

MACQUARIE POINT MULTIPURPOSE STADIUM

Project of State Significance

Emergency Management and
Incident Response

August 2024



**MACQUARIE
POINT**
DEVELOPMENT CORPORATION



Introduction

Intelligent Risks Pty Limited (IR) has been contracted by COX Architecture as its security advisors for the Macquarie Point Multipurpose Stadium in Hobart.

To address the requirements for the Tasmanian Government Planning Commission's guidelines for a Project of State Significance (PoSS), IR has developed a preliminary draft Emergency Management Plan (EMP), incorporating incident response. While the stadium is one part of the precinct, it is very much the focal point, and by far the largest element in the redevelopment. The EMP and this response to the PoSS covers the stadium and its environs.

It must be noted this plan is a preliminary draft and will be further developed when the planning stage moves from concept design to schematic design.

The EMP, while addressing the requirements for the stadium will need to be tailored to detailed design, as it progresses, and as the precinct progresses, and it must do so in harmony with its neighbours. These include Macquarie Wharves (Tasmanian Ports Corporation), the University of Hobart and other tenants in Evans Street.

This advice for the PoSS assessment has been prepared following initial consultation with the following authorities. Further consultation will be undertaken before the EMP is finalised, and will include Ambulance Tasmania, Tasmanian Stadiums, Tasmanian Fire Service, and other precinct tenants:

- Tasmanian Ports
- Tasmanian Police
- Macquarie Point Development Corporation.

The draft EMP is not included in this presentation. Rather, extracts from it are used to demonstrate compliance with the following clauses needed to address the PoSS requirements.

No.	Clause	Page #
Proposal		
9.4	Emergency Management and Incident Response	
9.4.1	The reports are to describe and provide information on: - the overall design of emergency exit routes and spaces that enable spectators to move to temporary and permanent safe areas within an acceptable time period. - how the design of stadium enables emergency services to access all areas of the stadium from the public road network. - the criteria and processes to be followed, to ensure the design and management of evacuation procedures and access for emergency services is undertaken in an acceptable manner.	3-8 9-10 11-13
9.4.2	In preparing the reports consideration will be given to the assessment and information provided as part of section 6.0 Movement. Specifically, the reports are to demonstrate how evacuation procedures and management of people movement is undertaken to maintain the transport and traffic flow function of the major road network.	11-13
9.4.3	The reports are to provide maps and plans that show the design and management of roads, routes, pathways and spaces, external to the stadium building to achieve acceptable outcomes for emergency evacuation and emergency services access.	3-11
1.1	Proposed Use and Development	
1.1.1	Movement ways and safe places for people to use in the event of an evacuation;	3-8
1.3	Proposed Use and Development	
1.3.1	Details and plans of the pathways and areas where people will congregate or queue, including in an emergency evacuation event	3-8

Glossary of Terms

Glossary of Terms	
Acronym or Term	Definition
EMP	Emergency Management Plan
EMT	Emergency Warning and Intercommunication System
FOP	Field of Play
GA	General Admission
ET	Evacuation Team
IC	Incident Controller
IR	Intelligent Risks
PoSS	Project of State Significance
TasPol	Tasmania Police
VCO	Venue Communications Officer
VOC	Venue Operations Centre



Stadium Evacuation Routes

Events: Ground Level

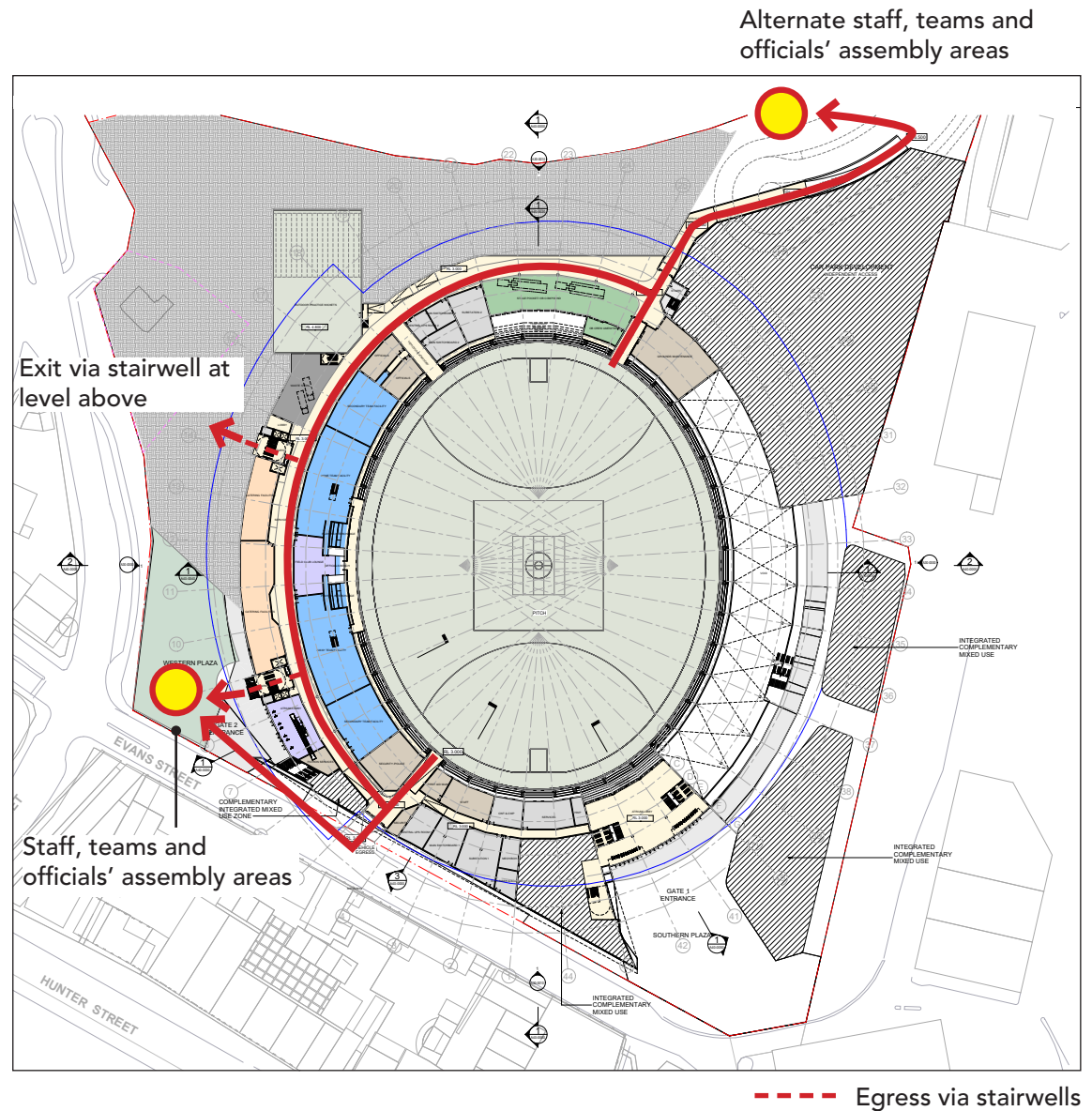
The Event Level occupants will evacuate via the closest emergency egress stairwells, located in the North-West and South-West of the venue. Event Level occupants will be staff, contractors, players and officials, and they will need to be accounted for at the evacuation assembly areas. Evacuation Team members at Players Tunnel, Dressing Rooms and Field of Play are responsible for advising players, entertainers and officials of evacuation procedures while evacuating via the Western Exits.

