

ABBREVIATIONS

A	AMMETER, AMPERE, AMPS	DN	DOWN	I	CURRENT, INTERLOCK	PA	PUBLIC ADDRESS	SWGR	SWITCHGEAR
ABND	ABANDON	DO	DITTO	I/O	INPUT/OUTPUT PANEL	P	PANEL, POLE, PHASE, POWER	SYM	SYMMETRICAL
ABV	ABOVE	DS	DISTRIBUTION PANELBOARD	IC	INTERRUPTING CAPACITY	PAV	PAVEMENT	SYNC	SYNCHRONOUS
AC	ASPHALTIC CONCRETE/ALTERNATING CURRENT	DP	DISCONNECT SWITCH	ID	INSIDE DIAMETER/DIMENSION	PB	PUSH BUTTON	SYNCS	SYNCHROSCOPE
ACP	ASPHALT CONCRETE PAVEMENT	DWG	DRAWING	IE	INVERT ELEVATION	PBX	PRIVATE BRANCH EXCHANGE	SY	SQUARE YARD/YARDS
ADS	ADS CORRUGATED POLYETHYLENE PIPE	E	EAST	IE	INSTRUMENT JUNCTION BOX	PC	POINT OF CURVATURE, PIECE	SYS	SYSTEM
AF	AMP FRAME	EA	EACH	ILS	INSTRUMENT LANDING SYSTEM	PCC	PORTLAND CEMENT CONCRETE	T	TELEPHONE PEDESTAL, THERMOSTAT
AFF	ABOVE FINISHED FLOOR	EC	ELECTRICAL CONDUIT	IN	INCH	PCF	POUND PER CUBIC FOOT	TAN	TANGENT
AFG	ABOVE FINISHED GRADE	ED	ELECTRICAL DUCT	INCL	INCLUDING	PCS	PORT CONSTRUCTION SERVICES	TB	TERMINAL BOARD, TERMINAL BLOCK
AHU	AIR HANDLING UNIT	EF	EXHAUST FAN	INST	INSTANTANEOUS	PE	PHOTOELECTRIC SENSOR	TBD	TO BE DETERMINED
AIC	AMPS INTERRUPTING CAPACITY	EGC	EQUIPMENT GROUND CONDUCTOR	INSTR	INSTRUMENT	PERF	PERFORATED	TC	TOP OF CURVE
AL	ALUMINUM	EI	ELECTRICAL INTERLOCK	INV	INVERT	PF	POWER FACTOR	TD	TIME DELAY
ALT	ALTERNATE	ELEC	ELECTRIC/ELECTRICAL	IPS	IRON PIPE SIZE	PH OR Ø	PHASE	TE	TOP ELEVATION
AM	AMMETER	EL, ELEV	ELEVATION	IWS	INDUSTRIAL WASTE SEWER	PL	PLATE	TEL	TELEPHONE
AMP	AMPERE	ELT	EQUIPMENT LIGHT	J, JB	JUNCTION BOX	PLCS	PLACES	TEMP	TEMPORARY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	EMBT	EMBEDMENT	JCT	JUNCTION	PMI	PADMOUNT FAULT INTERRUPTOR	TERM	TERMINAL, TERMINATION
AOA	AIRFIELD OPERATIONS AREA	EMT	ELECTRICAL METALLIC TUBING	JT	JOINT	PNL	PANEL	TESCP	TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN
APPROX	APPROXIMATE	EMERG	EMERGENCY	K	KIRK INTERLOCK, KIP	PNLBD	PANELBOARD	THHN	HEAT-RESISTANT THERMOPLASTIC
ARCH	ARCHITECTURAL	ENCL	ENCLOSURE	KCMIL	THOUSAND CIRCULAR-MIL	POS	PORT OF SEATTLE	THWN	MOISTURE-AND-HEAT RESISTANT THERMOPLASTIC
ASPH	ASPHALT	ENGR	ENGINEER	KO	KEY OPERATED	PR	PAIR	THRU	THROUGH
ASR	AIRPORT SURVEILLANCE RADAR	EOP	EDGE OF PAVEMENT	KSI	1000 POUNDS PER SQUARE INCH	PREFAB	PREFABRICATED	TMH	TELEPHONE MANHOLE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIAL	EPR	ETHYLENE PROPYLENE RUBBER	KV	KILOVOLT	PRI	PRIMARY	TOC	TOP OF CONCRETE
AT	AMP TRIP	EQU	EQUAL	KVA	KILOVOLT AMPERE(S)	PROJ	PROJECT	TOF	TOP OF FOOTING
ATS	AUTOMATIC TRANSFER SWITCH	EQUIP	EQUIPMENT	KVAR	KILOVOLT AMPERES REACTIVE	PS	POWER SUPPLY	TOP	TOP OF PAVEMENT
AUX	AUXILIARY	EQUIV	EQUIVALENT	KVARH	KILOVOLT AMPERES REACTIVE HOUR	PSE	PUGET SOUND ENERGY	TOS	TOP OF SUPPORT OR STEEL
AUTO	AUTOMATIC	ETL	ELECTRICAL TESTING LABORATORY	KW	KILOWATT	PSF	POUND PER SQUARE FOOT	TOW	TOP OF WALL
AVG	AVERAGE	EW	EACH WAY	KWH	KILOWATT HOUR	PT	POINT OF TANGENCY, POINT	TP	TURNING POINT
