

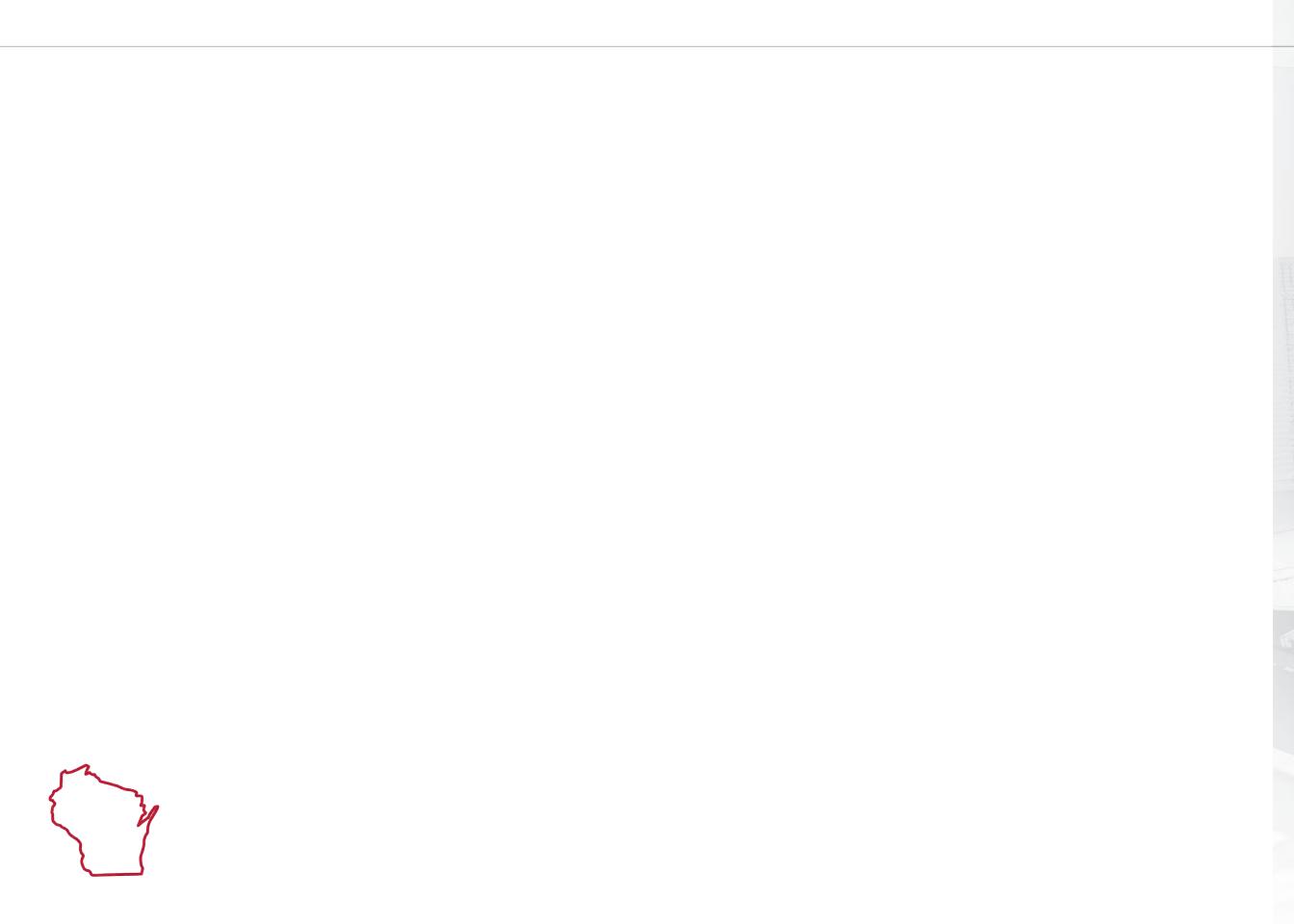
CAMP RANDALL SOUTH END ZONE RENOVATION FEASIBILITY STUDY

JANUARY 2018 DFD # 17B1S









UNIVERSITY OF WISCONSIN - MADISON CAMP RANDALL SOUTH END ZONE RENOVATION FEASIBILITY STUDY JANUARY 2018

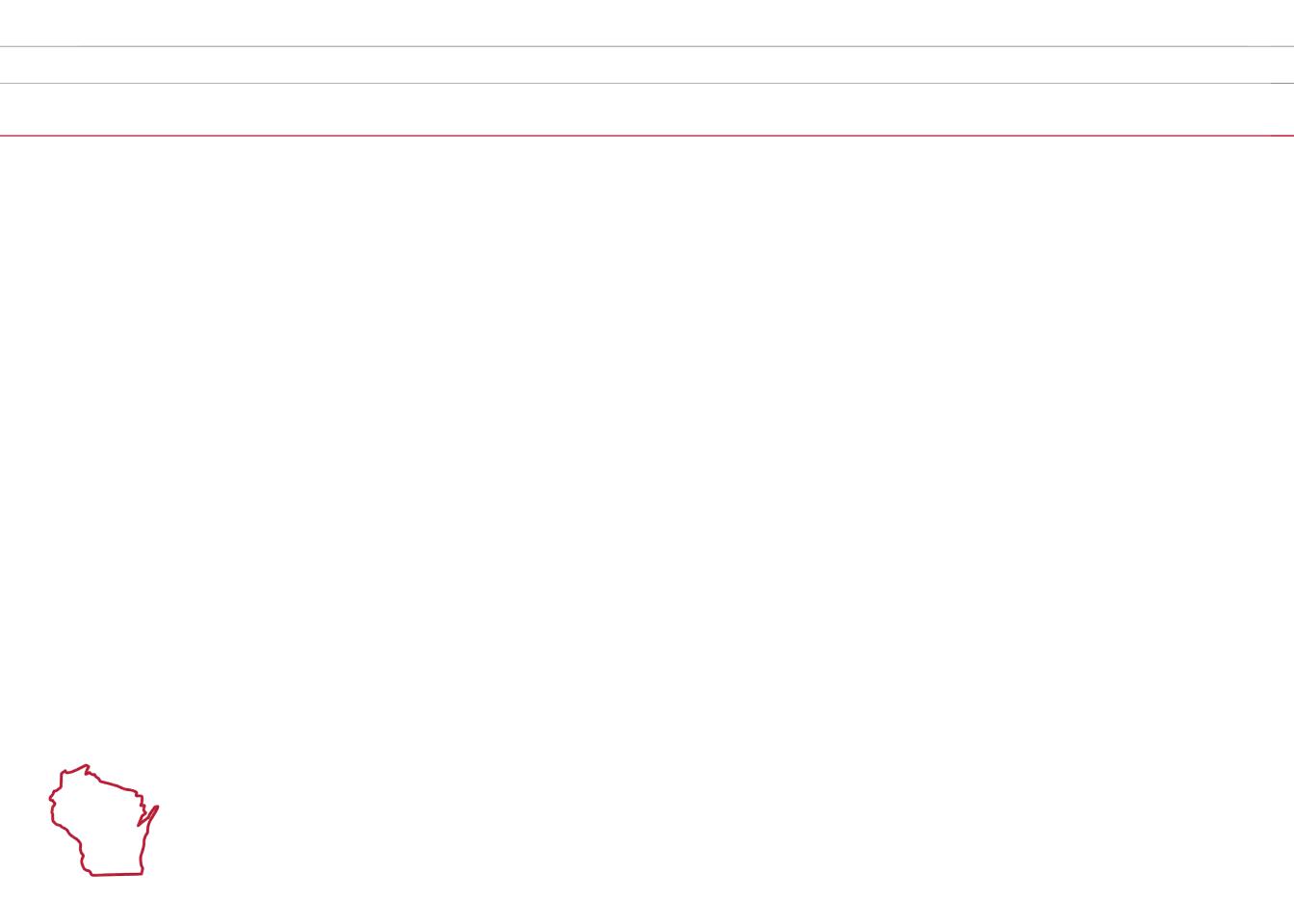


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PRFPARFD FOR:

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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 of 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*



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*



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 —

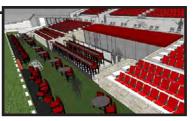
Provide exterior envelope restoration and window replacement for the Field House West, South, and East facades. Construct south plaza as delineated in the Athletics Master Plan. This Option is highly recommended as the Field House is one of the most historically iconic buildings on campus and needs care.

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*











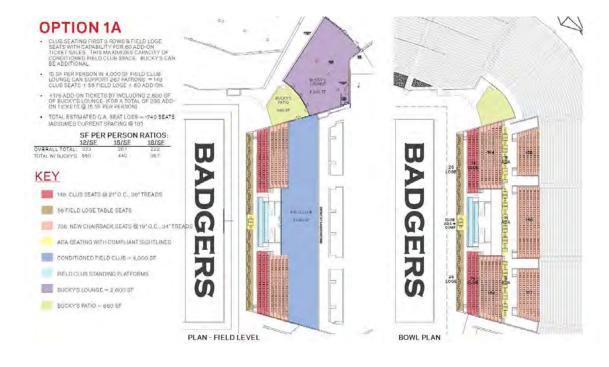


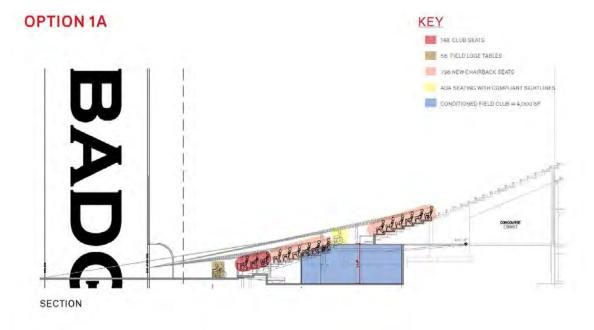
^{*} NOTE: All estimated construction costs are in 2020 dollars. Detailed estimates provided in section 1.05

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







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.

