic water service piping	0	M/6
C-DOMW-SIGN	Surface markers/signs	0	R/1
C-DOMW-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
C-DOMW-TANK	Water storage tanks	0	R/1
C-DOMW-VENT	Vent pits	0	G/3
C-DOMW-VLVE	Valve pits/vaults	0	G/3

C-DOMW-WELL	Water well houses	0	R/1
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DRED - Dredging

AIA Name	Description	Line Style	Color
C-DRED-LIMT	Dredge limit lines	0	C/4
C-DRED-OHWM	Ordinary high water marks	0	Y/2

ELEV - Elevations

AIA Name	Description	Line Style	Color
C-ELEV-FIXT	Miscellaneous fixtures	0	Y/2
C-ELEV-IDEN	Component identification numbers	0	Y/2
C-ELEV-OTLN	Building outlines	0	M/6
C-ELEV-PATT	Textures and hatch patterns	0	V
C-ELEV-SIGN	Signage	0	R/1

FUEL - Liquid Fuel

AIA Name	Description	Line Style	Color
C-FUEL-ABND	Abandoned piping	2	M/6
C-FUEL-DEFL	Defueling piping	0	M/6
C-FUEL-DEVC	Air eliminators, filter strainers, hydrant fill points, line vents, markers, oil/water separators, reducers, regulators, and valves	0	M/6
C-FUEL-FLOW	Flow direction arrows	0	M/6
C-FUEL-FTTG	Caps, crosses, and tees	0	M/6
C-FUEL-HYDR	Hydrant control pits	0	G/3
C-FUEL-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
C-FUEL-JBOX	Junction boxes, manholes, handholes, test boxes	0	R/1
C-FUEL-MAIN	Main fuel piping	LIQPET	M/6
C-FUEL-METR	Meters	0	G/3

C-FUEL-PITS-IDEN	Identifier tags, symbol modifier, and text	0	R/1
C-FUEL-PUMP	Booster pump stations	0	M/6
C-FUEL-SERV	Service piping	0	M/6
C-FUEL-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
C-FUEL-TANK	Fuel tanks	0	G/3
C-FUEL-TRCH	Fuel line trench	0	G/3
C-FUEL-VENT	Vent pits	0	G/3
C-FUEL-VLVE	Valve pits	0	G/3

GRAD - Grade Linework

AIA Name	Description	Line Style	Color
C-GRAD-EXST	Existing grade, ground line	3	M/6
C-GRAD-FNSH	Finished grade	0	C/4

GRID - Grid Lines

AIA Name	Description	Line Style	Color
C-GRID-FRAM	Frame	0	C/4
C-GRID-MAJR	Major grid lines	0	R/1
C-GRID-MINR	Minor grid lines	1	Gr/8
C-GRID-TEXT	Border text, annotation	0	Y/2

HELI - Heliports

AIA Name	Description	Line Style	Color
C-HELI-BLST	Blast pad and stopway markings	0	R/1
C-HELI-CNTR	Centerline	0	R/1
C-HELI-CNTR-MARK	Centerline markings	0	R/1
C-HELI-DISP	Displaced threshold markings	0	R/1
C-HELI-DIST	Fixed distance markings	0	R/1
C-HELI-FATO	Helipad FATO	0	R/1
C-HELI-IDEN	Heliport numbers and letters	0	Y/2
C-HELI-SHLD	Shoulder markings	0	M/6
C-HELI-SIDE	Side stripes	0	C/4
C-HELI-TDZM	Touchdown zone markers	0	M/6
C-HELI-THRS	Threshold markers	0	M/6
C-HELI-TLOF	Helipad take off and landing area	0	R/1

INDW - Industrial Waste Water

AIA Name	Description	Line Style	Color
C-INDW-ABND	Abandoned piping	2	M/6
C-INDW-DEVC	Grit chambers, meters, flumes, neutralizers, oil/water separators, ejectors, tanks, and valves	0	M/6
C-INDW-FLOW	Flow direction arrows	0	M/6
C-INDW-FTTG	Caps and cleanouts	0	M/6
C-INDW-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
C-INDW-JBOX	Junction boxes and manholes	0	R/1
C-INDW-LAGN	Lagoons	0	M/6
C-INDW-LIFT	Lift stations	0	M/6
C-INDW-MAIN	Main industrial waste water piping	IWASTE	M/6
C-INDW-PLNT	Treatment plants	0	M/6
C-INDW-RSVR-IDEN	Identifier tags, symbol modifier, and text	0	M/6
C-INDW-SERV	Industrial waste water service piping	0	R/1
C-INDW-SIGN	Surface markers/signs	0	R/1

C-INDW-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
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JOIN - Joints

AIA Name	Description	Line Style	Color
C-JOIN-CNSL	Construction joints - longitudinal	0	M/6
C-JOIN-CNST	Construction joints - transverse	0	M/6
C-JOIN-CNTL	Contraction joints - longitudinal	0	Y/2
C-JOIN-CNTT	Contraction joints - transverse	0	Y/2
C-JOIN-EDGE	Thickened edges	0	C/4
C-JOIN-EXPN	Expansion joints	0	12

NGAS - Natural Gas

AIA Name	Description	Line Style	Color
C-NGAS-ABND	Abandoned piping	2	M/6
C-NGAS-DEVC	Hydrant fill points, lights, vents, markers, rectifiers, reducers, regulators, sources, tanks, drip pots, taps, and valves	0	M/6
C-NGAS-DEVC-IDEN	Identifier tags, symbol modifier, and text	0	M/6
C-NGAS-FLOW	Flow direction arrows	0	M/6
C-NGAS-FTTG	Caps, crosses, and tees	0	M/6
C-NGAS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
C-NGAS-MAIN	Main natural gas piping	NTGASN	M/6
C-NGAS-METR	Meters	0	G/3
C-NGAS-PITS-IDEN	Identifier tags, symbol modifier, and text	0	R/1
C-NGAS-PUMP	Compressor stations	0	M/6
C-NGAS-REDC	Reducing stations	0	M/6
C-NGAS-SERV	Service piping	0	R/1
C-NGAS-SIGN	Surface markers/signs	0	R/1
C-NGAS-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
C-NGAS-VENT	Vent pits	0	G/3
C-NGAS-VLVE	Valve pits/boxes	0	G/3

OVRN - Overrun Areas

AIA Name	Description	Line Style	Color
C-OVRN-CNTR	Centerlines	7	R/1
C-OVRN-CNTR-IDEN	Centerline annotation	0	Y/2
C-OVRN-IDEN	Airfield overrun area - annotation	0	Y/2
C-OVRN-JOIN	Airfield overrun joints	0	Y/2
C-OVRN-OTLN	Airfield overrun area - outlines	0	C/4
C-OVRN-SHLD	Shoulder markings	0	C/4

PADS - Pads (Arm/Disarm, Calibrations, etc.)

AIA Name	Description	Line Style	Color
C-PADS-CNTR	Centerlines	7	R/1
C-PADS-CNTR-IDEN	Centerline annotation	0	Y/2
C-PADS-IDEN	Pads - annotation	0	Y/2
C-PADS-OTLN	Pad - outlines	0	C/4
C-PADS-SHLD	Shoulders with annotation	0	Y/2

PKNG - Parking Lots and Minor Roads

AIA Name	Description	Line Style	Color
C-PKNG-CARS	Graphic illustration of cars	0	Y/2
C-PKNG-CNTR	Centerlines	7	R/1
C-PKNG-CNTR-IDEN	Centerline annotation	0	M/6
C-PKNG-CURB	Curbs and gutters	0	G/3
C-PKNG-DRAIN	Parking lot drainage slope indications	0	R/1
C-PKNG-EQPM	Parking Equipment (I.e. booths, gates, etc.)	0	C/4
C-PKNG-FIXT	Parking lot fixtures (e.g., wheel stops, parking meters)	0	91
C-PKNG-IDEN	Parking lot, minor road, and curb annotation	0	M/6

C-PKNG-ISLD	Parking islands	0	C/4
C-PKNG-OTLN	Parking lots	0	C/4
C-PKNG-STRP	Parking lot striping, handicapped symbols, pavement markings	0	Y/2

PROF - Profiles

AIA Name	Description	Line Style	Color
C-PROF-CUID	Existing grade and grading cuts - annotation	0	R/1
C-PROF-FILL	New work, grading fills	0	G/3
C-PROF-INLT	Curb and surface inlets, catch basins	0	G/3
C-PROF-MHOL	Manholes	0	R/1
C-PROF-PIPE	Piping	0	M/6
C-PROF-ROAD	Roads	0	Y/2

PROP - Property

AIA Name	Description	Line Style	Color
C-PROP-CONS	Construction limits/controls, staging area	11	W/7
C-PROP-ESMT	Easements	3	84
C-PROP-IDEN	Property annotation	0	M/6
C-PROP-LEAS	Lease line (exterior / ground lease)	0	M/6
C-PROP-RWAY	Right of ways	RTOFWY	W/7

PVMT - Pavement

AIA Name	Description	Line Style	Color
C-PVMT-ASPH	Pavement pattern - asphalt	0	Gr/8
C-PVMT-CONC	Pavement pattern - concrete	0	Gr/8
C-PVMT-GROV	Pavement Grooving	0	Gr/8
C-PVMT-GRVL	Pavement pattern - gravel	0	Gr/8
C-PVMT-IDEN	Road, parking lot, railroad, airfield pavement annotation	0	Y/2
C-PVMT-MRKG	Pavement markings	0	Y/2
C-PVMT-MRKG-WHIT	Roadway markings (white)	0	Y/2
C-PVMT-MRKG-YELO	Roadway markings (yellow)	0	Y/2
C-PVMT-PATT	Joint patterns, text and dimensions	0	V
C-PVMT-ROAD	Roads, parking lots, railroads, airfield pavements	0, RAILRD	Y/2
C-PVMT-SIGN	Other signs	0	Y/2

RAIL - Railroads

AIA Name	Description	Line Style	Color
C-RAIL-CNTR	Centerlines	7	R/1
C-RAIL-CNTR-IDEN	Centerline annotation	0	M/6
C-RAIL-EQPM	Railroad equipment (e.g., gates, signals)	0	91
C-RAIL-IDEN	Railroad - annotation	0	M/6
C-RAIL-TRAK	Railroads	0	Y/2
C-RAIL-YARD	Railroad Yard	0	Y/2

ROAD - Major Roads

AIA Name	Description	Line Style	Color
C-ROAD-CNTR	Centerlines	7	R/1
C-ROAD-CNTR-IDEN	Centerline annotation	0	M/6
C-ROAD-CURB	Curbs	0	M/6

C-ROAD-FCRB	Face of curb	0	R/1
C-ROAD-GRAL	Guardrails	0	M/6
C-ROAD-IDEN	Road, curb, and guardrail annotation	0	M/6
C-ROAD-LGTR	Lip of gutter	0	R/1
C-ROAD-OTLN	Roads	0	C/4

RUNW - Runway

AIA Name	Description	Line Style	Color
C-RUNW-ARST	Runway Arresting Gear Location	0	R/1
C-RUNW-BLST	Blast pad markings	0	R/1
C-RUNW-CNTR	Centerline	0	R/1
C-RUNW-CNTR-MARK	Centerline markings	0	R/1
C-RUNW-DISP	Displaced threshold markings	0	R/1
C-RUNW-DIST	Fixed distance markings	0	R/1
C-RUNW-EDGE	Airfield runway edges	0	M/6
C-RUNW-IDEN	Runway numbers and letters	0	Y/2
C-RUNW-INTS	Runway intersection	0	M/6
C-RUNW-LAHS	Runway land and hold short area	0	M/6
C-RUNW-SAFT	Runway Safety Area	0	M/6
C-RUNW-SHLD	Shoulder markings	0	M/6
C-RUNW-SIDE	Side stripes	0	C/4
C-RUNW-STWY	Runway stopway markings	0	R/1
C-RUNW-TDZM	Touchdown zone markers	0	M/6
C-RUNW-THRS	Threshold markers	0	M/6

SECT - Sections

AIA Name	Description	Line Style	Color
C-SECT-IDEN	Component identification numbers	0	Y/2
C-SECT-MBND	Material beyond section cut	0	B/5
C-SECT-MCUT	Material cut by section	0	C/4
C-SECT-PATT	Textures and hatch patterns	0	V

SITE - Site Improvement

AIA Name	Description	Line Style	Color
C-SITE-EROS	Riprap, revetments/stone protection, breakwaters, dikes, jetties, and drains	0	R/1
C-SITE-EROS-IDEN	Riprap, revetment/stone protection, breakwater, dike, jetty, and drain annotation	0	12
C-SITE-FENC	Fences and handrails	0	M/6
C-SITE-FENC-IDEN	Fence, handrail, ramp, sign, and trail annotation	0	M/6
C-SITE-IDEN	Site improvement annotation	0	M/6
C-SITE-IMPR	Site improvements (channel or levee features)	0	C/4
C-SITE-STRC	Structures (bridges, sheds, foundation pads, footings, etc.)	0	22
C-SITE-STRS	Stairs and ramps	0	M/6
C-SITE-WALK	Walks, trails and bicycle paths	V	Y/2

SSWR - Sanitary Sewer

AIA Name	Description	Line Style	Color
C-SSWR-ABND	Abandoned piping	2	M/6
C-SSWR-DEVC	Grease traps, grit chambers, flumes, neutralizers, oil/water separators, ejectors, and valves	0	M/6
C-SSWR-DEVC-IDEN	Identifier tags, symbol modifier, and text	0	M/6
C-SSWR-FILT	Filtration beds	0	G/3
C-SSWR-FILT-IDEN	Identifier tags, symbol modifier, and text	0	G/3
C-SSWR-FLOW	Flow direction arrows	0	M/6

C-SSWR-FTTG	Caps and cleanouts	0	M/6
C-SSWR-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
C-SSWR-JBOX	Junction boxes and manholes	0	R/1
C-SSWR-JBOX-IDEN	Identifier tags, symbol modifier, and text	0	R/1
C-SSWR-LAGN	Lagoons	0	G/3
C-SSWR-LEAC	Leach field	0	G/3
C-SSWR-MAIN	Sanitary sewer piping	SSWAF	M/6
C-SSWR-NITF	Nitrification drain fields	0	G/3
C-SSWR-PLNT	Treatment plants	0	M/6
C-SSWR-PUMP	Booster pump stations	0	M/6
C-SSWR-RSVR-IDEN	Identifier tags, symbol modifier, and text	0	G/3
C-SSWR-SERV	Sanitary sewer service piping	0	R/1
C-SSWR-SIGN	Surface markers/signs	0	R/1
C-SSWR-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
C-SSWR-TANK	Septic tanks	0	G/3

