

## PHYSICAL DEMANDS

<b>Job Title:</b> Plumber A, B & General Maintenance					<b>Position #:</b> 002096, 001170, 000755
<b>Hours:</b> 40		<b>Breaks:</b> 1 x 30 min, 1 x 15 min		<b>Overtime:</b> 8 hrs+/year & emergencies	
<b>Equipment:</b> Hand tools, power tools, ladders (step & extension) motorized lifts up to 75 feet, Gator & Vans					
<b>Work Environment:</b> 80% indoors 20% outdoors			<b>Special Requirements:</b> State & College Drivers License		
Task	R	O	F	C	Description
<b>Lift</b>	92		20		* <b>92 lb</b> toilet from the floor to mid-shin level with limited space; * <b>40 lb</b> salt bags from floor to 4 foot high; *21 foot length of 2" pipe ( <b>75 lbs</b> ) from floor to overhead (2 person); * <b>100 lb</b> water tank (2 person) on a rare basis; *20 ft step ladder ( <b>50 lbs</b> – 1 person), 30 ft extension ladder ( <b>80 lbs</b> – 2 person); *hammer drill & case ( <b>25 lbs</b> ) and *tool bag ( <b>20 lbs</b> ).
<b>Carry</b>		60	20		Carry * <b>60 lb</b> toilet bowl up several flights of stairs; *20 ft step ladder ( <b>50 lbs</b> – 1 person); *30 ft extension ladder ( <b>80 lbs</b> – 2 person) up to 100 ft; * <b>40 lb</b> salt bags up to 30 feet; *hammer drill/case ( <b>25 lbs</b> ) and *tool bag ( <b>20 lbs</b> ).
<b>Push</b>		100			* <b>100 lbs</b> to loosen pipe fittings using a wrench; * <b>50 lbs</b> to push water cooler on cart; * <b>50 lbs</b> per person (4) to maneuver 500 lb boiler.
<b>Pull</b>		100			* <b>100 lbs</b> to tighten pipe fittings using a wrench; * <b>50 lbs</b> to push a water cooler on cart; * <b>50 lbs</b> per person (4) to maneuver 500 lb boiler.
<b>Sit</b>		X			*To drive to work sites. On occasions to perform work tasks, although could be performed from alternate positions. Optional at breaks.
<b>Stand/Walk</b>			X		*To perform most work tasks.
<b>Bend/Squat</b>		X			*To perform work tasks which are positioned below waist level.
<b>Crouch/Kneel</b>		X			*To perform work tasks which are positioned below waist level.
<b>Twist/Turn</b>		X			*Working in confined spaces and reaching for tools and equipment.
<b>Crawl</b>	X				*Working in crawl spaces.
<b>Climb</b>		X			*Working from step ladders and extension ladders up to 30 feet high. *Climbing multiple stairs while carrying heavy objects.
<b>Reach</b>				X	*Constant reaching to perform work tasks. *Rarely reaching overhead supporting 10-30 lbs of weight (pipe) for up to 30 seconds at a time. Most reaching is performed between waist and chest level.
<b>Handle</b>				X	*Constant gripping and grasping of tools and equipment to perform work tasks. Many work tasks require being able to work with two hands at the same time. *Grip force of at least <b>80 lbs</b> will be needed to tighten or loosen pipe fittings.
<b>Finger</b>			X		*Frequent fingering to manipulate nuts, washers and small tools.
<b>Balance</b>		X			*Good balance required to work from ladders without holding the ladder for support. *Climbing stairs while carrying heavy objects in both hands. *Walking on slippery surfaces (i.e. ice, wet).

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

\*Denotes Essential Function

Evaluator: Mark Coleman

Updated: 08/09/17