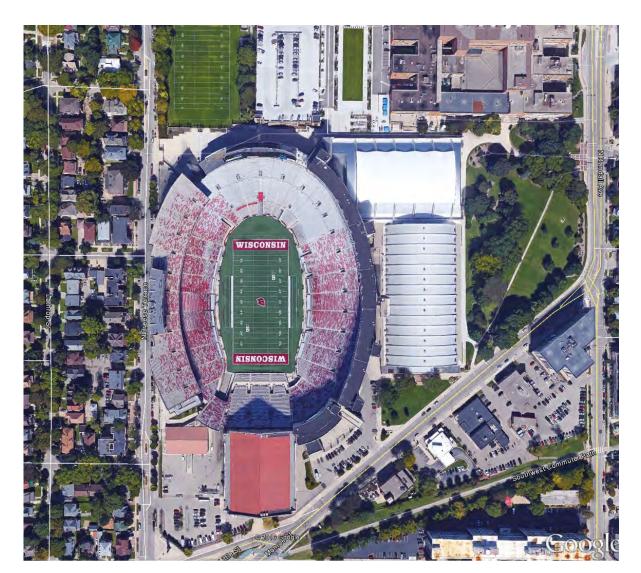
The stadium also houses athletic offices of the University. In 2002, a large-scale reconstruction project commenced, which added luxury boxes, a five-story office building, and separate football program offices. In addition, concessions, restrooms and other infrastructure items were upgraded, the walkway 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

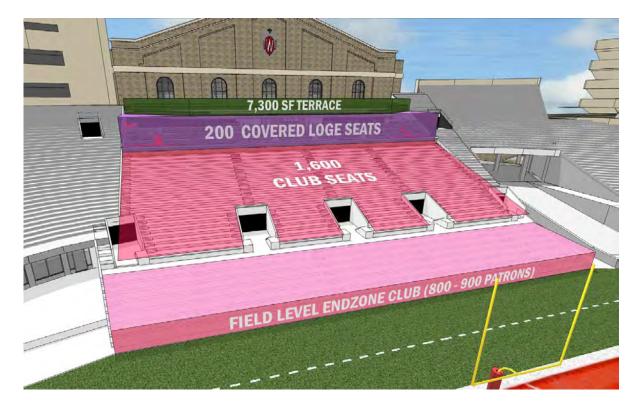




PREMIUM SEAT OPTIONS

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.





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.