The Area Supervisor for the Field of Play and Player areas will guide players and officials to the Western Plaza which will be an interim assembly area. The Incident Controller will coordinate and ensure contract security attend this location. Further instructions will be provided based on the actual situation.

Evacuation Times

In the event of an evacuation due to an emergency, Stadium personnel will be placed at all exits to assist in directing people away from the Stadium and immediate precinct as required.

Relevant, international standards for safety at sports venues are outlined in the Guide to Safety at Sports Grounds – Sixth Edition (Green Guide). Evacuation times for full evacuation of the venue will be in accordance with the Green Guide recommendations.

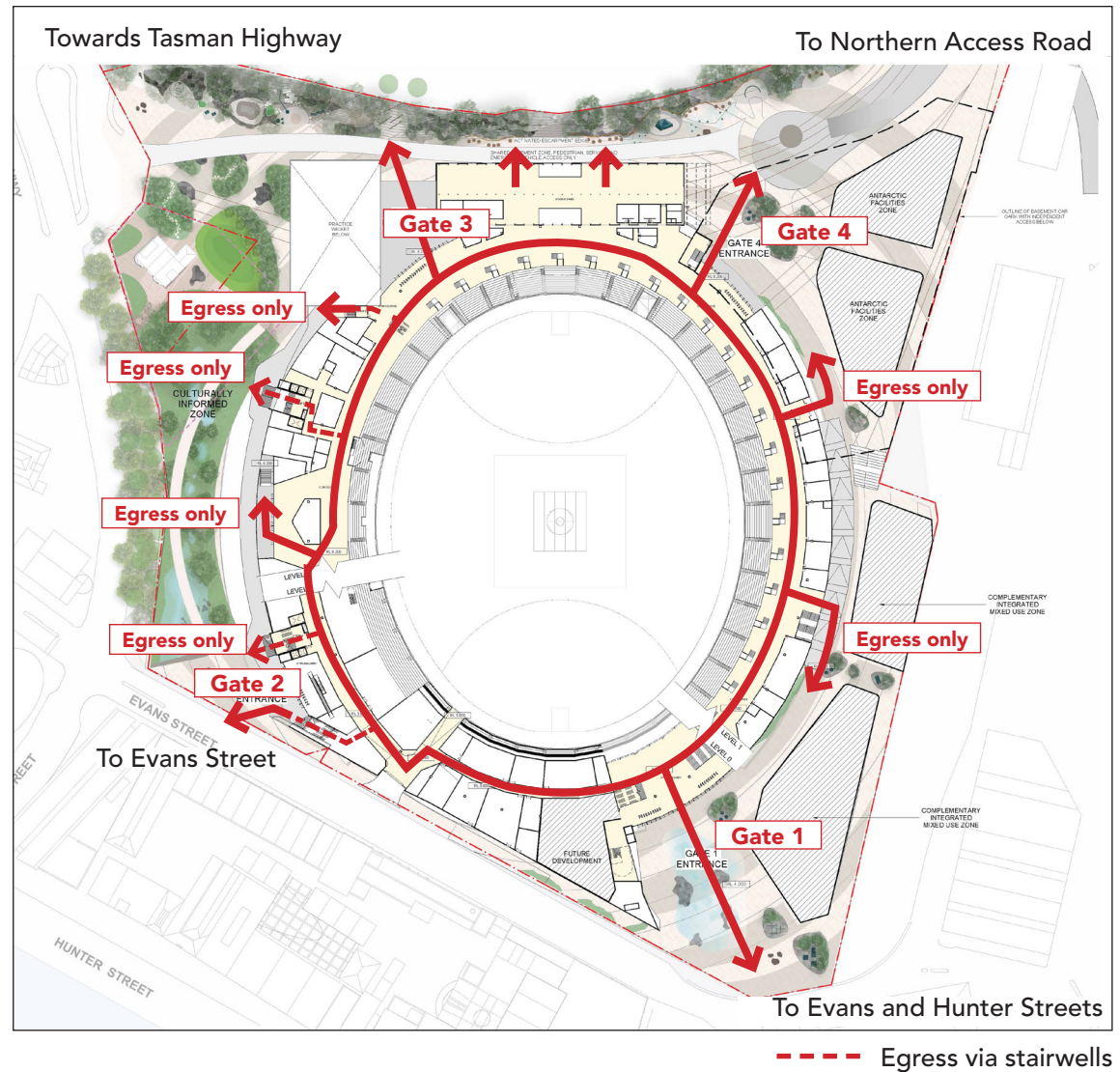


Stadium Evacuation Routes

Concourse: Level 1

If a full stadium evacuation is required, Level 1 Concourse occupants will evacuate via the closest emergency egress stairwell located in the North-Western, North-Eastern, Eastern and South-Eastern egresses under the direction of the Evacuation Team. Patrons will leave the precinct as directed. Staff and contractors will assemble at the evacuation assembly points (refer page 3).