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
C-STAT-DEMO	Demolition	2	M/6
C-STAT-DEMO-PHS1	Demolition - phase 1	0	203
C-STAT-DEMO-PHS2	Demolition - phase 2	0	83
C-STAT-DEMO-PHS3	Demolition - phase 3	0	163
C-STAT-EXST	Existing to remain	0	G/3
C-STAT-FUTR	Future work	7	Y/2
C-STAT-MOVE	Items to be moved	6	M/6
C-STAT-NEWW	New work	0	C/4
C-STAT-NICN	Not in contract	3	Gr/8
C-STAT-PHS#	Phase numbers (#=1-9)	0	Y/2
C-STAT-RELO	Relocated items	2	B/5
C-STAT-TEMP	Temporary work	4	C/4

STRC - Structures

AIA Name	Description	Line Style	Color
C-STRC-IDEN	Bridges, piers, breakwaters, docks, floats, etc. - annotation	0	Y/2
C-STRC-OTLN	Bridges, piers, breakwaters, docks, floats, etc. - outlines	0	C/4
C-STRC-TOWR	Tower	0	C/4

STRM - Storm Drainage

AIA Name	Description	Line Style	Color
C-STRM-ABND	Abandoned piping	2	M/6
C-STRM-AFFF	AFFF lagoon/detention pond	0	G/3
C-STRM-CHUT	Chutes and concrete erosion control structures	0	R/1
C-STRM-CULV	Culverts	CULVRT	G/3
C-STRM-DEVC	Downspouts, flumes, oil/water separators, and flap gates	0	M/6
C-STRM-DRAN-IDEN	Identifier tags, symbol modifier, and text	0	G/3
C-STRM-EROS	Erosion control (riprap)	0	B/5
C-STRM-FLOW	Flow direction arrows	0	M/6
C-STRM-FMON	Flow monitoring station	0	M/6
C-STRM-FTTG	Caps and cleanouts	0	M/6
C-STRM-HDWL	Headwalls and endwalls	0	W/7
C-STRM-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
C-STRM-INLT	Inlets (curb, surface, and catch basins)	0	G/3
C-STRM-LAGN	Lagoons, ponds, watersheds, and basins	0	G/3
C-STRM-MAIN	Storm sewer piping	STRAF	M/6
C-STRM-MHOL	Manholes	0	R/1
C-STRM-PUMP	Pump stations	0	M/6
C-STRM-ROOF	Roof drain line	0	G/3
C-STRM-RSVR-IDEN	Identifier tags, symbol modifier, and text	0	G/3
C-STRM-SERV	Storm sewer service piping	0	R/1
C-STRM-SIGN	Surface markers/signs	0	R/1
C-STRM-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2

C-STRM-STRC	Storm drainage, headwalls, inlets, manholes, culverts, and drainage structures	0, STRAF	C/4
C-STRM-SUBS	Subsurface drain piping	0	G/3

SURV - Survey Lines

AIA Name	Description	Line Style	Color
C-SURV-DATA	Survey data (benchmarks and horizontal control points or monuments)	0	M/6
C-SURV-IDEN	Survey, baseline, and control line annotation	0	M/6
C-SURV-LINE	Survey, baseline, and control lines	2	C/4

TAXI - Taxiways

AIA Name	Description	Line Style	Color
C-TAXI-CNTR	Taxiway centerline	0	R/1
C-TAXI-CNTR-IDEN	Centerline annotation	0	Y/2
C-TAXI-CNTR-MARK	Centerline markings	0	R/1
C-TAXI-EDGE	Edge markings	0	C/4
C-TAXI-HOLD	Holding lines	0	Y/2
C-TAXI-IDEN	Annotation	0	Y/2
C-TAXI-JOIN	Taxiway joints	0	Y/2
C-TAXI-OTLN	Taxiway - outlines	0	C/4
C-TAXI-SHLD	Shoulder transverse stripes	0	Y/2

TOPO - Topography

AIA Name	Description	Line Style	Color
C-TOPO-AUCO	Noise Complaint	0	M/6
C-TOPO-AUST	Noise Monitoring Station	0	M/6
C-TOPO-AUZN	Noise Contour/Zone	0	M/6
C-TOPO-BKLN	Breaklines	4	W/7
C-TOPO-BORE	Boring locations	0	M/6
C-TOPO-COOR	Coordinate grid ticks and text	0	122
C-TOPO-DTMP	DTM points	0	M/6
C-TOPO-DTMT	DTM triangles	0	22
C-TOPO-FLZN	Flood Zone	0	M/6
C-TOPO-MAJR	Major contours	0	Y/2
C-TOPO-MAJR-IDEN	Major contours - annotation	0	Y/2
C-TOPO-MINR	Minor contours	0	G/3
C-TOPO-MINR-IDEN	Minor contours - annotation	0	G/3
C-TOPO-RTWL	Retaining wall	0	W/7
C-TOPO-SHOR	Shorelines, land features, and references	0	C/4
C-TOPO-SLOP	Cut/fill slopes	0	Y/2
C-TOPO-SLOP-FILL	Cut/fill slopes	0	Y/2
C-TOPO-SLOP-IDEN	Cut/fill slope, top/toe slope annotation	0	Y/2
C-TOPO-SLOP-TOPT	Top/toe slopes	0	M/6
C-TOPO-SLTP	Top/toe slopes	0	M/6
C-TOPO-SOUN	Soundings	0	150
C-TOPO-SPOT	Spot elevations	0	Y/2

TRAF - Traffic

AIA Name	Description	Line Style	Color
C-TRAF-IDEN	Airfield traffic area annotation	0	Y/2
C-TRAF-TYPA	Type A traffic area	4	C/4
C-TRAF-TYPB	Type B traffic area	6	C/4
C-TRAF-TYPC	Type C traffic area	10	C/4

Discipline: E – Electrical

AIRF - Airfield
ALRM - Fire Alarm / Detection Equipment
ANNO - General Information
BCNS - Beacons
BELL - Bell System
CABL - Cable System
CATH - Cathodic Protection System
CATV - Cable TV System
CCTV - Cable TV System
CIRC - Circuits
CLOK - Clock System
COMM - Communications
DETL - Detail Information
DIAG - Diagram Information
DICT - Central Dictation System
DISC - Other Discipline Information
DUCT - Underground Duct Bank (to be used when multiple systems are in one ductbank system)
ELEC - Electrical Support Equipment
EMCS - Energy Monitoring Control Systems
EMER - Emergency Equipment
FLOR - Floor Information
GRND - Ground System
INTC - Intercom/Public Address System
LITE - Lights
LTNG - Lightning Protection System
NURS - Nurse Call / Paging System
POLE - Utility Poles
POWR - Power
PRIM - Primary Electrical Cables
SCND - Secondary Electrical Cables
SECD - Secondary Electrical Cables
SERT - Security Systems
SOUN - Sound Systems
SPCL - Special Systems
SPEC - Special Systems
STAT - Demolition (used only in creating Existing Demolition model files)
TRAN - Transformers
TVAN - TV Antenna System

Discipline: E - Electrical**AIRF - Airfield**

AIA Name	Description	Line Style	Color
E-AIRF-DEVC	Capacitors, voltage regulators, motors, buses, generators, meters, grounds, and markers	0	23
E-AIRF-DUCT	Ductbanks	EUDUCN	83
E-AIRF-JBOX	Junction boxes, pull boxes, manholes, handholes, pedestals, splices	0	23
E-AIRF-VALT	Airfield lighting vaults	0	G/3

ALRM - Fire Alarm / Detection Equipment

AIA Name	Description	Line Style	Color
E-ALRM-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-ALRM-SYMB	Miscellaneous alarm system symbols	0	203

ANNO - General Information

AIA Name	Description	Line Style	Color
E-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
E-ANNO-KEYN	Reference keynotes with associated leaders	0	V
E-ANNO-LEGN	Legend & Schedule	0	V
E-ANNO-NOTE	General notes and general remarks	0	Y/2
E-ANNO-NPLT	Non-plotting graphic information	V	B/5
E-ANNO-PATT	Miscellaneous patterning and hatching	0	V
E-ANNO-REDL	Redlines	0	R/1
E-ANNO-REFR	Reference files	NA	NA
E-ANNO-REVS	Revisions	0	C/4
E-ANNO-SYMB	Miscellaneous symbols	V	M/6
E-ANNO-TEXT	Miscellaneous text and callouts with associated leaders	0	V

BCNS - Beacons

AIA Name	Description	Line Style	Color
E-BCNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-BCNS-MISC	Miscellaneous navaids - windcones and beacons	0	203
E-BCNS-STRB	Strobe beacons	0	203

BELL - Bell System

AIA Name	Description	Line Style	Color
E-BELL-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-BELL-SYMB	Bell system symbols	0	203

CABL - Cable System

AIA Name	Description	Line Style	Color
E-CABL-COAX	Coax cable	2	83
E-CABL-FIBR	Fiber optics cable	FIBOPT	83
E-CABL-IDEN	Cable identifiers	0	Y/2
E-CABL-MULT	Multi-conductor cable	V	83
E-CABL-TRAY	Cable trays and wireways	0	203

CATH - Cathodic Protection System

AIA Name	Description	Line Style	Color
E-CATH-ANOD	Sacrificial anode system	0	83
E-CATH-CURR	Impress current system	0	83
E-CATH-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-CATH-TEST	Test stations	0	83

CATV - Cable TV System

AIA Name	Description	Line Style	Color
E-CATV-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-CATV-SYMB	Cable television system symbols	0, CABLTV	203

CCTV - Cable TV System

AIA Name	Description	Line Style	Color
E-CCTV-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-CCTV-SYMB	Closed-circuit television system symbols	0	203

CIRC - Circuits

AIA Name	Description	Line Style	Color
E-CIRC-CTRL	Control and monitoring circuits	0	163
E-CIRC-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-CIRC-MULT	Multiple circuits	0	23
E-CIRC-SERS	Series circuits	0	203

CLOK - Clock System

AIA Name	Description	Line Style	Color
E-CLOK-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-CLOK-SYMB	Clock system symbols	0	203

COMM - Communications

AIA Name	Description	Line Style	Color
E-COMM-EQPM	Other communications distribution equipment	0	23
E-COMM-JBOX	Communication junction boxes, pull boxes, manholes, handholes, pedestals, splices	0	23

E-COMM-OVHD	Overhead communications/telephone lines	COMARN	C/4
E-COMM-OVHD-IDEN	Identifier tags, symbol modifier and text	0	Y/2
E-COMM-UNDR	Underground communications/telephone lines	COMUGN	C/4
E-COMM-UNDR-IDEN	Identifier tags, symbol modifier and text	0	Y/2
E-COMM-VALT	Communications vault	0	21

DETL - Detail Information

AIA Name	Description	Line Style	Color
E-DETL-GRPH	Graphics, gridlines, non-text items	V	V
E-DETL-INPD	Inch-pound-specific dimensions and notes	0	Y/2
E-DETL-METR	Metric-specific dimensions and notes	0	Y/2

DIAG - Diagram Information

AIA Name	Description	Line Style	Color
E-DIAG-GRPH	Graphics, gridlines, non-text items	V	V
E-DIAG-IDEN	Identifier tags, symbol modifier and text	0	Y/2
E-DIAG-INPD	Inch-pound-specific dimensions and notes	0	Y/2
E-DIAG-METR	Metric-specific dimensions and notes	0	Y/2

DICT - Central Dictation System

AIA Name	Description	Line Style	Color
E-DICT-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-DICT-SYMB	Central dictation system symbols	0	203

DISC - Other Discipline Information

AIA Name	Description	Line Style	Color
E-DISC-INFO	Clearances and working space information (NEC code, etc.)	0	G/3

DUCT - Underground Duct Bank (to be used when multiple systems are in one ductbank system)

AIA Name	Description	Line Style	Color
E-DUCT-MULT	Ductbank	EUDUCN	83
E-DUCT-MULT-IDEN	Identifier tags, symbol modifier and text	0	Y/2

ELEC - Electrical Support Equipment

AIA Name	Description	Line Style	Color
E-ELEC-DEVC	Capacitors, voltage regulators, motors, buses, generators, meters, grounds, and markers	0	23
E-ELEC-JBOX	Junction boxes, pull boxes, manholes, handholes, pedestals, splices	0	23
E-ELEC-SUBS	Other substation equipment	0	23
E-ELEC-SWCH	Fuse cutouts, pole mounted switches, circuit breakers, gang operated disconnects, reclosers, cubicle switches	0	23
E-ELEC-VALT	Vaults	0	21

EMCS - Energy Monitoring Control Systems

AIA Name	Description	Line Style	Color
E-EMCS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-EMCS-SYMB	Energy monitoring control system symbols	0	203

EMER - Emergency Equipment

AIA Name	Description	Line Style	Color
E-EMER-EMER	Emergency systems equipment	0	C/4

FLOR - Floor Information

AIA Name	Description	Line Style	Color
E-FLOR-IDEN	Room name, space identification text (copied from Architectural - Floor Plan model file)	0	G/3
E-FLOR-NUMB	Room/space identification number and symbol (copied from Architectural - Floor Plan model file)	0	G/3

GRND - Ground System

AIA Name	Description	Line Style	Color
E-GRND-CIRC	Circuits	0	C/4
E-GRND-DIAG	Ground system diagram	0	163
E-GRND-EQUI	Equipotential ground system	0	83
E-GRND-REFR	Reference ground system	0	23

INTC - Intercom/Public Address System

AIA Name	Description	Line Style	Color
E-INTC-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-INTC-SYMB	Intercom/PA system symbols	0	203

LITE - Lights

AIA Name	Description	Line Style	Color
E-LITE-APPR	Approach lights	0	203
E-LITE-APRN	Apron Lighting	0	M/6
E-LITE-CIRC	Lighting circuits (including crosslines and homeruns)	0	83
E-LITE-CIRC-NUMB	Lighting circuit numbers (e.g., panel/circuit number, wire/conduit size)	0	Y/2
E-LITE-CLNG	Ceiling mounted (surface/pendant) fixtures	0	203
E-LITE-CONS	Constant Current Regulators	0	V
E-LITE-DIST	Distance and arresting gear markers and lights	0	203
E-LITE-EMER	Emergency fixtures (outline of light (if ceiling mounted) should go on E-LITE-CLNG)	0	23
E-LITE-EXIT	Exit fixtures (outline of light (if ceiling mounted) should go on E-LITE-CLNG)	0	203
E-LITE-EXTR	Exterior lights	0	203
E-LITE-EXTR-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-LITE-FLOR	Floor mounted fixtures (e.g., stage)	0	203
E-LITE-IDEN	Light fixture identifier tags	0	Y/2
E-LITE-JBOX	Junction boxes	0	83
E-LITE-LANE	Hoverlane, taxilane, and helipad lights	0	203
E-LITE-OBST	Obstruction lights	0	203
E-LITE-PANL	Main distribution panels, switchboards, lighting panels	0	C/4
E-LITE-RNWX-GARD	Runway guard lights	0	V
E-LITE-ROOF	Roof lighting	0	203
E-LITE-RUNW-CNTR	Runway Centerline lights	0	203
E-LITE-RUNW-DTGS1	Runway Distance to go lights	0	M/6