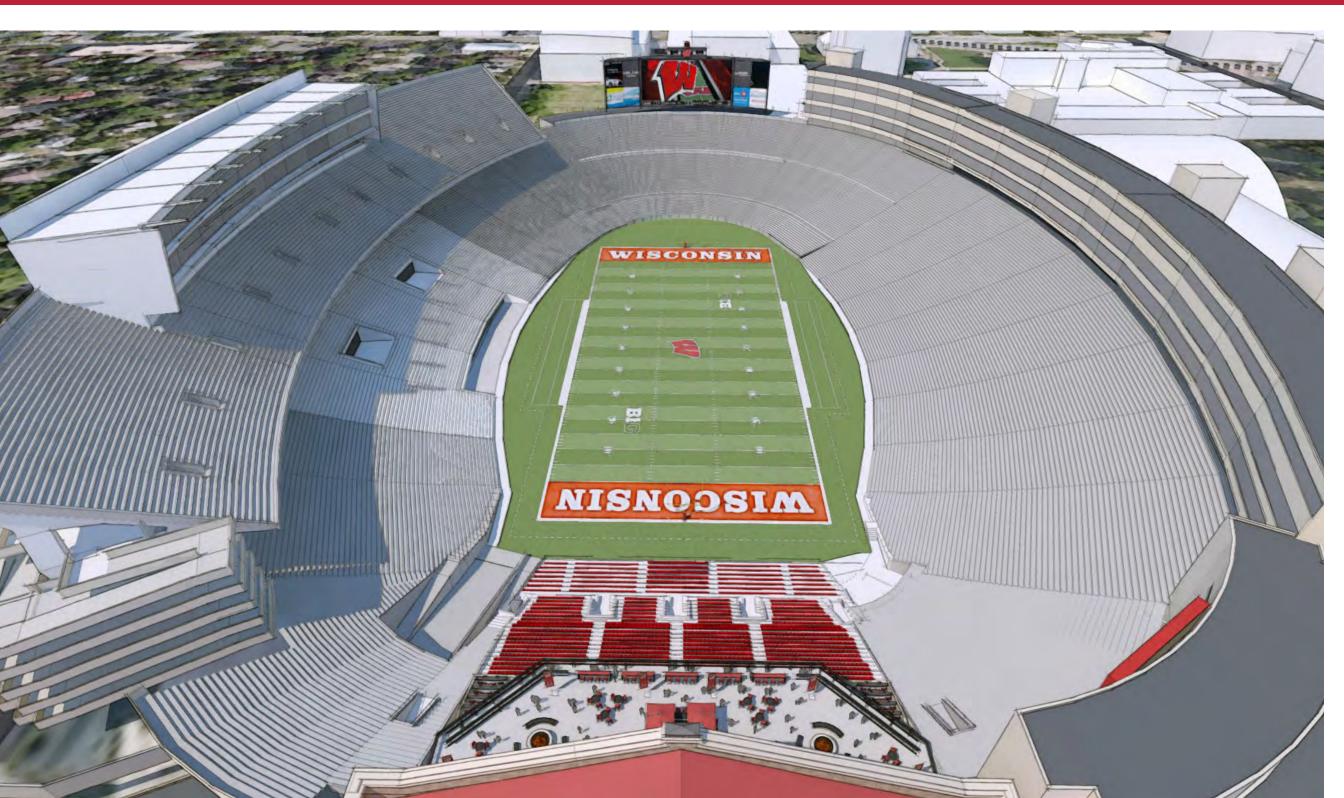


CAMP RANDALL STADIUM - SOUTH ENDZONE

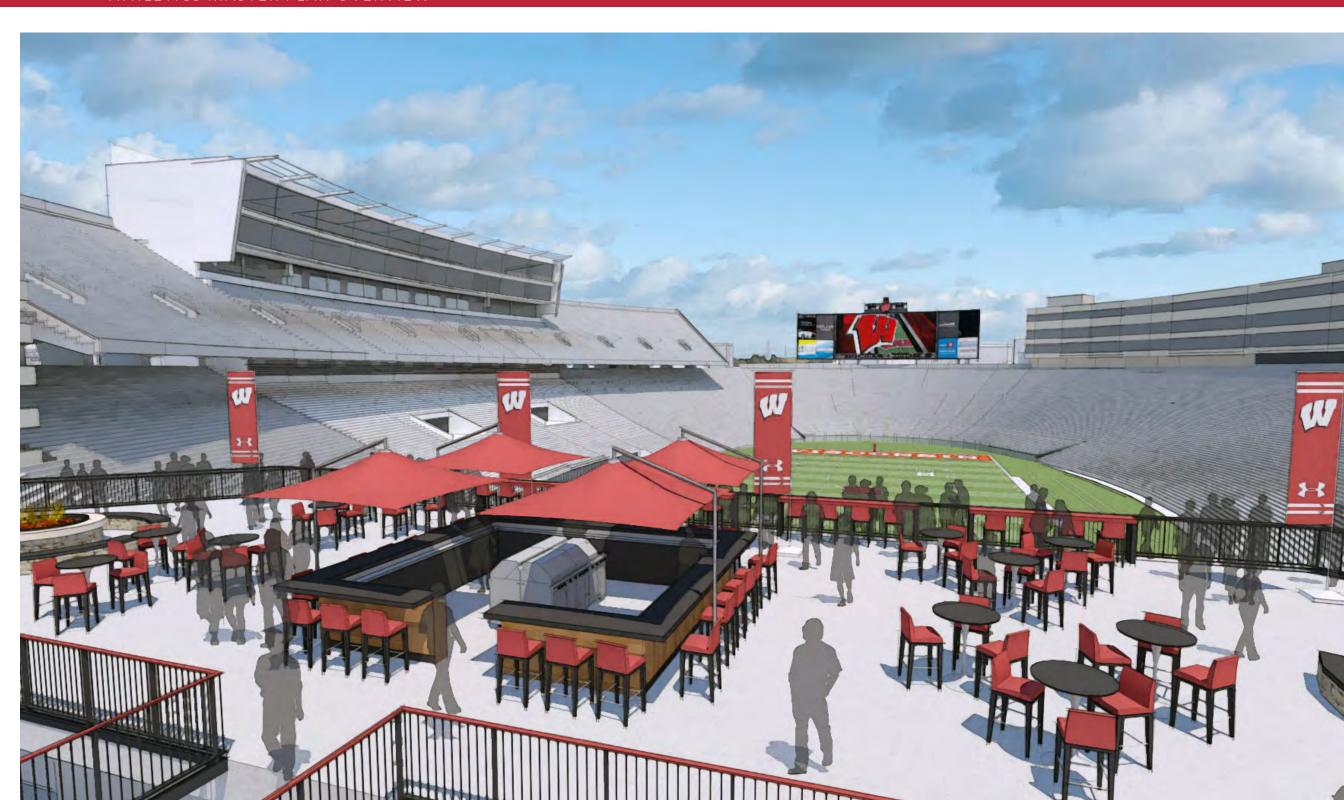
SEATING ENHANCEMENTS



ATHLETIC MASTER PLAN OVERVIEW



ATHLETICS MASTER PLAN OVERVIEW

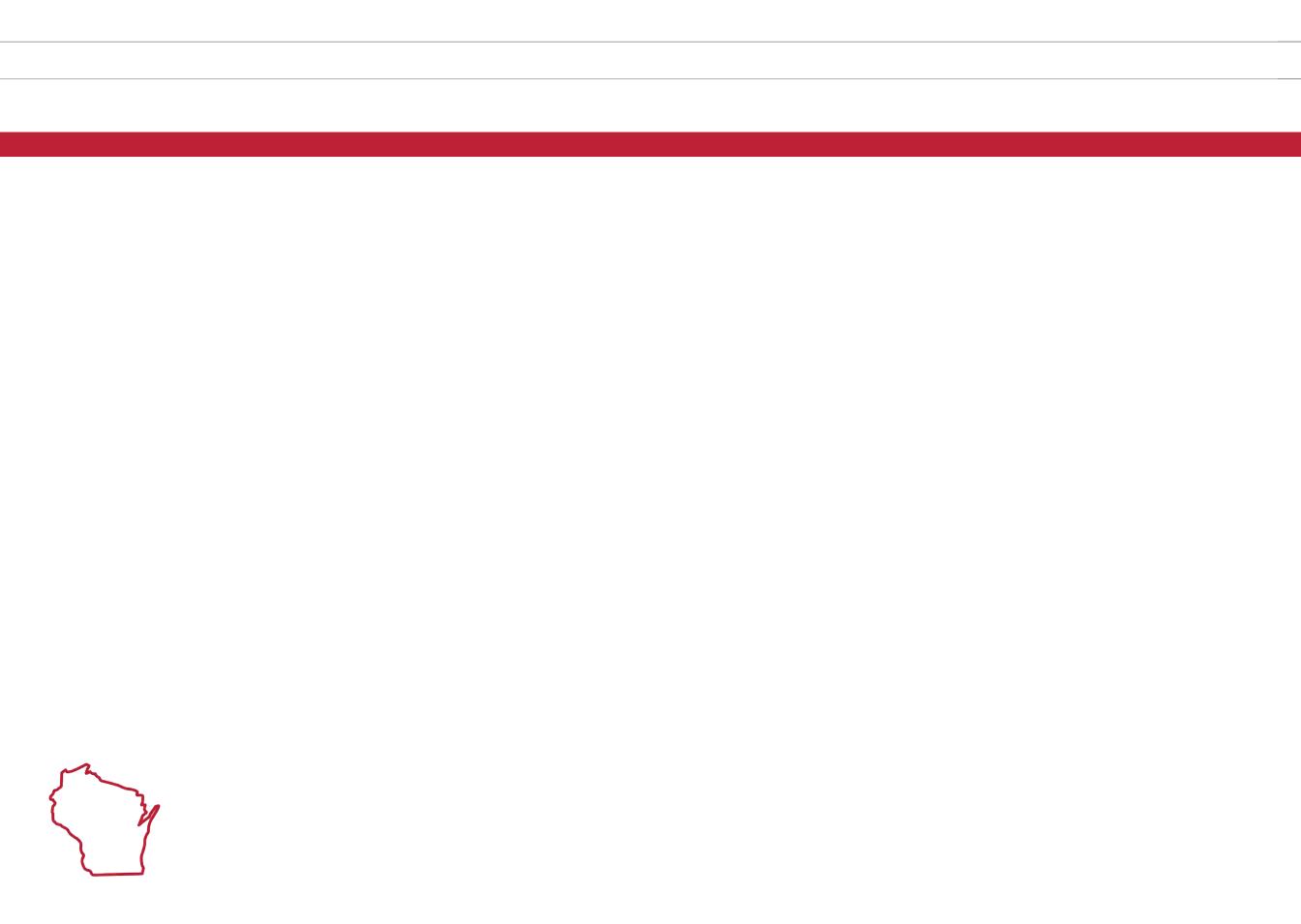






SECTION / 03

PREMIUM SEATING OPTIONS

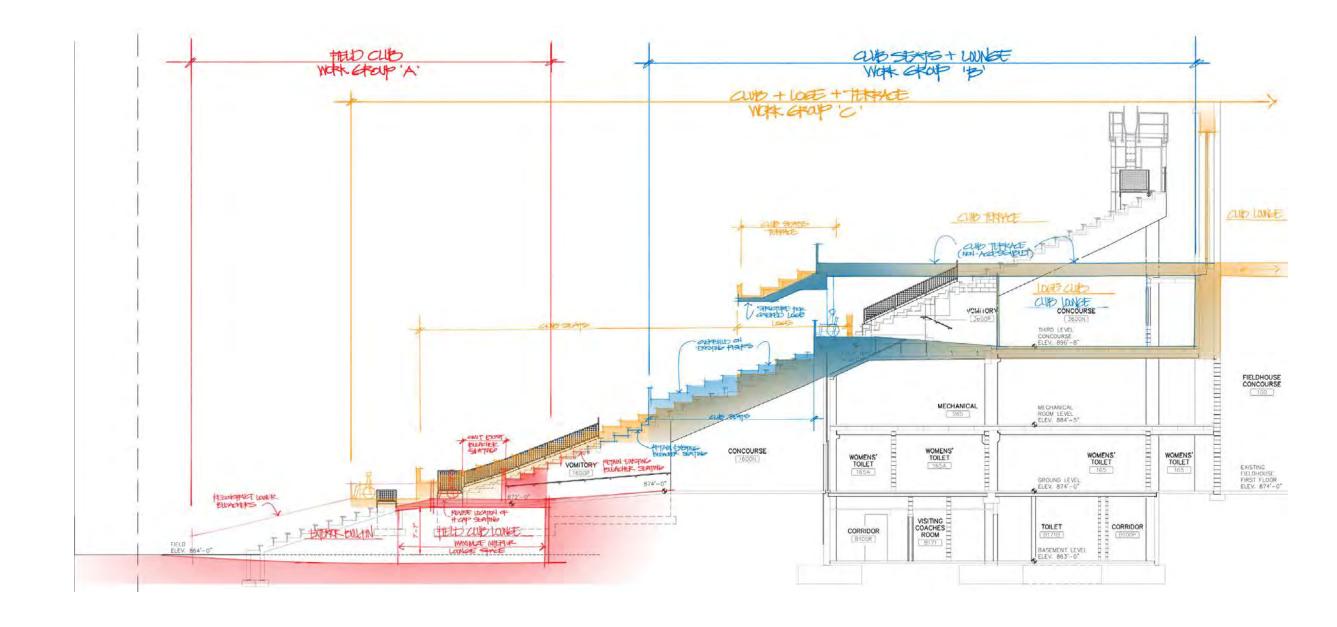


COMPONENTIZED PHASING

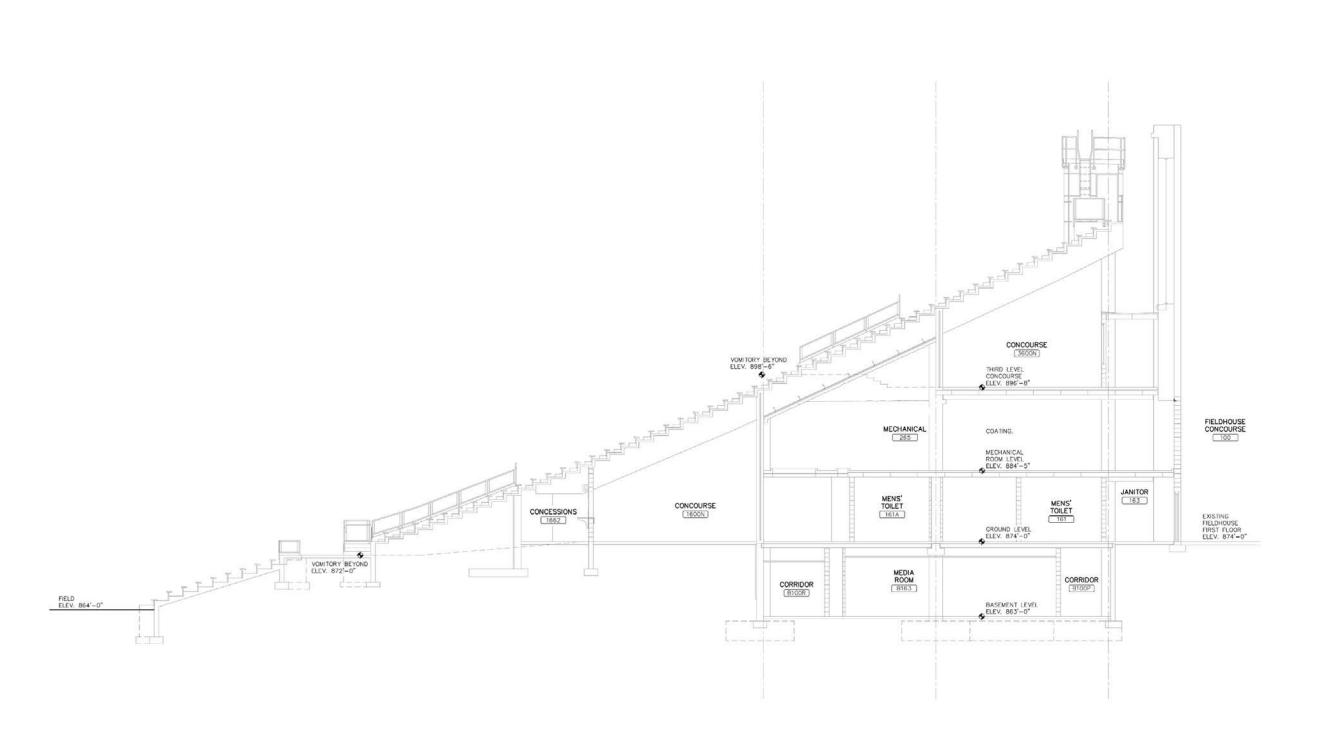
PREMIUM SEATING OPTIONS SECTION SKETCH

CONCEPT SKETCH

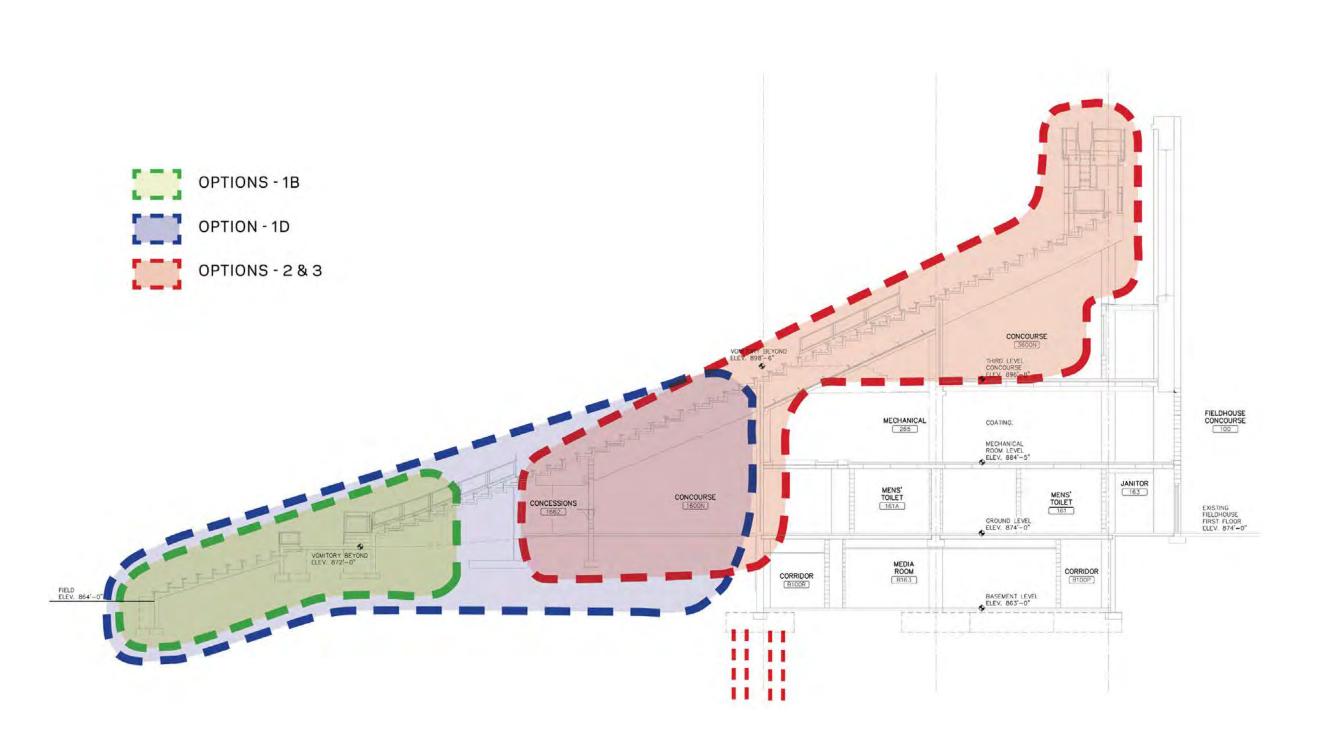
To maximize fiscal flexibility for the future South End Zone, HOK began to look at the entire project as a series of