



UNIVERSITY OF WISCONSIN - MADISON

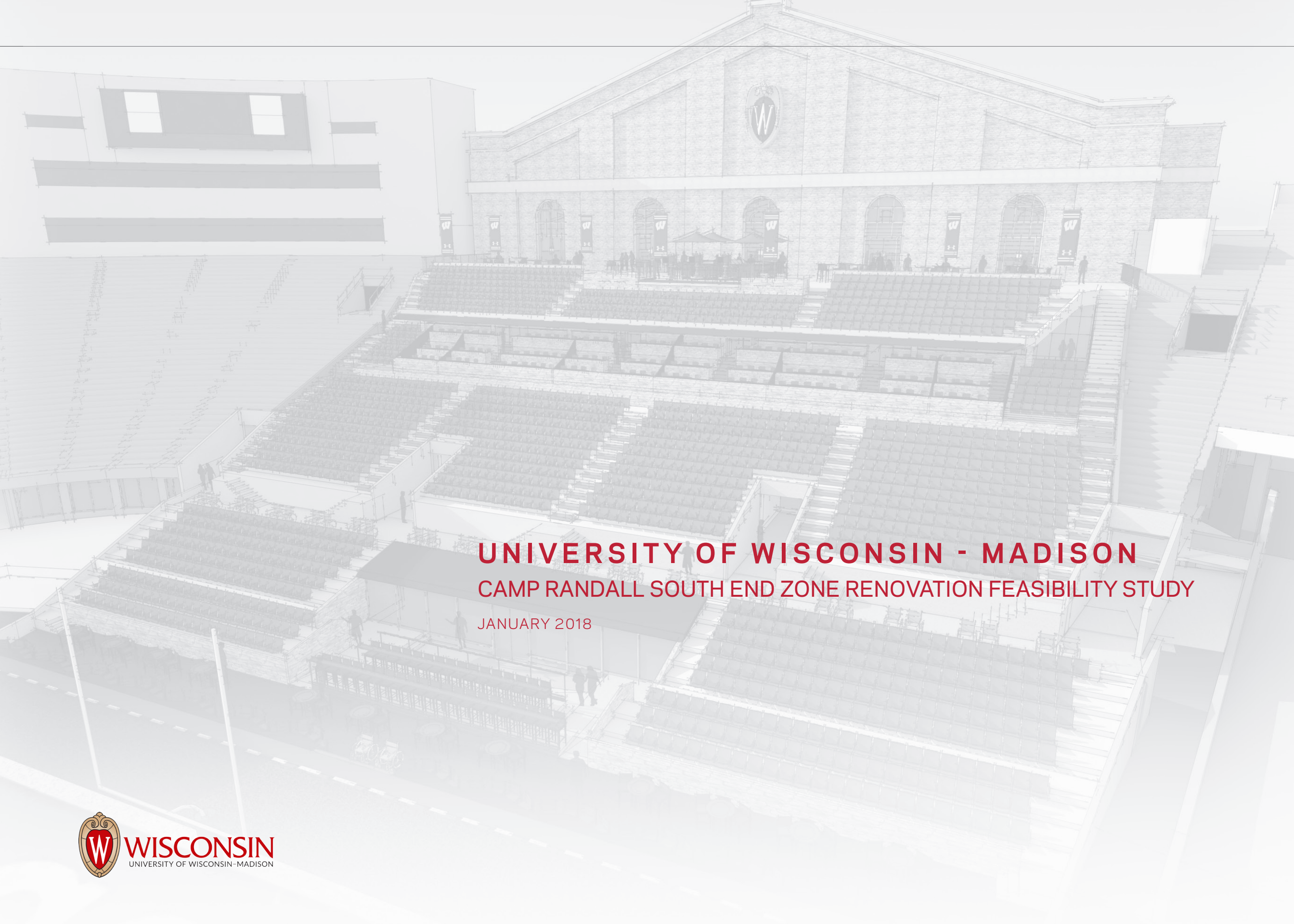
CAMP RANDALL SOUTH END ZONE RENOVATION
FEASIBILITY STUDY

JANUARY 2018

DFD # 17B1S







UNIVERSITY OF WISCONSIN - MADISON
CAMP RANDALL SOUTH END ZONE RENOVATION FEASIBILITY STUDY

JANUARY 2018



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PREPARED FOR:

The Division of Intercollegiate Athletics at the University of Wisconsin-Madison
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SECTION / 01

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

PROJECT OVERVIEW & PREFERRED OPTIONS

PROJECT OVERVIEW

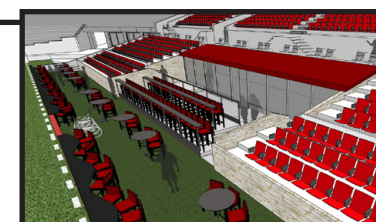
The Camp Randall South End Zone Renovation Feasibility Study was an effort derived from the 2017 Athletics Master Plan. Coupled with the Kohl Center Addition & Renovation Feasibility Study, it gave further focus to these projects allowing a greater depth of investigation of varied options. In short, the premise of this project is to provide a wider array of premium choices to the existing singular stock of suites on the east side of the seating bowl. The Study precipitates more refined cost information to assist budget forecasting and projected proforma. The project as defined in the Athletics Master Plan originally included substantial work within the Field House which allowed a Club Lounge space to serve events both in the Field House and Camp Randall. This multi-purpose nature had a great deal of appeal but as further investigation ensued, it became evident the cost for such a venture would be difficult to fund in an initial phase. All options developed were challenged with allowing the lounge space within the Field House to be constructed in a later phase.

The Athletics Master Plan objective, providing additional premium seat opportunities (further outlined on page 15), has remained a driving force of this Feasibility Study. A myriad of options were explored (illustrated on page 11) which allowed the project to better serve the needs of patrons. Further research and market study analysis performed by Legends consulting reinforced a final selection for pricing. The Options summarized at right were the most viable, giving the University and Athletic Department multiple avenues for South End Zone enhancement. They maximized fiscal flexibility for the future work.

FIELD LEVEL END-ZONE CLUB - OPTION 1B

Demolish the lower bleacher section of the South End Zone and construct a Premium Seating area at field level incorporating Club Seating, Loge Seating, Add-On ticket sales and Club Lounge space of 4,000 SF. Option 1B was originally coupled with the renovation of Bucky's Locker. It was discovered that this space is not available for renovation and as such is under sized to support the associated premium seating.

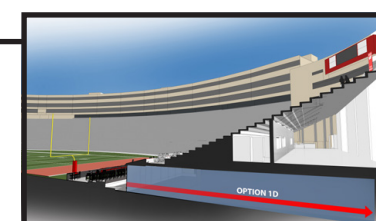
Estimated Construction Cost: \$10,468,887*



FIELD LEVEL END-ZONE CLUB - OPTION 1D

Demolish the lower bleacher section of the South End Zone and construct a Premium Seating area at field level incorporating Club Seating, Loge Seating, Add-On ticket sales and Club Lounge space of 11,000 SF. This larger Club Lounge is a better alternative to Option 1B being correctly sized to serve the associated premium seating.

Estimated Construction Cost: \$20,692,679*



MID-LEVEL LOGE CLUB - OPTION 2A

Demolish the upper bleacher section of the South End Zone and construct a Premium Seating area at the upper concourse incorporating Club Seating, covered Loge Seating, and Club Lounge. This space is the backbone of the South End Zone project. Option 2A is structured to add Option 3 at a later time if so desired.

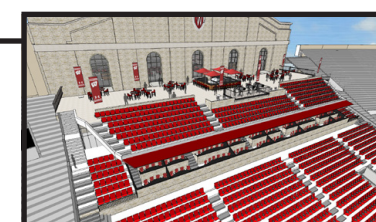
Estimated Construction Cost: \$31,058,386*



UPPER LEVEL OUTDOOR TERRACE - OPTION 3 (Add-on alternative to Option 2A)

Provide exterior outdoor terrace area with Premium Seating and future connection to the Field House interior as delineated in the 2017 Athletics Master Plan. This is an affordable Option to execute considering the additional seating provided.

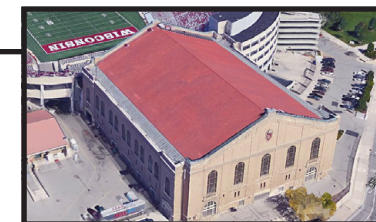
Estimated Construction Cost: \$1,853,824*



FIELD HOUSE EXTERIOR RESTORATION

Provide exterior envelope restoration and window replacement for the Field House West, South, and East facades. Construct south plaza as delineated in the Athletics Master Plan. This Option is highly recommended as the Field House is one of the most historically iconic buildings on campus and needs care.

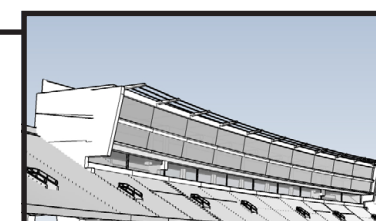
Estimated Construction Cost: \$4,767,338*



WEST SIDE PRESS BOX

Provide new interior finishes for 3 levels of the existing Press Box. This work provides temporary new finishes for an aged interior environment until more substantial work can take place on the west seating bowl.

Estimated Construction Cost: \$5,063,570*



* NOTE: All estimated construction costs are in 2020 dollars. Detailed estimates provided in section 1.05

EXECUTIVE SUMMARY

ALTERNATIVE OPTIONS BACKGROUND

Option	Main Emphasis	Club Lounge SF	Club Lounge SF/Person Ratio			Seats								PROS	CONS
			Small	Medium	Large	Qty Total	Club Seats	Loge Seats	Bar Rail	H-Cap	Add-On Seating?	SRO (Standing Room Only)	Demolished (seat loss)		
END ZONE FIELD CLUB - SMALL															
1A	Small Club Lounge with 3 rows of Club Seats attached	4,000 SF	12/SF - 333	15/SF - 267	18/SF - 222	264	148	56	-	2	60	41	740	Limited excavation	Narrow lounge space, Limited Add-On ticket potential
1B	Small Club Lounge with 4 rows of Club Seats attached	4,000 SF	12/SF - 333	15/SF - 267	18/SF - 222	252	196	56	-	2	NO	41	792	Limited excavation	Narrow lounge space, No Add-On ticket potential
1C	Small Club Lounge with 9 rows of Club Seats attached	4,000 SF	12/SF - 333	15/SF - 267	18/SF - 222	438	382	56	-	2	NO	41	1,068	Limited excavation	Inadequate Lounge space for larger fixed seating club population
END ZONE FIELD CLUB - LARGE															
1D	Large Club Lounge with 9 rows of Club Seats attached	11,000 SF	12/SF - 916	15/SF - 733	18/SF - 611	472	416	56	-	3	YES	115	1,068	Expansive Lounge Space	Demolition & Reconstruction
MID-LEVEL LOGE/CLUB															
2A	Loge amenities with Club Seats	10,200 SF	20/SF - 510	30/SF - 340	40/SF - 255	330	178	152	-	4	NO	-	3,530	Economical Concourse conversion	
2B	Club Seats, no Loge	10,200 SF	12/SF - 850	15/SF - 680	18/SF - 566	517	517	-	-	4	NO	-	3,402	Economical Concourse conversion	No Loge Premium Option

OPTION 1A

- CLUB SEATING FIRST 3 ROWS & FIELD LOGE SEATS WITH CAPABILITY FOR 60 ADD-ON TICKET SALES. THIS MAXIMIZES CAPACITY OF CONDITIONED FIELD CLUB SPACE. BUCKY'S CAN BE ADDITIONAL.
- 15 SF PER PERSON IN 4,000 SF FIELD CLUB LOUNGE CAN SUPPORT 267 PATRONS = 148 CLUB SEATS + 56 FIELD LOGE + 60 ADD-ON.
- +175 ADD-ON TICKETS BY INCLUDING 2,600 SF OF BUCKY'S LOUNGE. (FOR A TOTAL OF 235 ADD-ON TICKETS @ 15 SF PER PERSON)
- TOTAL ESTIMATED G.A. SEAT LOSS = 740 SEATS (ASSUMES CURRENT SPACING @ 18")

SF PER PERSON RATIOS:

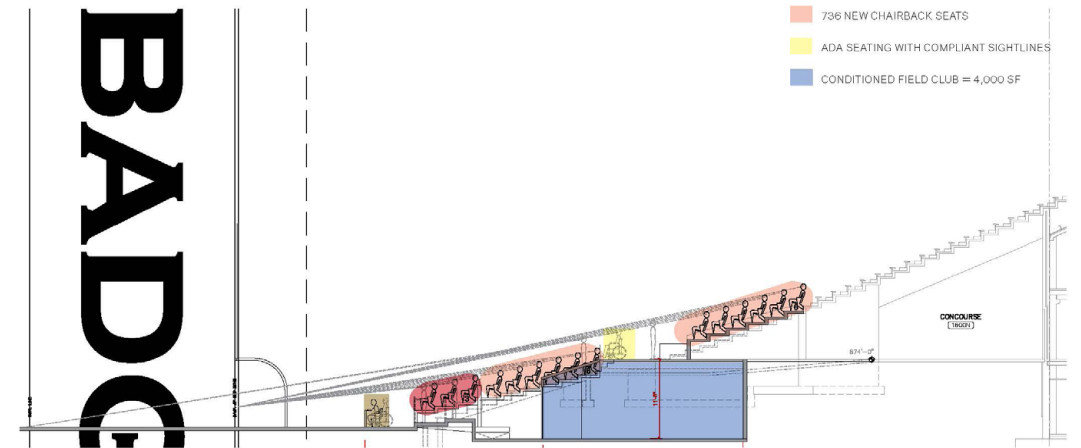
	12/SF	15/SF	18/SF
OVERALL TOTAL:	333	267	222
TOTAL W/ BUCKY'S	880	440	367

KEY

- 148 CLUB SEATS @ 21" O.C., 36" TREADS
- 56 FIELD LOGE TABLE SEATS
- 736 NEW CHAIRBACK SEATS @ 19" O.C., 34" TREADS
- ADA SEATING WITH COMPLIANT SIGHTLINES
- CONDITIONED FIELD CLUB = 4,000 SF
- FIELD CLUB STANDING PLATFORMS
- BUCKY'S LOUNGE = 2,600 SF
- BUCKY'S PATIO = 660 SF



OPTION 1A



SECTION

KEY

- 148 CLUB SEATS
- 56 FIELD LOGE TABLES
- 736 NEW CHAIRBACK SEATS
- ADA SEATING WITH COMPLIANT SIGHTLINES
- CONDITIONED FIELD CLUB = 4,000 SF





SECTION / 02

ATHLETICS MASTER PLAN OVERVIEW



ATHLETICS MASTER PLAN OVERVIEW

INTRODUCTION

Located on the southwestern edge of campus, Camp Randall Stadium has been the home of Wisconsin Badgers football since 1895, with a fully functioning stadium since 1917. With a seating capacity of 80,321, Camp Randall is the oldest and fifth largest stadium in the Big Ten Conference, 41st largest stadium in the world.

The stadium lies on the grounds of Camp Randall, a former Union Army training camp during the Civil War. The camp was named after then Governor Alexander Randall, who later became Postmaster General of the United States.

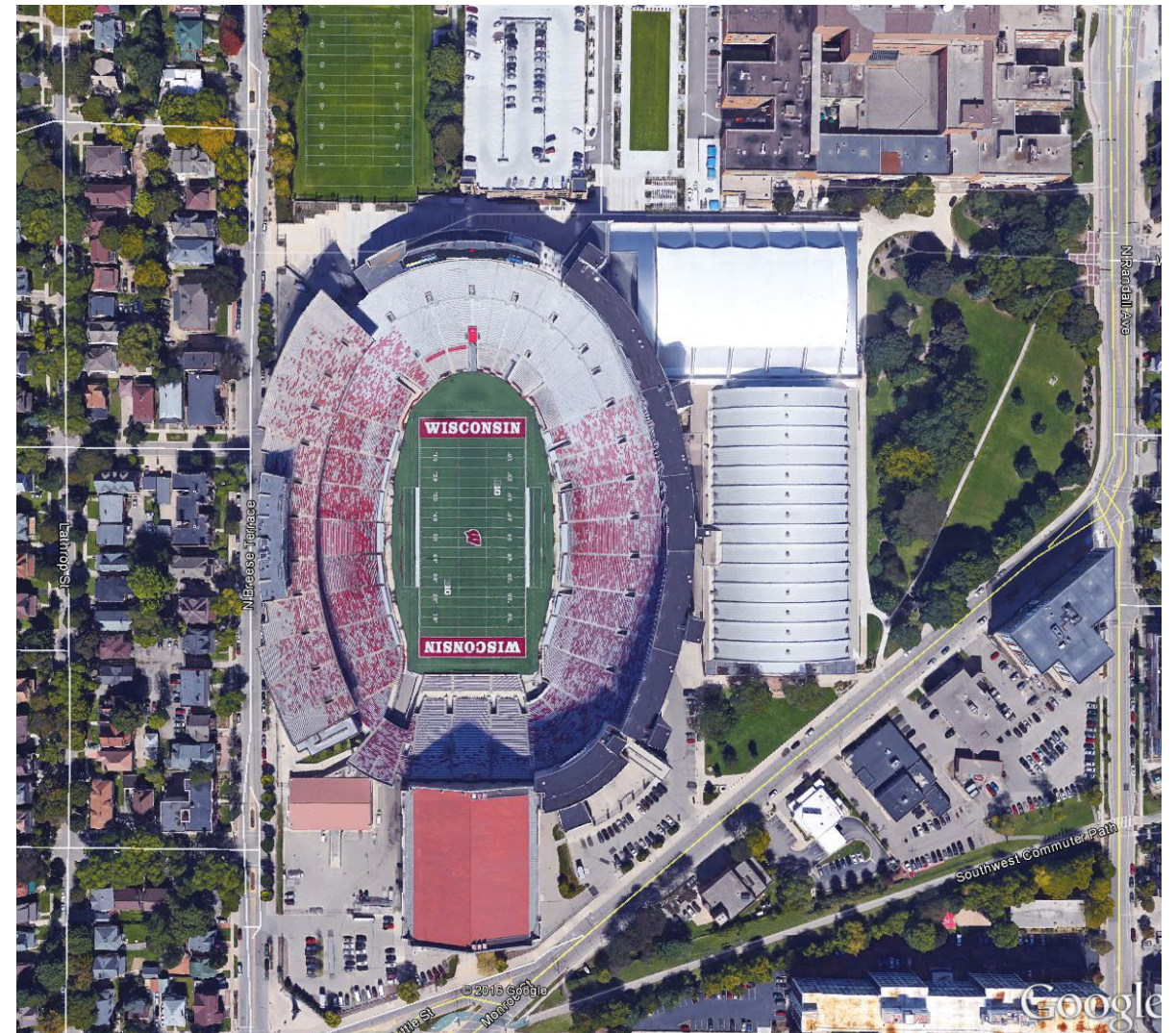
The stadium also houses athletic offices of the University. In 2002, a large-scale reconstruction project commenced, which added luxury boxes, a five-story office building, and separate football program offices. In addition, concessions, restrooms and other infrastructure items were upgraded, the walkway around the field was removed, and new scoreboards were installed. The construction was completed prior to the start of the 2004 season. The football team continued to play at the stadium throughout the construction [1].

GOALS & OBJECTIVES

- Integrate additional premium seat opportunities such as Club Lounge and associated Club Seats, 4-6 person Loge Boxes, Outdoor Terraces, and Field Level Club
- Provide memorable game-day experiences that entices the fan to arrive early and stay late
- Leverage the iconic nature of the Field House with synergies and connections
- Improve the west concourse experience with better support services and greater opportunities for revenue generation
- Improve the character and quality of the existing Press Box
- Devise a plan to address the existing structural precast maintenance on the west seating bowl

MASTER PLAN DESIGN CONCEPT / RECOMMENDATIONS

Provide new premium choices by renovating the South Bleachers and Field House. This will allow new revenue generation opportunities in the near future while minimizing the capital investment on the West Central Seating Bowl. In the future, the West Central Seating Bowl concept could be integrated into the stadium



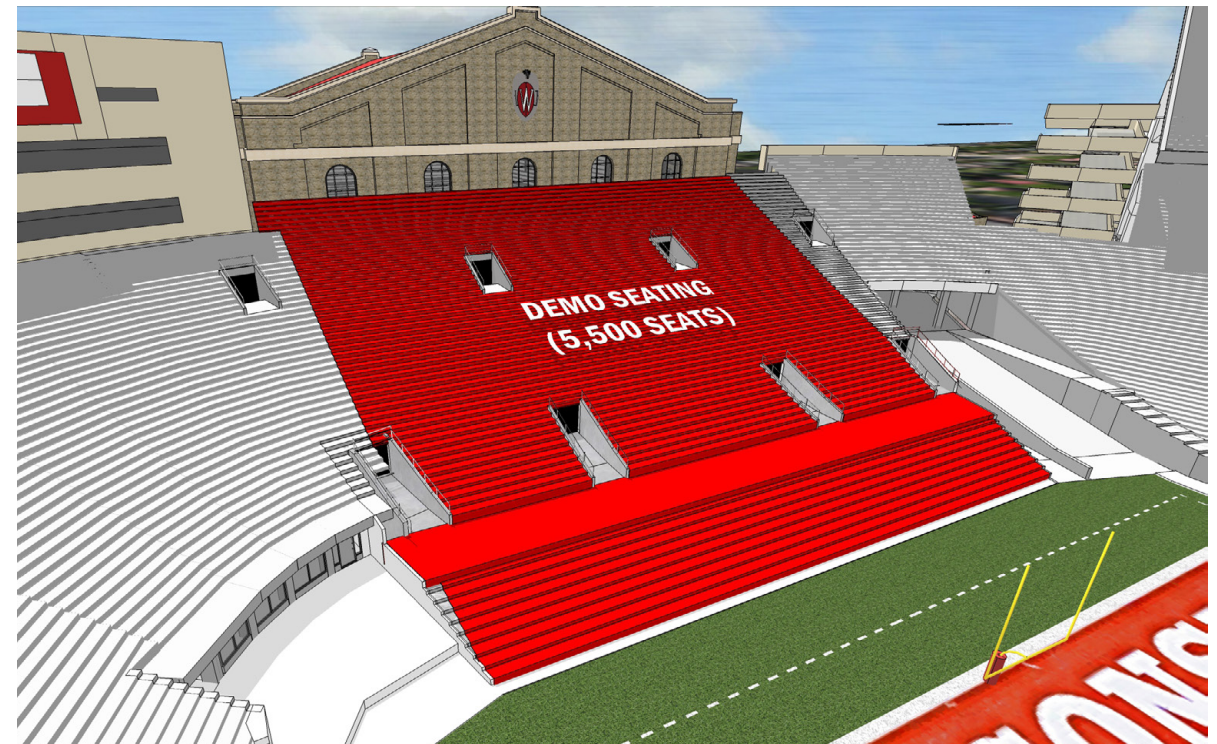
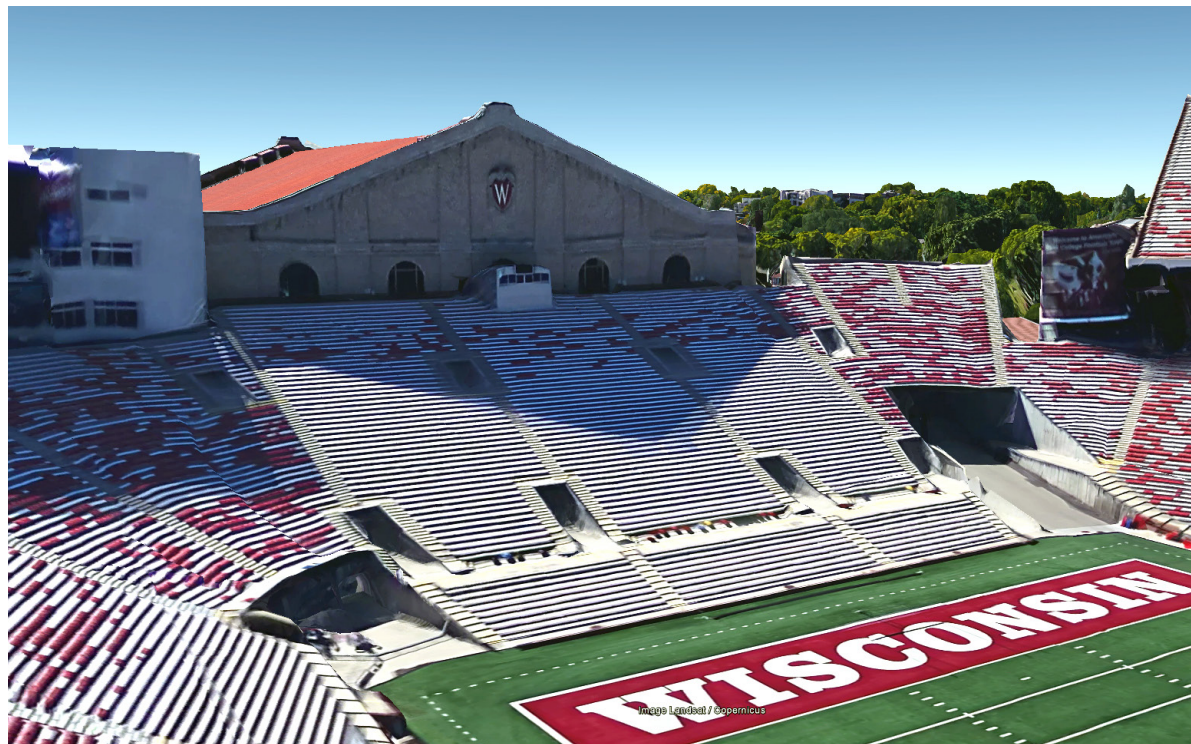
CAMP RANDALL STADIUM - SOUTH ENDZONE

ATHLETICS MASTER PLAN OVERVIEW

SOUTH END ZONE

The south side of the seating bowl provides great opportunities to maximize synergies to the UW Field House and provide new choices for premium seating. This becomes an economical alternative to major work on the west side. On the interior of the existing upper north section of the Field House, a club space can be incorporated to support new club seating. Premium seat options include:

- Covered Loge Boxes
- Club Terrace
- Club Seating
- Field Level Loge Boxes



PREMIUM SEAT OPTIONS

ATHLETICS MASTER PLAN OVERVIEW

New structured seating can provide a wide array of seating choices. An optional End Zone Club, Suites, or Loge Boxes can reside in the lower section as an exciting new vantage point within the seating bowl.

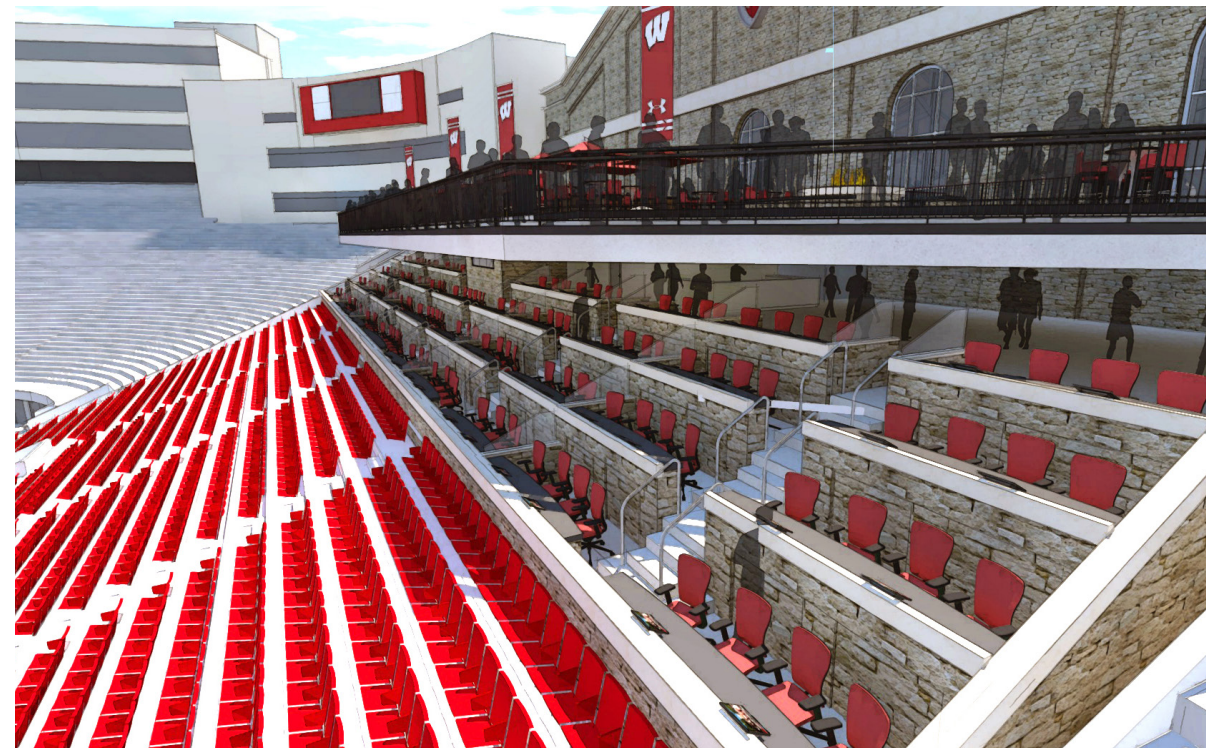
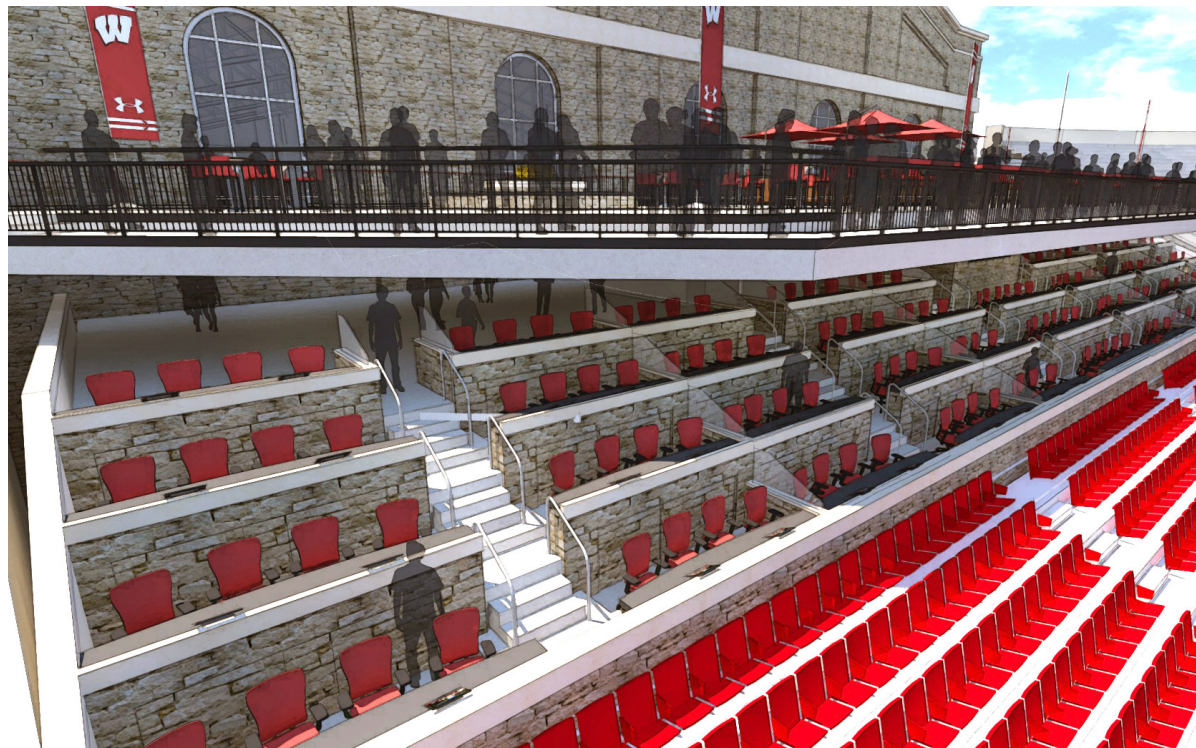


SEATING ENHANCEMENTS

ATHLETICS MASTER PLAN OVERVIEW

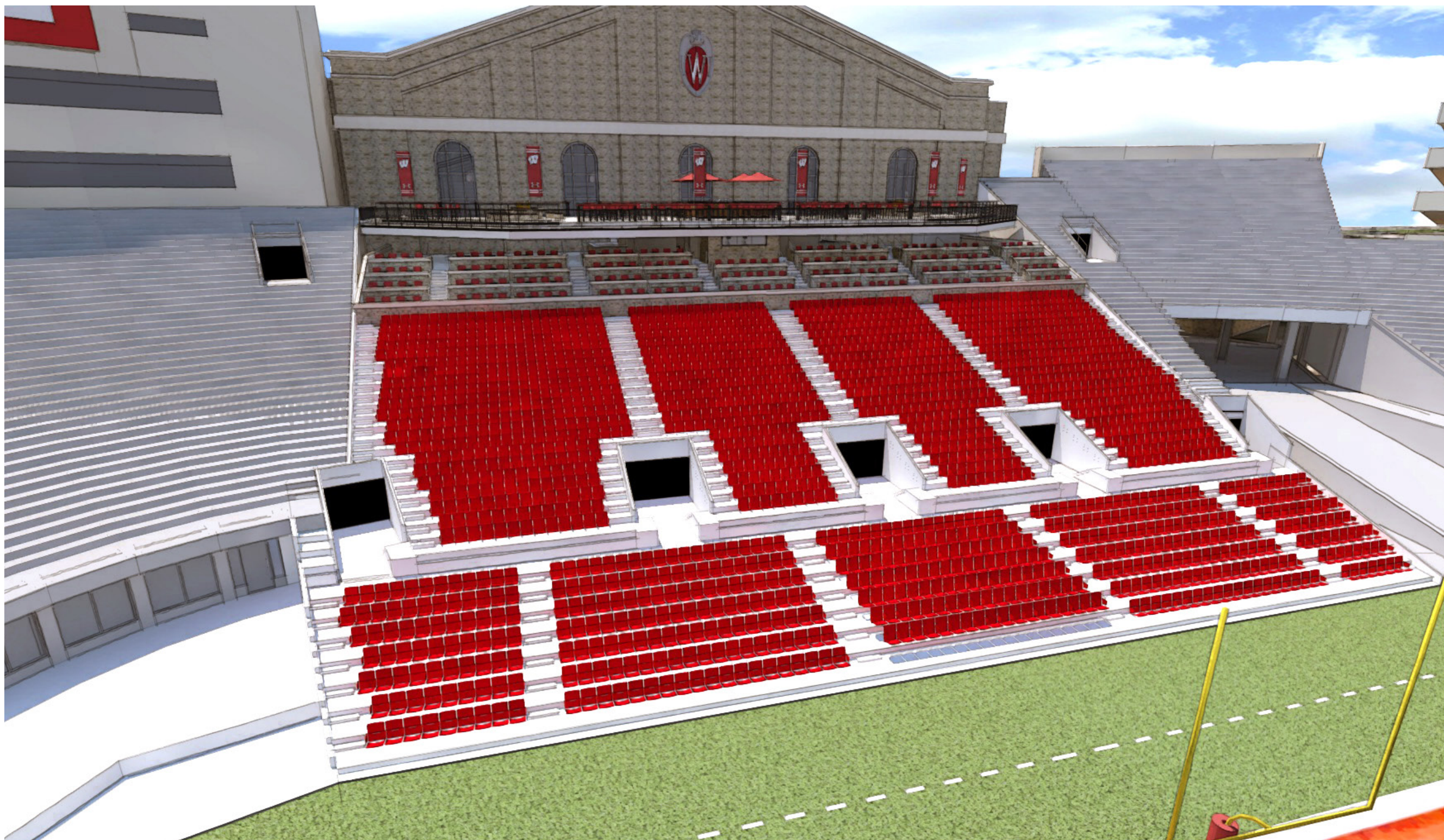
SOUTH END ZONE

Leveraging the iconic nature of the Field House character within the stadium seating bowl serves to enhance the rich history of this venue. The stone surround of the new Loge Box seating section strengthens this unique aesthetic.



CAMP RANDALL STADIUM - SOUTH ENDZONE

SEATING ENHANCEMENTS



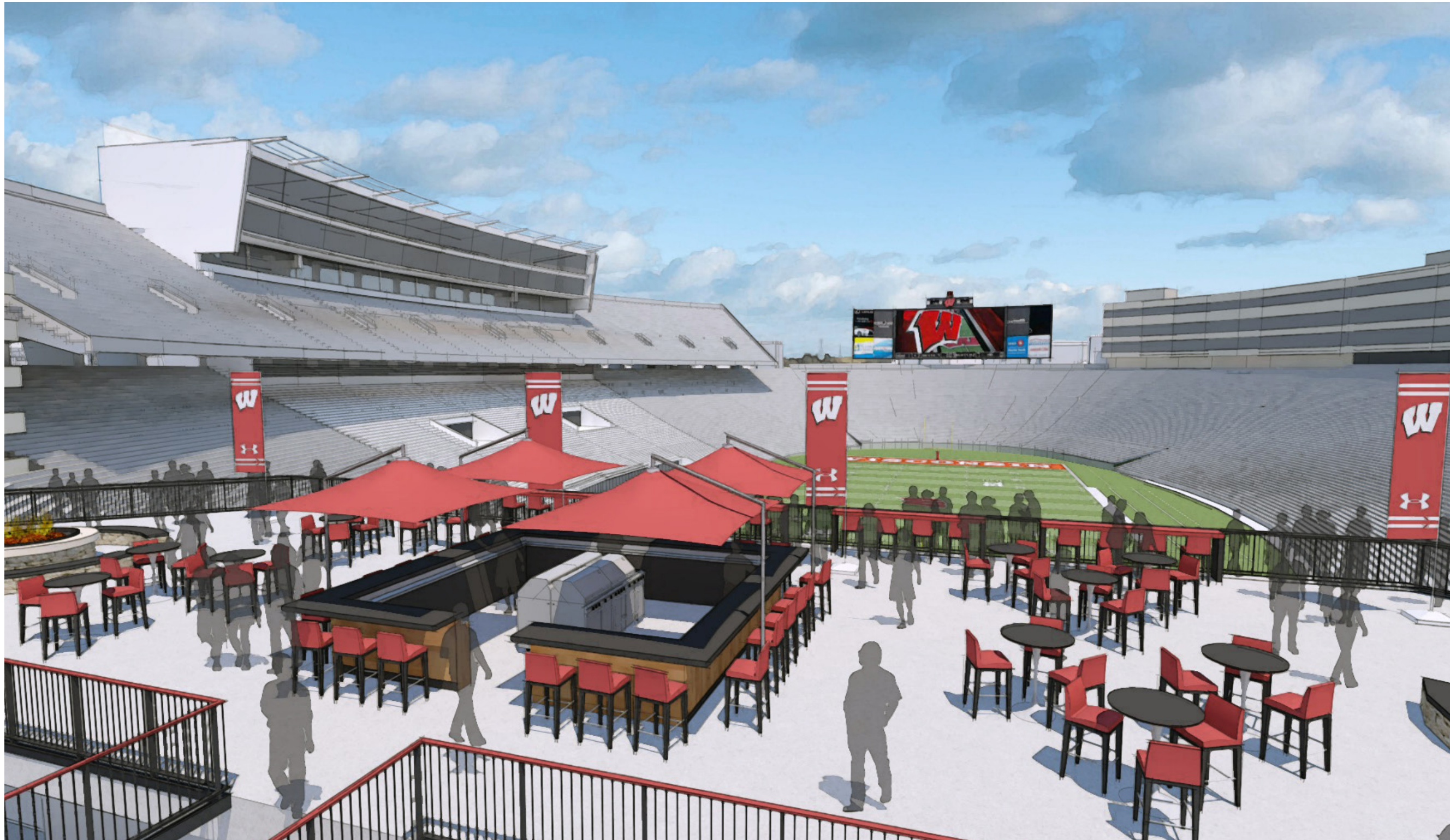
SEATING ENHANCEMENTS

ATHLETIC MASTER PLAN OVERVIEW



SEATING ENHANCEMENTS

ATHLETICS MASTER PLAN OVERVIEW







SECTION / 03

PREMIUM SEATING OPTIONS

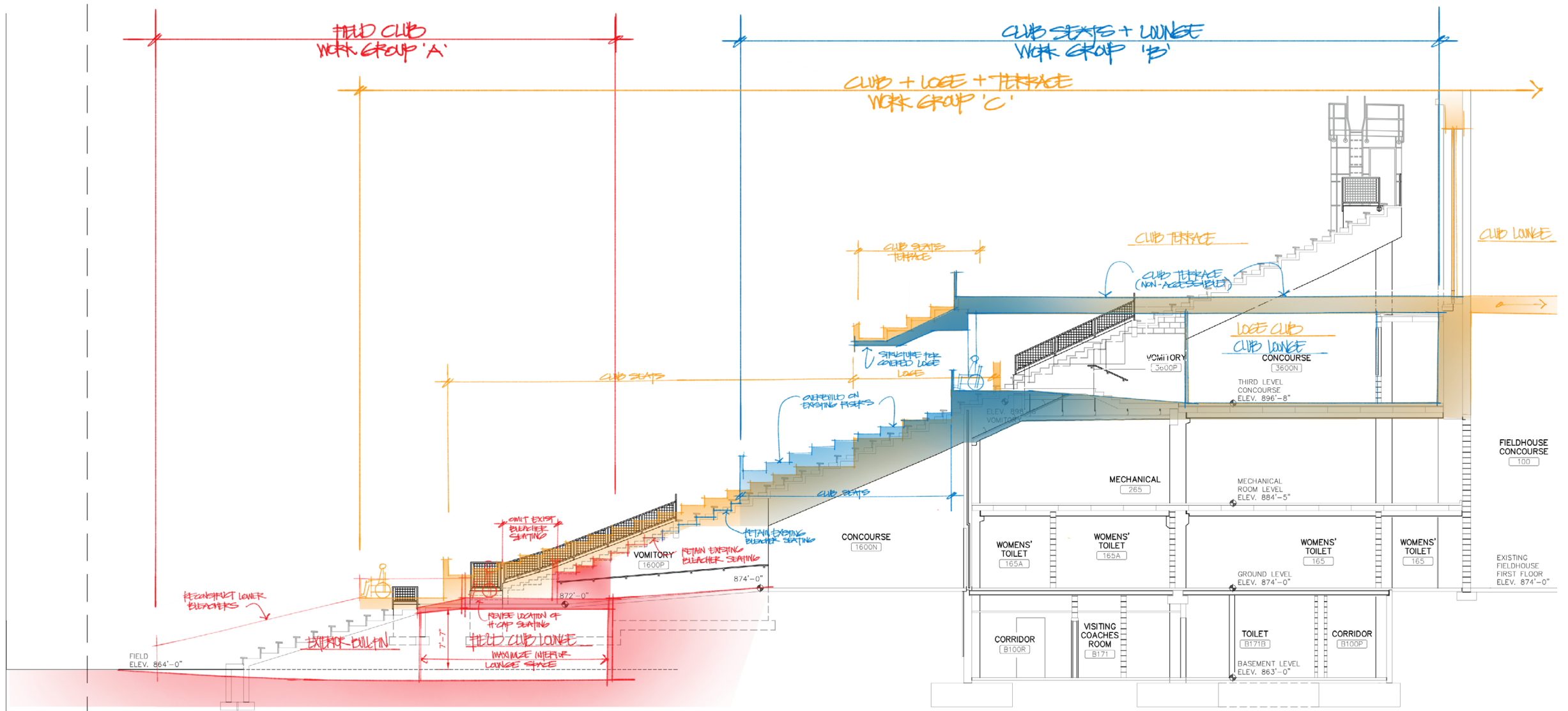


COMPONENTIZED PHASING

PREMIUM SEATING OPTIONS SECTION SKETCH

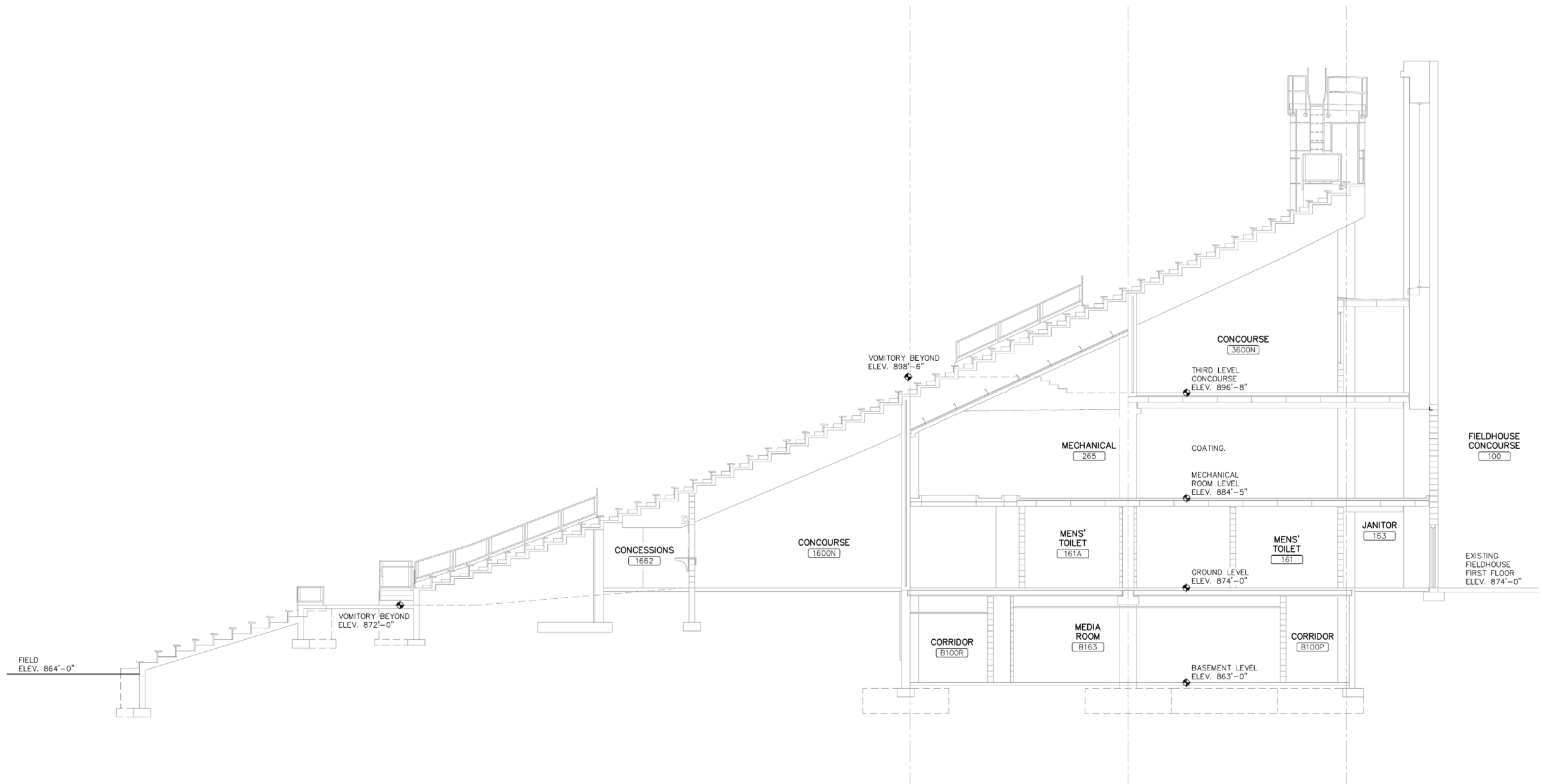
CONCEPT SKETCH

To maximize fiscal flexibility for the future South End Zone, HOK began to look at the entire project as a series of componentized smaller segments that could be either executed in phases or combined into larger endeavors.



