

ANNEX 1








ELECTRICITY - ALARM



LAYER	DESCRIPTIONS	BLOCKS	SYMBOLS
ELALAR	CARBON MONOXYDE ALARM PANEL	ELALO1EL	
ELALAR	MISCELLANEOUS IDENTIFIED ALARMS PANEL x-ident.	ELALO2EL	
ELALAR	HALON TANK	ELALO3EL	
ELALAR	ALARM BELL (GONG) x= #equipment	ELALO4EL	
ELALAR	IONISATION DETECTOR x= #equipment	ELALO5EL	
ELALAR	FLAME DETECTOR x= #equipment	ELALO7EL	
ELALAR	IONIZATION SMOKE DETECTOR IN VENTILATION DUCTWORK	ELALO8EL	
ELALAR	PHOTO-ELECTRIC DETECTOR x= #equipment	ELALO9EL	
ELALAR	THERMAL DETECTOR RATED AT 135F x= #equipment	ELALI0EL	
ELALAR	THERMAL DETECTOR RATED AT 190F x= #équipement	ELALI1EL	
ELALAR	PRESSURE SWITCH (IP)	ELALI2EL	
ELALAR	FIRE ALARM AIR HORN x= #equipment	ELALI3EL	
ELALAR	STROBE LIGHT ALARM x= #equipment	ELALI4EL	
ELALAR	STROBE HORNS x=#equipment	ELALI7EL	
ELALAR	WARNING LIGHT (1 DETECTOR) x= #equipment	ELALI5EL	
ELALAR	WARNING LIGHT (4 DETECTORS)	ELALI6EL	
ELALAR	FIRE ALARM PANEL	ELALI8EL	
ELALAR	FIRE HALON PANEL	ELALI9EL	
ELALAR	LINE TERMINATION RESISTOR x= #equipment	ELAL20EL	
ELALAR	MANUAL PULL STATION x= #equipment	ELAL21EL	
ELALAR	MANUAL PULL STATION (HALON ABORT)x= #equipment	ELAL22EL	
ELALAR	MANUAL PULL STATION (HALON) x= #equipment	ELAL23EL	
ELALAR	EMERGENCY TELEPHONE (U)	ELAL24EL	
ELALAR	BEAM DETECTOR	ELAL25EL	
ELALAR	LASER DETECTOR	ELAL26EL	

















ELECTRICITY - SERVICE POLE



LAYERS	DESCRIPTIONS	BLOCKS	SYMBOLS
ELSERV	W/ 2 ELEC. OUTLETS AND TELEPHONE OUTLET	col2out_teltype	
ELSERV	W/ 4 ELEC. OUTLETS AND TELEPHONE OUTLET	col4out_teltype	
ELSERV	W/ 6 ELEC. OUTLETS AND TELEPHONE OUTLET	col6out_teltype	
ELSERV	W/ 8 ELEC. OUTLETS AND TELEPHONE OUTLET	col8out_teltype	
ELSERV	W/ 0 OUTLET, EMPTY CONDUIT TO PULL WIRING	col0out_cabtype	




























ELECTRICITY - COMMUNICATION



LAYERS	DESCRIPTIONS	BLOCKS	SYMBOLS
ELCOMM	AMPLIFIER	ELCMO1EL	
ELCOMM	PUSH BUTTON	ELCMO2EL	
ELCOMM	ALARM BELL	ELCMO3EL	
ELCOMM	LOUD SPEAKER	ELCMO4EL	
ELCOMM	VOLUME CONTROL	ELCMO5EL	
ELCOMM	HORN	ELCMO6EL	
ELCOMM	SURFACE MOUNTED SPEAKER	ELCMO7EL	
ELCOMM	RECESSED SPEAKER	ELCMO8EL	
ELCOMM	MASTER CONTROL PANEL	ELCM10EL	
ELCOMM	SECONDARY CONTROL PANEL	ELCM11EL	
ELCOMM	DATA WALL OUTLET	ELCM12EL	
ELCOMM	DATA FLOOR OUTLET	ELCM13EL	
ELCOMM	MICROPHONE WALL OUTLET	ELCM14EL	
ELCOMM	MICROPHONE FLOOR OUTLET	ELCM15EL	
ELCOMM	TELEPHONE WALL OUTLET	ELCM16EL	
ELCOMM	TELEPHONE FLOOR OUTLET	ELCM17EL	