AWG	AMERICAN WIRE GAUGE	EWC	ELECTRIC WATER COOLER	KWHD	KILOWATT HOUR DEMAND	PTVC	POINT OF TANGENCY, VERTICAL CURVE	TRAN	TRANSVERSE
BATT	BATTERY	EWH	ELECTRIC WATER HEATER	L	LENGTH, ANGLE, LIGHT, LOCAL	PVC	POLYVINYL CHLORIDE	TS	TUBE STEEL
BC	BOLT CIRCLE/BARE COPPER	EXIST	EXISTING	LB	POUND, LOADBREAK	PWR	POWER	TSP	TWISTED-SHIELDED-PAIR
BET	BETWEEN	EXH	EXHAUST	LBS	POUNDS, LOW BUS SUPPORT	QTY	QUANTITY	TTB	TELEPHONE TERMINAL BOARD
BITUM	BITUMINOUS	EXJ	EXPANSION JOINT	LC	LIGHTING CONTACTOR	R	RADIUS, REMOTE, OR RED INDICATING LIGHT	TYP	TYPICAL
BLDG	BUILDING	EXP	EXPOSED	LCP	LOCAL CONTROL PANEL	RCP	REINFORCED CONCRETE PIPE	T/D	TRANSDUCER
BM	BENCH MARK	EXT	EXTERIOR	LDSS	LOW BUSS DISCONNECT SUPPORT SWITCH	REC	RECEIVED	T/L, TL	TAXILANE
BKR	BREAKER	E-W	EAST-WEST	LED	LIGHT EMITTING DIODE	REC	RECEPTACLE	T/W	TAXIWAY
BOT	BOTTOM	F	FARENHEIT, FEEDER	LF	LINEAR FEET/FOOT	RED	REDUCER	T&B	TOP AND BOTTOM
C	CONDUCTOR	FAA	FEDERAL AVIATION ADMINISTRATION	LIN	LINEAR	REF	REFERENCE	UBC	UNIFORM BUILDING CODE
CAB	CABINET	FACP	FIRE ALARM CONTROL PANEL	LO	LOW	REINF	REINFORCEMENT	UF	UNDER FLOOR
CAT	CATALOG	FC	FOOT CANDLE	LONGIT	LONGITUDE	REQD	REQUIRED	UG	UNDERGROUND
CB	CATCH BASIN OR CIRCUIT BREAKER	FD	FIELD DRILL, FLOOR DRAIN	LP	LIQUID PETROLEUM	REV	REVISION/REVISED	UH	UNIT HEATER
CCR	CONSTANT CURRENT REGULATOR	FDN	FOUNDATION	LS	LIMIT SWITCH	RGS	RIGID GALVANIZED STEEL	UL	UNDERWRITERS LABORATORY
CEM	CEMENT	FDR	FEEDER	LT	LIGHT	RM	ROOM	UMC	UNIFORM MECHANICAL CODE
CF	CUBIC FOOT	FH	FIRE HYDRANT	LTC	LOAD TAP CHANGER	ROW	RIGHT-OF-WAY	UN	UNLESS NOTED
CI	CAST IRON	FHP	FRACTIONAL HORSEPOWER	LTG	LIGHTING	RPM	REVOLUTIONS PER MINUTE	UNC	UNIFIED NATIONAL COARSE THREAD
CIP	CAST-IN-PLACE	FIN	FINISHED	LTS	LIGHTS	RTU	REMOTE TERMINAL UNIT	UNO	UNLESS NOTED OTHERWISE
CJ	CONSTRUCTION JOINT	FIN FL	FINISHED FLOOR	LV	LOW VOLTAGE	RVAT	REDUCED VOLTAGE AUTOTRANSFORMER	UPC	UNIFORM PLUMBING CODE
CKT	CIRCUIT	FIXT	FIXTURE	L-L	LINE-TO-LINE	RVNR	REDUCED VOLTAGE NON-REVERSING RUNWAY, RIGHT-OF-WAY	UPS	UNINTERRUPTED POWER SUPPLY
CLR	CLEAR	FL	FLOOD LIGHT	M	MOTOR	S	SOUTH, SEWER MANHOLE	V	VOLT
CL	CLASS OR CENTERLINE	FLEX	FLEXIBLE CONDUIT	MAX	MAXIMUM	SA	SURGE ARRESTOR	VAR	VOLT AMPERE REACTIVE
CLG	CEILING	FLR	FLOOR	MC	MISCELLANEOUS CHANNEL	SC	SECTIONALIZING CABINET	VARM	VAR METER
CMP	CORRUGATED METAL PIPE, CENTRAL MECHANICAL PLANT	FLUOR	FLUORESCENT	MCC	MOTOR CONTROL CENTER	SCADA	SURPERSIVORY CONTROL AND DATA ACQUISITION	VERT	VERTICAL
CO	CONDUIT ONLY	FM	FACTORY MUTUAL	MCM	MILLION CIRCULAR MILS	SCH	SCHEDULE	VFI	VACUUM FAULT INTERRUPTER
COL	COLUMN	FO	FIBER OPTIC	MCP	MOTOR CIRCUIT PROTECTOR	SD	SOFT DRAWN (COPPER), STORM DRAIN	VFD	VARIABLE FREQUENCY DRIVE
COMM	COMMUNICATION(S)	FS	FAR SIDE	MCOV	MAXIMUM CIRCUIT OPERATING VOLTAGE	SEC	SECOND, SECONDARY	VM	VOLTMETER
CONC	CONCRETE	FT	FOOT (FEET)	MECH	MECHANICAL	SECT	SECTION	VOL	VOLUME
COND	CONDUIT	FTG	FOOTING	MEMB	MEMBRANE	SF	SQUARE FOOT/FEET	VS	VERSUS
CONN	CONNECT/CONNECTION	FU	FUSE	MFM	MULTIFUNCTION METER	SHLD	SHIELD OR SHIELDED	VSD	VARIABLE SPEED DRIVE
