PHYSICAL DEMANDS DESCRIPTION (PDD)

Date	August 22,	2006						Ar	nalyst Je	ennifer Yorke B. Sc. (Hons Kin)
		- Conduit & Unistrut	Install	ation	J	ob Tit	le Elec		<u> </u>	Company Urban Electric
			Not Component	*FREQUENCY				LOAD (object/tool)		
	PHYSICAL DEMANDS			Seldom	Minor	Required	Major	Maximum (Kg)	Usual (Kg)	COMMENTS
H	Lifting					X			5	Materials handling of unistrut, conduit
	Carrying				X				5	Carrying unistrut, electric hand saw, tool belt
	Pushing				X					Pushing unistrut or conduit into place
	Pulling				X					Pulling unistrut or conduit into place
5	Handling						X		5	Materials & tools handling
STRENGTH	Throwing			X				>1	>1	Tossing a fixture to a worker on the elevated lift (approx. 8' from ground)
$\mathbf{S}\mathbf{I}$	Gripping	Power Grasp			X					Using electric hand saw, bending conduit
		Pinch Grasp			X					Picking up connectors & clamps
	Reaching	Above Shoulder					X			Installing unistrut and conduit
		Below Shoulder			X					Picking materials up off the floor of the lift
		To the Side				X				Installing unistrut
POSTURES	Shoulder	Abduction				X		Overhead work in an awkward position		
		Flexion					X	Overhead work		
	Hip	Abduction	X							
		Flexion/Extension		X						
	Wrist	Radial/Ulnar Devn			X			Bolting fixture to unistrut		
		Pronate/Supinate			X			Bolting fixture to unistrut		
15		Flexion				X		Ducking under preexisting framing on ceiling		
\mathbf{S}	Trunk	Extension			X			Overhead work in an awkward position		
2		Side Bend			X			Overhead work in an awkward position		
		Twist			X			Overhead work in an awkward position		
	Neck	Flexion		X				Reading blueprints, driving elevated lift platform		
		Extension					X	Overhead work		
		Side Bend		X				Overhead work in an awkward position		
		Twist			X			Overhead work in an awkward position		
	Sitting		X							
MOBILITY	Standing						X			
	Walking				X			Walking on elevated lift platform, gathering materials		
	Climbing				X			Climbing on to elevated lift platform		
	Crawling		X							
	Crouching			X				Cutting	unistrut	
	Kneeling			X						
	Balancing				X			Balancing on moving elevated lift platform		
	Foot	One Foot		X				Climbing ladder into elevated lift platform		
	Action	Feet					X	Standing on elevated lift platform		
	Fine Finger	Movements			X			Inserting	g clamps i	nto unistrut, bolting fixture to unistrut

 $SELDOM = Not \ always \ performed \ during \ completion \ of \ job \\ MINOR = Performed \ less \ than \ 25\% \ of \ job$

REQUIRED = Frequent Repetition for 25%-50% of job MAJOR = Frequent Repetition for more than 50% of job

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PHYSICAL DEMANDS			Not Component	*FREQUENCY				
				Seldom	Minor	Required	Major	COMMENTS
	Hearing	Conversations				X		Communicating with partner regarding task at hand
	C	Other Sounds		X				Potential emergency calls and alarms
ΑI	Vision	Far				X		Seeing past 5 feet; identifying a path for the lift to follow
SENSORY/PERCEPTUAL		Near					Х	Installing unistrut and conduit
		Colour		X				Reading blueprints
Ş		Depth				Х		Determining the amount of offset needed in the conduit
Ē	Perception	Spatial – organization				X		Layout of conduit
7/F		Form - recognition				X		Identifying different sizes of conduit; different connectors
3	Feeling	1				X		Tightening bolts, inserting clamps into the unistrut
\mathbf{s}	Reading				Х			Reading blueprints
Ä	Writing				X			Marking out the layout
\mathbf{S}	Keying/Typing		Х					
	Speech		71			X		Communicating with partner to complete layout
	Outside Work			X		A		Most work is completed under building cover
	Hot			А	Х			Average max. temp. (for the GTA) in July is 29C. Work
	1101				Λ.			continues during hot weather
	Cold				X			Work continues during the winter months – extreme cold limits ability to work
	Humid				X			Usually the weather is humid during the summer months – work continues during humid weather
Ę	Dry						X	Work is completed in an unfinished building (no doors or windows)
Œ	Dust						Х	Construction site
Ź	Vapour Fumes						Х	Elevated lift platform generator
0	Noise						Х	Construction equipment, alarm from lift platform
MI.	Vibration	Whole Body		X				Standing on the platform of the lift while its moving
WORK ENVIRONMENT		Upper Extremity		X				Using electric hand saw
K E	Contact Stress			X				Cutting unistrut with electric hand saw
N N	Striking with Hand/Fist		Х					Striking is accomplished with hand tools
WC	Moving Objects						Х	Elevated lift platform
	Hazardous Machines						Х	Electric hand saw, elevated lift platform
	Electrical			X				Electric hand saw, elevated lift platform
	Sharp Tools			X				Electric hand saw
	Radiant/Thermal Energy		Х					
	Slippery			X				Muddy terrain if it rains
	Congested Worksite					X		Machinery, building supplies, uneven terrain
	Chemical Irritants		х					- **
	Works Independent but in Group						X	Work is completed individually once the layout is complete
SN	Operate Equipment/Machinery					X		Elevated lift platform, electric hand saw
011	Machine Paced						Х	Elevated lift platform
CONDITIONS	Production Quotas					X		Must complete work in a certain cycle of time to remain on schedule
C	Deadline Pressures						X	Must work to the contractor's predetermined schedule
	Irregular/Extended Hours			X				
	-				*FRF	QUEN	ICY	

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Conduit / Pipe Work ICI











