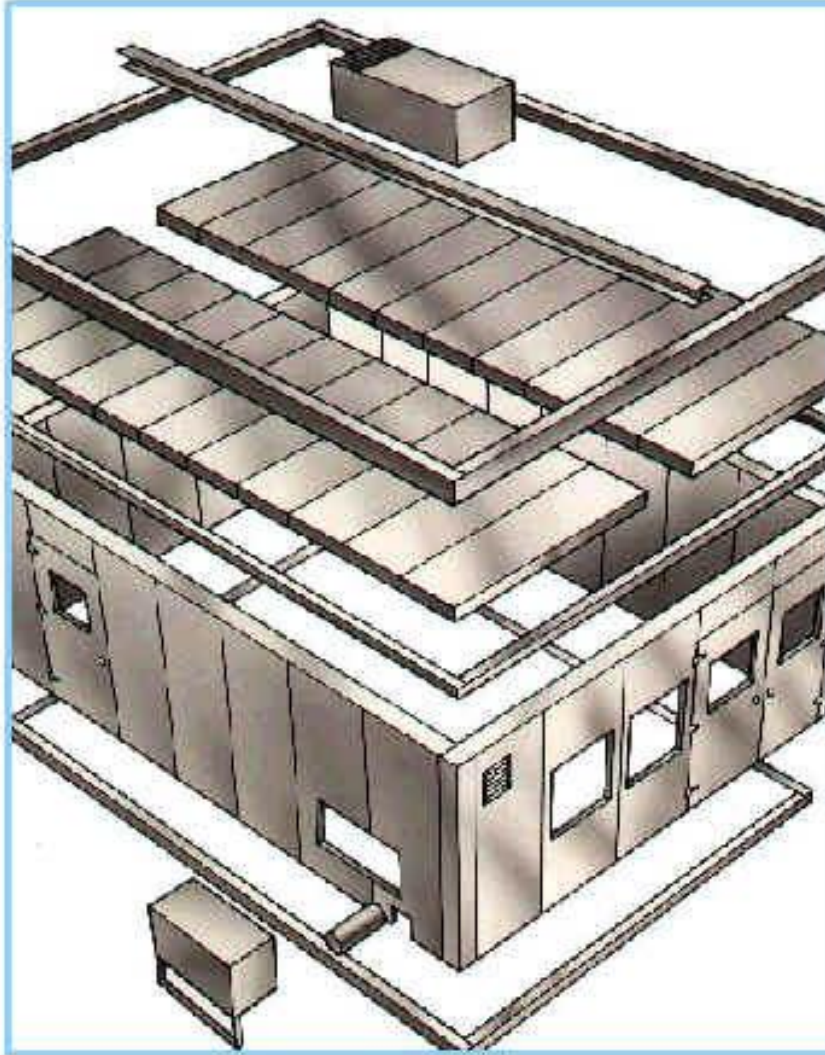


A-Flame

Acoustic Room Specifications



Construction Features, Including Separately Priced Items:

- 4" or 6" thick tongue-in-groove roll formed modular panel construction featuring R-24 thermal value and STC-55, nrc .95 acoustical ratings according to independent laboratory tests.
- All hot dipped non corrosive steel construction consisting of 18-gauge Galvannealed steel exterior skin, 22-gauge perforated Galvannealed steel interior skin, 18 gauge Galvannealed steel solid internal septum barrier, and 18 gauge galvanized side and end channel.
- Fill is 4 lb. density noncombustible, mildew-resistant, vermin proof, non-settling mineral wool, and features an R-16 thermal value. Shop formed corner panels in lieu of field flashed corners for ease of assembly, best appearance, and acoustical integrity. Both interior and exterior corner panel skins are non-perforated 18-gauge

Galvannealed steel.

