Plumbing	P	lu	ım	b	i	n	g
-----------------	---	----	----	---	---	---	---

Long Format Layer Name	Short Format Layer Name	Layer Description
***************************************		Building Information
		Layers
P-ACID	PAC	Acid, Alkaline, and Oil
		Waste Systems
P-ACID-PIPE	PACPI	Acid, Alkaline, and Oil
		Waste Piping
P-DOMW	PDO	Domestic Hot and Cold
		Water Systems
P-DOMW-EQPM	PDOEQ	Domestic Hot and Cold
		Water Equipment
P-DOMW-PIPE	PDOPI	Domestic Hot and Cold
		Water Piping
P-DOMW-RISR	PDORI	Domestic Hot and Cold
		Water Risers
P-SANR	PSA	Sanitary Drainage
P-SANR-PIPE	PSAPI	Sanitary Piping
P-SANR-FIXT	PSAFI	Plumbing Fixtures
P-SANR-FLDR	PSAFL	Floor Drains
P-SANR-RISR	PSARI	Sanitary Risers
P-STRM	PST	Storm Drainage System
P-STRM-PIPE	PSTPI	Storm Drain Piping
P-STRM-RISR	PSTRI	Storm Drain Risers
P-STRM-RFDR	PSTRF	Roof Drains
P-EQPM	PEQ	Plumbing Miscellaneous
		Equipment
P-FIXT	PFI	Plumbing Fixtures
P-ELEV	PEL	Elevations
P-ELEV-OTLN	PELOT	Building Outlines
P-ELEV-PATT	PELPA	Textures and Hatch
		Patterns
P-ELEV-IDEN	PELID	Identification Numbers
P-SECT	PSE	Sections
P-SECT-MCUT	PSEMC	Material Cut by Section
P-SECT-MBND	PSEMB	Material beyond Section
		Cut

Plumbing (continued)

Long Format	Short Format			
Layer Name	Layer Name	Layer Description		
P-SECT-PATT	PSEPA	Textures and Hatch		
		Patterns		
P-SECT-IDEN	PSEID	Identification Numbers		
P-DETL	PDE	Details		
P-DETL-MCUT	PDEMC	Material Cut by Section		
P-DETL-MBND	PDEMB	Material beyond Section (
P-DETL-PATT	PDEPA	Textures and Hatch		
		Patterns		
P-DETL-IDEN	PDEID	Identification Numbers		
		Drawing Information		
		Layers		
P-SHBD	PSH	Sheet Border and Title		
		Block Line Work		
P-SHBD-TTLB	PSHTT	Project Title Block and		
		Project Name		
P-SHBD-LOGO	PSHLO	Project or Office Logo		
P-PPLM	PPP	Plumbing Plan		
P-PDRA	PPD	Storm Drainage		
P-PSAN	PPS	Sanitary Drainage Plan		
P-P***	P**	Other Plumbing Plans		
P-RISR	PRI	Plumbing Riser Diagram		
P-ELEV	PEL	Elevations		
P-SECT	PSE	Sections		
P-DETL	PDE	Details		
P-SCHD	PSC	Schedules and Title		
_ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		Block Sheets		
P-***-NOTE	P**NO	Notes, Call-outs, and		
11012		Key Notes		
P-***-TEXT	P**TE	General Notes and		
1 11111		Specifications		
P-****-SYMB	P**SY	Symbols, Bubbles, and		
i Oimb		Targets		
P-***-DIMS	P**DI	Dimensions		
P-***-PATT	P**PA	Cross-hatching and Poch		
P-****-TTLB	P**TT	Sheet Name and Number		
P-****-NPLT	P**NP	Nonplot Information and		
IINF LI	1 141	Construction Lines		
P-***-PLOT	P**PL	Plotting Targets and		
ILLOI	IIL	Windows		