ELECTRICITY - CONTROLS



LAYERS	DESCRIPTIONS	BLOCKS	SYMBOLS
ELCONT	BRACE ATTACHMENT ACCESSORY	ELCT01EL	
ELCONT	MAGNETIC STARTER COIL	ELCT02EL	
ELCONT	RELAY #1 COIL	ELCT03EL	
ELCONT	TIME-DELAY RELAY COIL	ELCT04EL	
ELCONT	TERMINAL BOARD x= #terminal	ELCT06EL	
ELCONT	TERMINAL W/ BRIDGING	ELCT07EL	
ELCONT	TERMINAL SPACE	ELCT08EL	
ELCONT	CUT-OFF SWITCH	ELCT09EL	
ELCONT	MUSHROOM TYPE BUTTON	ELCT10EL	
ELCONT	HOLDING CONTACT PUSH BUTTON	ELCT11EL	
ELCONT	CONTACT N.O. N.C.	ELCT12EL	
ELCONT	CONTACT #1, RELAY #1	ELCT13EL	
ELCONT	CONTACT #2 TIMER N.C.	ELCT14EL	
ELCONT	CONTACT #1 TIMER N.C.	ELCT15EL	
ELCONT	CONTACT #2, RELAY #1 NO	ELCT16EL	
ELCONT	CONTACT #1, TIME LAG RELAY #1, (WHEN POWERING UP)	ELCT17EL	
ELCONT	CONTACT #2, TIME LAG RELAY #1, (WHEN POWERING UP)	ELCT18EL	
ELCONT	CONTACT #3, TIME LAG RELAY #1, (WHEN POWERING UP)	ELCT19EL	
ELCONT	CONTACT #4, TIME LAG RELAY #1, (UPON POWERING UP)	ELCT20EL	
ELCONT	AUXILIARY CONTACT N.O. OF MAGNETIC STARTER M-1	ELCT21EL	
ELCONT	AUXILIARY CONTACT #2 N.C. OF MAGNETIC STARTER M-1	ELCT22EL	
ELCONT	OVERLOAD CONTACT	ELCT23EL	
ELCONT	CONTACT SWITCH	ELCT24EL	
ELCONT	N.C. CONTACT, AUXILIARY OF TIME LAG RELAY #1	ELCT26EL	
ELCONT	N.O. CONTACT, AUXILIARY OF TIME LAG RELAY #1	ELCT28EL	
ELCONT	MANUAL STARTER W/ OVERLOAD RELAY	ELCT29EL	
ELCONT	BREAKER	ELCT30EL	


