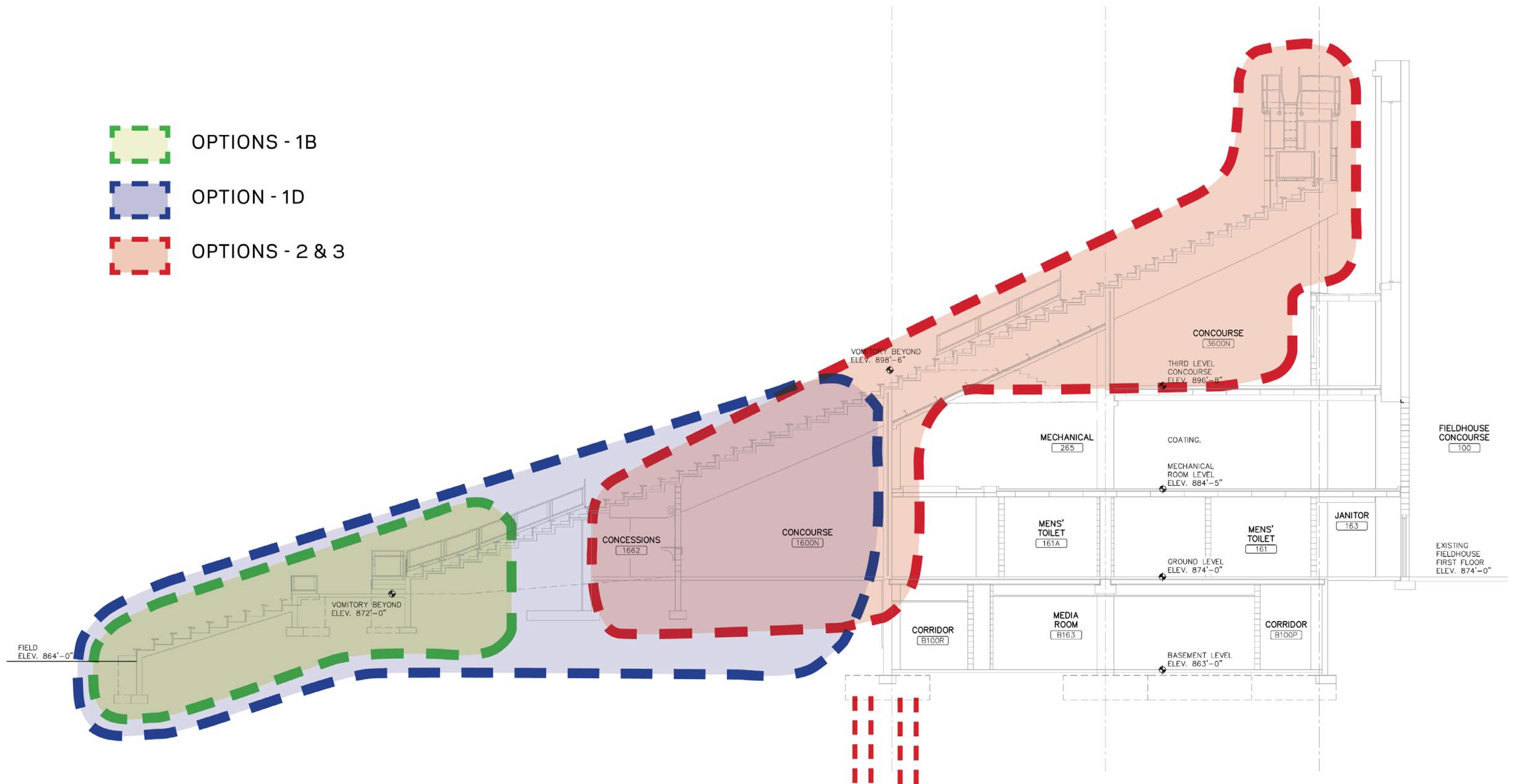
SEATING ENHANCEMENTS

EXISTING SECTION



SEATING ENHANCEMENTS

SELECTIVE DEMOLITION SECTION DIAGRAM



SEATING ENHANCEMENTS

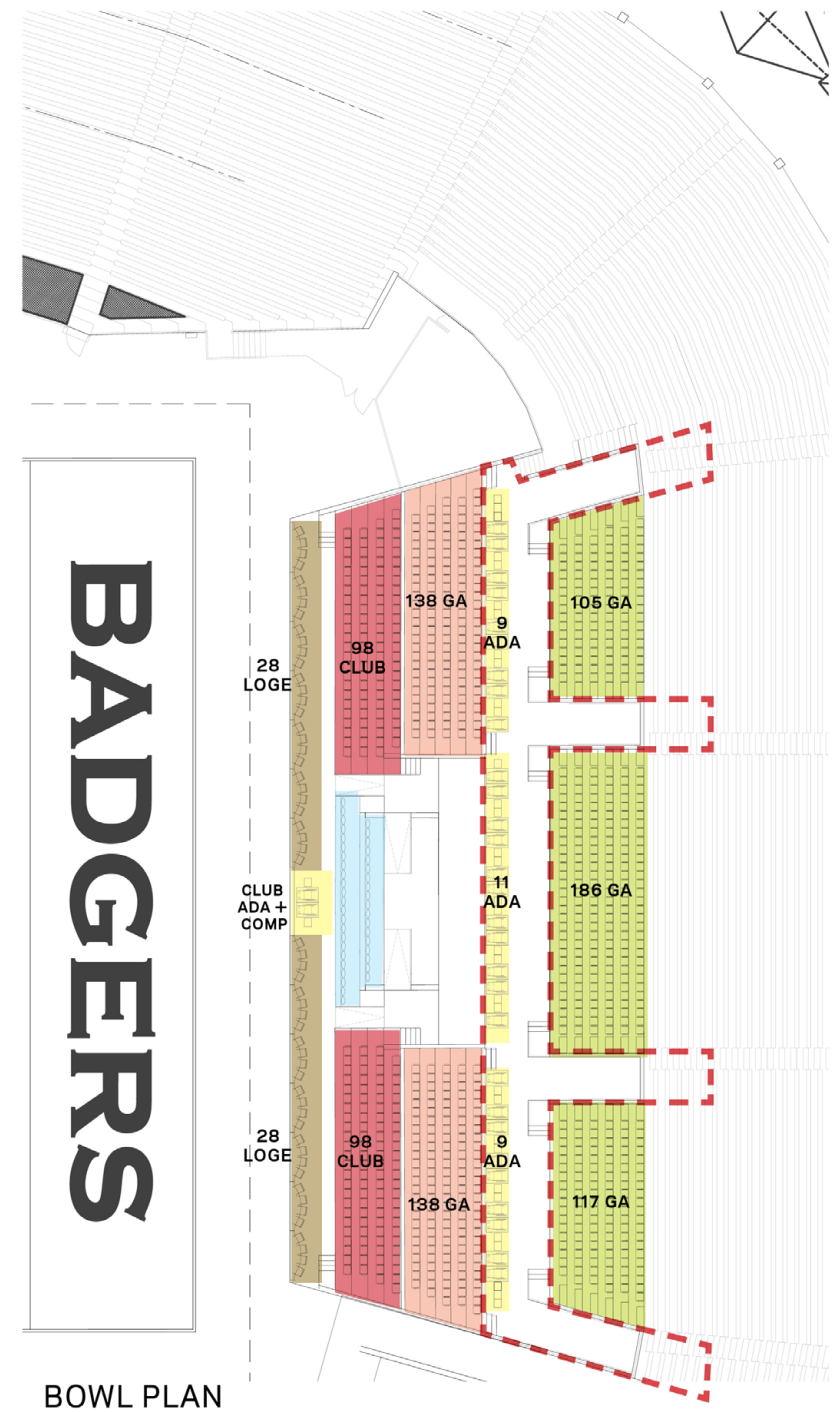
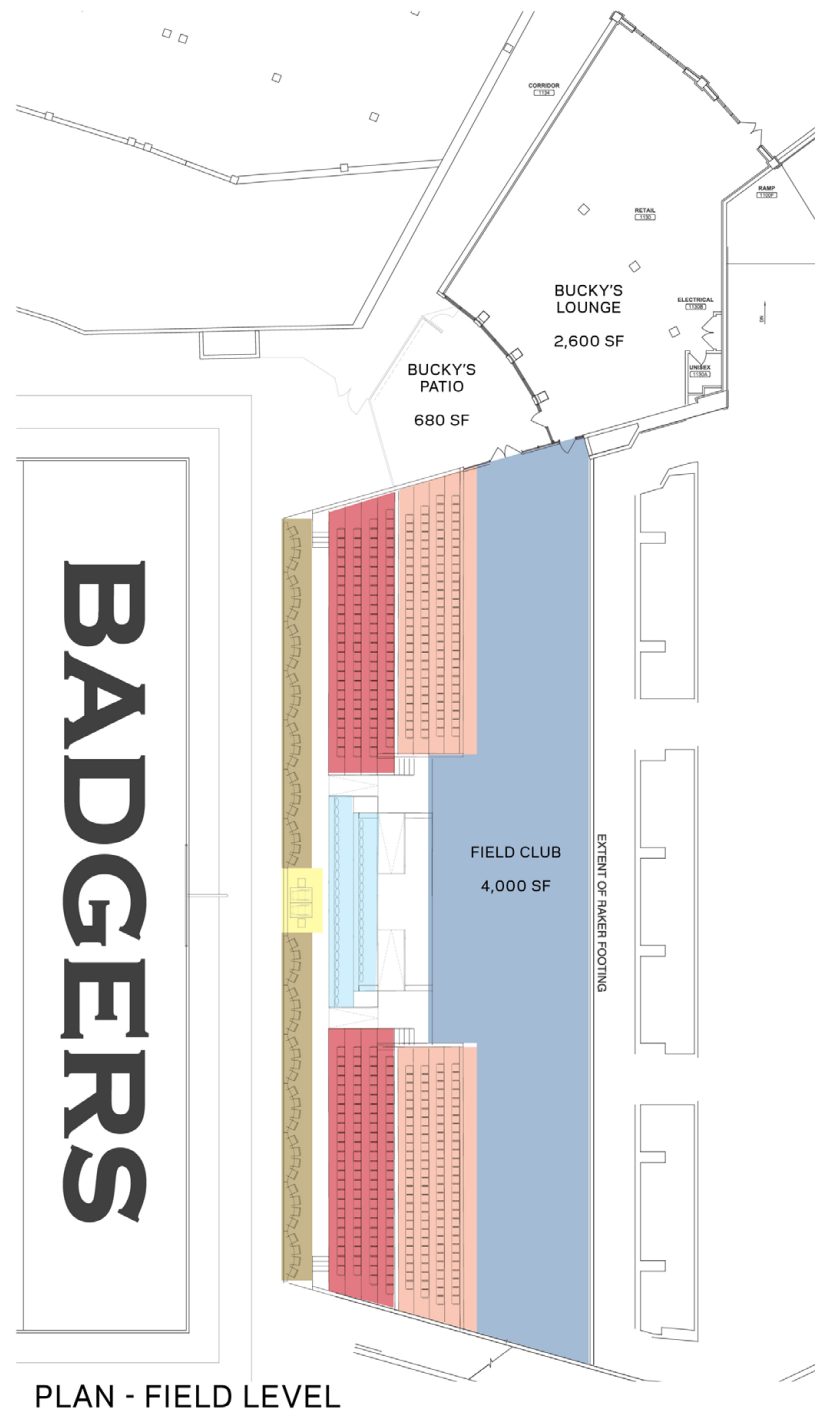
OPTION 1B

- CLUB SEATING FIRST 4 ROWS AND FIELD LOGE SEATING MAXIMIZES CAPACITY OF 4,000 SF CONDITIONED FIELD CLUB SPACE WITH NO CAPACITY FOR ADD-ON TICKETS. BUCKY'S CAN BE ADDITIONAL.
- 15.8 SF PER PERSON IN 4,000 SF CONDITIONED FIELD CLUB SPACE WITH 196 CLUB SEATS + 56 FIELD LOGE TABLE SEATS
- TOTAL ESTIMATED G.A. SEAT LOSS = -792 SEATS (ASSUMES CURRENT SPACING @ 18")

	SF PER PERSON RATIOS:		
	12/SF	15/SF	18/SF
OVERALL TOTAL:	333	267	222
TOTAL W/ BUCKY'S	550	440	367

KEY

- 196 CLUB SEATS @ 21" O.C., 36" TREADS
- 56 FIELD LOGE TABLE SEATS
- 276 NEW G.A. SEATS @ 19" O.C., 34" TREADS
- ADA SEATING WITH COMPLIANT SIGHTLINES
- CONDITIONED FIELD CLUB = 4,000 SF
- FIELD CLUB STANDING PLATFORMS
- 408 NEW G.A. SEATS ON OVERBUILD, WITH MODIFIED VOM WALLS
- NEW SLAB AT CONCOURSE LEVEL, 3,200 SF

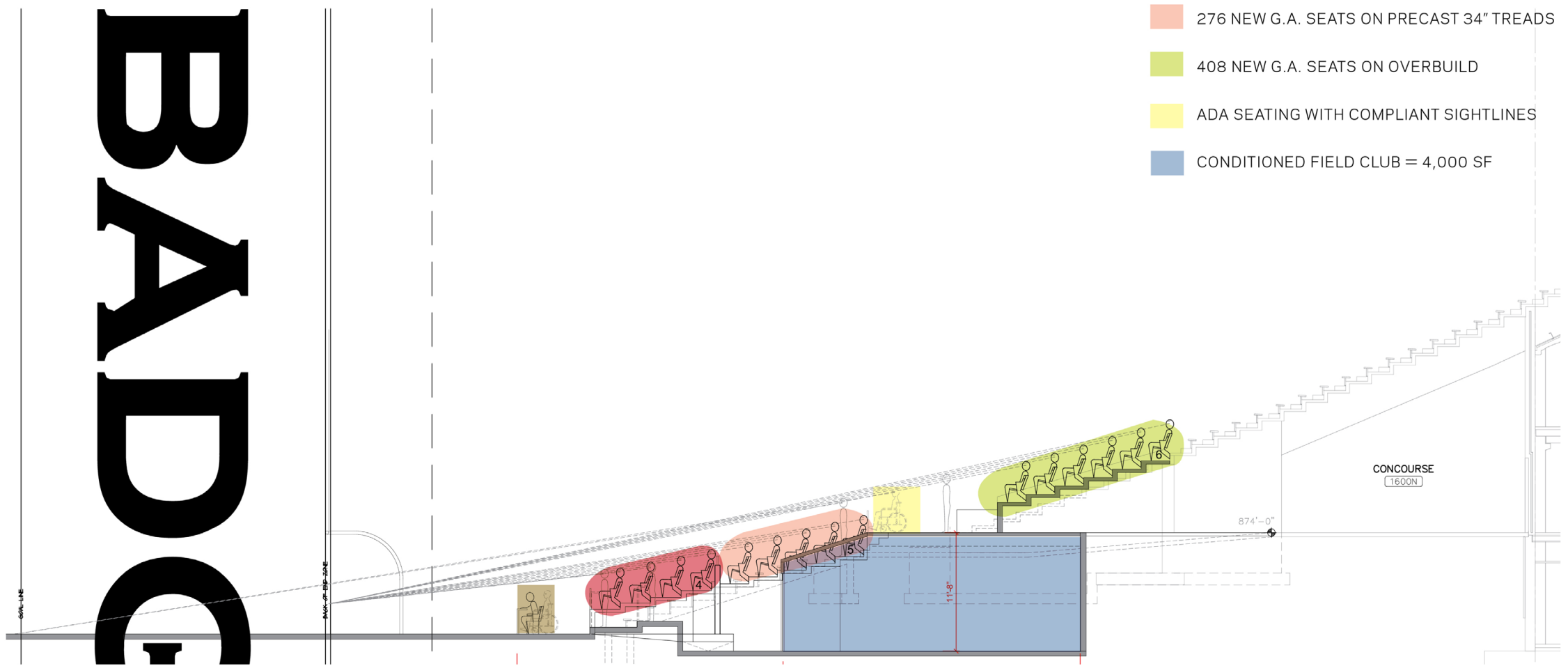


SEATING ENHANCEMENTS

OPTION 1B SECTION

KEY

- 196 CLUB SEATS ON PRECAST 36" TREADS
- 56 FIELD LOGE TABLES
- 276 NEW G.A. SEATS ON PRECAST 34" TREADS
- 408 NEW G.A. SEATS ON OVERBUILD
- ADA SEATING WITH COMPLIANT SIGHTLINES
- CONDITIONED FIELD CLUB = 4,000 SF



SECTION

SEATING ENHANCEMENTS

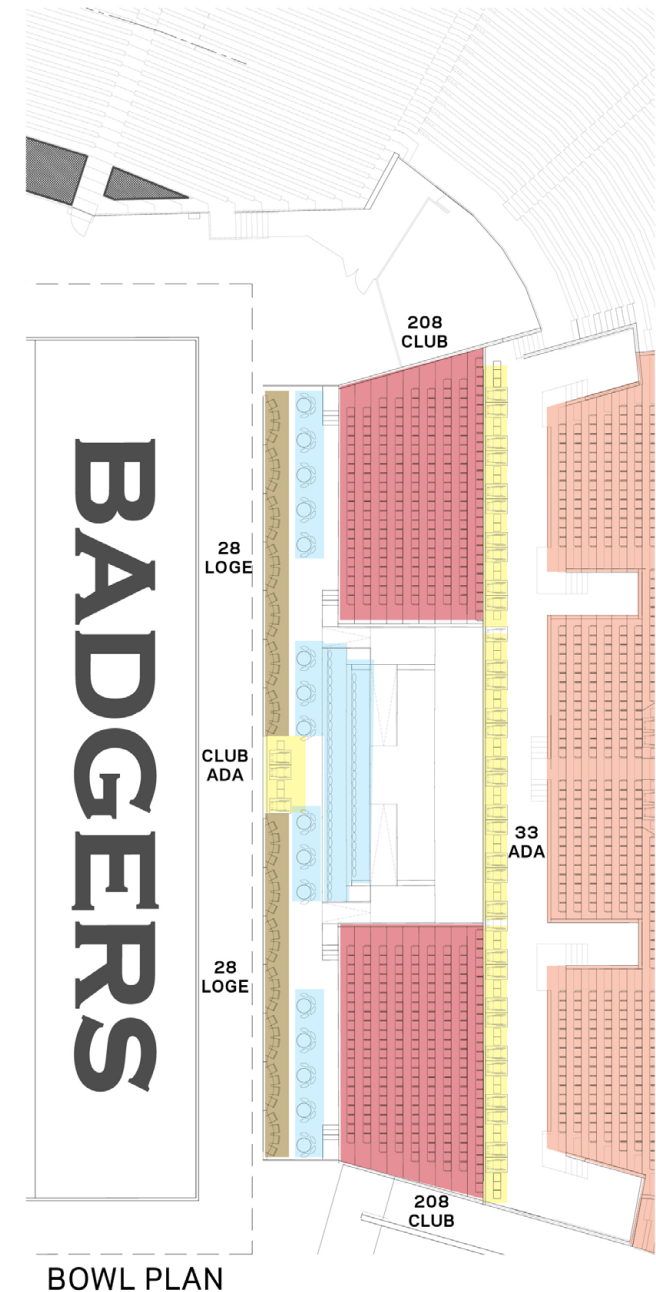
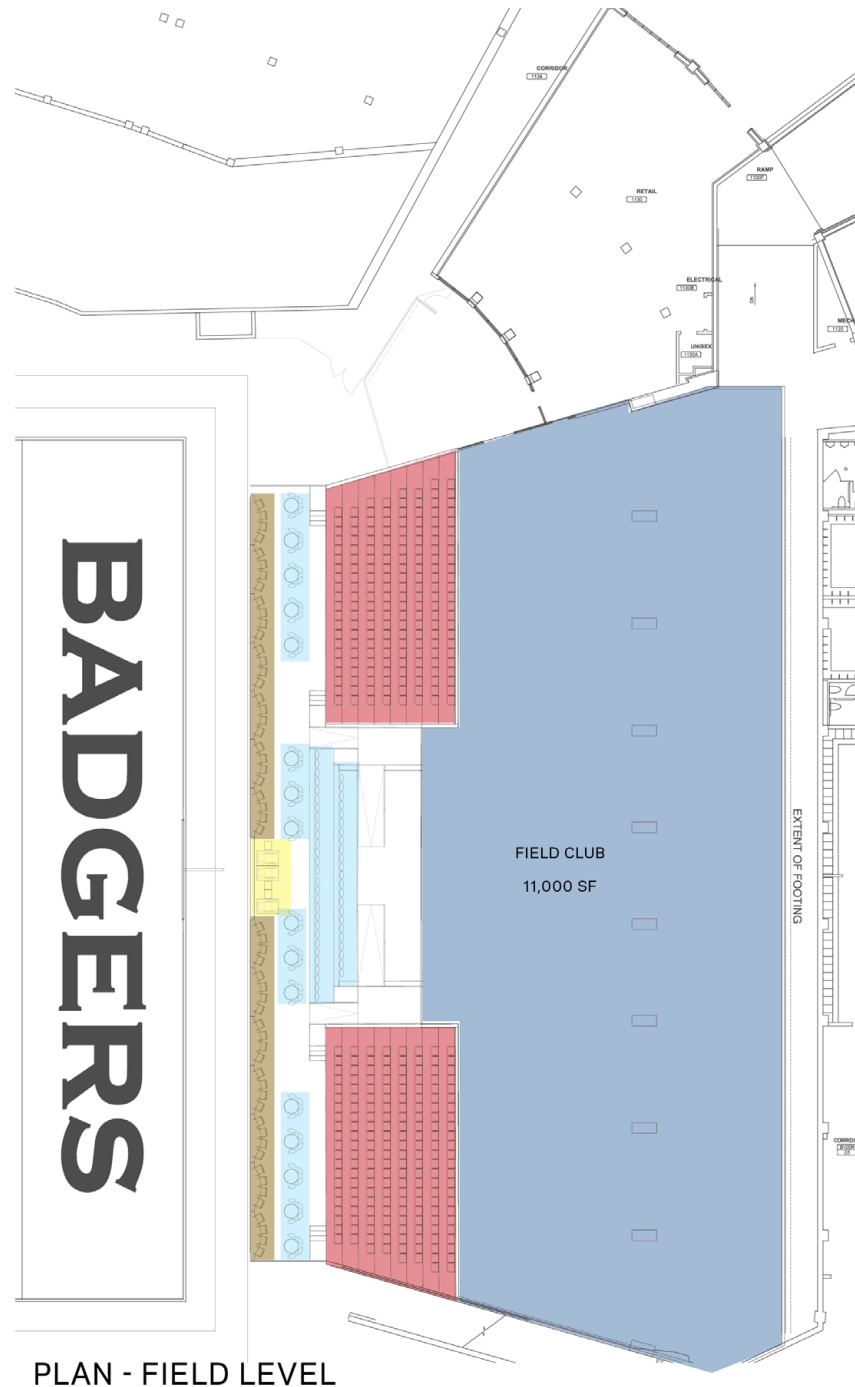
OPTION 1D

- CLUB SEATING FOR ENTIRE LOWER SECTIONS (9 ROWS), FIELD LOGE TABLE SEATING, AND ADD-ON TICKET SALES UTILIZE 11,000 SF OF CONDITIONED CLUB SPACE.
- 472 FIXED SEATS (CLUB & FIELD LOGE) WITH THE ADD-ON QUANTITY PER SF RATIO TABLE BELOW.
- IN ORDER TO ACHIEVE 11,000SF CLUB, EXISTING BOWL AND STRUCTURE MUST BE DEMOED UP TO GRID 1.
- TOTAL ESTIMATED G.A. SEAT LOSS = -1,068 SEATS

	SF PER PERSON RATIOS:		
	12/SF	15/SF	18/SF
OVERALL TOTAL:	916	733	611
POTENTIAL ADD-ONS	444	261	139

KEY

- 416 CLUB SEATS @ 21" O.C., 36" TREADS
- 56 FIELD LOGE TABLE SEATS
- ADA SEATING WITH COMPLIANT SIGHTLINES
- CONDITIONED FIELD CLUB = 11,000 SF
- FIELD CLUB S.R.O. = 115 POSITIONS
- APPROX. 1370 NEW G.A. SEATS 34" TREADS

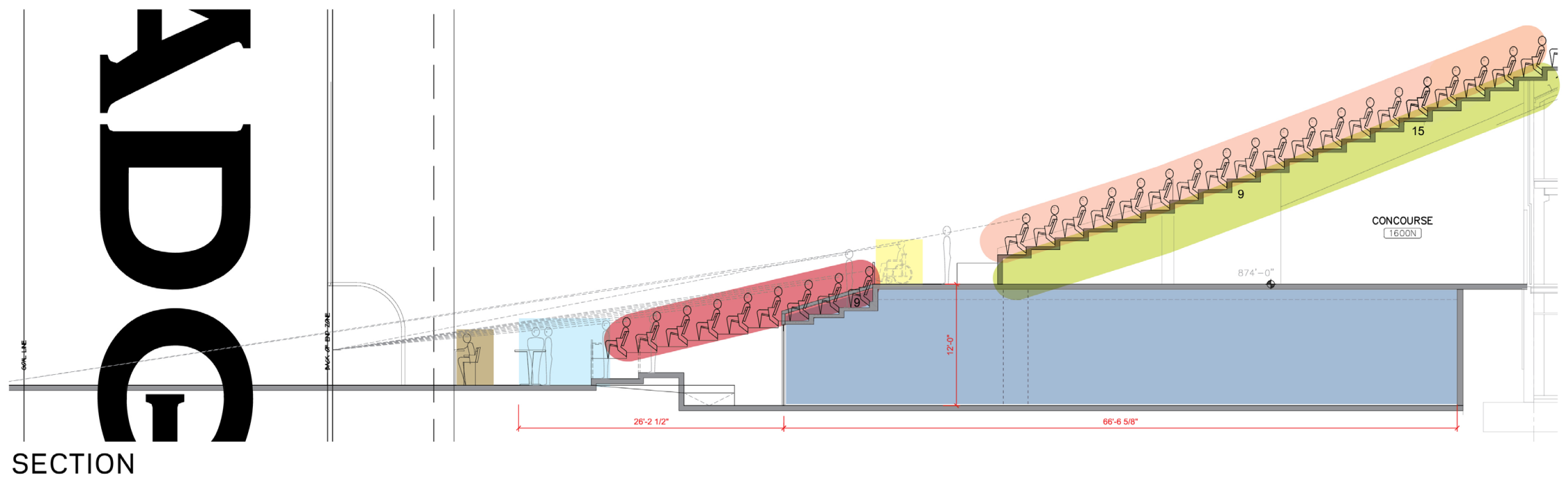


SEATING ENHANCEMENTS

OPTION 1D SECTION

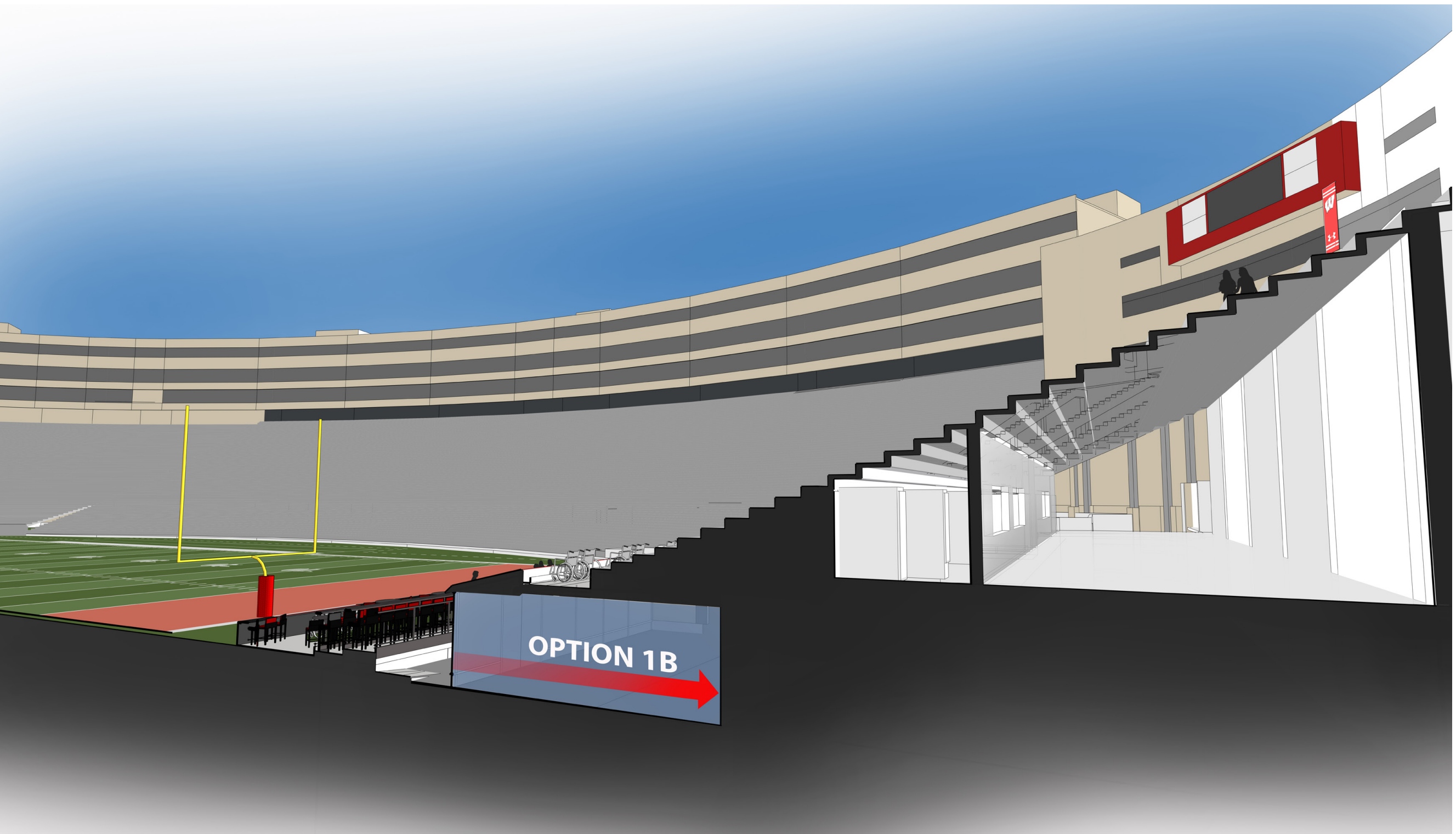
KEY

- 416 CLUB SEATS ON PRECAST 36" TREADS
- 56 FIELD LOGE TABLE SEATS
- 115 FIELD CLUB S.R.O.
- ADA SEATING WITH COMPLIANT SIGHTLINES
- CONDITIONED FIELD CLUB = 11,000 SF
- NEW RAKERS AND PRECAST UP TO GRID 0.9
- APPROX. 1370 NEW G.A. SEATS 34" TREADS