CONST	CONSTRUCTION	FUT	FUTURE	MFR	MANUFACTURER	SHT	SHEET	VT	VOLTAGE TRANSFORMER
CONT	CONTINUOUS	FV	FULL VOLTAGE	MG	MOTOR GENERATOR	SI	SQUARE INCH/INCHES	VTS	VOLTAGE TEST SWITCH
CONTR	CONTRACTOR	FVR	FULL VOLTAGE REVERSING	MH	MANHOLE	SIM	SIMILAR	W	WIDE FLANGE, WATT, WIDTH, WEST
COORD	COORDINATE	FVNR	FULL VOLTAGE NON-REVERSING	MIN	MINIMUM	SK	SKETCH	WH	WHITE INDICATING LIGHT, WATER
CP	CONCRETE PIPE	G	GREEN INDICATING LIGHT OR GROUND (ELECTRICAL)	MISC	MISCELLANEOUS	SOGM	SWITCH OPERATOR GROUND MAT	WM	WATTMETER
CPD	CAPPED	GALV	GALVANIZED	MLO	MAIN LUGS ONLY	SP	SPACED, SPACING	W/O	WITHOUT
CPT	CONTROL POWER TRANSFORMER	GB	GROUND BEAM	MON	MONUMENT	SPDT	SINGLE POLE DOUBLE THROW	WP	WEATHERPROOF
CR	CONTROL RELAY	GCB	GAS CIRCUIT BREAKER	MTD	MOUNTED	SPEC	SPECIFICATION(S)	WPP	WOOD POWER POLE
CRS	PVC COATED RIGID STEEL	GEN	GENERATOR	MTG	MOUNTING	SPP	STEEL POWER POLE	WT	WEIGHT
CS	CONTROL SWITCH/CONTROL STATION	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	MTR	MOTOR	SQ	SQUARE	WWF	WELDED WIRE FABRIC
CSA	CANADIAN STANDARDS ASSOCIATION	GFI	GROUND FAULT INTERRUPTER	MTS	MAIN TERMINAL SECURITY	SS	SANITARY SEWER	W/	WITH
CT	CURRENT TRANSFORMER	GND	GROUND	MVA	MEGAVOLT-AMPERE	SSS	SWITCH SUPPORT STRUCTURE	X	REACTANCE
CTE	CENTRAL TERMINAL EXPANSION	GR	GRADE, GROUND ROD	N	NORTH/NEUTRAL	SSTL	STAINLESS STEEL	XFMR	TRANSFORMER
CTR	CENTER	GRS	GALVANIZED RIGID STEEL	NC	NORMALLY CLOSED	ST	STREET	XHHW	MOISTURE/AND HEAT RESISTANT
CTRL	CONTROL	GV	GATE VALVE	NE	NORTHEAST	STA	STATION	XMTR	CROSS LINKED SYNTHETIC POLYMER
CTS	CURRENT TEST SWITCH	H	HEIGHT (HIGH)	NEC	NATIONAL ELECTRICAL CODE	STD	STANDARD	XP	EXPLOSION PROOF
CU	COPPER	HBS	HIGH BUS SUPPORT	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION	STEP	SOUTH TERMINAL EXPANSION PROJECT	&	AND
CY	CUBIC YARD	HCO	ANNUNCIATOR HORN CIRCUIT	NEUT	NEUTRAL	STL	STEEL	@	AT
DB	DUCT BANK	HDSS	HIGH BUS DISCONNECT SWITCH SUPPORT	NIC	NOT IN CONTRACT	STIA	SEA-TAC INTERNATIONAL AIRPORT	#	NUMBER
DBC	DIRECT BURIAL CABLE	HEX	HEXAGONAL	NO	NORMALLY OPEN	STM	STEAM	%	PERCENT
DC	DIRECT CURRENT	HF	H-FRAME	NO.	NUMBER	STR	STRUCTURAL	%Z	PERCENT IMPEDANCE
DDC	DIRECT DIGITAL CONTROL	HH	HANDHOLE	NPP	NON-PERFORATED PIPE	SUB	SUBSTITUTION	Ø	PHASE
DED	DEDICATED	HID	HIGH INTENSITY DISCHARGE	NTS	NOT TO SCALE	SUBSTA	SUBSTATION		
DET	DETAIL	HK	HOOK	N-S	NORTH-SOUTH	SUPT	SUPPORT		
DIA	DIAMETER	HMI	HUMAN-MACHINE INTERFACE	OC	ON CENTER	SV	SOLENOID VALVE, SWITCH VAULT		
DIFF	DIFFERENTIAL	HOA	HAND-OFF-AUTO	OD	OUTSIDE DIAMETER/DIMENSION	SVC	SERVICE		
DIM	DIMENSION	HORIZ	HORIZONTAL	OL	OVERHEAD WIRE	STR	STRUCTURAL		
DIP	DUCTILE IRON PIPE	HP	HORSEPOWER	OP	OPERATED	SURF	SURFACE		
DISC	DISCONNECT	HPS	HIGH PRESSURE SODIUM	OPP	OPPOSITE	SW	SWITCH		
DISTR	DISTRIBUTION	HTR	HEATER	OPER	OPERATOR	SWBD	SWITCHBOARD		
		HV	HIGH VOLTAGE						
		HZ	HERTZ						
CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555									

