

INSIDE WIREMAN

EXPLANATION OF WORK PROCESSES

WORK PROCESS		EXPLANATION
A	PROJECT LAYOUT AND PLANNING	Reading & interpreting blueprints and specifications/ Coordination between crafts, engineers & architects / Layout feeders, risers & branch circuits
B	UNDERGROUND INSTALLATIONS	Trenching and ditch digging Direct burial / Installing PVC rigid conduit/ Installing grounding electrode systems
C	THINWALL CONDUIT RACEWAY SYSTEMS	Fastening & supporting devices/ Conduit fabrication / Installation of conduit, fittings & boxes.
D	RIGID CONDUIT RACEWAY SYSTEMS	Fastening & supporting devices Bender setup / Conduit fabrication / Installation of conduit, fittings and boxes
E	INSTALLING SERVICES	Mounting devices / Installing circuit breakers and fuses / Terminations
F	FLOOR DUCT INSTALLATION	Transit-grade establishment/ Installing duct & fittings/ Core drilling and outlet installation.
G	MOTOR CONTROL CENTER INSTALLATION	Rigging & mounting/ Terminating feeders, branch circuits & control wiring.
H	INSTALLING. SPLICING & TERMINATING WIRES & CABLES	Establishing temporary power Feeders & branch circuits Control wiring Splices, taps & terminations.
I	CABLE TRAY INSTALLATION	Fabrication Installing support devices / Installing cable tray and covers
J	LIGHTING SYSTEM INSTALLATION	Installing outlet boxes & conductors/ Installing fixtures Installing control devices.
K	TESTING & TROUBLESHOOTING FEEDERS, MOTORS & BRANCH CIRCUITS	Checkout circuit continuity/ Identifying fault current to ground Meggering and hi-potting/ Certifying system operation Repair & maintenance Ground verification.
L	FIRE ALARM INSTALLATION	Blueprint & specification interpretation / Layout & circuit installation Control panel & device installation Programming & testing.
M	MOTOR INSTALLATION	Rigging and setting/Alignment/ Circuiting and terminations/Testing
N	CONTROL SYSTEM INSTALLATION	Blueprint & specification interpretation /Layout & circuit installation/Distributed control
O	INSTALLING & PROGRAMMING PROGRAMMABLE LOGIC CONTROLLERS	Module installation/Control wiring and devices/ Programming

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P	INSTALLING INSTRUMENTATION & PROCESS CONTROL SYSTEMS	Blueprint & specification interpretation Layout & installation /Calibration
Q	SECURITY SYSTEM INSTALLATION	Blueprint & specification interpretation/ Layout/Box & circuit installation/ Terminations & testing
R	INSTALLING SOUND & COMMUNICATIONS SYSTEMS	Blueprint & specification interpretation/ Layout/ Conduit & box installation/Installing panels & network devices/Circuit installation/Terminations & testing
S	INSTALLING & TERMINATING TRANSFORMERS	Rigging & Mounting/Primary & secondary terminations/Testing & troubleshooting
T	INSTALLING FIBER OPTIC CABLE	Equipment layout/ Installing cable/Polishing & terminating/Testing & verifying
U	WELDING & BRAZING	Machine setup/Fabrication/ Welding, grinding & finishing
V	SERVICE & TROUBLESHOOTING	Testing, analysis & repair of motors, transformers, electrical devices, electronic devices, magnetic devices, lighting & paver circuits, equipment & machinery, control circuits & devices
W	MATERIAL HANDLING & PRE-FABRICATION	Material-equipment awareness Fabricating for field installation
X	OTHER WORK TYPE (Specify in 'Apprentice Comments')	Account for job hours that do not fit into another category. For example, warehouse, etc. In the 'Apprentice Comments', please specify the type of work. >> DO NOT PUT SCHOOL HOURS HERE
AA	SCHOOL	Enter school hours here
BB	LAI D OFF (Specify in 'Apprentice Comments')	If you are laid off due to lack of work or COVID, enter time here.
CC	TIME OFF (Specify in 'Apprentice Comments')	Add hours here for time off, which could include personal days, holidays, or illness. >> NOTE: If due to COVID – use the 'P. LAID OFF' category.