APPENDIX A

Typical Non-Routine Maintenance Tasks

1. Dismounting and disassembling of failed/worn/dysfunctional elevator (including hydraulic elevators) and escalator components for shipping, by the contractors to third party contractors; and the subsequent re-installation of repaired/replacement equipment;

2. Re-cabling of existing elevators and associated equipment. See Appendix C for more details;

3. In event of failure/malfunction, troubleshooting of electrical and mechanical equipment in the machine rooms, escalator truss lines, pits and of all equipment attached or associated with the elevator or escalator;

4. Rewiring/repairing circuit panels and board;

5. Utilizing existing wiring schematics, and by examination and tracing of existing circuits, developing current and correct circuit diagrams/schematics depicting actual system circuit arrangements;

6. Emergency repairs, of unforeseen and unspecified nature and extent, to elevator or escalator system and its components. Typical examples of emergency tasks include but not limited to
    - Emergency re-cabling due to damage cable/rope.
    - Repair of a damaged sheave bearing
    - Motor generator repair/rebuild (windings and bearings)

7. Repair/replacement of escalator handrails, step chains, motors, gears and drive assembly; and

8. Repair/maintenance of accessible lifts, which shall include but not be limited to, inclined stairway chairlifts and inclined/vertical platform lifts.