

Mechanical-electrical coordination checklist

redline

The checks behind most MEP coordination RFIs, from MCA and MOCP to smoke control fans on the right power source.

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Project _____ Issue _____ Reviewed by _____

1. EQUIPMENT ELECTRICAL DATA

- ☐ Every scheduled unit has electrical data
- ☐ The conductor is sized for the MCA
- ☐ The breaker does not exceed the MOCP
- ☐ Voltage and phase match the panel
- ☐ Both disciplines show the same numbers

2. MOTORS, DRIVES AND STARTERS

- ☐ Someone owns every starter and drive
- ☐ Drives are located and powered
- ☐ Motor circuits follow motor rules
- ☐ Bypass and control wiring are defined

3. DISCONNECTS AND WORKING SPACE

- ☐ A disconnect is shown for every unit that needs one
- ☐ Working space is clear
- ☐ Nothing foreign runs over the electrical equipment
- ☐ A service receptacle is near the equipment

4. CONTROLS POWER

- ☐ Every controls panel has a circuit
- ☐ Powered dampers and actuators are fed
- ☐ The scope line is written

5. LIFE SAFETY INTERFACES

- ☐ Fans that must run in a fire are on the right source
- ☐ Air handlers shut down on smoke where required
- ☐ Fire and smoke dampers are monitored and powered

6. HEAT AND SPACE IN ELECTRICAL ROOMS

- ☐ Electrical rooms are ventilated or cooled
- ☐ Room sizes still work

7. AFTER EVERY SUBSTITUTION OR REVISION

- ☐ Re-run the electrical data check
- ☐ Update both schedules in the same issue
- ☐ Keep a list of units that changed

UNITS THAT CHANGED THIS ISSUE

Tag / change: _____

Tag / change: _____

Tag / change: _____

Tag / change: _____

A checklist, not a code review. Check every item against the codes adopted where the project is filed. Engineering judgment and the seal stay with you.

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