

CODE IS THE FLOOR. STANDARD IS THE CEILING.

Scope: Sonance Invisible IS6/IS8/IS10 · Stealth Acoustics LR series · Amina Edge i series · Subwoofers (Sonance VPSUB/Cinema, Stealth B30g, Amina ALF80) · Trufig VX/VXQ pre-wall platforms · Backbox volume & damping · Skim-coat lap line · Paint cure window · Bass management & crossover · Drywall, plaster & painter coordination. Luxury residential only.

§01	OPERATING PRINCIPLES
- Invisible speakers are finish, not audio. The wall is the diaphragm or the wall is the grille — either way, the wall is the speaker. - Pre-wall is a framing-stage decision. The mounting platform goes in before the rock. - One platform family per room. Mixing Sonance, Stealth, and Amina on the same eyeline is a defect. - The skim coat is part of the acoustic system. Lap to the manufacturer's reference line, never past it. - Paint cure governs the schedule. No grille install, no listening, no commissioning before 14 days minimum.	

§02	APPROVED PLATFORMS — RESTREPO BASELINE
- Sonance Invisible Series (IS6, IS8, IS10) — driver-in-frame, pre-mudded grille, skim coat to wall. - Stealth Acoustics LR series (LR224, LR116, LR8G) — vibrating-panel design, wall is the diaphragm. - Amina Edge i series (Edge3i, Edge5i, Edge7i) — plaster-up-to design, tapered perimeter for invisible finish. - Pre-wall: Trufig VX or VXQ gypsum mounting platform on every drywall installation. - Subwoofers: Sonance VPSUB (in-wall), Stealth B30g (panel pair), Amina ALF80 (low-frequency panel). - Specifier-driven alternates: Triad InRoom, Sonus Faber Palladio, ClearSonic — only when on the audio plan.	

§03	WITHOUT WRITTEN DIRECTION — DO NOT DEFAULT
- Retrofit any invisible speaker into existing finished drywall. Every approved platform is pre-wall. - Mixing Sonance, Stealth, and Amina on the same wall plane or sightline. - Painter rolling across a Sonance grille face. Sonance grilles receive manufacturer-specified skim only. - Plaster lapped over the Sonance, Stealth, or Amina diaphragm reference line. - Grille install or listening tests before 14 days of paint cure has elapsed. - Powering invisible speakers from a non-Restrepo-approved amplifier without bass management documented. - Substituting a different invisible-speaker brand mid-job without written direction from the audio designer. - Skipping the post-cure burn-in period. Invisible speakers cure into the wall and need 24 hours at moderate output before final commissioning.	

§04	PRE-WALL STRATEGY
- Trufig VX or VXQ gypsum mounting platform set at framing for every speaker location. - Backbox or rear cavity per manufacturer spec — Amina CV300/CV345, Sonance per the install guide, Stealth per cavity-depth minimum (2.5 in. for B30g). - Mount centerline confirmed against the elevation drawing and the listening-position calculation before drywall closes in. - Cable pull confirmed before close-in: 14–16 AWG minimum on satellites, 12 AWG on subwoofers, with a 12 in. service loop at every speaker location. - Photo log every platform and backbox before drywall covers it. Required for the as-built and for warranty. - Where a stud crown pushes the platform out of plane, re-shim the platform — never trim the platform face.	

§05	SONANCE INVISIBLE SERIES
- IS6 / IS8 / IS10 mounted to a Trufig VX gypsum platform on the pre-rock side. - Sonance pre-mudded grille leaves the factory ready for skim — the skim coat is the grille's finish layer. - Skim coat lapped over the perimeter tape only — not over the diaphragm cone. - Drywall returns to the platform reveal line. No drywall fastener within the platform footprint. - Power and signal land in the Sonance back-box on framing — never on the platform itself. - Burn-in 24 h at moderate output after grille install before any commissioning measurement.	

§06	STEALTH ACOUSTICS LR SERIES
- LR224 / LR116 / LR8G mounted to a Trufig VXQ gypsum platform on the pre-rock side. - The vibrating panel itself is the diaphragm — drywall and skim coat continue across the panel face per Stealth spec. - No separate grille on a Stealth. The wall finish is the grille. - Approved finish layers: latex paint, flat finish, orange peel texture, light plaster, light wallpaper, light fabric, wood veneer — per Stealth published list. - Cavity depth verified before close-in — B30g requires 2.5 in. minimum, LR series per individual datasheet. - Easy-Tape frame engaged with drywall mud per Stealth install guide. No air gap at the frame perimeter.	

