Flush-Mount Finish Hardware Installations Reference Card

Field Manual · Volume 07 · v1.0 · 2026 · Pre-Wall · Bezel · Reveal · One-Page Clinical Summary

Restrepo Innovations · Franklin Lakes, NJ
Internal & client distribution

CODE IS THE FLOOR. STANDARD IS THE CEILING.

Scope: Trufig gypsum & solid-surface mounting platforms · Trufig fascias and bezels · Lutron Palladiom keypads & thermostats · Trimless outlets · USB & data · AV plates · HDMI brushpass · Speaker grilles · Plaster-in coordination · Drywall reveal tolerances · Cross-trade walkthrough sequence. Luxury residential only.

§01 OPERATING PRINCIPLES

- Pre-wall is finish. The mounting platform goes in at framing, not at trim-out.
- Drywall returns to the bezel reveal. Drywall does not run over the bezel face.
- Plaster-in path is documented separately — different reference line, different tolerance.
- Mock up every unique condition before production. Hand the sample to the designer at rough-in.
- If pre-wall did not get installed at framing, the device gets a standard cover plate. No retrofit Trufig.

§02 APPROVED PLATFORMS — RESTREPO BASELINE

- Pre-wall + bezel: Trufig gypsum mounting platform for outlets, USB, data, AV, thermostat, speaker grilles.
- Keypads: Lutron Palladiom on every Lutron job. Already engineered flush — no Trufig sleeve needed.
- Trufig'd Lutron QSX/HomeWorks keypads only where Palladiom is not specified.
- AV cable pass-through: Leviton Decora brush passthrough (41075-DBW) behind Trufig Decora fascia.
- Specifier-driven alternates: Wall-Smart NC adapters, Forbes & Lomax Invisible Lightswitch.
- Speaker grilles: Trufig VX/VXQ gypsum platform coordinated with Sonance Invisible / Stealth.

§03 PROHIBITED — DO NOT

- Retrofit Trufig into existing finished drywall. Pre-wall is a framing-stage decision.
- Drywall finish run over the bezel face. Drywall must terminate at the reveal line.
- Mixing Trufig and standard cover plates on the same sightline of devices.
- Substituting a different bezel brand mid-job without written direction from the designer.
- Skim coat or spackle on a finished bezel face. Replace the bezel; do not clean in place.
- Pre-wall mounts left unprotected during drywall mud or paint phases.
- Drywall fasteners placed within the bezel reveal zone. Use backing block, not drywall-only fasteners.
- Speaker grilles installed before the room finish cure period (minimum 14 days after final paint).

§04 PRE-WALL STRATEGY

- Trufig gypsum platform mounted to studs at framing — never to drywall alone.
- Mount depth set per Trufig dimension sheet for the bezel and finish thickness combination.
- Square the platform to the finish plane, not to the stud face. Stud crown does not drive bezel alignment.
- Protect the platform face with the Trufig dust cap before drywall and paint phases.
- Verify platform centerline against the elevation drawing before drywall closes in.
- Plaster-in path: the platform references the plaster line, not the rock line.

§05 KEYPADS — PALLADIOM & TRUFIG'D LUTRON

- Palladiom is the default keypad on every Lutron job. Surface mount; no Trufig sleeve required.
- Palladiom backbox: standard 4-square or single-gang per Lutron spec, set at finish-flush depth.
- Trufig'd Lutron QSX or seeTouch only when Palladiom is not specified.
- Keypad height to spec: standard 42 in. AFF to centerline, or as drawn on the lighting plan.
- Engraving and button layout confirmed before order. No field-engraving keypads.
- Every keypad labeled with circuit, zone, and Lutron address at termination.

§06 OUTLETS, USB & DATA

- Tamper-resistant receptacles only on residential — NEC 406.12 baseline.
- Trufig duplex bezel set flush to the finished surface within 1/64 in. on the bezel face.
- USB-C receptacles where specified; standard USB-A only when explicitly drawn.
- Data jacks (Cat6/Cat6A) terminated to the Restrepo low-voltage standard, then dressed into the Trufig bezel.
- Combine outlet + data on a Trufig multi-gang bezel only when the elevation drawing shows them stacked.
- Outlet face must read level to the eye at the design viewing distance.

