

# Restaurant Cabling Scope Checklist

Use this checklist to scope a new build, remodel, or multi-site rollout. Covers POS, KDS, WiFi, cameras, access control, audio, and the fiber/copper backbone. Prepared by Access Cabling — California low-voltage contractors.

|                        |       |                   |       |
|------------------------|-------|-------------------|-------|
| <b>Project / Site:</b> | _____ | <b>Date:</b>      | _____ |
| <b>Address:</b>        | _____ | <b>Sq Ft:</b>     | _____ |
| <b>GC / PM:</b>        | _____ | <b>Open Date:</b> | _____ |

## POS Network (Toast / Square / Aloha / Micros)

|                          |                                                                             |
|--------------------------|-----------------------------------------------------------------------------|
| <input type="checkbox"/> | Cat6 drop at each fixed POS terminal (min 1 per station, 2 for dual-screen) |
| <input type="checkbox"/> | Cat6 to KDS-adjacent POS printer / kitchen printer locations                |
| <input type="checkbox"/> | PCI-aware VLAN documented; POS isolated from guest / back-office            |
| <input type="checkbox"/> | Static IPs or DHCP reservations for POS, KDS, printers, KDS controllers     |
| <input type="checkbox"/> | Battery backup (UPS) at each POS station and MPOE / IDF                     |
| <input type="checkbox"/> | Handheld charging locations identified (power + AP coverage)                |
| <input type="checkbox"/> | Confirm POS vendor cabling spec (Toast: Cat6 UTP, <295 ft / 90m)            |

## KDS (Kitchen Display Systems)

|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| <input type="checkbox"/> | One Cat6 drop per KDS screen (line, expo, prep, drive-thru)     |
| <input type="checkbox"/> | PoE budget confirmed (screen + bump bar power draw)             |
| <input type="checkbox"/> | Screen mount location, height, and viewing angle marked         |
| <input type="checkbox"/> | Grease / heat routing: plenum-rated cable in hoods & above line |
| <input type="checkbox"/> | Conduit or J-hooks above suspended ceiling in BOH               |
| <input type="checkbox"/> | Bump bar / controller cable path documented                     |
| <input type="checkbox"/> | Offline mode tested — local KDS continues if WAN drops          |

## WiFi (Access Points & Wireless)

|                          |                                                            |
|--------------------------|------------------------------------------------------------|
| <input type="checkbox"/> | Ekahau or Hamina predictive design completed               |
| <input type="checkbox"/> | AP count and locations marked on floor plan                |
| <input type="checkbox"/> | Cat6 home-run drop to each AP (no daisy-chain)             |
| <input type="checkbox"/> | PoE+ (802.3at) minimum; PoE++ for WiFi 6E / 7              |
| <input type="checkbox"/> | SSIDs defined: Guest, POS, BOH, IoT/BOH devices, Handhelds |
| <input type="checkbox"/> | Guest SSID isolated with captive portal + bandwidth cap    |
| <input type="checkbox"/> | Outdoor / patio AP with IP-rated enclosure if applicable   |
| <input type="checkbox"/> | Post-install validation survey with heatmap deliverable    |

## Cameras (Surveillance)

|                          |                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | Camera count per zone: entrance, register, safe, kitchen, dish, patio, exterior, drive-thru |
| <input type="checkbox"/> | Cat6 drop per camera; PoE+ for PTZ / varifocal                                              |
| <input type="checkbox"/> | NVR / cloud recorder location + storage (30 / 60 / 90 day retention)                        |
| <input type="checkbox"/> | Coverage over registers, safe, back door, dumpster/loading                                  |
| <input type="checkbox"/> | License-plate capture at drive-thru entrance if required                                    |
| <input type="checkbox"/> | Monitor at manager station / office                                                         |
| <input type="checkbox"/> | Signage: 'Video surveillance in use' where required                                         |

## Access Control

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <input type="checkbox"/> | Doors in scope: front, back-of-house, office, walk-in, roof, IDF |
| <input type="checkbox"/> | Reader type: prox, mobile credential, PIN, biometric             |
| <input type="checkbox"/> | Cat6 to each reader + door controller                            |
| <input type="checkbox"/> | REX (request-to-exit), door contact, mag-lock / strike wired     |
| <input type="checkbox"/> | Fire alarm relay for mag-locks (life-safety release)             |
| <input type="checkbox"/> | Cloud platform selected (Openpath, Kisi, Brivo, Verkada, etc.)   |
| <input type="checkbox"/> | Credential issuance workflow documented for GMs                  |

## Audio / Paging / Music

|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| <input type="checkbox"/> | Zones defined: dining, bar, patio, restrooms, BOH, drive-thru |
| <input type="checkbox"/> | Speaker count and placement marked (dining ~1 per 150 sq ft)  |
| <input type="checkbox"/> | 70V distributed audio or networked (Dante / AoIP) chosen      |
| <input type="checkbox"/> | Amplifier location and rack space at IDF/MPOE                 |
| <input type="checkbox"/> | Streaming source (Soundtrack, Cloud Cover, Mood) + BYOD input |
| <input type="checkbox"/> | Paging mic at host stand / manager station                    |
| <input type="checkbox"/> | Drive-thru intercom + order confirmation board cabling        |

## Fiber & Copper Backbone / IDF

|                          |                                                                |
|--------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> | MPOE / demarc location confirmed with ISP(s)                   |
| <input type="checkbox"/> | Primary + backup circuit (fiber + LTE/5G failover)             |
| <input type="checkbox"/> | OS2 single-mode fiber between MPOE and IDF (if separated)      |
| <input type="checkbox"/> | 24- or 48-port patch panel(s) sized to drop count + 25% growth |
| <input type="checkbox"/> | Cat6 or Cat6A backbone runs terminated on both ends & tested   |
| <input type="checkbox"/> | Rack / wall-mount cabinet, PDU, UPS, cooling / ventilation     |

- |  |                                                               |
|--|---------------------------------------------------------------|
|  | Cable management: horizontal + vertical, velcro (no zip ties) |
|  | Labeling scheme: room-jack-port (e.g., DIN-A-01) on both ends |
|  | As-built drawings + Fluke test reports delivered              |

## Compliance & Handoff

- |  |                                                                         |
|--|-------------------------------------------------------------------------|
|  | Low-voltage permit pulled where required (CA C-7 contractor)            |
|  | Plenum-rated (CMP) cable in return-air spaces                           |
|  | Firestopping at all rated wall / floor penetrations                     |
|  | PCI-DSS network segmentation documented                                 |
|  | ADA-compliant mounting heights for readers / intercoms                  |
|  | Warranty: 25-year manufacturer + 1-year workmanship                     |
|  | Training session with GM on NVR, access control, WiFi portal            |
|  | Digital handoff package: as-builts, test results, credentials, contacts |

Need help scoping a multi-site rollout? Access Cabling — [accesscabling.com](https://accesscabling.com) — California statewide.