

PHYSICAL DEMANDS

Job Title: Electrician A, B and General Maintenance					Position #: 000611, 000612, 000756
Hours: 40		Breaks: 1 x 30 min + 1 x15 min		Overtime: Approximately 20-30 hours per year	
Equipment: Ladders, lifts, powered and manual hand tools, tool bag, protective gear.					
Work Environment: 80% inside & 20% outside. Often working from heights				Special Requirements: State & College Drivers License	
TASK	R	O	F	C	DESCRIPTION
Lift (lbs)	100		20-40		Lift up to 100 lbs when lifting an event cable. *Lifting of 100 lb emergency batteries from mid shin level to the floor; * 30 lb spool of wire from 6 ft 8" high shelf; *ladders 30ft long weighing 80 lbs (2-person), *20 ft step ladder weighing 50 lbs (1 person). *Tool boxes weigh 15lbs-30 lbs .
Carry (lbs)		50			* 50 lb 20 ft step ladder (1 person), * 80 lb 30 ft extension ladder (2 person), * 15 - 30 lb tool boxes between worksites on a daily basis. * 50 lb batteries.
Push (lbs)	100				* 100 lbs to push "Genie Lift" up ramp outside of indoor tennis courts. * 90 lbs to push "Genie Lift" over floor transition inside basketball arena.
Pull (lbs)	90				* 90 lbs of force needed to pull "Genie Lift" over floor transition inside basketball arena. * 80 lbs to pull/drag a coil of event cable. * 80 lbs of force to pull cart loaded with 4 spools of wire up stairs.
Sit		X			At break time, to drive to worksites and at times when performing work tasks.
Stand/Walk				X	*Throughout the work day. Mostly indoors (concrete, wood, rubber, vinyl and carpet). Occasionally outdoors in seasonal conditions (grass, concrete and gravel). Often standing in one position for extended periods of time. Limited ability to sit in some instances.
Bend/Squat			X		*When working on tasks that are below waist level for fairly brief periods of time.
Crouch/Kneel			X		*When working on tasks that are below knee level for that may take a few minutes.
Twist/Turn			X		*When working in tight spaces.
Crawl	X				*Crawl spaces to work from.
Climb			X		*Stairs and ladders. Often while carrying tools and equipment. Sometimes carrying with two hands while climbing stairs. Occasionally working from ladders outside.
Reach				X	*Estimated 30% of work is performed overhead. A significant amount of this can be while working with two hands from a ladder.
Handle			X		*Working with hand tools, pulling wire, climbing ladders.
Finger				X	*Working with wires, nuts and bolts.
Balance			X		*Working from up to 30 ft ladders and on occasions without hand support. *Working from hoists up to 60 ft high. *Climbing stairs while carrying objects. *Working on wet floors occasionally and walking across wet grass, snow and ice at times.
Senses			X		*Good hand sensation and vision. Able to distinguish colors.

Rare (R)	1 - 10%	1 – 5 min/hr	<1 hr/day
Occasional (O)	11 - 33%	6 - 20 min/hr	1 - 2 ½ hr/day
Frequent (F)	34 - 66%	21 - 40 min/hr	2 ½ - 5 ½ hr/day
Constant (C)	67 - 100%	41 - 60 min/hr	> 5 ½ hr/day

*Denotes Essential Function

Evaluator: Mark Coleman, OTR/L

Updated: 08/09/17