Mechanical	M	ec	ha	ni	ca	i
------------	---	----	----	----	----	---

Long Format	Short Format	Lover Description		
Layer Name	Layer Name	Layer Description		
		Building Information Layers		
M-BRIN	MBR	Brine Systems		
M-BRIN-EQPM	MBREQ	Brine System Equipment		
M-BRIN-PIPE	MBRPI	Brine System Piping		
м-єнім	мсн	Prefabricated		
N.C. CAMDA	MCM	Chimneys Compressed Air Systems		
M-CMPA CEOP	MCM MCMCE	Compressed Air Systems Compressed Air		
M-CMPA-CEQP	MCMCE	Equipment		
M-CMPA-CPIP	MCMCP	Compressed Air Piping		
M-CMPA-CFIF M-CMPA-PEQP	MCMPE	Process Air Equipment		
M-CMPA-PPIP	MCMPP	Process Air Piping		
M-CMPA-PPIP	MCMFF	Trocess Air riping		
M-CONT	мсо	Controls and		
		Instrumentation		
M-CONT-THER	MCOTH	Thermostats		
M-CONT-WIRE	MCOWI	Low Voltage Wiring		
M-DUST	MDU	Dust and Fume		
		Collection System		
M-DUST-EQPM	MDUEQ	Dust and Fume		
		Collection Equipment		
M-DUST-DUCT	MDUDU	Dust and Fume		
		Ductwork		
M-ELHT-EQPM	MELEQ	Electric Heat		
		Equipment		
M-ENER	MEN	Energy Management		
		System		
M-ENER-EQPM	MENEQ	Energy Management		
		Equipment		
M-ENER-WIRE	MENWI	Energy Management		
		Wiring		

Mechanical (continued)

Long Format	Short Format		
Layer Name	Layer Name	Layer Description	
M-EXHS	MEX	Exhaust System	
M-EXHS-EQPM	MEXEQ	Exhaust System	
		Equipment	
M-EXHS-DUCT	MEXDU	Exhaust System	
		Ductwork	
M-EXHS-RFEQ	MEXRF	Rooftop Exhaust	
		Equipment	
M-FUEL	MFU	Fuel System Piping	
M-FUEL-GPRP	MFUGP	Fuel Gas Process Piping	
M-FUEL-GGEP	MFUGG	Fuel Gas General Piping	
M-FUEL-OPRP	OPRP MFUOP Fuel Oil Process		
M-FUEL-OGEP	MFUOG	Fuel Oil General Piping	
M-HVAC	MHV	HVAC System	
M-HVAC-CDFF	MHVCD	HVAC Ceiling Diffusers	
M-HVAC-ODFF	MHVOD	HVAC Other Diffusers	
M-HVAC-DUCT	MHVDU	HVAC Ductwork	
M-HVAC-EQPM	MHVEQ	HVAC Equipment	
M-HOTW	мно	Hot Water Heating	
		System	
M-HOTW-EQPM	MHOEQ	Hot Water Equipment	
M-HOTW-PIPE	MHOPI	Hot Water Piping	
M-CWTR	MCW	Chilled Water Systems	
M-CWTR-PIPE	MCWPI	Chilled Water Piping	
M-CWTR-EQPM	MCWEQ	Chilled Water Equipment	
м-масн	MMA	Machine Shop Equipment	
M-MDGS	MMD	Medical Gas Systems	
M-MDGS-EQPM	MMDEQ	Medical Gas Equipment	
M-MDGS-PIPE	MMDPI	Medical Gas Piping	
M-PROC	MPR	Process Systems	
M-PROC-EQPM	MPREQ	Process Equipment	
M-PROC-PIPE	MPRPI	Process Piping	

Architecture, Interiors, and Facilities (continued)

