

Richland County Jail

Mansfield, Ohio

Architect

MKC Associates, Inc.



Photos Courtesy of Barbara J. Harmon (Exterior)

The Richland County Jail in Mansfield, Ohio is an addition to the existing Richland County Courthouse. A pedestrian bridge connects the new two-story, 81,200-square-foot jail. The jail designed by MKC Associates, Inc. in cooperation with PSA-Dewberry as Associate Architect, houses prisoners from Richland County and the City of Mansfield and was completed in June 2008.

The new 260-bed facility includes housing for eight maximum security ranges with 50 cells with 50 beds one per cell. The facility also includes two minimum security ranges with 18 cells with 36 beds two per cell along with 10 Dormitory ranges with 174 beds.

Of the 260 total beds, 206 beds are allocated for male inmates and 54 beds are for female inmates. The facility also features two medical isolation cells, two protective custody cells and two cells for juveniles.

The facility is equipped with a full-service, state-of-the-art kitchen capable of producing 1,000 meals per day, including meals for the Community Alternative Jail facility and the County's Juvenile Attention facility.

The facility also features state-of-the-art video visitation equipment, thereby eliminating contact visits. Inmates are seated in front of a video monitor inside of their designated housing unit, which prevents unwanted movement by the inmates. Reducing the movement by inmates results in reduced staffing costs and increases the overall security to the facility.

Manufacturers

DIV. 7: Built-Up: Garland.

DIV. 8: Window, Entrances & Storefronts: Kawneer.

DIV. 9: Seamless Epoxy: 3M; VCT: Mannington.

DIV. 14: Elevators: Otis.

DIV. 26: Lighting: Lithonia, Kenall.



Photos Courtesy of Scott Pease Photography (Interior)



CIVIC CV0907XX

Richland County Jail

Architect

MKC Associates, Inc.
40 W. Fourth Street, Mansfield, OH 44906
www.mkcinc.com

Associate Architect

PSA Dewberry
401 S.W. Water Street, Peoria, IL 61602
www.psadewberry.com

Construction Team

Structural Engineer:

Korda/Nemeth Engineering, Inc.
1650 Watermark Drive, #200, Columbus, OH 43215

Construction Manager & Cost Estimator:

Bovis Lend Lease
111 W. Rich Street, Columbus, OH 43215

Mechanical Engr. & Detention Security Electronics Consultant

PSA Dewberry
401 S.W. Water Street, Peoria, IL 61602

Electrical Engineer:

MKC Associates, Inc.
40 W. Fourth Street, Mansfield, OH 44906

Civil Engineering Consultant

K. E. McCartney & Associates
52 N. Diamond Street, Mansfield, OH 44902

Project General Description

Location: Mansfield, Ohio **Date Bid:** June 2006

Construction Period: Oct 2006 to June 2008.

Total Square Feet: 81,200 **Site:** 1.6 acres.

Number of Buildings: One.



Building Size: First floor, 25,292; second floor, 24,709; third floor, 24,709; penthouse, 6,490; total, 81,200 square feet.

Building Height: Floor to floor, 15'4"; penthouse, 15'4"; total, 61'4".

Basic Construction Type: New, Cast-in-place concrete super structure with CMU veneer.

Foundation: Concrete. **Exterior Walls:** CMU, brick.

Roof: Built-up. **Floors:** Concrete.

Interior Walls: CMU, metal stud drywall.

C.S.I. Divisions		COST	% OF COST	SQ.FT. COST	SPECIFICATIONS
1.	1. PROCUREMENT & CONT. REQ. GENERAL REQUIREMENTS	1,909,200	10.20	23.51	<p>Summary, price & payment procedures, administrative requirements, quality requirements, temporary facilities & controls, product requirements, execution & closeout requirements, performance requirements.</p> <p>Forms & accessories, reinforcement, cast-in-place, cast decks & underlayment, grouting, mass.</p> <p>Unit, stone assemblies.</p> <p>Structural framing, joists, decking, cold-formed metal framing, fabrications.</p> <p>Rough carpentry, finish carpentry, architectural woodwork.</p> <p>Dampproofing & waterproofing, thermal protection, weather barriers, roofing & siding panels, membrane roofing, flashing & sheet metal, roof & wall specialties & accessories.</p> <p>Doors & frames, entrances, storefronts, & curtainwalls, windows, hardware, glazing.</p> <p>Plaster & gypsum board, tiling, ceilings, flooring, wall finishes, painting & coating.</p> <p>Information, interior, storage.</p> <p>Commercial, food service.</p> <p>Casework.</p> <p>Elevators (2).</p> <p>Water-based fire-suppression systems, fire-extinguishing systems, fire pumps.</p> <p>Piping & pumps, equipment, fixtures.</p> <p>Facility fuel systems, piping & pumps, air distribution, air cleaning devices, central heating equipment, central cooling equipment, central HVAC equipment.</p> <p>Medium-voltage distribution, low-voltage transmission, facility power generating & storing equipment, lighting.</p> <p>Data.</p> <p>Access control & intrusion detection, surveillance, detection & alarm, monitoring & control.</p> <p>Demolition.</p> <p>Site clearing, earth moving, methods, shoring & underpinning, support & protection, special foundations & load-bearing elements.</p> <p>Bases, bollards, & paving, improvements, planting.</p> <p>Water, sanitary, storm drainage, electrical.</p> <p>(Excluding architectural and engineering fees)</p>
3.	3. CONCRETE	2,801,000	14.97	34.50	
4.	4. MASONRY	2,500,000	13.36	30.79	
5.	5. METALS	490,000	2.62	6.03	
6.	6. WOOD, PLASTICS & COMPOSITES	100,000	0.53	1.23	
7.	7. THERMAL & MOISTURE PROTECTION	575,000	3.07	7.08	
8.	8. OPENINGS	145,000	0.77	1.79	
9.	9. FINISHES	895,000	4.78	11.02	
10.	10. SPECIALTIES	85,000	0.45	1.05	
11.	11. EQUIPMENT	1,380,000	7.37	17.00	
12.	12. FURNISHINGS	50,000	0.27	0.62	
14.	14. CONVEYING SYSTEMS	368,000	1.97	4.53	
15.	21. FIRE SUPPRESSION	219,000	1.17	2.70	
15.	22. PLUMBING	1,824,000	9.75	22.46	
15.	23. HVAC	2,207,000	11.79	27.18	
16.	26. ELECTRICAL	1,940,000	10.37	23.89	
16.	27. COMMUNICATIONS	98,000	0.53	1.21	
16.	28. ELECTRONIC SAFETY & SECURITY	1,128,000	6.03	13.88	
	TOTAL BUILDING COSTS	18,714,200	100.00	\$230.47	
2.	2. EXISTING CONDITIONS	25,200			
2.	31. EARTHWORK	885,000			
2.	32. EXTERIOR IMPROVEMENTS	125,000			
2.	33. UTILITIES	166,000			
	TOTAL	19,915,400			

UPDATED ESTIMATE TO AUGUST 2009: \$266.61 PER SQUARE FOOT

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