

NSW RUGBY CENTRE



Architect

Cox Architecture

Builder

Kane Constructions Pty Ltd

Fabricator

Arch System Fabrication Pty Ltd

Capral Products

AGS High Performance Sliding
Door

AGS 225 Door

AGS 429 Flushline Double Glazed

AGS 629 Flushline Double Glazed

AGS 50 Awning Sach

CAPRAL
ALUMINIUM

ADVANCING PERFORMANCE AND DEVELOPMENT

The NSW Rugby Centre of Excellence, located at the David Phillips Sports Complex in Daceyville, opened in December 2022. This state-of-the-art facility blends athletic training with innovative design, fostering rugby talent and advancing the sport's legacy. The centre plays a pivotal role in shaping the future of rugby in New South Wales, providing a comprehensive environment for player development and performance enhancement.

The centre's primary objective was to establish a centralised location where players, coaches, and administrators could connect and collaborate. The facility offers a comprehensive environment for emerging talents to develop under expert guidance, featuring advanced training areas, recovery spaces, and analysis rooms supporting elite performance and grassroots development.

Cox Architecture rose to the challenge of designing a structure embodying functionality and inspiration. Their vision was to create a building that captures the dynamic spirit of rugby while harmoniously integrating with the David Phillips Sports Complex. To achieve this delicate balance of form and function, Capral's innovative window and door systems played a crucial role, seamlessly merging aesthetic appeal with high-performance capabilities.

One of the standout features of the centre is the seamless transition between indoor and outdoor areas. This was achieved through the strategic use

of the AGS 900 Sliding Door system. These large-format doors not only provide easy access to training fields but also allow for abundant natural light and ventilation.

In addition to its role as a sliding door system, the AGS 900 was also featured as a window solution throughout the NSW Rugby Centre. This versatile application showcases the system's adaptability and adds to the facility's look and function. The centre maintains architectural consistency and weather resilience by using the AGS 900 system for both doors and windows.

For the centre's main entrances and internal doorways, the AGS 225 Door system was employed. Known for its strength and reliability, this system was chosen to withstand daily use in a busy sporting facility. The AGS 225 Door system offers excellent weather resistance and security features, which are crucial for a building of this nature. Its sleek design also complements the centre's modern aesthetic, proving that functionality need not come at the expense of style.

The AGS 629 Flushline framing system enhances the centre's facade with clean, uninterrupted lines and large glass expanses, maximising natural light. Complementing this, the AGS 50 Series Awning Windows provide controlled ventilation and scenic views, seamlessly integrating functionality with the building's modern aesthetic.

The successful implementation of Capral Systems in the NSW Rugby Centre of Excellence owes much to the expertise and craftsmanship of Arch System Fabrication. One of the key strengths that Arch System Fabrication brought to the project was their ability to customise solutions for unique architectural requirements. The NSW Rugby Centre of Excellence featured several bespoke elements that required innovative approaches to fabrication.

For instance, the high-level highlight windows on the east elevation presented a particular challenge. These windows, spanning the entire width of the facade, required precise alignment with structural elements and careful consideration of glazing methods. Arch



System Fabrication developed a custom solution, incorporating structurally glazed mullions that aligned perfectly with the building's steel framework.

To further ensure compliance and optimal performance, Arch System Fabrication engaged Inhabit Engineers to oversee all aspects of their scope of work. This additional layer of expertise helped guarantee that the fabricated components would integrate seamlessly with other elements of the

building and perform as intended over the long term.

The NSW Rugby Centre of Excellence exemplifies the perfect fusion of innovative architecture and sporting ambition, with Capral's advanced window and door systems playing a pivotal role. From the AGS 900 Sliding Doors that seamlessly connect indoor and outdoor spaces to the energy-efficient AGS 629 Flushline system, each component contributes to the facility's functionality and aesthetic

appeal. The expertise of Arch System Fabrication in implementing these systems, coupled with their custom solutions for unique challenges, has resulted in a state-of-the-art facility that not only nurtures elite athletes but also provides pathways for grassroots talent. This collaborative effort between innovative products, expert craftsmanship, and visionary design has created a legacy that will shape the future of rugby in New South Wales for generations to come.