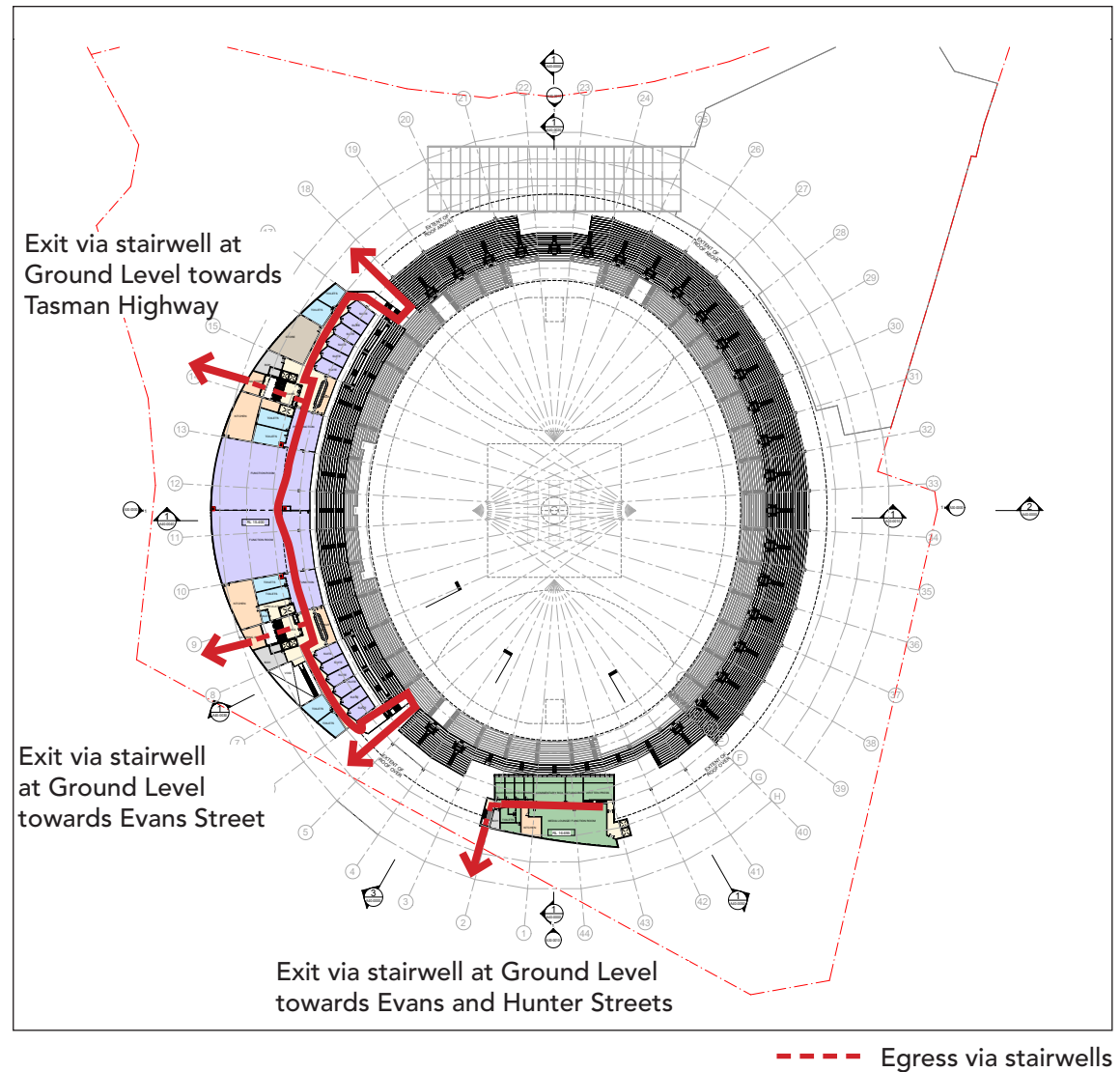
- Western Stand: Egress will be via Gates 2 and 3, and the egress stairs
- Southern Stand: Egress will be via Gate 1.
- GA Stand: Egress will be via Gates 1 and 4, as well as egress gates on the east side of the GA concourse.