E-LITE-RUNW-EDGE	Runway edge lights	0	203
E-LITE-RUNW-TDZN	Runway Touchdown Zone lights	0	203
E-LITE-SIGN	Taxiway guidance signs	0	203
E-LITE-SPCL	Special fixtures	0	203
E-LITE-SWCH	Lighting contactors, photoelectric controls, low-voltage lighting controls, etc.	0	163
E-LITE-TAXI-CNTL	Taxiway centerline lights	0	203
E-LITE-TAXI-EDGE	Taxiway edge lights	0	V
E-LITE-THRS	Threshold lights	0	203
E-LITE-WALL	Wall mounted fixtures	0	203

LTNG - Lightning Protection System

AIA Name	Description	Line Style	Color
E-LTNG-COND	Lightning protection conductors	0	203
E-LTNG-TERM	Lightning protection terminals	0	203

NURS - Nurse Call / Paging System

AIA Name	Description	Line Style	Color
E-NURS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-NURS-SYMB	Nurse call/paging system symbols	0	203

POLE - Utility Poles

AIA Name	Description	Line Style	Color
E-POLE-GUYS	Guying equipment	0	203
E-POLE-GUYS-IDEN	Guying equipment identifier tags, symbol modifiers, and text	0	Y/2
E-POLE-IDEN	Utility pole identifier tags, symbol modifier, and text	0	Y/2
E-POLE-UTIL	Utility poles	0	203

POWR - Power

AIA Name	Description	Line Style	Color
E-POWR-BUSW	Busways and wireways	0, BUSWAY, WIREWY	203
E-POWR-CABL	Cable trays	0	203
E-POWR-CIRC	Power circuits (including crosslines and homeruns)	V	83
E-POWR-CIRC-NUMB	Power circuit numbers (e.g., panel/circuit number, wire/conduit size)	0	Y/2
E-POWR-CLNG	Ceiling outlets (receptacles and switches)	0	83
E-POWR-FEED	Feeders	0	203
E-POWR-GENR	Generators and auxiliary equipment	0	C/4
E-POWR-JBOX	Junction boxes	0	83
E-POWR-MOTR	Motors and utilization equipment	0	C/4
E-POWR-PANL	Panelboards, switchboards, MCC, unit substations	0	C/4
E-POWR-SWCH	Disconnect switches, motor starters, contactors, etc.	0	163
E-POWR-URAC	Underfloor raceways	3	203
E-POWR-WALL	Wall/floor outlets (receptacles and switches)	0	83

PRIM - Primary Electrical Cables

AIA Name	Description	Line Style	Color
E-PRIM-OVHD	Overhead electrical utility lines	EPARN	C/4
E-PRIM-OVHD-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-PRIM-UNDR	Underground electrical utility lines	EPUGN	C/4
E-PRIM-UNDR-IDEN	Identifier tags, symbol modifier, and text	0	Y/2

SECD - Secondary Electrical Cables

AIA Name	Description	Line Style	Color
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E-SECD-OVHD	Overhead electrical utility lines	ESARN	163
E-SECD-OVHD-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-SECD-UNDR	Underground electrical utility lines	ESUGN	163
E-SECD-UNDR-IDEN	Identifier tags, symbol modifier, and text	0	Y/2

SERT - Security Systems

AIA Name	Description	Line Style	Color
E-SERT-ACCS	Access control system symbols	0	23
E-SERT-BURD	Buried sensors	0	23
E-SERT-CLNG	Ceiling mounted sensors	0	23
E-SERT-FLOR	Floor mounted sensors	0	23
E-SERT-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-SERT-UNDR	Buried sensors	0	23
E-SERT-WALL	Wall mounted sensors	0	23

SOUN - Sound Systems

AIA Name	Description	Line Style	Color
E-SOUN-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-SOUN-SYMB	Sound system symbols	0	203

SPCL - Special Systems

AIA Name	Description	Line Style	Color
E-SPCL-IDEN	Special systems (UMCS, EMCS, CATV, etc.) identifier tags, symbol modifier, and text	0	Y/2
E-SPCL-JBOX	Junction boxes	0	83
E-SPCL-PANL	Panelboards, backing boards, patch panel racks	0	C/4
E-SPCL-SRFS	Surface Sensor System	0	V
E-SPCL-SYST	Special systems (UMCS, EMCS, CATV, etc.)	0	203
E-SPCL-TRAF	Traffic signal system	0	203

E-SPCL-TRAF-IDEN	Traffic signal identifier tags, symbol modifier, and text	0	Y/2
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STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
E-STAT-DEMO-PHS1	Demolition - phase 1	0	203
E-STAT-DEMO-PHS2	Demolition - phase 2	0	83
E-STAT-DEMO-PHS3	Demolition - phase 3	0	163

TRAN - Transformers

AIA Name	Description	Line Style	Color
E-TRAN-PADM	Pad mounted transformers	0	23
E-TRAN-PADM-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-TRAN-POLE	Pole mounted transformers	0	23
E-TRAN-POLE-IDEN	Identifier tags, symbol modifier, and text	0	Y/2

TVAN - TV Antenna System

AIA Name	Description	Line Style	Color
E-TVAN-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
E-TVAN-SYMB	TV antenna system symbols	0	203

Discipline: F - Fire Protection

AFFF - Aqueous Film Forming Foam System
 ALRM - Fire Alarm / Detection Equipment
 ANNO - General Information
 CO2S - CO2 Sprinkler System
 CTRL - Control Panels
 DETL - Detail Information
 FLOR - Floor Information
 HALN - Halon System
 IGAS - Inert Gas
 LITE - Lights
 LSFT - Egress Requirements
 PROT - Fire Protection / Suppression Equipment
 RATE - Fire Ratings
 SMOK - Smoke/Pressurization Control
 SPRN - Sprinkler System
 STAT - Demolition (used only in creating Existing Demolition model files)
 WATR - Water Supply and Distribution

Discipline: F - Fire Protection

AFFF - Aqueous Film Forming Foam System

AIA Name	Description	Line Style	Color
F-AFFF-EQPM	Equipment	0	82
F-AFFF-PIPE	Piping	0	82

ALRM - Fire Alarm / Detection Equipment

AIA Name	Description	Line Style	Color
F-ALRM-DTCT	Smoke/heat/other detectors	0	23
F-ALRM-INDC	Indicating appliances	0	83
F-ALRM-MANL	Manual fire alarm pull stations	0	23
F-ALRM-PHON	Fire service or emergency telephone stations	0	R/1

ANNO - General Information

AIA Name	Description	Line Style	Color
F-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
F-ANNO-KEYN	Reference keynotes with associated leaders	0	V
F-ANNO-LEGN	Legend & Schedule	0	V
F-ANNO-NOTE	General notes and general remarks	0	Y/2
F-ANNO-NPLT	Non-plotting graphic information	V	B/5
F-ANNO-PATT	Miscellaneous patterning and hatching	0	V
F-ANNO-REDL	Redlines	0	R/1
F-ANNO-REFR	Reference files	NA	NA
F-ANNO-REVS	Revisions	0	C/4
F-ANNO-SYMB	Miscellaneous symbols	V	M/6
F-ANNO-TEXT	Miscellaneous text and callouts with associated leaders	0	V

CO2S - CO2 Sprinkler System

AIA Name	Description	Line Style	Color
F-CO2S-EQPM	Equipment	0	M/6
F-CO2S-PIPE	CO2 piping or CO2 discharge nozzle piping	0	M/6

CTRL - Control Panels

AIA Name	Description	Line Style	Color
F-CTRL-PANL	Control panels	0	23

DETL - Detail Information

AIA Name	Description	Line Style	Line Weight	Color
F-DETL-GRPH	Graphics, gridlines, non-text items	V	V	V
F-DETL-INPD	Inch-pound-specific dimensions and notes	0	0.35	Y/2
F-DETL-METR	Metric-specific dimensions and notes	0	0.35	Y/2

FLOR - Floor Information

AIA Name	Description	Line Style	Color
F-FLOR-IDEN	Room name, space identification text (copied from Architectural - Floor Plan model file)	0	G/3
F-FLOR-NUMB	Room/space identification number and symbol (copied from Architectural - Floor Plan model file)	0	G/3

HALN - Halon System

AIA Name	Description	Line Style	Color
F-HALN-EQPM	Halon equipment	0	22
F-HALN-PIPE	Halon piping	0	22

IGAS - Inert Gas

AIA Name	Description	Line Style	Color
F-IGAS-EQPM	Inert gas equipment	0	162
F-IGAS-PIPE	Inert gas piping	0	162

LITE - Lights

AIA Name	Description	Line Style	Color
F-LITE-EMER	Emergency fixtures	0	23
F-LITE-EXIT	Exit fixtures	0	203

LSFT - Egress Requirements

AIA Name	Description	Line Style	Color
F-LSFT-EGRE	Egress requirements designator	0	M/6
F-LSFT-OCCP	Occupant load for egress capacity	0	M/6
F-LSFT-TRVL	Maximum travel distances	0	M/6

PROT - Fire Protection / Suppression Equipment

AIA Name	Description	Line Style	Color
F-PROT-CABN	Fire hose cabinets	0	Y/2
F-PROT-EXTN	Fire extinguishers and fire extinguisher cabinets	0	Y/2
F-PROT-HOSE	Fire hoses	0	Y/2

RATE - Fire Ratings

AIA Name	Description	Line Style	Color
F-RATE-DOOR	Door fire ratings	0	C/4
F-RATE-WALL	Wall fire ratings	0	C/4

SMOK - Smoke/Pressurization Control

AIA Name	Description	Line Style	Color
F-SMOK-DAMP	Dampers	0	22

SPRN - Sprinkler System

AIA Name	Description	Line Style	Color
F-SPRN-CLHD	Sprinkler - ceiling heads	0	122
F-SPRN-COMB	Combination system	0	R/1
F-SPRN-OTHD	Sprinkler - other heads	0	122
F-SPRN-OTHR	Sprinkler - other	0	G/3
F-SPRN-PEND	Sprinkler - pendant	0	G/3
F-SPRN-PIPE	Sprinkler piping	SPRINK	C/4
F-SPRN-STAN	Standpipe system	0	Y/2

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
F-STAT-DEMO	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	M/6
F-STAT-DEMO-PHS1	Demolition - phase 1	0	203
F-STAT-DEMO-PHS2	Demolition - phase 2	0	83
F-STAT-DEMO-PHS3	Demolition - phase 3	0	163
F-STAT-EXST	Existing to remain	0	G/3
F-STAT-FUTR	Future work	7	Y/2
F-STAT-MOVE	Items to be moved	6	M/6
F-STAT-NEWW	New work	0	C/4
F-STAT-NICN	Not in contract	3	Gr/8
F-STAT-PHS#	Phase numbers (#=1-9)	0	Y/2
F-STAT-RELO	Relocated items	2	B/5
F-STAT-TEMP	Temporary work	4	C/4

WATR - Water Supply and Distribution

AIA Name	Description	Line Style	Color
F-WATR-CONN	Fire department connections	0	122
F-WATR-HYDR	Hydrants	0	122
F-WATR-PIPE	Piping	FIRE	C/4
F-WATR-PUMP	Fire pumps	0	122

Discipline: G – General

ANNO - General Information

GRID - Grid Lines

PLAN - Floor Information

SITE - Site Information

Discipline: G - General

ANNO - General Information

AIA Name	Description	Line Style	Color
G-ANNO-LEGN	Legend & Schedule	0	V
G-ANNO-NPLT	Non-plotting graphic information	V	B/5
G-ANNO-PATT	Miscellaneous patterning and hatching	0	V
G-ANNO-REDL	Redlines	0	R/1
G-ANNO-REFR	Reference files	NA	NA
G-ANNO-REVS	Revisions	0	C/4
G-ANNO-SYMB	Miscellaneous symbols	V	M/6
G-ANNO-TEXT	Miscellaneous text and callouts with associated leaders	0	V
G-ANNO-TTLB	Border and title block linework	0	V

GRID - Grid Lines

AIA Name	Description	Line Style	Color
G-GRID-EXTR	Column grid outside building	7	B/5
G-GRID-IDEN	Column grid tags	0	R/1

PLAN - Floor Information

AIA Name	Description	Line Style	Color
G-PLAN-OTLN	Floor outline/perimeter/building footprint	0	M/6

SITE - Site Information

AIA Name	Description	Line Style	Color
G-SITE-OTLN	Site plan - key map	0	M/6

Discipline: H - Hazardous Materials

ANNO - General Information

BLDG - Buildings

DECN - Decontamination

DETL - Detail Information

DISP - Disposal Areas

FIXT - Emergency Fixtures

MNST - Monitoring Stations

POLL - Pollution Areas

SAMP - Sample Points

SECT - Sections

STAT - Demolition (used only in creating Existing Demolition model files)

STOR - Storage Facilities

Discipline: H - Hazardous Materials

ANNO - General Information

AIA Name	Description	Line Style	Color
H-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
H-ANNO-KEYN	Reference keynotes with associated leaders	0	V
H-ANNO-LEGN	Legend & Schedule	0	V
H-ANNO-NPLT	Non-plotting graphic information	V	B/5
H-ANNO-PATT	Miscellaneous patterning	0	V
H-ANNO-REDL	Redlines	0	R/1
H-ANNO-REVS	Revisions	0	C/4
H-ANNO-SYMB	Reference bubbles, matchlines and breaklines	V	M/6
H-ANNO-TEXT	Detail title text, text and associated leaders, notes	V	V

BLDG - Buildings

AIA Name	Description	Line Style	Color
H-BLDG-IDEN	Annotation	0	Y/2
H-BLDG-OTLN	Command posts, information centers	0	Y/2

DECN - Decontamination

AIA Name	Description	Line Style	Color
H-DECN-EQPM	Decontamination equipment	0	R/1
H-DECN-IDEN	Annotation	0	M/6

DETL - Detail Information

AIA Name	Description	Line Style	Color
H-DETL-GRPH	Graphics, gridlines, non-text items	V	V
H-DETL-INPD	Inch-pound-specific dimensions and notes	0	R/1
H-DETL-METR	Metric-specific dimensions and notes	0	G/3

