



AFCS PRODUCT: JOINT CONSTR. MANAGEMENT SYSTEM (JCMS)

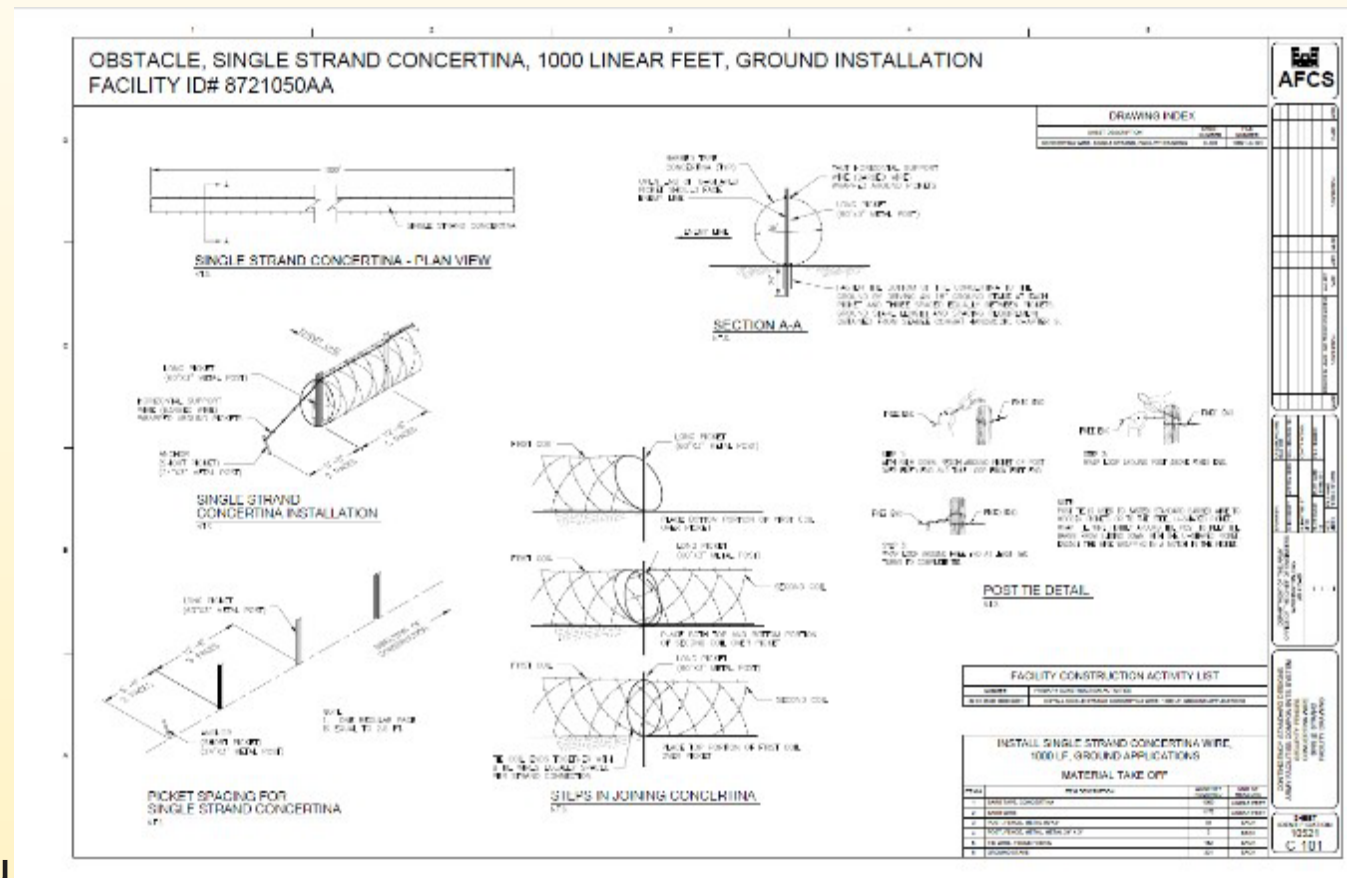


JCMS Software comes in two forms:

- **View** (web-based)
<https://jcms.army.mil>
- **Desktop** – Available for download or DVD request at <https://uroc-redi.usace.army.mil/sites/afcs/>

Both forms of JCMS contain what can be thought of as a **Library or Archive of Contingency Construction Data**

JCMS Desktop's Design and Construction module can be thought of as a **Configurator, like on a Car Website**. You have the ability to site-adapt your design and save it to a project that you can share.





Site Selection: Querying spatial data for prioritizing potential locations to build

Master Planning: Providing military senior leaders and staff a basis for large-scale Base Camp Planning

Facility Designs: Accessing standardized contingency drawings

Estimating: Determining costs, bills of material (BOM), and Labor & Equipment Estimates (LEE) for construction projects

Logistics and Forecasting: Estimating gross weight, size and cost for BOM

Material and Construction Specifications: Using construction activities and Theater Oriented Guide Specifications (TOGS)

the **Project Management:** Managing timelines, resources, cost and quality control during construction project life cycle

UNCLASSIFIED

ERDC HEATMAP GENERATION

UNCLASSIFIED

ERDC LINE OF SIGHT ANALYSIS

Project: IMPORT

NSN	Nomenclature	Unit of Issue	Qty	Price	Extended Price	Short Tons	Measured Tons
9505-00-244-7554	WIRE, NONELECTRICAL, 0.148 INCH DIA, 1705 FEET LONG	CL	4,800.00	\$208.74	\$572.54	0.14	0.191
9505-01-669-3628	WIRE, NONELECTRICAL, TENSTON SPIRAL, 2 GA	RO	20,438.00	\$514.50	\$10,515.35	1.03	4.599

3.1.6.2 Plates

Use plates for walls and partitions of the same width as the studs to form continuous horizontal ties. Splice single plates and stagger the ends of double plates. Use double top plates in walls and bearing partitions. Double top plates will be built up of two 2-inch thick members. Top plates for nonbearing partitions must be single or double plates of the same size as the studs. Nail lower members of double top plates and single top plates to each stud and corner post with two 16-penny nails. Nail the upper members of double plates to the lower members with 10-penny nails placing two near each end, and staggered 16 inches o.c. between the ends. Nail sole plates through the subfloor to each joist and header. Stagger the nails. Anchor sole plates to concrete with expansion bolts. Place one expansion bolt at each end and spaced 6 feet or less o.c. If using powder-actuated fasteners place one at each end and spaced 3 ft. or less o.c.

A typical Wall section in Platform framing

1. Cripple
2. Window Header
3. Top Plate / Upper Wall Plate
4. Window Sill
5. Stud
6. Sill Plate / Sole Plate / Bottom Plate