Stadium Evacuation Routes

Functions / Members: Level 2

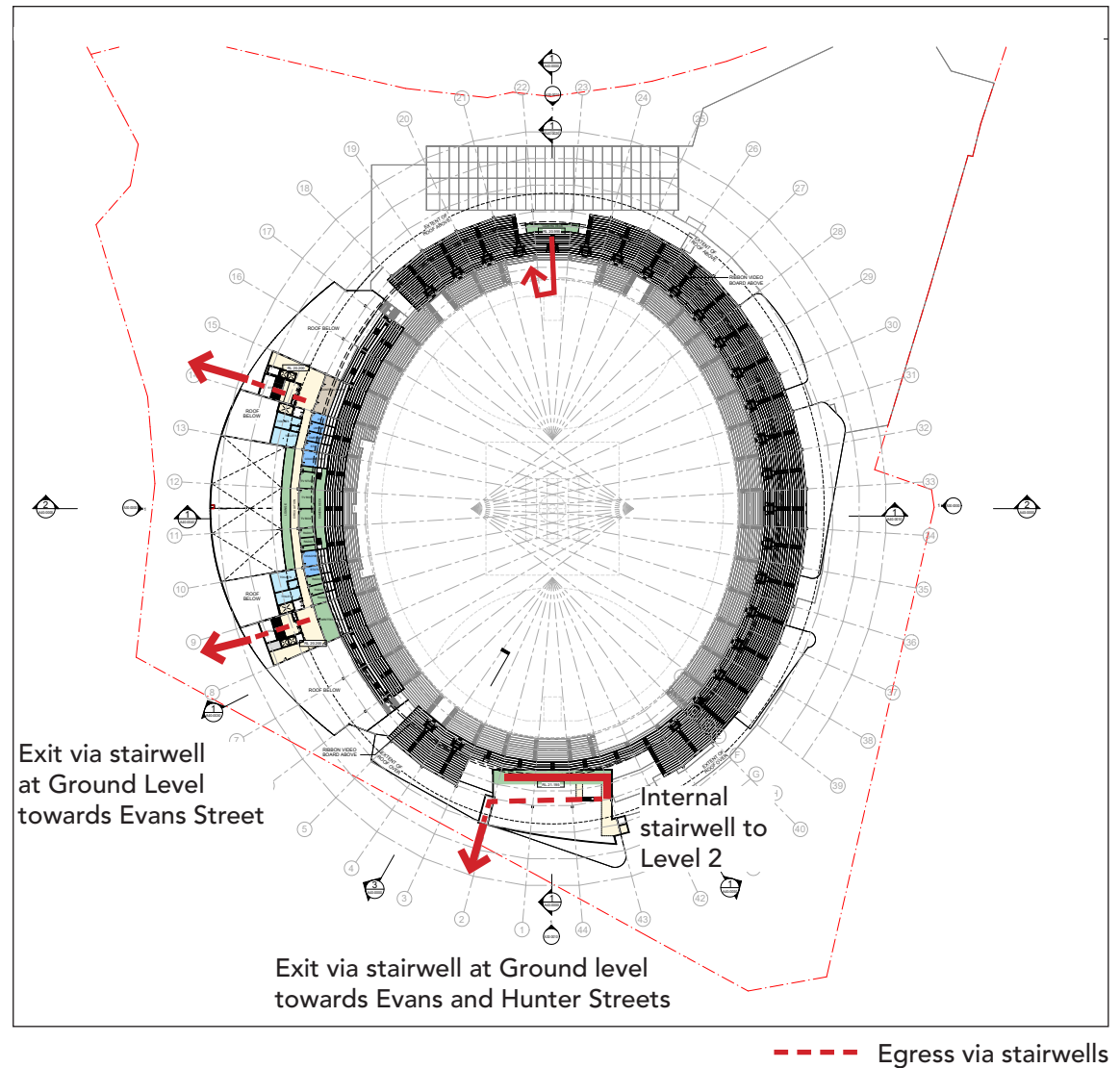
Occupants on the Premium Members Level egress will be via the North-Western, Western and South-Western stairs, under the direction of the Evacuation Team. Patrons will leave the precinct as directed. Staff and contractors will assemble at the evacuation assembly points (refer page 3).



Stadium Evacuation Routes

Media: Level 3

Occupants on the Premium Suite Level egress will be via the North-Western, Western and South-Western stairs, under the direction of the Evacuation Team. Staff, media and contractors will assemble at the evacuation assembly points (refer page 3).



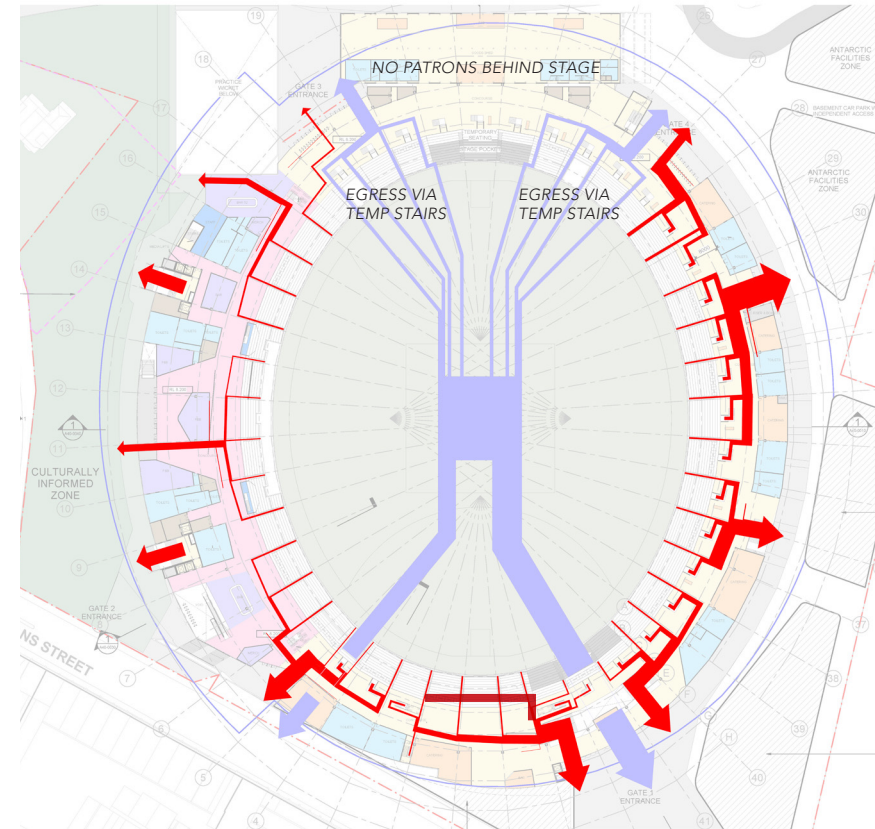
Stadium Evacuation Routes

Concert Mode: Field of Play

During a concert event at the Stadium, patrons will occupy standing area on the field as well as seats within the stands. The evacuation strategy therefore needs to account for high volumes of pedestrians moving outward from the field-of-play. Principally, egress from the field will be via the aisles in the lower bowl and out from the Level 1 concourse through every available gateway.

Segments of the lower bowl in front of Gate 1 and directly behind the stage to the north are comprised of retractable seating that will be removed during Concert Mode to facilitate direct egress from the field and out through the main gateways.