DISP - Disposal Areas

AIA Name	Description	Line Style	Color
H-DISP-HAZW	Hazardous waste	0	B/5
H-DISP-IDEN	Annotation	0	M/6
H-DISP-MUNT	Munitions	0	B/5
H-DISP-TANK	Spill containment tanks	0	M/6

FIXT - Emergency Fixtures

AIA Name	Description	Line Style	Color
H-FIXT-EYEW	Emergency eyewashes	0	G/3
H-FIXT-SHOW	Emergency showers	0	G/3

MNST - Monitoring Stations

AIA Name	Description	Line Style	Color
H-MNST-AIRQ	Air quality	0	G/3
H-MNST-GWTR	Ground water	0	G/3
H-MNST-IDEN	Annotation	0	G/3
H-MNST-LAND	Landfill gas	0	G/3
H-MNST-SOIL	Soil gas	0	G/3
H-MNST-SWTR	Surface water	0	G/3

POLL - Pollution Areas

AIA Name	Description	Line Style	Color
H-POLL-CONC	Polluted area of concern	0	Y/2
H-POLL-IDEN	Annotation	0	Y/2
H-POLL-ORIG	Point of pollution origin	0	Y/2
H-POLL-POTN	Potential spill, emission, or release source	0	Y/2

SAMP - Sample Points

AIA Name	Description	Line Style	Color
H-SAMP-AIRS	Air samples	0	R/1
H-SAMP-BIOL	Biological samples	0	R/1
H-SAMP-GWTR	Ground water samples	0	R/1
H-SAMP-IDEN	Annotation	0	R/1

H-SAMP-MAGN	Magnetometer location points	0	R/1
H-SAMP-SEDI	Sediment samples	0	R/1
H-SAMP-SOIL	Soil samples	0	R/1
H-SAMP-SOLI	Solid material samples	0	R/1
H-SAMP-SWTR	Surface water samples	0	R/1
H-SAMP-WAST	Waste samples	0	R/1

SECT - Sections

AIA Name	Description	Line Style	Color
H-SECT-IDEN	Component identification numbers	0	Y/2
H-SECT-MBND	Material beyond section cut	0	B/5
H-SECT-MCUT	Material cut by section	0	C/4
H-SECT-PATT	Textures and hatch patterns	0	V

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
H-STAT-DEMO-PHS1	Demolition - phase 1	0	203
H-STAT-DEMO-PHS2	Demolition - phase 2	0	83
H-STAT-DEMO-PHS3	Demolition - phase 3	0	163

STOR - Storage Facilities

AIA Name	Description	Line Style	Color
H-STOR-HAZM	Hazardous materials	0	M/6
H-STOR-HAZW	Hazardous waste	0	M/6
H-STOR-IDEN	Annotation	0	M/6

Discipline: I – Interiors

ANNO - General Information

DETL - Detail Information

ELEV - Elevations

EQPM - Equipment

FLOR - Floor Information

FURN - Furniture

STAT - Demolition (used only in creating Existing Demolition model files)

SYST - Systems Furniture

Discipline: I - Interiors

ANNO - General Information

AIA Name	Description	Line Style	Color
I-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
I-ANNO-KEYN	Reference keynotes with associated leaders	0	V
I-ANNO-LEGN	Legend & Schedule	0	V
I-ANNO-NOTE	General notes and general remarks	0	Y/2
I-ANNO-NPLT	Non-plotting graphic information	V	B/5
I-ANNO-PATT	Miscellaneous patterning	0	V
I-ANNO-REDL	Redlines	0	R/1
I-ANNO-REVS	Revisions	0	C/4
I-ANNO-SYMB	Reference bubbles, matchlines and breaklines	V	M/6
I-ANNO-TEXT	Detail title text, text and associated leaders, notes	0	V

DETL - Detail Information

AIA Name	Description	Line Style	Color
I-DETL-GRPH	Graphics, gridlines, non-text items	V	V
I-DETL-INPD	Inch-pound-specific dimensions and notes	0	Y/2
I-DETL-METR	Metric-specific dimensions and notes	0	Y/2

ELEV - Elevations

AIA Name	Description	Line Style	Color
I-ELEV-CASE	Wall mounted casework	0	Y/2
I-ELEV-FIXT	Miscellaneous fixtures	0	G/3
I-ELEV-FNSH	Finishes, woodwork and trim	0	Y/2
I-ELEV-IDEN	Component identification numbers	0	B/5
I-ELEV-PATT	Textures and hatch patterns	0	V
I-ELEV-PFIX	Plumbing fixtures in elevation	0	R/1
I-ELEV-SIGN	Signage	0	R/1

EQPM - Equipment

AIA Name	Description	Line Style	Color
I-EQPM-ACCS	Equipment access	2	Gr/8
I-EQPM-CHLD	Child development (play toys, teaching rugs, play forms)	0	Y/2
I-EQPM-COPY	Copiers, fax machines, office equipment	0	Y/2
I-EQPM-FIXD	Fixed equipment	0	B/5
I-EQPM-IDEN	Equipment identification numbers	0	R/1
I-EQPM-MEDI	Medical (exam beds, dental chairs, etc.)	0	Y/2
I-EQPM-MOVE	Moveable equipment	2	B/5
I-EQPM-NICN	Not in contract equipment	1	Gr/8
I-EQPM-OVHD	Overhead, ceiling mounted, and suspended equipment	0	G/3
I-EQPM-STOR	Storage equipment	0	Y/2

FLOR - Floor Information

AIA Name	Description	Line Style	Color
I-FLOR-SIGN	Signage	0	M/6

FURN - Furniture

AIA Name	Description	Line Style	Color
I-FURN-ACCS	Accessories (vestibule matts, partitions, draperies, clocks, trash cans, lecturns, lamps, etc.)	0	R/1
I-FURN-ADPC	Automated Data Processing Components	0	Y/2
I-FURN-ARTW	Artwork	0	Y/2
I-FURN-CASE	Casegoods (desks, credenzas, beds, dressers, nightstands, wardrobes, etc.)	0	M/6
I-FURN-FLOR	Flooring (carpet, rugs, etc.)	0	Y/2
I-FURN-FREE	Free-standing furnishings (desks, beds, tables, dressers, credenzas, casegoods)	0	M/6
I-FURN-GRID	Planning grid/modular outline	0	C/4
I-FURN-IDEN	Furniture code identification	0	G/3
I-FURN-MISC	Miscellaneous furniture	0	Y/2
I-FURN-PLNT	Plants	0	R/1
I-FURN-SEAT	Chairs, sofas, etc.	0	Y/2
I-FURN-STOR	File cabinets, high density storage, shelving, storage cabinets	0	Y/2

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
I-STAT-DEMO-PHS1	Demolition - phase 1	0	203
I-STAT-DEMO-PHS2	Demolition - phase 2	0	83
I-STAT-DEMO-PHS3	Demolition - phase 3	0	163

SYST - Systems Furniture

AIA Name	Description	Line Style	Color
I-SYST-FURN	Furniture	0	Y/2
I-SYST-IDEN	Code identification	0	R/1
I-SYST-LITE	Lighting components	0	C/4
I-SYST-PATT	Patterns	0	V
I-SYST-PNLS	Panels	0	Y/2
I-SYST-POWR	Power, communication components	0	C/4
I-SYST-STOR	Storage components	0	Y/2
I-SYST-WALL	Systems furniture partition walls	0	Y/2
I-SYST-WKSF	Work surface components	0	Y/2

Discipline: L – Landscape

ANNO - General Information

DETL - Detail Information

IRRG - Irrigation System

PLNT - Plants

SITE - Site

STAT - Demolition (used only in creating Existing Demolition model files)

Discipline: L - Landscape

ANNO - General Information

AIA Name	Description	Line Style	Color
L-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
L-ANNO-KEYN	Reference keynotes with associated leaders	0	V
L-ANNO-LEGN	Legend & Schedule	0	V
L-ANNO-NOTE	General notes and general remarks	0	Y/2
L-ANNO-NPLT	Non-plotting graphic information	V	B/5
L-ANNO-PATT	Miscellaneous patterning	0	V
L-ANNO-REDL	Redlines	0	R/1
L-ANNO-REVS	Revisions	0	C/4
L-ANNO-SYMB	Reference bubbles, matchlines and breaklines	V	M/6
L-ANNO-TEXT	Detail title text, text and associated leaders, notes	V	V

DETL - Detail Information

AIA Name	Description	Line Style	Color
L-DETL-CABS	Cabinets, enclosures	0	Y/2
L-DETL-CONC	Concrete	0	R/1
L-DETL-ERTH	Earth	0	G/3
L-DETL-FENC	Fencing	0	M/6

L-DETL-FILL	Fill/cover material	0	B/5
L-DETL-FURN	Furniture, furnishings	0	Y/2
L-DETL-GATE	Gate	0	Y/2
L-DETL-GENF	General features (miscellaneous items)	0	M/6
L-DETL-GRAS	Grass, sod	0	G/3
L-DETL-GRPH	Graphics, gridlines, non-text items	V	V
L-DETL-INPD	Inch-pound-specific dimensions and notes	0	R/1
L-DETL-METR	Metric-specific dimensions and notes	0	G/3
L-DETL-STRC	Structural metal, supports	0	M/6
L-DETL-TKST	Tank Site	0	Y/2
L-DETL-VEGI	Planting details	0	G/3
L-DETL-VLVE	Valves, fittings	0	Y/2
L-DETL-WIRE	Wiring	0	M/6

IRRG - Irrigation System

AIA Name	Description	Line Style	Color
L-IRRG-COVR	Irrigation coverage, spray distribution patterns	0	B/5
L-IRRG-EQPM	Equipment (e.g., controllers, valves, RPBPs, etc.)	0	M/6
L-IRRG-HEAD	Irrigation heads, bubblers, and drip irrigation emitters	0	R/1
L-IRRG-IDEN	Annotation	0	Y/2
L-IRRG-PIPE	Piping	LAWNSP	M/6
L-IRRG-SPKL	Sprinklers	0	M/6

PLNT - Plants

AIA Name	Description	Line Style	Color
L-PLNT-BEDS	Planting beds	0	M/6
L-PLNT-BUSH	Bushes and shrubs (e.g., evergreen, deciduous)	0	83
L-PLNT-BUSH-LINE	Bush and shrub line	0	83
L-PLNT-CTNR	Containers or planters	0	R/1
L-PLNT-GRND	Groundcover and vines	0	82

L-PLNT-IDEN	Annotation	0	M/6
L-PLNT-MLCH	Mulches - organic and inorganic	0	G/3
L-PLNT-PLTS	Planting plants (e.g., ornamental annuals and perennials)	0	83
L-PLNT-SHAD	Shadow areas	0	B/5
L-PLNT-SPRG	Sprigs	0	G/3
L-PLNT-TREE	Trees (e.g., evergreen, deciduous, etc.)	0	83
L-PLNT-TREE-LINE	Tree line	TREEL	83
L-PLNT-TURF	Lawn areas (turfing limits)	0	23

SITE - Site

AIA Name	Description	Line Style	Color
L-SITE-BRDG	Bridges	0	22
L-SITE-DECK	Decks	0	232
L-SITE-FENC	Fencing	0	Y/2
L-SITE-FURN	Furnishings	0	C/4
L-SITE-GATE	Gate	0	Y/2
L-SITE-IDEN	Annotation	0	M/6
L-SITE-PLAY	Play structures	0	Y/2
L-SITE-POOL	Pools and spas	0	162
L-SITE-ROCK	Boulders and cobble	0	R/1
L-SITE-RTWL	Retaining walls	0	C/4
L-SITE-SPRT	Sports fields	0	Y/2
L-SITE-TUNL	Tunnels	0	22
L-SITE-WALK	Walks and steps	0	V

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
L-STAT-DEMO	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	M/6
L-STAT-DEMO-PHS1	Demolition - phase 1	0	203
L-STAT-DEMO-PHS2	Demolition - phase 2	0	83
L-STAT-DEMO-PHS3	Demolition - phase 3	0	163
L-STAT-EXST	Existing to remain	0	G/3
L-STAT-FUTR	Future work	7	Y/2
L-STAT-MOVE	Items to be moved	6	M/6
L-STAT-NEWW	New work	0	C/4
L-STAT-NICN	Not in contract	3	Gr/8
L-STAT-PHS#	Phase numbers (#=1-9)	0	Y/2
L-STAT-RELO	Relocated items	2	B/5
L-STAT-TEMP	Temporary work	4	C/4

Discipline: M – Mechanical

ACID - Industrial Waste Piping
AFRZ - Anti-Freeze
ALGN - Alignments
ANNO - General Information
BRIN - Brine Systems
CHEM - Chemical Treatment System
CNDW - Condenser Water System
COND - Condensate
CONT - Controls
CWTR - Chilled Water System
DETL - Detail Information
DIAG - Diagram Information
DISC - Other Discipline Information
DUAL - Dual Temperature Systems
DUST - Dust and Fume Collection Systems
ELEV - Elevations
EXHS - Exhaust
FLOR - Floor Information
GTHP - Geothermal Heat Pump System
HTCW - HTCW Utilities
HVAC - Heating, Ventilation and Air Conditioning
HWTR - Hot Water Heating System
HYDR - Hydraulic
INSL - Insulating (transformer) Oil
LUBE - Lubrication Oil
MACH - Machine Design
MATL - Material Handling
PENE - Penetrations
PROC - Process Piping
RCOV - Energy Recovery System
REFG - Refrigeration System
RWTR - Raw Water Piping
SECT - Sections
STAT - Demolition (used only in creating Existing Demolition model files)
STEM - Steam

Discipline: M - Mechanical**ACID - Industrial Waste Piping**

AIA Name	Description	Line Style	Color
M-ACID-EQPM	Acid, alkaline, and oil waste equipment	0	M/6
M-ACID-PIPE	Acid, alkaline, and oil waste piping	ACIDWS	Y/2
M-ACID-VENT	Acid, alkaline, and oil waste vent piping	2	Y/2

AFRZ - Anti-Freeze

AIA Name	Description	Line Style	Color
M-AFRZ-PIPE	Anti-freeze piping	0	82
M-AFRZ-WAST	Waste anti-freeze piping	0	82

ALGN - Alignments

AIA Name	Description	Line Style	Color
M-ALGN-DATA	Alignment coordinates and curve data	0	G/3
M-ALGN-LINE	Alignments	4	Y/2
M-ALGN-STAT	Alignment stationing and tick marks	0	G/3

ANNO - General Information

AIA Name	Description	Line Style	Color
M-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
M-ANNO-KEYN	Reference keynotes with associated leaders	0	V
M-ANNO-LEGN	Legend & Schedule	0	V
M-ANNO-NOTE	General notes and general remarks	0	Y/2
M-ANNO-NPLT	Non-plotting graphic information	V	B/5