- Galvannealed steel internal and external flashing and floor channel.
- Insulation wrapped with 2-mil fire retardant polyethylene moisture barrier. Mesh is provided between the wrapped insulation and perforated metal to optimize acoustical absorption.
- Room components come with a primer finish. High scuff and abrasion resistant polyester-epoxy blend smooth semi-gloss powder coat paint finish is available, at extra cost.

Our Web Site: <http://aflame.homestead.com/>

Window & Door Construction:

- A-Flame acoustical doors feature 18-gauge Galvannealed steel interior and exterior solid skins and a 12-gauge Galvannealed steel frame. Hardware includes heavy-duty chrome cam lift hinges, centered chrome latch with inside safety release, double neoprene acoustical gasketing, lower acoustical sweep seal, and cane bolt on inactive leaf.
- Acoustical windows feature double glazed 1/4" # 10 tinted or clear tempered glass and desiccant material between panes to prevent fogging.
- Gray metallized polyester spring retracting pull down shade.

Accessories:

- When enclosures are shipped knocked-down, necessary supplies for a complete installation including pre-cut strip insulation, caulking, sheet metal screws, and floor anchors are provided.
- Structural steel for roof and power supply support is furnished prime painted and pre-punched and is shipped with all necessary fasteners.
- Ladders feature one handrail and are shipped prime painted.
- Engineering approval and final assembly prints provided on AutoCAD. Installation instructions and AutoCAD assembly prints are mailed prior to shipment.
- Properly sized acoustical intake silencers are constructed of galvanized steel and enclosed in 18 gauge Galvannealed steel acoustically lined housings.
- Exhaust penetrations featuring galvanized steel closure channel are included in base prices.

ACOUSTIC CHARACTERISTICS

TRANSMISSION LOSSES IN dB									
Preferred Octave Bands (Hz)									
	63	125	250	500	1000	2000	4000	8000	STC
4" Thick	21	21	30	41	52	59	64	67	42
6" Thick	21	26	43	50	59	62	66	64	50

SOUND ABSORPTION COEFFICIENTS									
Preferred Octave Bands (Hz)									
	63	125	250	500	1000	2000	4000	8000	NRC
4" Thick	0.180	0.750	1.020	1.070	0.980	0.890	0.800	0.860	1.000
6" Thick	0.650	0.600	1.010	1.160	1.080	1.080	1.080	1.080	1.100

All Tests By **Riverbank Acoustical Labs**

Our Web Site: <http://aflame.homestead.com/>

A Typical Room:

10' x 12' x 8' with One (1) 3'-0" x 7'-0" single leaf door without window. One (1) 6'-0" x 7'-0" double leaf with two (2) 12" x 18" double-glazed #10 tint safety sheet glass. One (1) 27" x 36" double-glazed clear safety sheet glass. One (1) gray tint seamless retractable window shade for the 27" x 36" wall window. A 10,000 CFM Inlet Silencer Package. One (1) 48" 4-tube surfaced mounted light, One (1) wall switch, Conduit, wire and roof mounted junction box, Electrical is 115-1-60 NEMA 1 surface mounted.

** The shipping destination state and local taxes are the buyer's responsibility and are not included in the above price. A-Flame is obligated to collect these from the buyer and distribute to the state unless the buyer sends a properly completed exemption certificate from the state of destination with their purchase order.*

Delivery: Normal deliveries are 8 weeks ARO including sufficient time for preparation and submittal of drawings. Special earlier shipment commitments are common upon request.

Option #1: We can provide the services of an expert assembly supervisor. Supervision rates are \$100.00 per hour for straight time and \$125.00 per hour for overtime, i.e., over eight (8) hours per day Monday through Friday, and any time on Saturdays, Sundays or holidays. Travel is actual cost of airfare and purchaser must provide all local transportation. If purchaser fails to specify, vendor will select method based on vendor convenience. Travel time will be charged at above hourly rates and living expense will be charged at cost.

Please contact us with any questions or additional information you may need. We look forward to working with you.

Our Web Site: <http://aflame.homestead.com/>