Concert Mode
31,500 total capacity



Modal split diagram sourced from Cox Architecture

- Egress for Floor Patrons and Performers
- Egress for Upper Level Patrons in tier and staff

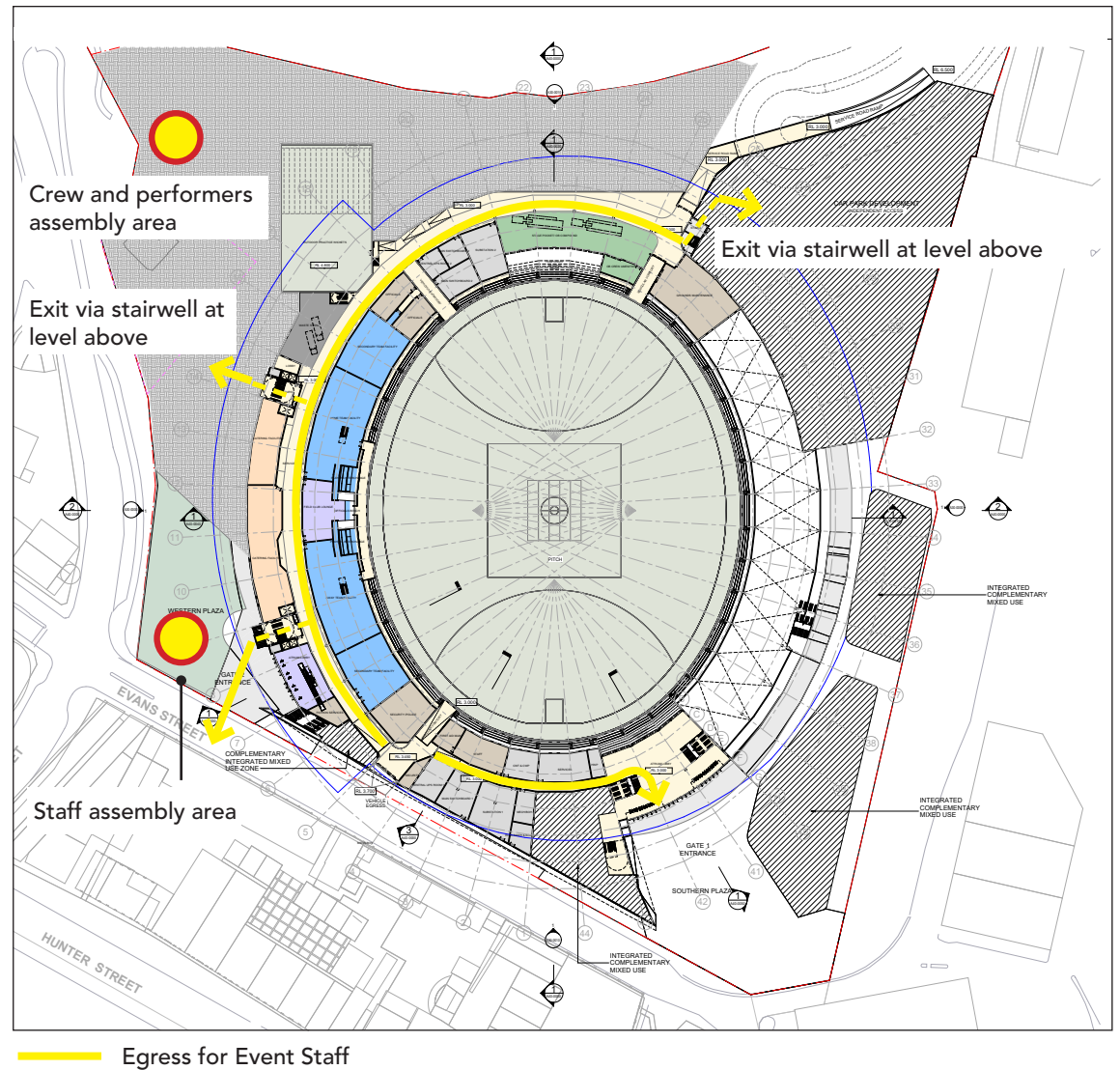
Stadium Evacuation Routes

Concert Mode: Field of Play

Performers and crew will evacuate via the northern egress paths and assemble adjacent to the Outdoor Practice Wickets.

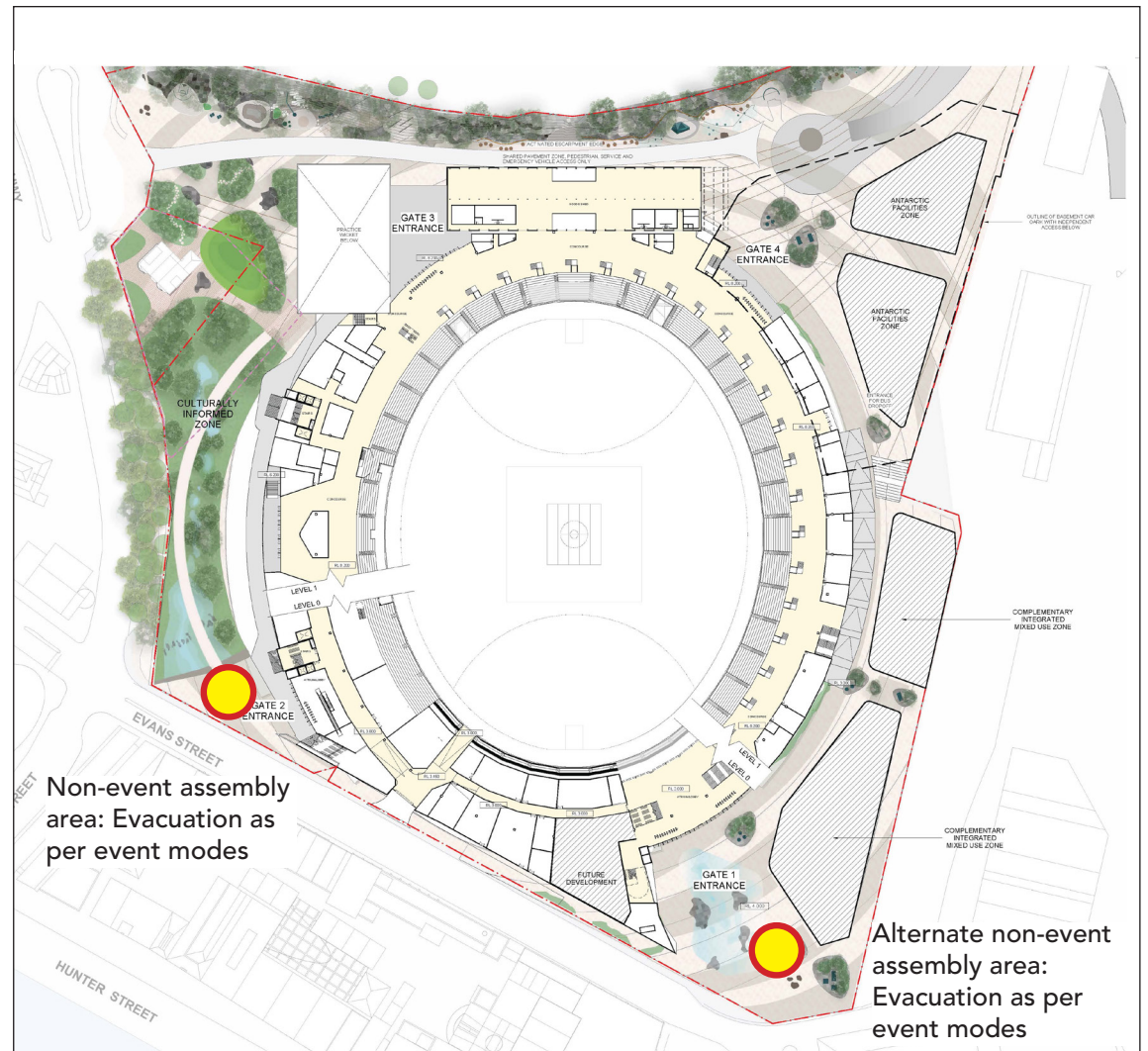
Event staff operating in the back-of-house spaces at Ground Level will evacuate via the fire stairs and assemble in front of Gate 2.