componentized smaller segments that could be either executed in phases or combined into larger endeavors.



EXISTING SECTION



SELECTIVE DEMOLITION SECTION DIAGRAM

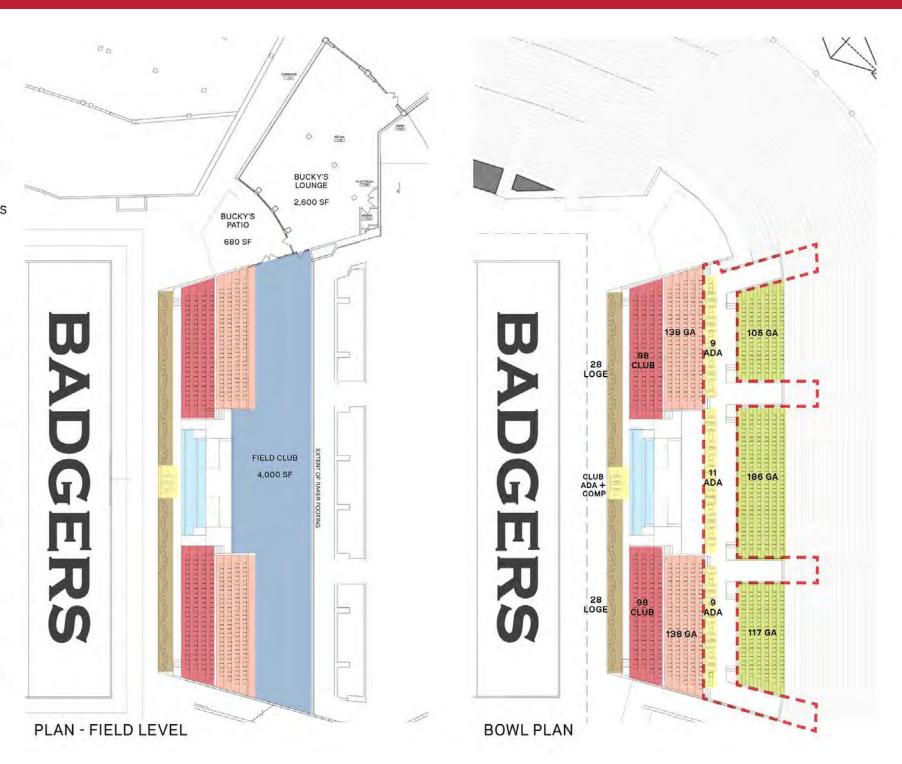


OPTION 1B

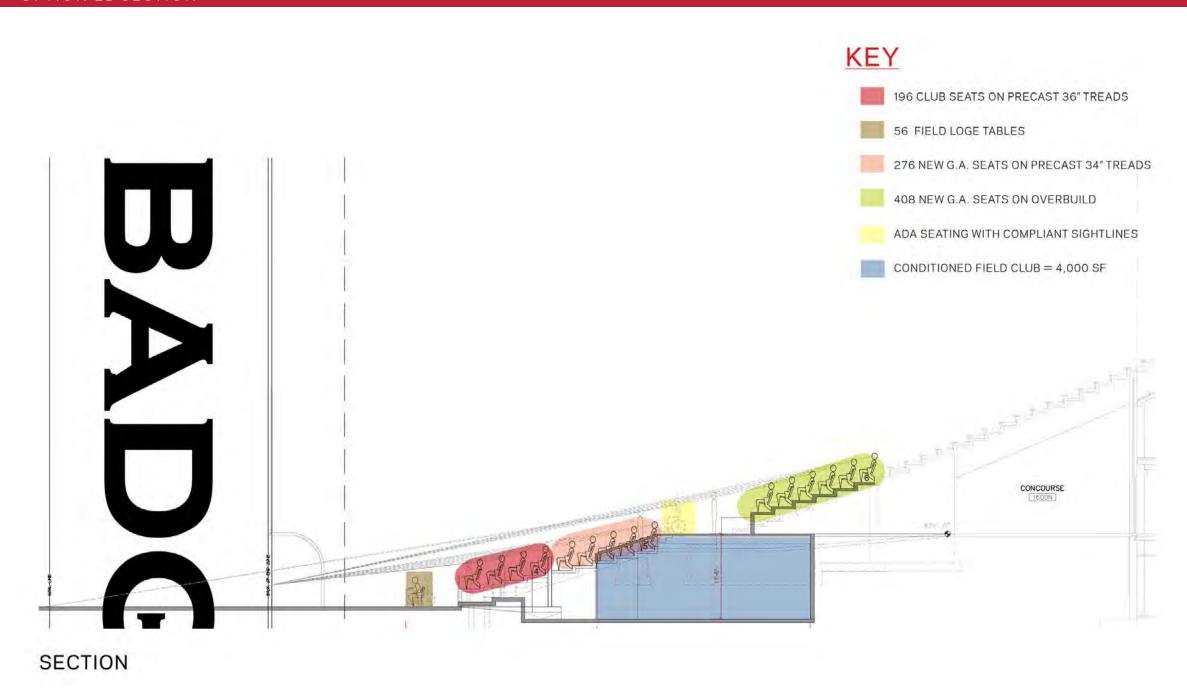
- CLUB SEATING FIRST 4 ROWS AND FIELD LOGE SEATING MAXIMIZES CAPACITY OF 4,000 SF CONDITIONED FIELD CLUB SPACE WITH NO CAPACITY FOR ADD-ON TICKETS. BUCKY'S CAN BE ADDITIONAL.
- 15.8 SF PER PERSON IN 4,000 SF CONDITIONED FIELD CLUB SPACE WITH 196 CLUB SEATS + 56 FIELD LOGE TABLE SEATS
- TOTAL ESTIMATED 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