Figure 14. Wall Components

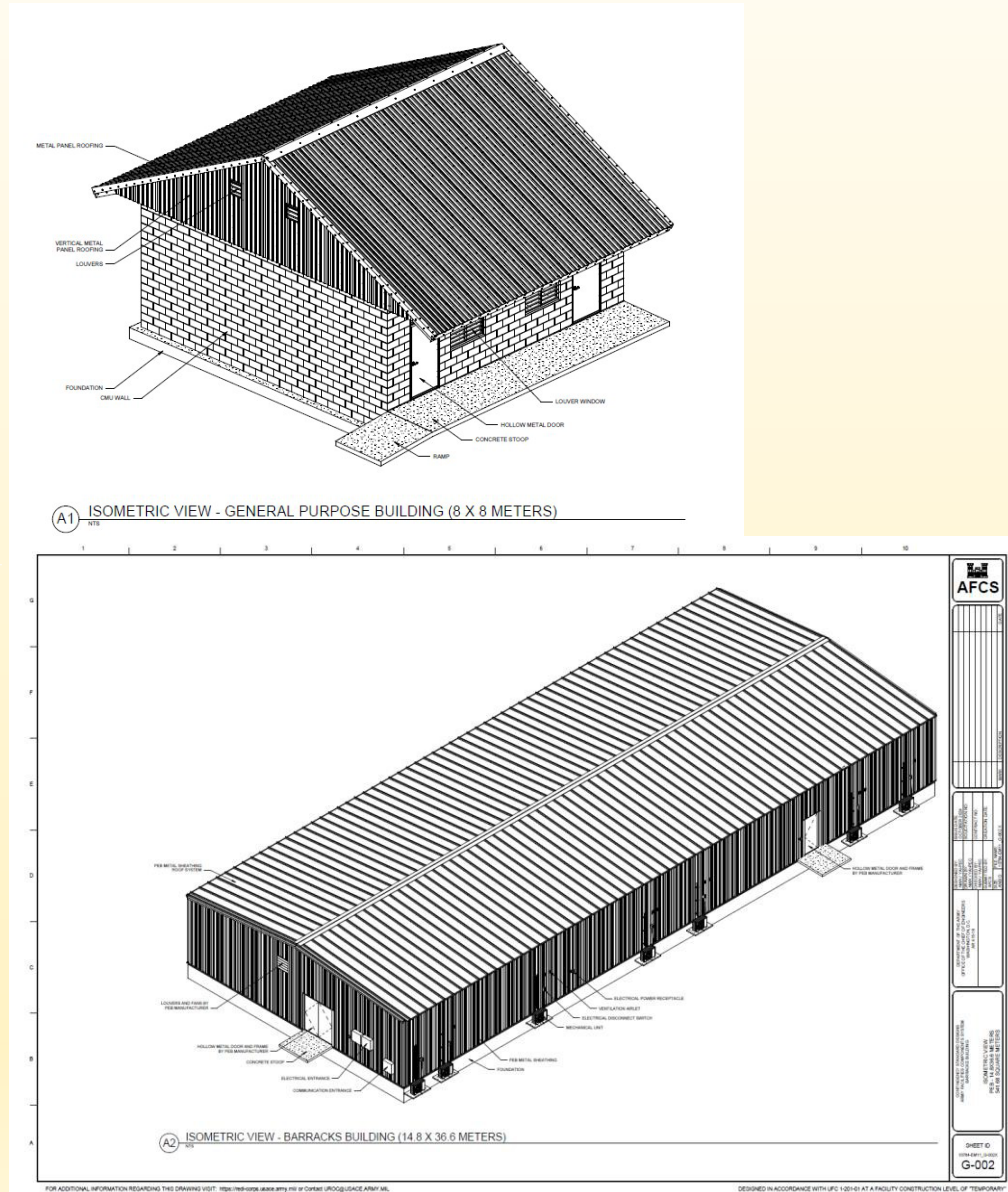


AFRICOM

- 8x8, 8x16, and 8x24 meter General Purpose buildings;
- Designs complete
- Available in JCMS by end of 2024

EUCOM

- 40 common designs on the USAREUR-AF Engineer Contingency Construction list
 - 2 obstacles available in JCMS
 - 16 design complete; available in JCMS by end of FY25
 - 9 designs scheduled during FY25
- 25 Previous Metric conversions of existing designs available in JCMS currently





REACHBACK AND RFI'S

AFCS Reachback Engineering Data Integration Portal (REDi):

WEB: <https://redi.usace.army.mil/sites/afcs/default.aspx>;

EMAIL: UROC@usace.army.mil; SUBJECT: JCMS

PHONE: **COM:** 601-634-2439; **DSN:** 312-446-2439; **Toll Free:** 800-215-2079

WEB PORTAL SERVICES:

- Software Requests and Technical Assistance
- Submit AFCS Designs and Software Feedback
- RFI Submittal
- Training Support Requests
- Course Content Download
- Data Updates

JCMS View: <https://jcms.army.mil>