At Levels 2 and 3, evacuation for all staff and patrons in the stands will be via the western fire stairs.

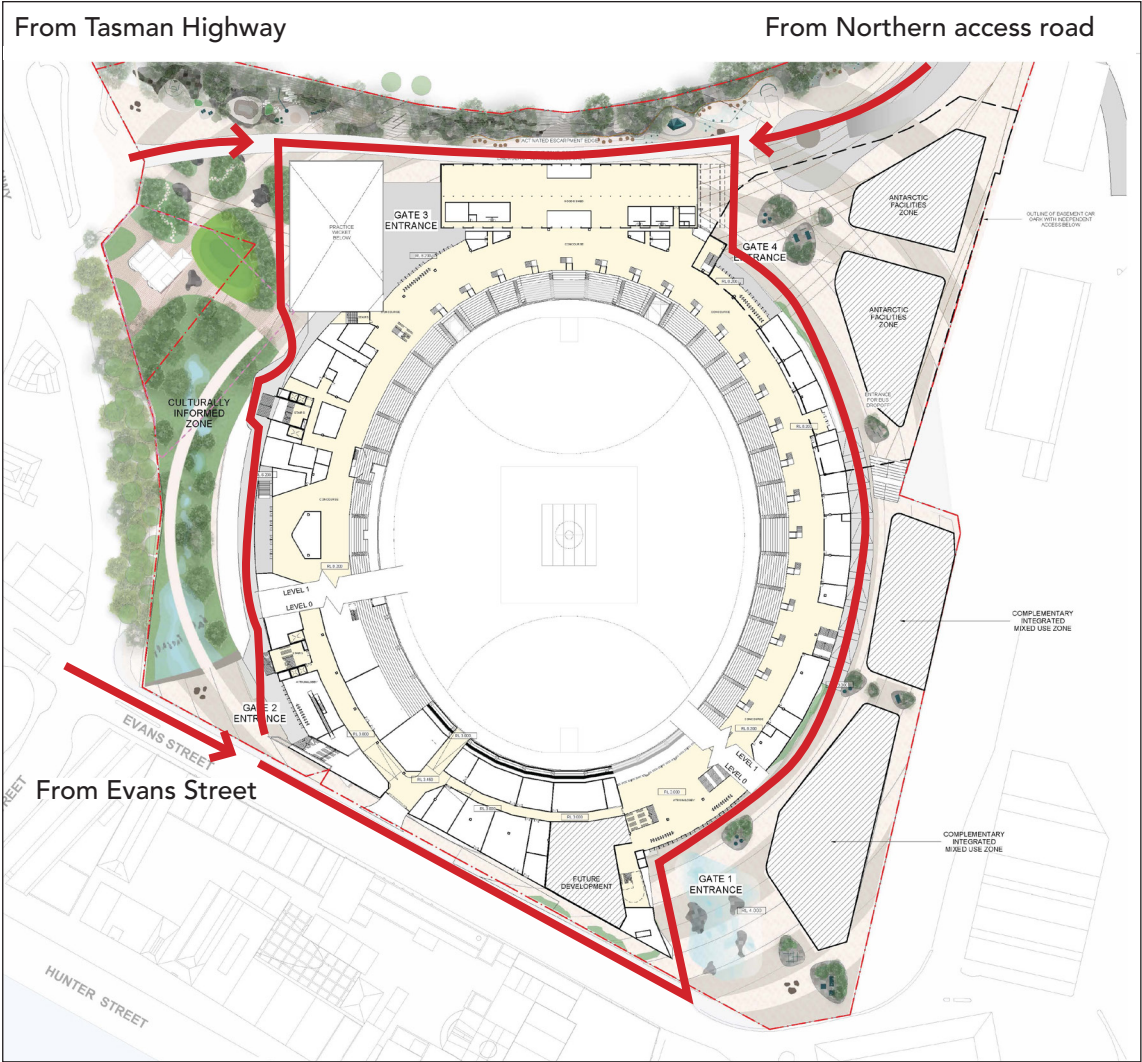


Evacuation Assembly Points Non-Event Mode

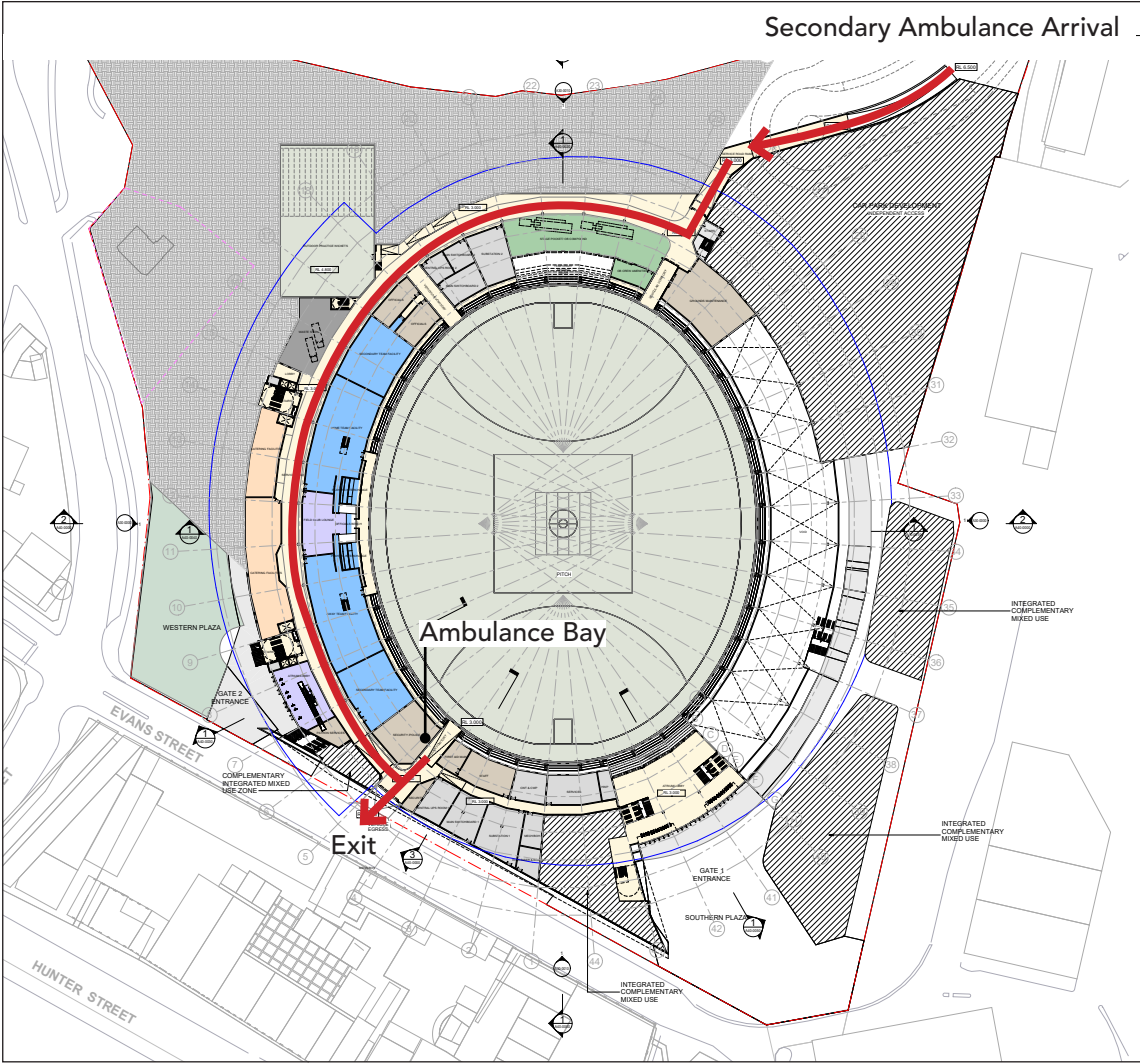
In Non-Event Mode, all occupants are to exit the building via the nearest emergency exit - upon the sounding of the emergency evacuation tone - and assemble at the assembly point below. The occupants will be staff, contractors, visitors and sporting teams in training, and they will need to be accounted for at the evacuation assembly areas.