M-ANNO-PATT	Miscellaneous patterning and hatching	0	V
M-ANNO-REDL	Redlines	0	R/1
M-ANNO-REFR	Reference files	NA	NA
M-ANNO-REVS	Revisions	0	C/4
M-ANNO-SYMB	Miscellaneous symbols	V	M/6
M-ANNO-TEXT	Miscellaneous text and callouts with associated leaders	0	V

BRIN - Brine Systems

AIA Name	Description	Line Style	Color
M-BRIN-EQPM	Brine system equipment	0	M/6
M-BRIN-PIPE	Brine system piping	BRINER, BRINES	Y/2

CHEM - Chemical Treatment System

AIA Name	Description	Line Style	Color
M-CHEM-EQPM	Equipment	0	121
M-CHEM-PIPE	Piping (includes fittings, valves)	0	121

CNDW - Condenser Water System

AIA Name	Description	Line Style	Color
M-CNDW-EQPM	Condenser water equipment	0	82
M-CNDW-PIPE	Condenser water piping	CONDWR, CONDWS	82

COND - Condensate

AIA Name	Description	Line Style	Color
M-COND-PIPE	Condensate piping (includes fittings, valves)	CDRNAF	G/3

CONT - Controls

AIA Name	Description	Line Style	Color
M-CONT-THER	Thermostats, controls, instrumentation, and sensors	0	R/1
M-CONT-WIRE	Low voltage wiring	1, 2	R/1

CWTR - Chilled Water System

AIA Name	Description	Line Style	Color
M-CWTR-EQPM	Equipment	0	122
M-CWTR-PIPE	Piping (includes fittings, valves)	CWR, CWS	122

DETL - Detail Information

AIA Name	Description	Line Style	Color
M-DETL-ACCS	Accessories	0	M/6
M-DETL-BOIL	Boilers	0	C/4
M-DETL-CABS	Cabinets	0	M/6
M-DETL-COIL	Coils and fin tubes	0	R/1
M-DETL-DUCT	Ducts	0	B/5
M-DETL-EQPT	Equipment and fixtures	0	Y/2
M-DETL-FANS	Fans	0	G/3
M-DETL-GENF	General features (miscellaneous items)	0	V
M-DETL-GRLS	Grilles and louvers	0	G/3
M-DETL-GRPH	Graphics, gridlines, non-text items	V	V
M-DETL-INPD	Inch-pound-specific dimensions and notes	0	R/1

M-DETL-INSL	Insulation and coverings	0	R/1
M-DETL-METR	Metric-specific dimensions and notes	0	G/3
M-DETL-MOTR	Motors	0	G/3
M-DETL-PIPE	Piping	0	Y/2
M-DETL-PUMP	Pumps and compressors	0	G/3
M-DETL-STRC	Structural support features	0	M/6
M-DETL-TANK	Tanks	0	Y/2
M-DETL-TRAP	Traps and drains	0	G/3
M-DETL-VENT	Vents	0	G/3
M-DETL-VLVE	Valves and fittings	0	Y/2
M-DETL-WIRE	Electrical wiring	0	R/1

DIAG - Diagram Information

AIA Name	Description	Line Style	Color
M-DIAG-GRPH	Graphics, gridlines, non-text items	V	V
M-DIAG-INPD	Inch-pound-specific dimensions and notes	0	R/1
M-DIAG-METR	Metric-specific dimensions and notes	0	G/3

DISC - Other Discipline Information

AIA Name	Description	Line Style	Color
M-DISC-INFO	Clearances and working space information	0, 1	G/3

DUAL - Dual Temperature Systems

AIA Name	Description	Line Style	Color
M-DUAL-EQPM	Equipment	0	22
M-DUAL-PIPE	Piping (includes fittings, valves)	DTR, DTS	22

DUST - Dust and Fume Collection Systems

AIA Name	Description	Line Style	Color
M-DUST-DUCT	Dust and fume ductwork	0	22
M-DUST-EQPM	Dust and fume collection equipment	0	22

ELEV - Elevations

AIA Name	Description	Line Style	Color
M-ELEV-FIXT	Miscellaneous fixtures	0	M/6
M-ELEV-IDEN	Component identification numbers	0	Y/2
M-ELEV-OTLN	Building outlines	0	M/6
M-ELEV-PATT	Textures and hatch patterns	0	V
M-ELEV-PFIX	Plumbing fixtures	0	M/6

EXHS - Exhaust

AIA Name	Description	Line Style	Color
M-EXHS-CDFF	Exhaust air ceiling registers and grilles	0	82
M-EXHS-DUCT	Exhaust ductwork	V	82
M-EXHS-EQPM	Equipment	0	82

FLOR - Floor Information

AIA Name	Description	Line Style	Color
M-FLOR-IDEN	Room name, space identification text (copied from Architectural - Floor Plan model file)	0	G/3
M-FLOR-NUMB	Room/space identification number and symbol (copied from Architectural - Floor Plan model file)	0	G/3

GTHP - Geothermal Heat Pump System

AIA Name	Description	Line Style	Color
M-GTHP-EQPM	Equipment	0	M/6
M-GTHP-PIPE	Piping (includes fittings, valves)	0	M/6

HTCW - HTCW Utilities

AIA Name	Description	Line Style	Color
M-HTCW-ABND	Abandoned piping	2	M/6
M-HTCW-CHLL	Main chilled water piping	0	M/6
M-HTCW-CHLP	Chilled water plant	0	M/6
M-HTCW-CHLS	Chilled water service piping	0	G/3
M-HTCW-DEVC	Rigid anchors, anchor guides, rectifiers, reducers, markers, meters, pumps, regulators, tanks, and valves	0	M/6
M-HTCW-FLOW	Flow direction arrows	0	G/3
M-HTCW-FTTG	Caps and flanges	0	M/6
M-HTCW-HTPL	Main high temperature piping	0	R/1
M-HTCW-HTPP	High temperature water plant	0	M/6
M-HTCW-HTPS	High temperature service piping	0	G/3
M-HTCW-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
M-HTCW-JBOX	Junction boxes, manholes, handholes, test boxes	0	R/1
M-HTCW-LTPL	Main low temperature piping	0	Y/2
M-HTCW-LTPS	Low temperature service piping	0	G/3
M-HTCW-PITS	Valve pits/vaults, steam pits	0	G/3

M-HTCW-PLNT-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
M-HTCW-PUMP	Pump stations	0	M/6
M-HTCW-RTRN	Return for all HTCW lines	0	B/5
M-HTCW-STML	Main steam piping	0	R/1
M-HTCW-STMS	Steam service piping	0	G/3
M-HTCW-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2

HVAC - Heating, Ventilation and Air Conditioning

AIA Name	Description	Line Style	Color
M-HVAC-ACCS	Equipment access doors	0, 1, 2	G/3
M-HVAC-CDFF	Ceiling diffusers, registers, and grilles	0	12
M-HVAC-DAMP	Fire and smoke dampers	0	R/1
M-HVAC-EQPM	Air system equipment	0	Y/2
M-HVAC-FDFF	Floor diffusers, registers, and grilles	0	162
M-HVAC-IDEN	Duct sizes	V	M/6
M-HVAC-RETN	Return ductwork	V	23
M-HVAC-ROOF	Roof mounted HVAC equipment	0	Y/2
M-HVAC-SUPP	Supply ductwork	V	C/4
M-HVAC-TAGS	Diffuser/register/grille tags and air flow arrows	0	M/6
M-HVAC-WDFF	Wall diffusers, registers, and grilles	0	Y/2

HWTR - Hot Water Heating System

AIA Name	Description	Line Style	Color
M-HWTR-EQPM	Equipment	0	12
M-HWTR-PIPE	Piping (includes fittings, valves)	HWR, HWS	12

HYDR - Hydraulic

AIA Name	Description	Line Style	Color
M-HYDR-EQPM	Hydraulic system equipment	0	M/6

M-HYDR-PIPE	Hydraulic system piping	0	Y/2
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INSL - Insulating (transformer) Oil

AIA Name	Description	Line Style	Color
M-INSL-EQPM	Insulating oil equipment	0	M/6
M-INSL-PIPE	Insulating oil piping	0	Y/2

LUBE - Lubrication Oil

AIA Name	Description	Line Style	Color
M-LUBE-EQPM	Lubrication oil equipment	0	M/6
M-LUBE-PIPE	Lubrication oil piping	0	Y/2

MACH - Machine Design

AIA Name	Description	Line Style	Color
M-MACH-BASE	Machinery bases	0	Y/2
M-MACH-COMP	Miscellaneous machinery parts and components	0	Y/2
M-MACH-EXST	Existing machinery	0	G/3
M-MACH-FAST	Fasteners, nuts, and bolts	0	Y/2
M-MACH-LROT	Large rotating machinery (turbine and pump outlines)	0	M/6
M-MACH-MOTR	Machinery motors	0	M/6

MATL - Material Handling

AIA Name	Description	Line Style	Color
M-MATL-CRAN	Bridge cranes, jib cranes, and monorails	0	Y/2
M-MATL-HOIS	Hoists and hooks	0	Y/2
M-MATL-LIFT	Miscellaneous lifting equipment	0	M/6

PENE - Penetrations

AIA Name	Description	Line Style	Color
M-PENE-FLOR	Floor penetrations	2	G/3
M-PENE-ROOF	Roof penetrations	2	R/1

PROC - Process Piping

AIA Name	Description	Line Style	Color
M-PROC-EQPM	Equipment	0	M/6
M-PROC-PIPE	Process piping	0	Y/2

RCOV - Energy Recovery System

AIA Name	Description	Line Style	Color
M-RCOV-EQPM	Equipment	0	M/6
M-RCOV-PIPE	Piping (includes fittings, valves)	0	M/6

REFG - Refrigeration System

AIA Name	Description	Line Style	Color
M-REFG-EQPM	Equipment	0	M/6
M-REFG-PIPE	Piping (includes fittings, valves)	REFRD, REFRL, REFRS	M/6

RWTR - Raw Water Piping

AIA Name	Description	Line Style	Color
M-RWTR-EQPM	Raw water equipment	0	M/6
M-RWTR-PIPE	Raw water piping	0	Y/2

SECT - Sections

AIA Name	Description	Line Style	Color
M-SECT-IDEN	Component identification numbers	0	Y/2
M-SECT-MBND	Material beyond section cut	V	B/5
M-SECT-MCUT	Material cut by section	0	C/4
M-SECT-PATT	Textures and hatch patterns	0	V

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
M-STAT-DEMO	Demolition	2	M/6
M-STAT-DEMO-PHS1	Demolition - phase 1	0	203
M-STAT-DEMO-PHS2	Demolition - phase 2	0	83
M-STAT-DEMO-PHS3	Demolition - phase 3	0	163
M-STAT-EXST	Existing to remain	0	G/3
M-STAT-FUTR	Future work	7	Y/2
M-STAT-MOVE	Items to be moved	6	M/6

M-STAT-NEWW	New work	0	C/4
M-STAT-NICN	Not in contract	3	Gr/8
M-STAT-PHS#	Phase numbers (#=1-9)	0	Y/2
M-STAT-RELO	Relocated items	2	B/5
M-STAT-TEMP	Temporary work	4	C/4

STEM - Steam

AIA Name	Description	Line Style	Color
M-STEM-EQPM	Equipment	0	Y/2
M-STEM-PIPE	Steam piping	STEAM	Y/2

Discipline: P – Plumbing

ANNO - General Information
 CMPA - Compressed Air
 DETL - Detail Information
 DIAG - Diagram Information
 DISC - Other Discipline Information
 DOMW - Domestic Water
 FLOR - Floor Information
 FUEL - Liquid Fuel
 LGAS - Laboratory Piping
 MDGS - Medical/Dental Piping
 PENE - Penetrations
 SANR - Sanitary Drainage Piping
 STAT - Demolition (used only in creating Existing Demolition model files)
 STRM - Storm Sewer

Discipline: P - Plumbing

ANNO - General Information

AIA Name	Description	Line Style	Color
P-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
P-ANNO-KEYN	Reference keynotes with associated leaders	0	V
P-ANNO-LEGN	Legend & Schedule	0	V
P-ANNO-NOTE	General notes and general remarks	0	Y/2
P-ANNO-NPLT	Non-plotting graphic information	V	B/5
P-ANNO-PATT	Miscellaneous patterning and hatching	0	V
P-ANNO-REDL	Redlines	0	R/1
P-ANNO-REFR	Reference files	NA	NA
P-ANNO-REVS	Revisions	0	C/4
P-ANNO-SYMB	Reference bubbles, matchlines and breaklines	V	M/6
P-ANNO-TEXT	Detail title text, text and associated leaders, notes	V	V

CMPA - Compressed Air

AIA Name	Description	Line Style	Color
P-CMPA-EQPM	Equipment	0	84
P-CMPA-PIPE	Piping	CMPAIR	83

DETL - Detail Information

AIA Name	Description	Line Style	Color
P-DETL-GRPH	Graphics, gridlines, non-text items	V	V
P-DETL-INPD	Inch-pound-specific dimensions and notes	0	Y/2
P-DETL-METR	Metric-specific dimensions and notes	0	Y/2

DIAG - Diagram Information

AIA Name	Description	Line Style	Color
P-DIAG-GRPH	Graphics, gridlines, non-text items	0, 2	V
P-DIAG-INPD	Inch-pound-specific dimensions and notes	0	R/1
P-DIAG-METR	Metric-specific dimensions and notes	0	R/1

DISC - Other Discipline Information

AIA Name	Description	Line Style	Color
P-DISC-INFO	Information and notes for other disciplines	V	V

DOMW - Domestic Water

AIA Name	Description	Line Style	Color
P-DOMW-ACCS	Equipment access doors	0	82
P-DOMW-CPIP	Domestic cold water piping	CLDWTR	123
P-DOMW-EQPM	Hot and cold water equipment	0	7
P-DOMW-FPIP	Domestic filtered water piping	0	83
P-DOMW-HPIP	Domestic hot water piping	HWTR, HWTRR	113
P-DOMW-RISR	Domestic hot and cold water risers	2	G/3
P-DOMW-RPIP	Domestic hot water recirculation piping	11	113

FLOR - Floor Information

AIA Name	Description	Line Style	Color
P-FLOR-IDEN	Room name, space identification text (copied from Architectural - Floor Plan model file)	0	G/3
P-FLOR-NUMB	Room/space identification number and symbol (copied from Architectural - Floor Plan model file)	0	G/3

FUEL - Liquid Fuel

AIA Name	Description	Line Style	Color
P-FUEL-EQPM	Equipment	0	24
P-FUEL-FGAS	Fuel gas piping	LIQPET	23
P-FUEL-FOIL	Fuel oil piping	FUELOR, FUELOS, FUELOV	23
P-FUEL-NGAS	Natural gas piping	NTGASN	23

