

Heber Springs Fine Arts Building

Heber Springs, Arkansas

Architect

Jackson Brown Palculict Architects, Inc.



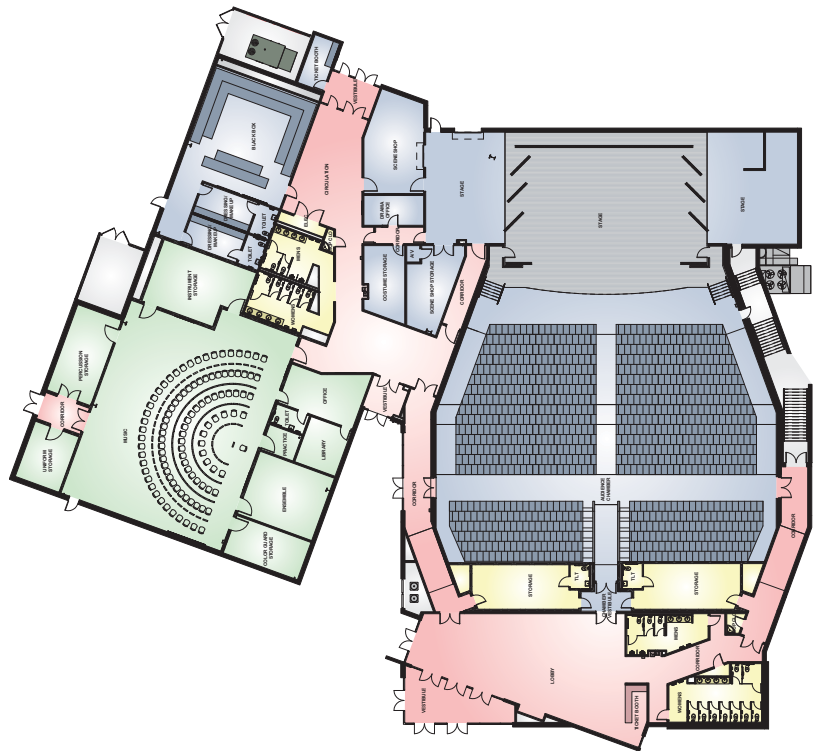
Photos Courtesy of Sifler & Henry, Inc.

The Heber Springs High School Fine Arts Building was part of a combination of assignments listed on the District's millage campaign. Previous attempts to pass a millage had failed.

One of the reasons that JBP Architects was hired as the design professional was because of the firm's winning track record of helping districts pass millages through a process that utilizes discovery workshops with the end users, community, and administrators. The design team was able to help define exactly what the school needed and what the community expected.

With this knowledge and a comprehensive graphic report, the District's administration was able to run a successful campaign and get the votes they needed. The millage passed!

The Fine Arts Building phase of the assignment contains a 1,000-seat audience chamber with two storm shelters below the rear seating, a band room suitable for 100 students and a black box that seats 75. The black box is also designed to be used as a choir classroom and a green room. Both the black box and the band rooms are wired to receive audio and live video from the per-





formance hall. These features will give the waiting performers instantaneous information about what is happening on stage, helping them to engage a performance on cue.

The chosen site and function of the building presented a number of challenges. The primary vehicular approach is from the southeast, while the pedestrian and student approach is from the west. Situated across from the Heber Springs High School Arena, the New Fine Arts Building is used to create an anchor and a visual connection across the parking area between the two.

The design and shape of the structure is intended to visually pull drivers around to the front entry of the building. The building's exterior draws from the materials of the existing campus and introduces a new vernacular. The new materials help to define the entrances, and soften the transition between the mass of the audience chamber and the human scale of the lobby.

The angled reveals on the exterior of the audience chamber help to both break up the scale of the massive structure and act as scuppers for water to leave the roof. That aesthetic is then brought into the audience chamber, where it becomes part of the acoustic treatment. The ceiling "ribs" are precisely calculated to give optimal sound coverage throughout the audience chamber.

The sound booth is equipped with the most up-to-date audio visual equipment, and is situated in the same room as the audience so that the controller can accurately hear and adjust sound quality during a performance. The District has the ability to record and create professional quality DVDs of any performance on the main stage.