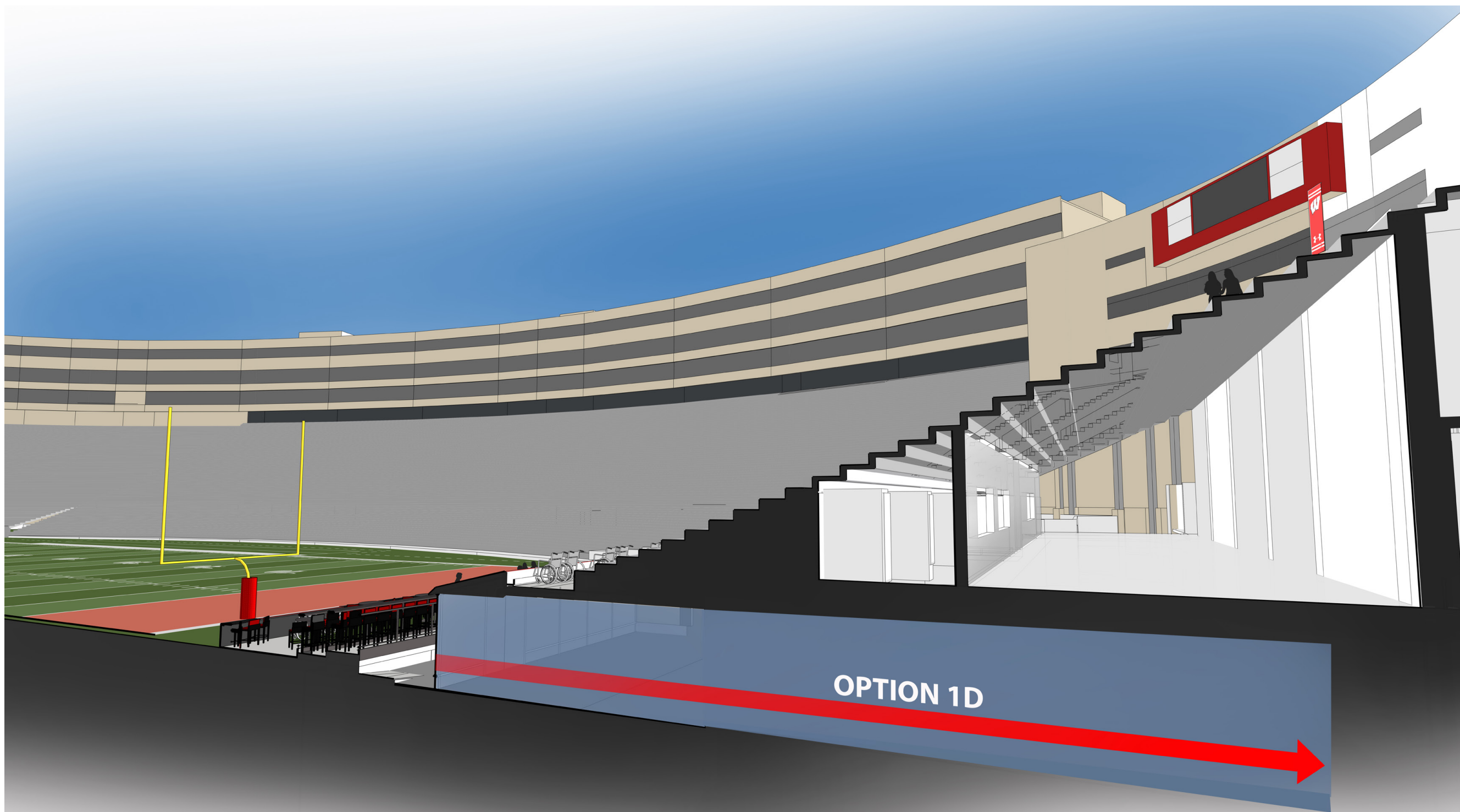
FIELD LEVEL CLUB SCOPE

OPTION 1B



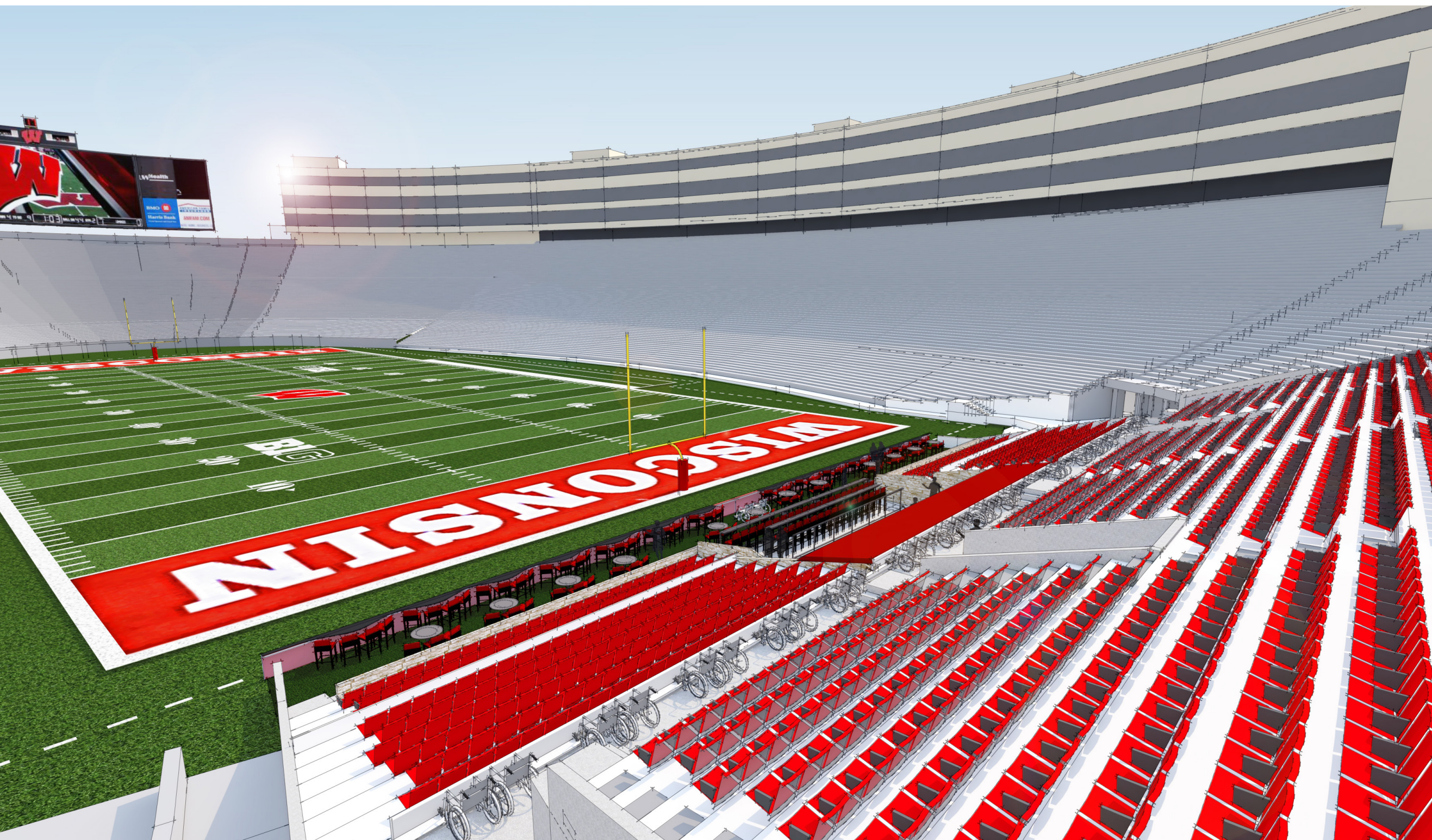
FIELD LEVEL CLUB SCOPE

OPTION 1D



SEATING ENHANCEMENTS

OPTION 1D



SEATING ENHANCEMENTS

OPTION 1D



SEATING ENHANCEMENTS

OPTION 1D



SEATING ENHANCEMENTS

OPTION 1D



SEATING ENHANCEMENTS

OPTION 2A

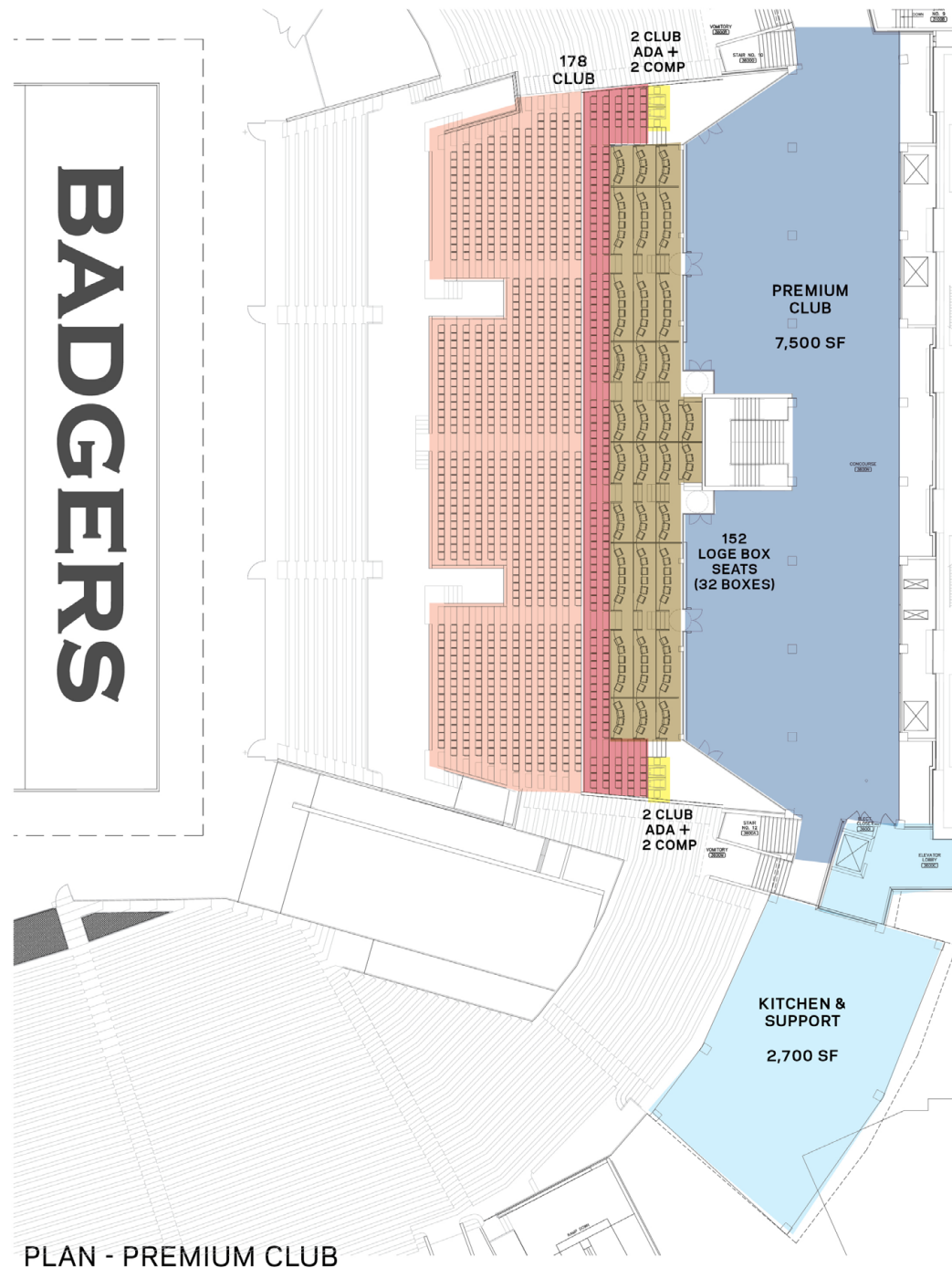
- 7,500 SF PREMIUM CLUB + 2,700 SUPPORT SPACES = 10,200 SF OF GROSS PREMIUM AREA.
- PREMIUM CLUB = 30.9 SF PER PERSON WITH 178 CLUB SEATS AND 152 LOGE SEATS (32 BOXES).
- 20% OF LOGE BOXES ARE ACCESSIBLE
- TOTAL ESTIMATED G.A. SEAT LOSS = -3,530 SEATS (ASSUMES CURRENT SPACING @ 18")

CLUB SF PER PERSON RATIOS:

	20/SF	30/SF	40/SF
OVERALL TOTAL:	510	340	255

KEY

- 178 CLUB SEATS @ 21" O.C., 34" TREADS
- ADA SEATS + COMPANIONS
- 152 LOGE BOX SEATS (32 BOXES)
- CONDITIONED PREMIUM CLUB = 7,500 SF
- CLUB SUPPORT SPACE = 2,700 SF
- APPROX. 811 NEW G.A. SEATS 34" TREADS

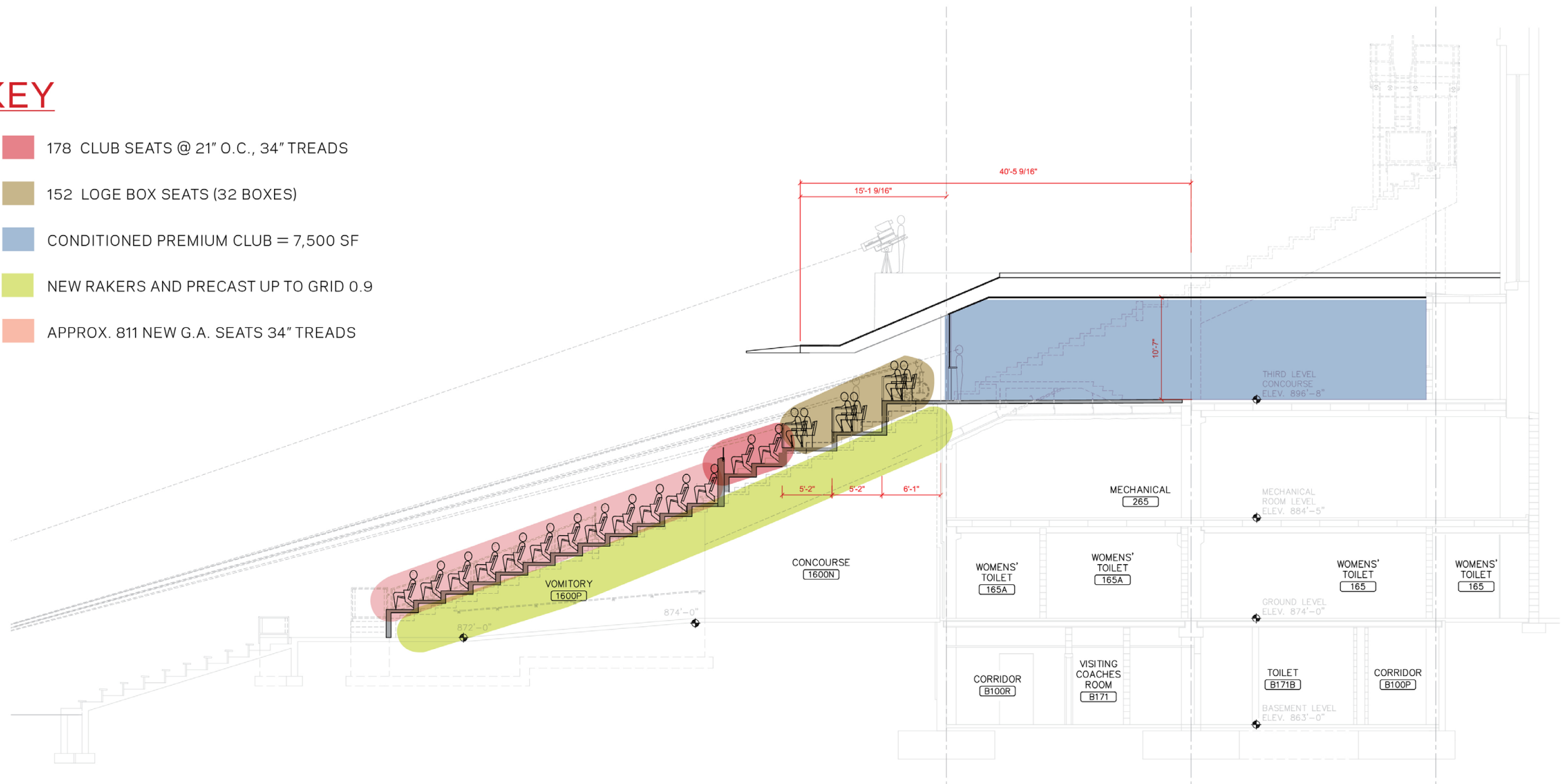


SEATING ENHANCEMENTS

OPTION 2A SECTION

KEY

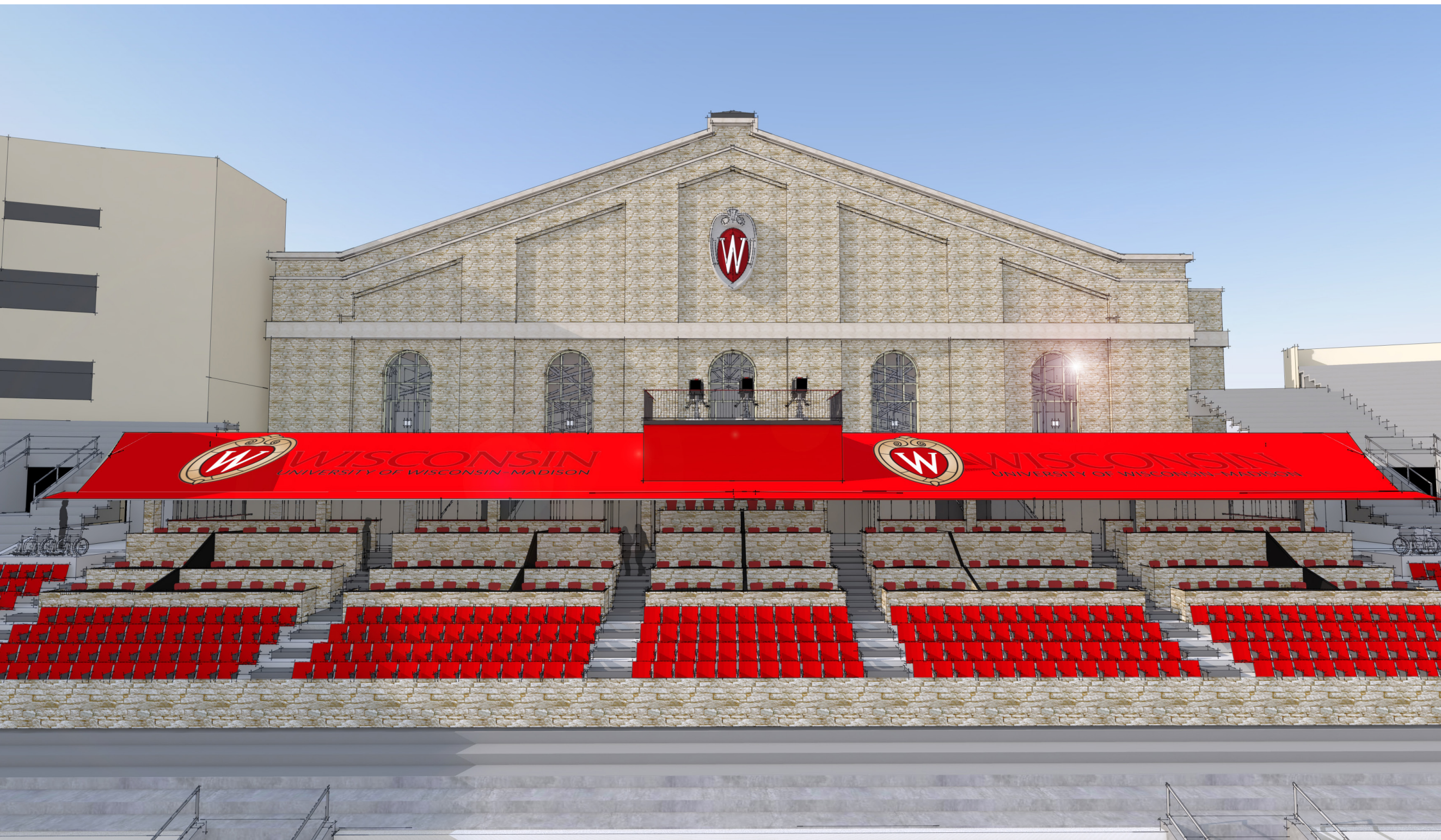
- 178 CLUB SEATS @ 21" O.C., 34" TREADS
- 152 LOGE BOX SEATS (32 BOXES)
- CONDITIONED PREMIUM CLUB = 7,500 SF
- NEW RAKERS AND PRECAST UP TO GRID 0.9
- APPROX. 811 NEW G.A. SEATS 34" TREADS



SECTION

SEATING ENHANCEMENTS

OPTION 2A



SEATING ENHANCEMENTS

OPTION 2A



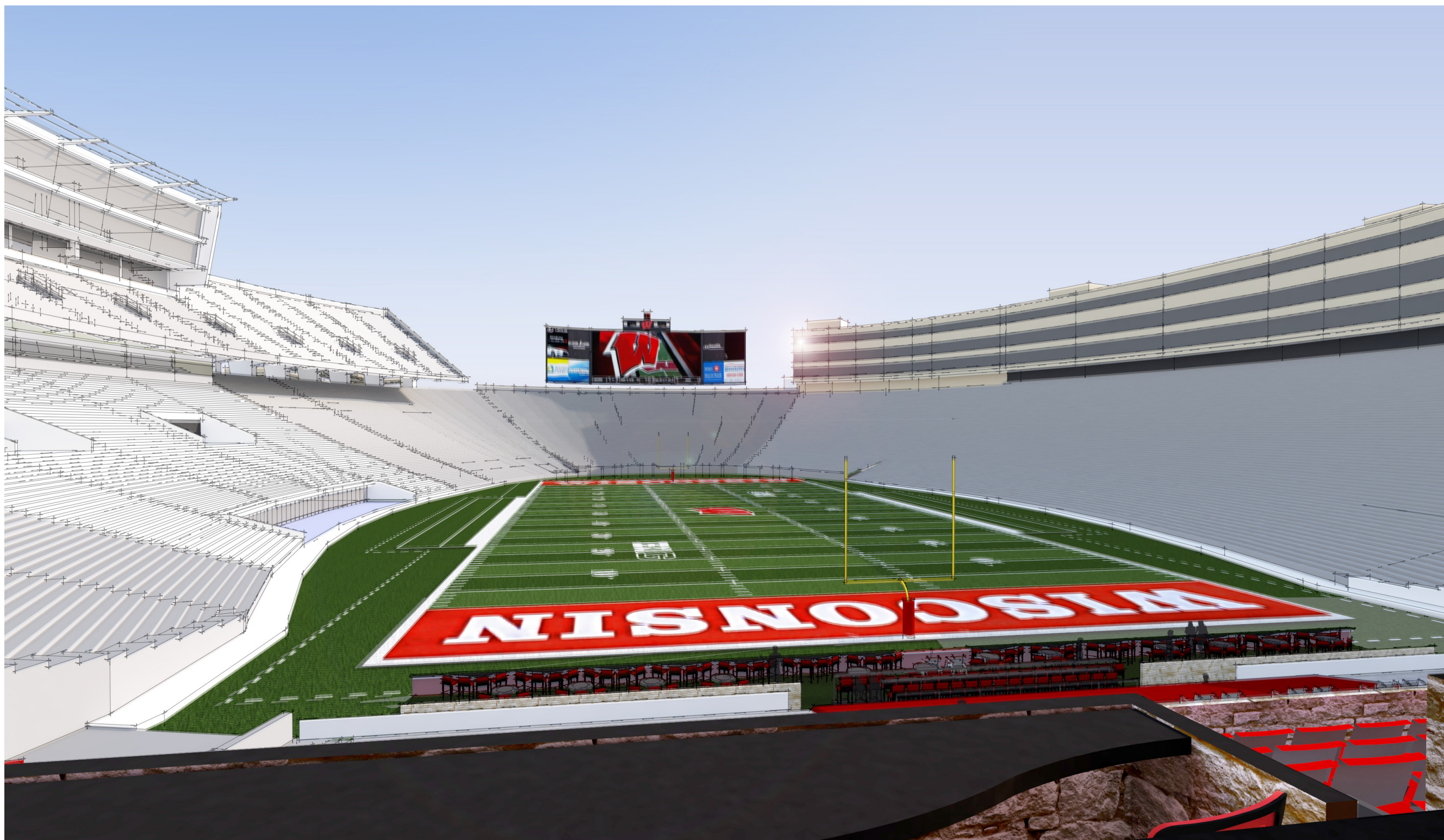
SEATING ENHANCEMENTS

OPTION 2A



SEATING ENHANCEMENTS

OPTION 2A



SEATING ENHANCEMENTS

OPTION 3

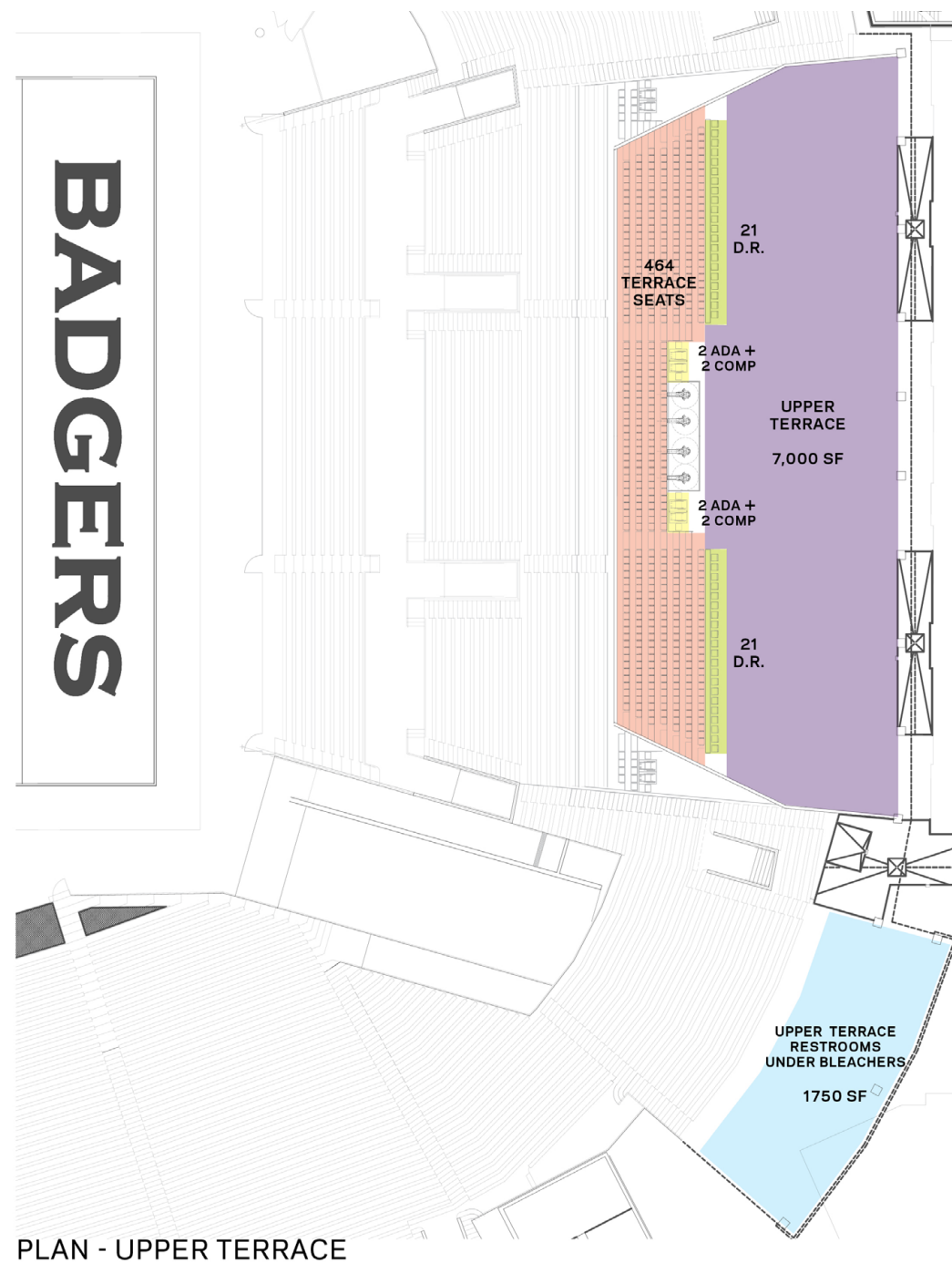
- OPTION 3 IS DEPENDENT UPON THE IMPLEMENTATION OF OPTION 2A
- UPPER TERRACE = 13.8 SF PER PERSON
- ACCOMODATES 4 (6' X 8') HIGH END ZONE CAMERA POSITIONS
- TOTAL ESTIMATED G.A. SEAT LOSS = -3,530 SEATS (ASSUMES CURRENT SPACING @ 18")

CLUB SF PER PERSON RATIOS:

	20/SF	30/SF	40/SF
OVERALL TOTAL:	510	340	255

KEY

- 464 TERRACE SEATS @ 19" O.C., 34" TREADS
- ADA SEATS + COMPANIONS
- 42 TERRACE DRINK RAIL SEATS
- UPPER TERRACE SUPPORT SPACE = 1,750 SF
- UPPER TERRACE = 7,000 SF



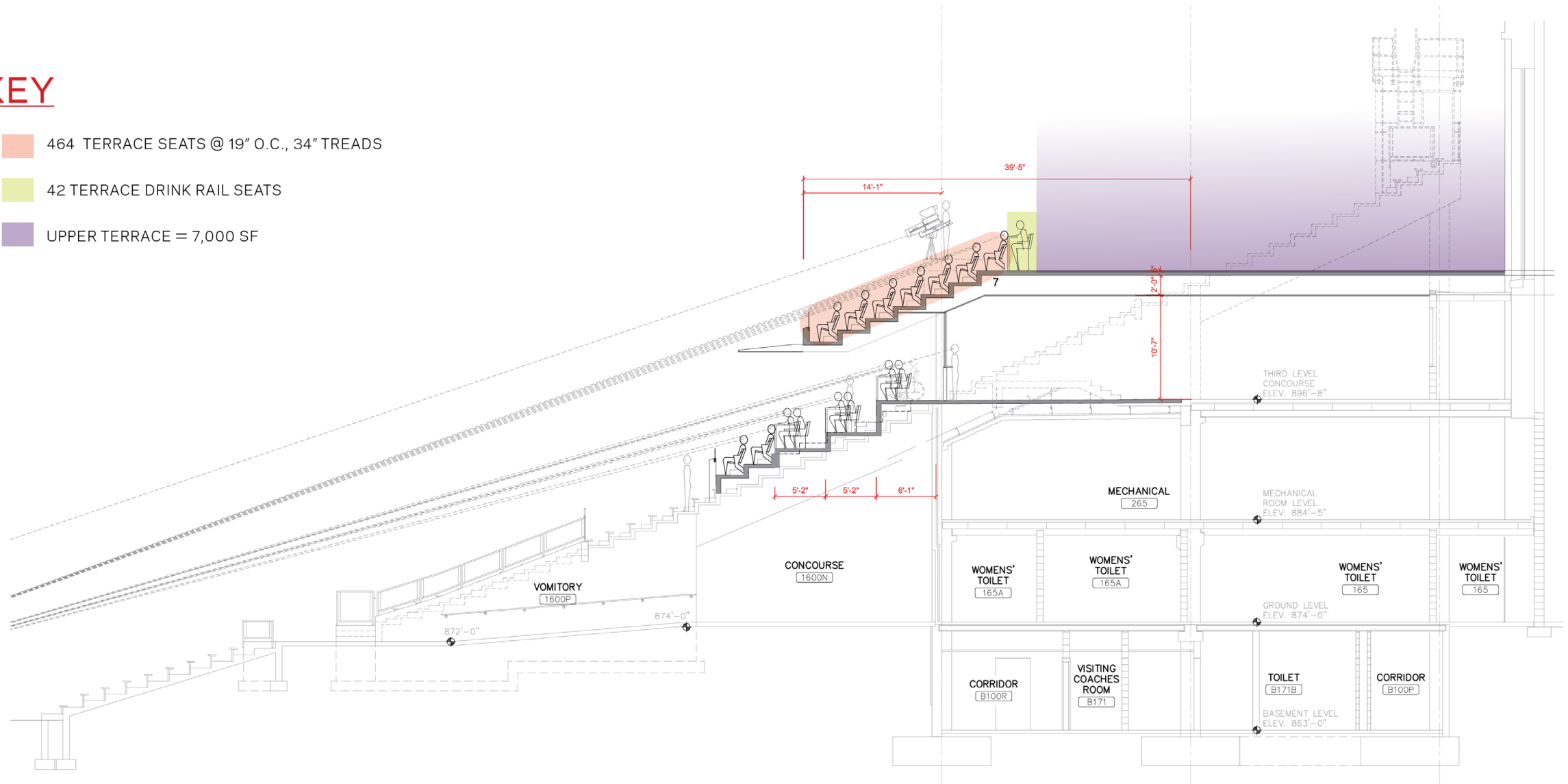
PLAN - UPPER TERRACE

SEATING ENHANCEMENTS

OPTION 3 SECTION

KEY

- 464 TERRACE SEATS @ 19" O.C., 34" TREADS
- 42 TERRACE DRINK RAIL SEATS
- UPPER TERRACE = 7,000 SF



SECTION

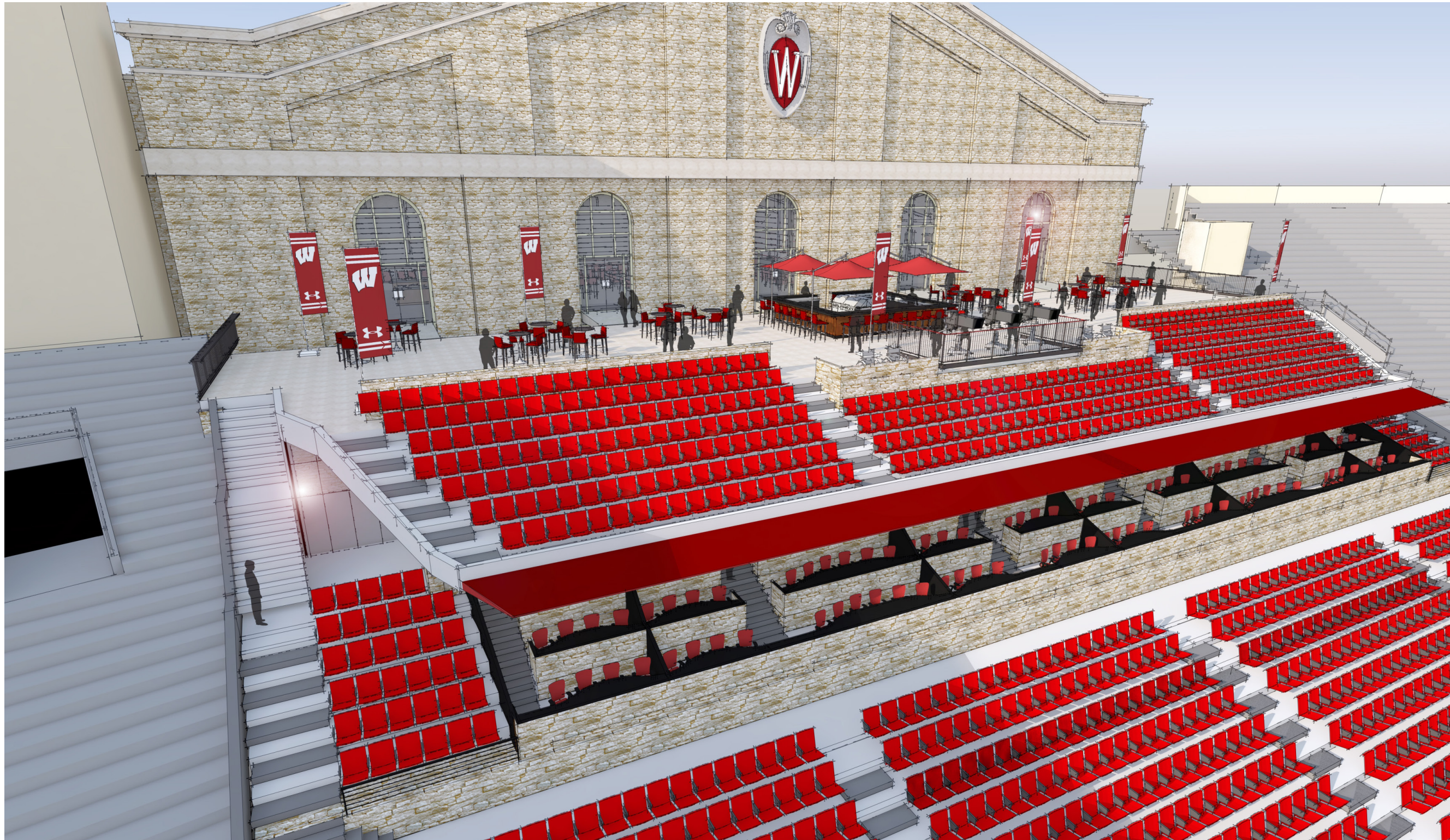
SEATING ENHANCEMENTS

OPTIONS 2A + 3



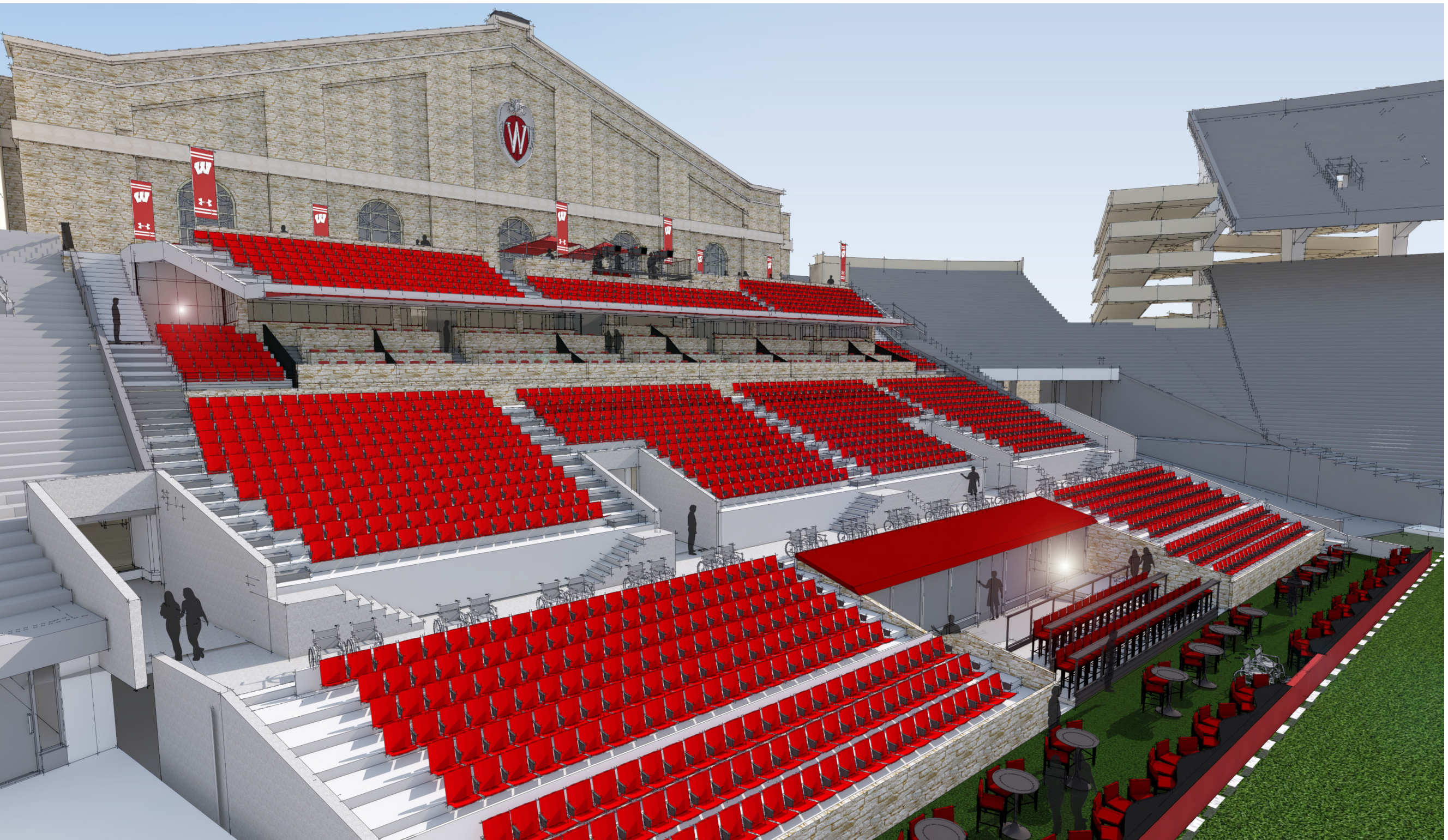
SEATING ENHANCEMENTS

OPTIONS 2A + 3



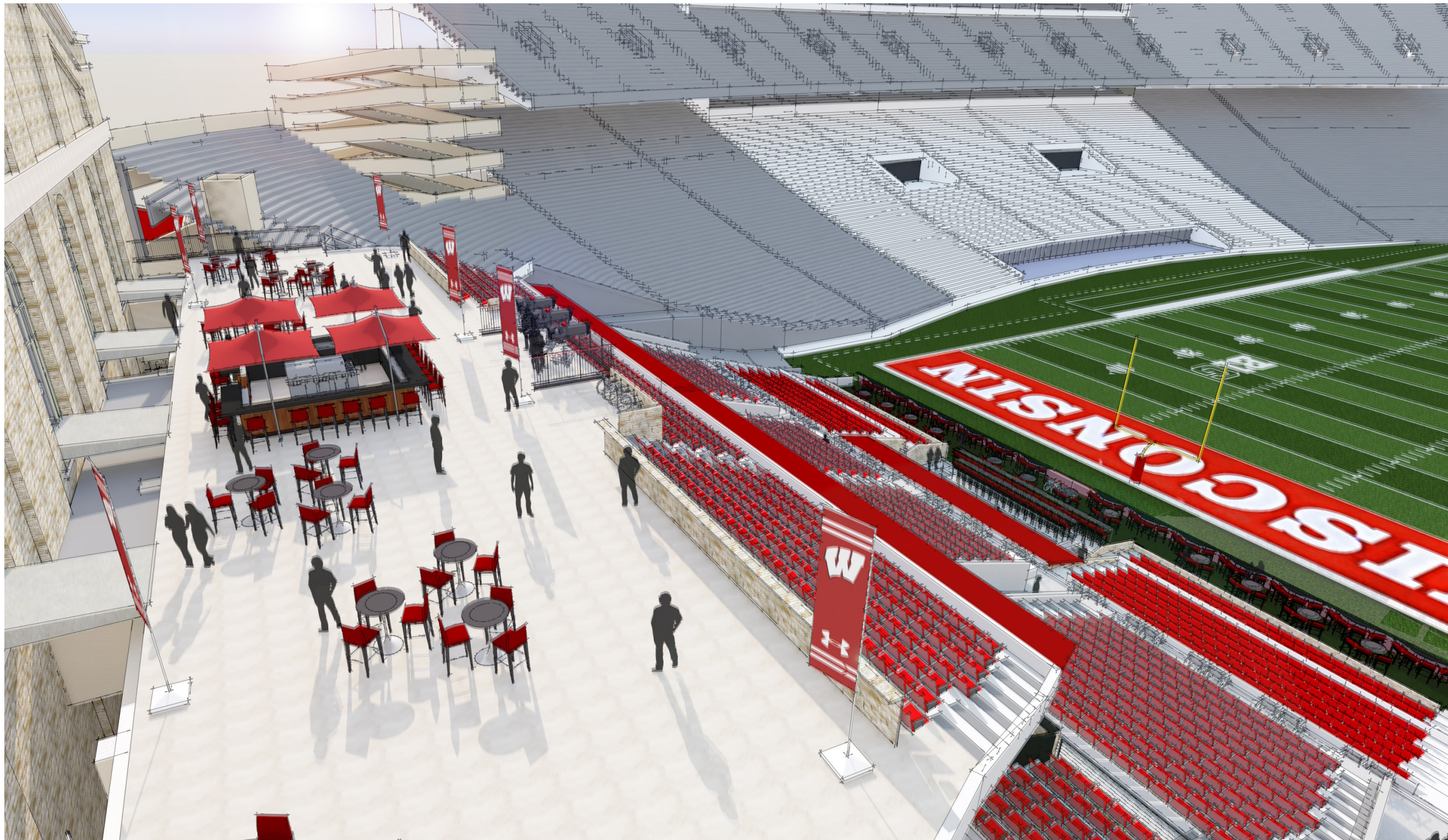
SEATING ENHANCEMENTS

OPTIONS 1D + 2A + 3



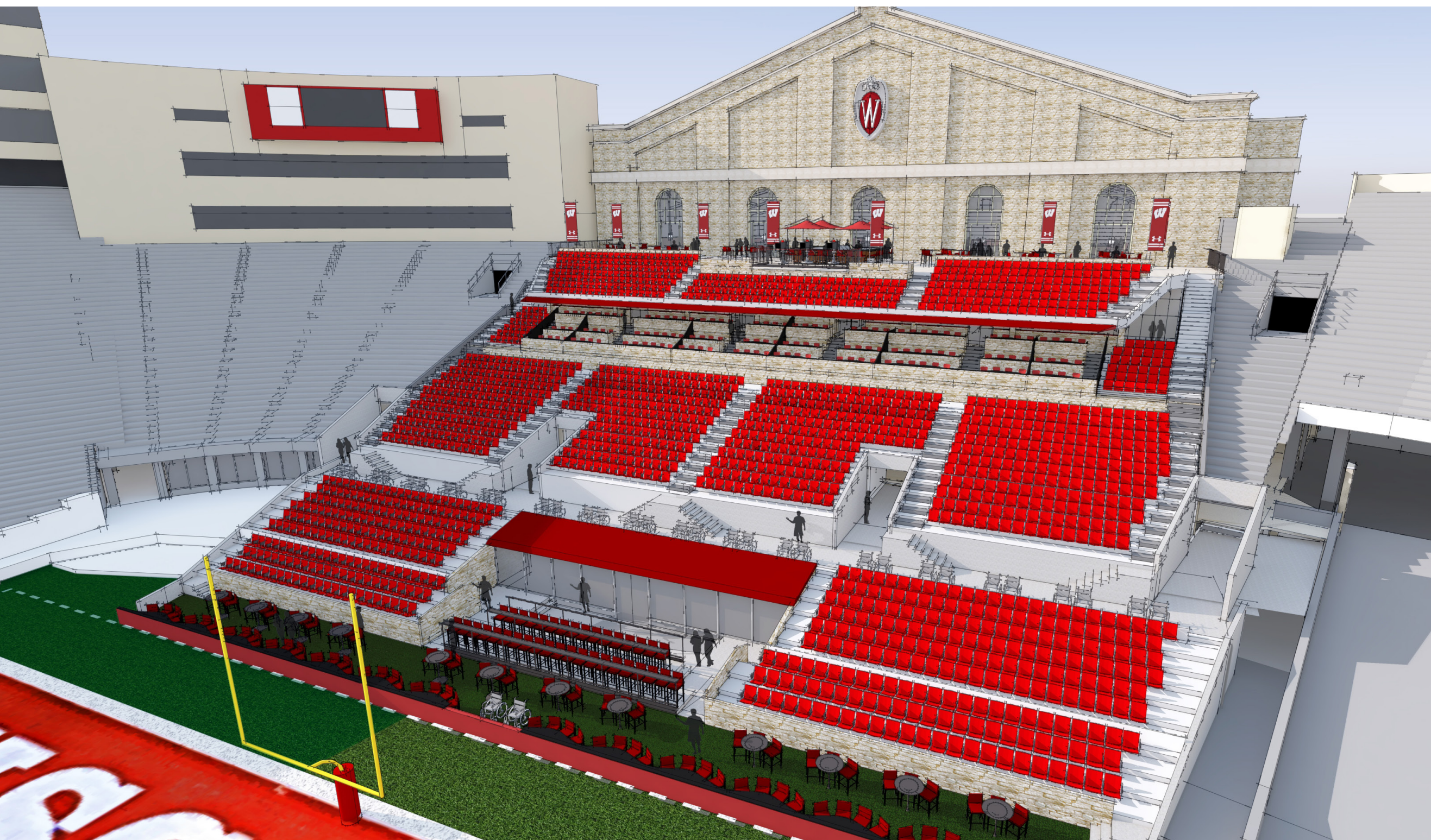
SEATING ENHANCEMENTS

OPTIONS 1D + 2A + 3



SEATING ENHANCEMENTS

OPTIONS 1D + 2A + 3



SEATING ENHANCEMENTS

OPTIONS 1D + 2A + 3



SEATING ENHANCEMENTS

OPTIONS 1D + 2A + 3



SEATING ENHANCEMENTS

OPTIONS 1D + 2A + 3







SECTION / 04

SYSTEM NARRATIVES



NARRATIVES

ELECTRICAL OVERVIEW

This project consists of a renovation of the south end zone field, infrastructure, terrace and concourse area at Camp Randall Stadium. Power for the south end of the stadium is from the Kellner Hall substation located in the basement. Data for the stadium is from the MDF located in the basement of Kellner Hall. The existing power, signal and broadcast duct banks/cabling will be relocated and replaced due to the extension of the field club into the field. The existing Video Booth and Score Clock systems will require relocation as well. New normal and emergency power panels will be needed for the new work. Lighting will use LED fixtures. New power outlets and mechanical connections will be provided. A new TR/IDF will be constructed on the west side of the new field club to support the new infrastructure. New voice and data outlets will be provided as requested by owner. The existing cable trays on the 3rd level concourse will require revisions.