ELECTRICITY - DISTRIBUTION



LAYERS	DESCRIPTIONS	BLOCKS	SYMBOLS
ELSERV	CONNECTION BOX,MOBILE GENERATOR	ELSR01EL	
ELSERV	RELAY BOX	ELSR02EL	
ELSERV	DISTRIBUTION PANEL	ELSR03EL	
ELSERV	PUSH BUTTON	ELSR04EL	
ELSERV	CONTACTOR $x = \#cumulativ, (ex:c-1)$ $y = (ex:30A)$	ELSR06EL	
ELSERV	COMBINED STARTER $x = (ex:30A/F-15A)$	ELSR07EL	
ELSERV	MAGNETIC STARTER $x = (ex:30A)$	ELSR08EL	
ELSERV	MANUAL STARTER $x = (ex:30A)$	ELSR09EL	
ELSERV	HUMIDIFIER $x = (ex:6.8Kw)$	ELSR11EL	
ELSERV	SWITCH $x = (ex:30A/F15A)$	ELSR12EL	
ELSERV	UTILITY METER EXTERIOR	ELSR13EL	
ELSERV	UTILITY METER INTERIOR	ELSR14EL	
ELSERV	SINGLE PHASE MOTOR $x=Hp$ $y = \#equipement$	ELSR15EL	
ELSERV	3-PHASE MOTOR $x=Hp$ $y = \#equipement$	ELSR16EL	
ELSERV	MOTORIZED SHUTTER MOTOR	ELSR17EL	
ELSERV	SURFACE MOUNTED POWER PANEL $x = \#panel$	ELSR18EL	
ELSERV	RECESSED SERVICE PANEL $x = \#panel$	ELSR19EL	
ELSERV	SURFACE MOUNTED PANEL $x = \#panel$	ELSR20EL	
ELSERV	RECESSED POWER PANEL $x = \#panel$	ELSR21EL	
ELSERV	MODULAR SERVICE PANEL $x = KVA$	ELSR22EL	
ELSERV	CONNECTION POLE	ELSR23EL	
ELSERV	BREAKER $x = 30A$	ELSR38EL	
ELSERV	DRY TRANSFORMER $x=KVA$	ELSR39EL	

ELECTRICITY - LIGHTING



LAYERS	DESCRIPTIONS	BLOCKS	SYMBOLS
ELLIGH	PHOTO-ELECTRIC CELL x= #circuit	ELECO1EL	
ELLIGH	DIMMER x=switch	ELECO2EL	
ELLIGH	3 WAY SWITCH x=switch	ELECO3EL	
ELLIGH	4 WAY SWITCH x=switch	ELECO4EL	
ELLIGH	KEY OPERATED SWITCH x=switch	ELECO5EL	
ELLIGH	LOW VOLTAGE SWITCH x=switch	ELECO6EL	
ELLIGH	MANUAL TIMER SWITCH x=switch	ELECO7EL	
ELLIGH	SINGLE-POLE SWITCH W/INDICATOR LIGHT x=switch	ELECO8EL	
ELLIGH	DOOR FRAME SINGLE-POLE SWITCH x=switch	ELECO9EL	
ELLIGH	SINGLE-POLE SWITCH x=switch	ELEC10EL	
ELLIGH	FLUORES.LIGHT FIXTURE 1X4 x=#circ. + comm. Y=type	ELEC11EL	
ELLIGH	FLUORES.LIGHT FIXTURE 1X4 SURFACE x=#circ. + comm. Y=type	ELEC12EL	
ELLIGH	FLUORES.LIGHT FIXTURE 2X2 x=#circ. + comm. Y=type	ELEC13EL	
ELLIGH	FLUORES.LIGHT FIXTURE 2X4 x=#circ. + comm. Y=type	ELEC14EL	
ELLIGH	FLUORES. STRIP LIGHTING x=#circ. + comm. Y=type	ELEC15EL	
ELLIGH	FLUO.STRIP LIGHTING (MOUNTED) x=#circ. + comm. Y=type	ELEC16EL	
ELLIGH	METAL HALOID LIGHT FIXTURE x=#circ. + comm. Y=type	ELEC17EL	
ELLIGH	SURFACE MOUNTED METAL HALOID LIGHT FIXTURE x=#circ. + comm. Y=type	ELEC18EL	
ELLIGH	INCANDESCENT EXIT LIGHT FIXTURE x=#circuit Y=type	ELEC19EL	
ELLIGH	SURFACE MOUNTED INCANDESCENT EXIT LIGHT FIXTURE x=#circ. Y=type	ELEC20EL	
ELLIGH	INCANDESCENT EMERGENCY LIGHT FIXTURE x=#circuit Y=type	ELEC21EL	
ELLIGH	SURFACE MOUNTED INCANDESCENT EMERGENCY LIGHT FIXTURE x=#circ. Y=type	ELEC22EL	
ELLIGH	RECESSED INCANDESCENT EMERGENCY LIGHT FIXTURE x=#circ. Y=type	ELEC23EL	
ELLIGH	DOUBLE-HEAD 12V INCANDESCENT EMERGENCY LIGHT FIXTURE	ELEC24EL	
ELLIGH	SINGLE-HEAD 12V INCANDESCENT EMERGENCY LIGHT FIXTURE	ELEC25EL	
ELLIGH	SURFACE MOUNTED INCANDESCENT LIGHT FIXTURE x=#circ. + comm. Y=type	ELEC26EL	

