

Taney County Justice Center

Forsyth, Missouri

Architect

HMN Architects

Deep in the Ozarks, Taney County, the fastest growing area of Missouri, is home to such attractions as Branson, Shepherd of the Hills, Silver Dollar City, Rockaway Beach and Lake Taneycomo. On September 24, 2008 Sheriff Jimmy Russell started moving inmates into the latest sign of that growth.

The New Taney County Justice Center and Jail designed by Executive Architect HMN Architects, Inc. of Overland Park, Kansas and Springfield, Missouri and Associate Architect Butler Rosenbury & Partners of Springfield is an 116,750-square-foot facility. The three level Justice Center and Jail, constructed of precast concrete and masonry on a steel frame, houses the new 264-bed jail, dispatch center, sheriff's law enforcement, civil and administrative offices. In addition there are two jury trial courtrooms and one non-jury courtroom, judges' chambers, court clerks, prosecuting attorney offices and the juvenile offices.

The project is a testament to the leadership, foresight and perseverance of the Commission, Sheriff Jimmy Russell and Sheriff Theron Jenkins. The old courthouse, completed in 1951, and the jail, designed to house 40 inmates and completed in 1981, were no longer adequate to house the needs of a rapidly expanding population. The facility suffered a tragic jail fire in 1991 and the increasing population made it clear that something had to be done. In 1999 the County Commission, along with Sheriff Jenkins, began the process of planning for a new jail and courts building.

The 264-bed jail has 132-double bunked cells designed to a medium/maximum standard. The 14 dayrooms have either 16 or 20 beds allowing for the highest flexibility in classification housing. A hardened central control center oversees the entire operation of the jail with a satellite control center for each housing area. The cells are precast concrete modules, containing two cells each. The use of precast cells and precast walls took months off construction time, saving the county time and money.



Photos Courtesy of
Gayle Babcock, Architectural Imageworks, LLC



The satellite housing control centers are third generation hybrid direct / indirect open station and are constructed of curved solid surfacing, similar to Corian®. The top of the control center perimeter curves inward and is six feet above the finished concrete floor to help prevent a prisoner from vaulting over it.

The courts area of the facility is 62,350 square feet. The public lobby and courts are equipped with security systems tied to the jail's central control center, as well as a security post in the courts area. The courts are connected to the jail though a secure elevator that opens into a secure area with holding facilities allowing for the separation of co-defendants, attorney client conferences, and

provide both direct supervision by bailiffs and electronic monitoring by central control.

When asked if the new jail met the initial goals and objectives outlined, Sheriff Russell stated "Yes, very much so. Not only does it meet our expectations but exceeds them. During our open house we had an estimate of 600 to 700 people come through our facility. I did not hear one negative word about it. Everyone was very impressed with the security and design."

Manufacturers

- DIV. 3:** *Precast Modular Units:* Tindall.
- DIV. 7:** *Modified Bituminous:* Firestone.
- DIV. 8:** *Windows, Curtainwall, Entrances & Storefront:* Kawneer.
- DIV. 14:** *Elevators:* ThyssenKrupp.

CIVIC CV090724

Taney County Justice Center

Architect

HMN Architects, Inc.
7400 West 110th Street, #200, Overland Park, KS 66210
www.hmnarchitects.com

Construction Team

Structural Engineer:

Johnston Burkholder Associates
930 Central, Kansas City, MO 64105

Construction Manager & Cost Estimator:

Septagon Construction Management
113 East Third Street, Sedalia, MO 65301

Mechanical & Electrical Engineer:

Henderson Engineers, Inc.
8325 Lenexa Drive, Lenexa, KS 66214

Project General Description

Location: Forsyth, Missouri

Date Bid: Oct 2005 **Construction Period:** May 2006 to Sep 2008

Total Square Feet: 116,750 **Site:** 6 acres.

Number of Buildings: One.

Building Size: Garage, 1,000; subterranean, 50,000; basement, 39,750; first floor, 21,000; second floor, 5,000; total, 116,750 square feet.

Building Height: Basement, 14'; first floor, 14' to 14'10"; second floor, 13'6" to 16'8" parapet; 41'6" to top of structure; 44" to parapet.



Basic Construction Type: New/Structural Steel load bearing precast.

Foundation: Cast-in-place, pier & grade beam, reinforced concrete. **Exterior Walls:** Brick, curtainwall, precast concrete, modular units. **Roof:** Modified bitumen. **Floors:** Concrete. **Interior Walls:** CMU, metal stud drywall, precast.

C.S.I. Divisions

		COST	% OF COST	SQ.FT. COST
1.	1.	273,502	1.09	2.34
1.	3.	5,335,856	21.25	45.70
3.	3.	4,005,470	15.95	34.31
4.	4.	1,545,600	6.16	13.24
5.	5.	1,895,000	7.55	16.23
6.	6.	468,271	1.87	4.01
7.	7.	675,383	2.69	5.78
8.	8.	979,390	3.90	8.39
9.	9.	2,479,612	9.88	21.24
10.	10.	46,403	0.18	0.40
11.	11.	1,000,000	3.98	8.57
14.	14.	247,357	0.99	2.12
15.	21.	303,498	1.21	2.60
15.	22.	1,258,500	5.01	10.78
15.	23.	1,376,000	5.48	11.79
16.	26.	1,894,000	7.54	16.22
16.	27.	124,000	0.49	1.06
16.	28.	1,200,000	4.78	10.28
TOTAL BUILDING COSTS		25,107,842	100%	\$215.06
2.	2.	4,500		
2.	31.	894,822		
2.	32.	395,836		
2.	33.	797,000		
TOTAL		27,200,000		

SPECIFICATIONS

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General conditions, fees, testing, contingency, allowances, change orders.
Forming & accessories, reinforcing, cast-in-place, precast, cast decks & underlayment, grouting.
Unit, manufactured masonry.
Structural metal framing, joists, decking, cold formed metal framing, fabrications, decorative metal.
Rough carpentry, finish carpentry, architectural woodwork.
Dampproofing & waterproofing, thermal protection, weather barriers, roofing & siding panels, membrane roofing, flashing & sheet metal, roof & wall specialties & accessories, fire & smoke protection, joint protection.
Doors & frames, specialty doors & frames, entrances, storefronts, & curtainwalls, windows, hardware, glazing.
Plaster & gypsum board, tiling, ceilings, flooring, wall finishes, acoustic treatment, painting & coating.
Information, interior, safety, storage.
Vehicle & pedestrian, security, detention, & banking, commercial, foodservice, entertainment, athletic & recreational, healthcare.
Elevators (4 with options for a 5th).
Water-based fire-suppression systems, fire-extinguishing systems.
Piping & pumps, equipment, fixtures.
Piping & pumps, air distribution, central heating equipment, central cooling equipment, central HVAC equipment.
Medium-voltage distribution, low-voltage transmission, facility electrical power generating & storing equipment, electrical & cathodic protection, lighting.
Structured cabling, data, voice, audio-video, distributed communications & monitoring systems.
Access control & intrusion detection, surveillance, detection and alarm, monitoring & control.

Assessment, subsurface investigation, demolition & structure moving.
Site clearing, earth moving, excavation support & protection, special foundations & load bearing elements.
Bases, bollards, & paving, improvements.
Water, sanitary sewerage, storm drainage, hydronic & steam energy, electrical.

(Excluding architectural and engineering fees)

UPDATED ESTIMATE TO AUGUST 2009: \$261.56 PER SQUARE FOOT

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