The roof of the second-floor mechanical room will be removed and the area temporarily protected until the new roof structure is established. Existing conduits and lighting will need to be reworked from the ceiling to the walls for demolition and to allow connections to the existing structural beams. Operation of the existing equipment should not be affected.

SUSTAINABLE INITIATIVES

The project will be designed to conform to the requirements of the **IECC 2009** Energy Code. Energy efficient LED fixtures shall be specified to optimize the lumens per watt of the lighting system.

DEMOLITION

Existing light fixtures, ceiling/wall mounted electrical devices, data/voice outlets and systems located within the concourse area shall be removed and/or relocated as required to accommodate the renovation work of the project. The existing video, broadband and score clock equipment near and within the booth will require revisions/relocations. Existing IPTV, WiFi devices and DAS transmitters/receivers will be removed and salvaged for reinstallation. Existing mechanical equipment being removed will be electrically disconnected along with associated disconnects, starters and controls.

The devices and equipment in the four concession stands will be removed and reinstalled.

NEW WORK

The existing normal and emergency power distribution panels on the second level of the end zone are not adequate to support the new loads. Provide a new breaker in the Kellner Hall electrical vault and extend a circuit to a new 480V panel to be located in the second floor mechanical room. For each of the new club spaces provide a new 200A panel with transformers to 120/208. For emergency power there appears to be available breakers in panels MDPX/HA (480V) and BC2X/LA (120V). As far as we know there are no main feeders in conflict with the renovation/demolition. Underground ductbanks are located in the driveway and must be protected from heavy loads. 480V power will be extended for HVAC loads.

The expansion onto the field at the south end zone will disrupt the 480 V. power feeders, conduits and pull boxes going out to the 120/208 V. transformers on the field near the 20's. There is a 200-pair copper line from Section J onto the field, 50 pair at each 50-yard line (East and West) and 12 pairs to each 20-yard line (East and West). There are fiber cables from the A & O building onto the field, 12 to the east 50 and 24 to the West 50-yard line. There are MIC lines/conduits which may be disrupted. There is an existing manhole at the south end zone which has some of the fiber and copper cabling mentioned above which will be disrupted and reinstalled. All wiring will be pulled back to the AO building, box conduits re-established and feeds re-pulled back to the sources.

New fixtures specified within the project will be provided with energy-efficient LED sources to optimize the fixture lumens/watt. Dimming will be provided as required or requested and where feasible in all rooms to provide greater occupant controllability. Occupancy sensors will be provided as required for automatic shut-off of fixtures.

Emergency egress light fixtures and exit signs will be circuited to the Emergency Life Safety Branch Panel in the area as

required by code.

Exterior building-mounted fixtures will be specified with full cutoff optics to minimize light pollution. The fixtures will be placed on the site as required to conform to campus standards for average illumination levels of the area. Fixtures will be controlled through photocell and timeclock functions to optimize the operation schedule.

The owner's standards for devices shall be maintained. General purpose, convenience duplex receptacles will be installed as required by code or requested by owner. All outlets will be identified per facility standards. Special outlet devices will be provided as required or requested. New electrical connections will be provided to all mechanical and plumbing equipment/loads and associated controls. New owner furnished equipment loads will be connected.

A new data/voice room(TR/IDF) will be provided with service entrance conduit sleeves, racks, patch panels, cabling and supports near the south west side of the stadium. Data/voice and TV outlets will be provided per owner's request. Some of the existing Data Room/IDF's will be utilized as well depending on circuit location. As mentioned in the demolition section, the Video booth and TV equipment above the booth will be relocated to the new terrace area. The conduit sleeves from the 3rd floor concourse tray up to the booth will need to be replaced. The Score Clock will be relocated and additional clocks will be required as to have two clocks at each of the north and south end zones.

The new cable trays installed recently at the first-floor concourse will need to be taken down and modified. All circuits and devices will be reestablished. They serve IPTV's, WiFi and DAS. The third-floor concourse has two 24" wide cable trays which can be revised/lowered for construction. Protection and continuity of these cables is critical. There are splice plates in locations which will accommodate the required revisions. Scaffolding or some other type of temporary support will be required.

The existing card access control and security camera systems will be expanded into the project areas as directed by owner. The existing fire alarm system will be expanded into the project areas per NFPA 72.

The concession stands at first floor concourse are served from Panel BD1/LB, located in the center main concession space. This panel, can be reutilized to serve new concession loads. The four concession stands will be reestablished as-is. A new serving area will be provided for the new club area. Load will be provided for new kitchen equipment.

The press box upgrade will require the following:

9th level will remain as-is.

On 8th level, power and data wiremold will be reworked for the 150 press seats. New lighting and general power outlets will be provided. Existing fire alarm, DAS, IPTV and WiFi will be reworked in the ceiling. The electrical panel in the corridor will be replaced and circuits re-established.

On 7th level, the cable tray in the corridor will need to be replaced and raised. Recircuit existing devices. New lighting in all room and corridor. Fire alarm, DAS and WiFi will be reworked.

New turf and infrastructure will be provided on the football field. New ductbanks will be extend on the north to complete a ring around the field. Manholes will be provided and new electrical, data and broadcast panels added to the north and south ends of the field.

NARRATIVES

FIRE PROTECTION OVERVIEW

In general, the work will consist of a renovation of the south end zone field, infrastructure, terrace and concourse area at Camp Randall. There is a fire pump that serves the stadium, located in the east concourse on first level. There is an existing main that runs around the entire stadium on third/second level. The main has capacity for extension to new heads to serve the renovation. The roof of the second-floor mechanical room will be removed and the area temporarily protected until the new roof structure is established. Existing piping will need to be temporary supported from the floor and then reestablished to the new structure. Operation of the existing equipment should not be affected.

Design and installation of the fire protection system shall be in compliance with NFPA 13, NFPA 14, and in addition to state and local codes.

DEMOLITION

Connections to the existing sprinkler system for new work may require shut-downs of larger portions of the sprinkler system. The shut-downs may require alternative means of fire protection, and/or a fire watch to be provided at the affected areas during times when the sprinkler system is not operational.

NEW WORK

The existing area of building where the renovation is taking place is currently sprinkled. New connections to fire protection mains will be made, and new mains run throughout the project area. A new dry sprinkler system will be added to serve the Terrace area and Loge seating. Provide new zone control assemblies with butterfly valve, flow and tamper switches -as required.

New sprinkler heads will be installed, in coordination with other trades, in the center of ceiling tiles. Sprinkler heads will be quick response, concealed heads with painted white cover plates. Sprinkler heads in exposed areas to be upright heads. Piping to be black steel, type F, Grade A, ASTM A53, schedule 10 or 40. All products will be FM Global approved.

The west press box upgrade will require the following;
9th level will remain as-is.

On 8th level the existing piping and heads will be removed and replaced with new to fit the room layouts.
On 7th level the existing piping and heads will be removed and replaced with new to fit the room layouts.

HVAC OVERVIEW

In general, the work will consist of a renovation of the south end zone field, infrastructure, terrace and concourse area at Camp Randall. There are two main mechanical rooms that serve the stadium. The south end zone has steam, chilled water and hot water distributed from the basement of Kellner hall. The air units that serve the field house and the south end zone are located in the second floor of the south end zone. Existing utilities are available for extension to new equipment to serve the renovation. The roof of the second-floor mechanical room will be removed and the area temporarily protected until the new roof structure is established. Existing piping and ductwork will need to be temporary supported from the floor and then reestablished to the new structure. Operation of the existing equipment should not be affected.

SUSTAINABLE INITIATIVES

Existing ductwork, piping and other systems to be remodeled will be removed from the site and recycled in accordance with local recycling practices in order to reduce the impact of the construction waste on the local environment. System service interruptions due to demolition activities will be pre-scheduled between the contractor and owner to coordinate the best timing.

New HVAC systems being installed for the remodeling will be designed to minimize energy usage and meet or exceed the baseline energy performance requirements of the International Energy Code, DFD Standards and ASHRAE standard 90.1. Ventilation systems will be designed to meet or exceed the requirements set forth in ASHRAE standard 62.1, *Ventilation for Acceptable Indoor Air Quality*. Heat recovery systems will be employed where possible to minimize the energy penalty of increased ventilation.

New air handling units will be selected as fully customizable units to match facility standards, and will utilize building steam for heating and humidification, chilled water for cooling, plenum fan walls, and high-level filtration systems (MERV 13).

Thermal comfort for each zone is evaluated against ASHRAE standard 55, *Thermal Environmental Conditions for Human Occupancy*. Individual zone temperature will be monitored and controlled by the occupant. Where it makes sense, rooms with similar climates will be grouped together onto a single zone.

The existing building automation system (BAS) will be extended to integrate the new equipment and controllers installed in the renovated spaces. The system will be electronic with DDC controls and will integrate any existing pneumatic equipment left after the remodeling into the new electronic system. All new equipment and zones will be integrated into the BAS for monitoring, alarm reporting and adjusting by facility staff.

Proper ventilation is critical to a healthy environment. To aid in managing and maintaining proper ventilation levels, outdoor air monitoring stations will be provided for new variable air volume systems and will be interlocked with the building automation system to adjust dampers as the system changes. During construction, an indoor air quality management plan will be specified to protect the HVAC system and adjacent occupied areas, maintaining a healthy environment for workers and building occupants as the remodeling takes place. At the end of construction all new air systems and modified systems will be balanced to ensure proper ventilation is provided in accordance with the design.

DEMOLITION

On first level the glycol piping along with the heating and ventilation in the four concession stands should be removed and replaced.

On second floor there is minimal demo. Provide for protection of the existing equipment.

On third floor the air intakes need protection and may need to be extended due to construction fumes.

NARRATIVES

NEW WORK

The field club will need a new air unit to serve the new space. The unit will be a single zone VFV system with coils arranged for heating, cooling and reheat inside the air unit. A mechanical room will be provided in the club space, preferably to the west. With the size of the air unit and considering it serves a large space a return fan is not needed. Steam and chilled water should be extended from the second-floor mechanical room. A condensate pump will be needed to transfer steam condensate back. An exhaust fan provided for toilet rooms.

The new terrace club will need a new air unit to serve the new space. With the size of the air unit and considering it serves a large space a return fan is not needed. The unit will be a single zone VFV system with coils arranged for heating, cooling and reheat inside the air unit. There is space in the east side of the second-floor mechanical room that could support a new AHU with some ductwork reconfiguration. Steam and chilled water is located in the second-floor mechanical room.

The kitchen and support space will have a supply duct extended from the new air unit serving the loge space and a new exhaust fan to support code required exhaust. Hot water radiation will be used to heat the space during unoccupied times until the space can be drained at end of season. Hot water is located at the east end of the mechanical room.

8in CWS/CWR should be extended from the valved mains at the east side of the mechanical room thru the room to the west, for connections to the two new air units and also for future cooling of the fieldhouse. Pipe capacities are adequate for the new loads. A Low-Pressure Steam main exists in the mechanical room to support the new loads.

The exterior covered loge boxes will have radiant heaters (below the new patio) as a client service amenity.

Controls will extend the existing JCI DDC system and utilize electronic devices for all HVAC equipment.

The new IDF room will require a self-contained A/C unit for cooling.

The west press box upgrade will require the following;
9th level will remain as-is.

On 8th level the existing gas fired 100% OA air unit be replaced with a new exterior modular unit with heating and cooling coils. Existing glycol hot water and chilled water will be extended from adjacent risers. Blower coil units will be located in the ceiling to provide supplemental cooling of the area with ducted supply and return. Chilled and hot water will be extended from existing risers. The main supply duct will be replaced to fit into the new ceiling layouts. Exhaust fans will be replaced that serve the toilet and concession spaces. Radiation units will be provided for back of house spaces.

On 7th level the press boxes will have new electric finned tube units. The exhaust will be replaced to serve the toilet rooms. The corridor will have heating and ventilation for the new enclosed space. Hot water will be extended from the existing risers.

The field house restoration will have air conditioning added to the two existing air units. Chilled water is existing. VFD's will be added to the three units to maintain humidity levels. There will be two small air units added to the south end for supplemental cooling. Chilled water will be extended from the mechanical room in the lower level of Kellner hall.

New turf and infrastructure will be provided on the football field. Gas piping will be extended to the sidelines from the south-west corner for future use.

INTERIORS OVERVIEW

Interior materials and finishes will be selected based on the Camp Randall Stadium color and finish standards. If additional materials and finishes are required beyond the standards developed, suggestions will be made which are compatible with and extend the standards.

SUSTAINABLE INITIATIVES

Material evaluation will be made based on cost effectiveness, performance attributes, and environmental features. Priority will be given to materials that are locally sourced or supplied, that contain recycled content, and which take into account the ability of the material itself to be recycled into a quality product.

Selection of adhesives and sealants will be low-VOC to meet SCAQMD Rule 1168. Paints and coatings will be low-VOC content to meet Green Seal Standard GS-11 and SCAQMD Rule 1113. Wood and agri-fiber products will be specified to contain no added urea formaldehyde. Carpet selections will be made from those on the Green Label Plus program. Hard floors will be selected from those certified to meet the FloorScore standard or other environmental testing standard. Entry/Vestibules will be planned to incorporate a walk-off flooring system to control environmental contamination.

NEW WORK

The floor, wall and ceiling finishes will be smooth and easy to maintain. Casework will be plastic laminate with solid surface tops. Corner guards will be stainless steel. Red accent paint will be "Under Armor Red".

Interior End Zone Club Suites

Carpet tile with rubber base will be planned for the general flooring with luxury vinyl tile or porcelain floor tile at food and beverage serving areas. Walls will be planned to be painted gypsum board with wall graphic at large wall expanses. Ceilings will be finished with acoustical ceiling tile and painted gypsum board.

Toilet Rooms will be planned with porcelain tile at floors and fixture walls, and wainscot at the remainder of the walls with painted gypsum board above. Ceilings will be planned with acoustical ceiling tile. Stainless steel will be planned for toilet partitions.

West Side Press Box

7th Level

Booth Rooms will be planned with carpet tile, rubber base, painted gypsum board walls and acoustical ceiling tile. Circulation areas will be planned with rubber tile or broadcast quartz flooring, rubber base, painted walls, and exposed structure ceilings.

Toilet Rooms will be planned with porcelain tile at floors and fixture walls, and painted gypsum board at the remainder of the walls. Ceilings will be planned with acoustical ceiling tile. Solid plastic will be planned for toilet partitions.

8th Level

Carpet tile with rubber base will be planned for the general flooring with luxury vinyl tile or porcelain floor tile at food and beverage serving areas. Walls will be planned to be painted gypsum board with wall graphics planned at large wall expanses. Ceilings will be finished with acoustical ceiling tile and painted gypsum board.

Toilet Rooms will be planned with porcelain tile at floors and fixture walls, and painted gypsum board at the remainder of the walls. Ceilings will be planned with acoustical ceiling tile. Stainless steel will be planned for toilet partitions.

9th Level

Window sill counter tops will be replaced with solid surface tops.

Basis of Finish Materials Selections

- Carpet Tile – Mohawk, Renegade Collection

NARRATIVES

PLUMBING

PLUMBING OVERVIEW

In general, the work will consist of a renovation of the south end zone field, infrastructure, terrace and concourse area at Camp Randall. The south end of the stadium and the fieldhouse has water heaters located on second level. City water distribution is from the basement of Kellner hall. The sanitary and storm piping flow from the south stadium area to the east thru Kellner Hall. Existing utilities are available for extension to new equipment to serve the renovation. The roof of the second-floor mechanical room will be removed and the area temporarily protected until the new roof structure is established. Existing piping and ductwork will need to be temporary supported from the floor and then reestablished to the new structure. Operation of the existing equipment should not be affected.

SUSTAINABLE INITIATIVES

New water closets shall utilize dual flush valves. New faucets shall incorporate low flow aerators. Water and storm piping will be insulated with glass fiber insulation.

DEMOLITION

The locations of all existing fixtures shall be verified, and removed as necessary. Storm, subsoil drainage and water piping in the playing field to be removed, rerouted and/or temporarily capped.

Sanitary, water, storm piping (catch basins, trench drains) in the south end zone Concourse levels to be rerouted as required for seat demolition, new footings/piling. Stadium to remain operational during construction. Provide temporary piping and additional isolation valves as required for piping shutdowns and to maintain the south end-zone locker rooms.

NEW WORK

All new toilet rooms shall incorporate ADA accessible fixtures as required per code. New toilets will be located for the field and loge club areas. Fixtures and equipment in the four concession stands will need to be removed and replaced as-is.

New water closets shall be vitreous china with dual flush 1.6/1.1 gpf valves. Lavatories will be vitreous china with low flow faucet controls. Sinks to be stainless steel set in a solid surface countertop.

Provide non-freeze sill faucet(s) at several locations, including Toilet rooms and the Terrace for cleaning.

Provide water, drain connections for Owners’ equipment. Backflow prevention to be included for beverage dispensers, ice machines and HVAC equipment.

Existing roof conductors and storm piping will be re-routed as required to coordinate with the new plan. Provide new storm water drainage for the Terrace area. Provide new sanitary/vent and water piping for new Toilet rooms.

New lines will be connected to existing campus mains. Water distribution is from the second-floor mechanical room. Existing plumbing equipment appears adequate to support the proposed remodeling.

Water piping lines shall be type “L” copper piping. Sanitary, vent and storm piping shall be hub-less cast iron with no-hub couplings. Water and storm piping shall be insulated with glass fiber insulation.

All plumbing work to comply with Wisconsin plumbing Code, International Plumbing Code and state or local codes.

New storm drainage will be needed for the field house little street sitework/landscaping project. Existing mains are adequate to support the new run-outs needed.

The west press box upgrade will require the following:
9th level will remain as-is.

On 8th level the toilet rooms and concession areas will have new fixtures. Reuse existing mains.

On 7th level the toilet rooms and concession areas will have new fixtures. Reuse existing mains.

STRUCTURAL

DESIGN VALUES AND ASSUMPTIONS

These values and assumptions are an essential part of making the transition from the Project Intent to installed systems. The table below lists the values and assumptions applicable to this project.

Item	Description of Value or Assumption	Value (units)
1	Risk Category	III
2	Wind criteria	Wind speed – 120 mph Exposure - B Enclosure Classification - Enclosed
3	Seismic criteria	Site Lat/Long – 43.069932°N, 89.412630°W Soil Classification – C (verified) S _s = 0.084g, S ₁ = 0.046g S _{D5} = 0.068g, S _{D1} = 0.052g Seismic design category – A (minimum)
4	Snow Loads	Ground Snow Load – 30 psf Thermal Factor – 1 (Heated Areas) Thermal Factor – 1.2 (Seating Areas) Uniform Flat Roof Snow Load (Heated Areas) – 23.1 psf Uniform Flat Roof Snow Load (Seating Areas) – 27.7 psf Snow Density – 17.9 pcf
5	Minimum design live loads:	Common Areas – 100 psf MEP – 150 psf IT/Storage – 125 psf

NARRATIVE

There are multiple design options associated with reconfiguring the south endzone seating area of Camp Randall. Each that could be completed as a standalone project or in some combination with another option. Square footages, seat count and other parameters associated with each option are defined elsewhere. This narrative is a composite narrative intended to address each and all of the options but not apply to each and every option.

Existing Building

The original building’s stripe and spread footing foundation system was founded on a native sand strata having an allowable bearing capacity of 7,500 pounds per square foot (psf). Simplistically the existing south endzone area can be looked at as comprised of a north, middle and south section. The north section currently is a sloping slab-on-grade tread/rise system with a frost wall along the north edge and a retaining wall along the south edge where it transitions to the middle section.

At the middle section at the base of the retaining wall there is a horizontal slab-on-grade for the concourse/concessions area with precast concrete raker beams overhead supporting a precast concrete tread/riser system that is an extension of the slab-on-grade tread/riser of the north section. To the south of the middle section is the south section that is a multi-level building with the lowest level being 1-story lower than the concourse/concession slab-on-grade of the middle section. Along the common line between the middle and south section there is a 1-story concrete foundation wall at the lowest level with a vertical precast column/wall line above basically separating these 2 sections much like the retaining wall separated the north and middle sections.

The south section has elevated horizontal levels at the ground level (that aligns with the middle section slab-on-grade), mechanical level and third level concourse areas each framed using horizontal precast plank some with topping slab and

some without. Over the third level concourse the precast rakers and tread/riser systems continue their upward slope to the southernmost limits of the area. The lowest level of the south section is also a conventional slab-on-grade but is interior and horizontal.

Option 1B Design

Entails removal of the north section to facilitate the construction of a lower level to be constructed up to the backside of the existing retaining wall separating the north and middle sections. Underpinning of the existing retaining wall footing will be necessary. The new elevated tread/riser area over this new area would be accomplished utilizing precast concrete tread/riser sections supported likely by steel beams due to limited height availability.

Option 1D Design

Would require complete removal of the north and middle existing sections including the retaining wall to accommodate a much wider new lower level than in Option 1B. The backside of the new lower level would stop just before the column/wall line common between the middle and south sections so as not to impact the existing foundation provisions. Framing at the concourse/concession level over the concourse area would be done utilizing precast plank on steel raker beam framing whose south end would be tied into the existing precast framing system that is part of the south section.

Option 2A & 3 Design

Requires the removal of the existing sloping precast raker beams and precast tread/riser sections over the south section and replacing it with a new mainly horizontal deck section with significant cantilevers at the northern limit of the south section that is suspended over seating of the middle section below. To mitigate vibrational/serviceability issues associated with these cantilevers and what is anticipated to be a lively occupancy on this deck, preliminary design efforts have established that a 6" thick formed and poured concrete slab supported by a series of sub steel beams tying into major steel girders spanning north south tapered at the cantilever would suffice.

Vibrationally a sporting event as well as a dance and dine event were investigated for the outdoor deck. For both sporting and dance and dine reviews we used what they call the $f_{step} = 2.7\text{Hz}$ which is a comfortable but not overly conservative value and for both events we looked at the first two harmonics as recommended by industry standards. Under the sporting event the peak accelerations were determined to be 5% Gravity which is acceptable for such an event. Under what is called Dance & Dine event, vibrations were determined to be 3.4% Gravity. This is higher than the 2.5% Gravity goal that we set meaning some patrons under a dance and design event may feel uncomfortable. Final configuration, length of cantilevers may bring the peak acceleration below this limit and is something that will need to be evaluated during actual design and if a dance and design event should even be a design requirement.

Other Structural Descriptions

Initial review indicates that existing foundations that will remain as part of each of these options will continue to be adequate for the loads that they will receive either as intended or through other rationale structural engineering analysis. All this means is that other than some underpinning, existing foundations should require no remedial efforts to obtain an enhanced capacity.

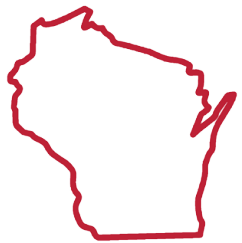
Under Option 2A & 3, lateral resistance to the upper deck will be accomplished utilizing frame action between the new steel beams and girders and the steel columns that they bear on as an extension of the existing precast columns below. The natural truss profile that the raker configuration causes is a natural to address other lateral loading requirements as long as anchored to properly design foundations.





SECTION / 05

COST ESTIMATES



ESTIMATES



October 24, 2017

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RE: UW-Athletics Master Planning 2017 Update

The following are several high level estimates for the potential projects covered in the Master Planning for the University of Wisconsin Department of Intercollegiate Athletics. They include:

- Camp Randall Field Level Club Option 1B
- Camp Randall Field Level Club Option 1D
- Camp Randall Terrace Club Option 2A
 - » Includes North Façade repairs to the Field House
- Camp Randall Terrace Club Option 3 Additional Seating
 - » This is an addition to Option 2A and not Stand Alone
- Field House East, West, & South Façade Repairs & South Plaza Construction
- West Side Press Box Renovation on 6th, 7th and 8th levels
- Camp Randall Field Level Storm Piping, Utilities, & New Turf

All of these budgets are priced as stand alone projects. Several of them are related to each other in several ways mostly through structural, turf replacement, mechanical/electrical/plumbing, and construction access. For example, if Option 1B or 1D is constructed, turf will need to be removed to access the work. Then, if Option 2A is constructed a few years later that same turf would need to be removed and replaced. Another example is if Option 1D is constructed; the precast over the ground level concourse will need to be removed and replaced. Then, if Option 2A is constructed a few years later that same precast would need to be removed and replaced again for different reasons.

If some projects are combined, potential savings could be realized, through less General Conditions, elimination of redundant work, efficiency, combination of mechanical/electrical systems and potentially others.

Please let me know if there are any questions.

Sincerely,

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MADISON

MILWAUKEE

ESTIMATES

OPTION OVERVIEW

Field Club Option 1B

Cost of Construction		\$	6,967,107	
Design Fee	8.0%	\$	557,369	
FFE	5.0%	\$	348,355	
DFDM Fee	4.0%	\$	278,684	
Contingency	15.0%	\$	1,222,727	Inflation
Grand Total		\$	9,374,242	2017
		\$	9,725,777	2018
		\$	10,090,493	2019
		\$	10,468,887	2020
		\$	10,861,470	2021

Field Club Option 1D

Cost of Construction		\$	13,771,102	
Design Fee	8.0%	\$	1,101,688	
FFE	5.0%	\$	688,555	
DFDM Fee	4.0%	\$	550,844	
Contingency	15.0%	\$	2,416,828	Inflation
Grand Total		\$	18,529,018	2017
		\$	19,223,856	2018
		\$	19,944,751	2019
		\$	20,692,679	2020
		\$	21,468,654	2021

Terrace Club Option 2A

Cost of Construction		\$	20,159,500	
Cost of Construction-FH		\$	596,750	
Design Fee	8.0%	\$	1,612,760	
FFE	5.0%	\$	1,007,975	
DFDM Fee	4.0%	\$	806,380	
Contingency	15.0%	\$	3,627,505	Inflation
Grand Total		\$	27,810,870	2017
		\$	28,853,777	2018
		\$	29,935,794	2019
		\$	31,058,386	2020
		\$	32,223,076	2021

Terrace Club Option 3 (Add Cost to Option 2A)

Cost of Construction		\$	1,233,731	
Design Fee	8.0%	\$	98,698	
FFE	5.0%	\$	61,687	
DFDM Fee	4.0%	\$	49,349	
Contingency	15.0%	\$	216,520	Inflation
Grand Total		\$	1,659,985	2017
		\$	1,722,235	2018
		\$	1,786,818	2019
		\$	1,853,824	2020
		\$	1,923,342	2021

OPTION OVERVIEW

Field House East, West, South Facade & South Plaza

Cost of Construction		\$	3,256,184	
Design Fee	8.0%	\$	260,495	
FFE	2.0%	\$	65,124	
DFDM Fee	4.0%	\$	130,247	
Contingency	15.0%	\$	556,807	Inflation
Grand Total		\$	4,268,857	2017
		\$	4,428,939	2018
		\$	4,595,025	2019
		\$	4,767,338	2020
		\$	4,946,113	2021

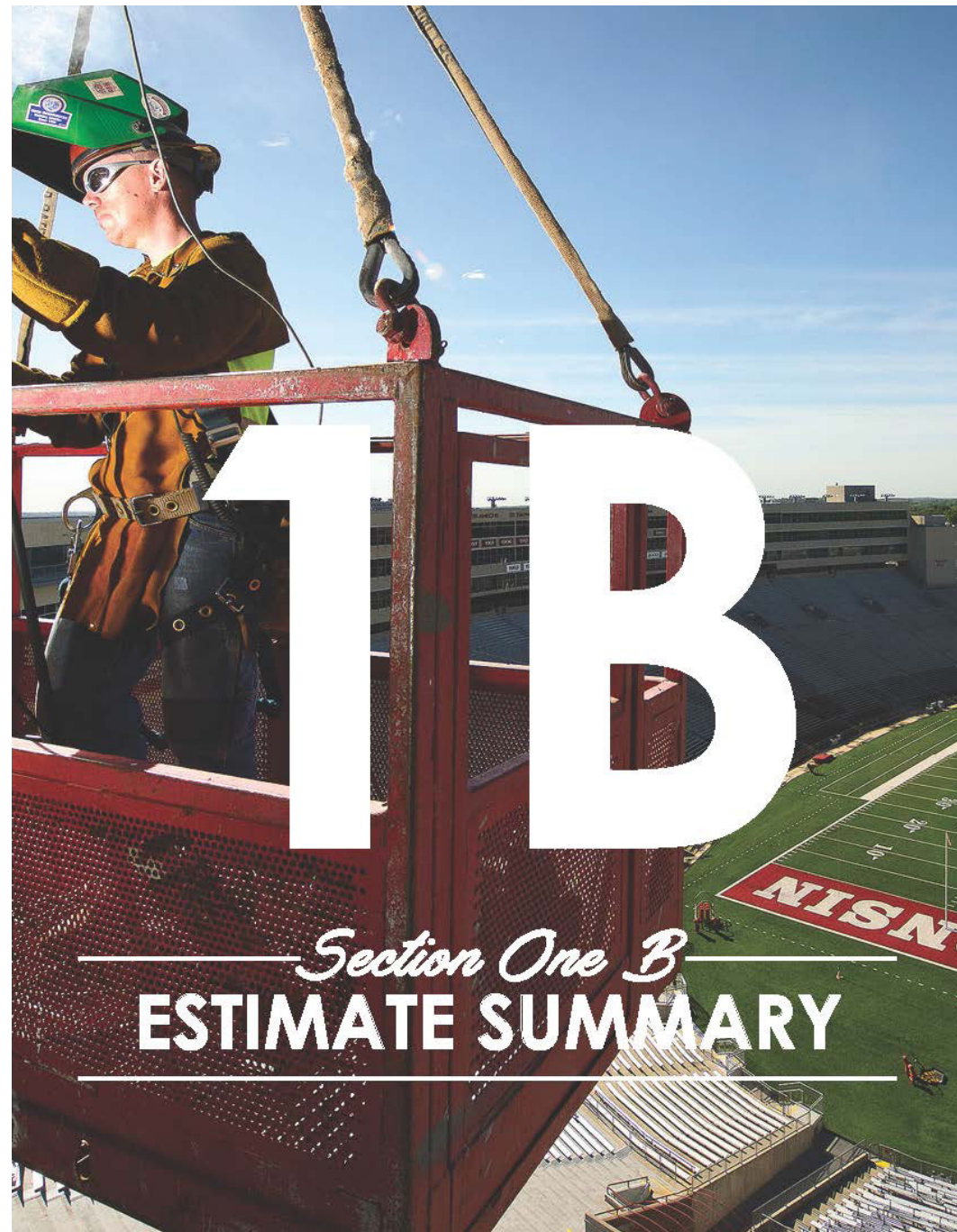
West Side Press Box Renovation 6th, 7th & 8th

Cost of Construction		\$	3,458,516	
Design Fee	8.0%	\$	276,681	
FFE	2.0%	\$	69,170	
DFDM Fee	4.0%	\$	138,341	
Contingency	15.0%	\$	591,406	Inflation
Grand Total		\$	4,534,114	2017
		\$	4,704,144	2018
		\$	4,880,549	2019
		\$	5,063,570	2020
		\$	5,253,454	2021

Camp Randall Field Level Storm Piping, Utilities, & New Turf

Cost of Construction		\$	2,504,480	
Design Fee	8.0%	\$	200,358	
FFE	2.0%	\$	50,090	
DFDM Fee	4.0%	\$	100,179	
Contingency	15.0%	\$	428,266	Inflation
Grand Total		\$	3,283,373	2017
		\$	3,406,500	2018
		\$	3,534,244	2019
		\$	3,666,778	2020
		\$	3,804,282	2021

ESTIMATES



OPTION 1B

Camp Randall South End Zone 4,000 SQFT FIELD CLUB

SCOPE

- Budget is based on BSA/HOK concept block diagram of space in Camp Randall South End Zone Metrics document dated September 2017 and attached in Exhibit A
- Budget is based on work taking place from 11/23/19 to 8/1/20.
- Option includes a 4,000 sqft field level club with (196) club seats, (56) field loge tables, and (684) general admission seats.
- Option does not require removal of any of the existing precast structure.
- Club level finishes are based on similar type spaces in Camp Randall.
- Horizontal membrane waterproofing systems have been included above any club or finished space, and traffic coating of treads/risers is included.
- A graphics allowance of \$100,000 has been included for this option.
- Budget provided is based on doing this portion stand alone.
- No work is included at the existing Fieldhouse.

ESTIMATES

Cost Management Detail



J.P. CULLEN & SONS INC.
PO BOX 1957
JANE SVILLE, WI 53547
Phone: (608) 754-6601 Fax: (608) 754-9171

Sort Sequences: Estimate File: 17 0656 South End Zone Budget Opt 1B est - Camp Randall South End Zone Budget
1. Major Item Code Oct 2017 (Option 1B - 4,000 sqft Club), Estimator:
2. Minor Item Code Primary Project Qty: 0 SQFT
3. Not Used Secondary Project Qty: 0
4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit	\$	Total \$
Major Item Code 0100.000 GENERAL REQUIREMENTS				
Minor Item Code 0100.000 SUMMARY OF WORK				
36 WK 8.3 MO SCHEDULE 11/23/19 TO 8/1/20				
Total Minor Item Code 0100.000 SUMMARY OF WORK				
Minor Item Code 0103.000 JOB PERSONNEL				
SUPERINTENDENT (FT + 3 WKS)	39.00	WEEK	4,839.56	188,743
PROJECT MANAGER - 2 (FT + 3 WKS)	39.00	WEEK	3,960.00	154,440
SITE ENGINEER - 2 (FT + 3 WKS)	39.00	WEEK	3,200.49	124,819
SITE ENGINEER - 2 (FT + 3 WKS)	39.00	WEEK	3,200.49	124,819
PROJECT ASSISTANT (FT)	36.00	WEEK	2,000.00	72,000
YARD LABOR (.5-1.5% LABOR)	1.00	LS	27,154.00	27,154
Total Minor Item Code 0103.000 JOB PERSONNEL			\$691,975	
Minor Item Code 0106.000 REGULATORY REQUIREMENTS				
BUILDING PERMIT **NOT REG'D - DFD**	1.00	LS		
DNR 10-DAY DEMO PERMIT	1.00	LS	200.00	200
Total Minor Item Code 0106.000 REGULATORY REQUIREMENTS				\$200
Minor Item Code 0107.000 MISC GENERAL REQUIREMENTS				
FINAL CLEANING	12,000.00	SQFT	0.22	2,640
FINAL WASH WINDOWS	1.00	LS	908.24	908
DUMPSTERS (.75WK)	27.00	UNIT	525.00	14,175
GAS & OIL **PICK-UP TRUCKS**	8.00	MO	1,266.00	10,128
CHEMICAL TOILET (3)	24.00	MO	89.68	2,152
LAYOUT **INITIAL JOBSITE**	1.00	WEEK	2,428.47	2,428
TRAVEL OFFICE	38.00	WEEK	52.75	2,005
PRINT COST JOB	1.00	LS	3,165.00	3,165
SURVEY COST	1.00	LS	5,275.00	5,275
WATER PUMPING	1.00	LS		
Total Minor Item Code 0107.000 MISC GENERAL REQUIREMENTS			\$42,876	
Minor Item Code 0140.000 QUALITY CONTROL				
CONSTRUCTION TESTING	1.00	LS	31,650.00	31,650
Total Minor Item Code 0140.000 QUALITY CONTROL				\$31,650
Minor Item Code 0149.000 WEATHER PROTECTION				
20 MEN X 40 HR X 4.00HR	1.00	---		
FUEL TEMP OFFICES	8.00	MO	158.25	1,266
FUEL & EQUIP TEMP SYSTEM	1.00	LS	20,000.00	20,000
Total Minor Item Code 0149.000 WEATHER PROTECTION			\$21,266	
Minor Item Code 0150.000 TEMPORARY UTILITIES				

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1. Major Item Code Oct 2017 (Option 1B - 4,000 sqft Club), Estimator:
2. Minor Item Code Primary Project Qty: 0 SQFT
3. Not Used Secondary Project Qty: 0
4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit	\$	Total \$
TEMP ELECTRIC WIRING	1.00	LS	4,220.00	4,220
TEMP ELECTRIC POWER **USE OWNERS**	1.00	MO		
TEMP TELEPHONE (5)	8.00	MO	659.38	5,275
TEMP TELEPHONE INSTALL	1.00	LS	527.50	528
TEMP WATER	8.00	MO	211.00	1,688
Total Minor Item Code 0150.000 TEMPORARY UTILITIES				\$11,711
Minor Item Code 0151.000 JOB EQUIPMENT				
EQUIPMENT REPAIR	1.00	LS	19,301.60	19,302
EQUIPMENT TRANSPORTATION	12.00	TRIP	543.92	6,527
Total Minor Item Code 0151.000 JOB EQUIPMENT				\$25,829
Minor Item Code 0152.000 CONSTRUCTION AIDS				
BOBCAT	8.00	MO	2,637.50	21,100
LULL	8.00	MO	4,220.00	33,760
JPC 100 TON CRANE	8.00	MO	16,880.00	135,040
100 TON CRANE EQUIP TRANS	10.00	TRIP	756.95	7,569
ERECT/DISMANTLE 100 TON CRANE	2.00	EACH	2,560.37	5,121
Total Minor Item Code 0152.000 CONSTRUCTION AIDS				\$202,590
Minor Item Code 0153.000 BARRIERS				
TEMPORARY JOB FENCE	800.00	LNFT	5.05	4,040
TEMPORARY BARRICADES	800.00	LNFT	5.66	4,524
Total Minor Item Code 0153.000 BARRIERS				\$8,565
Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES				
JOB SIGN	1.00	LS	889.41	889
JOB OFFICE TRAILER (2)	16.00	MO	260.08	4,161
JOB TOOL TRAILER	8.00	MO	205.77	1,646
Total Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES				\$6,697
Minor Item Code 0159.000 JOBSITE OFFICE SUPPLIES				
COPY & OFFICE SUPPLIES	8.00	MO	2,110.00	16,880
FAX MACHINE	8.00	MO	52.75	422
JOBSITE COMPUTER	8.00	MO	263.75	2,110
Total Minor Item Code 0159.000 JOBSITE OFFICE SUPPLIES				\$19,412
Minor Item Code 0169.000 INSURANCE				
BLDRS RISK INSURANCE .09/100	1.00	C	0.09	0
Total Minor Item Code 0169.000 INSURANCE				\$0
Minor Item Code 0189.000 MISC FEES & OVERHEAD				
ARCHITECT/ENGINEERS FEES	1.00	LS		
Total Minor Item Code 0189.000 MISC FEES & OVERHEAD				
Total Major Item Code 0100.000 GENERAL REQUIREMENTS			UNIT	\$1,062,771
Minor Item Code 0190.000 MISC OVERHEAD				
OT/SHIFT PREMIUM (3.5% OF CONST COSTS)	6,900,000.00	\$DOL	0.04	241,500
CONTRACTOR'S BOND	1.00	LS	40,891.00	40,891
PAYROLL TAXES & INSURANCE	1.00	LS		

ESTIMATES

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 1B.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 1B - 4,000 sqft Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit	\$	Total \$
Total Minor Item Code 0190.000 MISC OVERHEAD				
				\$282,391
Total Major Item Code 0190.000 MISC OVERHEAD				
			UNIT	\$282,391
Major Item Code 0198.000 PROJECT MARKUP				
Minor Item Code 0198.000 PROJECT MARKUP				
O.H. & P.	1.00	LS		
Total Minor Item Code 0198.000 PROJECT MARKUP				
			UNIT	
Total Major Item Code 0198.000 PROJECT MARKUP				
Major Item Code 0220.000 EXCAV, GRADING & BACKFILL				
Minor Item Code 0220.000 SITE GRADING				
EROSION CONTROL	1.00	LS	2,000.00	2,000
BASEMENT EXCAVATE - HAUL OFF SITE	5,100.00	CUYD	17.97	91,644
BACKFILL BASEMENT W/ PURCHASE MATL	2,326.00	CUYD	29.99	69,760
Total Minor Item Code 0220.000 SITE GRADING				
				\$163,404
Minor Item Code 0222.000 EXCAVATION & BACKFILL				
EXCAVATION EQUIPMENT	163,404.00	\$DOL	0.05	8,170
EXCAVATION O.H.	163,404.00	\$DOL	0.10	16,340
Total Minor Item Code 0222.000 EXCAVATION & BACKFILL				
				\$24,511
Total Major Item Code 0220.000 EXCAV, GRADING & BACKFILL				
				\$187,914
Major Item Code 0240.000 SHORING & BRACING				
Minor Item Code 0240.000 SHORING & BRACING				
EARTH RETENTION (170'BACK + 50' EA SIDE AT 8' DEEP)	2,160.00	SQFT	55.00	118,800
Total Minor Item Code 0240.000 SHORING & BRACING				
				\$118,800
Total Major Item Code 0240.000 SHORING & BRACING				
				\$118,800
Major Item Code 0260.000 ROADS & WALKS				
Minor Item Code 0260.000 ASPHALT PAVING				
REPAIR RAMP	5,000.00	SQFT	20.00	100,000
Total Minor Item Code 0260.000 ASPHALT PAVING				
				\$100,000
Total Major Item Code 0260.000 ROADS & WALKS				
				\$100,000
Major Item Code 0280.000 LAWNS & PLANTING				
Minor Item Code 0280.000 LAWNS & PLANTINGS				
FIELD TURF REMOVAL (200' X 230')	46,000.00	SQFT	3.67	168,639
FIELD TURF INSTALL	46,000.00	SQFT	5.00	230,000
Total Minor Item Code 0280.000 LAWNS & PLANTINGS				
				\$398,639
Total Major Item Code 0280.000 LAWNS & PLANTING				
				\$398,639
Major Item Code 0300.000 CONCRETE FINISHING				
Minor Item Code 0300.000 CONCRETE FINISH				

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 1B.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 1B - 4,000 sqft Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit	\$	Total \$
ERECT PRECAST PLANK	57.00	EACH	166.36	9,482
PRECAST PLANK MATERIAL	3,570.00	SQFT	13.72	48,963
GROUT PRECAST PLANK	3,570.00	SQFT	0.73	2,615
ERECT PRECAST TREAD/RISER	64.00	EACH	415.90	26,617
PRECAST TREAD/RISER MATERIAL (TREAD AREA ONLY)	6,178.00	SQFT	79.13	488,834
ERECT PRECAST WALL PANELS	50.00	EACH	519.87	25,993
PRECAST WALL PANEL MATERIAL	1,680.00	SQFT	47.48	79,758
ERECT PRECAST BASE STAIR UNIT	10.00	EACH	693.16	6,932
PRECAST BASE STAIR UNIT MATERIAL	10.00	EACH	7,500.00	75,000
CAULK AT PRECAST	1.00	LS	25,000.00	25,000
EQUIPMENT TRANSPORTATION - PRECAST	14.00	TRIP	543.92	7,615
MANLIFTS @PRECAST ERECTION	5.00	MO	3,692.50	18,463
250 TON CRANE PRECAST (2 MO = 346 HRS)	346.00	HRS	500.00	173,000
250 TON IN/OUT	2.00	EACH	3,000.00	6,000
PRECAST EQUIPMENT	1,296,230.00	\$DOL	0.05	64,812
PRECAST O.H.	1,296,230.00	\$DOL	0.10	129,623
Total Minor Item Code 0340.000 PRECAST CONCRETE				
				\$1,490,664
Total Major Item Code 0340.000 PRECAST CONCRETE				
				\$1,490,664
Major Item Code 0400.000 MASONRY				
Minor Item Code 0400.000 MASONRY				
MASONRY DIVISION MANAGER **2% MASONRY LABOR**	5,600.00	\$DOL	0.03	147
MASONRY AT CLUB	4,000.00	SOFT	4.00	16,000
MASONRY EQUIPMENT	16,112.00	\$DOL	0.05	806
MASONRY O.H.	16,112.00	\$DOL	0.10	1,611
Total Minor Item Code 0400.000 MASONRY				
				\$18,564
Total Major Item Code 0400.000 MASONRY				
				\$18,564
Major Item Code 0480.000 DEMO				
Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION				
REMOVE BLEACHERS -PERMANENT	3,400.00	LNFT	6.53	22,194
Total Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION				
				\$22,194
Minor Item Code 0489.000 DEMOLITION PROTECTION				
TEMP PROTECTION	1.00	LS	36,860.00	36,860
DEMO PROTECTION EQUIPMENT	36,860.00	\$DOL	0.05	1,843
DEMO PROTECTION OH	36,860.00	\$DOL	0.10	3,686
Total Minor Item Code 0489.000 DEMOLITION PROTECTION				
				\$42,389
Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION				
REMOVE CONCRETE FOUNDATIONS	4,200.00	SQFT	15.57	65,408
REMOVE CONCRETE FOOTINGS	2,800.00	SOFT	15.57	43,606
REMOVE TREADS/RISERS SOG	11,475.00	SQFT	9.20	105,626
SAWCUT CONCRETE WALL TO REMAIN	108.00	LNFT	35.68	3,853
SAWCUT CONCRETE WALL FOR DEMO	1,010.00	LNFT	23.74	23,980
SAWCUT TREAD/RISERS FOR DEMO	7,500.00	LNFT	5.75	43,131
EQUIPMENT TRANSPORTATION - DEMO	14.00	TRIP	543.92	7,615
EXTERIOR BLDG DEMO EQUIPMENT	315,413.00	\$DOL	0.05	15,771
EXTERIOR BLDG DEMO OH	315,413.00	\$DOL	0.10	31,541

ESTIMATES

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 1B.e.st - Camp Randall South End Zone Budge
 1. Major Item Code Oct 2017 (Option 1B - 4,000 sqft Club),
 2. Minor Item Code Estimator.
 3. Not Used Primary Project Qty:0 SQFT
 4. Not Used Secondary Project Qty: 0
 Estimate UM: Imperial

Report includes Taxes & Insurance.