LGAS - Laboratory Piping

AIA Name	Description	Line Style	Color
P-LGAS-EQPM	Equipment	0	24
P-LGAS-PIPE	Piping	OXYGEN, NITROG, HELIUM, HYDRGN, ACIDWS, DSTWTR, DIOWTR	23

MDGS - Medical/Dental Piping

AIA Name	Description	Line Style	Color
P-MDGS-EQPM	Equipment	0	24
P-MDGS-PIPE	Piping	OXYGEN, NITOXI, VACAIR	23

PENE - Penetrations

AIA Name	Description	Line Style	Color
P-PENE-FLOR	Floor penetrations	2	G/3
P-PENE-ROOF	Roof penetrations	2	R/1

SANR - Sanitary Drainage Piping

AIA Name	Description	Line Style	Color
P-SANR-COND	Condensate piping	0	83
P-SANR-EQPM	Equipment (e.g., sand/oil/water separators)	0	204
P-SANR-FIXT	Plumbing fixtures	0	M/6
P-SANR-FLDR	Floor drains, sinks, and cleanouts	0	M/6
P-SANR-PIPE	Piping	SSWAF	203

P-SANR-RISR	Sanitary risers	2	203
P-SANR-VENT	Vent piping	VENT	203

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
P-STAT-DEMO	Demolition	2	M/6
P-STAT-DEMO-PHS1	Demolition - phase 1	0	203
P-STAT-DEMO-PHS2	Demolition - phase 2	0	83
P-STAT-DEMO-PHS3	Demolition - phase 3	0	163
P-STAT-EXST	Existing to remain	0	G/3
P-STAT-FUTR	Future work	7	Y/2
P-STAT-MOVE	Items to be moved	6	M/6
P-STAT-NEWW	New work	0	C/4
P-STAT-NICN	Not in contract	3	Gr/8
P-STAT-PHS#	Phase numbers (#=1-9)	0	Y/2
P-STAT-RELO	Relocated items	2	B/5
P-STAT-TEMP	Temporary work	4	C/4

STRM - Storm Sewer

AIA Name	Description	Line Style	Color
P-STRM-PIPE	Storm drain piping	STRAF	163
P-STRM-RFDR	Roof drains	0, ROOFDN	163
P-STRM-RISR	Storm drain risers	2	163

Discipline: S – Structural

ANNO - General Information
 BEAM - Beam
 BRAC - Bracing
 COLS - Columns
 DECK - Deck
 DETL - Detail Information
 FEAT - Features
 FNDN - Foundation
 GRAT - Grating
 GRDL - Grade Lines
 GRID - Grid Lines
 JOIN - Joints
 JOIS - Open Web Joists
 METL - Miscellaneous Metal
 OPEN - Openings
 PADS - Pads (Arm/Disarm, Calibrations, etc.)
 PIPE - Piping
 REIN - Reinforcing
 SAFE - Safety Barriers
 SECT - Sections
 SLAB - Slabs
 SPPT - Miscellaneous Supports
 STAT - Demolition (used only in creating Existing Demolition model files)
 STRS - Stairs and Elevators
 TRUS - Trusses
 WALL – Walls

Discipline: S - Structural

ANNO - General Information

AIA Name	Description	Line Style	Color
S-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text, welding symbols	0	V
S-ANNO-KEYN	Reference keynotes with associated leaders	0	V
S-ANNO-LEGN	Legend & Schedule	0	V
S-ANNO-NOTE	General notes and general remarks	0	Y/2
S-ANNO-NPLT	Non-plotting graphic information	V	B/5
S-ANNO-PATT	Miscellaneous patterning and hatching	0	V

S-ANNO-REDL	Redlines	0	R/1
S-ANNO-REFR	Reference files	NA	NA
S-ANNO-REVS	Revisions	0	C/4
S-ANNO-SYMB	Reference bubbles, matchlines and breaklines	V	M/6
S-ANNO-TEXT	Miscellaneous text and callouts with associated leaders	0	V

BEAM - Beam

AIA Name	Description	Line Style	Color
S-BEAM-CNTR	Beam centerlines	7	B/5
S-BEAM-PRIM	Primary beams, girders	0, 2	C/4
S-BEAM-SECD	Secondary beams, girders	0, 2	M/6

BRAC - Bracing

AIA Name	Description	Line Style	Color
S-BRAC-LATL	Lateral bracing	0, 2	Y/2
S-BRAC-SHEA	Shear walls	0, 2	Y/2
S-BRAC-VERT	Vertical bracing	0, 2	Y/2

COLS - Columns

AIA Name	Description	Line Style	Color
S-COLS-CNTR	Column centerlines/working lines	7	10
S-COLS-MS1	Miscellaneous columns (Type 1)	0	22
S-COLS-MS2	Miscellaneous columns (Type 2)	0	22
S-COLS-MS3	Miscellaneous columns (Type 3)	0	22
S-COLS-MS4	Miscellaneous columns (Type 4)	0	22
S-COLS-PRIM	Primary columns	0	M/6
S-COLS-SCND	Secondary columns	0	Y/2

DECK - Deck

AIA Name	Description	Line Style	Color
S-DECK-FLOR	Floor deck	0, 2	G/3
S-DECK-OPEN	Openings and penetrations	0, 2	R/1
S-DECK-RBAR	Deck/slab reinforcing	0, 2	W/7
S-DECK-ROOF	Roof deck	0	G/3

DETL - Detail Information

AIA Name	Description	Line Style	Color
S-DETL-GRPH	Graphics, gridlines, non-text items	V	V
S-DETL-INPD	Inch-pound-specific dimensions and notes	0	Y/2
S-DETL-METR	Metric-specific dimensions and notes	0	Y/2

FEAT - Features

AIA Name	Description	Line Style	Color
S-FEAT-CMUW	CMU outline (no patterning)	0, 2	Y/2
S-FEAT-CNTR	Feature centerlines	7	B/5
S-FEAT-CONC	Concrete outline (no patterning)	0, 2	M/6
S-FEAT-GENL	General features (miscellaneous items)	0, 2	M/6
S-FEAT-WOOD	Wood outline (no patterning)	0, 2	Y/2

FNDN - Foundation

AIA Name	Description	Line Style	Color
S-FNDN-CNTR	Beam centerlines	7	B/5
S-FNDN-FTNG	Footings	0, 2	C/4
S-FNDN-GRBM	Grade beams	0, 2	C/4
S-FNDN-PEDS	Column pedestals	0, 2	C/4
S-FNDN-PILE	Piles (steel sheet, concrete, wood), piers, caisson piers, drilled piers	0, 2	Y/2
S-FNDN-RBAR	Foundation reinforcing	0, 2	W/7

GRAT - Grating

AIA Name	Description	Line Style	Color
S-GRAT-ELEV	Elevated grating (catwalks)	0, 2	G/3
S-GRAT-FLOR	Floor grating	0, 2	G/3
S-GRAT-SUBS	Subsurface grating	0, 2	G/3

GRDL - Grade Lines

AIA Name	Description	Line Style	Color
S-GRDL-EXGL	Existing ground	3	G/3
S-GRDL-FNGR	Finished grade	0	Y/2
S-GRDL-WATR	Water surface	0	G/3

GRID - Grid Lines

AIA Name	Description	Line Style	Color
S-GRID-HORZ	Primary grid lines (horizontal)	7	B/5
S-GRID-IDEN	Column I.D. tags	0	R/1
S-GRID-MSC	Miscellaneous grid lines (Type 1)	0	Gr/8
S-GRID-MSC2	Miscellaneous grid lines (Type 2)	0	Gr/8
S-GRID-MSC3	Miscellaneous grid lines (Type 3)	0	Gr/8
S-GRID-MSC4	Miscellaneous grid lines (Type 4)	0	Gr/8
S-GRID-VERT	Primary grid lines (vertical)	7	B/5

JOIN - Joints

AIA Name	Description	Line Style	Color
S-JOIN-CNST	Construction joints	0	G/3
S-JOIN-CTRL	Control/expansion joints	0	R/1

JOIS - Open Web Joists

AIA Name	Description	Line Style	Color
S-JOIS-BRDG	Bridging	2	R/1
S-JOIS-PRIM	Primary joists	0, 2	C/4
S-JOIS-SECD	Secondary joists	0, 2	M/6

METL - Miscellaneous Metal

AIA Name	Description	Line Style	Color
S-METL-MISC	Miscellaneous metal	0, 2	M/6

OPEN - Openings

AIA Name	Description	Line Style	Color
S-OPEN-MISC	Openings and penetrations	0, 2	R/1

PADS - Pads (Arm/Disarm, Calibrations, etc.)

AIA Name	Description	Line Style	Color
S-PADS-EQPM	Equipment pads	0, 2	M/6

PIPE - Piping

AIA Name	Description	Line Style	Color
S-PIPE-GATE	Gates (flap gates, sluice gates, other)	0, 2	G/3
S-PIPE-MISC	Miscellaneous piping/culverts	0, 2	Y/2
S-PIPE-TRSH	Trash racks	0, 2	G/3

REIN - Reinforcing

AIA Name	Description	Line Style	Color
S-REIN-RBAR	Rebar, welded wire mesh	0, 2	W/7

SAFE - Safety Barriers

AIA Name	Description	Line Style	Color
S-SAFE-FENC	Fencing	0	G/3
S-SAFE-HRAL	Handrails	0	G/3

SECT - Sections

AIA Name	Description	Line Style	Color
S-SECT-CMUW	CMU outline (no patterning)	0, 2	Y/2
S-SECT-CNTR	Centerlines	7	B/5
S-SECT-CONC	Concrete outline (no patterning)	0, 2	M/6
S-SECT-FNGR	Finished grade	0	Y/2
S-SECT-GENF	General features (miscellaneous items)	0, 2	M/6
S-SECT-JOIN	Joint materials (e.g., felt), vapor barrier, other	0, 2	R/1
S-SECT-MISC	Miscellaneous fasteners, anchor bolts, supports	0, 2	G/3
S-SECT-PRIM	Primary beams/girders outlines	0, 2	C/4
S-SECT-RBAR	Rebar, welded wire mesh	0, 2, WWFBRC	W/7
S-SECT-SHPS	Miscellaneous shapes, plates	0, 2	G/3
S-SECT-STLS	Wide flange shapes, plates, open web joists, decking	0, 2	G/3
S-SECT-WOOD	Wood outline (no patterning)	0, 2	Y/2

SLAB - Slabs

AIA Name	Description	Line Style	Color
S-SLAB-EDGE	Edge of slab	0, 2	Y/2
S-SLAB-OPEN	Openings and penetrations	0, 2	R/1
S-SLAB-RBAR	Slab reinforcing	0, 2	W/7

SPPT - Miscellaneous Supports

AIA Name	Description	Line	Color
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		Style	
S-SPPT-MISC	Miscellaneous fasteners, anchor bolts, supports	0, 2	G/3
S-SPPT-SHPS	Miscellaneous shapes, plates	0, 2	G/3

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
S-STAT-DEMO	Demolition	2	M/6
S-STAT-DEMO-PHS1	Demolition - phase 1	0	203
S-STAT-DEMO-PHS2	Demolition - phase 2	0	83
S-STAT-DEMO-PHS3	Demolition - phase 3	0	163
S-STAT-EXST	Existing to remain	V	91
S-STAT-FUTR	Future work	7	Y/2
S-STAT-MOVE	Items to be moved	6	M/6
S-STAT-NEWW	New work	0	C/4
S-STAT-NICN	Not in contract	3	Gr/8
S-STAT-PHS#	Phase numbers (#=1-9)	0	Y/2
S-STAT-RELO	Relocated items	2	B/5
S-STAT-TEMP	Temporary work	4	C/4

STRS - Stairs and Elevators

AIA Name	Description	Line Style	Color
S-STRS-FRAM	Stair/elevator framing	0, 2	M/6
S-STRS-LADD	Ladders, ladder handrails, safety guard, grab bars	0, 2	G/3
S-STRS-RBAR	Stair reinforcing	0, 2	W/7

TRUS - Trusses

AIA Name	Description	Line Style	Color
S-TRUS-PRIM	Primary trusses	0, 2	C/4
S-TRUS-SECD	Secondary trusses	0, 2	M/6

WALL - Walls

AIA Name	Description	Line Style	Color
S-WALL-CONC	Concrete walls	0, 2	Y/2
S-WALL-HBAR	Horizontal/secondary reinforcement	0, 2	C/4
S-WALL-LOAD	Load bearing CMU walls	0, 2	Y/2
S-WALL-NONL	Non-load bearing CMU walls	0, 2	M/6
S-WALL-OPEN	Openings and penetrations	0, 2	R/1
S-WALL-OTLN	Wall outline	0, 2	Y/2
S-WALL-PCST	Precast walls	0, 2	Y/2
S-WALL-RBAR	Wall reinforcing	0, 2	W/7
S-WALL-STUD	Stud walls	0, 2	Y/2
S-WALL-VBAR	Vertical/primary reinforcement	0, 2	C/4

Discipline: T – Telecommunications

ALRM - Fire Alarm / Detection Equipment
 ANNO - General Information
 CABL - Cable System
 CLOK - Clock System
 COMM - Communications
 DIAG - Diagram Information
 DISC - Other Discipline Information
 EQPM - Equipment
 FLOR - Floor Information
 JACK - Jacks
 NURS - Nurse Call / Paging System
 SOUN - Sound Systems
 STAT - Demolition (used only in creating Existing Demolition model files)

Discipline: T - Telecommunications

ALRM - Fire Alarm / Detection Equipment

AIA Name	Description	Line Style	Color
T-ALRM-IDEN	Identifier tags, symbol modifier, and text	0	R/1
T-ALRM-SYST	Miscellaneous alarm system symbols	0	M/6

ANNO - General Information

AIA Name	Description	Line Style	Color
T-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
T-ANNO-KEYN	Reference keynotes with associated leaders	0	V
T-ANNO-LEGN	Legend & Schedule	0	V
T-ANNO-NOTE	General notes and general remarks	0	Y/2
T-ANNO-NPLT	Non-plotting graphic information	V	B/5
T-ANNO-PATT	Miscellaneous patterning and hatching	0	V
T-ANNO-REDL	Redlines	0	R/1
T-ANNO-REFR	Reference files	NA	NA

T-ANNO-REVS	Revisions	0	C/4
T-ANNO-SYMB	Miscellaneous symbols	V	M/6
T-ANNO-TEXT	Miscellaneous text and callouts with associated leaders	0	V

CABL - Cable System

AIA Name	Description	Line Style	Color
T-CABL-COAX	Coax cable	2	83
T-CABL-FIBR	Fiber optics cable	FIBOPT	83
T-CABL-IDEN	Cable identifiers	0	Y/2
T-CABL-MULT	Multi-conductor cable	V	83
T-CABL-TRAY	Cable trays and wireways	0	203