Product Information

Building Envelope: Alliance, Dupont Tyvek, CertainTeed, Georgia Pacific, Durolast

Roofing: Alliance, Durolast

Windows: Kawneer

Entrances & Storefronts: Kawneer

Interior: Telling Buildstrong, CertainTeed, Armstrong, American Gypsum, USG, Georgia Pacific

Flooring: Mannington, Roppe, Forbo, Action Floor Systems LLC, Terroxy Resin Systems

Lighting: Pinnacle, Philips, Q-Tran, Pathway Lighting, Evenite, Bruck, Color Kinetics, Starfire, Leviton



Architect

Jackson Brown Palculict Architects, Inc.
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Project Team

Structural Engineer

Engineering Consultants, Inc.
401 W. Capitol Avenue, #305, Little Rock, AR 72201

Mechanical & Electrical Engineer

HP Engineering, Inc.
1800 S. Osage Springs Drive, #110, Rogers, AR 72758

Civil Engineer

CWB Engineers, Inc.
1903 Highway 25B, Heber Springs, AR 72543

General Contractor

Clark Contractors, LLC
15825 Cantrell Road, Little Rock, AR 72223

Acoustical Consultant

Avant Acoustics, Inc.
14827 W. 95th Street, Lenexa, KS 66215

Project General Description

Location: Heber Springs, Arkansas

Date Bid: May 2014

Construction Period: May 2014 to Nov 2015

Total Square Feet: 30,505

Site: 2.3 acres.

Number of Buildings: One; Audience chamber seating 1,000 with 2 storm shelters below the rear seating, band room seating 100; black box seating 75.

Building Sizes: First floor, 30,505; total, 30,505 square feet.

Building Height: First floor, 40'8"; total, 40'8".

Basic Construction Type: New/2-B.

Foundation: Cast-in-place, slab-on-grade.

Exterior Walls: CMU, brick, cementitious siding, metal panel, storefront.

Roof: Membrane, metal. **Floors:** Concrete.

Interior Walls: Metal stud drywall.



DIVISION	COST	% OF COST	SQ.FT. COST	SPECIFICATIONS
PROCUREMENT & CONTRACTING REQ.	90,519	1.17	2.97	—
GENERAL REQUIREMENTS	1,319,848	17.12	43.27	—
CONCRETE	587,000	7.62	19.24	Forming & accessories, reinforcing, cast-in-place.
MASONRY	402,167	5.22	13.18	Unit, manufactured.
METALS	1,027,820	13.33	33.69	Structural steel framing, joists, decking, cold-formed metal framing, fabrications.
WOOD, PLASTICS & COMPOSITES	158,858	2.06	5.21	Rough carpentry, finish carpentry, architectural woodwork.
THERMAL & MOISTURE PROTECTION	241,079	3.13	7.90	Dampproofing & waterproofing, thermal protection, weather barriers, membrane roofing, flashing & sheet metal, joint protection.
OPENINGS	250,143	3.25	8.20	Doors & frames, specialty doors & frames, entrances & storefronts, windows, hardware, glazing.
FINISHES	1,037,814	13.46	34.02	Plaster & gypsum board, tiling, ceilings, flooring, wall finishes, acoustic treatment, painting & coating.
SPECIALTIES	64,228	0.83	2.11	Interior & exterior signage, canopies.
EQUIPMENT	68,262	0.89	2.24	Stage curtain.
FURNISHINGS	145,730	1.89	4.78	Window treatments, auditorium seating.
CONVEYING SYSTEMS	29,068	0.38	0.95	Chair lift.
FIRE SUPPRESSION	95,151	1.23	3.12	Water-based fire-suppression systems, fire-extinguishing systems.
PLUMBING	269,193	3.49	8.82	Piping & pumps, equipment, fixtures.
HVAC	440,000	5.71	14.42	Piping & pumps, air distribution, central heating equipment, central cooling equipment, central HVAC equipment.
ELECTRICAL	1,201,525	15.59	39.39	Medium-voltage distribution, low-voltage transmission, electrical & cathodic protection, lighting.
COMMUNICATIONS	280,000	3.63	9.18	Structured cabling, data, voice, audio video, distributed communications & monitoring systems.
TOTAL BUILDING COSTS	7,708,405	100%	\$252.69	
EARTHWORK	513,288			Site clearing, earth moving, earthwork methods.
EXTERIOR IMPROVEMENTS	307,059			Bases, bollards & paving, striping, signage, landscaping, irrigation.
UTILITIES	188,000			Water, sanitary sewerage, electrical, communications.
TOTAL PROJECT COST	8,716,752			

UPDATED ESTIMATE TO JUNE 2016: \$281.05 PER SQUARE FOOT

Regional Cost Trends

This project, updated to June 2016 in the selected cities of the United States.

EASTERN U.S.			CENTRAL U.S.			WESTERN U.S.		
Sq.Ft. Cost	Total Cost		Sq.Ft. Cost	Total Cost		Sq.Ft. Cost	Total Cost	
Atlanta GA	\$327.29	\$9,984,101	Dallas TX	\$316.62	\$9,658,532	Los Angeles CA	\$423.35	\$12,914,217
Pittsburgh PA	\$412.67	\$12,588,649	Kansas City KS	\$426.91	\$13,022,740	Las Vegas NV	\$387.77	\$11,828,989
New York NY	\$526.52	\$16,061,380	Chicago IL	\$444.69	\$13,565,354	Seattle WA	\$423.35	\$12,914,217

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