11:03:27AM 10/19/2017

Description	Quantity	Unit \$	Total \$
ERECT PRECAST PLANK	57.00 EACH	166.36	9,482
PRECAST PLANK MATERIAL	3,570.00 SOFT	13.72	48,963
GROUT PRECAST PLANK	3,570.00 SOFT	0.73	2,615
ERECT PRECAST TREAD/RISER	64.00 EACH	415.90	26,617
PRECAST TREAD/RISER MATERIAL (TREAD AREA ONLY)	6,178.00 SOFT	79.13	488,834
ERECT PRECAST WALL PANELS	50.00 EACH	519.87	25,993
PRECAST WALL PANEL MATERIAL	1,680.00 SOFT	47.48	79,758
ERECT PRECAST BASE STAIR UNIT	10.00 EACH	693.16	6,932
PRECAST BASE STAIR UNIT MATERIAL	10.00 EACH	7,500.00	75,000
CAULK AT PRECAST	1.00 LS	25,000.00	25,000
EQUIPMENT TRANSPORTATION - PRECAST	14.00 TRIP	543.92	7,615
MANLIFTS @PRECAST ERECTION	5.00 MO	3,692.50	18,463
250 TON CRANE PRECAST (2 MO = 346 HRS)	346.00 HRS	500.00	173,000
250 TON IN/OUT	2.00 EACH	3,000.00	6,000
PRECAST EQUIPMENT	1,296,230.00 \$DOL	0.05	64,812
PRECAST O.H.	1,296,230.00 \$DOL	0.10	129,623
Total Minor Item Code 0340.000 PRECAST CONCRETE			\$1,490,664
Total Major Item Code 0340.000 PRECAST CONCRETE			\$1,490,664
Major Item Code 0400.000 MASONRY			
Minor Item Code 0400.000 MASONRY			
MASONRY DIVISION MANAGER **2% MASONRY LABOR**	5,600.00 \$DOL	0.03	147
MASONRY AT CLUB	4,000.00 SOFT	4.00	16,000
MASONRY EQUIPMENT	16,112.00 \$DOL	0.05	806
MASONRY O.H.	16,112.00 \$DOL	0.10	1,611
Total Minor Item Code 0400.000 MASONRY			\$18,564
Total Major Item Code 0400.000 MASONRY			\$18,564
Major Item Code 0480.000 DEMO			
Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			
REMOVE BLEACHERS - PERMANENT	3,400.00 LNFT	6.53	22,194
Total Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			\$22,194
Minor Item Code 0489.000 DEMOLITION PROTECTION			
TEMP PROTECTION	1.00 LS	36,860.00	36,860
DEMO PROTECTION EQUIPMENT	36,860.00 \$DOL	0.05	1,843
DEMO PROTECTION OH	36,860.00 \$DOL	0.10	3,686
Total Minor Item Code 0489.000 DEMOLITION PROTECTION			\$42,389
Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION			
REMOVE CONCRETE FOUNDATIONS	4,200.00 SQFT	15.57	65,408
REMOVE CONCRETE FOOTINGS	2,800.00 SQFT	15.57	43,606
REMOVE TREADS/RISERS SOG	11,475.00 SQFT	9.20	105,626
SAWCUT CONCRETE WALL TO REMAIN	108.00 LNFT	35.68	3,853
SAWCUT CONCRETE WALL FOR DEMO	1,010.00 LNFT	23.74	23,980
SAWCUT TREAD/RISERS FOR DEMO	7,500.00 LNFT	5.75	43,131
EQUIPMENT TRANSPORTATION - DEMO	14.00 TRIP	543.92	7,615
EXTERIOR BLDG DEMO EQUIPMENT	315,413.00 \$DOL	0.05	15,771
EXTERIOR BLDG DEMO OH	315,413.00 \$DOL	0.10	31,541

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 1B.e.st - Camp Randall South End Zone Budge
 1. Major Item Code Oct 2017 (Option 1B - 4,000 sqft Club),
 2. Minor Item Code Estimator.
 3. Not Used Primary Project Qty:0 SQFT
 4. Not Used Secondary Project Qty: 0
 Estimate UM: Imperial

Report includes Taxes & Insurance.

11:03:27AM 10/19/2017

Description	Quantity	Unit \$	Total \$
Total Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION			\$340,530
Total Major Item Code 0480.000 DEMO			\$405,114
Major Item Code 0500.000 STRUCTURAL METALS			
Minor Item Code 0500.000 STEEL GENERAL CONDITIONS			
STEEL AT CLUB	4,000.00 SQFT	1.70	6,800
Total Minor Item Code 0500.000 STEEL GENERAL CONDITIONS			\$6,800
Total Major Item Code 0500.000 STRUCTURAL METALS			\$6,800
Major Item Code 0550.000 MISC.IRON - IRONWORKER			
Minor Item Code 0550.000 MISC IRON - IRONWORKER			
3-LINE RAIL AT PRECAST STAIRS	150.00 LNFT	125.00	18,750
DEMISING WALL/RAIL @ FIELD LEVEL	170.00 LNFT	200.00	34,000
DEMISING WALL/RAIL @ FRONT CLUB SEATS	104.00 LNFT	300.00	31,200
DEMISING WALL/RAIL @ BACK OF CLUB SEATS	104.00 LNFT	300.00	31,200
DEMISING WALL/RAIL AT WALKWAY FIELD SIDE	156.00 LNFT	400.00	62,400
DEMISING WALL/RAIL AT FRONT UPPER GA SEATS	170.00 LNFT	200.00	34,000
MISC IRON/STEEL EQUIPMENT	218,350.00 \$DOL	0.05	10,918
MISC IRON/STEEL O.H.	218,350.00 \$DOL	0.10	21,835
Total Minor Item Code 0550.000 MISC IRON - IRONWORKER			\$244,303
Total Major Item Code 0550.000 MISC.IRON - IRONWORKER			\$244,303
Major Item Code 0640.000 CUSTOM WOODWORK			
Minor Item Code 0640.000 CUSTOM WOODWORK			
CARPENTRY (INCL DIV 10 & DOORS) AT CLUB	4,000.00 SQFT	17.55	70,200
CARPENTRY EQUIPMENT	70,200.00 \$DOL	0.03	2,106
CARPENTRY O.H.	70,200.00 \$DOL	0.10	7,020
Total Minor Item Code 0640.000 CUSTOM WOODWORK			\$79,326
Total Major Item Code 0640.000 CUSTOM WOODWORK			\$79,326
Major Item Code 0700.000 WATERPROOF & DAMPPROOF			
Minor Item Code 0700.000 WATERPROOF & DAMPPROOF			
HORIZONTAL WATERPROOFING	4,000.00 SOFT	15.00	60,000
SPRAY INSULATION	5,000.00 SQFT	7.00	35,000
Total Minor Item Code 0700.000 WATERPROOF & DAMPPROOF			\$95,000
Total Major Item Code 0700.000 WATERPROOF & DAMPPROOF			\$95,000
Major Item Code 0790.000 CAULKING & SEALANTS			
Minor Item Code 0790.000 CAULKING & SEALANTS			
CAULK AT CLUB	4,000.00 SQFT	0.25	1,000
Total Minor Item Code 0790.000 CAULKING & SEALANTS			\$1,000
Total Major Item Code 0790.000 CAULKING & SEALANTS			\$1,000
Major Item Code 0830.000 SPECIAL DOORS			
Minor Item Code 0830.000 SPECIAL DOORS			

ESTIMATES

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 1B.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 1B - 4,000 sqft Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit	\$	Total \$
SPECIAL DOORS AT CLUB	4,000.00	SQFT	0.22	880
Total Minor Item Code 0830.000 SPECIAL DOORS				\$880
Total Major Item Code 0830.000 SPECIAL DOORS				\$880
Major Item Code 0870.000 HARDWARE				
Minor Item Code 0870.000 HARDWARE				
CAMPUS LOCKS & DEVICES	1.00	LS	70,000.00	70,000
Total Minor Item Code 0870.000 HARDWARE				\$70,000
Total Major Item Code 0870.000 HARDWARE				\$70,000
Major Item Code 0880.000 GLASS & GLAZING				
Minor Item Code 0880.000 GLAZING				
GLASS AT CLUB	4,000.00	SQFT	11.44	45,760
Total Minor Item Code 0880.000 GLAZING				\$45,760
Total Major Item Code 0880.000 GLASS & GLAZING				\$45,760
Major Item Code 0925.000 GYPSUM DRYWALL				
Minor Item Code 0925.000 GYPSUM DRYWALL				
DRYWALL AT CLUB	4,000.00	SQFT	10.39	41,560
Total Minor Item Code 0925.000 GYPSUM DRYWALL				\$41,560
Total Major Item Code 0925.000 GYPSUM DRYWALL				\$41,560
Major Item Code 0930.000 TILE & TERRAZZO				
Minor Item Code 0930.000 CERAMIC TILE				
CERAMIC AT CLUB	4,000.00	SQFT	4.00	16,000
Total Minor Item Code 0930.000 CERAMIC TILE				\$16,000
Total Major Item Code 0930.000 TILE & TERRAZZO				\$16,000
Major Item Code 0950.000 ACOUSTICAL TREATMENT				
Minor Item Code 0950.000 ACOUSTICAL TREATMENT				
ACOUSTIC AT CLUB	4,000.00	SQFT	4.00	16,000
Total Minor Item Code 0950.000 ACOUSTICAL TREATMENT				\$16,000
Total Major Item Code 0950.000 ACOUSTICAL TREATMENT				\$16,000
Major Item Code 0955.000 FLOORING				
Minor Item Code 0955.000 WOOD FLOORING				
FLOORING AT CLUB	4,000.00	SQFT	10.00	40,000
Total Minor Item Code 0955.000 WOOD FLOORING				\$40,000
Total Major Item Code 0955.000 FLOORING				\$40,000
Major Item Code 0980.000 SPECIAL FINISHES				
Minor Item Code 0980.000 SPECIAL FINISHES				
TRAFFIC COATING	16,500.00	SQFT	12.00	198,000
Total Minor Item Code 0980.000 SPECIAL FINISHES				\$198,000

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 1B.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 1B - 4,000 sqft Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit	\$	Total \$
Total Major Item Code 0980.000 SPECIAL FINISHES				\$198,000
Major Item Code 0990.000 PAINTING & WALL COVERING				
Minor Item Code 0990.000 PAINTING				
PAINT AT CLUB	4,000.00	SQFT	2.30	9,200
Total Minor Item Code 0990.000 PAINTING				\$9,200
Total Major Item Code 0990.000 PAINTING & WALL COVERING				\$9,200
Major Item Code 1000.000 SPECIALTIES				
Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES				
GRAPHICS	1.00	LS	100,000.00	100,000
WAYFINDING SIGNAGE	1.00	LS	25,000.00	25,000
Total Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES				\$125,000
Total Major Item Code 1000.000 SPECIALTIES				\$125,000
Major Item Code 1100.000 EQUIPMENT				
Minor Item Code 1113.000 AUDIO-VISUAL EQUIPMENT				
AV AT CLUB	4,000.00	SQFT	32.00	128,000
Total Minor Item Code 1113.000 AUDIO-VISUAL EQUIPMENT				\$128,000
Minor Item Code 1140.000 FOOD SERVICE EQUIPMENT				
FOOD SERVICE AT CLUB	4,000.00	SQFT	9.80	38,400
Total Minor Item Code 1140.000 FOOD SERVICE EQUIPMENT				\$38,400
Total Major Item Code 1100.000 EQUIPMENT				\$166,400
Major Item Code 1200.000 FURNISHINGS				
Minor Item Code 1270.000 MULTIPLE SEATING				
CLUB SEATS	196.00	EACH	350.00	68,600
FIELD LOGE TABLE SEATS	56.00	EACH	200.00	11,200
LOWER GENERAL ADMISSION (GA) SEATS	276.00	EACH	50.00	13,800
UPPER GENERAL ADMISSION (GA) SEATS	408.00	EACH	50.00	20,400
ADA STALLS	32.00	EACH	200.00	6,400
Total Minor Item Code 1270.000 MULTIPLE SEATING				\$120,400
Total Major Item Code 1200.000 FURNISHINGS				\$120,400
Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP				
Minor Item Code 1500.000 PIPE & FITTINGS				
PLUMBING AT CLUB	4,000.00	SQFT	12.00	48,000
PLUMBING NOT AT CLUB	9,600.00	SQFT	6.00	57,600
Total Minor Item Code 1500.000 PIPE & FITTINGS				\$105,600
Total Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP				\$105,600
Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP				
Minor Item Code 1550.000 PIPE, FITTINGS & VALVES				
FIRE PROTECTION AT CLUB	4,000.00	SQFT	3.39	13,560
FIRE PROTECTION NOT AT CLUB	9,600.00	SQFT	4.00	38,400
Total Minor Item Code 1550.000 PIPE, FITTINGS & VALVES				\$51,960

ESTIMATES

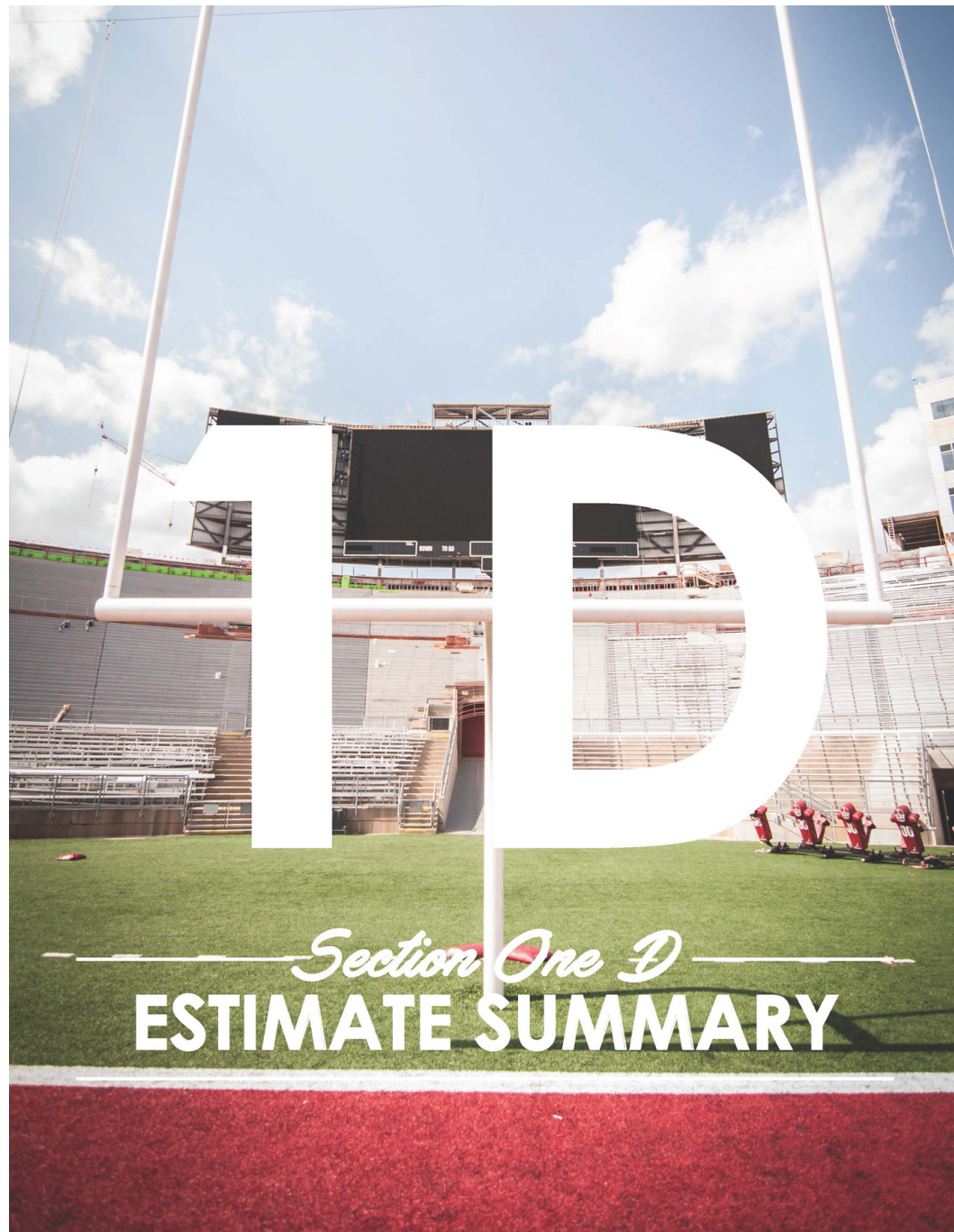
Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 1B.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 1B - 4,000 sqft Club),
 2. Minor Item Code Estimator:
 3. Not Used Primary Project Qty:0 SQFT
 4. Not Used Secondary Project Qty: 0
 Estimate UM: Imperial

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Description	Quantity	Unit \$	Total \$
Total Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP			\$51,960
Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT			
Minor Item Code 1560.000 PIPE & FITTINGS			
HVAC AT CLUB	4,000.00	SQFT	30.00 120,000
HVAC NOT AT CLUB	9,600.00	SQFT	20.00 192,000
Total Minor Item Code 1560.000 PIPE & FITTINGS			\$312,000
Total Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT			\$312,000
Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT			
Minor Item Code 1600.000 HIGH VOLTAGE CONDUCTORS			
ELECTRICAL AT CLUB	4,000.00	SQFT	35.00 140,000
ELECTRICAL NOT AT CLUB	9,600.00	SQFT	20.00 192,000
Total Minor Item Code 1600.000 HIGH VOLTAGE CONDUCTORS			\$332,000
Total Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT			\$332,000
ESTIMATE TOTALS			\$6,967,107

ESTIMATES



OPTION 1D

Camp Randall South End Zone 11,000 SQFT FIELD CLUB

SCOPE

- Budget is based on BSA/HOK concept block diagram of space in Camp Randall South End Zone Metrics document dated September 2017 and attached in Exhibit A.
- Budget is based on work taking place from 11/23/19 to 8/1/20.
- Option includes an 11,000 sqft field level club with (416) club seats, (56) field loge tables, and (1370) general admission seats.
- Option includes removal of existing on grade treads/risers along with removal of precast raker beams and precast tread/risers pieces from 0.9 line north to back of first level concourse concession stand. This also requires temporary bracing of existing structure from 0.9 south to 2.5 line.
- New precast raker beams and precast stair/tread precast pieces will be provided from 0.9 line north to back of first level concourse concession stands.
- This option requires removal and re-building in place the first level concourse concession stands.
- Club level finishes are based on similar type spaces in Camp Randall.
- Horizontal membrane waterproofing systems have been included above any club or finished space, and traffic coating of treads/risers is included.
- A graphics allowance of \$200,000 has been included for this option.
- Budget provided is based on doing this portion stand alone.
- No work is included at the existing Fieldhouse.

ESTIMATES

Cost Management Detail



J.P. CULLEN & SONS INC.
PO BOX 1957
JANE SVILLE, WI 53547
Phone: (608) 754-6601 Fax: (608) 754-9171

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1. Major Item Code Oct 2017 (Option 1D - 11,000 sqft Club),
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4. Not Used Secondary Project Qty: 0
Estimate UM: Imperial

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Description	Quantity	Unit	Total \$
Major Item Code 0100.000 GENERAL REQUIREMENTS			
Minor Item Code 0100.000 SUMMARY OF WORK			
36WK 8.3 MON SCHEDULE 11/23/19 TO 8/1/20			
Total Minor Item Code 0100.000 SUMMARY OF WORK			
Minor Item Code 0103.000 JOB PERSONNEL			
SUPERINTENDENT (FT + 3 WKS)	39.00 WEEK		188,743
ASST. SUPERINTENDENT (FT + 3 WKS)	39.00 WEEK		188,760
PROJECT MANAGER - 2 (FT + 3 WKS)	39.00 WEEK		154,440
SITE ENGINEER - 2 (FT + 3 WKS)	39.00 WEEK		124,836
SITE ENGINEER - 2 (FT + 3 WKS)	39.00 WEEK		124,836
PROJECT ASSISTANT (FT)	36.00 WEEK		72,016
YARD LABOR (5-1.5% LABOR)	1.00 LS		40,731
Total Minor Item Code 0103.000 JOB PERSONNEL			\$894,363
Minor Item Code 0106.000 REGULATORY REQUIREMENTS			
BUILDING PERMIT **NOT REQ'D - DFD**	1.00 LS		
DNR 10-DAY DEMO PERMIT	1.00 LS	200.00	200
Total Minor Item Code 0106.000 REGULATORY REQUIREMENTS			\$200
Minor Item Code 0107.000 MISC GENERAL REQUIREMENTS			
FINAL CLEANING	19,000.00 SQFT	0.22	4,180
FINAL WASH WINDOWS	1.00 LS	908.24	908
DUMPSTERS (.75WK)	30.00 UNIT	525.00	15,750
GAS & OIL **PICK-UP TRUCKS**	9.00 MO	1,266.00	11,394
CHEMICAL TOILET (6)	54.00 MO	89.68	4,842
LAYOUT *INITIAL JOBSITE**	2.00 WEEK	2,428.47	4,857
TRAVEL OFFICE	42.00 WEEK	52.75	2,216
PRINT COST JOB	1.00 LS	3,165.00	3,165
SURVEY COST	1.00 LS	5,275.00	5,275
WATER PUMPING	1.00 LS		
Total Minor Item Code 0107.000 MISC GENERAL REQUIREMENTS			\$52,587
Minor Item Code 0140.000 QUALITY CONTROL			
CONSTRUCTION TESTING	1.00 LS	42,200.00	42,200
Total Minor Item Code 0140.000 QUALITY CONTROL			\$42,200
Minor Item Code 0149.000 WEATHER PROTECTION			
20 MEN X 40 HR X 4.00HR	1.00 ---		
FUEL TEMP OFFICES	8.00 MO	158.25	1,266
FUEL & EQUIP TEMP SYSTEM	1.00 LS	39,530.00	39,530
Total Minor Item Code 0149.000 WEATHER PROTECTION			\$40,796

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Estimate UM: Imperial

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Description	Quantity	Unit	Total \$
Minor Item Code 0150.000 TEMPORARY UTILITIES			
TEMP ELECTRIC WIRING	1.00 LS		4,220.00
TEMP ELECTRIC POWER **USE OWNERS**	1.00 MO		
TEMP TELEPHONE (5)	9.00 MO	659.38	5,934
TEMP TELEPHONE INSTALL	1.00 LS	527.50	528
TEMP WATER	9.00 MO	211.00	1,899
Total Minor Item Code 0150.000 TEMPORARY UTILITIES			\$12,581
Minor Item Code 0151.000 JOB EQUIPMENT			
EQUIPMENT REPAIR	1.00 LS	28,952.40	28,952
EQUIPMENT TRANSPORTATION	12.00 TRIP	543.92	6,527
Total Minor Item Code 0151.000 JOB EQUIPMENT			\$35,479
Minor Item Code 0152.000 CONSTRUCTION AIDS			
BOBCAT	9.00 MO	2,637.50	23,738
LULL	9.00 MO	4,220.00	37,980
JPC 100 TON CRANE	9.00 MO	16,880.00	151,920
100 TON CRANE EQUIP TRANS	10.00 TRIP	756.95	7,569
ERECT/DISMANTLE 100 TON CRANE	2.00 EACH	2,560.37	5,121
Total Minor Item Code 0152.000 CONSTRUCTION AIDS			\$226,328
Minor Item Code 0153.000 BARRIERS			
TEMPORARY JOB FENCE	800.00 LNFT	5.05	4,040
TEMPORARY BARRICADES	800.00 LNFT	5.68	4,524
Total Minor Item Code 0153.000 BARRIERS			\$8,565
Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES			
JOB SIGN	1.00 LS	889.41	889
JOB OFFICE TRAILER (2)	18.00 MO	260.08	4,681
JOB TOOL TRAILER (2)	18.00 MO	205.77	3,704
Total Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES			\$9,275
Minor Item Code 0159.000 JOBSITE OFFICE SUPPLIES			
COPY & OFFICE SUPPLIES	9.00 MO	2,110.00	18,990
FAX MACHINE	9.00 MO	52.75	475
JOBSITE COMPUTER	9.00 MO	263.75	2,374
Total Minor Item Code 0159.000 JOBSITE OFFICE SUPPLIES			\$21,839
Minor Item Code 0169.000 INSURANCE			
BLDRS RISK INSURANCE .09/100	1.00 C	0.09	0
Total Minor Item Code 0169.000 INSURANCE			\$0
Minor Item Code 0189.000 MISC FEES & OVERHEAD			
ARCHITECT/ENGINEERS FEES	1.00 LS		
Total Minor Item Code 0189.000 MISC FEES & OVERHEAD			
Total Major Item Code 0100.000 GENERAL REQUIREMENTS			\$1,344,212
Minor Item Code 0190.000 MISC OVERHEAD			
Minor Item Code 0190.000 MISC OVERHEAD			
OT/SHIFT PREMIUM (3.5% CONST COSTS)	3,700,000.00 \$DOL	0.04	479,500
CONTRACTOR'S BOND	1.00 LS	75,230.00	75,230
PAYROLL TAXES & INSURANCE	1.00 LS		

ESTIMATES

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 1. Major Item Code Oct 2017 (Option 1D- 11,000 sqft Club),
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 3. Not Used Primary Project Qty:0 SQFT
 4. Not Used Secondary Project Qty: 0
 Estimate UM: Imperial

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Description	Quantity	Unit	\$	Total \$
Total Minor Item Code 0190.000 MISC OVERHEAD				
				\$554,730
Total Major Item Code 0190.000 MISC OVERHEAD				
			UNIT	\$554,730
Major Item Code 0198.000 PROJECT MARKUP				
Minor Item Code 0198.000 PROJECT MARKUP				
O.H. & P.	1.00	LS		
Total Minor Item Code 0198.000 PROJECT MARKUP				
			UNIT	
Total Major Item Code 0198.000 PROJECT MARKUP				
Major Item Code 0220.000 EXCAV, GRADING & BACKFILL				
Minor Item Code 0220.000 SITE GRADING				
EROSION CONTROL	1.00	LS	2,000.00	2,000
BASEMENT EXCAVATE - HAUL OFF SITE	7,980.00	CUYD	17.97	143,395
BACKFILL BASEMENT W/ PURCHASE MATL	4,652.00	CUYD	29.99	139,520
Total Minor Item Code 0220.000 SITE GRADING				
				\$284,916
Minor Item Code 0222.000 EXCAVATION & BACKFILL				
EXCAVATION EQUIPMENT	284,916.00	\$DOL	0.05	14,246
EXCAVATION O.H.	284,916.00	\$DOL	0.10	28,492
Total Minor Item Code 0222.000 EXCAVATION & BACKFILL				
				\$42,737
Total Major Item Code 0220.000 EXCAV, GRADING & BACKFILL				
				\$327,653
Major Item Code 0240.000 SHORING & BRACING				
Minor Item Code 0240.000 SHORING & BRACING				
MICROPILES AT 0.9 LINE	40.00	EACH	9,000.00	360,000
LOWER LEVEL ACCESS FOR MICROPILES	1.00	EACH	300,000.00	300,000
EARTH RETENTION (+10'BACK + 50' EA SIDE AT 2' DEEPER	1,640.00	SQFT	55.00	90,200
EARTH RETENTION (170'BACK + 50' EA SIDE AT 8' DEEP)	2,160.00	SQFT	55.00	118,800
Total Minor Item Code 0240.000 SHORING & BRACING				
				\$869,000
Total Major Item Code 0240.000 SHORING & BRACING				
				\$869,000
Major Item Code 0260.000 ROADS & WALKS				
Minor Item Code 0260.000 ASPHALT PAVING				
REPAIR RAMP	5,000.00	SQFT	20.00	100,000
Total Minor Item Code 0260.000 ASPHALT PAVING				
				\$100,000
Total Major Item Code 0260.000 ROADS & WALKS				
				\$100,000
Major Item Code 0280.000 LAWNS & PLANTINGS				
Minor Item Code 0280.000 LAWNS & PLANTINGS				
FIELD TURF REMOVAL (230' x 200')	46,000.00	SQFT	3.67	168,639
FIELD TURF INSTALL	46,000.00	SQFT	5.00	230,000
Total Minor Item Code 0280.000 LAWNS & PLANTINGS				
				\$398,639

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 1. Major Item Code Oct 2017 (Option 1D- 11,000 sqft Club),
 2. Minor Item Code Estimator:
 3. Not Used Primary Project Qty:0 SQFT
 4. Not Used Secondary Project Qty: 0
 Estimate UM: Imperial

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Description	Quantity	Unit	\$	Total \$
Total Major Item Code 0280.000 LAWNS & PLANTING				
				\$398,639
Major Item Code 0300.000 CONCRETE FINISHING				
Minor Item Code 0300.000 CONCRETE FINISH				
CONCRETE AT CLUB	11,000.00	SQFT	3.00	33,000
Total Minor Item Code 0300.000 CONCRETE FINISH				
				\$33,000
Total Major Item Code 0300.000 CONCRETE FINISHING				
				\$33,000
Major Item Code 0310.000 FORM WORK				
Minor Item Code 0310.000 FORM WORK				
CONCRETE FORMWORK EQUIPMENT	133,000.00	\$DOL	0.05	6,650
CONCRETE FORMWORK O.H.	133,000.00	\$DOL	0.10	13,300
Total Minor Item Code 0310.000 FORM WORK				
				\$19,950
Minor Item Code 0319.000 MISC FORM WORK				
CONCRETE FROSTWALLS <6' TALL	1,600.00	SQFT	21.94	35,104
CONCRETE FOUNDATION WALL 12' TALL	1,248.00	SQFT	28.21	35,206
CONCRETE RETAINING WALL 16' TALL	4,880.00	SQFT	34.30	167,384
PIERS & PILASTERS AT WALLS	376.00	CUYD	500.00	188,000
COLUMN PAD FOOTINGS (8' X 8' = 64 SQFT EACH)	57.00	EACH	2,022.00	115,254
CONTINUOUS FOOTING	419.00	LNFT	60.96	25,542
RETAINING WALL FOOTING	4,880.00	SQFT	31.60	154,208
SLAB ON GRADE 5"	18,580.00	SQFT	6.03	112,037
TOPPING SLAB AT PRECAST PLANK 4"	11,850.00	SQFT	3.71	43,964
HEAT & WINTER 11/15**4/15 (1 WINTER)	17.00	WKS	4,825.40	82,032
HEATED CONCRETE	1,500.00	CUYD	5.28	7,913
EQUIPMENT TRANSPORTATION - CONCRETE	6.00	TRIP	543.92	3,264
CONCRETE GROUP GENERAL SUPT **3% OF CONCRETE LABOR**	339,395.00	\$DOL	0.04	13,824
Total Minor Item Code 0319.000 MISC FORM WORK				
				\$983,731
Total Major Item Code 0310.000 FORMWORK				
			SQFT	\$1,003,681
Major Item Code 0320.000 REINFORCING STEEL				
Minor Item Code 0321.000 RE-BARS				
CONCRETE REBAR, ERECTION, HOISTING IN CONC UNIT PRICE	1.00	LS		
Total Minor Item Code 0321.000 RE-BARS				
Total Major Item Code 0320.000 REINFORCING STEEL				
Major Item Code 0330.000 CAST-IN-PLACE CONCRETE				
Minor Item Code 0330.000 CAST-IN-PLACE CONCRETE				
CONCRETE EQUIPMENT	980,496.00	\$DOL	0.05	49,025
CONCRETE OH	980,496.00	\$DOL	0.10	98,050
Total Minor Item Code 0330.000 CAST-IN-PLACE CONCRETE				
				\$147,074
Total Major Item Code 0330.000 CAST-IN-PLACE CONCRETE				
				\$147,074
Major Item Code 0340.000 PRECAST CONCRETE				
Minor Item Code 0340.000 PRECAST CONCRETE				

ESTIMATES

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 1. Major Item Code Oct 2017 (Option 1D- 11,000 sqft Club),
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 Estimate UM: Imperial

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Description	Quantity	Unit \$	Total \$
ERECT PRECAST COLUMNS	15.00 EACH	519.87	7,798
PRECAST COLUMN MATERIAL (12 @12')	144.00 LNFT	237.38	34,182
PRECAST COLUMN MATERIAL (3 @12')	36.00 LNFT	237.38	8,546
ERECT PRECAST BEAMS	47.00 EACH	519.87	24,434
PRECAST BEAM MATERIAL	892.00 LNFT	211.00	188,212
ERECT PRECAST RAKERS	56.00 EACH	693.16	38,817
PRECAST RAKER MATERIAL	1,222.00 LNFT	369.25	451,224
ERECT PRECAST PLANK	177.00 EACH	166.36	29,445
PRECAST PLANK MATERIAL	11,850.00 SQFT	13.72	162,523
GROUT PRECAST PLANK	11,850.00 SQFT	0.73	8,679
ERECT PRECAST TREAD/RISER	141.00 EACH	415.90	58,641
PRECAST TREAD/RISER MATERIAL (TREAD AREA ONLY)	13,776.00 SQFT	79.13	1,090,184
ERECT PRECAST WALL PANELS	50.00 EACH	519.87	25,993
PRECAST WALL PANEL MATERIAL	1,680.00 SQFT	47.48	79,758
ERECT PRECAST BASE STAIR UNIT	10.00 EACH	693.16	6,932
PRECAST BASE STAIR UNIT MATERIAL	10.00 EACH	7,500.00	75,000
CAULK AT PRECAST	1.00 LS	15,000.00	15,000
CAULK AT PRECAST	1.00 LS	25,000.00	25,000
EQUIPMENT TRANSPORTATION - PRECAST	16.00 TRIP	543.92	8,703
MANLIFTS @PRECAST ERECTION	10.00 MO	3,692.50	36,925
250 TON CRANE PRECAST (4 MO = 692 HRS, 50/50 DEMO/PRECAST)	346.00 HRS	500.00	173,000
250 TON IN/OUT	2.00 EACH	3,000.00	6,000
TEMPORARILY BRACE EXISTING STRUCTURE	20.00 EACH	5,000.00	100,000
PRECAST EQUIPMENT	2,554,996.00 \$DOL	0.03	76,650
PRECAST O.H.	2,554,996.00 \$DOL	0.10	255,500
Total Minor Item Code 0340.000 PRECAST CONCRETE			\$2,987,145
Total Major Item Code 0340.000 PRECAST CONCRETE			\$2,987,145
Major Item Code 0400.000 MASONRY			
Minor Item Code 0400.000 MASONRY			
MASONRY DIVISION MANAGER **2% MASONRY LABOR**	77,250.00 \$DOL	0.03	2,032
MASONRY AT CLUB	11,000.00 SQFT	4.00	44,000
MASONRY AT CONCESSIONS	1,400.00 SQFT	23.75	33,250
MASONRY EQUIPMENT	78,795.00 \$DOL	0.05	3,940
MASONRY O.H.	78,795.00 \$DOL	0.10	7,880
Total Minor Item Code 0400.000 MASONRY			\$91,102
Total Major Item Code 0400.000 MASONRY			\$91,102
Major Item Code 0480.000 DEMO			
Minor Item Code 0480.000 INTERIOR WALL DEMOLITION			
REMOVE MASONRY PART.	1,660.00 SQFT	6.43	10,672
MISC REMOVALS AT CONCESSIONS	1.00 LS	12,051.99	12,052
Total Minor Item Code 0480.000 INTERIOR WALL DEMOLITION			\$22,724
Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			
REMOVE BLEACHERS -PERMANENT	7,864.00 LNFT	6.53	51,334
Total Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			\$51,334
Minor Item Code 0489.000 DEMOLITION PROTECTION			