Long Format Layer Name	Short Format Layer Name	Layer Description
	MANUFACTURE CONTRACTOR	Drawing Information
		Layers
A-SHBD	ASH	Sheet Border and Title
		Block Line Work
A-SHBD-TTLB	ASHTT	Project Titleblock
A-SHBD-LOGO	ASHLO	Office or Project Logo
A-PFLR	APF	Floor Plan
A-PLGS	APL	Large Scale Floor Plan
A-PCLG	APC	Reflected Ceiling Plan
A-PROF	APR	Roof Plan
A-PXFU	APX	Fixtures and Furniture
		Plan
A-PEQM	APE	Equipment Plan
A-PMFN	APM	Materials and Finish Plan
A-PDEM	APD	Demolition Plan
A-PARE	APA	Area Calculations
A-POCC	APO	Occupancy Plan
A-P***	AP*	Other Plan Drawings
A-ELEV	AEL	Interior and Exterior
		Elevations
A-SECT	ASE	Building and Wall
		Sections
A-DETL	ADE	Details
A-SCHD	ASC	Schedules and Title
		Block Sheets
A-***-NOTE	A**NO	Notes, Call-outs, and
		Key Notes
A-***-TEXT	A**TE	General Notes and
		Specifications
A-***-SYMB	A**SY	Symbols, Bubbles, and
		Targets
A-***-DIMS	A**DI	Dimensions
A-***-PATT	$A^{**}PA$	Cross-hatching and
		Poche
A-***-TTLB	A**TT	Title Block Sheet Name
		and Number
A-****-NPLT	A**NP	Nonplot Information and
		Construction Lines
A-***-PLOT	A**PL	Plotting Targets and
-		Windows

S-GRID-IDEN SGRID Column Grid Tags S-FNDN SFN Foundation S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing	Long Format	Short Format	
S-GRID SGR Column Grid S-GRID-EXTR SGREX Column Grid Outside Building S-GRID-INTR SGRIN Column Grid Inside Building S-GRID-DIMS SGRDI Column Grid Dimension S-GRID-IDEN SGRID Column Grid Tags S-FNDN SFN Foundation S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing	Layer Name	Layer Name	Layer Description
S-GRID SGR Column Grid S-GRID-EXTR SGREX Column Grid Outside Building S-GRID-INTR SGRIN Column Grid Inside Building S-GRID-DIMS SGRDI Column Grid Dimension S-GRID-IDEN SGRID Column Grid Tags S-FNDN SFN Foundation S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing			Building Information
S-GRID-EXTR SGREX Column Grid Outside Building S-GRID-INTR SGRIN Column Grid Inside Building S-GRID-DIMS SGRDI Column Grid Dimension S-GRID-IDEN SGRID Column Grid Tags S-FNDN SFN Foundation S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing			Layers
S-GRID-INTR SGRIN Column Grid Inside Building S-GRID-DIMS SGRDI Column Grid Dimension S-GRID-IDEN SGRID Column Grid Tags S-FNDN SFN Foundation S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing	S-GRID	SGR	Column Grid
S-GRID-INTR SGRIN Column Grid Inside Building S-GRID-DIMS SGRDI Column Grid Dimension S-GRID-IDEN SGRID Column Grid Tags S-FNDN SFN Foundation S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing	S-GRID-EXTR	SGREX	Column Grid Outside
S-GRID-DIMS SGRDI Column Grid Dimension Column Grid Tags S-GRID-IDEN SGRID Column Grid Tags S-FNDN SFN Foundation S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing			Building
S-GRID-DIMS SGRDI Column Grid Dimension S-GRID-IDEN SGRID Column Grid Tags S-FNDN SFN Foundation S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing	S-GRID-INTR	SGRIN	Column Grid Inside
S-GRID-IDEN SGRID Column Grid Tags S-FNDN SFN Foundation S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing			Building
S-FNDN SFN Foundation S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing	S-GRID-DIMS	SGRDI	Column Grid Dimensions
S-FNDN-PILE SFNPI Piles and Drilled Piers S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing	S-GRID-IDEN	SGRID	Column Grid Tags
S-FNDN-RBAR SFNRB Foundation Reinforcing S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing	S-FNDN	SFN	Foundation
S-SLAB SSL Slab S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing	S-FNDN-PILE	SFNPI	Piles and Drilled Piers
S-SLAB-EDGE SSLED Edge of Slab S-SLAB-RBAR SSLRB Slab Reinforcing	S-FNDN-RBAR	SFNRB	Foundation Reinforcing
S-SLAB-RBAR SSLRB Slab Reinforcing	S-SLAB	SSL	Slab
	S-SLAB-EDGE	SSLED	Edge of Slab
S-SLAB-IOIN SSLIO Slab Control Joints	S-SLAB-RBAR	SSLRB	Slab Reinforcing
O DE LE JOIL CORJO CIAS COMPANIO	S-SLAB-JOIN	SSLJO	Slab Control Joints