CLOK - Clock System

AIA Name	Description	Line Style	Color
T-CLOK-IDEN	Identifier tags, symbol modifier, and text	0	R/1
T-CLOK-SYST	Clock system symbols	0	M/6

COMM - Baggage Handling Equipment

AIA Name	Description	Line Style	Color
T-COMM-APSY	Audio paging system	0	V
T-COMM-ATMS	Advanced traffic management system	0	V
T-COMM-AVID	Automatic vehicle identification system	0	V
T-COMM-BIDS	Baggage information display system	0	V
T-COMM-FIDS	Flight information display system	0	V
T-COMM-GISY	Gate information system	0	V
T-COMM-JBOX	Junction boxes	0	83
T-COMM-PMRC	Parking management and revenue control	0	V
T-COMM-VPSY	Visual paging system	0	V

DIAG - Diagram Information

AIA Name	Description	Line Style	Color
T-DIAG-GRPH	Graphics, gridlines, non-text items	V	V
T-DIAG-IDEN	Identifier tags, symbol modifier and text	0	Y/2
T-DIAG-INPD	Inch-pound-specific dimensions and notes	0	Y/2
T-DIAG-METR	Metric-specific dimensions and notes	0	Y/2

DISC - Other Discipline Information

AIA Name	Description	Line Style	Color
T-DISC-INFO	Information and notes for other disciplines	V	V

EQPM - Equipment

AIA Name	Description	Line Style	Color
T-EQPM-COMB	Distribution equipment for both copper and fiber optics	0	C/4
T-EQPM-COPP	Distribution equipment for copper	0	C/4
T-EQPM-FIBR	Distribution equipment for fiber optic	0	C/4
T-EQPM-OTHR	Other telecommunications equipment	0	C/4
T-EQPM-RELA	Relays, resistors, capacitors, and inducers	0	C/4

FLOR - Floor Information

AIA Name	Description	Line Style	Color
T-FLOR-IDEN	Room name, space identification text (copied from Architectural - Floor Plan model file)	0	G/3
T-FLOR-NUMB	Room/space identification number and symbol (copied from Architectural - Floor Plan model file)	0	G/3

JACK - Jacks

AIA Name	Description	Line Style	Color
T-JACK-COMB	Combination telephone and data/LAN jacks	0	203
T-JACK-DATA	Data/LAN jacks	0	203
T-JACK-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
T-JACK-PHON	Telephone jacks	0	203

NURS - Nurse Call / Paging System

AIA Name	Description	Line Style	Color
T-NURS-IDEN	Identifier tags, symbol modifier, and text	0	R/1
T-NURS-SYST	Nurse call system symbols	0	M/6

SOUN - Sound Systems

AIA Name	Description	Line Style	Color
T-SOUN-IDEN	Identifier tags, symbol modifier, and text	0	R/1
T-SOUN-SYST	Sound system symbols	0	M/6

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
T-STAT-DEMO-PHS1	Demolition - phase 1	0	203
T-STAT-DEMO-PHS2	Demolition - phase 2	0	83
T-STAT-DEMO-PHS3	Demolition - phase 3	0	163

Discipline: V - Survey/Mapping

AERI - Aerial Survey
AIRF - Airfield
ALGN - Alignments
ANNO - General Information
BCNS - Beacons
BLDG - Buildings
CATH - Cathodic Protection System
CHAN - Channels (waterway)
CIRC - Circuits
COMM - Communications
DOMW - Domestic Water
DUCT - Underground Duct Bank (to be used when multiple systems are in one ductbank system)
ELEC - Electrical Support Equipment
FUEL - Liquid Fuel
GRAD - Grade Linework
GRID - Grid Lines
GTHP - Geothermal Heat Pump System
HTCW - HTCW Utilities
INDW - Industrial Waste Water
LITE - Lights
NGAS - Natural Gas
POLE - Utility Poles
PRIM - Primary Electrical Cables
PROF - Profile
PROP - Property
PVMT - Pavements/Transportation
SECD - Secondary Electrical Cables
SECT - Sections
SITE - Site
SPCL - Special Systems
SSWR - Sanitary Sewer
STAT - Demolition (used only in creating Existing Demolition model files)
STRC - Structures
STRM - Storm Sewer
SURV - Survey Lines
TOPO - Topography
TRAN - Transformers
UTIL - Utilities

Discipline: V - Survey/Mapping**AERI - Aerial Survey**

AIA Name	Description	Line Style	Color
V-AERI-BNDY	Aerial photography boundaries	0	M/6
V-AERI-INDX	Aerial photo index	0	W/7
V-AERI-PATH	Aerial flight lines/paths	11	22

AIRF - Airfield

AIA Name	Description	Line Style	Color
V-AIRF-DEVC	Capacitors, voltage regulators, motors, buses, generators, meters, grounds, and markers	0	M/6
V-AIRF-DUCT	Ductbanks	0	G/3
V-AIRF-JBOX	Junction boxes, pull boxes, manholes, handholes, pedestals, splices	0	R/1

ALGN - Alignments

AIA Name	Description	Line Style	Color
V-ALGN-DATA	Alignment coordinates and curve data	0	G/3
V-ALGN-LINE	Alignments	4	Y/2
V-ALGN-MARK	Alignment tick marks	0	G/3
V-ALGN-STAT	Alignment stationing and tick marks	0	G/3

ANNO - General Information

AIA Name	Description	Line Style	Color
V-ANNO-DIMS	Witness/extension lines, dimension terminators, dimension text	0	V
V-ANNO-KEYN	Reference keynotes with associated leaders	0	V
V-ANNO-LEGN	Legend & Schedule	0	V
V-ANNO-NOTE	General notes and general remarks	0	Y/2
V-ANNO-NPLT	Non-plotting graphic information	V	B/5
V-ANNO-PATT	Miscellaneous patterning and hatching	0	V
V-ANNO-REDL	Redlines	0	R/1
V-ANNO-REFR	Reference files	NA	NA
V-ANNO-REVS	Revisions	0	C/4
V-ANNO-SYMB	Miscellaneous symbols	V	M/6
V-ANNO-TEXT	Miscellaneous text and callouts with associated leaders	0	V

BCNS - Beacons

AIA Name	Description	Line Style	Color
V-BCNS-IDEN	Identifier tags, symbol modifier, and text	0	M/6
V-BCNS-MISC	Miscellaneous nav aids - windcones and beacons	0	M/6
V-BCNS-STRB	Strobe beacons	0	M/6

BLDG - Buildings

AIA Name	Description	Line Style	Color
V-BLDG-IDEN	Building and other structure annotation	0	Y/2
V-BLDG-OTLN	Buildings and other structures	0	W/7

CATH - Cathodic Protection System

AIA Name	Description	Line Style	Color
V-CATH-ANOD	Sacrificial anode system	0	161
V-CATH-CURR	Impress current system	0	161
V-CATH-IDEN	Identifier tags, symbol modifier, and text	0	161
V-CATH-TEST	Test stations	0	161

CHAN - Channels (waterway)

AIA Name	Description	Line Style	Color
V-CHAN-AIDS	Navigation aids and text	0	Y/2
V-CHAN-CNTR	Channel centerline and survey report lines	4	B/5
V-CHAN-CNTR-IDEN	Channel centerline and survey report lines - annotation	0	B/5
V-CHAN-DACL	De-authorized channel limits, anchorages, etc.	0	G/3
V-CHAN-DACL-IDEN	De-authorized channel limits, anchorages, etc. - annotation	0	G/3
V-CHAN-IDEN	Channel limits, anchorages, turning basins, disposal areas, etc. - annotation	0	M/6
V-CHAN-LIMT	Channel limits, anchorages, turning basins, disposal areas, etc.	0	M/6

CIRC - Circuits

AIA Name	Description	Line Style	Color
V-CIRC-CTRL	Control and monitoring circuits	0	12
V-CIRC-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-CIRC-MULT	Multiple circuits	0	22
V-CIRC-SERS	Series circuits	0	82

COMM - Communications

AIA Name	Description	Line Style	Color
V-COMM-EQPM	Other communications distribution equipment	0	21
V-COMM-JBOX	Communication junction boxes, pull boxes, manholes, handholes, pedestals, splices	0	21
V-COMM-OVHD	Overhead communications/telephone lines	COMARX	81
V-COMM-OVHD-IDEN	Identifier tags, symbol modifier and text	0	81
V-COMM-UNDR	Underground communications/telephone lines	COMUGX	81
V-COMM-UNDR-IDEN	Identifier tags, symbol modifier and text	0	81
V-COMM-VALT	Communications vault	0	21

DOMW - Domestic Water

AIA Name	Description	Line Style	Color
V-DOMW-ABND	Abandoned piping	2	M/6
V-DOMW-DEVC	Connectors, faucets, reducers, regulators, vents, intake points, tanks, taps, backflow preventers, and valves	0	M/6
V-DOMW-FIRE	Fire lines	FIRE	R/1
V-DOMW-FTTG	Caps, cleanouts, crosses, and tees	0	M/6
V-DOMW-HYDR	Hydrants	0	R/1
V-DOMW-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-DOMW-MAIN	Main domestic water piping	WATRX	M/6
V-DOMW-METR	Meters	0	G/3
V-DOMW-NHYD	Non-potable hydrants/flushing hydrants	0	R/1
V-DOMW-NPOT	Non-potable water piping	NONPOT	M/6
V-DOMW-PITS-IDEN	Identifier tags, symbol modifier, and text	0	R/1
V-DOMW-PUMP	Booster pump stations	0	M/6
V-DOMW-REDC	Pressure reducing stations	0	M/6
V-DOMW-RSVR	Reservoirs	0	R/1
V-DOMW-RSVR-IDEN	Identifier tags, symbol modifier, and text	0	R/1
V-DOMW-SERV	Domestic water service piping	0	M/6
V-DOMW-SIGN	Surface markers/signs	0	R/1

V-DOMW-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-DOMW-TANK	Water storage tanks	0	R/1
V-DOMW-VENT	Vent pits	0	G/3
V-DOMW-VLVE	Valve pits/vaults	0	G/3
V-DOMW-WELL	Water well houses	0	R/1

DUCT - Underground Duct Bank (to be used when multiple systems are in one ductbank system)

AIA Name	Description	Line Style	Color
V-DUCT-MULT	Ductbank	EUDUCX	201
V-DUCT-MULT-IDEN	Identifier tags, symbol modifier and text	0	201

ELEC - Electrical Support Equipment

AIA Name	Description	Line Style	Color
V-ELEC-DEVC	Capacitors, voltage regulators, motors, buses, generators, meters, grounds, and markers	0	21
V-ELEC-JBOX	Junction boxes, pull boxes, manholes, handholes, pedestals, splices	0	21
V-ELEC-SUBS	Other substation equipment	0	21
V-ELEC-SWCH	Fuse cutouts, pole mounted switches, circuit breakers, gang operated disconnects, reclosers, cubicle switches	0	21
V-ELEC-VALT	Vaults	0	21

FUEL - Liquid Fuel

AIA Name	Description	Line Style	Color
V-FUEL-ABND	Abandoned piping	2	M/6
V-FUEL-DEFL	Defueling piping	0	M/6
V-FUEL-DEVC	Air eliminators, filter strainers, hydrant fill points, line vents, markers, oil/water separators, reducers, regulators, and valves	0	M/6
V-FUEL-FLOW	Flow direction arrows	0	M/6
V-FUEL-FTTG	Caps, crosses, and tees	0	M/6
V-FUEL-HYDR	Hydrant control pits	0	G/3
V-FUEL-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-FUEL-JBOX	Junction boxes, manholes, handholes, test boxes	0	R/1
V-FUEL-MAIN	Main fuel piping	LIQPET	M/6
V-FUEL-METR	Meters	0	G/3
V-FUEL-PITS-IDEN	Identifier tags, symbol modifier, and text	0	R/1
V-FUEL-PUMP	Booster pump stations	0	M/6
V-FUEL-SERV	Service piping	0	M/6
V-FUEL-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-FUEL-TANK	Fuel tanks	0	G/3
V-FUEL-TRCH	Fuel line trench	0	G/3
V-FUEL-VENT	Vent pits	0	G/3
V-FUEL-VLVE	Valve pits	0	G/3

GRAD - Grade Linework

AIA Name	Description	Line Style	Color
V-GRAD-EXST	Existing grade, ground line	3	M/6
V-GRAD-FNSH	Finished grade	0	C/4

GRID - Grid Lines

AIA Name	Description	Line Style	Color
V-GRID-FRAM	Frame	0	C/4
V-GRID-MAJR	Major grid lines	0	R/1
V-GRID-MINR	Minor grid lines	1	Gr/8
V-GRID-TEXT	Border text, annotation	0	Y/2

GTHP - Geothermal Heat Pump System

AIA Name	Description	Line Style	Color
V-GTHP-EQPM	Equipment	0	M/6
V-GTHP-PIPE	Piping (includes fittings, valves)	0	M/6

HTCW - HTCW Utilities

AIA Name	Description	Line Style	Color
V-HTCW-ABND	Abandoned piping	2	M/6
V-HTCW-CHLL	Main chilled water piping	0	M/6
V-HTCW-CHLP	Chilled water plant	0	M/6
V-HTCW-CHLS	Chilled water service piping	0	G/3
V-HTCW-DEVC	Rigid anchors, anchor guides, rectifiers, reducers, markers, meters, pumps, regulators, tanks, and valves	0	M/6
V-HTCW-FLOW	Flow direction arrows	0	G/3
V-HTCW-FTTG	Caps and flanges	0	M/6
V-HTCW-HTPL	Main high temperature piping	0	R/1
V-HTCW-HTPP	High temperature water plant	0	M/6
V-HTCW-HTPS	High temperature service piping	0	G/3
V-HTCW-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-HTCW-JBOX	Junction boxes, manholes, handholes, test boxes	0	R/1
V-HTCW-LTPL	Main low temperature piping	0	Y/2
V-HTCW-LTPS	Low temperature service piping	0	G/3

V-HTCW-PITS	Valve pits/vaults, steam pits	0	G/3
V-HTCW-PLNT-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-HTCW-PUMP	Pump stations	0	M/6
V-HTCW-RTRN	Return for all HTCW lines	0	B/5
V-HTCW-STML	Main steam piping	0	R/1
V-HTCW-STMS	Steam service piping	0	G/3
V-HTCW-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2