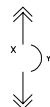
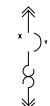
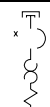

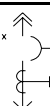
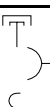
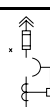
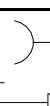









ELECTRICITY - SINGLE LINE (CONT.)



LAYERS	DESCRIPTIONS	BLOCKS	SYMBOLS
ELUNIL	BATTERY	ELUNO1EL	
ELUNIL	COIL	ELUNO2EL	
ELUNIL	MOBILE GENERATOR SPLICE BOX	ELUNO3EL	
ELUNIL	SWITCH GATE CABINET	ELUNO4EL	
ELUNIL	NON-MAGNETIC TRANSDUCER	ELUNO5EL	
ELUNIL	JUMPER	ELUNO6EL	
ELUNIL	AUTOMATIC TRANSFER & SECTIONING SWITCH SHUNT x=Amp,poles (ex:400A,3P)	ELUNO7EL	
ELUNIL	AUTOMATIC TRANSFER SWITCH x=Amp,poles	ELUNO8EL	
ELUNIL	MANUAL TRANSFER SWITCH x=Amp,poles	ELUNO9EL	
ELUNIL	VOLTAGE LOSS COMPENSATOR	ELUN10EL	
ELUNIL	QUADRUPLE MAGNETIC CONTACT	ELUN12EL	
ELUNIL	SINGLE MAGNETIC CONTACT x=Amp.	ELUN13EL	
ELUNIL	COMBINED DISCONNECTED SWITCH W/ CONTACTOR x=Amp.	ELUN14EL	
ELUNIL	CUT-OUT x=Amp. for protection	ELUN16EL	
ELUNIL	DETACHABLE W/ OPEN FRAME	ELUN17EL	
ELUNIL	DETACHABLE W/O OPEN FRAME	ELUN18EL	
ELUNIL	DELTA	ELUN19EL	
ELUNIL	COMBINED MAGNETIC STARTER(disconnect switch w/o fuse) x=Amp.	ELUN20EL	
ELUNIL	COMBINED MAGNETIC STARTER(disconnect switch w/ fuse) x=Amp.	ELUN21EL	
ELUNIL	THERMAL MAGNETIC STARTER W/ ELECTRIC RELAY x=Amp.	ELUN22EL	
ELUNIL	MANUAL STARTER x=Amp.	ELUN23EL	

ELECTRICITY - SINGLE LINE (CONT.)