§07 AV & CONTROL PLATES

- HDMI/Cat6 brushpass via Leviton 41075-DBW behind a Trufig Decora fascia at every AV location.
- Crestron, Lutron, or third-party touchscreens land on Trufig flush bezels matched to the device cutout.
- Climate sensors and thermostats: Trufig flush bezel coordinated with the manufacturer's plate dimension.
- Wall-mounted iPad enclosures (Wall-Smart, Basalte, iPort) treated as their own pre-wall — same framing-stage discipline.
- Cable service loops at every AV bezel. No taut runs entering the back of a finish bezel.
- AV plate face dressed flush within 1/64 in. of surrounding finish.

§08 THERMOSTAT & CLIMATE PLATES

- Lutron Palladiom QS Thermostat is the Restrepo baseline on Lutron-controlled HVAC.
- Trufig thermostat bezel coordinated with the thermostat manufacturer's cutout dimension.
- Set thermostat at code/spec height — typically 60 in. AFF unless drawn otherwise.
- Confirm low-voltage cable count and gauge before pre-wall mounts go in.
- Climate sensors (return-air, humidity, occupancy) follow the same flush-bezel discipline.
- Thermostat plate engraving / branding confirmed against the architect's elevation.

§09 SPEAKER GRILLES & PLASTER RINGS

- Plaster ring set at framing for every in-wall and in-ceiling speaker — Sonance Invisible, Stealth, Amina, Triad.
- Trufig VX/VXQ gypsum mounting platform matched to the manufacturer's grille cutout. No improvised cuts.
- Drywall returns to the plaster ring reference line, not over the ring face.
- Plaster-in (invisible) speakers: skim coat lapped to the manufacturer reference line, never over the diaphragm.
- Speaker face mute-tested before paint. Any paint or compound on the grille is a defect.
- Grille install delayed until 14 days minimum after final paint cure.

§10 DRYWALL, PLASTER & PAINTER COORDINATION

- Pre-wall mounts walk the rough-in with drywall lead, AV/electrical lead, and lighting designer before rock.
- Drywall lead masks every Trufig bezel reveal with low-tack tape before primer.
- Drywall returns terminate at the bezel reveal line, not on the bezel face.
- Plaster-in path: plaster lapped to the manufacturer's reference line, not over the bezel face.
- Painter masks every bezel face before primer. Tape pulled before final dust cure.
- Final reveal width verified after paint, before any device is dressed into the mount.

§11 MOCK-UP & SAMPLE DISCIPLINE

- One mock-up per unique bezel condition before production cuts.
- Sample bezel hand-checked at rough-in by the lighting designer or owner's rep.
- Mock-up includes drywall return, paint, and bezel together — not bezel alone.
- Reveal width tolerance documented on the mock-up. Field installs must match the mock.
- Mock-ups retained on site through trim-out for reference.

§12 COMMISSIONING & CLOSEOUT

- Every bezel face verified flush within 1/64 in. against finish at design eye level.
- Reveal width within 1/64 in. tolerance along the run.
- Polarity, function, and labeling verified at every device before sign-off.
- Photo log of every flush-mount location archived in project record.
- Owner walkthrough with bezel-by-bezel function check.
- Spare bezels delivered to the client at closeout — minimum 5 % of every type used.

§13 SPECIFIER-DRIVEN ALTERNATES

- Wall-Smart NC (New Construction) adapters: approved when on the elevation. Confirm pre-wall depth equivalence to Trufig.
- Forbes & Lomax Invisible Lightswitch: approved as specifier-driven, not as a Lutron substitution.
- All alternates follow the same pre-wall, drywall, and finish discipline as the Trufig baseline.
- Substitutions require written direction from the designer or owner's rep — never verbal.
- Confirm bezel finish (paintable, anodized, plated) matches the surrounding hardware family.

QC GATE — VERIFY BEFORE CLOSE-IN

- ☐ Pre-wall mounts set at framing · square to finish plane
- ☐ Bezels protected through rock and paint
- ☐ Drywall returns at reveal line · not over bezel
- ☐ Plaster-in path lapped to reference line
- ☐ Reveal width within 1/64 in. tolerance
- ☐ Bezel face flush within 1/64 in.
- ☐ Polarity & function verified at every device
- ☐ Speaker grilles installed 14 days after final paint
- ☐ Photo log archived in project record
- ☐ Spare bezels delivered (≥ 5 % of each type)