Architecture, Interiors, and Facilities

Architecture, Interiors, and Facilities (continued)

Long Format Layer Name	Short Format Layer Name	Layer Description	Long Format Layer Name	Short Format Layer Name	Layer Description
	Dayer Name	Building Information	A-FLOR	AFL	Floor Information
		Layers	A-FLOR-OTLN	AFLOT	Floor or Building Outline
A-WALL	AWA	Walls	A-FLOR-LEVL	AFLLE	Level Changes, Ramps,
A-WALL-FULL	AWAFU	Full Height Walls, Stair			Pits, and Depressions
		and Shaft Walls, and	A-FLOR-STRS	AFLST	Stair Treads, Escalators,
	4444.00	Walls to Structure	. Trop Dian	ABIBI	and Ladders
A-WALL-PRHT	AWAPR	Partial Height Walls	A-FLOR-RISR	AFLRI	Stair Risers
		(Not on Reflected Ceiling Plans)	A-FLOR-HRAL	AFLHR	Stair and Balcony Hand- rails and Guard Rails
A-WALL-MOVE	AWAMO	Movable Partitions	A-FLOR-EVTR	AFLEV	Elevator Cars and
A-WALL-HEAD	AWAHE	Door and Window Head-			Equipment
11 ((11))		ers (Shown on Reflected	A-FLOR-TPTN	AFLRP	Toilet Partitions
		Ceiling Plans)	A-FLOR-SPCL	AFLSP	Architectural Specialties
A-WALL-JAMB	AWAJA	Door and Window Jambs			(Toilet Room Accesso-
II THE STATE OF TH		(Not on Reflected Ceiling			ries, Display Cases)
		Plans)	A-FLOR-WDWK	AFLWD	Architectural Woodwork
A-WALL-PATT	AWAPA	Wall Insulation, Hatching			(Field-Built Cabinets and
11 111111111111111111111111111111111111		and Fill			Counters)
A-WALL-ELEV	AWAEL	Wall Surfaces (3D Views)	A-FLOR-CASE	AFLCA	Casework (Manufac-
					tured Cabinets)
A-DOOR	ADO	Doors	A-FLOR-APPL	AFLAP	Appliances
A-DOOR-FULL	ADOFU	Full Height (to Ceiling)	A-FLOR-OVHD	AFLOV	Overhead Skylights and
		Door: Swing and Leaf			Overhangs (Usually
A-DOOR-PRHT	ADOPR	Partial Height Door:			Dashed Lines)
		Swing and Leaf	A-FLOR-RAIS	AFLRA	Raised Floors
A-DOOR-IDEN	ADOID	Door Number, Hardware	A-FLOR-IDEN	AFLID	Room Numbers, Names
		Group, etc.			Targets, etc.
A-DOOR-ELEV	ADOEL	Doors (3D Views)	A-FLOR-PATT	AFLPA	Paving, Tile, and Carpet
					Patterns
A-GLAZ	AGL	Windows, Window		470	
		Walls, Curtain Walls,	A-EQPM	AEQ	Equipment
		Glazed Partitions	A-EQPM-FIXD	AEQFI	Fixed Equipment
A-GLAZ-FULL	AGLFU	Full Height Glazed Walls	A-EQPM-MOVE	AEQMO	Movable Equipment
		and Partitions	A-EQPM-NICN	AEQNI	Equipment Not in
A-GLAZ-PRHT	AGLPR	Windows and Partial	. 2022 1000	4.DC 4.C	Contract
		Height Glazed Partitions	A-EQPM-ACCS	AEQAC	Equipment Access
A-GLAZ-SILL	AGLSI	Window Sills	A-EQPM-IDEN	AEQID	Equipment Identification
A-GLAZ-IDEN	AGLID	Window Number	A BODY BY ET	ABOBI	Numbers
A-GLAZ-ELEV	AGLEL	Glazing and Mullions	A-EQPM-ELEV	AEQEL	Equipment Surfaces (3I
		(Elevation Views)			Views)

