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|---------------------|---------------|--------------------|
| Client: | Project Name: | Project No: |
| Area: | Drawing No's: | Date: |
| Check Conducted By: | Signature: | Check Approved By: |
| | | Signature: |

INSPECTION CHECKLIST FOR: COOLING TOWER

The below checks are to be completed by the Mechanical Contractor prior to system commissioning

| NO: | DESCRIPTION: | INSPECTION: | | INSPECTION HISTORY | | | |
|-----|---|-------------|----|--------------------|-------|-----------|--|
| | | | | ACCEPTABLE: | DATE: | COMMENTS: | |
| | Quality Control | | | | | | |
| 1 | Cooling tower type, model number and manufacturer approved for use | Yes | No | Yes | No | | |
| 2 | Cooling towers not being used are correctly stored | Yes | No | Yes | No | | |
| | Installation | | | | | | |
| 1 | Drawings on site are the latest issue | Yes | No | Yes | No | | |
| 2 | Cooling tower is installed in the correct location as per approved shop drawings | Yes | No | Yes | No | | |
| 3 | Confirm cooling tower meets approved equipment details including options specified | Yes | No | Yes | No | | |
| 4 | Cooling tower is not damaged in any way, ensure no concealed damage | Yes | No | Yes | No | | |
| 5 | Cooling tower is correctly mounted on vibration isolation rubber and appropriately restrained with transit bolts, wedges etc removed | Yes | No | Yes | No | | |
| 6 | Confirm adequate maintenance access has been provided for cooling tower media and sump for cleaning and adequate permanent access to service motor and fan(s) | Yes | No | Yes | No | | |
| 7 | Cooling tower is labelled clearly | Yes | No | Yes | No | | |

| NO: | DESCRIPTION: | INSPECTION: | | INSPECTION HISTORY | | | |
|----------------------|--|-------------|----|--------------------|----|-------|-----------|
| | | | | ACCEPTABLE: | | DATE: | COMMENTS: |
| 8 | Confirm pipework connection to cooling tower are correct and include all fittings and accessories as documented | Yes | No | Yes | No | | |
| 9 | Confirm that there are vents at the high points of the pipe work and drains installed at the lowest points of the pipe work | Yes | No | Yes | No | | |
| 9 | Confirm all manufacturer's installation requirements have been met | Yes | No | Yes | No | | |
| 10 | Confirm correct electrical connection of cooling tower | Yes | No | Yes | No | | |
| 11 | Confirm all electrical interlocks are in accordance with cooling tower fan(s) wiring schematic | Yes | No | Yes | No | | |
| Commissioning | | | | | | | |
| 12 | Confirm cooling tower has been cleaned and flushed of construction debris prior to final filling | Yes | No | Yes | No | | |
| 13 | Confirm cooling tower sump is water tight when filled with water | Yes | No | Yes | No | | |
| 14 | Confirm condenser water pumps achieve design flow rates through the cooling tower | Yes | No | Yes | No | | |
| 15 | Confirm automatic control valve operation and status is correct from the BMCS including ON-OFF, bypass operation, EWT°C LWT °C, LWT° set point, fan fault, pump trip, motorised isolation valve position (if used) | Yes | No | Yes | No | | |
| 16 | Confirm operation of fans | | | | | | |
| 17 | Mark alterations, sizes + final location on As Built drawings for record purposes | | | | | | |

ADDITIONAL COMMENTS:

