

# TrussWall® Changes the Industry PART 1, 1980-2006

Based on Trussbilt's 85 year history of producing high quality detention products and its unmatched record of new product development, TrussWall has transformed the detention construction industry.

## High Desert State Prison, Indian Springs NV 672 cells • Total project cost \$94.5M



“The High Desert project was my first experience with Trussbilt, and from the beginning I was impressed with their “can-do” attitude. From engineering to fabrication to shipping, Trussbilt is flexible and will try to accommodate any requests to the best of their ability. Their highly capable engineering staff can develop fully designed systems to integrate with any building.

The TrussWall system allowed us to build the structure and shell for this project without worrying about building access for material delivery. The panels can be brought in through any doorway and then be assembled inside, giving us maximum flexibility in scheduling trades. Trussbilt was able to increase their fabrication schedule to meet the demands of the project, including pre-build and stock, to supply their product on-demand. They provide immediate field support for any QA/QC issues, with field technicians on-site to address any owner concerns.

Trussbilt continually offers cutting-edge technologies. They have a track record of developing new and better products like grouted panels and seamless finish systems to meet the changing needs of our industry.”

Tony Ewalt, VP/Division Manager  
Siletco Corrections



“Arington Watkins is committed in the design of high quality detention facilities, and Trussbilt's support as we developed specifications for High Desert helped ensure that result. Several key Trussbilt differentiators were as follows:

- Because of the limited site area available for HDSF Phases 4 and 5, specifying TrussWall panels provided considerable building footprint space savings.
- The State was concerned about possible corrosion with metal panels, so Trussbilt's ability to fabricate water resistant stainless panels solved a key concern of the project's user groups.
- The quality of Trussbilt's shop drawings meant that minimum interaction was needed throughout the design process.

The TrussWall system facilitates great flexibility in sequencing during construction. On another similar project, Trussbilt's flexibility in sequencing meant the GC did not end up behind schedule because of a mistake in the ordering of structural steel. This lesson learned allowed us to develop a system that included a column-in-the-chase concept so that TrussWall panels could be installed anytime during the construction process, with or without the roof structure in place. On the HDSF Phase 4 and 5 project, an existing vehicle liftport required that modular units would either have to be lifted by crane over an existing perimeter or sliding gates would need to be removed and modified. These are not sound construction practices, and using TrussWall panels allowed us to avoid those choices.

Trussbilt's customer service, response to issues during design, and overall engineering support greatly contributed to the High Desert project's success. And, the end product was a facility that is both highly secure and aesthetically pleasing.”

Peter Sangiorgio, Associate Architect/Project Director  
Arington Watkins Architects



## TrussWall Cell System

TrussWall® Security Wall Panels

TrussDoor® Security Doors and Frames

TrussDek®, BarrierDek® and SecureDek® Security Ceilings

TrussFloor® Security Floor/Ceiling System

TrussCoat® Finish Paint

## Oregon Men's Prison, Madras OR 406 cells • Total project cost \$180M



“Trussbilt's product quality, production capacity and customer support were key to the success of the Madras project. Their engineering staff members were full partners in the project's design, consistently producing exemplary work. Trussbilt's production capacity and short lead times meant they could produce and deliver products in the early phases of the project, giving OMI maximum flexibility in installation and allowing the GC to accelerate the construction schedule. Additionally, they shrink-wrapped the pallets before shipping, which meant their products were protected from the weather, a critical factor in ensuring product quality. OMI is committed to meeting every project's needs for timely installation of high quality products, and Trussbilt works with us to make sure of that result.”

Mike Langersmith, President and CEO,  
OMI Specialties Inc.



“Scheduling projects in the northwest is challenging due to weather. Drying in a building to allow interior work to proceed is critical to completing the project on schedule. On the Madras project, our schedule was suffering due to the late arrival and logistics of shipping precast modules to a remote site. Using TrussWall panels gave us the flexibility to enclose the building immediately so work could proceed throughout the building. Since TrussWall panel installation does not require a crane, we did not need to leave holes in the roof or wait for cranes to install – we were able to install roofing over the housing units prior to installing the cell walls.

The TrussWall cell system allowed the architect to design the exterior wall out of precast concrete, which provided the exterior structure and one-cell wall. And, using TrussWall panels for the ceiling of the second story meant replacing a concrete ceiling's form, shore, rebar and pour activities with one operation – installing ceiling panels. This allowed us to maintain schedule, avoid a messy concrete pumping activity, and greatly reduced the dead load of concrete. We worked with Trussbilt's engineering team to ensure that the structural engineer of record, who was not familiar with the system, agreed that the system provided adequate structural support.

Altogether, the flexibility of the TrussWall cell system, along with Trussbilt's ability and willingness to work with us on design issues, were key components of this project's success.”

Jeff Stewart, Project Superintendent  
Lydig Construction



### PROJECT RESUME: PART 1, 1980 - 2006 (# OF CELLS)

1980  
Dane County Jail,  
Madison WI (200)

1994  
Martin Hall  
Juvvenile Facility,  
Medical Lake WA  
(740)

2001  
4th Avenue Jail,  
Phoenix AZ (1100)  
Smaller projects,  
all states (2)

2002  
Smaller projects,  
all states (125)

2003  
Jan Evans Juvenile  
Justice Ctr, Reno NV (105)  
Northwest Deten Ctr,  
Tacoma WA (180)  
Kinney County Deten Ctr,  
Brackentille TX (128)  
Harris County Juvenile  
Justice Ctr, Houston TX (283)  
Smaller projects, all states (15)

2004  
Youth Services Ctr,  
San Mateo CA (147)  
McHenry County Jail Expan,  
Woodstock IL (143)  
Smaller projects,  
all states (640)

2005  
Oregon Men's Prison,  
Madras OR (406)  
Metro Deten Ctr,  
Los Angeles CA (160)  
Winnemago County Justice Ctr,  
Rockford IL (160)  
Bibb County Jail Addition,  
Macon GA (132)  
Smaller projects, all states (573)

2006  
High Desert State Prison, Indian Springs NV (672)  
Washoe County Deten. Expansion, Reno NV (144)  
Poli County Jail, Des Moines IA (131)  
Montgomery County Jail, Montgomery AL (277)  
Smaller projects, all states (227)

When complemented with Trussbilt's other security products, the TrussWall Cell System is the most integrated, cost effective solution available.



# Trussbilt

Leading Innovator of  
Security Products for  
Over 85 Years

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For more information visit [www.trussbilt.com](http://www.trussbilt.com) or call 651.633.6100

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