TROY SYSTEM

The Superior Acoustical Design for Professional Sound Stages & Studios

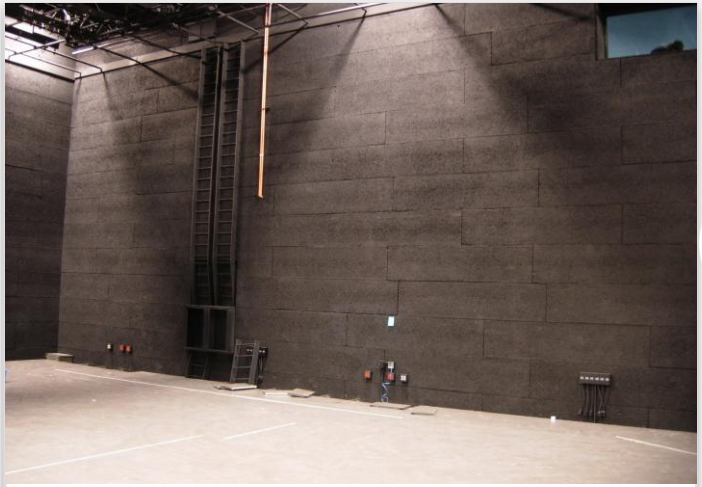
NRC	NC	STC	UL
1.00	**18**	**52–72**	**0 / 0**
Sound Absorption	Guaranteed NC Level	Sound Isolation	Flame / Smoke



www.troyacoustics.com | 800-987-3306 | info@troyacoustics.com

TROY ACOUSTICS
SERIOUS. ACOUSTIC. SOLUTIONS.

ONE WALL. BOTH JOBS.



TROY BOARD

- Wood fiber + white Portland cement
- Low-frequency absorption
- 1", 2" & 4" panels

+



TROY WOOL

- Organic mineral wool
- Mid & high-frequency absorption
- Fills studs & furring

=



YOUR STAGE

- NRC + STC in one wall
- NC 18 achievable
- Reverb under 0.75 s

TESTED. PROVEN. GUARANTEED.