KE)	<u>(</u>
	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



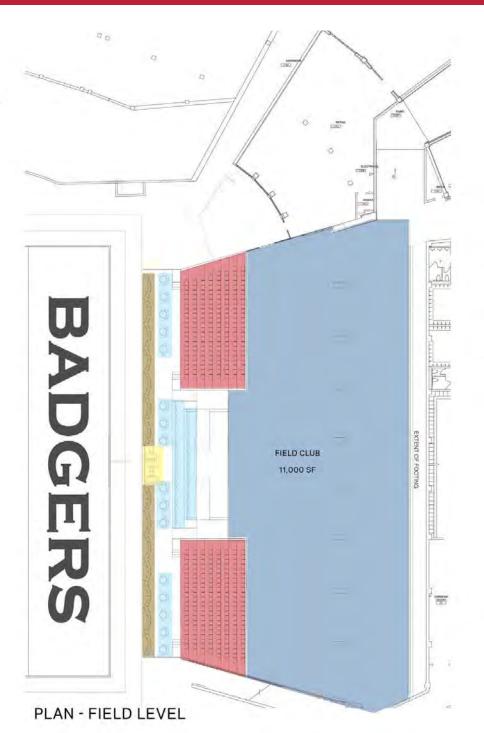
OPTION 1B SECTION

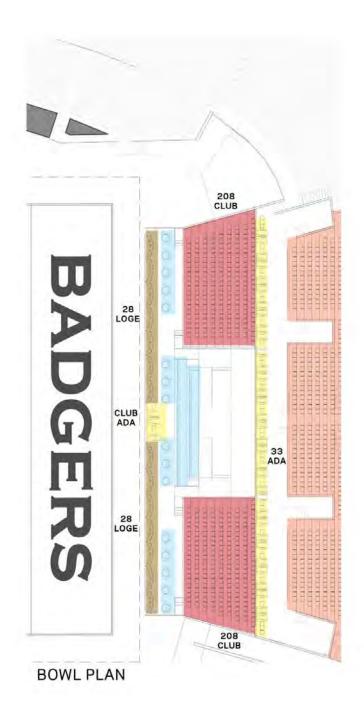


- CLUB SEATING FOR ENTIRE LOWER SECTIONS (9
 ROWS), FIELD LOGE TABLE SEATING, AND ADD-ON
 TICKET SALES UTILIZE 11,000 SF OF CONDITIONED
 CLUB SPACE.
- 472 FIXED SEATS (CLUB & FIELD LOGE) WITH THE ADD-ON QUANTITY PER SF RATIO TABLE BELOW.
- IN ORDER TO ACHIEVE 11,000SF CLUB, EXISTING BOWL AND STRUCTURE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

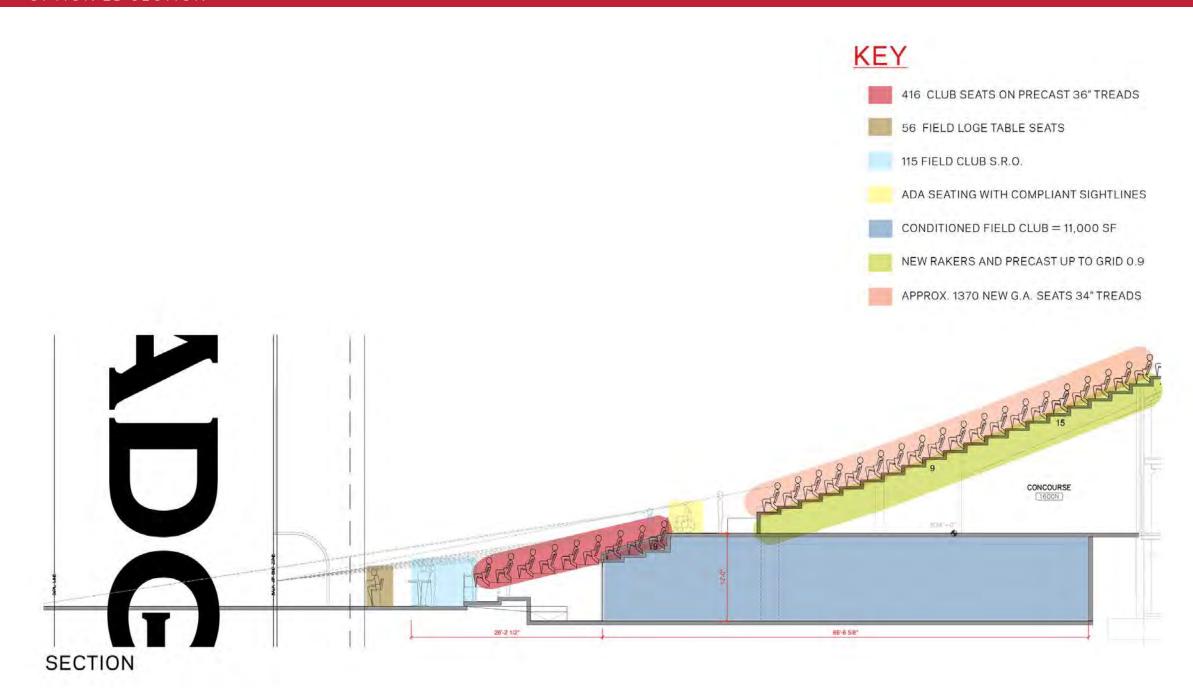
	SF PER	PERSON	RATIOS:
	12/SF	15/SF	18/SF
OVERALL TOTAL:	916	733	611
POTENTIAL ADD-ONS	444	261	139