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Description	Quantity	Unit \$	Total \$
TEMP PROTECTION	1.00 LS	48,712.50	48,713
DEMO PROTECTION EQUIPMENT	48,713.00 \$DOL	0.03	1,461
DEMO PROTECTION OH	48,713.00 \$DOL	0.10	4,871
Total Minor Item Code 0489.000 DEMOLITION PROTECTION			\$55,045
Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION			
REMOVE CONCRETE FOUNDATIONS	7,104.00 SQFT	15.57	110,634
REMOVE CONCRETE FOOTINGS	6,314.00 SQFT	15.57	98,331
REMOVE SOG	6,480.00 SQFT	9.20	59,647
REMOVE TREADS/RISERS SOG	11,475.00 SQFT	9.20	105,626
SAWCUT CONCRETE WALL TO REMAIN	108.00 LNFT	35.68	3,853
SAWCUT CONCRETE WALL FOR DEMO	1,834.00 LNFT	23.74	43,544
SAWCUT SOG FOR DEMO	4,536.00 LNFT	5.75	26,086
SAWCUT TREAD/RISERS FOR DEMO	7,500.00 LNFT	5.75	43,131
REMOVE PRECAST TREAD/RISERS	77.00 EACH	1,470.90	113,259
REMOVE RAKER BEAMS	12.00 EACH	2,803.16	33,638
250 TON CRANE DEMO (4 MO = 692 HRS, 50/50 DEMO/PRECAST)	346.00 HRS	500.00	173,000
EQUIPMENT TRANSPORTATION - DEMOLITION	16.00 TRIP	543.92	8,703
EXTERIOR BLDG DEMO EQUIPMENT	893,509.00 \$DOL	0.05	44,675
EXTERIOR BLDG DEMO OH	893,509.00 \$DOL	0.10	89,351
Total Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION			\$953,477
Total Major Item Code 0480.000 DEMO			\$1,082,580
Major Item Code 0500.000 STRUCTURAL METALS			
Minor Item Code 0500.000 STEEL GENERAL CONDITIONS			
STEEL AT CLUB	11,000.00 SQFT	1.70	18,700
STEEL AT CONCESSIONS	1,400.00 SQFT	1.70	2,380
Total Minor Item Code 0500.000 STEEL GENERAL CONDITIONS			\$21,080
Total Major Item Code 0500.000 STRUCTURAL METALS			\$21,080
Major Item Code 0550.000 MISC.IRON - IRONWORKER			
Minor Item Code 0550.000 MISC IRON - IRONWORKER			
3-LINE RAIL AT PRECAST STAIRS	150.00 LNFT	125.00	18,750
DEMISING WALL/RAIL @ FIELD LEVEL	170.00 LNFT	200.00	34,000
DEMISING WALL/RAIL @ FRONT CLUB SEATS	104.00 LNFT	300.00	31,200
DEMISING WALL/RAIL @ BACK OF CLUB SEATS	104.00 LNFT	300.00	31,200
DEMISING WALL/RAIL AT WALKWAY FIELD SIDE	156.00 LNFT	400.00	62,400
DEMISING WALL/RAIL AT FRONT UPPER GA SEATS	170.00 LNFT	200.00	34,000
MISC IRON/STEEL EQUIPMENT	232,630.00 \$DOL	0.05	11,632
MISC IRON/STEEL O.H.	232,630.00 \$DOL	0.10	23,263
Total Minor Item Code 0550.000 MISC IRON - IRONWORKER			\$246,445
Total Major Item Code 0550.000 MISC.IRON - IRONWORKER			\$246,445
Major Item Code 0640.000 CUSTOM WOODWORK			
Minor Item Code 0640.000 CUSTOM WOODWORK			
CARPENTRY (INCL DIV 10 & DOORS) AT CLUB	11,000.00 SQFT	17.55	193,050
CARPENTRY (INCL DIV 10 & DOORS) AT CONCESSIONS	1,400.00 SQFT	17.55	24,570
CARPENTRY EQUIPMENT	217,620.00 \$DOL	0.03	6,529
CARPENTRY O.H.	217,620.00 \$DOL	0.10	21,762

ESTIMATES

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 1D.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 1D- 11,000 sqft Club),
 2. Minor Item Code Estimator:
 3. Not Used Primary Project Qty: 0 SQFT
 4. Not Used Secondary Project Qty: 0
 Estimate UM: Imperial

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Description	Quantity	Unit	\$	Total \$
Total Minor Item Code 0640.000 CUSTOM WOODWORK				
				\$245,911
Total Major Item Code 0640.000 CUSTOM WOODWORK				
				\$245,911
Major Item Code 0700.000 WATERPROOF & DAMPPROOF				
Minor Item Code 0700.000 WATERPROOF & DAMPPROOF				
HORIZONTAL WATERPROOFING	11,000.00	SQFT	15.00	165,000
SPRAY INSULATION	15,500.00	SQFT	7.00	108,500
Total Minor Item Code 0700.000 WATERPROOF & DAMPPROOF				\$273,500
Total Major Item Code 0700.000 WATERPROOF & DAMPPROOF				
				\$273,500
Major Item Code 0790.000 CAULKING & SEALANTS				
Minor Item Code 0790.000 CAULKING & SEALANTS				
CAULK AT CLUB	11,000.00	SQFT	0.25	2,750
CAULK AT CONCESSIONS	1,400.00	SQFT	0.25	350
Total Minor Item Code 0790.000 CAULKING & SEALANTS				\$3,100
Total Major Item Code 0790.000 CAULKING & SEALANTS				
				\$3,100
Major Item Code 0830.000 SPECIAL DOORS				
Minor Item Code 0830.000 SPECIAL DOORS				
SPECIAL DOORS AT CLUB	11,000.00	SQFT	0.22	2,420
SPECIAL DOORS AT CONCESSIONS	1,400.00	SQFT	17.50	24,500
Total Minor Item Code 0830.000 SPECIAL DOORS				\$26,920
Total Major Item Code 0830.000 SPECIAL DOORS				
				\$26,920
Major Item Code 0870.000 HARDWARE				
Minor Item Code 0870.000 HARDWARE				
CAMPUS LOCKS & DEVICES	1.00	LS	135,000.00	135,000
Total Minor Item Code 0870.000 HARDWARE				\$135,000
Total Major Item Code 0870.000 HARDWARE				
				\$135,000
Major Item Code 0880.000 GLASS & GLAZING				
Minor Item Code 0880.000 GLAZING				
GLASS AT CLUB	11,000.00	SQFT	11.44	125,840
Total Minor Item Code 0880.000 GLAZING				\$125,840
Total Major Item Code 0880.000 GLASS & GLAZING				
				\$125,840
Major Item Code 0925.000 GYPSUM DRYWALL				
Minor Item Code 0925.000 GYPSUM DRYWALL				
DRYWALL AT CLUB	11,000.00	SQFT	10.39	114,290
DRYWALL AT CONCESSIONS	1,400.00	SQFT	10.39	14,546
Total Minor Item Code 0925.000 GYPSUM DRYWALL				\$128,836
Total Major Item Code 0925.000 GYPSUM DRYWALL				
				\$128,836
Major Item Code 0930.000 TILE & TERRAZZO				

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 1D.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 1D- 11,000 sqft Club),
 2. Minor Item Code Estimator:
 3. Not Used Primary Project Qty: 0 SQFT
 4. Not Used Secondary Project Qty: 0
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Description	Quantity	Unit	\$	Total \$
Minor Item Code 0930.000 CERAMIC TILE				
CERAMIC AT CLUB	11,000.00	SQFT	4.00	44,000
Total Minor Item Code 0930.000 CERAMIC TILE				\$44,000
Total Major Item Code 0930.000 TILE & TERRAZZO				
				\$44,000
Major Item Code 0950.000 ACOUSTICAL TREATMENT				
Minor Item Code 0950.000 ACOUSTICAL TREATMENT				
ACOUSTIC AT CLUB	11,000.00	SQFT	4.00	44,000
ACOUSTIC AT CONCESSIONS	1,400.00	SQFT	4.00	5,600
Total Minor Item Code 0950.000 ACOUSTICAL TREATMENT				\$49,600
Total Major Item Code 0950.000 ACOUSTICAL TREATMENT				
				\$49,600
Major Item Code 0955.000 FLOORING				
Minor Item Code 0955.000 WOOD FLOORING				
FLOORING AT CLUB	11,000.00	SQFT	10.00	110,000
FLOORING AT CONCESSIONS	1,400.00	SQFT	10.00	14,000
Total Minor Item Code 0955.000 WOOD FLOORING				\$124,000
Total Major Item Code 0955.000 FLOORING				
				\$124,000
Major Item Code 0980.000 SPECIAL FINISHES				
Minor Item Code 0980.000 SPECIAL FINISHES				
WATERPROOFING/TRAFFIC COATING	28,380.00	SQFT	12.00	340,560
Total Minor Item Code 0980.000 SPECIAL FINISHES				\$340,560
Total Major Item Code 0980.000 SPECIAL FINISHES				
				\$340,560
Major Item Code 0990.000 PAINTING & WALL COVERING				
Minor Item Code 0990.000 PAINTING				
PAINT AT CLUB	11,000.00	SQFT	2.30	25,300
PAINT AT CONCESSIONS	1,400.00	SQFT	2.30	3,220
Total Minor Item Code 0990.000 PAINTING				\$28,520
Total Major Item Code 0990.000 PAINTING & WALL COVERING				
				\$28,520
Major Item Code 1000.000 SPECIALTIES				
Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES				
GRAPHICS	1.00	LS	200,000.00	200,000
WAYFINDING SIGNAGE	1.00	LS	50,000.00	50,000
Total Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES				\$250,000
Total Major Item Code 1000.000 SPECIALTIES				
				\$250,000
Major Item Code 1100.000 EQUIPMENT				
Minor Item Code 1113.000 AUDIO-VISUAL EQUIPMENT				
AV AT CLUB	11,000.00	SQFT	32.00	352,000
Total Minor Item Code 1113.000 AUDIO-VISUAL EQUIPMENT				\$352,000
Minor Item Code 1140.000 FOOD SERVICE EQUIPMENT				
FOOD SERVICE AT CLUB	11,000.00	SQFT	9.60	105,600

ESTIMATES

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 3. Not Used Primary Project Qty:0 SQFT
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Description	Quantity	Unit	\$	Total \$
FOOD SERVICE AT CONCESSION	1,400.00	SQFT	9.60	13,440
Total Minor Item Code 1140.000 FOOD SERVICE EQUIPMENT				\$119,040
Total Major Item Code 1100.000 EQUIPMENT				\$471,040
Major Item Code 1200.000 FURNISHINGS				
Minor Item Code 1270.000 MULTIPLE SEATING				
CLUB SEATS	196.00	EACH	350.00	68,600
CLUB SEATS (416 TOTAL - 196)	220.00	EACH	350.00	77,000
FILED LOGE TABLE SEATS	56.00	EACH	200.00	11,200
LOWER GENERAL ADMISSION (GA) SEATS	276.00	EACH	50.00	13,800
GENERAL ADMISSION (GA) SEATS (1370 TOTAL -406-276)	686.00	EACH	50.00	34,300
UPPER GENERAL ADMISSION (GA) SEATS	408.00	EACH	50.00	20,400
ADA STALLS	32.00	EACH	200.00	6,400
FIELD CLUB STANDING ROOM ONLY	115.00	EACH	200.00	23,000
Total Minor Item Code 1270.000 MULTIPLE SEATING				\$254,700
Total Major Item Code 1200.000 FURNISHINGS				\$254,700
Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP				
Minor Item Code 1500.000 PIPE & FITTINGS				
PLUMBING AT CLUB	11,000.00	SQFT	12.00	132,000
PLUMBING AT CONCESSIONS	1,400.00	SQFT	8.00	11,200
PLUMBING NOT AT CLUB	17,000.00	SQFT	6.00	102,000
PLUMBING UTILITY WORK 1 LEVEL CONCOURSE	5,000.00	SQFT	20.00	100,000
Total Minor Item Code 1500.000 PIPE & FITTINGS				\$345,200
Total Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP				\$345,200
Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP				
Minor Item Code 1550.000 PIPE, FITTINGS & VALVES				
FIRE PROTECTION AT CLUB	11,000.00	SQFT	3.39	37,290
FIRE PROTECTION AT CONCESSIONS	1,400.00	SQFT	3.39	4,746
FIRE PROTECTION NOT AT CLUB	17,000.00	SQFT	4.00	68,000
Total Minor Item Code 1550.000 PIPE, FITTINGS & VALVES				\$110,036
Total Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP				\$110,036
Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT				
Minor Item Code 1560.000 PIPE & FITTINGS				
HVAC AT CLUB	11,000.00	SQFT	30.00	330,000
HVAC AT CONCESSIONS	1,400.00	SQFT	20.00	28,000
HVAC NOT AT CLUB	17,000.00	SQFT	20.00	340,000
Total Minor Item Code 1560.000 PIPE & FITTINGS				\$698,000
Total Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT				\$698,000
Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT				
Minor Item Code 1600.000 HIGH VOLTAGE CONDUCTORS				
ELECTRICAL AT CLUB	11,000.00	SQFT	35.00	385,000
ELECTRICAL AT CONCESSIONS	1,400.00	SQFT	25.00	35,000

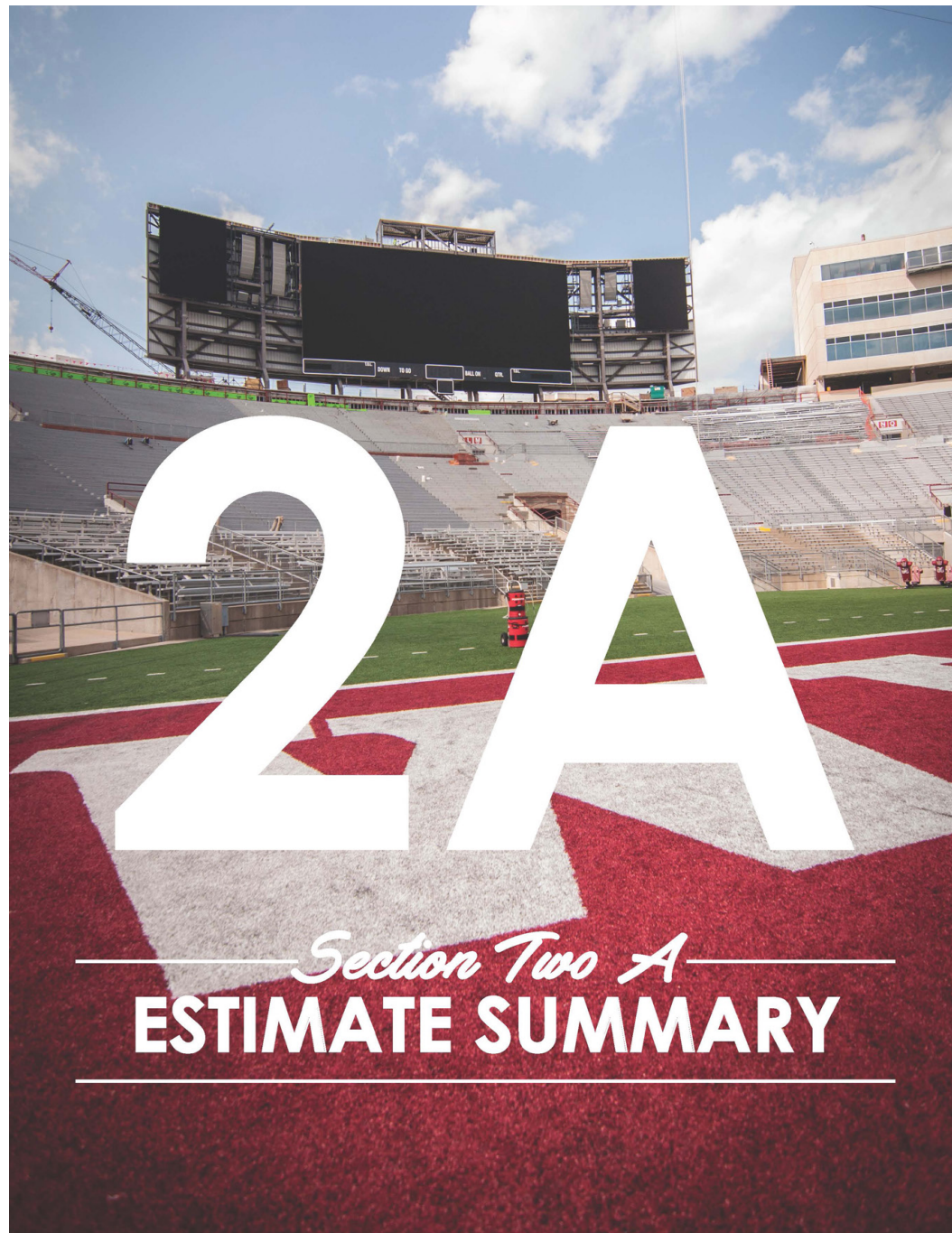
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 1. Major Item Code Oct.2017 (Option 1D- 11,000 sqft.Club),
 2. Minor Item Code Estimator:
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Description	Quantity	Unit	\$	Total \$
ELECTRICAL NOT AT CLUB	17,000.00	SQFT	20.00	340,000
ELECTRICAL UTILITY WORK 1 LEVEL CONCOURSE	5,000.00	SQFT	30.00	150,000
Total Minor Item Code 1600.000 HIGH VOLTAGE CONDUCTORS				\$910,000
Total Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT				\$910,000
ESTIMATE TOTALS				\$13,771,102

ESTIMATES

**OPTION 2A***Camp Randall South End Zone*
PREMIUM & TERRACE CLUBS**SCOPE**

- Budget is based on BSA/HOK concept block diagram of space in Camp Randall South End Zone Metrics document dated September 2017 and attached in Exhibit A.
- Budget is based on work taking place from 11/23/19 to 10/1/20. The field will be restored for Fall football practice on 8/1/20, the seating areas ready for the first game, and the club and finish spaces completed by 10/1/20.
- Option includes a 7,500 sqft premium club at third level concourse, a 7,000 sqft terrace above the club level, 2,700 sqft of restrooms under seating at Site 8, 2,700 sqft of kitchen and support space also at Site 8 under seating, (178) club seats, and (52) loge box seats.
- This option **does not** include any cantilevered seating north of the terrace (above the loge box seats and club seats).
- This option requires removal of all of the existing precast raker beams, precast treads/riser pieces in Site 7. Precast columns along 2.3 line will need to be cut off, and precast columns along 0.9 line and 1.5 line will need to extend upward.
- New structure is to be comprised of precast plank in horizontal applications, precast raker beams, precast columns, precast beams, and precast tread/riser pieces.
- (40) micropiles have been included in this option to reinforce the footing at 0.9 line as may be required to provide more structural capacity to the existing structure.
- This option requires temporary protection of the existing mechanical room from 1.5 line to 0.9 line as it will be exposed to elements while the precast is removed and replaced.
- This option requires complete removal of Site 8 precast structure and replacement of it with new precast structure that includes a kitchen/support area and restroom area under the seating.
- An extension of the existing Site 7/8 elevator is included.
- Club level, restrooms, and kitchen finishes are based on similar type spaces in Camp Randall.
- Horizontal membrane waterproofing systems have been included above any club or finished space, and traffic coating of treads/risers is included.
- A \$600,000 allowance has been included for re-routing of the existing cable tray at 3rd level concourse.
- A graphics allowance of \$400,000 has been included for this option.
- Budget provided is based on doing this portion stand alone.
- Facade restoration of the North Side of the Fieldhouse is included in this option. The remaining facade restoration and plaza site work is included in the Field House East, West, South Facade and South Plaza option.

ESTIMATES

Cost Management Detail



J.P. CULLEN & SONS INC.
 PO BOX 1957
 JANE SVILLE, WI 53547
 Phone: (608) 754-6601 Fax: (608) 754-9171

Sort Sequences: Estimate File: 17 0656 South End Zone Budget Opt 2A.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 2A - Terrace Club),
 2. Minor Item Code Estimator:
 3. Not Used Primary Project Qty: 0 SQFT
 4. Not Used Secondary Project Qty: 0
 Estimate UM: Imperial

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Description	Quantity	Unit \$	Total \$
Major Item Code 0100.000 GENERAL REQUIREMENTS			
Minor Item Code 0100.000 SUMMARY OF WORK			
45/WK 11 MON SCHEDULE 11/23/19 TO 8/1/20=SEATS, *			
10/1/20 = CLUB**			
Total Minor Item Code 0100.000 SUMMARY OF WORK			
Minor Item Code 0103.000 JOB PERSONNEL			
SUPERINTENDENT (FT + 3 WKS)	48.00 WEEK	4,839.56	232,299
ASST. SUPERINTENDENT	48.00 WEEK	4,840.00	232,320
PROJECT MANAGER - 2 (FT + 3 WKS)	48.00 WEEK	3,960.00	190,080
SITE ENGINEER - 2 (FT + 3 WKS)	48.00 WEEK	3,199.99	153,600
SITE ENGINEER - 2 (FT + 3 WKS)	48.00 WEEK	3,199.99	153,600
PROJECT ASSISTANT (FT)	45.00 WEEK	2,000.00	90,000
YARD LABOR (5-1.5% LABOR)	1.00 LS	53,886.00	53,886
Total Minor Item Code 0103.000 JOB PERSONNEL			\$1,105,785
Minor Item Code 0106.000 REGULATORY REQUIREMENTS			
BUILDING PERMIT **NOT REQ'D - DFD**	1.00 LS		
DNR 10-DAY DEMO PERMIT	1.00 LS	200.00	200
Total Minor Item Code 0106.000 REGULATORY REQUIREMENTS			\$200
Minor Item Code 0107.000 MISC GENERAL REQUIREMENTS			
FINAL CLEANING	19,000.00 SQFT	0.22	4,180
FINAL WASH WINDOWS	1.00 LS	908.24	908
DUMPSTERS (.75WK)	34.00 UNIT	525.00	17,850
GAS & OIL **PICK-UP TRUCKS**	11.00 MO	1,266.00	13,926
CHEMICAL TOILET (6)	66.00 MO	89.68	5,919
LAYOUT **INITIAL JOBSITE**	3.00 WEEK	2,428.47	7,285
TRAVEL OFFICE	48.00 WEEK	52.75	2,532
PRINT COST JOB	1.00 LS	8,440.00	8,440
SURVEY COST	1.00 LS	5,275.00	5,275
WATER PUMPING	1.00 LS		
Total Minor Item Code 0107.000 MISC GENERAL REQUIREMENTS			\$66,315
Minor Item Code 0140.000 QUALITY CONTROL			
CONSTRUCTION TESTING	1.00 LS	63,300.00	63,300
Total Minor Item Code 0140.000 QUALITY CONTROL			\$63,300
Minor Item Code 0149.000 WEATHER PROTECTION			
FUEL TEMP OFFICES	11.00 MO	158.25	1,741
FUEL & EQUIP TEMP SYSTEM	1.00 LS	55,355.00	55,355
Total Minor Item Code 0149.000 WEATHER PROTECTION			\$57,096
Minor Item Code 0150.000 TEMPORARY UTILITIES			

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 1. Major Item Code Oct 2017 (Option 2A - Terrace Club),
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 3. Not Used Primary Project Qty: 0 SQFT
 4. Not Used Secondary Project Qty: 0
 Estimate UM: Imperial

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Description	Quantity	Unit \$	Total \$
TEMP ELECTRIC WIRING	1.00 LS	8,440.00	8,440
TEMP ELECTRIC POWER **USE OWNERS**	1.00 MO		
TEMP TELEPHONE (8)	11.00 MO	1,055.00	11,605
TEMP TELEPHONE INSTALL	1.00 LS	1,582.50	1,583
TEMP WATER	11.00 MO	316.50	3,482
Total Minor Item Code 0150.000 TEMPORARY UTILITIES			\$25,109
Minor Item Code 0151.000 JOB EQUIPMENT			
EQUIPMENT REPAIR	1.00 LS	48,254.00	48,254
EQUIPMENT TRANSPORTATION	16.00 TRIP	543.92	8,703
Total Minor Item Code 0151.000 JOB EQUIPMENT			\$56,957
Minor Item Code 0152.000 CONSTRUCTION AIDS			
BOBCAT	11.00 MO	2,637.50	29,013
LULL (2)	11.00 MO	8,440.00	92,840
JPC 100 TON CRANE	9.00 MO	16,880.00	151,920
100 TON CRANE EQUIP TRANS	10.00 TRIP	756.95	7,569
ERECT/DISMANTLE 100 TON CRANE	2.00 EACH	2,560.37	5,121
Total Minor Item Code 0152.000 CONSTRUCTION AIDS			\$286,463
Minor Item Code 0153.000 BARRIERS			
TEMPORARY JOB FENCE	800.00 LNFT	5.05	4,040
TEMPORARY BARRICADES	800.00 LNFT	5.66	4,524
Total Minor Item Code 0153.000 BARRIERS			\$8,565
Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES			
JOB SIGN	1.00 LS	889.41	889
JOB OFFICE TRAILER (3)	33.00 MO	260.08	8,583
JOB TOOL TRAILER (3)	33.00 MO	205.77	6,790
Total Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES			\$16,262
Minor Item Code 0159.000 JOBSITE OFFICE SUPPLIES			
COPY & OFFICE SUPPLIES	11.00 MO	2,110.00	23,210
FAX MACHINE	11.00 MO	52.75	580
JOBSITE COMPUTER	11.00 MO	263.75	2,901
Total Minor Item Code 0159.000 JOBSITE OFFICE SUPPLIES			\$26,692
Minor Item Code 0169.000 INSURANCE			
BLDRS RISK INSURANCE .09/100	1.00 C	0.09	0
Total Minor Item Code 0169.000 INSURANCE			\$0
Minor Item Code 0189.000 MISC FEES & OVERHEAD			
ARCHITECT/ENGINEERS FEES	1.00 LS		
Total Minor Item Code 0189.000 MISC FEES & OVERHEAD			
Total Major Item Code 0100.000 GENERAL REQUIREMENTS			\$1,712,742
Minor Item Code 0190.000 MISC OVERHEAD			
OT/SHIFT PREMIUM (3.5% OF CONST COST)	0,000,000.00 SDOL	0.04	700,000
CONTRACTOR'S BOND	1.00 LS	107,331.00	107,331
PAYROLL TAXES & INSURANCE	1.00 LS		

ESTIMATES

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 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

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Description	Quantity	Unit	\$	Total \$
Total Minor Item Code 0190.000 MISC OVERHEAD				\$807,331
Total Major Item Code 0190.000 MISC OVERHEAD		UNIT		\$807,331
Major Item Code 0198.000 PROJECT MARKUP				
Minor Item Code 0198.000 PROJECT MARKUP				
O.H. & P.	1.00	LS		
Total Minor Item Code 0198.000 PROJECT MARKUP				
Total Major Item Code 0198.000 PROJECT MARKUP		UNIT		
Major Item Code 0240.000 SHORING & BRACING				
Minor Item Code 0240.000 SHORING & BRACING				
MICROPILES AT 0.9 LINE	40.00	EACH	9,000.00	360,000
LOWER LEVEL ACCESS FOR MICROPILES	1.00	LS	300,000.00	300,000
EARTH RETENTION (190 FT EACH SIDE AT 8' DP) SITE 8	3,040.00	SQFT	55.00	167,200
Total Minor Item Code 0240.000 SHORING & BRACING				\$827,200
Total Major Item Code 0240.000 SHORING & BRACING				\$827,200
Major Item Code 0260.000 ROADS & WALKS				
Minor Item Code 0260.000 ASPHALT PAVING				
REPAIR RAMP	5,000.00	SQFT	20.00	100,000
Total Minor Item Code 0260.000 ASPHALT PAVING				\$100,000
Total Major Item Code 0260.000 ROADS & WALKS				\$100,000
Major Item Code 0280.000 LAWNS & PLANTING				
Minor Item Code 0280.000 LAWNS & PLANTINGS				
FIELD TURF REMOVAL (230' x 200')	46,000.00	SQFT	3.67	168,639
FIELD TURF INSTALL	46,000.00	SQFT	5.00	230,000
Total Minor Item Code 0280.000 LAWNS & PLANTINGS				\$398,639
Total Major Item Code 0280.000 LAWNS & PLANTING				\$398,639
Major Item Code 0300.000 CONCRETE FINISHING				
Minor Item Code 0300.000 CONCRETE FINISH				
CONCRETE AT CLUB	7,500.00	SQFT	3.00	22,500
CONCRETE AT KITCHEN	2,700.00	SQFT	6.00	16,200
CONCRETE AT RESTROOMS	2,700.00	SQFT	6.00	16,200
Total Minor Item Code 0300.000 CONCRETE FINISH				\$54,900
Total Major Item Code 0300.000 CONCRETE FINISHING				\$54,900
Major Item Code 0310.000 FORM WORK				
Minor Item Code 0310.000 FORM WORK				
CONCRETE FORMWORK EQUIPMENT	154,900.00	\$DOL	0.05	7,745
CONCRETE O.H.	154,900.00	\$DOL	0.10	15,490
Total Minor Item Code 0310.000 FORM WORK				\$23,235

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 3. Not Used Secondary Project Qty: 0
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Description	Quantity	Unit	\$	Total \$
Minor Item Code 0319.000 MISC FORM WORK				
CONCRETE FROSTWALLS 6' TALL SITE 8	540.00	SQFT	21.94	11,848
PIERS AT COLUMNS	28.00	CUYD	500.00	14,000
COLUMN PAD FOOTINGS (12' X 12' = 144 SQFT EACH) SITE 8	12.00	EACH	4,500.00	54,000
CONTINUOUS FOOTING SITE 8	90.00	LNFT	60.96	5,486
SLAB ON GRADE 5" SITE 8	8,500.00	SQFT	6.03	51,255
TOPPING SLAB AT PRECAST PLANK 4"	13,500.00	SQFT	3.71	50,085
TOPPING SLAB AT PRECAST PLANK 4" SITE 8	5,400.00	SQFT	3.71	20,034
HEAT & WINTER 11/15**4/15 (1 WINTER)	17.00	WKS	9,566.40	162,629
HEATED CONCRETE	1,500.00	CUYD	5.28	7,913
EQUIPMENT TRANSPORTATION - CONCRETE	16.00	TRIP	543.92	8,703
CONCRETE GROUP GENERAL SUPT **3% OF CONCRETE LABOR**	135,240.00	\$DOL	0.04	5,508
Total Minor Item Code 0319.000 MISC FORM WORK				\$391,460
Total Major Item Code 0310.000 FORMWORK		SQFT		\$414,695
Major Item Code 0320.000 REINFORCING STEEL				
Minor Item Code 0321.000 RE-BARS				
CONCRETE REBAR, ERECTION, HOISTING IN CONC UNIT PRICE	1.00	LS		
Total Minor Item Code 0321.000 RE-BARS				
Total Major Item Code 0320.000 REINFORCING STEEL				
Major Item Code 0330.000 CAST-IN-PLACE CONCRETE				
Minor Item Code 0330.000 CAST-IN-PLACE CONCRETE				
CONCRETE EQUIPMENT	391,988.00	\$DOL	0.05	19,599
CONCRETE OH	391,988.00	\$DOL	0.10	39,199
Total Minor Item Code 0330.000 CAST-IN-PLACE CONCRETE				\$58,798
Total Major Item Code 0330.000 CAST-IN-PLACE CONCRETE				\$58,798
Major Item Code 0340.000 PRECAST CONCRETE				
Minor Item Code 0340.000 PRECAST CONCRETE				
ERECT PRECAST COLUMNS EXTENSIONS	20.00	EACH	4,716.98	94,340
PRECAST COLUMN EXTENSION MATERIAL	160.00	LNFT	422.00	67,520
ERECT PRECAST BEAMS	66.00	EACH	519.87	34,311
PRECAST BEAM MATERIAL	1,150.00	LNFT	211.00	242,850
ERECT PRECAST RAKERS	60.00	EACH	693.16	41,590
PRECAST RAKER MATERIAL	1,544.00	LNFT	369.25	570,122
ERECT PRECAST PLANK	252.00	EACH	166.36	41,922
PRECAST PLANK MATERIAL	13,500.00	SQFT	13.72	185,153
GROUT PRECAST PLANK	13,500.00	SQFT	0.73	9,888
ERECT PRECAST TREAD/RISER	113.00	EACH	415.90	46,996
PRECAST TREAD/RISER MATERIAL (TREAD AREA ONLY)	10,000.00	SQFT	79.13	791,250
ERECT PRECAST WALL PANELS	66.00	EACH	519.87	34,311
PRECAST WALL PANEL MATERIAL	4,432.00	SQFT	47.48	210,409
ERECT PRECAST BASE STAIR UNIT	4.00	EACH	693.16	2,773
PRECAST BASE STAIR UNIT MATERIAL	4.00	EACH	7,500.00	30,000
PRECAST ELEVATOR EXTENSION (25' X 80' FLOOR PLATE)	1,500.00	SQFT	178.57	267,855

ESTIMATES

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 2A est - Camp Randall South End Zone Budge
 1. Major Item Code Oct:2017 (Option 2A - Terrace Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

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Description	Quantity	Unit \$	Total \$
PRECAST SITE 8	4,970.00 SQFT	178.57	887,493
CAULK AT PRECAST	1.00 LS	25,000.00	25,000
EQUIPMENT TRANSPORTATION - PRECAST	24.00 TRIP	543.92	13,054
MANLIFTS @PRECAST ERECTION	15.00 MO	3,692.50	55,388
250 TON CRANE PRECAST (5 MO = 880 HRS, 3 MOS PRECAST, 2 MOS DEMO)	528.00 HRS	500.00	264,000
250 TON IN/OUT	2.00 EACH	3,000.00	6,000
TEMPORARILY BRACE EXISTING STRUCTURE	20.00 EACH	10,000.00	200,000
PRECAST EQUIPMENT	4,122,024.00 \$DOL	0.03	123,661
PRECAST O.H.	4,122,024.00 \$DOL	0.10	412,202
Total Minor Item Code 0340.000 PRECAST CONCRETE			\$4,657,887
Total Major Item Code 0340.000 PRECAST CONCRETE			\$4,657,887
Major Item Code 0400.000 MASONRY			
Minor Item Code 0400.000 MASONRY			
MASONRY DIVISION MANAGER **2% MASONRY LABOR**	51,187.00 \$DOL	0.03	1,347
MASONRY AT CLUB	7,500.00 SQFT	4.00	30,000
MASONRY AT CONCESSIONS	1,400.00 SQFT	23.75	33,250
MASONRY AT KITCHEN	2,700.00 SQFT	4.00	10,800
MASONRY AT RESTROOMS	2,700.00 SQFT	25.00	67,500
EQUIPMENT TRANSPORTATION - MASONRY	8.00 TRIP	543.92	4,351
MASONRY EQUIPMENT	147,776.00 \$DOL	0.05	7,389
MASONRY O.H.	147,776.00 \$DOL	0.10	14,778
Total Minor Item Code 0400.000 MASONRY			\$169,414
Total Major Item Code 0400.000 MASONRY			\$169,414
Major Item Code 0480.000 DEMO			
Minor Item Code 0480.000 INTERIOR WALL DEMOLITION			
REMOVE MASONRY PART.	1,660.00 SQFT	6.43	10,672
MISC REMOVALS AT CONCESSIONS	1.00 LS	12,051.99	12,052
Total Minor Item Code 0480.000 INTERIOR WALL DEMOLITION			\$22,724
Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			
REMOVE BLEACHERS - PERMANENT	9,464.00 LNFT	6.53	61,778
Total Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			\$61,778
Minor Item Code 0489.000 DEMOLITION PROTECTION			
TEMP PROTECTION AT MECH ROOM	4,250.00 SQFT	30.00	127,500
TEMPORARY PROTECTION	1.00 LS	73,720.00	73,720
DEMO PROTECTION EQUIPMENT	201,748.00 \$DOL	0.05	10,087
DEMO PROTECTION OH	201,748.00 \$DOL	0.10	20,175
Total Minor Item Code 0489.000 DEMOLITION PROTECTION			\$231,482
Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION			
REMOVE CONCRETE FOOTINGS SITE 8	384.00 SQFT	15.57	5,980
REMOVE SOG SITE 8	8,500.00 SQFT	9.20	78,241
SAWCUT SOG FOR DEMO SITE 8	5,880.00 LNFT	5.75	33,700
REMOVE PRECAST TREAD/RISERS	234.00 EACH	1,470.90	344,190
REMOVE RAKER BEAMS	52.00 EACH	2,803.16	145,764
REMOVE WALL PANELS	18.00 EACH	2,629.87	47,338
REMOVE VOM PCS (HEADER, BEAM, PANELS)	24.00 EACH	1,838.62	44,127

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 2A est - Camp Randall South End Zone Budge
 1. Major Item Code Oct:2017 (Option 2A - Terrace Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

10:45:14AM 10/19/2017

Description	Quantity	Unit \$	Total \$
REMOVE PRECAST CAMERA BOOTH	1.00 EACH	8,378.96	8,379
REMOVE TOP OF PRECAST COLUMNS	10.00 EACH	2,498.57	24,986
SAWCUT TOP OF COLUMN	10.00 EACH	2,250.00	22,500
REMOVE PRECAST SITE 8	4,970.00 SQFT	178.57	887,493
250 TON CRANE DEMO (5 MO = 880 HRS, 3 MOS PRECAST, 2 MOS DEMO)	352.00 HRS	500.00	176,000
EQUIPMENT TRANSPORTATION - PRECAST	16.00 TRIP	543.92	8,703
EXTERIOR BLDG DEMO EQUIPMENT	1,827,927.00 \$DOL	0.03	54,838
EXTERIOR BLDG DEMO OH	1,827,927.00 \$DOL	0.10	182,793
Total Minor Item Code 0480.000 EXTERIOR BUILDING DEMOLITION			\$2,065,030
Total Major Item Code 0480.000 DEMO			\$2,381,014
Major Item Code 0500.000 STRUCTURAL METALS			
Minor Item Code 0500.000 STEEL GENERAL CONDITIONS			
STEEL AT CLUB	7,500.00 SQFT	1.70	12,750
STEEL AT CONCESSIONS	1,400.00 SQFT	1.70	2,380
STEEL AT KITCHEN	2,700.00 SQFT	1.70	4,590
STEEL AT RESTROOMS	2,700.00 SQFT	1.70	4,590
STAIRS FROM TERRACE TO CLUB	2.00 EACH	75,000.00	150,000
Total Minor Item Code 0500.000 STEEL GENERAL CONDITIONS			\$174,310
Total Major Item Code 0500.000 STRUCTURAL METALS			\$174,310
Major Item Code 0550.000 MISC.IRON - IRONWORKER			
Minor Item Code 0550.000 MISC IRON - IRONWORKER			
3-LINE RAIL AT PRECAST STAIRS/VOMS	130.00 LNFT	125.00	16,250
DEMISING DECORATIVE WALL/RAIL @ TERRACE	605.00 LNFT	250.00	151,250
DEMISING STONE WALL/RAIL @ FRONT CLUB SEATS	175.00 LNFT	400.00	70,000
DEMISING STONE WALL/RAIL @ INTERNAL OF CLUB SEATS	875.00 LNFT	400.00	350,000
MISC IRON/STEEL EQUIPMENT	761,810.00 \$DOL	0.05	38,091
MISC IRON/STEEL O.H.	761,810.00 \$DOL	0.10	76,181
Total Minor Item Code 0550.000 MISC IRON - IRONWORKER			\$701,772
Total Major Item Code 0550.000 MISC.IRON - IRONWORKER			\$701,772
Major Item Code 0640.000 CUSTOM WOODWORK			
Minor Item Code 0640.000 CUSTOM WOODWORK			
CARPENTRY (INCL DIV 10 & DOORS) AT CLUB	7,500.00 SQFT	17.55	131,625
CARPENTRY (INCL DIV 10 & DOORS) AT CONCESSIONS	1,400.00 SQFT	17.55	24,570
CARPENTRY (INCL DIV 10 & DOORS) AT KITCHEN	2,700.00 SQFT	17.55	47,385
CARPENTRY (INCL DIV 10 & DOORS) AT RESTROOMS	2,700.00 SQFT	17.55	47,385
CARPENTRY EQUIPMENT	250,965.00 \$DOL	0.03	7,529
CARPENTRY O.H.	250,965.00 \$DOL	0.10	25,097
Total Minor Item Code 0640.000 CUSTOM WOODWORK			\$283,590
Total Major Item Code 0640.000 CUSTOM WOODWORK			\$283,590
Major Item Code 0700.000 WATERPROOF & DAMPPROOF			
Minor Item Code 0700.000 WATERPROOF & DAMPPROOF			
HORIZONTAL WATERPROOFING AT TERRACE	11,200.00 SQFT	15.00	168,000

ESTIMATES

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 2A.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 2A - Terrace Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

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Description	Quantity	Unit	\$	Total \$
SPRAY INSULATION	14,000.00	SQFT	7.00	98,000
Total Minor Item Code 0700.000 WATERPROOF & DAMPPROOF				\$266,000
Total Major Item Code 0700.000 WATERPROOF & DAMPPROOF				\$266,000
Major Item Code 0790.000 CAULKING & SEALANTS				
Minor Item Code 0790.000 CAULKING & SEALANTS				
CAULK AT CLUB	7,500.00	SQFT	0.25	1,875
CAULK AT CONCESSIONS	1,400.00	SQFT	0.25	350
CAULK AT KITCHEN	2,700.00	SQFT	0.25	675
CAULK AT RESTROOMS	2,700.00	SQFT	0.25	675
Total Minor Item Code 0790.000 CAULKING & SEALANTS				\$3,575
Total Major Item Code 0790.000 CAULKING & SEALANTS				\$3,575
Major Item Code 0830.000 SPECIAL DOORS				
Minor Item Code 0830.000 SPECIAL DOORS				
SPECIAL DOORS AT CLUB	7,500.00	SQFT	0.22	1,650
SPECIAL DOORS AT CONCESSIONS	1,400.00	SQFT	17.50	24,500
SPECIAL DOORS AT KITCHEN	2,700.00	SQFT	0.22	594
SPECIAL DOORS AT RESTROOMS	2,700.00	SQFT	0.22	594
Total Minor Item Code 0830.000 SPECIAL DOORS				\$27,338
Total Major Item Code 0830.000 SPECIAL DOORS				\$27,338
Major Item Code 0870.000 HARDWARE				
Minor Item Code 0870.000 HARDWARE				
CAMPUS LOCKS & DEVICES	1.00	LS	200,000.00	200,000
Total Minor Item Code 0870.000 HARDWARE				\$200,000
Total Major Item Code 0870.000 HARDWARE				\$200,000
Major Item Code 0880.000 GLASS & GLAZING				
Minor Item Code 0880.000 GLAZING				
GLASS AT CLUB	7,500.00	SQFT	11.44	85,800
GLASS AT KITCHEN	2,700.00	SQFT	11.44	30,888
GLASS AT RESTROOMS	2,700.00	SQFT	11.44	30,888
AWNING SYSTEM AND FABRIC	2,720.00	SQFT	30.00	81,600
Total Minor Item Code 0880.000 GLAZING				\$229,176
Total Major Item Code 0880.000 GLASS & GLAZING				\$229,176
Major Item Code 0925.000 GYPSUM DRYWALL				
Minor Item Code 0925.000 GYPSUM DRYWALL				
DRYWALL AT CLUB	7,500.00	SQFT	10.39	77,925
DRYWALL AT CONCESSIONS	1,400.00	SQFT	10.39	14,546
DRYWALL AT KITCHEN	2,700.00	SQFT	10.39	28,053
DRYWALL AT RESTROOMS	2,700.00	SQFT	10.39	28,053
Total Minor Item Code 0925.000 GYPSUM DRYWALL				\$148,577
Total Major Item Code 0925.000 GYPSUM DRYWALL				\$148,577

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 2A.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 2A - Terrace Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