NRC

1.00

Riverbank tested

SAA

1.02

Broadband absorption

NC

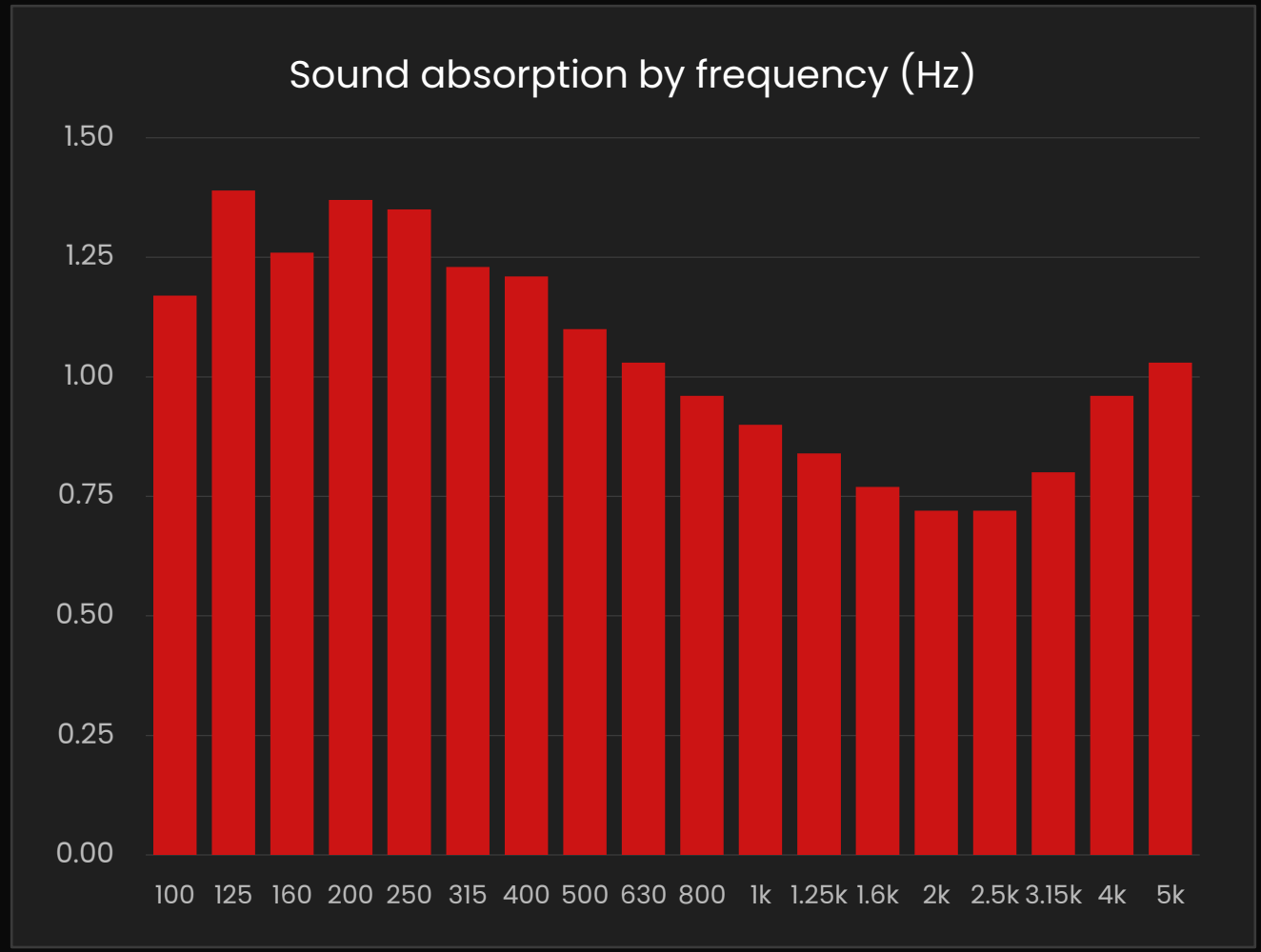
18

Guaranteed level*

REVERB

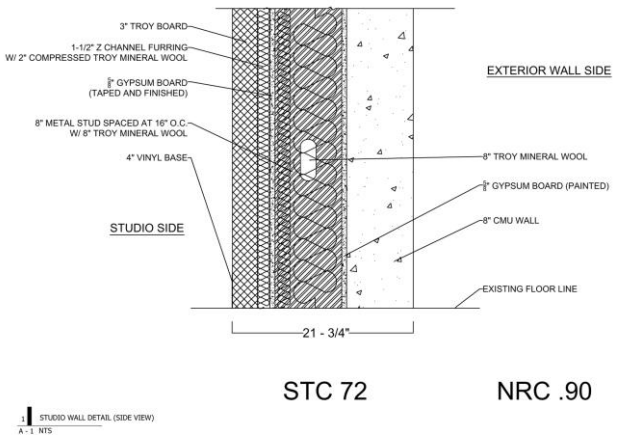
< 0.75 s

In the stage space



*Riverbank Acoustical Laboratories (NVLAP 100227-0) • ASTM C423-17 • 1" Troy Board over 6" mineral wool • RAL™-A18-195 | *See guarantee terms, last page*

ENGINEERED WALLS & CEILING CAP

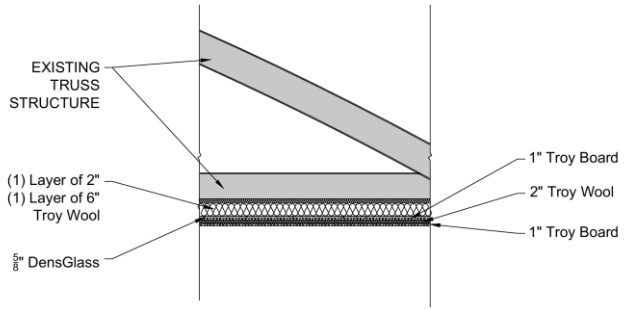


STUDIO WALL

STC 72 · NRC .90

3" Board + 8" Wool

21¾" total



CEILING "CAP"