Fire Appliance Access Routes



Ambulance Access Routes

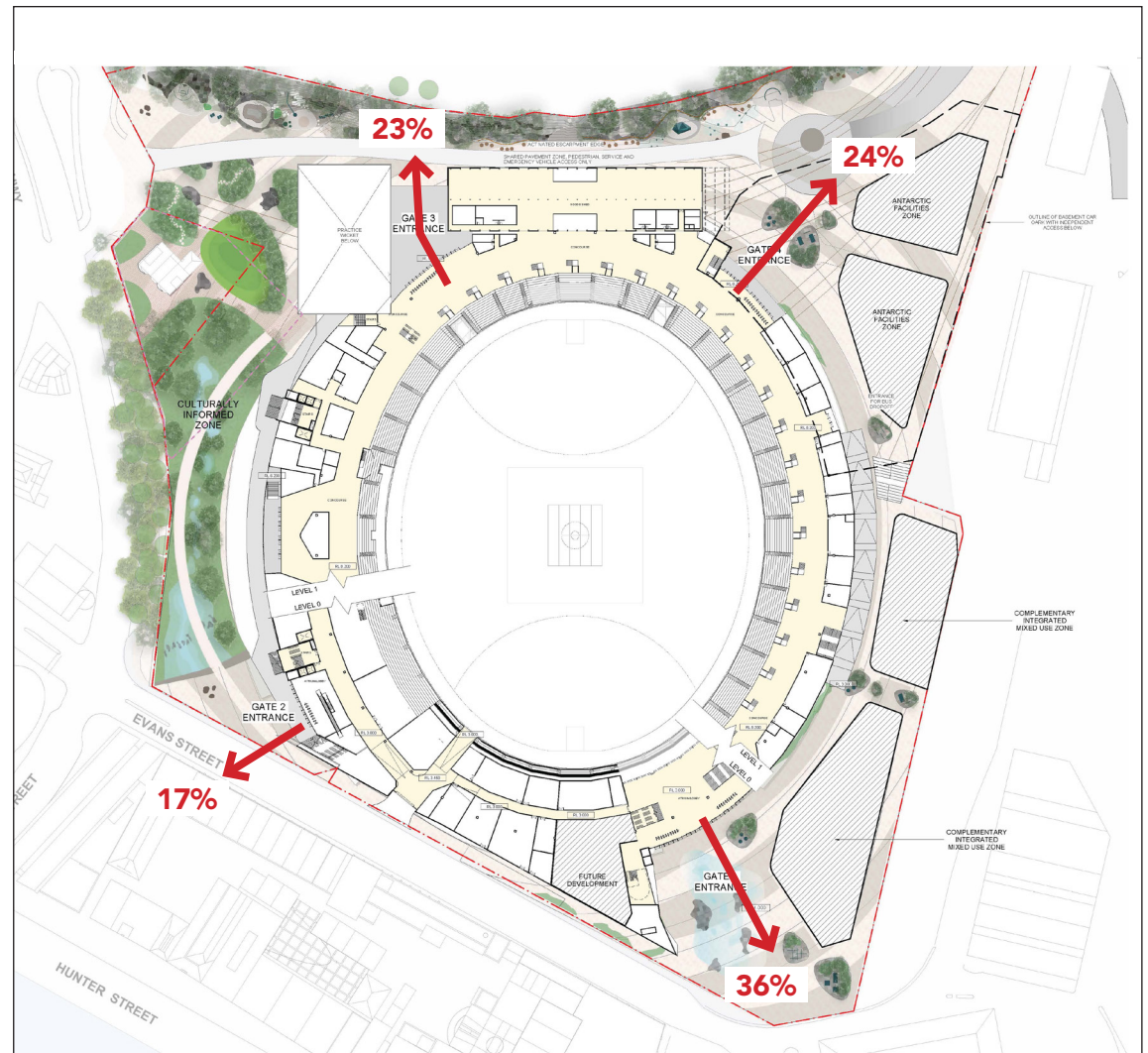


Evacuation Routes

The following diagrams indicate the anticipated egress routes from the stadium and immediate precinct. In the event of an evacuation it is likely the same dispersement will occur. However, should the cause of the evacuation block an exit route, it would add pressure to the viable exit routes.

Stadium personnel will be placed at all exits to assist in directing people away from the stadium and immediate precinct as required.

In Event Mode, the evacuation strategy is to evacuate and disperse. Patrons should be directed to leave the immediate area. There are no assembly points for patrons in the event of an evacuation.



Evacuation Sequence

The fire evacuation strategy allows for all patrons to commence evacuation simultaneously. Moreover, any evacuation due to fire will trigger an automatic evacuation of the entire Arena. This is an immediate all-out evacuation.

For other emergency incidents, the Incident Controller, supported by the Emergency Management Team (EMT), will determine the safest course of action. This may include a partial evacuation, where the emergency is limited to a small and containable location. It may also include a staged evacuation where the immediate risk is to a defined area, but the incident is such that the risk may spread or should necessitate the suspension of the event. In this instance, the Incident Controller may direct that the evacuation be managed in a staged manner, commencing with evacuating the area at immediate threat, followed by the orderly evacuation of the remainder of the Arena.

All evacuations will be proceeded by a communication to wardens advising them to stand-by for emergency actions. All evacuations will be facilitated and directed by event staff to ensure optimal outcome.

Immediate All-out Evacuation

In the event of any of the following, an immediate all-out evacuation is required:

- a confirmed fire;
- a fire alarm that cannot be confirmed as fully contained/extinguished; or
- a false alarm within 5 minutes.

In the event of an immediate all-out evacuation, the Incident Controller will direct, through Area Wardens, that an immediate all-out evacuation occur. This will be accompanied by an announcement over the (Emergency Warning and Intercommunication System) EWIS system using Script 1 and accompanying evacuation tones.

Partial or Staged Evacuation

In the event of an evacuation due to an emergency other than fire, a partial or staged evacuation may be directed by the Incident Controller, in consultation with EMT members and police and emergency services.

In this instance the Venue Communications Officer (VCO) will announce a partial evacuation of the location at perceived or actual threat, and subsequent evacuations as required. This will be communicated first to Area Wardens, and then via the EWIS system using Script 1 below.