PLAN

SUBTITLE  
SUBTITLE  
SCALE

PLAN

SUBTITLE  
SUBTITLE  
SCALE

REFERENCE SYMBOLS NOT  
REQUIRED FOR PLAN VIEWS

SECTION

SUBTITLE  
SUBTITLE  
SCALE

SECTION NUMBER

1 1 1  
COX COX COX

SHEET SECTION IS  
TAKEN FROM

MULTIPLE  
REFERENCES

DETAIL

SUBTITLE  
SUBTITLE  
SCALE

DETAIL NUMBER

1 1 1  
COX COX COX

SHEET WHERE  
DETAIL IS FROM

MULTIPLE  
REFERENCES

ELEVATION

SUBTITLE  
SUBTITLE  
SCALE

ELEVATION NUMBER

1 1 1  
COX COX COX

SHEET WHERE  
ELEVATION IS FROM

MULTIPLE  
REFERENCES

IMAGE

SUBTITLE  
SUBTITLE  
SCALE

IMAGE NUMBER

1  
COX

SHEET WHERE  
IMAGE IS FROM

REFERENCE SYMBOL

SECTION NUMBER

1  
COX

SHEET WHERE  
SECTION IS SHOWN

DETAIL NUMBER

1  
COX

SHEET WHERE  
DETAIL IS SHOWN

ELEVATION NUMBER

1  
COX

SHEET WHERE  
ELEVATION IS SHOWN

IMAGE NUMBER

1  
COX

SHEET WHERE  
IMAGE IS SHOWN

\*CONSULTANT'S LOGO

PROJECT ENGR./ARCH:

DESIGNER:

DRAWN BY:

SCALE:

DATE:

CHECKED BY:

CHECKED/APPROVED BY:

NO.

DATE

BY

DESCRIPTION

APP'D

NO.

DATE

BY

DESCRIPTION

APP'D

PROJECT MANAGER:

PROJECT ENGINEER:

DESIGN ENGINEER:

DRAFTER:

SCALE:

DATE:

CHECKED/APPROVED BY:

Port of Seattle

SEA-TAC INTERNATIONAL AIRPORT

PROJECT: F&I STANDARD DETAILS

SHEET TITLE: STANDARD ABBREVIATIONS AND REFERENCE SYMBOLS

WORK PROJECT NO.

CONSULTANT'S NO.

PORT OF SEATTLE NO.

G02