Under the roof truss

Board + Wool layers

Seals out roof noise



CAP IN PLACE

Lighting grid hangs below

MEP stays above

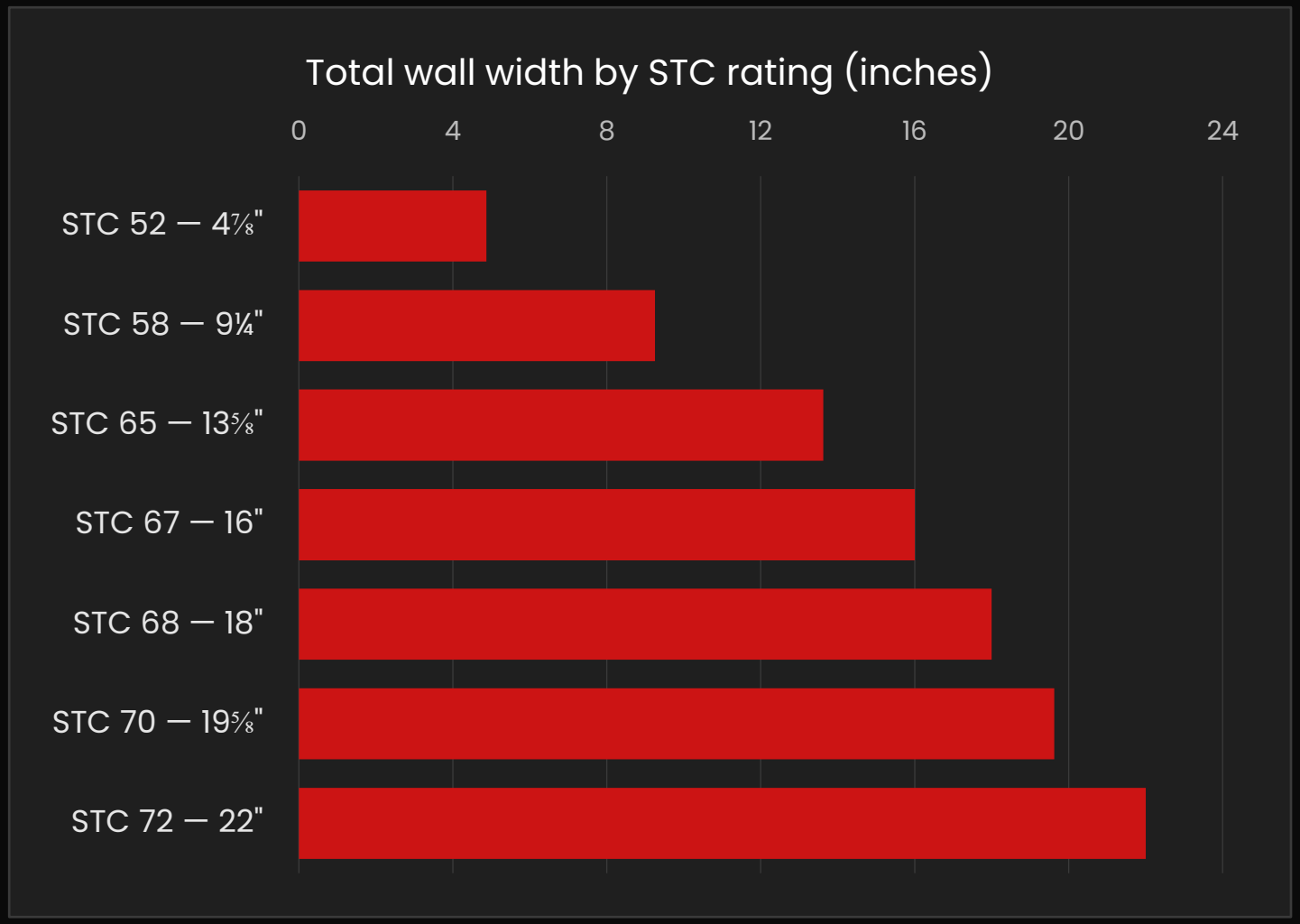


SEALED ACCESS

Code access to MEP

NC rating maintained

PICK YOUR ISOLATION: STC 52–72



UP TO

67%

less wall thickness for the NC you need



Staggered Troy wall, mid-install

STC per Riverbank Acoustical Laboratories — ASTM E90 / E413 (RAL-A11-205, A11-206) • CAC per USG — ASTM E1414-16 • Studs & gypsum not included — source locally