LAYERS	DESCRIPTIONS	BLOCKS	SYMBOLS
ELUNIL	DETACHABLE BREAKER WITH FRAME x=Amp. Y=breaker name	ELUN24EL	
ELUNIL	DETACHABLE MAGNETIC BREAKER W/ FRAME x=Amp. Y=breaker name	ELUN25EL	
ELUNIL	DETACHABLE THERMAL MAGNETIC BREAKER W/FRAME x=Amp. Y=breaker name	ELUN26EL	
ELUNIL	SIMPLE THERMAL MAGNETIC BREAKER x=Amp. Y=breaker name	ELUN27EL	
ELUNIL	DETACHABLE BREAKER RELAY W/ FRAME x=Adjustment Amp. Y=breaker name	ELUN28EL	
ELUNIL	DETACHABLE BREAKER RELAY W/O FRAME x=Adjustment Amp. Y=breaker name	ELUN29EL	
ELUNIL	DETACHABLE FUSIBLE BREAKER RELAY W/ FRAME x=Adjustment Amp. Y=breaker name	ELUN30EL	
ELUNIL	SIMPLE RELAY BREAKER x=Amp. d'ajustement Y=breaker name	ELUN31EL	
ELUNIL	SIMPLE BREAKER x=Adjustment Amp. Y=breaker name	ELUN32EL	
ELUNIL	SEMI-DETACHABLE SIMPLE BREAKER x=Adjustment Amp. Y=breaker name	ELUN33EL	
ELUNIL	"Y" TYPE	ELUN34EL	
ELUNIL	"Y" TYPE W/ RESISTOR	ELUN35EL	
ELUNIL	FILTRE	ELUN36EL	
ELUNIL	DETACHABLE FUSE W/ FRAME x=Amp.	ELUN37EL	
ELUNIL	SINGLE FUSE x=Amp.	ELUN38EL	
ELUNIL	DIESEL GENERATOR UNIT x=group name	ELUN39EL	
ELUNIL	NON STOP GENERATOR UNIT x=group name	ELUN40EL	

ELECTRICITY - SINGLE LINE (CONT.)



LAYERS	DESCRIPTIONS	BLOCKS	SYMBOLS
ELUNIL	TURBINE GENERATOR UNIT $x = \text{group name}$	ELUN41EL	
ELUNIL	DETACHABLE STATIC SWITCH W/FRAME $x = \text{Amp.}$	ELUN42EL	
ELUNIL	SIMPLE STATIC SWITCH $x = \text{Amp.}$	ELUN43EL	
ELUNIL	SWITCH $x = \text{Amp. for protection}$	ELUN44EL	
ELUNIL	AC AMMETER $x = \text{transformation ratio}$	ELUN45EL	
ELUNIL	CC AMMETER $x = \text{transformation ratio}$	ELUN46EL	
ELUNIL	AMMETER / FREQUENCY INDICATOR	ELUN47EL	
ELUNIL	POWER CONSUMPTION METER	ELUN48EL	
ELUNIL	ELECTRONIC POWER MEASUREMENT METER	ELUN49EL	
ELUNIL	FREQUENCY METER	ELUN50EL	
ELUNIL	HYDRO-QUÉBEC METER	ELUN51EL	
ELUNIL	DIGITAL MULTIMETER METER	ELUN52EL	
ELUNIL	SYNCHROSCOPE METER, KILOWATTMETER	ELUN53EL	
ELUNIL	AC VOLTMETER $x = \text{transformation ratio}$	ELUN54EL	
ELUNIL	CC VOLTMETER $x = \text{transformation ratio}$	ELUN55EL	
ELUNIL	VOLTMETER/FREQUENCY METER $x = \text{transformation ratio}$	ELUN56EL	
ELUNIL	WATTERMETER METER (E-METER)	ELUN57EL	
ELUNIL	GROUND	ELUN58EL	
ELUNIL	GROUND WITH RESISTOR	ELUN59EL	
ELUNIL	GENERATOR MOTOR $x = \text{equipment \#}$	ELUN60EL	
ELUNIL	SINGLE PHASE MOTOR $x = \text{equipment \#}$	ELUN61EL	
ELUNIL	SYNCHRONIZED INTERLOCKED MOTOR $x = \text{HP } y = \text{equipment \#}$	ELUN62EL	
ELUNIL	INTERLOCKED MOTOR $x = \text{HP } y = \text{equipment \#}$	ELUN63EL	
ELUNIL	INVERTER	ELUN64EL	
ELUNIL	PANEL $x = \text{nom du panneau}$	ELUN65EL	
ELUNIL	SURGE DIVERTOR	ELUN66EL	

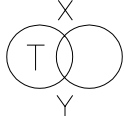
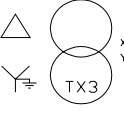
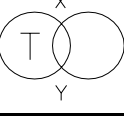











ELECTRICITY - SINGLE LINE (CONT.)