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Description	Quantity	Unit	\$	Total \$
Major Item Code 0930.000 TILE & TERRAZZO				
Minor Item Code 0930.000 CERAMIC TILE				
CERAMIC AT CLUB	7,500.00	SQFT	4.00	30,000
CERAMIC AT KITCHEN	2,700.00	SQFT	30.00	81,000
CERAMIC AT RESTROOMS	2,700.00	SQFT	30.00	81,000
Total Minor Item Code 0930.000 CERAMIC TILE				\$192,000
Total Major Item Code 0930.000 TILE & TERRAZZO				\$192,000
Major Item Code 0950.000 ACOUSTICAL TREATMENT				
Minor Item Code 0950.000 ACOUSTICAL TREATMENT				
ACOUSTIC AT CLUB	7,500.00	SQFT	4.00	30,000
ACOUSTIC AT CONCESSIONS	1,400.00	SQFT	4.00	5,600
ACOUSTIC AT KITCHEN	2,700.00	SQFT	4.00	10,800
ACOUSTIC AT RESTROOMS	2,700.00	SQFT	4.00	10,800
Total Minor Item Code 0950.000 ACOUSTICAL TREATMENT				\$57,200
Total Major Item Code 0950.000 ACOUSTICAL TREATMENT				\$57,200
Major Item Code 0955.000 FLOORING				
Minor Item Code 0955.000 WOOD FLOORING				
FLOORING AT CLUB	7,500.00	SQFT	10.00	75,000
FLOORING AT CONCESSIONS	1,400.00	SQFT	10.00	14,000
FLOORING AT KITCHEN	2,700.00	SQFT	10.00	27,000
FLOORING AT RESTROOMS	2,700.00	SQFT	10.00	27,000
Total Minor Item Code 0955.000 WOOD FLOORING				\$143,000
Total Major Item Code 0955.000 FLOORING				\$143,000
Major Item Code 0980.000 SPECIAL FINISHES				
Minor Item Code 0980.000 SPECIAL FINISHES				
TRAFFIC COATING	24,500.00	SQFT	12.00	294,000
Total Minor Item Code 0980.000 SPECIAL FINISHES				\$294,000
Total Major Item Code 0980.000 SPECIAL FINISHES				\$294,000
Major Item Code 0990.000 PAINTING & WALL COVERING				
Minor Item Code 0990.000 PAINTING				
PAIN AT CLUB	7,500.00	SQFT	2.30	17,250
PAIN AT CONCESSIONS	1,400.00	SQFT	2.30	3,220
PAIN AT KITCHEN	2,700.00	SQFT	2.30	6,210
PAIN AT RESTROOMS	2,700.00	SQFT	2.30	6,210
Total Minor Item Code 0990.000 PAINTING				\$32,890
Total Major Item Code 0990.000 PAINTING & WALL COVERING				\$32,890
Major Item Code 1000.000 SPECIALTIES				
Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES				
WAYFINDING SIGNAGE	1.00	LS	75,000.00	75,000
GRAPHICS	1.00	LS	400,000.00	400,000
Total Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES				\$475,000

ESTIMATES

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 1. Major Item Code Oct:2017 (Option 2A - Terrace Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

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10:45:14AM 10/19/2017

Description	Quantity	Unit \$	Total \$
PRECAST SITE 8	4,970.00 SQFT	178.57	887,493
CAULK AT PRECAST	1.00 LS	25,000.00	25,000
EQUIPMENT TRANSPORTATION - PRECAST	24.00 TRIP	543.92	13,054
MANLIFTS @PRECAST ERECTION	15.00 MO	3,692.50	55,388
250 TON CRANE PRECAST (5 MO = 880 HRS, 3 MOS PRECAST, 2 MOS DEMO)	528.00 HRS	500.00	264,000
250 TON IN/OUT	2.00 EACH	3,000.00	6,000
TEMPORARILY BRACE EXISTING STRUCTURE	20.00 EACH	10,000.00	200,000
PRECAST EQUIPMENT	4,122,024.00 \$DOL	0.03	123,661
PRECAST O.H.	4,122,024.00 \$DOL	0.10	412,202
Total Minor Item Code 0340.000 PRECAST CONCRETE			\$4,657,887
Total Major Item Code 0340.000 PRECAST CONCRETE			\$4,657,887
Major Item Code 0400.000 MASONRY			
Minor Item Code 0400.000 MASONRY			
MASONRY DIVISION MANAGER **2% MASONRY LABOR**	51,187.00 \$DOL	0.03	1,347
MASONRY AT CLUB	7,500.00 SQFT	4.00	30,000
MASONRY AT CONCESSIONS	1,400.00 SQFT	23.75	33,250
MASONRY AT KITCHEN	2,700.00 SQFT	4.00	10,800
MASONRY AT RESTROOMS	2,700.00 SQFT	25.00	67,500
EQUIPMENT TRANSPORTATION - MASONRY	8.00 TRIP	543.92	4,351
MASONRY EQUIPMENT	147,776.00 \$DOL	0.05	7,389
MASONRY O.H.	147,776.00 \$DOL	0.10	14,778
Total Minor Item Code 0400.000 MASONRY			\$169,414
Total Major Item Code 0400.000 MASONRY			\$169,414
Major Item Code 0480.000 DEMO			
Minor Item Code 0480.000 INTERIOR WALL DEMOLITION			
REMOVE MASONRY PART.	1,660.00 SQFT	6.43	10,672
MISC REMOVALS AT CONCESSIONS	1.00 LS	12,051.99	12,052
Total Minor Item Code 0480.000 INTERIOR WALL DEMOLITION			\$22,724
Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			
REMOVE BLEACHERS - PERMANENT	9,464.00 LNFT	6.53	61,778
Total Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			\$61,778
Minor Item Code 0489.000 DEMOLITION PROTECTION			
TEMP PROTECTION AT MECH ROOM	4,250.00 SQFT	30.00	127,500
TEMPORARY PROTECTION	1.00 LS	73,720.00	73,720
DEMO PROTECTION EQUIPMENT	201,748.00 \$DOL	0.05	10,087
DEMO PROTECTION OH	201,748.00 \$DOL	0.10	20,175
Total Minor Item Code 0489.000 DEMOLITION PROTECTION			\$231,482
Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION			
REMOVE CONCRETE FOOTINGS SITE 8	384.00 SQFT	15.57	5,980
REMOVE SOG SITE 8	8,500.00 SQFT	9.20	78,241
SAWCUT SOG FOR DEMO SITE 8	5,880.00 LNFT	5.75	33,700
REMOVE PRECAST TREAD/RISERS	234.00 EACH	1,470.90	344,190
REMOVE RAKER BEAMS	52.00 EACH	2,803.16	145,764
REMOVE WALL PANELS	18.00 EACH	2,629.87	47,338
REMOVE VOM PCS (HEADER, BEAM, PANELS)	24.00 EACH	1,838.62	44,127

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 2A.e.st - Camp Randall South End Zone Budge
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Description	Quantity	Unit \$	Total \$
REMOVE PRECAST CAMERA BOOTH	1.00 EACH	8,378.96	8,379
REMOVE TOP OF PRECAST COLUMNS	10.00 EACH	2,498.57	24,986
SAWCUT TOP OF COLUMN	10.00 EACH	2,250.00	22,500
REMOVE PRECAST SITE 8	4,970.00 SQFT	178.57	887,493
250 TON CRANE DEMO (5 MO = 880 HRS, 3 MOS PRECAST, 2 MOS DEMO)	352.00 HRS	500.00	176,000
EQUIPMENT TRANSPORTATION - PRECAST	16.00 TRIP	543.92	8,703
EXTERIOR BLDG DEMO EQUIPMENT	1,827,927.00 \$DOL	0.03	54,838
EXTERIOR BLDG DEMO OH	1,827,927.00 \$DOL	0.10	182,793
Total Minor Item Code 0480.000 EXTERIOR BUILDING DEMOLITION			\$2,065,030
Total Major Item Code 0480.000 DEMO			\$2,381,014
Major Item Code 0500.000 STRUCTURAL METALS			
Minor Item Code 0500.000 STEEL GENERAL CONDITIONS			
STEEL AT CLUB	7,500.00 SQFT	1.70	12,750
STEEL AT CONCESSIONS	1,400.00 SQFT	1.70	2,380
STEEL AT KITCHEN	2,700.00 SQFT	1.70	4,590
STEEL AT RESTROOMS	2,700.00 SQFT	1.70	4,590
STAIRS FROM TERRACE TO CLUB	2.00 EACH	75,000.00	150,000
Total Minor Item Code 0500.000 STEEL GENERAL CONDITIONS			\$174,310
Total Major Item Code 0500.000 STRUCTURAL METALS			\$174,310
Major Item Code 0550.000 MISC.IRON - IRONWORKER			
Minor Item Code 0550.000 MISC IRON - IRONWORKER			
3-LINE RAIL AT PRECAST STAIRS/VOMS	130.00 LNFT	125.00	16,250
DEMISING DECORATIVE WALL/RAIL @ TERRACE	605.00 LNFT	250.00	151,250
DEMISING STONE WALL/RAIL @ FRONT CLUB SEATS	175.00 LNFT	400.00	70,000
DEMISING STONE WALL/RAIL @ INTERNAL OF CLUB SEATS	875.00 LNFT	400.00	350,000
MISC IRON/STEEL EQUIPMENT	761,810.00 \$DOL	0.05	38,091
MISC IRON/STEEL O.H.	761,810.00 \$DOL	0.10	76,181
Total Minor Item Code 0550.000 MISC IRON - IRONWORKER			\$701,772
Total Major Item Code 0550.000 MISC.IRON - IRONWORKER			\$701,772
Major Item Code 0640.000 CUSTOM WOODWORK			
Minor Item Code 0640.000 CUSTOM WOODWORK			
CARPENTRY (INCL DIV 10 & DOORS) AT CLUB	7,500.00 SQFT	17.55	131,625
CARPENTRY (INCL DIV 10 & DOORS) AT CONCESSIONS	1,400.00 SQFT	17.55	24,570
CARPENTRY (INCL DIV 10 & DOORS) AT KITCHEN	2,700.00 SQFT	17.55	47,385
CARPENTRY (INCL DIV 10 & DOORS) AT RESTROOMS	2,700.00 SQFT	17.55	47,385
CARPENTRY EQUIPMENT	250,965.00 \$DOL	0.03	7,529
CARPENTRY O.H.	250,965.00 \$DOL	0.10	25,097
Total Minor Item Code 0640.000 CUSTOM WOODWORK			\$283,590
Total Major Item Code 0640.000 CUSTOM WOODWORK			\$283,590
Major Item Code 0700.000 WATERPROOF & DAMPPROOF			
Minor Item Code 0700.000 WATERPROOF & DAMPPROOF			
HORIZONTAL WATERPROOFING AT TERRACE	11,200.00 SQFT	15.00	168,000

ESTIMATES

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 2A.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 2A - Terrace Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit	\$	Total \$
SPRAY INSULATION	14,000.00	SQFT	7.00	98,000
Total Minor Item Code 0700.000 WATERPROOF & DAMPPROOF				\$266,000
Total Major Item Code 0700.000 WATERPROOF & DAMPPROOF				\$266,000
Major Item Code 0790.000 CAULKING & SEALANTS				
Minor Item Code 0790.000 CAULKING & SEALANTS				
CAULK AT CLUB	7,500.00	SQFT	0.25	1,875
CAULK AT CONCESSIONS	1,400.00	SQFT	0.25	350
CAULK AT KITCHEN	2,700.00	SQFT	0.25	675
CAULK AT RESTROOMS	2,700.00	SQFT	0.25	675
Total Minor Item Code 0790.000 CAULKING & SEALANTS				\$3,575
Total Major Item Code 0790.000 CAULKING & SEALANTS				\$3,575
Major Item Code 0830.000 SPECIAL DOORS				
Minor Item Code 0830.000 SPECIAL DOORS				
SPECIAL DOORS AT CLUB	7,500.00	SQFT	0.22	1,650
SPECIAL DOORS AT CONCESSIONS	1,400.00	SQFT	17.50	24,500
SPECIAL DOORS AT KITCHEN	2,700.00	SQFT	0.22	594
SPECIAL DOORS AT RESTROOMS	2,700.00	SQFT	0.22	594
Total Minor Item Code 0830.000 SPECIAL DOORS				\$27,338
Total Major Item Code 0830.000 SPECIAL DOORS				\$27,338
Major Item Code 0870.000 HARDWARE				
Minor Item Code 0870.000 HARDWARE				
CAMPUS LOCKS & DEVICES	1.00	LS	200,000.00	200,000
Total Minor Item Code 0870.000 HARDWARE				\$200,000
Total Major Item Code 0870.000 HARDWARE				\$200,000
Major Item Code 0880.000 GLASS & GLAZING				
Minor Item Code 0880.000 GLAZING				
GLASS AT CLUB	7,500.00	SQFT	11.44	85,800
GLASS AT KITCHEN	2,700.00	SQFT	11.44	30,888
GLASS AT RESTROOMS	2,700.00	SQFT	11.44	30,888
AWNING SYSTEM AND FABRIC	2,720.00	SQFT	30.00	81,600
Total Minor Item Code 0880.000 GLAZING				\$229,176
Total Major Item Code 0880.000 GLASS & GLAZING				\$229,176
Major Item Code 0925.000 GYPSUM DRYWALL				
Minor Item Code 0925.000 GYPSUM DRYWALL				
DRYWALL AT CLUB	7,500.00	SQFT	10.39	77,925
DRYWALL AT CONCESSIONS	1,400.00	SQFT	10.39	14,546
DRYWALL AT KITCHEN	2,700.00	SQFT	10.39	28,053
DRYWALL AT RESTROOMS	2,700.00	SQFT	10.39	28,053
Total Minor Item Code 0925.000 GYPSUM DRYWALL				\$148,577
Total Major Item Code 0925.000 GYPSUM DRYWALL				\$148,577

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 2A.est - Camp Randall South End Zone Budget
 1. Major Item Code Oct 2017 (Option 2A - Terrace Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit	\$	Total \$
Major Item Code 0930.000 TILE & TERRAZZO				
Minor Item Code 0930.000 CERAMIC TILE				
CERAMIC AT CLUB	7,500.00	SQFT	4.00	30,000
CERAMIC AT KITCHEN	2,700.00	SQFT	30.00	81,000
CERAMIC AT RESTROOMS	2,700.00	SQFT	30.00	81,000
Total Minor Item Code 0930.000 CERAMIC TILE				\$192,000
Total Major Item Code 0930.000 TILE & TERRAZZO				\$192,000
Major Item Code 0950.000 ACOUSTICAL TREATMENT				
Minor Item Code 0950.000 ACOUSTICAL TREATMENT				
ACOUSTIC AT CLUB	7,500.00	SQFT	4.00	30,000
ACOUSTIC AT CONCESSIONS	1,400.00	SQFT	4.00	5,600
ACOUSTIC AT KITCHEN	2,700.00	SQFT	4.00	10,800
ACOUSTIC AT RESTROOMS	2,700.00	SQFT	4.00	10,800
Total Minor Item Code 0950.000 ACOUSTICAL TREATMENT				\$57,200
Total Major Item Code 0950.000 ACOUSTICAL TREATMENT				\$57,200
Major Item Code 0955.000 FLOORING				
Minor Item Code 0955.000 WOOD FLOORING				
FLOORING AT CLUB	7,500.00	SQFT	10.00	75,000
FLOORING AT CONCESSIONS	1,400.00	SQFT	10.00	14,000
FLOORING AT KITCHEN	2,700.00	SQFT	10.00	27,000
FLOORING AT RESTROOMS	2,700.00	SQFT	10.00	27,000
Total Minor Item Code 0955.000 WOOD FLOORING				\$143,000
Total Major Item Code 0955.000 FLOORING				\$143,000
Major Item Code 0980.000 SPECIAL FINISHES				
Minor Item Code 0980.000 SPECIAL FINISHES				
TRAFFIC COATING	24,500.00	SQFT	12.00	294,000
Total Minor Item Code 0980.000 SPECIAL FINISHES				\$294,000
Total Major Item Code 0980.000 SPECIAL FINISHES				\$294,000
Major Item Code 0990.000 PAINTING & WALL COVERING				
Minor Item Code 0990.000 PAINTING				
PAIN AT CLUB	7,500.00	SQFT	2.30	17,250
PAIN AT CONCESSIONS	1,400.00	SQFT	2.30	3,220
PAIN AT KITCHEN	2,700.00	SQFT	2.30	6,210
PAIN AT RESTROOMS	2,700.00	SQFT	2.30	6,210
Total Minor Item Code 0990.000 PAINTING				\$32,890
Total Major Item Code 0990.000 PAINTING & WALL COVERING				\$32,890
Major Item Code 1000.000 SPECIALTIES				
Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES				
WAYFINDING SIGNAGE	1.00	LS	75,000.00	75,000
GRAPHICS	1.00	LS	400,000.00	400,000
Total Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES				\$475,000

ESTIMATES

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 2A.e.st - Camp Randall South End Zone Budge
 1. Major Item Code Oct:2017 (Option 2A - Terrace Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

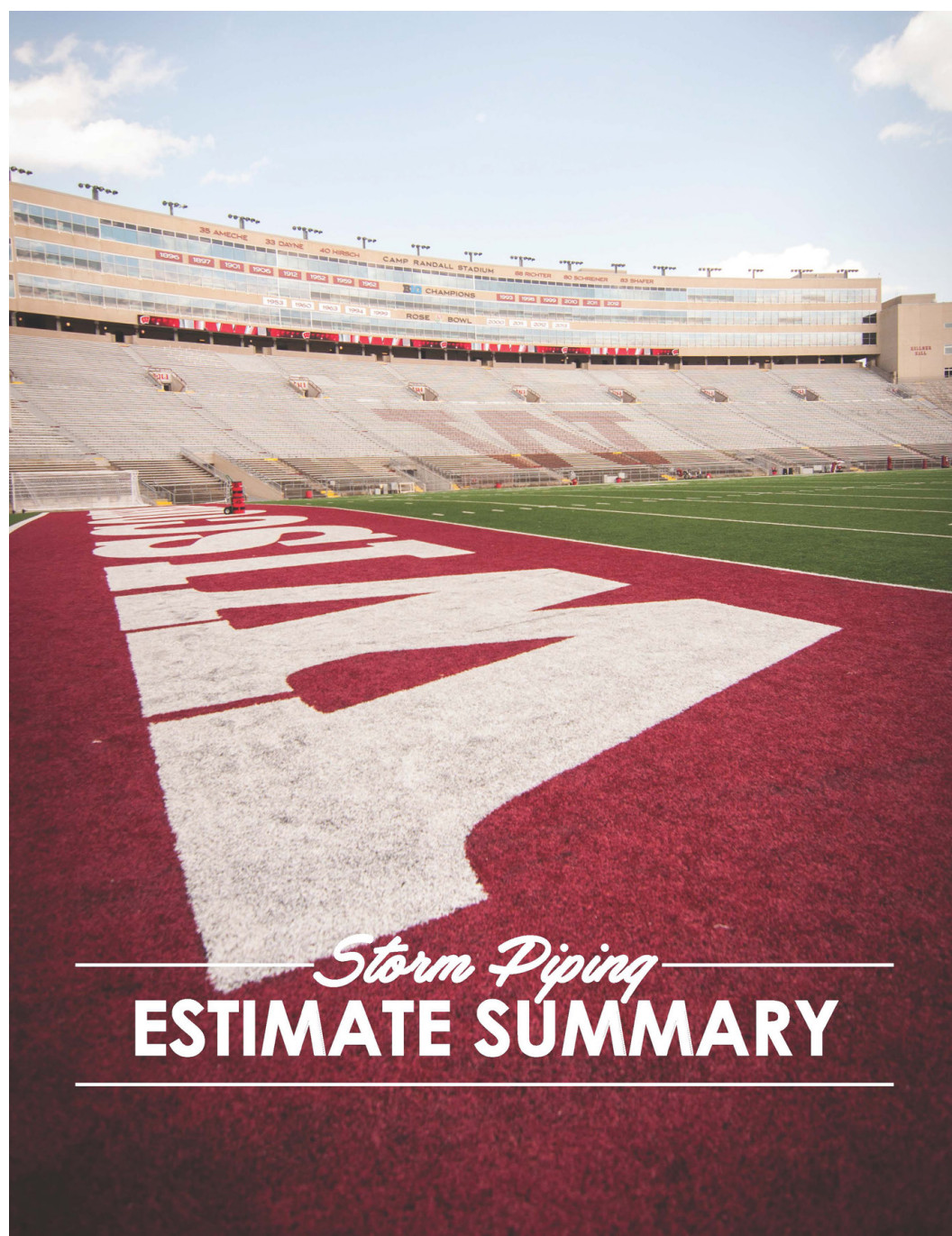
Description	Quantity	Unit \$	Total \$
Total Major Item Code 1000.000 SPECIALTIES \$475,000			
Major Item Code 1100.000 EQUIPMENT			
Minor Item Code 1113.000 AUDIO-VISUAL EQUIPMENT			
AV AT CLUB	7,500.00 SQFT	32.00	240,000
AV AT KITCHEN	2,700.00 SQFT	1.91	5,157
AV AT RESTROOMS	2,700.00 SQFT	1.91	5,157
AV AT TERRACE	7,000.00 SQFT	32.00	224,000
Total Minor Item Code 1113.000 AUDIO-VISUAL EQUIPMENT \$474,314			
Minor Item Code 1140.000 FOOD SERVICE EQUIPMENT			
FOOD SERVICE AT CLUB	7,500.00 SQFT	9.60	72,000
FOOD SERVICE AT CONCESSION	1,400.00 SQFT	9.60	13,440
FOOD SERVICE AT KITCHEN	2,700.00 SQFT	125.00	337,500
FOOD SERVICE AT RESTROOMS	2,700.00 SQFT	9.60	25,920
Total Minor Item Code 1140.000 FOOD SERVICE EQUIPMENT \$448,860			
Total Major Item Code 1100.000 EQUIPMENT \$923,174			
Major Item Code 1200.000 FURNISHINGS			
Minor Item Code 1270.000 MULTIPLE SEATING			
CLUB SEATS	178.00 EACH	350.00	62,300
LOGE BOX SEATS	152.00 EACH	350.00	53,200
TERRACE TABLE & SEATS	32.00 EACH	1,000.00	32,000
ADA STALLS/ CLUB SEATS	8.00 EACH	200.00	1,600
Total Minor Item Code 1270.000 MULTIPLE SEATING \$149,100			
Total Major Item Code 1200.000 FURNISHINGS \$149,100			
Major Item Code 1410.000 ELEVATORS & CONVEYING SYSTEMS			
Minor Item Code 1410.000 ELEVATORS & ESCALATORS			
ELEVATOR EXTENSION/NEW	1.00 LS	350,000.00	350,000
Total Minor Item Code 1410.000 ELEVATORS & ESCALATORS \$350,000			
Total Major Item Code 1410.000 ELEVATORS & CONVEYING SYSTEMS \$350,000			
Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP			
Minor Item Code 1500.000 PIPE & FITTINGS			
PLUMBING AT CLUB	7,500.00 SQFT	12.00	90,000
PLUMBING AT CONCESSIONS	1,400.00 SQFT	8.00	11,200
PLUMBING AT KITCHEN	2,700.00 SQFT	20.00	54,000
PLUMBING AT RESTROOMS	2,700.00 SQFT	110.00	297,000
PLUMBING NOT AT CLUB	17,200.00 SQFT	6.00	103,200
PLUMBING UTILITY WORK 1 LEVEL CONCOURSE	5,000.00 SQFT	20.00	100,000
PLUMBING UTILITY WORK SITE 8	8,500.00 SQFT	20.00	170,000
Total Minor Item Code 1500.000 PIPE & FITTINGS \$825,400			
Total Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP \$825,400			
Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP			
Minor Item Code 1550.000 PIPE, FITTINGS & VALVES			
FIRE PROTECTION AT CLUB	7,500.00 SQFT	3.39	25,425
FIRE PROTECTION AT CONCESSIONS	1,400.00 SQFT	3.39	4,746

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 2A.e.st - Camp Randall South End Zone Budge
 1. Major Item Code Oct:2017 (Option 2A - Terrace Club), Estimator:
 2. Minor Item Code Primary Project Qty:0 SQFT
 3. Not Used Secondary Project Qty: 0
 4. Not Used Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit \$	Total \$
Total Minor Item Code 1550.000 FIRE PROT PIPE, FITTINGS & VALVES \$117,277			
Total Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP \$117,277			
Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT			
Minor Item Code 1560.000 PIPE & FITTINGS			
HVAC AT CLUB	7,500.00 SQFT	30.00	225,000
HVAC AT CONCESSIONS	1,400.00 SQFT	20.00	28,000
HVAC AT KITCHEN	2,700.00 SQFT	50.00	135,000
HVAC AT RESTROOMS	2,700.00 SQFT	50.00	135,000
HVAC NOT AT CLUB	17,200.00 SQFT	20.00	344,000
HVAC RE-WORK AT EXSTG 3RD LVL	1.00 LS	200,000.00	200,000
Total Minor Item Code 1560.000 PIPE & FITTINGS \$1,067,000			
Total Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT \$1,067,000			
Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT			
Minor Item Code 1600.000 HIGH VOLTAGE CONDUCTORS			
ELECTRICAL AT CLUB	7,500.00 SQFT	35.00	262,500
ELECTRICAL AT CONCESSIONS	1,400.00 SQFT	25.00	35,000
ELECTRICAL AT KITCHEN	2,700.00 SQFT	50.00	135,000
ELECTRICAL AT RESTROOMS	2,700.00 SQFT	50.00	135,000
ELECTRICAL NOT AT CLUB	17,200.00 SQFT	20.00	344,000
ELECTRICAL UTILITY WORK 1 LEVEL CONCOURSE	5,000.00 SQFT	30.00	150,000
ELECTRICAL UTILITY WORK SITE 8	8,500.00 SQFT	30.00	255,000
RE-ROUTE CABLE TRAY 3RD LEVEL CONCOURSE	1.00 LS	600,000.00	600,000
Total Minor Item Code 1600.000 HIGH VOLTAGE CONDUCTORS \$1,916,500			
Total Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT \$1,916,500			
ESTIMATE TOTALS			\$20,159,500

ESTIMATES



Storm Piping
ESTIMATE SUMMARY

OPTION 3

Camp Randall South End Zone **TERRACE LEVEL CANTILEVERED TERRACE SEATING**

SCOPE

- This Option is an ADDED cost to Option #2A.
- It includes the addition of (464) club seats and (42) drink rail seats cantilevered from terrace level on precast raker beams and precast tread/risers.

ESTIMATES

Cost Management Detail



J.P. CULLEN & SONS INC.
 PO BOX 1957
 JANE SVILLE, WI 53547
 Phone: (608) 754-6601 Fax: (608) 754-9171

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 3 Add to 2A.est - Camp Randall South End Zone
 1. Major Item Code Budget Oct 2017 (Option 3 - Terrace Club Add Seats),
 2. Minor Item Code Estimator:
 3. Not Used Primary Project Qty: 0 SQFT
 4. Not Used Secondary Project Qty: 0
 Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit \$	Total \$
Major Item Code 0100.000 GENERAL REQUIREMENTS			
Minor Item Code 0100.000 SUMMARY OF WORK			
GENERAL CONDITIONS	1,142,334.00	\$DOL	91,387
Total Minor Item Code 0100.000 SUMMARY OF WORK			\$91,387
Total Major Item Code 0100.000 GENERAL REQUIREMENTS		UNIT	\$91,387
Major Item Code 0190.000 MISC OVERHEAD			
Minor Item Code 0190.000 MISC OVERHEAD			
OT/SHIFT PREMIUM (3.5% OF CONST COST)	1,100,000.00	\$DOL	38,500
CONTRACTOR'S BOND	1.00	LSH	7,100
Total Minor Item Code 0190.000 MISC OVERHEAD			\$45,600
Total Major Item Code 0190.000 MISC OVERHEAD		UNIT	\$45,600
Major Item Code 0340.000 PRECAST CONCRETE			
Minor Item Code 0340.000 PRECAST CONCRETE			
ERECT PRECAST RAKERS	10.00	EACH	6,932
PRECAST RAKER MATERIAL	150.00	LNFT	60,000
ERECT PRECAST TREAD/RISER	40.00	EACH	16,636
PRECAST TREAD/RISER MATERIAL	2,700.00	SQFT	202,500
ERECT PRECAST WALL PANELS	40.00	EACH	20,795
PRECAST WALL PANEL MATERIAL	1,200.00	SQFT	54,000
PRECAST STAIR UNITS	4.00	EACH	120,000
CALLK AT PRECAST	1.00	LS	10,000
CRANE AT PRECAST	80.00	HRS	40,000
TEMPORARILY BRACE EXISTING STRUCTURE	1.00	LS	75,000
PRECAST EQUIPMENT	605,862.00	\$DOL	18,176
PRECAST O.H.	605,862.00	\$DOL	60,586
Total Minor Item Code 0340.000 PRECAST CONCRETE			\$684,624
Total Major Item Code 0340.000 PRECAST CONCRETE			\$684,624
Major Item Code 0550.000 MISC IRON - IRONWORKER			
Minor Item Code 0550.000 MISC IRON - IRONWORKER			
FRONT RAIL AT SEATS	210.00	LNFT	52,500
Total Minor Item Code 0550.000 MISC IRON - IRONWORKER			\$52,500
Total Major Item Code 0550.000 MISC IRON - IRONWORKER			\$52,500
Major Item Code 0980.000 SPECIAL FINISHES			
Minor Item Code 0980.000 SPECIAL FINISHES			

Sort Sequences: Estimate File: :17 0656 South End Zone Budget Opt 3 Add to 2A.est - Camp Randall South End Zone
 1. Major Item Code Budget Oct 2017 (Option 3 - Terrace Club Add Seats),
 2. Minor Item Code Estimator:
 3. Not Used Primary Project Qty: 0 SQFT
 4. Not Used Secondary Project Qty: 0
 Estimate UM: Imperial

Report includes Taxes & Insurance.

Description	Quantity	Unit \$	Total \$
TRAFFIC COATING	3,960.00	SQFT	47,520
Total Minor Item Code 0980.000 SPECIAL FINISHES			\$47,520
Total Major Item Code 0980.000 SPECIAL FINISHES			\$47,520
Major Item Code 1200.000 FURNISHINGS			
Minor Item Code 1270.000 MULTIPLE SEATING			
CLUB SEATS	464.00	EACH	162,400
DRINK RAIL SEATS	42.00	EACH	14,700
Total Minor Item Code 1270.000 MULTIPLE SEATING			\$177,100
Total Major Item Code 1200.000 FURNISHINGS			\$177,100
Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP			
Minor Item Code 1500.000 PIPE & FITTINGS			
PLUMBING NOT AT CLUB	2,700.00	SQFT	16,200
Total Minor Item Code 1500.000 PIPE & FITTINGS			\$16,200
Total Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP			\$16,200
Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP			
Minor Item Code 1550.000 PIPE, FITTINGS & VALVES			
FIRE PROTECTION NOT AT CLUB	2,700.00	SQFT	10,800
Total Minor Item Code 1550.000 PIPE, FITTINGS & VALVES			\$10,800
Total Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP			\$10,800
Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT			
Minor Item Code 1560.000 PIPE & FITTINGS			
HVAC NOT AT CLUB	2,700.00	SQFT	54,000
Total Minor Item Code 1560.000 PIPE & FITTINGS			\$54,000
Total Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT			\$54,000
Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT			
Minor Item Code 1600.000 HIGH VOLTAGE CONDUCTORS			
ELECTRICAL NOT AT CLUB	2,700.00	SQFT	54,000
Total Minor Item Code 1600.000 HIGH VOLTAGE CONDUCTORS			\$54,000
Total Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT			\$54,000
ESTIMATE TOTALS			\$1,233,731

ESTIMATES

FIELD HOUSE

East, West, South Facade & South Plaza

Reference budget provided and attached as part of Cullen UW-Athletic Master Planning Budget document dated 12/1/16. This budget has been prorated to apply the North Facade portion of budget to Option #2A and remainder applied to Field House East, West, and South & South Plaza budget line item in current budget summary.

We have also included allowances of \$125,000 for historic condition reports.

FIELD HOUSE

Capital Investment EXTERIOR & PLAZA

TRADE/ITEM	CODE ISSUE - IMMEDIATE CORRECTION	COMMENTS/DESCRIPTION
Fieldhouse - Built 1928, Partial Remodel 1980, 2003, 2016		
Plumbing		
Fire Protection		
HVAC		
Architectural		
Exterior Wall	\$ 603,250	Tuckpointing is needed. Last done 1995, mortar does not match and not done well.
Exterior Caulking	\$ 28,000	
Repair stone trim & wall masonry	\$ 500,000	Stonework is actually a glazed clay product called Faience. It is cracked and broken and needs to be replaced.
Windows	\$ 1,250,000	Single pane glass, metal frames, asbestos caulking
Exterior Doors	\$ 24,000	Metal doors 2004. Paint wood frames.
Site Conditions-sidewalks/fences/etc	\$ 10,000	Exits at grade have asphalt rames that donot meet ADA.
Fieldhouse exterior plaza	\$ 640,934	
Historic condition reports	\$ 125,000	
Electrical		
Lighting-Exterior Decorative Lighting	\$ 75,000	
TOTALS	\$ 3,256,184	

ESTIMATES

WEST SIDE PRESS BOX

Renovations 6TH, 7TH & 8TH

Reference budget provided and attached dated September 18, 2017, which includes the Press Box budget.



Area of Field House Exterior Plaza

ESTIMATES



October 24, 2017

Jeffrey Schaub – HOK
415 North Front Street, Suite 175
Columbus, Ohio 43215 USA
614-221-5407

Jeffrey Schaub – HOK
415 North Front Street
Suite 175
Columbus, Ohio 43215 USA
614-221-5407

RE: UW-Athletics Camp Randall Press Box Concept Budget

The following is a concept budget for the Camp Randall Press Box project.

Our budget is based on the walk-through we had with BSA and our historical knowledge of the facility. Please see attached for scope, budget summary, budget detail report, and basis of design sketch.

Please let me know if there are any questions.

Sincerely,

Jeremy Shecterle, P.E., LEED AP, AC
Vice President - Janesville/Madison
p: 608.220.8441 | e: jeremy.shecterle@jpcullen.com

CC: David Baran - JP Cullen
Jason King - UW-Athletics

CAMP RANDALL PRESS BOX

Concept Budget

J.P. Cullen and Sons, Inc. is pleased to provide a concept budget for the remodel of the Camp Randall Press Box. In general the work consists of remodeling the 7th and 8th level of the press box in addition to replacing the exterior glazing at the field side of the press box at 7th, 8th and 9th levels.

This budget is based on partial closing of (1) block of Breese Terrace for approximately (2) months to allow crane access to replace the exterior glazing. It is also based on scaffolding the field side of the press box from the existing bleachers for a duration of approximately (3) months.

We have based this budget on a (6) month project that would bid in January of 2020.

Graphics has been included in our budget at allowance of \$104,250.

Our budget is based on the following scope:

Scope

Architectural 7th Level

- Booths (9) total – replace vertical sliding glass units at front of box, replace countertops with solid surface and provide wood wall cap, replace drywall knee-walls, add rubber stair tread at risers, add new acoustic ceiling, replace carpet, paint walls, and replace wood doors (frames to remain).
- Broadcast – No work on interior or exterior of space.
- Elevators – No work at elevators.
- Stairwells – At all levels provide dex-o-text type flooring at all landings, risers, and treads, paint walls and stair railings, add acoustic ceiling at top of stair shaft, wrap exposed beams in sheetmetal enclosure.
- Stairs at Bleachers to 7th Level (3) total – rework concrete steps and provide landing, add new door and frame.
- Passage Corridor – add new dex-o-text type flooring, provide gypsum board furred out walls at all exposed walls, provide acoustic ceiling, paint walls, and provide (2) new hollow metal doors and frames to enclose space at each end.
- Exterior – replace glazed sliding windows at all booths, provide new soffit at underside of overhang/catwalk at roof of seventh level field side, re-paint underside of existing metal panel at seventh ceiling/eighth floor level at field side.

ESTIMATES

CAMP RANDALL PRESS BOX*Concept Budget*

- Toilets (2) total – provide new ceramic floor and wall tile, provide new toilet compartments and associated toilet accessories, add acoustic ceiling.

Architectural 8th Level

- Booths (3) total and Boxes (2) total - replace countertops with solid surface and provide wood wall cap, replace drywall knee-walls, add rubber stair tread at risers, add new acoustic ceiling, replace carpet, paint walls, and replace wood doors (frames to remain).
- Security Booth (1) total – remove side glass wall and enlarge space into current press area, reconfigure tiers of seating as required to match current, replace countertops with solid surface and provide wood wall caps, replace drywall knee-walls, add rubber stair tread at risers, add new acoustic ceiling, replace carpet, paint walls, and replace wood doors (frames to remain).
- Press/Seat Area - replace countertops, replace drywall knee-walls, add rubber stair tread at risers, add new acoustic ceiling, replace carpet, paint walls, remove masonry knee-walls as necessary, add closet for MEP.
- Toilets (2) total – provide new ceramic floor and wall tile, provide new toilet compartments and associated toilet accessories, add acoustic ceiling, reconfigure as required for ADA, provide new doors and frames.
- Serving Area – reconfigure space for new layout, remove walls and provide new as required, provide new acoustic ceiling, paint walls, new solid surface countertops and plastic laminate casework.
- Exterior – Replace curtainwall glass at front of press box and return sides to the concrete stair-shaft walls. Curtainwall to have a top section of 2'-6" tall spandrel section at about 9'6" wide, a middle section of (2) units wide hopper windows at 2'-0" high and a lower section at 9'-6" wide by 8'-0" tall clear opening. The sidewalls (returns from front of press box to stair-shaft walls) would be configured to match the existing layout.
- Stairs – see seventh level scope.

Architectural 9th Level

- Seating Area - Remove and re-install existing countertops as required to provide access to replace glazing.
- Exterior – Replace curtainwall glass at front of press box and return sides to the concrete stair-shaft walls, provide new soffit at underside of overhang/catwalk at roof of ninth level field side. Curtainwall to have a top section of (2) units wide hopper windows at 2'-0" high and a lower section at 9'-6" wide by 8'-0" tall clear opening. The

CAMP RANDALL PRESS BOX*Concept Budget*

- sidewalls would be configured to match the existing layout. The sidewalls (returns from front of press box to stair-shaft walls) would be configured to match the existing layout.
- Stairs – see seventh level scope.

Fire Protection

- Re-pipe mains and rework branch lines and heads as required for new ceilings

Plumbing

- Provide new fixtures as required for (4) toilet rooms
- Provide new water cooler at exterior of eighth level toilets
- Reconfigure piping as required at eighth level

HVAC

- Add A/C utilizing (12) new fan coil units, replace supply ducts as required, and provide new grilles.
- Replace the AHU at Sixth level
- Add heat to passage corridor at seventh level and provide new fin tube heat at all rooms

Electrical

- Provide new can lights at eighth level, and new lighting at seventh level
- Remove and reinstall data/wifi/speakers at ceiling of eighth level to allow for new ceiling
- Replace fire alarm
- Replace electrical panel
- Provide new outlets for data/power at press/seat area using existing circuitry
- Rework cable tray at seventh level to allow for new ceiling installation

Not Included

- Any roof work at Ninth level.
- Any work at exterior glazing areas of stair-shafts.
- Any work on exterior of press box on Breese Terrace side.
- Any work at Ninth level with exception of work required to provide access to replace glazing on field side.
- Any work at Sixth level with exception of work required to replace the AHU unit.

ESTIMATES

CAMP RANDALL PRESS BOX

Summary Budget

Cost of Construction	\$3,458,516
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Detailed Budget
SEE FOLLOWING PAGES

Cost Management Detail

J.P. CULLEN & SONS INC.
PO BOX 1957
JANESVILLE, WI 53547
Phone: (608) 754-0501 Fax: (608) 754-0171

Sort Sequences: 1. Sub 2. Major Item Code 3. Minor Item Code 4. Not Used
Estimate File: 17 0598 Budget.est - Camp Randall Press Box Budget Sept 2017
Estimator: Primary Project City/D SOFT Secondary Project City Estimate UM: Imperial

Report includes T&I AND Indirect Costs

Description	Quantity	Unit	\$	Total \$
Undefined Items in Sub				
Major Item Code 0100.000 GENERAL REQUIREMENTS				
Minor Item Code 0100.000 SUMMARY OF WORK				
SCHEDULE - ASSUME 8 MOS/36 WKS				
Total Minor Item Code 0100.000 SUMMARY OF WORK				
Minor Item Code 0103.000 JOB PERSONNEL				
SUPERINTENDENT (FT + 2WKS PLAN)	36.00	WEEK	3,450.00	131,460
PROJECT MANAGER - 2 (4WKS + 2DAYS/WK)	19.00	WEEK	3,233.53	61,437
SITE ENGINEER - 2 (8M ENGINEER)	4.00	WEEK	2,333.37	9,333
YARD LABOR (5-1.5% LABOR)	1.00	LS	14,154.02	14,154
LABOR RAISE	1.00	LS		
Total Minor Item Code 0103.000 JOB PERSONNEL				\$216,393
Minor Item Code 0106.000 REGULATORY REQUIREMENTS				
BUILDING PERMIT (DFD - NOT REQ'D)	1.00	LS		
STREET CLOSURE PERMIT	1.00	LS	5,212.50	5,213
PARKING METER FEES (10EACH FOR 60 DAYS)	600.00	EACH	18.77	9,383
Total Minor Item Code 0106.000 REGULATORY REQUIREMENTS				\$14,595
Minor Item Code 0107.000 MISC GENERAL REQUIREMENTS				
FINAL CLEANING	9,700.00	SQFT	0.23	2,225
FINAL WASH WINDOWS	5,003.00	SQFT	0.31	1,565
DUMPSTERS (1/WK)	36.00	UNIT	547.31	19,703
GAS & OIL **PICK-UP TRUCKS**	6.00	MO	666.90	3,959
CHEMICAL TOILET **USE OWNERS**	6.00	MO	54.99	330
LAYOUT **INITIAL JOBSITE**	1.00	WEEK	2,531.66	2,532
TRAVEL OFFICE	36.00	WEEK	109.98	3,959
PRINT COST JOB	1.00	LS	1,099.84	1,100
SURVEY COST	1.00	LS	5,499.19	5,499
Total Minor Item Code 0107.000 MISC GENERAL REQUIREMENTS				\$40,872
Minor Item Code 0140.000 QUALITY CONTROL				
CONSTRUCTION TESTING	1.00	LS	5,212.50	5,213
Total Minor Item Code 0140.000 QUALITY CONTROL				\$5,213
Minor Item Code 0149.000 WEATHER PROTECTION				
FUEL TEMP OFFICES	6.00	MO	164.98	990
Total Minor Item Code 0149.000 WEATHER PROTECTION				\$990
Minor Item Code 0150.000 TEMPORARY UTILITIES				
TEMP ELECTRIC WIRING	1.00	LS	3,299.51	3,300
TEMP ELECTRIC POWER **USE OWNERS**	1.00	MO		
TEMP TELEPHONE	6.00	MO	412.44	2,475
TEMP TELEPHONE INSTALL	1.00	LS	219.97	220



ESTIMATES

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 Estimate File: :17 0598 Budgetest - Camp Randall Press Box Budget Sept 2017, Estimator: Primary Project City:0 SQFT, Secondary Project City:0, Estimate UM: Imperial

Report includes T&I AND Indirect Costs.