SAFE FOR CAST, CREW & BUILDING



UL Classified Troy Board

0 FLAME SPREAD
UL 723 / ASTM E84

0 SMOKE DEVELOPED
UL 723 / ASTM E84

NO MOLD
ASTM G21 · Accugen

ANTI-MICROBIAL
ASTM E2180 · Accugen

NO TERMITES
Cement-bound board

NON-TOXIC
No hazardous ingredients

UL File R27255 (confirmed by UL Solutions, Oct 22, 2025) | Accugen Reports #175034, #175035 | Troy Board SDS (Apr 2019)

DESIGN / BUILD: STAGE BY STAGE



Bare metal shell



Rough-in studio walls



Stage Troy materials



Framing + conduit



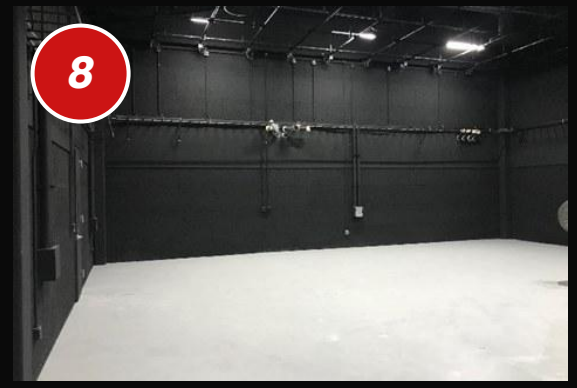
Wool in — inspected



Ceiling cap + MEP



Install to Troy drawings



Painted & field-tested

Final acoustics verified by field testing, followed by a comprehensive Troy report.

