



CENTRIA

GOOSE CREEK
CORRECTIONAL CENTER



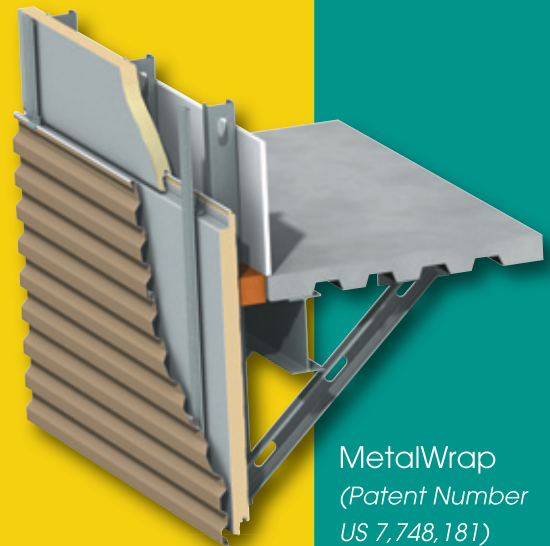
The architect chose MetalWrap™ Series because it combines the best properties of an air and vapor barrier with insulation and a metal drain plane all in one innovative, affordable panel.

In Ovation

One of the largest construction projects to take place in Alaska, the Goose Creek Correctional Facility is a new, \$240 million, 1,536 bed, medium-security correctional center for long-term male felony offenders. The new facility is currently being constructed on a 330-acre tract located in a remote area approximately one-and-one-half hours north of Anchorage. When completed in December 2011, Goose Creek Correctional Center will include 430,000 square feet of buildings on a 135-acre cleared compound. The compound will have five separate buildings; Outside Administration, Warehouse, Vehicle Maintenance, Support/ Visitation and General Housing.

Providing a Line of Defense

To create a modern design, the architect wanted to use profiled metal foam panels on the outside of the buildings, which generally have lower insulation ratings than flat foam panels. Due to the harsh Alaska weather, this would mean sacrificing energy efficiency, which wasn't an option. Choosing to explore the latest option in insulated wall systems, the architect ultimately selected CENTRIA's MetalWrap and an exterior profiled rainscreen system from CENTRIA.



MetalWrap
(Patent Number
US 7,748,181)

MetalWrap is available in a series to work with various exterior wall systems. The thermal, air and moisture backup panel system was designed specifically for CENTRIA non-insulated metal rainscreen wall systems. This exciting new product maximizes a metal wall system's ability to effectively control moisture without sacrificing thermal efficiency.



“CENTRIA's MetalWrap is ideal for northern climates and extreme weather differentials. It provides a highly insulated exterior wall to the outside of the building's frame system, which eliminates thermal transfer through the steel studs. In addition, it provides superior performance and a pressure equalized rain screen system which is a must in any extreme climate. Typical insulated steel stud wall systems struggle to achieve an insulated value of R-11, but the installed 3" MetalWrap panel provides an R-21. Contractors love that it provides a fast way to get the building dry and insulated without risking damage to the final exterior skin, which can be installed later in the construction schedule.”

– Preston Rudderow, ExTech Systems

Project Summary

Owner:

State of Alaska Department of Corrections

Architect:

kpb architects , Anchorage, AK

HOK, Dallas, TX

CENTRIA Dealer:

Snyder Architectural Systems, Gig Harbor, WA

ExTech Systems LLC, Anchorage, AK

General Contractor/Installer:

Neeser Construction, Anchorage, AK

CENTRIA Product(s) Used:

MetalWrap™ Series

Versawall® Insulated Siding

Concept Series®: CS-200

CS-260

Concept Series MicroSeam Corners

Exterior Project Size: 430,000 square feet

Construction Cost: \$240 M

Completion Date: December 2011



Over 40,000 square feet of panels were installed on three buildings at the Goose Creek Correctional Center.

Administration Building

15,660 square feet of 3" MetalWrap

- 5,300 square feet – CS-260
- 7,200 square feet – CS-200

Warehouse and Vehicle Maintenance Buildings

28,000 square feet – 2 ¾" Versawall Foam Insulated-Metal Panels

The energy efficiency and cost savings of MetalWrap are making it a top choice for architects and builders. MetalWrap offers a single component, insulated composite backup panel that solves the inefficiencies associated with typical multi-component wall systems. For the Goose Creek project, MetalWrap was installed directly over steels studs. Despite the amount of moisture being pumped in via propane fueled heat, the inside surface stays completely dry thanks to MetalWrap's superior performance.

Compared to alternatives, MetalWrap's unmatched ability to effectively control moisture without sacrificing thermal efficiency provides an affordable solution to modern design needs.

Installation is also made easier. Requiring only one trip to the wall for installation of the backup system, MetalWrap can save both money in labor costs and time on the job.

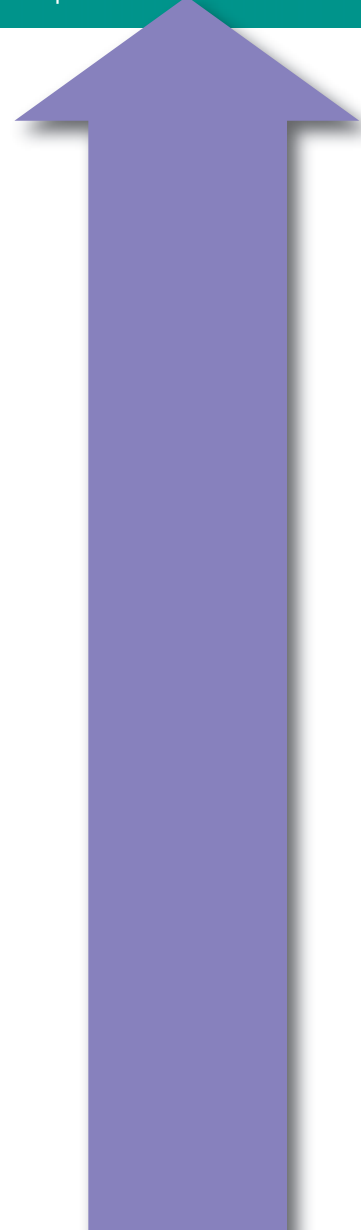
Pioneering a Better Way to Build

Distinctively engineered to perform in any climate, MetalWrap allows architects to choose the exterior they want for the look they desire – providing the right material for the right climate without sacrificing modern aesthetics.

Due to its superior insulation, moisture protection and durability, MetalWrap can help buildings earn LEED® points in categories such as energy and atmosphere, materials and resources, and indoor environmental quality. Because of MetalWrap's high volume of recycled content and the environmental friendliness of its component materials, it has earned Cradle to Cradle® Silver certification, enabling buildings using it to be eligible for LEED credits in innovation and design.

"CENTRIA MetalWrap was a great solution for the project. Metal Wrap allowed us to close up the building in an efficient way, plus the flexibility of the Concept Series helped meet the design aesthetic we were looking for. Designing in the Alaskan environment always has its challenges. Metal Wrap exceeded our expectations and we have continued to specify MetalWrap on other projects."

– Andrew Weiss,
kpb architects





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Call 800-759-7474 or visit our website at www.CENTRIA.com

CENTRIA is an international company and the nation's premier supplier of architectural metal wall and roofing systems used in commercial and industrial building construction. Since 1906, CENTRIA professionals have provided quality products and services for architectural and construction firms worldwide.