§07	AMINA EDGE I SERIES
- Edge 3i / 5i / 7i mounted to a Trufig VX gypsum platform on the pre-rock side, into Amina BackboxCV300 or CV345 per model. - Tapered perimeter receives professional plasterboard joint scrim tape (Amina recommends self-adhesive fibreglass scrim). - Three coats of skim/finishing compound, sanded between coats, then three coats of emulsion paint per Amina handbook. - Mineral wool damping in the cavity — never resting against the speaker face. - Amina APUi in-line protection module on every Edge zone — required per Amina warranty. - Edge i series accepts retrofit only into an existing skim coat — never full re-plaster over the speaker.	

§08	BACKBOX, CAVITY & DAMPING
- Backbox per manufacturer spec on every Sonance, Amina, and where Stealth requires it. - Cavity depth verified at framing — re-frame if a wall plane is too shallow for the specified speaker. - Mineral wool damping per manufacturer handbook — Amina specifies positioning to avoid speaker contact. - No insulation packed tight against any vibrating panel or driver cone. Loose-pack only, per spec. - Cable entry through grommet, with strain relief inside the backbox, never at the speaker face. - Backbox tied to framing, not to drywall. No drywall-only fasteners on any speaker rough-in.	

§09	SKIM COAT & PAINT CURE
- Sonance: skim to the perimeter tape line on the pre-mudded grille. Three coats minimum. - Stealth: drywall and skim continue across the panel face per Stealth published procedure. - Amina: scrim tape, three coats of fine-surface filler, sanded smooth, three coats of emulsion paint. - Paint cure: 14 days minimum after final paint before grille install or listening — longer in cold or humid weather. - Solvents in fresh paint outgas through grille perforations and discolor driver cones — non-negotiable cure window	

§10	BASS MANAGEMENT & CROSSOVER
- Crossover frequency set per manufacturer recommendation — Stealth B30g recommends 50 Hz at 18 dB/oct low-pass. - Sonance Invisible satellites cross over to the subwoofer at 80 Hz typical, confirmed by audio designer per room. - Amina Edge i + ALF80 sub: low-pass on the sub matched to Edge low-frequency rolloff per Amina selection guide. - Time-align subs to satellites at the listening position — measured, not assumed. - Subwoofer level documented per scene in the Lutron, Crestron, or audio processor database. - Bass-trap or room-correction documented separately — invisible-speaker installs are not exempt from room acoustics.	

§11	SUBWOOFERS — PRE-WALL, CAVITY & POWER
- Sonance VPSUB (10", 260W RMS, in-wall) — pre-wall enclosure on every spec; 12 AWG minimum power and signal. - Sonance Cinema SUB10-250 / SUB12-500 — matched amplifier per Sonance spec; in-wall enclosure pre-rock. - Stealth B30g — two-panel monaural sub, 200W RMS per pair, 20 Hz to 160 Hz, 2.5 in. minimum cavity depth. - Amina ALF80 — low-frequency panel for Edge integration; install per ALF80 manual with mineral wool damping. - Subwoofer amplifier remoted to the AV rack — never inside finished millwork or above non-removable trim. - Power: dedicated 20 A circuit on every subwoofer amplifier. Bond chassis per NEC 250.4.	

§12	DRYWALL, PLASTER & PAINTER COORDINATION
- Drywall lead, plasterer, painter, and AV lead walk every speaker rough-in together before close-in. - Drywall returns to the platform reveal line on every speaker location — never over the diaphragm. - Painter masks every Sonance grille perimeter before primer; no roller across grille face. - Stealth panels receive the same wall finish as the surrounding wall — drywall lead treats them as drywall, with one exception: no drywall fastener within the panel footprint. - Amina Edge installs follow the Amina handbook coating sequence exactly — scrim, three filler coats, three emulsion coats. - Final wall plane verified after paint, before grille install or listening.	

§13	COMMISSIONING, BURN-IN & SPARES
- Burn-in 24 h at moderate output after grille install and paint cure, before any measurement. - Color-meter and SPL measurement at the listening position after burn-in. - Crossover, level, and time-align documented per zone in the audio processor database. - Photo log every speaker location, before-and-after grille install, retained in the project record. - Spare grilles, tape, and APU modules delivered to the homeowner — minimum 5 % of each type used. - Owner walkthrough with track-by-track listening test from the design seat before sign-off.	

QC GATE — VERIFY BEFORE CLOSE-IN

☐ Pre-wall platforms set pre-rock · backbox per spec	☐ Cavity depth verified · damping per handbook	☐ Cable pull complete · 12 in. service loop at every speaker	☐ Skim coat lapped to manufacturer reference line	☐ Paint cure ≥ 14 days before grille install
☐ Burn-in 24 h before commissioning measurements	☐ Crossover & level documented per zone	☐ No paint or compound on Sonance grille face	☐ Photo log archived in project record	☐ Spare grilles & APU modules delivered (≥ 5%)