Civil Engineering and Site Work

Landscape Architecture

Long Format Layer Name	Short Format Layer Name	Layer Description	Long Format Layer Name	Short Format Layer Name	Layer Description
	<u> </u>	Building Information			Building Information
		Layers			Layers
C-PROP	CPR	Property Lines and Survey	L-PLNT	LPL	Plant and Landscape
		Benchmarks	B I BIVI		Materials
C-TOPO	СТО	Proposed Contour Lines	L-IRRG	LIR	Irrigation System
C 101 0		and Elevations	L-WALK	LWA	Walks and Steps
C-BLDG	CBL	Proposed Building Footprints	L-SITE	LSI	Site Improvements
C-PKNG	СРК	Parking Lots	L-ELEV	LEL	Elevations
C-ROAD	CRO	Roads	L-SECT	LSE	Sections
C-STRM	CST	Storm Drainage Catch-	L-DETL	LDE	Details
		basins and Manholes			
C-COMM	CCO	Site Communication			Drawing Information
		(Telephone Poles, Boxes,			Layers
		Towers)	L-SHBD	LSH	Sheet Border and Title
C-WATR	CWA	Domestic Water (Manholes,			Block Line Work
		Pumping Stations, Storage	L-PSIT	LPS	Site Plan
		Tanks)	L-PPLA	LPP	Planting Drawing
C-FIRE	CFI	Fire Protection Hydrants,	L-PIRR	LPI	Irrigation Drawing
		Connections	L-PWLK	LPW	Walks and Paving Plan
C-NGAS	CNG	Natural Gas Manholes,	L-P***	LP^*	Other Landscape Plan
		Meters, and Storage Tanks			Drawings
C-SSWR	CSS	Sanitary Sewer (Manholes,	L-ELEV	LEL	Elevations
		Pumping Stations)	L-SECT	LSE	Sections
C-ELEV	CEL	Elevations	L-DETL	LDE	Details
C-SECT	CSE .	Sections	L-SCHD	LSC	Schedules and Title Block
C-DETL	CDE	Details			Sheets
		Drawing Information Layers			
C-SHBD	CSH	Sheet Border and Title			
C-SHDD	0311	Block Line Work			
C-PSIT	CPS	Site Plan			
C-PELC	CPE	Site Electrical Systems Plan			
C-PUTL	CPU	Site Utility Plan			
C-PGRD	CPG	Grading Plan			
C-PPAV	CPP	Paving Plan			
C-P***	CP*	Other Site, Landscape,			
	01	or Civil Plans			
C-ELEV	CEL	Elevations			
C-SECT	CSE	Sections			
C-DETL	CDE	Details			
C-SCHD	CSC	Schedules and Title Block			
-,	-	Sheets			

