

PHYSICAL DEMANDS ANALYSIS (EXAMPLE)  
**COMMERCIAL BRICKLAYER**

**JOB DESCRIPTION**

TASK #	TASK DESCRIPTION	% OF SHIFT
1	Job preparation – equipment, tools, and materials for the outlined tasks.	5%
2	Bricklaying – Installing bricks and applying mortar/concrete to bricks onto designated areas, jointing of bricks to create a finished look as you go along, up to 200 bricks per shift.	90%
3	Clean up.	5%

*The physical demands may vary depending on company and location.  
 Confirm this physical demands analysis is an accurate representation of the specific job.*

**ITEMS HANDLED**

- Scaffolding materials (for elevated work areas)
- Hydromobile (for elevated work areas)
- Brick (8 lbs. each)
- Concrete (25 lbs.)
- Trowel (0.5 lbs.)
- 1 foot level (2 lbs.)
- Laser level
- Brush (0.5 lbs.)
- Flat joiner (0.5 lbs.)
- Raker (0.5 lbs.)
- Shovel (3lbs.)
- Drills
- Concrete pale (50 lbs.)

**PERSONAL PROTECTIVE EQUIPMENT**

- Respiratory Protection for silica
- Work at height protection
- Face shield for grinding
- Safety glasses, work boots, hard hat, and high-visibility vest

**ENVIRONMENTAL EXPOSURE**

Bricklayers work outside exposed to all weather elements acceptable for brick work. Will have some silica exposure. May be around noise from other trades and occasionally working at height.

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<b>JOB TITLE</b>	COMMERCIAL BRICKLAYER				<b>LENGTH OF SHIFT (HRS)</b>	8
<b>JOB DESCRIPTION</b>						
The worker is required to prepare and install bricks onto new or existing buildings as outlined by the Bricklayer Foreman.						
<b>PHYSICAL JOB DEMANDS - Grade using a scale of 0 - 4</b>						
<b>0 = NOT REQUIRED</b>	<b>1 = SELDOM REQUIRED: &lt; 5%</b>			<b>2 = MINOR REQUIREMENT: 5-33%</b>		
-	Less than 30 minutes per day or not daily			30 minutes up to 3.5 hours per day or 1 repetition every 30 minutes		
<b>3 = OCCASIONAL REQUIREMENT: 34-66%</b>			<b>4 = FREQUENT REQUIREMENT: 67-100%</b>			
3.5 hours up to 6.5 hours per day or 1 repetition every 2 minutes			6.5 hours per day up to shift length or 1 repetition every 30 seconds			
<b>INSTRUCTIONS:</b> Place an X under number 0,1,2,3 or 4 to identify the frequency of each body demand or exposure.						
<b>PHYSICAL JOB DEMANDS</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>DESCRIBE THE TASK(S) PERFORMED</b>
<b>WHOLE BODY DEMANDS</b>						
SITTING		X				May sit on stool/pail for low work.
SITTING WITH VIBRATION/JARRING	X					-
DRIVING	X					-
STANDING					X	While bricklaying, jointing, standing on hydromobile or scaffold.
RUNNING	X					-
<b>WALKING</b>						
LEVEL	X					-
UNEVEN GROUND			X			Walking on site.
SLOPES / RAMPS		X				Ramps up/down to bricklaying level.
<b>CLIMBING</b>						
REGULAR STAIRS	X					-
STEEP STAIRS	X					-
LADDERS	X					-
OTHER			X			Hydromobile, scaffold access.
<b>LOW LEVEL WORK</b>						
KNEELING	X					-
SQUATTING			X			While raking (short distances), completing layouts.
CRAWLING	X					-

