2023-228

Exhibit B

ELEVATOR PM SCHEDULE

Traction and Hydraulic Elevators

On Each Visit	(At least one hour per unit)	
	(1)	Contact responsible building personnel regarding elevator complaint(s). Correct all complaints.
	(2)	Ride cars, checking for unusual noise or operation.
	(3)	Correct any malfunctions noted.
Controller	(These are minimum requirements. Elevator Service Company is to meet or exceed this work.)	
Monthly	(1)	Observe dispatching, times, and relays for proper operation.
Quarterly	(2)	Clean and check all controller and supervisory relays, contacts, and printed circuit boards.
Quarterly	(3)	Check settings and operation of overloads.
Quarterly	(4)	Check controller voltages.
Quarterly	(5)	Check resistor tubes, grids and condensers.
Semi-Annually	(6)	Clean and check fuses and fuse holders.
Semi-Annually	(7)	Check and tighten all controller connections and components.
<u>Selector</u>		
Monthly	(1)	Adjust and/or replace selector brushes and contracts.
Quarterly	(2)	Lubricate selector cable sheaves. Clean/adjust electronic selectors.
Semi-Annual	(3)	Clean and lubricate selector chains, guides, drives and drums.

Hoist Machine

Semi-Annual

Semi-Annual

(4)

(5)

Monthly	(1)	Clean dirt and dust from exterior surface of machines.		
Monthly	(2)	Check sleeve bearing oil.		
Monthly	(3)	Renew or reseat brushes as required.		
Quarterly	(4)	Observe worms and gears for end play, back lash, thrust, and any bearing wear.		
Quarterly	(5)	Clean and/or turn and undercut commutator.		
Semi-Annual	(6)	Inspect brake, brake drum, drive sheave, remove, clean and lubricate DC brake cores. Clean or replace brake shoes if necessary. Check pivot pins for free movement.		
Semi-Annual	(7)	Grease roller bearings.		
Semi-Annual	(8)	Check motor connections.		
Semi-Annually	(9)	Change sleeve bearing oil.		
Semi-Annually	(10)	Check armature or rotor clearance – Record measurements in thousandths on Check Charts.		
Semi-Annually	(11)	Check hoist machine drive sheave, regroove when required by Owner or designated representatives.		
Annually	(12)	Blow out machine with air pressure.		
MG Sets/Motor Drive				
Monthly	(1)	Clean dirt and dust from exterior.		
Monthly	(2)	Renew or reseat brushes as required. Surface of MD sets.		
Quarterly	(3)	Clean and/or turn and undercut commutators.		

Grease roller bearings.

if necessary.

Check MG/Motor Drive set connections and tighten

Semi-Annually	(6)	Blow out machine with air pressure.			
Semi-Annually	(7)	Check armature or rotor clearance, record measurements in thousandths on Check Charts.			
Semi-Annually	(8)	Clean dirt and carbon dust from the interior around fields and windings.			
Annual	(9)	Change oil in sleeve bearings.			
Signal and Dispatching					
Monthly	(1)	Replace any burned out lamps in the starters control indicator panel, car operating panel, etc.			
Monthly	(2)	Observe operation of car arrival lanterns and gongs. Correct any malfunctions noted.			
Monthly	(3)	Observe dispatching, dispatching intervals, high and low call reversal circuits. Make corrections where necessary.			
Emergency Operation					
Monthly	(1)	Activate fireman's recall system, Phases I and II. Minimum one floor operation on Phase II. Record test in log.			
Quarterly	(2)	Test car emergency lights.			
Semi-Annual	(3)	Test each elevator's emergency service, if provided.			
Semi-Annual	(4)	Activate emergency hospital service systems and any special circuits, if provided.			
Semi-Annual	(5)	Test emergency power system, if provided.			
Governors					
Semi-Annual	(1)	Clean, lubricate and test for free movement of all governors. Manually extend governor weights to make sure there is no restriction in motion.			

Ropes

Quarterly

(1) Check all ropes, grooves, hitches and equalize tension. Lubricate where necessary. Shorten ropes when requested. Replace ropes with "red rouge" showing.

Quarterly (2) Check rope, clamps and shackles.

Quarterly (3) Check compensating chain or rope and hitches.

Hydraulic Machines

Pumping Units

Monthly (1) Maintain oil tank at proper level.

Monthly (2) Check for excessive leakage around valves and pumps.

Monthly (3) Wipe up any oil residue around machine. Eliminate cause of leakage.

Quarterly (4) Check tension and war of V belts.

Quarterly (5) Inspect flexible hoses and connections. Replace when required by inspection or code.

Semi-Annual (6) Lubricate motor bearings.

Jack Assembly

Monthly (1) Check packing gland for excessive oil leakage. tighten or repack if necessary.

Monthly (2) Check plunger for signs of leakage or deterioration. Report any oil leakage to Owner in writing.

Quarterly (3) Check platen bolts for cracks and tightness.

<u>Car</u>

Monthly (1) Check alarm bell and communication system.

Monthly (2) Inspect car door operator. Clean, adjust or replace

pulleys, shifts, key ways, belts, cams, and motor brushes. Lubricate where required.

Monthly	(3)	Clean door guide channels.
Monthly	(4)	Check leveling units.
Quarterly	(5)	Check retiring cam devices, chain, dash pots, pivots, fastenings, etc.
Quarterly	(6)	Check all reopening devices and obstruction timing devices.
Quarterly	(7)	Inspect and clean car door or gate and related parts.
Semi-Annual	(8)	Replace non-rechargeable emergency light batteries.
Semi-Annual	(9)	Check load weighing devices with weights in cars.
Semi-Annual	(10)	Clean car tops and related hardware.
Semi-Annual	(11)	Check and adjust car door up-thrusts.
Semi-Annual	(12)	Inspect guide shoes and roller guides.
Semi-Annual	(13)	Inspect broken tape or cable switches.
Semi-Annual	(14)	Check and test all safety devices.
Semi-Annual	(15)	Check clearance for car safety shoes.
Semi-Annual	(16)	Check stile channels for bends or cracks. Also, car frame and supports.
Semi-Annual	(17)	Check car operating panel, controls and switches. Clean and lubricate when necessary.
Annually	(18)	Check car enclosure steadying device.
<u>Hoistway</u>		
Monthly	(1)	Check hall button operation.
Monthly	(2)	Check leveling switches and leveling operation.
Quarterly	(3)	Lubricate sheave bearings.

Quarterly	(4)	Check hoistway lighting. Replace bulbs where necessary.
Semi-Annual	(5)	Inspect limit switches, contacts, cam alignment.
Semi-Annual	(6)	Check sheave fastenings, grooves, lubricate grease type bearings.
Semi-Annual	(7)	Check stiles for cracks, bends, loose nuts, etc.
Semi-Annual	(8)	Clean door hangers, tracks and rollers. Adjust upthrust.
Semi-Annual	(9)	Clean and inspect counter weights, counter weight rope fastenings, roller guides, guide shoes, etc.
Semi-Annual	(10)	Inspect hoistway door guides and door closers.
Semi-Annual	(11)	Check wear and insulation on travel cables. Check junction box connections.
Semi-Annual	(12)	Clean hoistway, separator beams, guide rails, door guide channels, etc.
<u>Pit</u>		
Monthly	(1)	Clean pit, iron work located within the pit.
Monthly	(2)	Empty drip pan(s).
Semi-Annual	(3)	Clean and lubricate governor tail sheave. Adjust position as required.
Semi-Annual	(4)	Check oil levels in buffers.
Semi-Annual	(5)	Clean and lubricate compensating sheave, selector tail sheave.

END OF SECTION