All staff across the venue must be on standby to assist further evacuation if required.

Unless advised by the Incident Controller that areas of the Stadium have been placed into 'shelter in place' provisions, staff should not interdict persons seeking to leave from another part of the venue during a partial or staged evacuation.

Shelter in Place

If there is an emergency situation external to the venue, or contained within a particular location of the venue, the Incident Controller may suspend an event with the requirement to shelter in place. 'Shelter in place' requires patrons and staff to remain where they are, typically when the threat or potential incident is outside the Stadium and the safest option is for people to shelter inside. An announcement will be read *"for safety reasons would all patrons please remain in place. please remain calm and await further instruction."*

In the event of a terrorist incident, command will be passed to Tasmania Police (TasPol), and staff should follow all police instructions.

Evacuation Announcements

In the event of non-compliance with requests to return to their seats, the Venue Operations Centre should be immediately informed.

In the event of a terrorist incident, command will be passed to TasPol, and staff should follow all police instructions

Script 1: Full evacuation

"Ladies and gentlemen can I have your attention please.

Ladies and gentlemen can I have your attention please.

This is an emergency announcement, I repeat, this is an emergency announcement.

Due to a: _____ we are required to evacuate the venue.

Would all patrons, please gather your belongings and make your way calmly to the nearest exit. stadium staff will assist you in the direction of the nearest safe exit.

This is an evacuation of the whole venue.

Please follow instructions of stadium staff outside of the venue. thank you for your cooperation."

Script 2: Staged or partial evacuation

"Ladies and gentlemen can I have your attention please.

Ladies and gentlemen can I have your attention please.

This is an emergency announcement, I repeat, this is an emergency announcement.

Due to: _____ we are required to evacuate part of the venue.

Would all patrons in the [insert location / stand] only, please gather your belongings and make your way calmly to the nearest exit. stadium staff will assist you in the direction of the nearest safe exit.

Could people in all other parts of the venue remain or return to your seats and await further instructions.

Please follow instructions of stadium staff outside of the venue. thank you for your cooperation."

Script 3: Shelter-in-place

"Ladies and gentlemen can I have your attention please.

Ladies and gentlemen can I have your attention please.

This is an emergency announcement, I repeat, this is an emergency announcement.

The event has been suspended due to: _____.

For safety reasons would all patrons please remain in place. please remain calm and await further instruction.