

PHYSICAL DEMANDS DESCRIPTION (PDD)

Date December 18, 2006						Analyst Jennifer Yorke B. Sc. (Hons Kin)				
Department Communications				Job Title Electrician			Company Symtech			
PHYSICAL DEMANDS		Not Component	*FREQUENCY				LOAD (object/tool)		COMMENTS	
			Seldom	Minor	Required	Major	Maximum (Kg)	Usual (Kg)		
STRENGTH	Lifting			x			20	5	Lifting materials off floor; Loads above 23 Kg lifted by 2 workers	
	Carrying					x	20	5	Carrying boxes of wire; ladders	
	Pushing		x						Punching down	
	Pulling					x			Wire pulling	
	Handling					x			Materials handling (eg. wire pulling)	
	Throwing		x						Throwing fish line for pulling wire	
	Gripping	Power Grasp				x				Wire pulling
		Pinch Grasp				x				Inserting wire into punch panel
	Reaching	Above Shoulder				x				Overhead work
		Below Shoulder			x					Cabinet work, desk termination
To the Side			x						Awkward positions during overhead installations	
POSTURES	Shoulder	Abduction		x						
		Flexion					x		Overhead work; Wire pulling	
	Hip	Abduction		x						
		Wrist	Flexion/Extension			x				Punching down
			Radial/Ulnar Devn			x				
	Trunk	Pronate/Supinate		x						
		Flexion					x			Wire pulling; overhead work; cabinet work
		Extension				x				Wire pulling (overhead or ground work)
		Side Bend				x				Wire pulling (overhead or ground work)
	Neck	Twist				x				Wire pulling (overhead or ground work)
Flexion					x				Desk termination	
Extension					x	x			Wire pulling (overhead and ground work)	
Side Bend					x					
MOBILITY	Twist		x							
	Sitting		x						Work is performed standing, crouching or kneeling	
	Standing					x				
	Walking					x				
	Climbing					x			Climbing ladders	
	Crawling		x							
	Crouching			x					Desk termination	
	Kneeling			x					Desk termination	
	Balancing					x			Ladder use	
Foot Action	One Foot		x						Kneeling	
	Feet					x				
Fine Finger Movements					x			Selection & insertion of wire into plugs, punch panel		

*FREQUENCY

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				COMMENTS	
			Seldom	Minor	Required	Major		
SENSORY/PERCEPTUAL	Hearing	Conversations		x			During initial organization	
		Other Sounds		x			Sound of emergency alarms	
	Vision	Far			x		Past 5 feet; seeing potential obstacles, wire pulling	
		Near			x		Punching down, desk termination	
		Colour			x		Wire identification and punching down	
		Depth			x		Used in wire pulling and punching down	
	Perception	Spatial – organization			x		Determining wire length needed during layout	
		Form - recognition		x				
	Feeling					x		
	Reading			x			Continuously checking the blueprints to ensure accurate communications layout	
	Writing			x			Used to mark wires and boxes for communication layout	
	Keying/Typing	x						
Speech					x	Communicating when wire pulling and on work to be done		
WORK ENVIRONMENT	Outside Work	x			x		Indoor worksites	
	Hot	x					Indoor worksites (temperature regulated)	
	Cold	x					Indoor worksites (temperature regulated)	
	Humid	x					Indoor worksites (temperature regulated)	
	Dry					x	Indoor worksites	
	Dust				x		Drywall dust	
	Vapour Fumes		x				Paint, wall compound	
	Noise					x	Construction, drilling, sawing, hammering, etc.	
	Vibration	Whole Body	x					
		Upper Extremity	x					
	Contact Stress					x	Punching down, wire pulling, etc.	
	Striking with Hand/Fist	x					Striking is accomplished with hand tools (eg. Hammer)	
	Moving Objects			x				
	Hazardous Machines	x					Tools used are safe with proper protocol	
	Electrical				x			
	Sharp Tools			x			Punch down tools, tray edges	
	Radiant/Thermal Energy	x						
	Slippery	x					Indoor worksites	
Congested Worksite				x				
Chemical Irritants	x							
CONDITIONS	Works Independent but in Group					x	Work is primarily in groups of 2 or independently	
	Operate Equipment/Machinery		x				Hand tools are used (eg. punch down tool)	
	Machine Paced	x						
	Production Quotas					x	Work must be done in a specific timeframe	
	Deadline Pressures			x			Fairly quick, continuous work rate	
	Irregular/Extended Hours		x					
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Prepared by: Jennifer Yorke B. Sc. (Hon. Kin.)

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