KE'	<u>Y</u>
	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





OPTION 1D SECTION

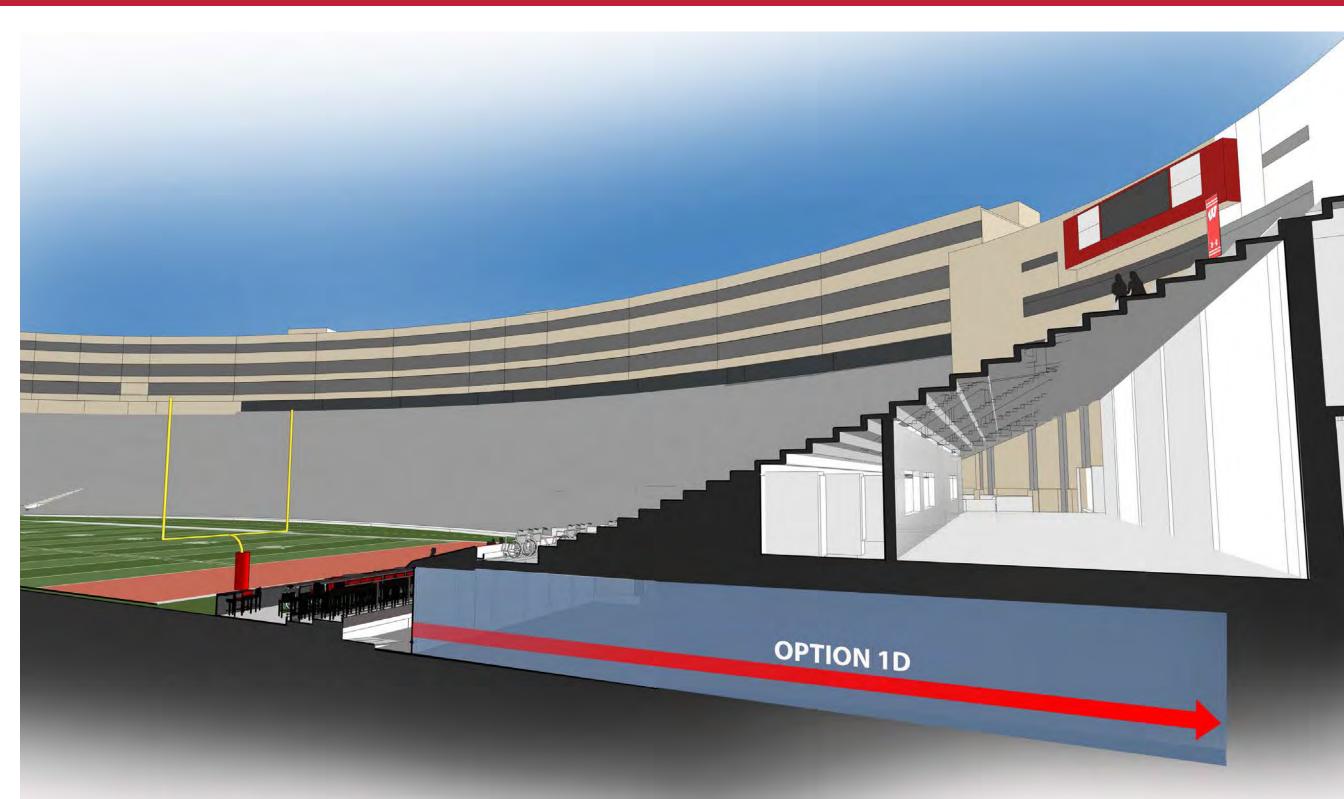


FIELD LEVEL CLUB SCOPE

OPTION 1B

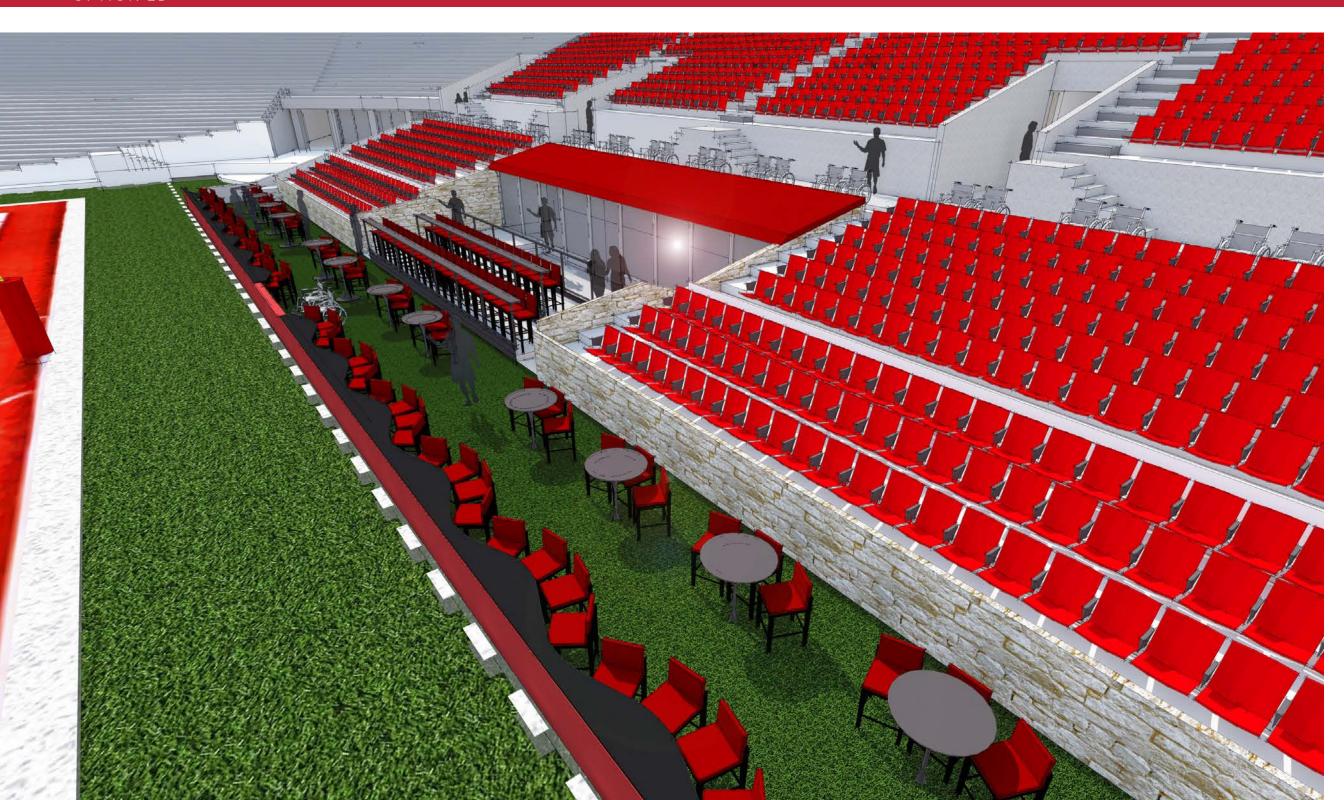


FIELD LEVEL CLUB SCOPE

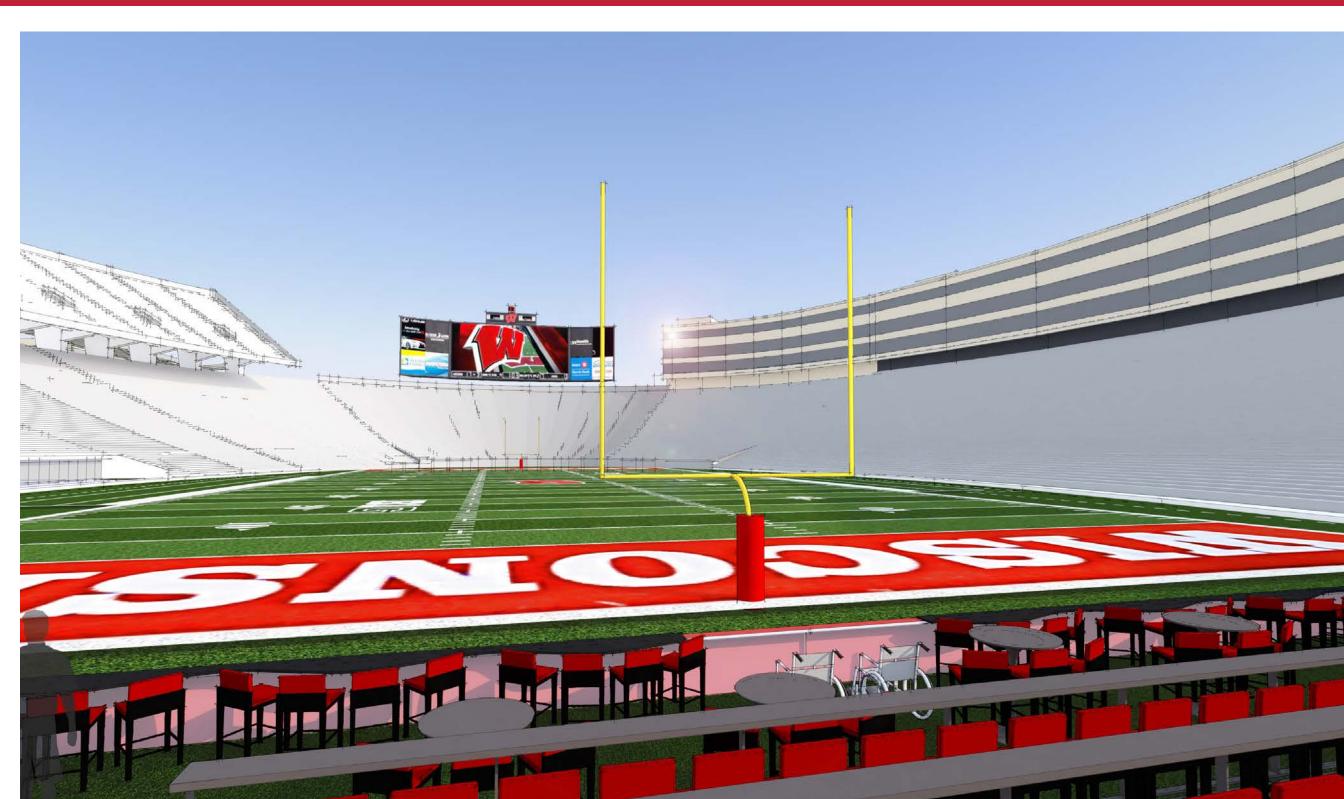








OPTION 1D



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

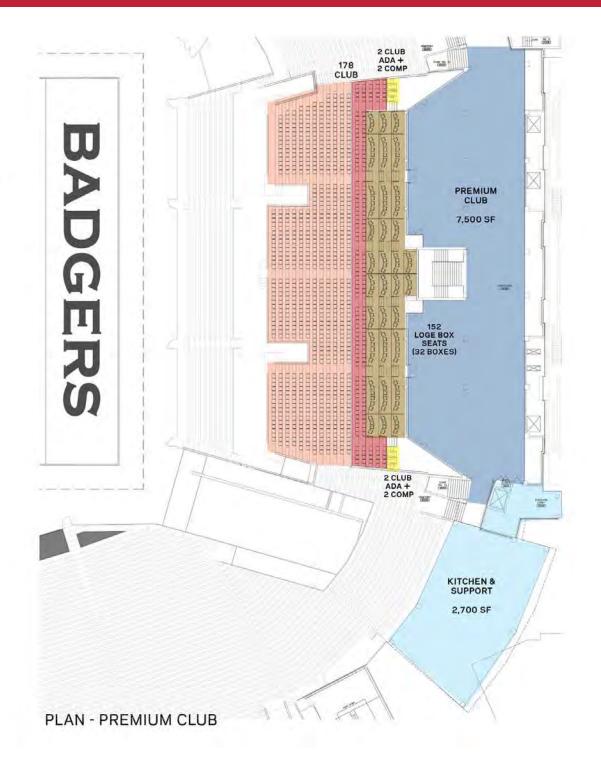