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PHYSICAL JOB DEMANDS	0	1	2	3	4	DESCRIBE THE TASK(S) PERFORMED
<b>SPECIFIC BODY DEMANDS</b>						
<b>NECK MOVEMENTS</b>						
<b>BENDING</b>						
SUSTAINED					<b>X</b>	While laying brick and jointing, layouts.
REPETITIVE	<b>X</b>					-
<b>TWISTING</b>						
SUSTAINED				<b>X</b>		Checking work area/site for progress, safety hazards, while laying brick and jointing, layouts.
REPETITIVE	<b>X</b>					-
<b>TRUNK MOVEMENTS</b>						
<b>BENDING</b>						
SUSTAINED	<b>X</b>					-
REPETITIVE				<b>X</b>		While laying mortar/concrete and brick, brushing, raking, and jointing at lower levels.
<b>TWISTING</b>						
SUSTAINED	<b>X</b>					-
REPETITIVE			<b>X</b>			While mortar/laying concrete and brick, brushing, raking, and jointing at lower levels (depending on width of scaffolding material).
<b>SHOULDER MOVEMENTS</b>						
OVERHEAD			<b>X</b>			Working at higher levels (laying concrete, brick, raking, brushing), fastening and bracing pins.
FORWARD REACHING				<b>X</b>		When laying concrete and brick, raking, brushing, and jointing.

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PHYSICAL JOB DEMANDS	0	1	2	3	4	DESCRIBE THE TASK(S) PERFORMED
<b>GRIPPING DEMANDS</b>						
<b>DOMINANT HAND</b>						
REPETITIVE	X					-
CONTINUOUS					X	Holding various hand tools (drills, trowel, brush, level, measuring tape, raker, etc.), bricks, pails of concrete, scaffolding material, etc.
<b>NON-DOMINANT HAND</b>						
REPETITIVE	X					-
CONTINUOUS					X	Both hands on tools and materials.
<b>FINGER DEXTERITY</b>				X		Using level, while placing joint pins and braces.
<b>MANUAL HANDLING DEMANDS</b>						
<b>LIFTING</b>						
LIGHT (MAX 20 LB / 9 KG)					X	Lifting equipment and tools including bricks (8 lb.) drills, levels (2 lbs.), brushes (0.5 lbs.), flat joiner (0.5 lbs.), raker (0.5 lbs.).
MEDIUM (MAX 50 LB / 22.5 KG)			X			Lifting scaffolding material and planks during set up and take down on site. Concrete pails – 50 lb.
HEAVY (MAX 100 LB / 45 KG)	X					-
VERY HEAVY (OVER 100 LB / 45 KG)	X					-
<b>CARRYING</b>						
LIGHT (MAX 20 LB / 9 KG)				X		Carrying equipment and tools around site including bricks (8 lb.) drills, levels (2 lbs.), brushes (0.5 lbs.), flat joiner (0.5 lbs.), raker (0.5 lbs.).
MEDIUM (MAX 50 LB / 22.5 KG)			X			Carrying scaffolding material and planks during set up and take down on site. Concrete pails – 50 lb.
HEAVY (MAX 100 LB / 45 KG)	X					-
VERY HEAVY (OVER 100 LB / 45 KG)	X					-

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PHYSICAL JOB DEMANDS	0	1	2	3	4	DESCRIBE THE TASK(S) PERFORMED
<b>MOBILE PUSHING</b>						
LIGHT (MAX 20 LB / 9 KG)	X					-
MEDIUM (MAX 50 LB / 22.5 KG)	X					-
HEAVY (MAX 100 LB / 45 KG)			X			Manual power jack.
VERY HEAVY (OVER 100 LB / 45 KG)	X					-
<b>MOBILE PULLING</b>						
LIGHT (MAX 20 LB / 9 KG)	X					-
MEDIUM (MAX 50 LB / 22.5 KG)	X					-
HEAVY (MAX 100 LB / 45 KG)	X					-
VERY HEAVY (OVER 100 LB / 45 KG)	X					-
<b>STATIC PUSHING/PULLING</b>						
LIGHT (MAX 20 LB / 9 KG)	X					-
MEDIUM (MAX 50 LB / 22.5 KG)	X					-
HEAVY (MAX 100 LB / 45 KG)	X					-
VERY HEAVY (OVER 100 LB / 45 KG)	X					-