WHAT TROY DESIGNS FOR YOU

Full design scope
Coordinated with MEP

NC / NRC / RT
Delivered by design

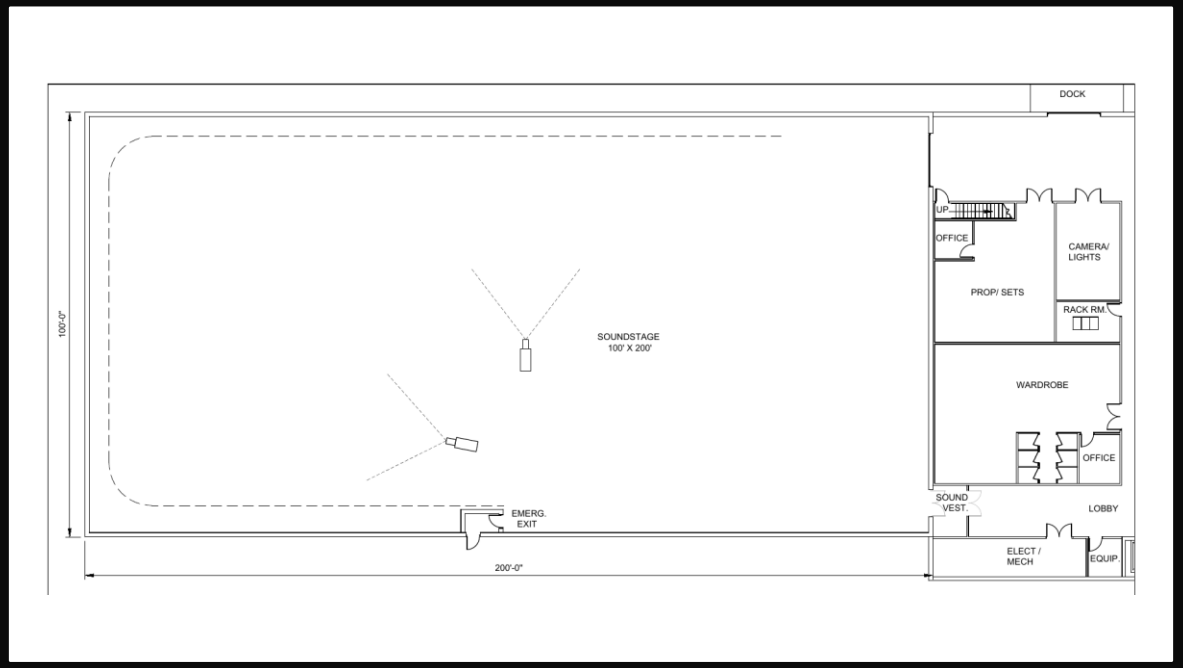
Roof cap
Full STC vs. roof noise

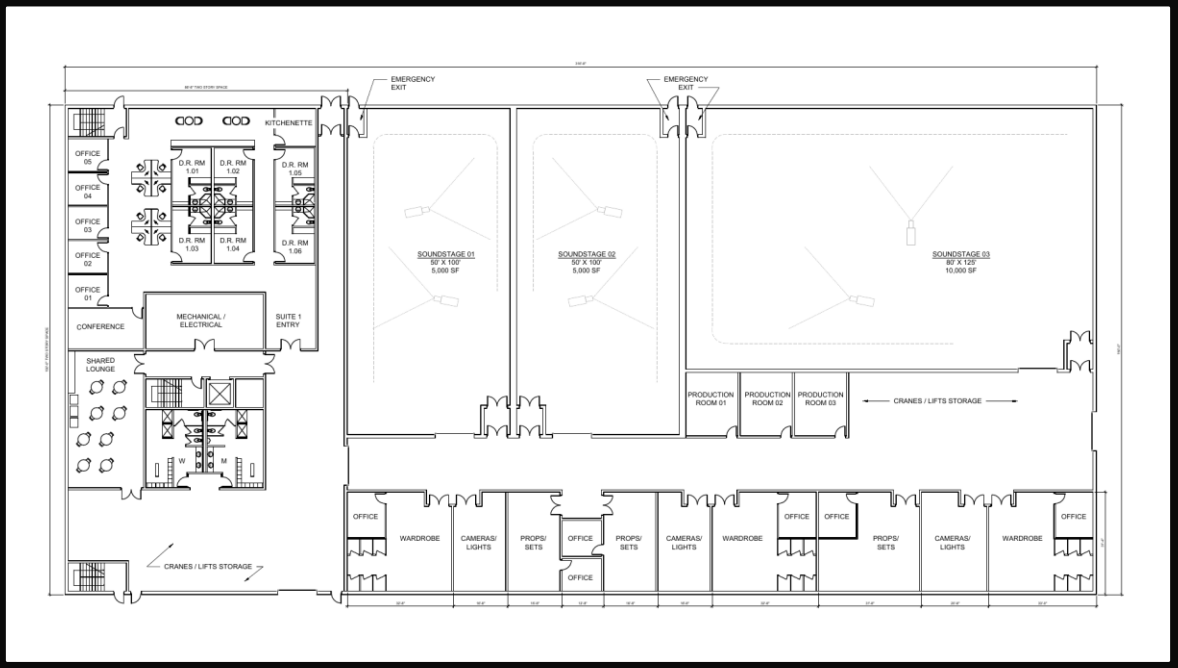
Acoustic windows
Non-parallel glass

Layered Troy
Higher STC & NC

Quiet HVAC
High volume, low velocity

ONE STAGE OR A FULL CAMPUS





20,000 SF

Single 100' × 200' stage + support

60,500 SF

3 stages: 5,000 · 5,000 · 10,000 SF

Preliminary plans. Troy engineers the acoustics for every stage wall and ceiling in the facility.

THE TROY GUARANTEE *Performance you can count on*

NRC 1.00	Max absorption *ASTM C423-17 / E795-16 · RAL™-A18-195*
NC 18*	Guaranteed noise criteria *ANSI/ASA S12.2 NC curves · field-tested*
RT < 0.75 s	Reverberation time *ISO 3382-2 · field-tested*
STC 52–72	Sound isolation *ASTM E90 / E413 · CAC ASTM E1414-16*
UL 0 / 0	Flame / smoke *ASTM E84 / UL 723 · File R27255*
No Mold	Anti-fungal & anti-microbial *ASTM G21 & E2180 · Accugen*
Lifetime	Acoustical warranty *Installed system, per Troy drawings*

CONTACT US TODAY

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TROY ACOUSTICS
SERIOUS. ACOUSTIC. SOLUTIONS.

**Troy site-specific designs are guaranteed to meet your NC design requirements when the Troy System is installed per Troy engineered shop drawings.*