ADA SEATS + COMPANIONS

152 LOGE BOX SEATS (32 BOXES)

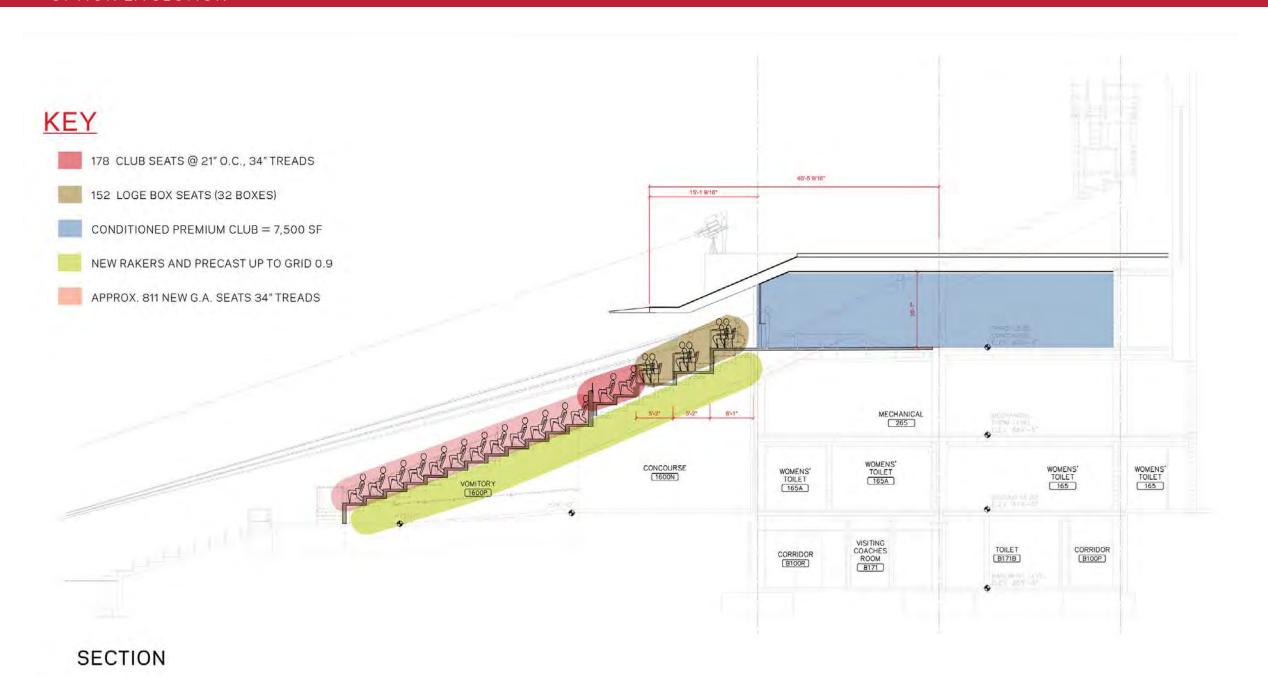
CONDITIONED PREMIUM CLUB = 7,500 SF

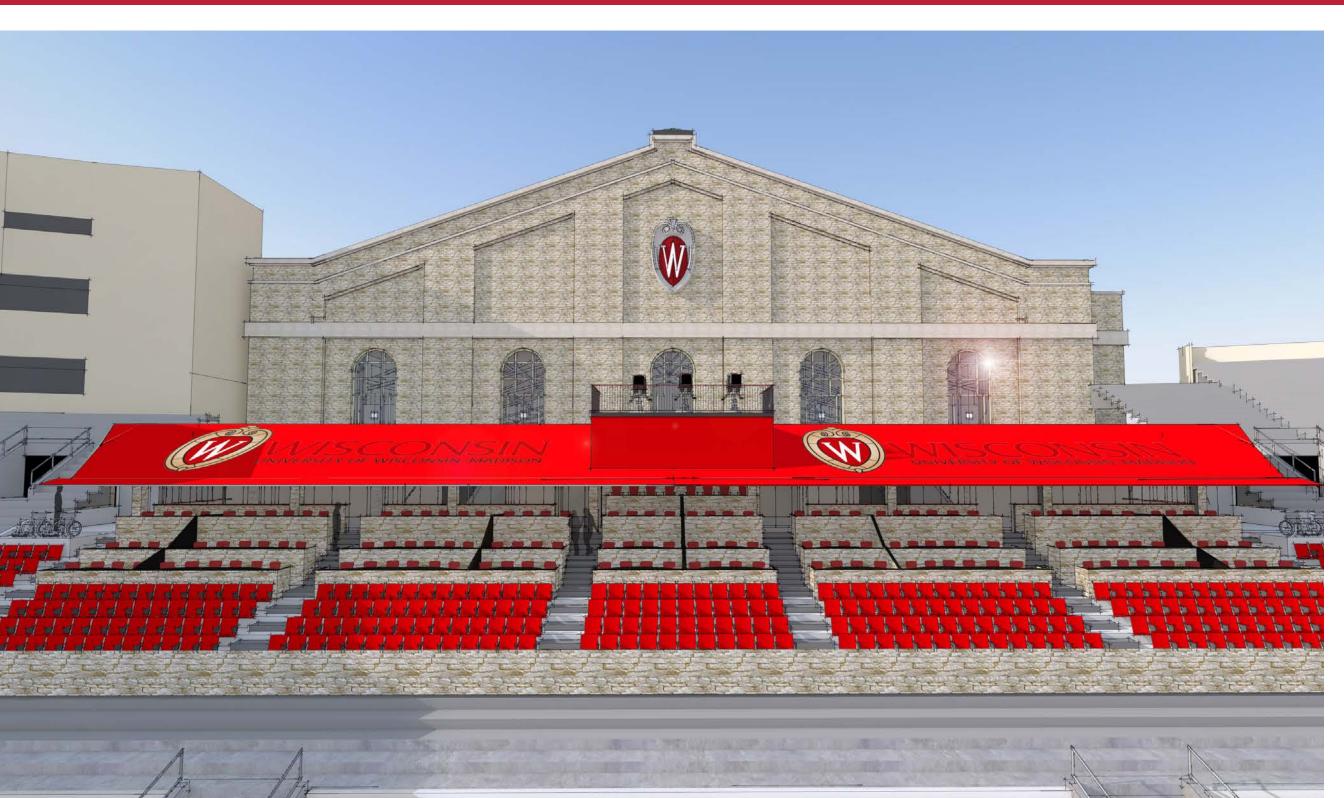
CLUB SUPPORT SPACE = 2,700 SF

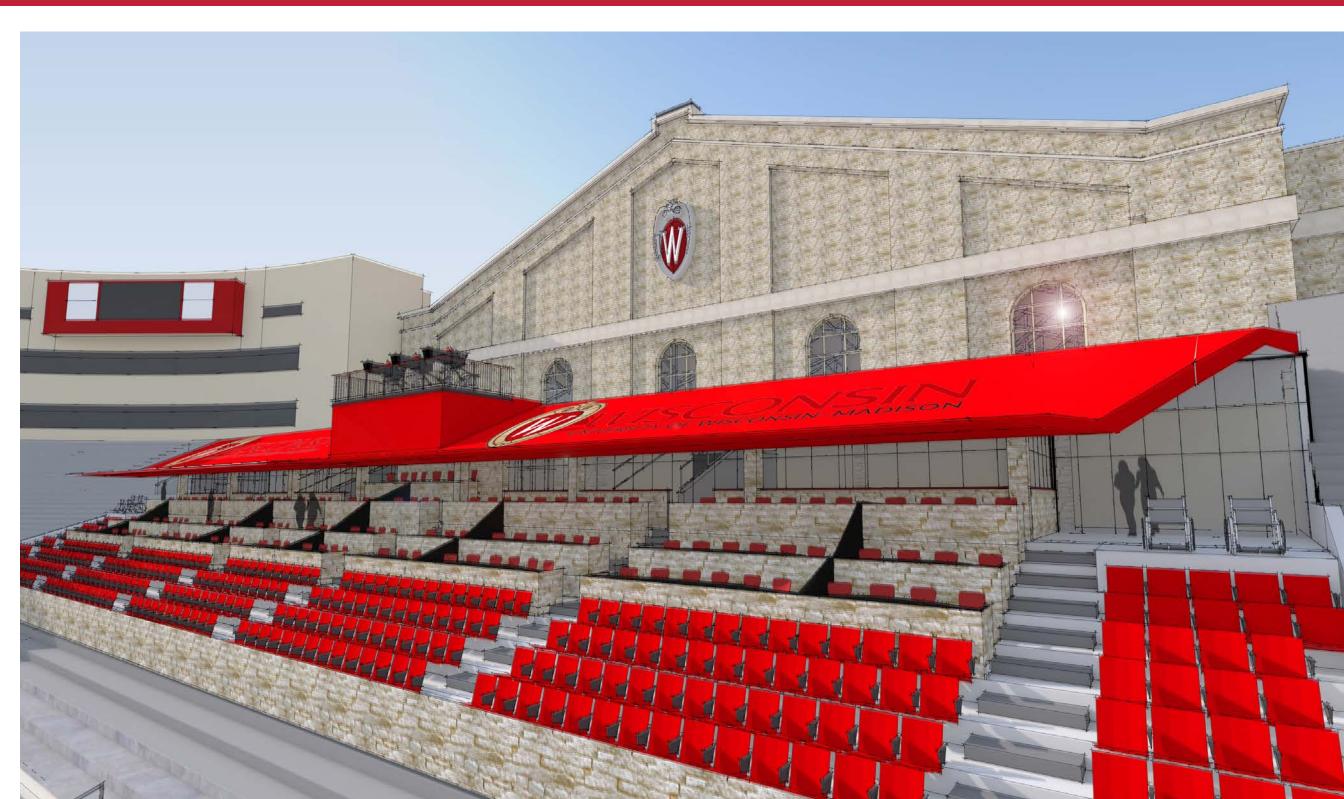
APPROX. 811 NEW G.A. SEATS 34" TREADS

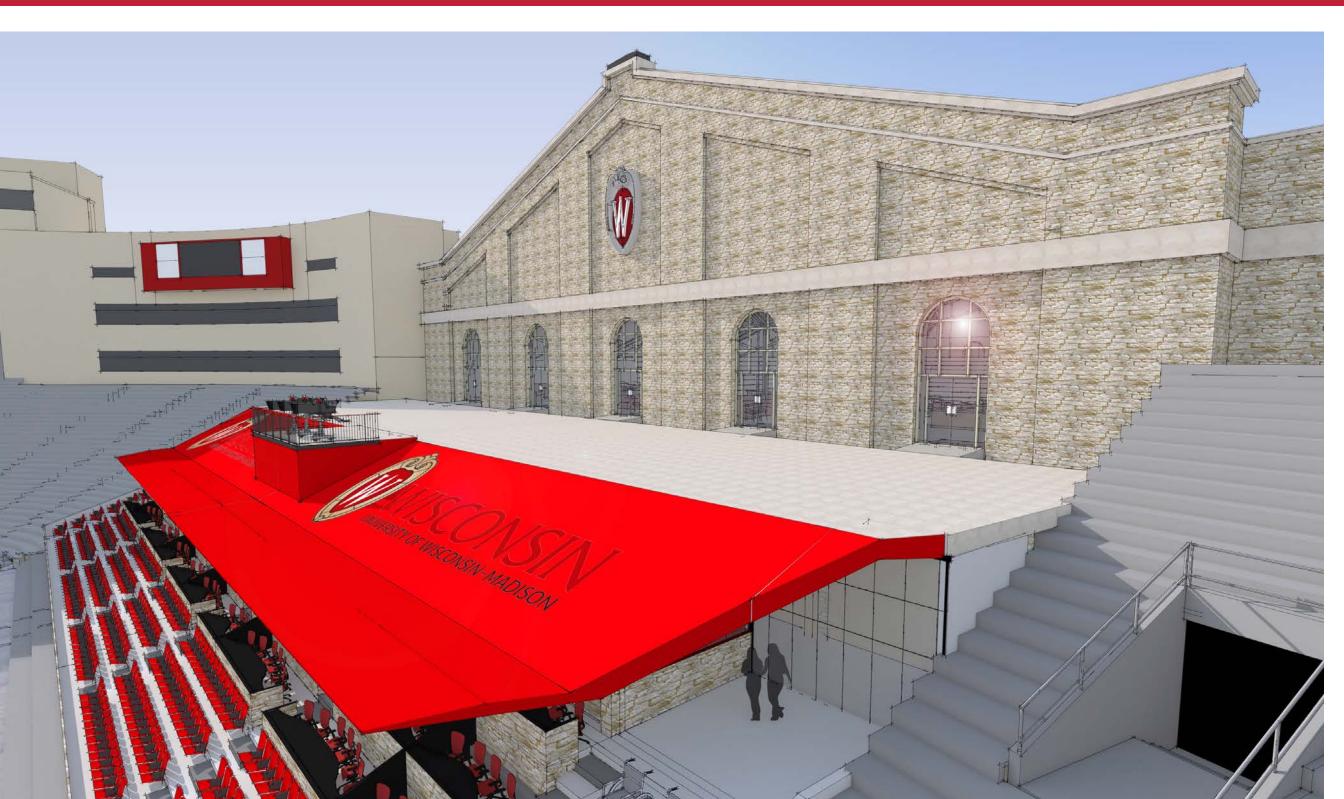


OPTION 2A SECTION