LAYERS	DESCRIPTIONS	BLOCKS	SYMBOLS
ELUNIL	POWER INPUT	ELUN67EL	
ELUNIL	POWER OUTPUT	ELUN68EL	
ELUNIL	RECTIFIER	ELUN69EL	
ELUNIL	PROTECTIVE RELAY	ELUN70EL	
ELUNIL	DISCONNECT SWITCH	ELUN71EL	
ELUNIL	SPLIT FEED DISCONNECTING SWITCH $x = \text{Prot. Amp.}$	ELUN72EL	
ELUNIL	ON LOAD DISCONNECT SWITCH $x = \text{Amp.}$	ELUN74EL	
ELUNIL	DIRECTION OF ROTATION OF THE PHASES TOWARDS THE LEFT	ELUN75EL	
ELUNIL	DIRECTION OF ROTATION OF THE PHASES TOWARDS THE RIGHT	ELUN76EL	
ELUNIL	SEPAM	ELUN77EL	
ELUNIL	HYDRO-QUÉBEC'S LOGO	ELUN78EL	
ELUNIL	AUTOMATIC SYNCHRONIZATION SYSTEM	ELUN79EL	
ELUNIL	PERMANENT POWER FEED SYSTEM	ELUN80EL	
ELUNIL	MACHINE DIAGNOSTIC SYSTEM	ELUN81EL	
ELUNIL	MULTIPOINT SUPERVISORY SYSTEM	ELUN82EL	
ELUNIL	PARALLELING PANEL	ELUN83EL	
ELUNIL	HOMOPOLAR RING	ELUN84EL	
ELUNIL	TRANSFORMER $x = \text{KVA}$ $y = \text{VOLTsprim} - \text{VOLTseec}$	ELUN85EL	
ELUNIL	CONTROL TRANSFORMER	ELUN86EL	

ELECTRICITY - SINGLE LINE (CONT.)



LAYERS	DESCRIPTIONS	BLOCKS	SYMBOLS
ELUNIL	LOW VOLTAGE POWER TRANSFORMER $x=KVA$ $y=VOLT_{sprim}-VOLT_{seec}$	ELUN87EL	
ELUNIL	HIGH VOLTAGE POWER TRANSFORMER $x=KVA$ $y=VOLT_{sprim}-VOLT_{seec}$	ELUN88EL	
ELUNIL	MEDIUM VOLTAGE POWER TRANSFORMER $x=KVA$ $y=VOLT_{sprim}-VOLT_{seec}$	ELUN89EL	
ELUNIL	VOLTAGE TRANSFORMER $x=KVA$ $y=VOLT_{sprim}-VOLT_{seec}$	ELUN90EL	
ELUNIL	CURRENT TRANSFORMER	ELUN91EL	
ELUNIL	KEYED LOCKING DEVICE $x=$ Key #	ELUN92EL	
ELUNIL	DOWNWARDS KEY LOCKING DEVICE $x=$ Key #	ELUN93EL	
ELUNIL	UPWARDS KEY LOCKING DEVICE $x=$ Key #	ELUN94EL	
ELUNIL	LOGICAL CONTROL LOCKING DEVICE $x=$ Key #	ELUN95EL	
ELUNIL	DOWNWARDS LOGICAL CONTROL LOCKING DEVICE $x=$ Key #	ELUN96EL	
ELUNIL	UPWARDS LOGICAL CONTROL LOCKING DEVICE $x=$ Key #	ELUN97EL	
ELUNIL	DOWNWARDS ELECTRIC LOCKING DEVICE $x=$ Key #	ELUN98EL	
ELUNIL	UPWARDS ELECTRIC LOCKING DEVICE $x=$ Key #	ELUN99EL	
ELUNIL	ELECTRIC LOCKING DEVICE $x=$ Key #	ELUN100EL	
ELUNIL	DOWNWARDS CHRONO. SELECTIVITY LOCKING DEVICE $x=$ Key #	ELUN101EL	