Plumbing

Fire Protection

Long Format Layer Name	Short Format Layer Name	Layer Description	Long Format Layer Name	Short Format Layer Name	Layer Description
Day of Traine	Bayer I turne	Building Information	Dayer Name	Dayer Ivanie	Building Information
D. A.GID	DAG.	Layers	D 0000	7.00	Layers
P-ACID	PAC	Acid, Alkaline, and Oil	F-CO2S	FCO	CO ₂ System
D D O MY	77.0	Waste Systems	F-HALN	FHA	Halon
P-DOMW	PDO	Domestic Hot and Cold Water Systems	F-SPRN	FSP	Fire Protection Sprinkler System
P-SANR	PSA	Sanitary Drainage	F-STAN	FST	Fire Protection Standpipe
P-STRM	PST	Storm Drainage System			System
P-EQPM	PEQ	Plumbing Miscellaneous	F-PROT	FPR	Fire Protection Systems
		Equipment	F-ELEV	FEL	Elevations
P-FIXT	PFI	Plumbing Fixtures	F-SECT	FSE	Sections
P-ELEV	PEL	Elevations	F-DETL	FDE	Details
P-SECT	PSE	Sections			
P-DETL	PDE	Details			Drawing Information Layers
		Drawing Information Layers	F-SHBD	FSH	Sheet Border and Title Block Line Work
P-SHBD	PSH	Sheet Border and Title	F-PSPR	FPS	Sprinkler Plan
		Block Line Work	F-RISR	FRI	Sprinkler Riser Diagram
P-PPLM	PPP	Plumbing Plan	F-PFPE	FPF	Fire Protection Equipment
P-PDRA	PPD	Storm Drainage			Plan
P-PSAN	PPS	Sanitary Drainage Plan	F-P***	FP*	Other Fire Protection
P-P***	P**	Other Plumbing Plans			System Plans
P-RISR	PRI	Plumbing Riser Diagram	F-ELEV	FEL	Elevations
P-ELEV	PEL	Elevations	F-SECT	FSE	Sections
P-SECT	PSE	Sections	F-DETL	FDE	Details
P-DETL	PDE	Details	F-SCHD	FSC	Schedules and Title Block
P-SCHD	PSC	Schedules and Title Block Sheets			Sheets

3. SUMMARY LAYER LIST WITHOUT MODIFIERS

This list contains all layer names summarized by major and minor group.

Architecture, Interiors, and Facilities

Structural

Long Format Layer Name	Short Format Layer Name	Layer Description	Long Format Layer Name	Short Format Layer Name	Layer Description
Layer Ivallie	Dayer Ivame		Dayer Ivanic	Dayer Ivanic	
		Building Information Layers			Building Information Layers
A-WALL	AWA	Walls	S-GRID	SGR	Column Grid
A-DOOR	ADO	Doors	S-FNDN	SFN	Foundation
A-GLAZ	AGL	Windows, Window Walls,	S-SLAB	SSL	Slab
		Curtain Walls, Glazed	S-ABLT	SAB	Anchor Bolts
		Partitions	S-COLS	SCO	Columns
Ā-FLOR	AFL	Floor Information	S-WALL	SWA	Structural Bearing or Shear
A-EQPM	AEQ	Equipment	O WILDE		Walls
A-FURN	AFU	Furniture	S-METL	SME	Miscellaneous Metal
A-CLNG	ACL	Ceiling Information	S-FRAM	SFR	Framing Plan (Beams,
A-ROOF	ARO	Roof	O I RIMI		Joists)
A-AREA	AAR	Area Calculations and	S-ELEV	SEL	Elevations
11 1110311	11111	Occupancy Information	S-SECT	SSE	Sections
A-ELEV	AEL	Interior and Exterior	S-DETL	SDE	Details
II DDL V	ILD	Elevations	S-DETE	ODE	Details
A-SECT	ASE	Sections			Drawing Information
A-DETL	ADE	Details			Layers
A-DE LE	ADE	Details	S-SHBD	SSH	Sheet Border and Title
		Drawing Information			Block Line Work
		Layers	S-PFND	SPF	Foundation Plan
A-SHBD	ASH	Sheet Border and Title	S-PSFR	SPS	Structural Framing Plan
		Block Line Work	S-PCOL	SPC	Column Plan
A-PFLR	APF	Floor Plan	S-P***	SP*	Other Structural Plans
A-PLGS	APL	Large Scale Floor Plan	S-ELEV	SEL	Elevations
A-PCLG	APC	Reflected Ceiling Plan	S-SECT	SSE	Sections
A-PROF	APR	Roof Plan	S-DETL	SDE	Details
A-PXFU	APX	Fixtures and Furniture Plan	S-SCHD	SSC	Schedules and Title Block
A-PEQM	APE	Equipment Plan	0 0 0 1 1 2		Sheets
A-PMFN	APM	Materials and Finish Plan		,	
A-PDEM	APD	Demolition Plan			
A-PARE	APA	Area Calculations			
A-POCC	APO	Occupancy Plan			
A-P***	AP*	Other Plan Drawings			
A-ELEV	AEL	Interior and Exterior			
II DDD I	11111	Elevations			
A-SECT	ASE	Building and Wall Sections			
A-DETL	ADE	Details			
A-SCHD	ASC	Schedules and Title Block			
-	1100	Sheets		•	
		onects			

