

EQUIPMENT STARTUP CHECKLIST For Justice Facilities

Equipment type: two chillers and two pumps
Equipment designation: RU-1, RU-2, P-1A, P-2A
Barcode designation: 111111
Area served: Justice facilities
Equipment location: Mechanical room

- Unit furnished controls interfaced with owner's BAS computer.

COMMISSIONING TEST PLAN AND SCHEDULE [Y] [N]

- Static inspection due date:
- Equipment startup date:
- TAB airside date:
- TAB waterside date:
- ATC point-to-point checkout date:
- ATC graphics downloaded to BAS computer date:
- ATC programming downloaded to BAS computer date:
- Engineer's punchlist date:
- Contractor's dry run date:
- Functional performance test/system demonstration date:

ELECTRICAL INSPECTION [Y] [N]

- Check electrical connections are completed.
- Disconnect install per code compliance.
- Starter and wire sizing per contract documents.
- Motor bumped to verify rotation.
- Terminations and panel circuit labeled.
- Voltage and motor amps (per phase) documented.

EQUIPMENT INSTALLATION (PER CONTRACT DRAWINGS AND SPECIFICATION) [Y] [N]

- Piping installation complete at unit.
- Vibration isolation complete (if applicable).
- Seismic restraints complete (if applicable).
- Interior of unit is clean of any debris.
- Manufacturer's O&M available.
- Manufacturer's startup sheets attached with this checklist.
- Warranty certificate available.

DISTRIBUTION (TO AND FROM EQUIPMENT) [Y] [N]

- Piping pressure tested per contract documents (no leaks).
- Insulation completed.
- Non-toxic glycol solution at correct percentage (if applicable).
- Installation per contract documents (specification and details).
- TAB report and field notes attached with this checklist.
- Identification per contract documents.

DISTRIBUTION (TO AND FROM EQUIPMENT) [Y] [N]

- Temperature controls complete.
- Control points confirmed.
- Alarm types determined and enabled.
- Alarm limits programmed.
- Electrical system interlocks complete.



NOTE

- Refer to equipment manufacturers' literature for additional data and requirements.
- Refer to building owner's standards and guidelines for additional criteria. **ES**

If you have any comments, suggestions, or questions regarding this designer checklist, contact Amanda McKew at amckew@rdkengineers.com.