Description	Quantity	Unit	Unit \$	Total \$
4:00:28PM				9/15/2017
TEMP WATER	6.00	MO	219.97	1,320
Total Minor Item Code 0150.000 TEMPORARY UTILITIES				\$7,314
Minor Item Code 0151.000 JOB EQUIPMENT				
EQUIPMENT REPAIR	1.00	LS	6,288.10	6,288
EQUIPMENT TRANSPORTATION	18.00	TRIP	567.03	10,207
Total Minor Item Code 0151.000 JOB EQUIPMENT				\$16,495
Minor Item Code 0152.000 CONSTRUCTION AIDS				
BOBCAT	6.00	MO	1,209.82	7,259
LULL	6.00	MO	1,849.76	9,899
Total Minor Item Code 0152.000 CONSTRUCTION AIDS				\$17,157
Minor Item Code 0153.000 BARRIERS				
TEMPORARY JOB FENCE	300.00	LNFT	6.28	1,879
BRESSE TERRACE STREET BARRICADES	1.00	LS	12,510.00	12,510
TEMPORARY BARRICADES	510.00	LNFT	6.58	3,357
Total Minor Item Code 0153.000 BARRIERS				\$17,446
Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES				
JOB SIGN	1.00	LS	927.20	927
JOB OFFICE TRAILER	6.00	MO	271.13	1,627
JOB TOOL TRAILER	6.00	MO	214.51	1,287
Total Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES				\$3,841
Minor Item Code 0159.000 JOBSITE OFFICE SUPPLIES				
COPY & OFFICE SUPPLIES	6.00	MO	82.49	495
FAX MACHINE	6.00	MO	54.99	330
JOBSITE COMPUTER	6.00	MO	274.98	1,650
Total Minor Item Code 0159.000 JOBSITE OFFICE SUPPLIES				\$2,475
Minor Item Code 0169.000 INSURANCE				
BLDRS RISK INSURANCE "BY OWNER"	1.00	C		
Total Minor Item Code 0169.000 INSURANCE				
Minor Item Code 0189.000 MISC FEES & OVERHEAD				
ARCHITECT/ENGINEERS FEES	1.00	LS		
Total Minor Item Code 0189.000 MISC FEES & OVERHEAD				
Total Major Item Code 0100.000 GENERAL REQUIREMENTS		UNIT		\$342,790
Minor Item Code 0190.000 MISC OVERHEAD				
CONTRACTOR'S BOND	1.00	LS		
PAYROLL TAXES & INSURANCE	1.00	LS		
Total Minor Item Code 0190.000 MISC OVERHEAD				
Total Major Item Code 0190.000 MISC OVERHEAD		UNIT		
Minor Item Code 0198.000 PROJECT MARKUP				
O.H. & P.	1.00	LS		

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 Estimate File: :17 0598 Budgetest - Camp Randall Press Box Budget Sept 2017, Estimator: Primary Project City:0 SQFT, Secondary Project City:0, Estimate UM: Imperial

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Description	Quantity	Unit	Unit \$	Total \$
4:00:28PM				9/15/2017
Total Minor Item Code 0198.000 PROJECT MARKUP				
Total Major Item Code 0198.000 PROJECT MARKUP		UNIT		
Major Item Code 0199.000 CONTINGENCY				
Minor Item Code 0199.000 CONTINGENCIES				
UNALLOCATED FUNDS	1.00	LS		
Total Minor Item Code 0199.000 CONTINGENCIES				
Total Major Item Code 0199.000 CONTINGENCY		UNIT		
Minor Item Code 0310.000 FORM WORK				
Minor Item Code 0319.000 MISC FORM WORK				
BUILDBACK NEW STAIRLANDING AT SEVENTH	3.00	EACH	6,069.41	18,208
BUILDBACK AT NEW BLEACHER RISERS SEVENTH	1.00	EACH	5,792.42	5,792
CONCRETE FORMWORK EQUIPMENT	23,022.00	SDOL	0.03	720
CONCRETE O.H.	23,022.00	SDOL	0.07	1,680
Total Minor Item Code 0319.000 MISC FORM WORK				\$26,401
Total Major Item Code 0310.000 FORM WORK		SQFT		\$26,401
Minor Item Code 0320.000 REINFORCING STEEL				
Minor Item Code 0321.000 RE-BARS				
CONCRETE REINFORCEMENT	1.00	LS		
REBAR ERECTION	1.00	TONS	1,164.56	1,165
REBAR HOISTING	1.00	TONS	78.61	79
REBAR TIE WIRE & BRICK	1.00	TONS	43.99	44
Total Minor Item Code 0321.000 RE-BARS				\$1,287
Total Major Item Code 0320.000 REINFORCING STEEL				\$1,287
Minor Item Code 0370.000 MISCELLANEOUS CONCRETE				
Minor Item Code 0390.000 CONCRETE FOOTINGS				
FLOOR LEVELING	2.00	EACH	3,033.69	6,067
Total Minor Item Code 0390.000 CONCRETE FOOTINGS				\$6,067
Total Major Item Code 0370.000 MISCELLANEOUS CONCRETE				\$6,067
Minor Item Code 0400.000 MASONRY				
Minor Item Code 0400.000 MASONRY				
PATCH MASONRY WALLS TOILET ROOMS	4.00	EACH	2,871.00	11,484
MASONRY EQUIPMENT	11,016.00	SDOL	0.03	344
MASONRY OH	11,016.00	SDOL	0.07	804
Total Minor Item Code 0400.000 MASONRY				\$12,632
Total Major Item Code 0400.000 MASONRY				\$12,632
Minor Item Code 0480.000 DEMO				
Minor Item Code 0480.000 INTERIOR WALL DEMOLITION				
REMOVE MTL STUD & DW PART.	280.00	SQFT	1.71	480
REMOVE MTL STUD & PLAS PART.	2,361.00	SQFT	1.71	4,027
REMOVE WINDOW WALL	154.00	SQFT	6.54	1,008
REMOVE MASONRY PART.	605.60	SQFT	6.48	3,912

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ESTIMATES

Sort Sequences: 1. Sub, 2. Major Item Code, 3. Minor Item Code, 4. Not Used
 Estimate File: 17 0508 Budget est - Camp Randall Press Box Budget Sept 2017, Estimator: Primary Project City:0 SQFT, Secondary Project City:0, Estimate Unit: Imperial

Report includes T&I AND Indirect Costs

Description	Quantity	Unit \$	Total \$
REMOVE HM FRAME	8.00 UNIT	49.03	392
REMOVE GATE	3.00 UNIT	91.27	274
REMOVE HM DOOR	8.00 UNIT	50.10	401
WALL DEMO EQUIPMENT	10,066.00 SDOL	0.03	315
WALL DEMO OH	10,066.00 SDOL	0.07	735
Total Minor Item Code 0480.000 INTERIOR WALL DEMOLITION			\$11,543
Minor Item Code 0482.000 INTERIOR FLOOR DEMOLITION			
REMOVE CARPET	5,004.00 SQFT	0.56	2,825
REMOVE CERAMIC FLOORING	523.00 SQFT	2.30	1,201
REMOVE VINYL BASE	1,327.00 LNFT	1.08	1,440
FLOOR DEMO EQUIPMENT	5,243.00 SDOL	0.03	164
FLOOR DEMO OH	5,243.00 SDOL	0.07	383
Total Minor Item Code 0482.000 INTERIOR FLOOR DEMOLITION			\$6,012
Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			
DEMO AT SECURITY BOOTH RISERS	1.00 EACH	10,474.50	10,475
REMOVE COUNTERTOP	847.00 LNFT	7.91	6,702
REMOVE WOOD WALL CAP & TRIM	145.00 LNFT	5.39	782
SELECTIVE DEMO EQUIPMENT	12,519.00 SDOL	0.03	392
SELECTIVE DEMO OH	12,519.00 SDOL	0.07	914
Total Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			\$19,264
Minor Item Code 0489.000 DEMOLITION PROTECTION			
TEMP. PART. 2X4	4,756.00 LNFT	2.29	10,911
TEMP. PART. VISQUEEN	7,080.00 SQFT	0.88	4,700
FLOOR PROTECTION	1,401.00 SQFT	1.89	2,363
DEMO PROTECTION EQUIPMENT	17,326.00 SDOL	0.03	542
DEMO PROTECTION OH	17,326.00 SDOL	0.07	1,265
Total Minor Item Code 0489.000 DEMOLITION PROTECTION			\$19,871
Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION			
DEMO AT NEW STAIR AT SEVENTH	3.00 EACH	5,457.22	16,372
DEMO AT BLEACHERS BETWEEN STAIRS SEVENTH	1.00 EACH	5,457.22	5,457
EXTERIOR BLDG DEMO EQUIPMENT	20,939.00 SDOL	0.03	655
EXTERIOR BLDG DEMO OH	20,939.00 SDOL	0.07	1,528
Total Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION			\$24,012
Total Major Item Code 0480.000 DEMO			\$80,702
Major Item Code 0554.000 MISC. IRON - CARPENTER FABRICATIONS			
MODIFY STAIR RAILINGS	2.00 EACH	1,578.99	3,158
Total Minor Item Code 0554.000 METAL FABRICATIONS			\$3,158
Total Major Item Code 0554.000 MISC. IRON - CARPENTER FABRICATIONS			\$3,158
Major Item Code 0600.000 ROUGH CARPENTRY			
Minor Item Code 0600.000 ROUGH CARPENTRY			
ROUGH CARPENTRY (GSF)	9,890.00 SQFT	1.04	10,102
BUILDBACK AT SECURITY RISERS	1.00 EACH	15,252.36	15,252
ROUGH CARPENTRY EQUIPMENT	21,718.00 SDOL	0.03	679
ROUGH CARPENTRY OH	21,718.00 SDOL	0.07	1,585

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 Estimate File: 17 0508 Budget est - Camp Randall Press Box Budget Sept 2017, Estimator: Primary Project City:0 SQFT, Secondary Project City:0, Estimate Unit: Imperial

Report includes T&I AND Indirect Costs

Description	Quantity	Unit \$	Total \$
Total Minor Item Code 0600.000 ROUGH CARPENTRY			\$27,618
Total Major Item Code 0600.000 ROUGH CARPENTRY			\$27,618
Major Item Code 0620.000 FINISH CARPENTRY			
Minor Item Code 0620.000 INTERIOR TRIM			
WALL CAP/TRIM	497.00 LNFT	54.05	26,861
FINISH CARPENTRY EQUIPMENT	25,766.00 SDOL	0.03	806
FINISH CARPENTRY OH	25,766.00 SDOL	0.07	1,880
Total Minor Item Code 0620.000 INTERIOR TRIM			\$29,547
Total Major Item Code 0620.000 FINISH CARPENTRY			\$29,547
Major Item Code 0640.000 CUSTOM WOODWORK			
Minor Item Code 0640.000 CUSTOM WOODWORK			
PLAM STANDARD BASE CABINET	80.00 LNFT	188.20	15,056
WALL-MOUNTED CORIAN COUNTERTOP	800.00 LNFT	182.85	146,283
WALL-MOUNTED PLAM COUNTERTOP	172.00 LNFT	51.04	8,779
COUNTERTOP SUPPORT BRACKETS	201.00 EACH	122.52	24,627
PLAM STANDARD WALL CABINET	40.00 LNFT	193.55	7,754
CASEWORK EQUIPMENT	104,302.00 SDOL	0.03	6,077
CASEWORK OH	104,302.00 SDOL	0.07	14,179
Total Minor Item Code 0640.000 CUSTOM WOODWORK			\$222,815
Total Major Item Code 0640.000 CUSTOM WOODWORK			\$222,815
Major Item Code 0740.000 PREFORMED ROOFING & SIDING			
Minor Item Code 0740.000 PREFORMED ROOFING & SIDING			
SHEETMETAL WRAP BEAMS IN STAIRS	240.00 SQFT	20.85	5,004
EXTERIOR SOFFIT PANELS	1,034.00 SQFT	31.28	32,338
REPAINT EXTERIOR SOFFIT PANELS	2,162.00 SQFT	8.34	17,948
REPLACE CORRUGATED WALL PANELS	1,995.00 SQFT	20.00	51,995
Total Minor Item Code 0740.000 PREFORMED ROOFING & SIDING			\$107,285
Total Major Item Code 0740.000 PREFORMED ROOFING & SIDING			\$107,285
Major Item Code 0790.000 CAULKING & SEALANTS			
Minor Item Code 0790.000 CAULKING & SEALANTS			
CAULK HOLLOW METAL FRAME	13.00 EACH	29.17	379
Total Minor Item Code 0790.000 CAULKING & SEALANTS			\$379
Total Major Item Code 0790.000 CAULKING & SEALANTS			\$379
Major Item Code 0800.000 METAL DOORS & FRAMES			
Minor Item Code 0800.000 METAL DOORS & FRAMES			
HOLLOW METAL DOORS	9.00 UNIT	452.77	4,075
GROUT H.M. FRAMES	13.00 UNIT	74.43	968
HOLLOW METAL ACCESSORIES	13.00 UNIT	6.60	86
HOLLOW METAL FRAMES	13.00 UNIT	260.30	3,384
HOLLOW METAL INSTALL EQUIPMENT	8,165.00 SDOL	0.03	255
HOLLOW METAL INSTALL OH	8,165.00 SDOL	0.07	596
Total Minor Item Code 0800.000 METAL DOORS & FRAMES			\$9,363

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ESTIMATES

Sort Sequences: 1. Sub, 2. Major Item Code, 3. Minor Item Code, 4. Not Used
 Estimate File: :17 0598 Budget.est - Camp Randall Press Box Budget Sept 2017, Estimator: Primary Project City:0 SQFT, Secondary Project City:0, Estimate UM: Imperial

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4:00:28PM 9/15/2017

Description	Quantity	Unit	\$	Total \$
Total Major Item Code 0800.000 METAL DOORS & FRAMES				\$9,363
Major Item Code 0820.000 WOOD & PLASTIC DOORS				
Minor Item Code 0820.000 WOOD & PLASTIC DOORS				
WOOD DOORS	22.00	UNIT	367.78	8,751
WOOD DOOR INSTALL EQUIPMENT	8,394.00	SDOL	0.03	263
WOOD DOOR INSTALL OH	8,394.00	SDOL	0.07	613
Total Minor Item Code 0820.000 WOOD & PLASTIC DOORS				\$9,626
Total Major Item Code 0820.000 WOOD & PLASTIC DOORS				\$9,626
Major Item Code 0870.000 HARDWARE				
Minor Item Code 0870.000 HARDWARE				
EXTERIOR DOOR HARDWARE SET	9.00	EACH	3,200.67	28,806
INTERIOR DOOR HARDWARE SET	22.00	EACH	1,092.57	24,037
HARDWARE INSTALL EQUIPMENT	50,888.00	SDOL	0.03	1,565
HARDWARE INSTALL OH	50,888.00	SDOL	0.07	3,699
Total Minor Item Code 0870.000 HARDWARE				\$58,127
Total Major Item Code 0870.000 HARDWARE				\$58,127
Major Item Code 0890.000 GLASS & GLAZING				
Minor Item Code 0890.000 GLAZED CURTAIN WALLS				
INTERIOR GLASSWALL	194.00	SQFT	62.55	10,256
CURTAINWALL GLAZING	2,322.00	SQFT	120.67	280,194
CURTAINWALL GLAZING	1,720.00	SQFT	122.80	211,209
SIDEWALL CURTAINWALL/GLAZING	486.00	SQFT	120.67	58,645
SIDEWALL CURTAINWALL/GLAZING	360.00	SQFT	122.80	44,207
SLIDING GLASS WINDOW WALL 10' x 8'	10.00	EACH	7,297.50	72,975
DEMO GLAZING	1.00	LS	62,550.00	62,550
CRANE RENT (50 DAYS - 95 TON)	1.00	LS	114,823.04	114,823
FIELD SIDE BLEACHER SCAFFOLD (BASED ON 13WKS RENT)	1.00	LS	67,762.50	67,763
Total Minor Item Code 0890.000 GLAZED CURTAIN WALLS				\$922,624
Total Major Item Code 0890.000 GLASS & GLAZING				\$922,624
Major Item Code 0925.000 GYPSUM DRYWALL				
Minor Item Code 0925.000 GYPSUM DRYWALL				
DRYWALL PARTITION - KNEEWALL	3,486.00	SQFT	6.34	20,157
DRYWALL PARTITION	102.00	SQFT	10.43	1,063
DRYWALL FURRING	4,014.00	SQFT	6.78	27,200
DRYWALL PATCH EXISTING	1.00	LS	2,155.23	2,155
DRYWALL PATCH EXISTING	1.00	LS	5,922.13	5,922
DRYWALL PATCH EXISTING	1.00	LS	8,883.19	8,883
DRYWALL SOFFIT	3,486.00	SQFT	6.34	20,090
PATCH AT MEPS	1.00	LS	6,197.09	6,197
Total Minor Item Code 0925.000 GYPSUM DRYWALL				\$109,667
Total Major Item Code 0925.000 GYPSUM DRYWALL				\$109,667
Major Item Code 0930.000 TILE & TERRAZZO				
Minor Item Code 0930.000 CERAMIC TILE				
CERAMIC WALL TILE	1,837.00	SQFT	14.60	26,811

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Description	Quantity	Unit	\$	Total \$
Total Minor Item Code 0930.000 CERAMIC TILE				\$34,576
Total Major Item Code 0930.000 TILE & TERRAZZO				\$34,576
Major Item Code 0950.000 ACOUSTICAL TREATMENT				
Minor Item Code 0950.000 ACOUSTICAL TREATMENT				
ACT CEILING	5,149.00	SQFT	3.91	20,129
MOISTURE RESISTANT ACT CEILING	1,735.00	SQFT	4.43	7,687
MOISTURE RESISTANT ACT CEILING - HIGH	206.00	SQFT	8.34	1,718
Total Minor Item Code 0950.000 ACOUSTICAL TREATMENT				\$29,535
Total Major Item Code 0950.000 ACOUSTICAL TREATMENT				\$29,535
Major Item Code 0955.000 FLOORING				
Minor Item Code 0965.000 RESILIENT FLOORING				
LVT	532.00	SQFT	8.34	4,437
Total Minor Item Code 0965.000 RESILIENT FLOORING				\$4,437
Minor Item Code 0968.000 CARPETING				
CARPET	3,880.00	SQFT	3.65	14,157
CARPET	635.00	SQFT	5.21	3,326
FLOOR PREP/ADHESIVE REMOVAL	9,690.00	SQFT	1.30	12,627
STAIR TREAD CARPET/NOSING 3' x 1'	119.00	EACH	135.53	16,127
RUBBER BASE	2,692.00	LNFT	2.61	7,016
RES. FLOOR - MONDO	1,488.00	SQFT	12.51	18,590
Total Minor Item Code 0968.000 CARPETING				\$71,843
Minor Item Code 0970.000 SPECIAL FLOORING				
DEXOTEX STAIR TREAD/NOSING 5' X 1'	115.00	EACH	218.93	25,176
DEXOTEX LANDING/FLOOR	402.00	SQFT	12.51	5,029
Total Minor Item Code 0970.000 SPECIAL FLOORING				\$30,205
Total Major Item Code 0955.000 FLOORING				\$106,486
Major Item Code 0990.000 PAINTING & WALL COVERING				
Minor Item Code 0990.000 PAINTING				
PAINT WALLS	24,715.00	SQFT	1.50	38,648
PAINT STAIR RAILS	360.00	LNFT	10.43	3,753
Total Minor Item Code 0990.000 PAINTING				\$42,401
Total Major Item Code 0990.000 PAINTING & WALL COVERING				\$42,401
Major Item Code 1000.000 SPECIALTIES				
Minor Item Code 1000.000 MISC SPECIALTIES				
ALL SPECIALTIES EQUIPMENT	21,303.00	SDOL	0.03	666
ALL SPECIALTIES O.H.	21,303.00	SDOL	0.07	1,555
Total Minor Item Code 1000.000 MISC SPECIALTIES				\$2,221
Minor Item Code 1015.000 COMPARTMENTS & CUBICLES				
FLR MTD TOILET COMPARTMENT	9.00	EACH	821.24	7,391
Total Minor Item Code 1015.000 COMPARTMENTS & CUBICLES				\$7,391
Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES				

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ESTIMATES

Sort Sequences:
 1. Sub
 2. Major Item Code
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 4. Not Used

Estimate File: :17 0508 Budget est - Camp Randall Press Box Budget Sept 2017.
 Estimator:
 Primary Project City:0 SQFT
 Secondary Project City:0
 Estimate U.M: Imperial

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4:00:28PM 9/15/2017

Description	Quantity	Unit \$	Total \$
UW GRAPHICS	1.00 LS	104,250.00	104,250
<i>Total Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES</i>			\$104,250
<i>Minor Item Code 1080.000 TOILET & BATH ACCESSORIES</i>			
2436 FRAMED MIRROR	7.00 EACH	116.40	815
TOILET ACCESSORIES	19.00 STAL	736.94	14,002
<i>Total Minor Item Code 1080.000 TOILET & BATH ACCESSORIES</i>			\$14,817
<i>Total Major Item Code 1000.000 SPECIALTIES</i>			\$128,879
<i>Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP</i>			
<i>Minor Item Code 1549.000 PLUMBING SYSTEMS</i>			
PLUMBING (22 FIXTURES)	1.00 LS	83,400.00	83,400
<i>Total Minor Item Code 1549.000 PLUMBING SYSTEMS</i>			\$83,400
<i>Total Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP</i>			\$83,400
<i>Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP</i>			
<i>Minor Item Code 1559.000 FIRE PROTECTION SYSTEMS</i>			
FIRE EXTINGUISHING SYSTEM (BSA)	1.00 LS	41,700.00	41,700
<i>Total Minor Item Code 1559.000 FIRE PROTECTION SYSTEMS</i>			\$41,700
<i>Total Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP</i>			\$41,700
<i>Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT</i>			
<i>Minor Item Code 1599.000 HVAC SYSTEMS & EQUIP</i>			
REPLACE AHU AT SIXTH (BSA)	1.00 LS	364,875.00	364,875
HVAC (BSA)	1.00 LS	328,367.50	328,368
<i>Total Minor Item Code 1599.000 HVAC SYSTEMS & EQUIP</i>			\$693,263
<i>Total Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT</i>			\$693,263
<i>Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT</i>			
<i>Minor Item Code 1699.000 ELECTRICAL SYSTEMS</i>			
ELECTRICAL	1.00 LS	328,367.50	328,368
<i>Total Minor Item Code 1699.000 ELECTRICAL SYSTEMS</i>			\$328,388
<i>Total Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT</i>			\$328,388
<i>Total Undefined Items in Sub</i>			\$3,458,516



Sort Sequences:
 1. Sub
 2. Major Item Code
 3. Minor Item Code
 4. Not Used

Estimate File: :17 0508 Budget est - Camp Randall Press Box Budget Sept 2017.
 Estimator:
 Primary Project City:0 SQFT
 Secondary Project City:0
 Estimate U.M: Imperial

Report includes T&I AND Indirect Costs.

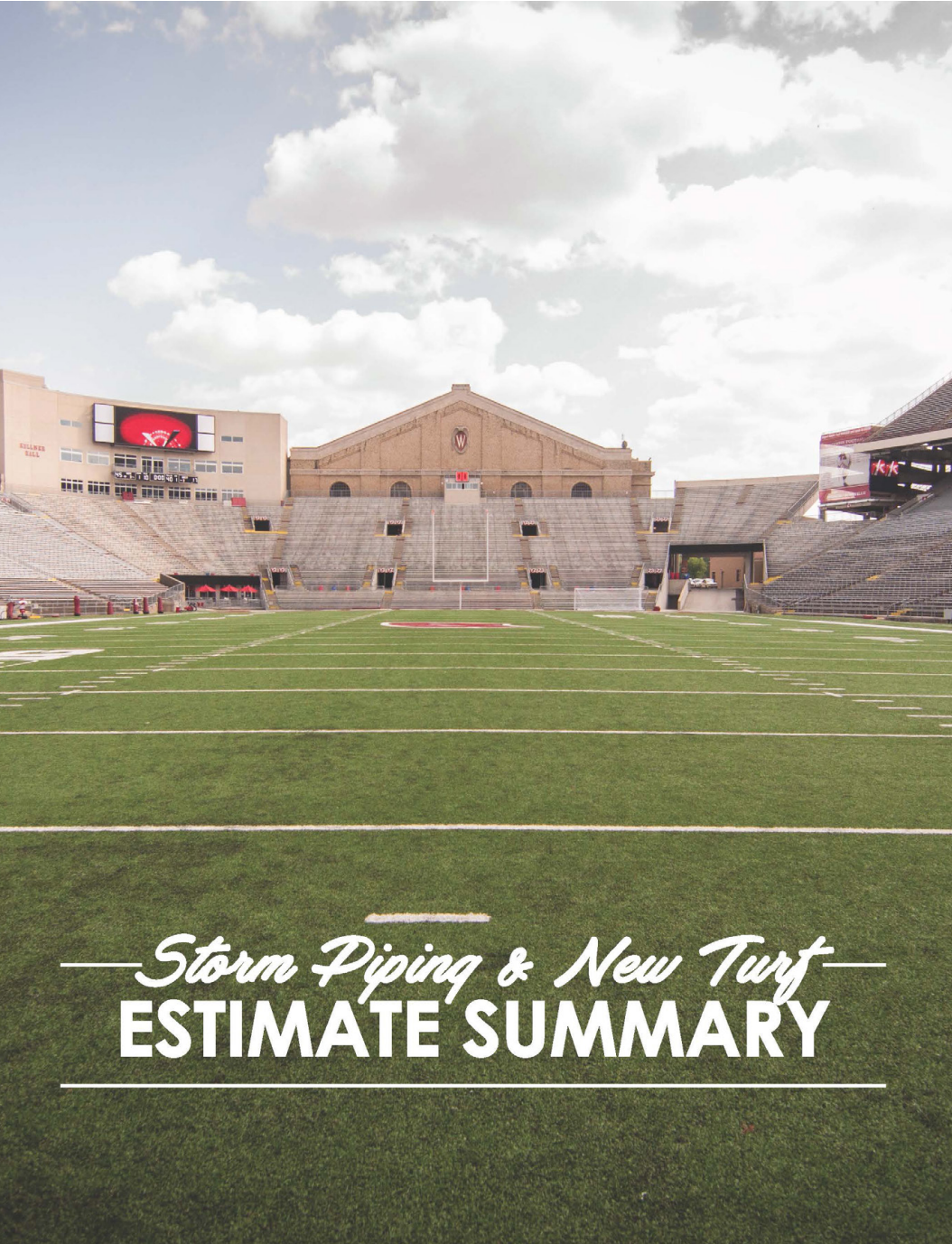
4:00:28PM 9/15/2017

Description	Quantity	Unit \$	Total \$
ESTIMATE TOTALS			\$3,458,516



ESTIMATES

Basis of Budget Sketch (provided by BSA)



ESTIMATES

CAMP RANDALL

Field Level Storm Piping & New Turf

- This option includes field level storm piping and utilities along with replacement of both Camp Randall Turf and McClain Center Turf. See estimate summary.

CAMP RANDALL

Field Level Storm Piping & New Turf

Camp Randall Field Level Storm Piping, Utilities, and New Turf

New Turf - Camp Randall	\$	838,747
New Turf - McClain Center	\$	466,733
Field Level Natural Gas Line	\$	50,000
Field Level Water Line & (3) Valves	\$	40,000
Field Level (25) Storm Laterals	\$	500,000
Field Level South End Power/Data	\$	125,000
Field Level North End Conduit & (2) Manholes	\$	100,000
Field Level Excavation, Concrete, & Asphalt	\$	384,000
Construction Costs	\$	2,504,480

ESTIMATES

Sort Sequences: 1. Sub, 2. Major Item Code, 3. Minor Item Code, 4. Not Used
 Estimate File: :17 0598 Budgetest - Camp Randall Press Box Budget Sept 2017, Estimator: Primary Project City:0 SQFT, Secondary Project City:0, Estimate UM: Imperial

Report includes T&I AND Indirect Costs.

Description	Quantity	Unit	Unit \$	Total \$
TEMP WATER	6.00	MO	219.97	1,320
Total Minor Item Code 0150.000 TEMPORARY UTILITIES				\$7,314
Minor Item Code 0151.000 JOB EQUIPMENT				
EQUIPMENT REPAIR	1.00	LS	6,288.10	6,288
EQUIPMENT TRANSPORTATION	18.00	TRIP	567.03	10,207
Total Minor Item Code 0151.000 JOB EQUIPMENT				\$16,495
Minor Item Code 0152.000 CONSTRUCTION AIDS				
BOBCAT	6.00	MO	1,209.82	7,259
LULL	6.00	MO	1,849.76	9,899
Total Minor Item Code 0152.000 CONSTRUCTION AIDS				\$17,157
Minor Item Code 0153.000 BARRIERS				
TEMPORARY JOB FENCE	300.00	LNFT	6.28	1,879
BRESSE TERRACE STREET BARRICADES	1.00	LS	12,510.00	12,510
TEMPORARY BARRICADES	510.00	LNFT	6.58	3,357
Total Minor Item Code 0153.000 BARRIERS				\$17,446
Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES				
JOB SIGN	1.00	LS	927.20	927
JOB OFFICE TRAILER	6.00	MO	271.13	1,627
JOB TOOL TRAILER	6.00	MO	214.51	1,287
Total Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES				\$3,841
Minor Item Code 0159.000 JOBSITE OFFICE SUPPLIES				
COPY & OFFICE SUPPLIES	6.00	MO	82.49	495
FAX MACHINE	6.00	MO	54.99	330
JOBSITE COMPUTER	6.00	MO	274.98	1,650
Total Minor Item Code 0159.000 JOBSITE OFFICE SUPPLIES				\$2,475
Minor Item Code 0169.000 INSURANCE				
BLDRS RISK INSURANCE "BY OWNER"	1.00	C		
Total Minor Item Code 0169.000 INSURANCE				
Minor Item Code 0189.000 MISC FEES & OVERHEAD				
ARCHITECT/ENGINEERS FEES	1.00	LS		
Total Minor Item Code 0189.000 MISC FEES & OVERHEAD				
Total Major Item Code 0100.000 GENERAL REQUIREMENTS		UNIT		\$342,790
Minor Item Code 0190.000 MISC OVERHEAD				
CONTRACTOR'S BOND	1.00	LS		
PAYROLL TAXES & INSURANCE	1.00	LS		
Total Minor Item Code 0190.000 MISC OVERHEAD				
Total Major Item Code 0190.000 MISC OVERHEAD		UNIT		
Minor Item Code 0198.000 PROJECT MARKUP				
O.H. & P.	1.00	LS		

Page 2



Sort Sequences: 1. Sub, 2. Major Item Code, 3. Minor Item Code, 4. Not Used
 Estimate File: :17 0598 Budgetest - Camp Randall Press Box Budget Sept 2017, Estimator: Primary Project City:0 SQFT, Secondary Project City:0, Estimate UM: Imperial

Report includes T&I AND Indirect Costs.

Description	Quantity	Unit	Unit \$	Total \$
Total Minor Item Code 0198.000 PROJECT MARKUP				
Total Major Item Code 0198.000 PROJECT MARKUP		UNIT		
Minor Item Code 0199.000 CONTINGENCY				
Minor Item Code 0199.000 CONTINGENCIES				
UNALLOCATED FUNDS	1.00	LS		
Total Minor Item Code 0199.000 CONTINGENCIES				
Total Major Item Code 0199.000 CONTINGENCY		UNIT		
Minor Item Code 0310.000 FORM WORK				
Minor Item Code 0319.000 MISC FORM WORK				
BUILDBACK NEW STAIRLANDING AT SEVENTH	3.00	EACH	6,069.41	18,208
BUILDBACK AT NEW BLEACHER RISERS SEVENTH	1.00	EACH	5,792.42	5,792
CONCRETE FORMWORK EQUIPMENT	23,022.00	SDOL	0.03	720
CONCRETE O.H.	23,022.00	SDOL	0.07	1,680
Total Minor Item Code 0319.000 MISC FORM WORK				\$26,401
Total Major Item Code 0310.000 FORM WORK		SQFT		\$26,401
Minor Item Code 0320.000 REINFORCING STEEL				
Minor Item Code 0321.000 RE-BARS				
CONCRETE REINFORCEMENT	1.00	LS		
REBAR ERECTION	1.00	TONS	1,164.56	1,165
REBAR HOISTING	1.00	TONS	78.61	79
REBAR TIE WIRE & BRICK	1.00	TONS	43.99	44
Total Minor Item Code 0321.000 RE-BARS				\$1,287
Total Major Item Code 0320.000 REINFORCING STEEL				\$1,287
Minor Item Code 0370.000 MISCELLANEOUS CONCRETE				
Minor Item Code 0390.000 CONCRETE FOOTINGS				
FLOOR LEVELING	2.00	EACH	3,033.69	6,067
Total Minor Item Code 0390.000 CONCRETE FOOTINGS				\$6,067
Total Major Item Code 0370.000 MISCELLANEOUS CONCRETE				\$6,067
Minor Item Code 0400.000 MASONRY				
Minor Item Code 0400.000 MASONRY				
PATCH MASONRY WALLS TOILET ROOMS	4.00	EACH	2,871.00	11,484
MASONRY EQUIPMENT	11,016.00	SDOL	0.03	344
MASONRY OH	11,016.00	SDOL	0.07	804
Total Minor Item Code 0400.000 MASONRY				\$12,632
Total Major Item Code 0400.000 MASONRY				\$12,632
Minor Item Code 0480.000 DEMO				
Minor Item Code 0480.000 INTERIOR WALL DEMOLITION				
REMOVE MTL STUD & DW PART.	280.00	SQFT	1.71	480
REMOVE MTL STUD & PLAS PART.	2,361.00	SQFT	1.71	4,027
REMOVE WINDOW WALL	154.00	SQFT	6.54	1,008
REMOVE MASONRY PART.	605.60	SQFT	6.48	3,912

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ESTIMATES

Sort Sequences: 1. Sub, 2. Major Item Code, 3. Minor Item Code, 4. Not Used

Estimate File: 17 0508 Budget est - Camp Randall Press Box Budget Sept 2017, Estimator: Primary Project City:0 SQFT, Secondary Project City:0, Estimate Unit: Imperial

Report includes T&I AND Indirect Costs

Description	Quantity	Unit \$	Total \$
REMOVE HM FRAME	8.00 UNIT	49.03	392
REMOVE GATE	3.00 UNIT	91.27	274
REMOVE HM DOOR	8.00 UNIT	50.10	401
WALL DEMO EQUIPMENT	10,066.00 SDOL	0.03	315
WALL DEMO OH	10,066.00 SDOL	0.07	735
Total Minor Item Code 0480.000 INTERIOR WALL DEMOLITION			\$11,543
Minor Item Code 0482.000 INTERIOR FLOOR DEMOLITION			
REMOVE CARPET	5,004.00 SQFT	0.56	2,825
REMOVE CERAMIC FLOORING	523.00 SQFT	2.30	1,201
REMOVE VINYL BASE	1,327.00 LNFT	1.08	1,440
FLOOR DEMO EQUIPMENT	5,243.00 SDOL	0.03	164
FLOOR DEMO OH	5,243.00 SDOL	0.07	383
Total Minor Item Code 0482.000 INTERIOR FLOOR DEMOLITION			\$6,012
Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			
DEMO AT SECURITY BOOTH RISERS	1.00 EACH	10,474.50	10,475
REMOVE COUNTERTOP	847.00 LNFT	7.91	6,702
REMOVE WOOD WALL CAP & TRIM	145.00 LNFT	5.39	782
SELECTIVE DEMO EQUIPMENT	12,519.00 SDOL	0.03	392
SELECTIVE DEMO OH	12,519.00 SDOL	0.07	914
Total Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION			\$19,264
Minor Item Code 0489.000 DEMOLITION PROTECTION			
TEMP. PART. 2X4	4,756.00 LNFT	2.29	10,911
TEMP. PART. VISQUEEN	7,080.00 SQFT	0.88	4,700
FLOOR PROTECTION	1,401.00 SQFT	1.89	2,363
DEMO PROTECTION EQUIPMENT	17,326.00 SDOL	0.03	542
DEMO PROTECTION OH	17,326.00 SDOL	0.07	1,265
Total Minor Item Code 0489.000 DEMOLITION PROTECTION			\$19,871
Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION			
DEMO AT NEW STAIR AT SEVENTH	3.00 EACH	5,457.22	16,372
DEMO AT BLEACHERS BETWEEN STAIRS SEVENTH	1.00 EACH	5,457.22	5,457
EXTERIOR BLDG DEMO EQUIPMENT	20,939.00 SDOL	0.03	655
EXTERIOR BLDG DEMO OH	20,939.00 SDOL	0.07	1,528
Total Minor Item Code 0490.000 EXTERIOR BUILDING DEMOLITION			\$24,012
Total Major Item Code 0480.000 DEMO			\$80,702
Major Item Code 0554.000 MISC. IRON - CARPENTER FABRICATIONS			
MODIFY STAIR RAILINGS	2.00 EACH	1,578.99	3,158
Total Minor Item Code 0554.000 METAL FABRICATIONS			\$3,158
Total Major Item Code 0554.000 MISC. IRON - CARPENTER FABRICATIONS			\$3,158
Major Item Code 0600.000 ROUGH CARPENTRY			
ROUGH CARPENTRY (GSF)	9,890.00 SQFT	1.04	10,102
BUILDBACK AT SECURITY RISERS	1.00 EACH	15,252.36	15,252
ROUGH CARPENTRY EQUIPMENT	21,718.00 SDOL	0.03	679
ROUGH CARPENTRY OH	21,718.00 SDOL	0.07	1,585

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Sort Sequences: 1. Sub, 2. Major Item Code, 3. Minor Item Code, 4. Not Used

Estimate File: 17 0508 Budget est - Camp Randall Press Box Budget Sept 2017, Estimator: Primary Project City:0 SQFT, Secondary Project City:0, Estimate Unit: Imperial

Report includes T&I AND Indirect Costs

Description	Quantity	Unit \$	Total \$
Total Minor Item Code 0600.000 ROUGH CARPENTRY			\$27,618
Total Major Item Code 0600.000 ROUGH CARPENTRY			\$27,618
Major Item Code 0620.000 FINISH CARPENTRY			
Minor Item Code 0620.000 INTERIOR TRIM			
WALL CAP/TRIM	497.00 LNFT	54.05	26,861
FINISH CARPENTRY EQUIPMENT	25,766.00 SDOL	0.03	806
FINISH CARPENTRY OH	25,766.00 SDOL	0.07	1,880
Total Minor Item Code 0620.000 INTERIOR TRIM			\$29,547
Total Major Item Code 0620.000 FINISH CARPENTRY			\$29,547
Major Item Code 0640.000 CUSTOM WOODWORK			
Minor Item Code 0640.000 CUSTOM WOODWORK			
PLAM STANDARD BASE CABINET	80.00 LNFT	188.20	15,056
WALL-MOUNTED CORIAN COUNTERTOP	800.00 LNFT	182.85	146,283
WALL-MOUNTED PLAM COUNTERTOP	172.00 LNFT	51.04	8,779
COUNTERTOP SUPPORT BRACKETS	201.00 EACH	122.52	24,627
PLAM STANDARD WALL CABINET	40.00 LNFT	193.55	7,754
CASEWORK EQUIPMENT	104,302.00 SDOL	0.03	6,077
CASEWORK OH	104,302.00 SDOL	0.07	14,179
Total Minor Item Code 0640.000 CUSTOM WOODWORK			\$222,815
Total Major Item Code 0640.000 CUSTOM WOODWORK			\$222,815
Major Item Code 0740.000 PREFORMED ROOFING & SIDING			
Minor Item Code 0740.000 PREFORMED ROOFING & SIDING			
SHEETMETAL WRAP BEAMS IN STAIRS	240.00 SQFT	20.85	5,004
EXTERIOR SOFFIT PANELS	1,034.00 SQFT	31.28	32,338
REPAINT EXTERIOR SOFFIT PANELS	2,162.00 SQFT	8.34	17,948
REPLACE CORRUGATED WALL PANELS	1,995.00 SQFT	20.00	51,995
Total Minor Item Code 0740.000 PREFORMED ROOFING & SIDING			\$107,285
Total Major Item Code 0740.000 PREFORMED ROOFING & SIDING			\$107,285
Major Item Code 0790.000 CAULKING & SEALANTS			
Minor Item Code 0790.000 CAULKING & SEALANTS			
CAULK HOLLOW METAL FRAME	13.00 EACH	29.17	379
Total Minor Item Code 0790.000 CAULKING & SEALANTS			\$379
Total Major Item Code 0790.000 CAULKING & SEALANTS			\$379
Major Item Code 0800.000 METAL DOORS & FRAMES			
Minor Item Code 0800.000 METAL DOORS & FRAMES			
HOLLOW METAL DOORS	9.00 UNIT	452.77	4,075
GROUT H.M. FRAMES	13.00 UNIT	74.43	968
HOLLOW METAL ACCESSORIES	13.00 UNIT	6.60	86
HOLLOW METAL FRAMES	13.00 UNIT	260.30	3,384
HOLLOW METAL INSTALL EQUIPMENT	8,165.00 SDOL	0.03	255
HOLLOW METAL INSTALL OH	8,165.00 SDOL	0.07	596
Total Minor Item Code 0800.000 METAL DOORS & FRAMES			\$9,363

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