Modifier

A modifier may be added to a layer name for further differentiation. For example, walls (A-WALL) may be categorized as full height (A-WALL-FULL), partial height (A-WALL-PRHT), or movable (A-WALL-MOVE).

The modifier is optional and need not be used when the minor group layer name alone will suffice. For example, a simple project might be accomplished using only the layers shown below:

A-WALL	AWA	Walls
A-DOOR	ADO	Doors
A-GLAZ	AGL	Windows, Window Walls, Curtain
		Walls, and Glazed Partitions
A-FLOR	AFL	Floor Information
A-CLNG	ACL	Ceiling Information
A-ELEV	AEL	Interior and Exterior Elevations
A-DETL	ADE	Details
A-PFLR	APF	Floor Plan
A-PCLG	APC	Reflected Ceiling Plan

CAD drawings may contain a combination of layer names with and without modifiers. In the example below, A-WALL contains all walls except partial height and movable walls.

A-WALL	AWA	Walls
A-WALL-PRHT	AWAPR	Partial Height Walls
A-WALL-MOVE	AWAMO	Movable Walls
A-DOOR	ADO	Doors
A-DOOR-IDEN	ADOID	Door Numbers
A-GLAZ	AGL	Windows, Window Walls,
		Curtain Walls, Glazed
		Partitions

The choice of using layer names with or without modifiers allows the guidelines to be used in a straightforward, streamlined fashion for simple projects that don't need the level of detail required for large complicated projects.

User Definable Fields

The guidelines are intended to be open-ended. The userdefined field allows additional layers to be added to accommodate special project requirements. The user-defined field may be added after a modifier or in place of a modifier. Below are some examples of user-defined fields:

A-DOOR-METL	ADR-ME	Metal Door
A-DOOR-IDEN-METL	ADRID-ME	Metal Door
		Number
A-FURN-PANL-MFR1	AFUPN-M1	Furniture Panels
		from Manufacturer 1
A-FURN-PANL-MFR2	AFUPN-M2	Furniture Panels
		from Manufacturer 2
A-WALL-01	AWL-01	Walls on 1st Floor
A-WALL-02	AWL-02	Walls on 2nd Floor

User-defined fields may be variable in length up to 4 characters for long format layer names or 2 characters for short format layer names.

2. LAYER NAME FORMAT

Layer Formats

The Laver Guidelines are organized as a hierarchy. This structure makes the list easier to use and accommodates future expansion. Layer names are alphanumeric and use easyto-remember abbreviations such as A-DOOR for architectural doors, A-WALL for architectural walls, and E-POWR for electrical power.

Two formats are defined for layer names: a long format using 6-16 characters and a short format using 3-8 characters. The short format reduces keystrokes and can be accommodated on systems restricted to 8-character layer names. However, the long format provides greater readability. Either format may be used, but consistency should be maintained within a project.