INDW - Industrial Waste Water

AIA Name	Description	Line Style	Color
V-INDW-ABND	Abandoned piping	2	M/6
V-INDW-DEVC	Grit chambers, meters, flumes, neutralizers, oil/water separators, ejectors, tanks, and valves	0	M/6
V-INDW-FLOW	Flow direction arrows	0	M/6
V-INDW-FTTG	Caps and cleanouts	0	M/6
V-INDW-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-INDW-JBOX	Junction boxes and manholes	0	R/1
V-INDW-LAGN	Lagoons	0	M/6
V-INDW-LIFT	Lift stations	0	M/6
V-INDW-MAIN	Main industrial waste water piping	IWASTE	M/6
V-INDW-PLNT	Treatment plants	0	M/6
V-INDW-RSVR-IDEN	Identifier tags, symbol modifier, and text	0	M/6
V-INDW-SERV	Industrial waste water service piping	0	R/1
V-INDW-SIGN	Surface markers/signs	0	R/1
V-INDW-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2

LITE - Lights

AIA Name	Description	Line Style	Color
V-LITE-APPR	Approach lights	0	M/6
V-LITE-DIST	Distance and arresting gear markers	0	M/6
V-LITE-FIXT	Exterior Lights	0	121
V-LITE-FIXT-IDEN	Identifier tags, symbol modifier, and text	0	121
V-LITE-LANE	Hoverlane, taxilane, and helipad lights	0	M/6
V-LITE-OBST	Obstruction lights	0	Y/2
V-LITE-RUNW	Runway lights	0	M/6
V-LITE-RUNW-CNTL	Runway Centerline lights	0	M/6
V-LITE-RUNW-TDZN	Runway Touchdown Zone lights	0	M/6
V-LITE-SIGN	Taxiway guidance signs	0	M/6
V-LITE-TAXI	Taxiway lights	0	M/6
V-LITE-THRS	Threshold lights	0	M/6

NGAS - Natural Gas

AIA Name	Description	Line Style	Color
V-NGAS-ABND	Abandoned piping	2	M/6
V-NGAS-DEVC	Hydrant fill points, lights, vents, markers, rectifiers, reducers, regulators, sources, tanks, drip pots, taps, and valves	0	M/6
V-NGAS-DEVC-IDEN	Identifier tags, symbol modifier, and text	0	M/6
V-NGAS-FLOW	Flow direction arrows	0	M/6
V-NGAS-FTTG	Caps, crosses, and tees	0	M/6
V-NGAS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-NGAS-MAIN	Main natural gas piping	NTGASX	M/6
V-NGAS-METR	Meters	0	G/3
V-NGAS-PITS-IDEN	Identifier tags, symbol modifier, and text	0	R/1
V-NGAS-PUMP	Compressor stations	0	M/6
V-NGAS-REDC	Reducing stations	0	M/6
V-NGAS-SERV	Service piping	0	R/1

V-NGAS-SIGN	Surface markers/signs	0	R/1
V-NGAS-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-NGAS-VENT	Vent pits	0	G/3
V-NGAS-VLVE	Valve pits/boxes	0	G/3

POLE - Utility Poles

AIA Name	Description	Line Style	Color
V-POLE-GUYS	Guying equipment	0	G/3
V-POLE-GUYS-IDEN	Guying equipment identifier tags, symbol modifiers, and text	0	G/3
V-POLE-IDEN	Utility pole identifier tags, symbol modifier, and text	0	G/3
V-POLE-UTIL	Utility poles	0	G/3

PRIM - Primary Electrical Cables

AIA Name	Description	Line Style	Color
V-PRIM-OVHD	Overhead electrical utility lines	EPARX	R/1
V-PRIM-OVHD-IDEN	Identifier tags, symbol modifier, and text	0	R/1
V-PRIM-UNDR	Underground electrical utility lines	EPUGX	R/1
V-PRIM-UNDR-IDEN	Identifier tags, symbol modifier, and text	0	R/1

PROF - Profile

AIA Name	Description	Line Style	Color
V-PROF-CUID	Existing grade and grading cuts - annotation	0	R/1
V-PROF-FILL	New work, grading fills	0	G/3
V-PROF-INLT	Curb and surface inlets, catch basins	0	G/3
V-PROF-MHOL	Manholes	0	R/1
V-PROF-PIPE	Piping	0	M/6
V-PROF-ROAD	Roads	0	Y/2

PROP - Property

AIA Name	Description	Line Style	Color
V-PROP-BRNG	Bearings and distance labels	0	M/6
V-PROP-CNTY	County Boundary	11	M/6
V-PROP-ESMT	Government easements/property lines	0	C/4
V-PROP-IDEN	Property annotation	0	M/6
V-PROP-LEAS	Lease line (surveyed)	0	M/6
V-PROP-LINE	Property lines (Existing recorded plats)	3	Y/2
V-PROP-LUSE	Land Use Area	11	M/6
V-PROP-MUNI	Municipal Boundary	11	M/6
V-PROP-QTRS	Quarter lines	11	M/6
V-PROP-RWAY	Right of ways	RTOFWY	W/7
V-PROP-SECT	Section lines	7	M/6
V-PROP-STAT	State Boundary	11	M/6
V-PROP-SXTS	Sixteenth lines (40 lines)	16THLN	M/6
V-PROP-ZONG	Zoning Areas	11	M/6

PVMT - Pavements/Transportation

AIA Name	Description	Line Style	Color
V-PVMT-IDEN	Road, parking lot, railroad, airfield pavement annotation	0	Y/2
V-PVMT-MRKG	Pavement markings	0	Y/2
V-PVMT-PATT	Joint patterns, text and dimensions	0	V
V-PVMT-ROAD	Roads, parking lots, railroads, airfield pavements	0, RAILS	Y/2

SECD - Secondary Electrical Cables

AIA Name	Description	Line Style	Color
V-SECD-OVHD	Overhead electrical utility lines	ESARX	61
V-SECD-OVHD-IDEN	Identifier tags, symbol modifier, and text	0	61
V-SECD-UNDR	Underground electrical utility lines	ESUGX	61
V-SECD-UNDR-IDEN	Identifier tags, symbol modifier, and text	0	61

SECT - Sections

AIA Name	Description	Line Style	Color
V-SECT-IDEN	Component identification numbers	0	Y/2
V-SECT-MBND	Material beyond section cut	0	B/5
V-SECT-MCUT	Material cut by section	0	C/4
V-SECT-PATT	Textures and hatch patterns	0	V

SITE - Site

AIA Name	Description	Line Style	Color
V-SITE-EROS	Riprap, revetments/stone protection, breakwaters, dikes, jetties, and drains	0	R/1
V-SITE-EWAT	Water features	0	162
V-SITE-FENC	Fences and handrails	0, FENCE	M/6
V-SITE-FENC-IDEN	Fence, handrail, ramp, and trail annotation	0	M/6
V-SITE-IDEN	Existing site feature/structure annotation	0	M/6
V-SITE-OTLN	Existing site features (play structures, bike racks, benches, recreational equipment)	0	C/4
V-SITE-STRC	Structures (bridges, sheds, foundation pads, footings, etc.)	0	22
V-SITE-STRS	Stairs and ramps	0	M/6
V-SITE-VEGE	Existing treelines and vegetation	0, TREEL	82
V-SITE-WALK	Walks, trails, and bicycle paths	0	Y/2
V-SITE-WATR	Water features	0	162

SPCL - Special Systems

AIA Name	Description	Line Style	Color
V-SPCL-IDEN	Special systems (UMCS, EMCS, CATV, etc.) identifier tags, symbol modifier, and text	0	151
V-SPCL-SYST	Special systems (UMCS, EMCS, CATV, etc.)	0	151
V-SPCL-TRAF	Traffic signal system	0	151
V-SPCL-TRAF-IDEN	Traffic signal identifier tags, symbol modifier, and text	0	151

SSWR - Sanitary Sewer

AIA Name	Description	Line Style	Color
V-SSWR-ABND	Abandoned piping	2	M/6
V-SSWR-DEVC	Grease traps, grit chambers, flumes, neutralizers, oil/water separators, ejectors, and valves	0	M/6
V-SSWR-DEVC-IDEN	Identifier tags, symbol modifier, and text	0	M/6
V-SSWR-FILT	Filtration beds	0	G/3
V-SSWR-FILT-IDEN	Identifier tags, symbol modifier, and text	0	G/3
V-SSWR-FLOW	Flow direction arrows	0	M/6
V-SSWR-FTTG	Caps and cleanouts	0	M/6
V-SSWR-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-SSWR-JBOX	Junction boxes and manholes	0	R/1
V-SSWR-JBOX-IDEN	Identifier tags, symbol modifier, and text	0	R/1
V-SSWR-LAGN	Lagoons	0	G/3
V-SSWR-LEAC	Leach field	0	G/3
V-SSWR-MAIN	Sanitary sewer piping	SSWAFX	M/6
V-SSWR-NITF	Nitrification drain fields	0	G/3
V-SSWR-PLNT	Treatment plants	0	M/6
V-SSWR-PUMP	Booster pump stations	0	M/6
V-SSWR-RSVR-IDEN	Identifier tags, symbol modifier, and text	0	G/3
V-SSWR-SERV	Sanitary sewer service piping	0	R/1
V-SSWR-SIGN	Surface markers/signs	0	R/1
V-SSWR-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-SSWR-TANK	Septic tanks	0	G/3

STAT - Demolition (used only in creating Existing Demolition model files)

AIA Name	Description	Line Style	Color
V-STAT-DEMO	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	M/6
V-STAT-EXST	Existing to remain	0	G/3
V-STAT-FUTR	Future work	7	Y/2
V-STAT-MOVE	Items to be moved	6	M/6
V-STAT-NEWW	New work	0	C/4
V-STAT-NICN	Not in contract	3	Gr/8
V-STAT-PHS#	Phase numbers (#=1-9)	0	Y/2
V-STAT-RELO	Relocated items	2	B/5
V-STAT-TEMP	Temporary work	4	C/4

STRC - Structures

AIA Name	Description	Line Style	Color
V-STRC-IDEN	Bridges, piers, breakwaters, docks, floats, etc. - annotation	0	Y/2
V-STRC-OTLN	Bridges, piers, breakwaters, docks, floats, etc. - outlines	0	C/4
V-STRC-TOWR	Tower	0	C/4

STRM - Storm Sewer

AIA Name	Description	Line Style	Color
V-STRM-ABND	Abandoned piping	2	M/6
V-STRM-AFFF	AFFF lagoon/detention pond	0	G/3
V-STRM-CHUT	Chutes and concrete erosion control structures	0	R/1
V-STRM-CULV	Culverts	0	G/3
V-STRM-DEVC	Downspouts, flumes, oil/water separators, and flap gates	0	M/6
V-STRM-DRAN-IDEN	Identifier tags, symbol modifier, and text	0	G/3
V-STRM-EROS	Erosion control (riprap)	0	B/5

V-STRM-FLOW	Flow direction arrows	0	M/6
V-STRM-FMON	Flow monitoring station	0	M/6
V-STRM-FTTG	Caps and cleanouts	0	M/6
V-STRM-HDWL	Headwalls and endwalls	0	W/7
V-STRM-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-STRM-INLT	Inlets (curb, surface, and catch basins)	0	G/3
V-STRM-LAGN	Lagoons, ponds, watersheds, and basins	0	G/3
V-STRM-MAIN	Storm sewer piping	STRAFX	M/6
V-STRM-MHOL	Manholes	0	R/1
V-STRM-PUMP	Pump stations	0	M/6
V-STRM-ROOF	Roof drain line	0	G/3
V-STRM-RSVR-IDEN	Identifier tags, symbol modifier, and text	0	G/3
V-STRM-SERV	Storm sewer service piping	0	R/1
V-STRM-SIGN	Surface markers/signs	0	R/1
V-STRM-STNS-IDEN	Identifier tags, symbol modifier, and text	0	Y/2
V-STRM-SUBS	Subsurface drain piping	0	G/3

SURV - Survey Lines

AIA Name	Description	Line Style	Color
V-SURV-DATA	Survey data (benchmarks and horizontal control points or monuments)	0	M/6
V-SURV-IDEN	Survey, baseline, and control line annotation	0	M/6
V-SURV-LINE	Survey, baseline, and control line	2	C/4

TOPO - Topography

AIA Name	Description	Line Style	Color
V-TOPO-BKLN	Breaklines	4	W/7
V-TOPO-BORE	Boring locations	0	M/6
V-TOPO-COOR	Coordinate grid ticks and text	0	122
V-TOPO-DTCH	Ditches and swales	0, DITCH	G/3
V-TOPO-DTMP	DTM points	0	M/6
V-TOPO-DTMT	DTM triangles	0	22
V-TOPO-MAJR	Major contours	0	Y/2
V-TOPO-MAJR-IDEN	Major contours - annotation	0	Y/2
V-TOPO-MINR	Minor contours	0	G/3
V-TOPO-MINR-IDEN	Minor contours - annotation	0	G/3
V-TOPO-SHOR	Shorelines, land features, and references	0	C/4
V-TOPO-SLOP-TOPT	Top/toe slopes	0	M/6
V-TOPO-SOUN	Soundings	0	V
V-TOPO-SPEC	Species Site	0	Y/2
V-TOPO-SPOT	Spot elevations	0	Y/2
V-TOPO-WETL	Wetland	0	Y/2

TRAN - Transformers

AIA Name	Description	Line Style	Color
V-TRAN-PADM	Pad mounted transformers	0	21
V-TRAN-PADM-IDEN	Identifier tags, symbol modifier, and text	0	21
V-TRAN-POLE	Pole mounted transformers	0	21
V-TRAN-POLE-IDEN	Identifier tags, symbol modifier, and text	0	21

UTIL - Utilities

AIA Name	Description	Line Style	Color
V-UTIL-ELEC	Power lines, lights, telephone poles, communication lines	0, COMARX, COMUGX, EPARX, EPUGX, ESARX, ESUGX	C/4
V-UTIL-ELEC-IDEN	Power/communication annotation	0	Y/2
V-UTIL-IDEN	Utility annotation	0	Y/2
V-UTIL-LINE	Utilities	V	C/4
V-UTIL-NGAS	Gas lines, features, and valves	0, NTGASX	C/4
V-UTIL-NGAS-IDEN	Gas annotation	0	Y/2
V-UTIL-SSWR	Sanitary lines and manholes	0, SSWAFX	C/4
V-UTIL-SSWR-IDEN	Sanitary annotation	0	Y/2
V-UTIL-STEM	Steam lines and annotation	0	Y/2
V-UTIL-STRM	Storm sewer lines, culverts, manholes, and headwalls	0, STRAFX, CULVRT	C/4
V-UTIL-STRM-IDEN	Storm sewer annotation	0	Y/2
V-UTIL-WATR	Water lines, hydrants, tanks	0, WATRX	C/4
V-UTIL-WATR-IDEN	Water annotation	0	Y/2