Layer names are mnemonic in character to improve ease of use. In the long format, hyphens are used to separate major group, minor group, and modifier to improve readability.

Long format layer names can be automatically converted to short format layer names by combining the major group code, the first two characters of the minor group, and the first two characters of the modifier. For example, A-WALL-FULL is converted to AWAFU. It is quite possible that many CAD vendors will implement a layer "alias" feature, providing automatic translation between short form and long form layer names, thus providing the benefits of both formats.

Major Groups

Although the major groups correspond to the traditional discipline designations used in construction document sheet numbering, they are not intended to suggest or control which member of the design team draws which objects. For example, the column grid would be placed on layer S-GRID regardless of whether it was drawn by the architect or structural engineer.

Eight major groups are defined in these guidelines:

- Architecture, Interiors, and Facilities Management
- S Structural
- M Mechanical
- P Plumbing
- F Fire Protection
- E Electrical
- Civil Engineering and Site Work C
- Landscape Architecture

Minor Groups

Minor groups subdivide major groups on the basis of construction system or type of information. For example, the architectural major group contains minor groups for walls, doors, floors, ceilings, furniture, and equipment.

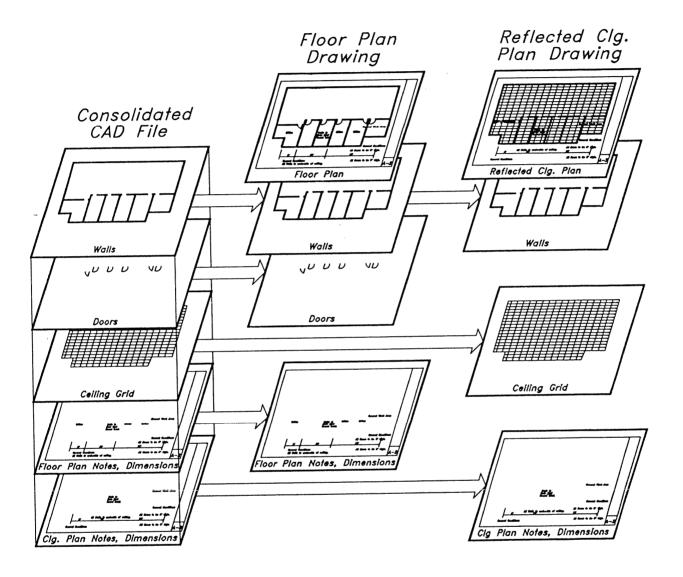


Figure 1.1 An Example of Using Layers to Share Information

	ann a chairtean de la chairtean ann ann ann ann ann ann ann ann ann
	53.00
	- COS ALONA MODIO NI NI
	EDOCUMA HATEL PARK
	MER Neverbor (144)
	I The state of the
	· interpolation
	2
	a contraction of
	· ·
	.]
	**
•	
	Ÿ

//			
			•
			*

The American Institute of Architects Press 1735 New York Avenue NW Washington, DC 20006-5292

© 1990 The American Institute of Architects All rights reserved Printed in the United States of America 94 5 4 3

Illustrations on pages 10, 36, 37, 38, 39, 42, 43, and 44 are reprinted with permission of Michael K. Schley.

Designed by Market Sights, Inc., Washington, DC Type in Century Old Style and Franklin Gothic by Wordscape, Washington, DC Printed by Sauls Lithograph Company Inc.

Ì
V-1000000000000000000000000000000000000
A COLUMN TO THE PARTY OF THE PA
and an individual control of the con
s-kasinawana andara
4
•
Gelglegal repudents
odni e eddosanos
and the second
4,000
opusaseal21P03+VVo
and foregoing
pad Server, legis
i de la composición del composición de la composición de la composición del composición de la composic
de moore Classic Classical
· manager in the control of the cont
-things promote the state of th
Approximation of the state of t
*
- Acquirie - mortifa
- Gallington works
·
-
-2
P.A.
ĭ
A