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: 30/SF 20/SF 40/SF

OVERALL TOTAL: 510

255



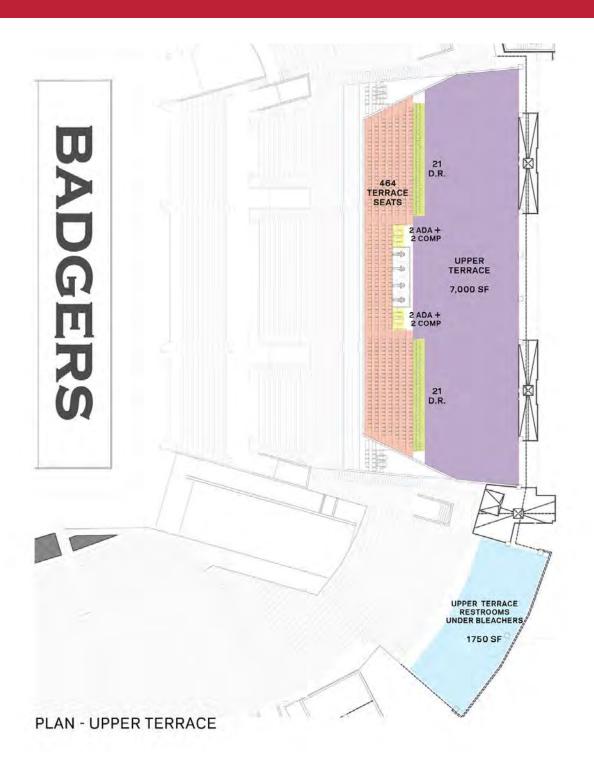
464 TERRACE SEATS @ 19" O.C., 34" TREADS

ADA SEATS + COMPANIONS

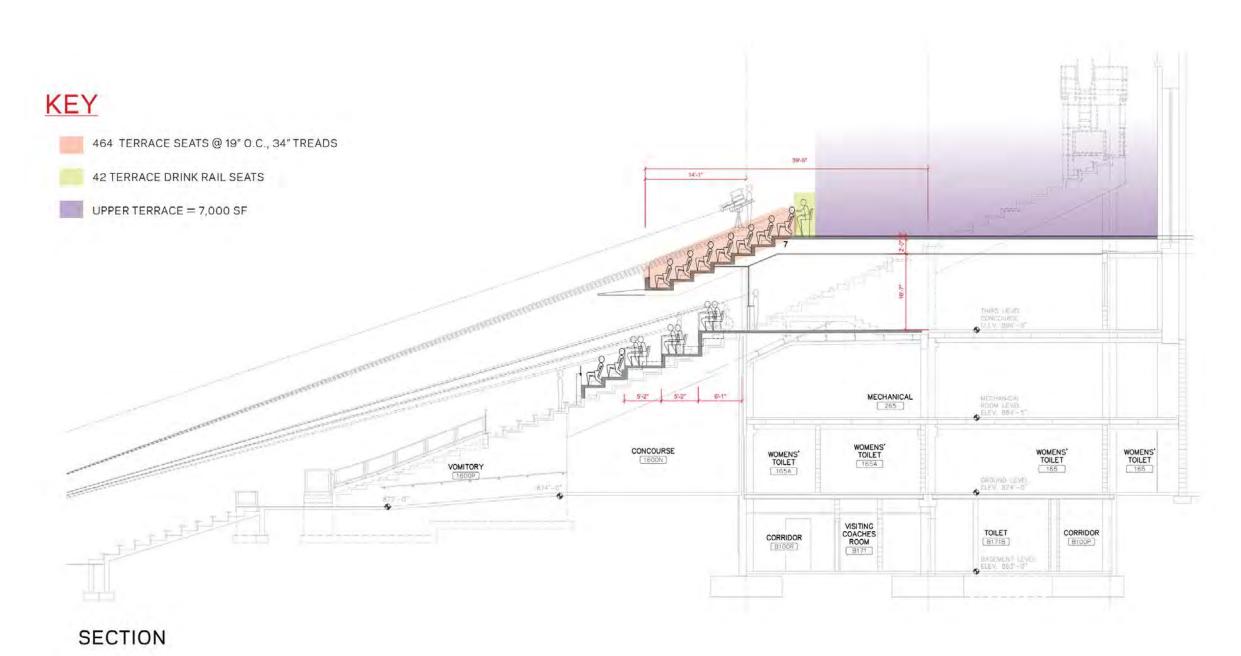
42 TERRACE DRINK RAIL SEATS

UPPER TERRACE SUPPORT SPACE = 1,750 SF

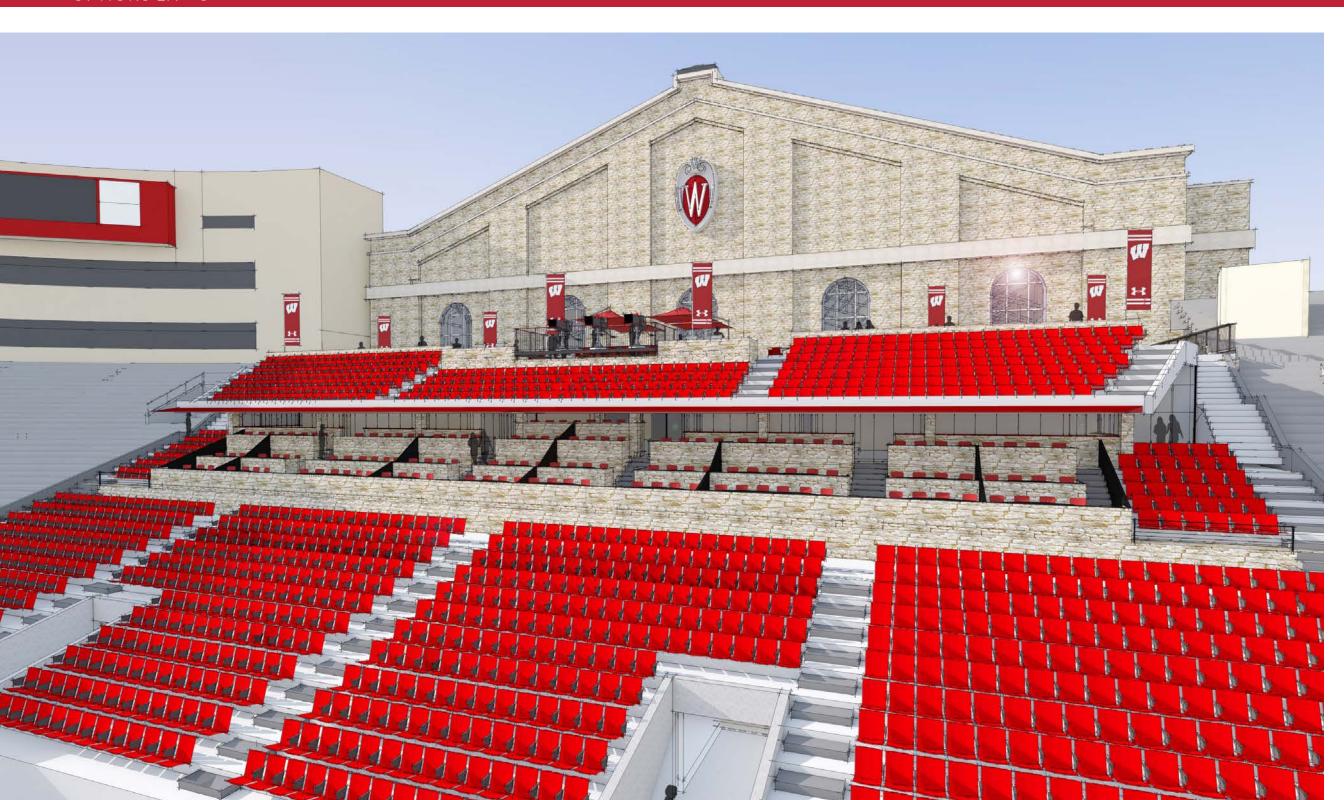
UPPER TERRACE = 7,000 SF



OPTION 3 SECTION

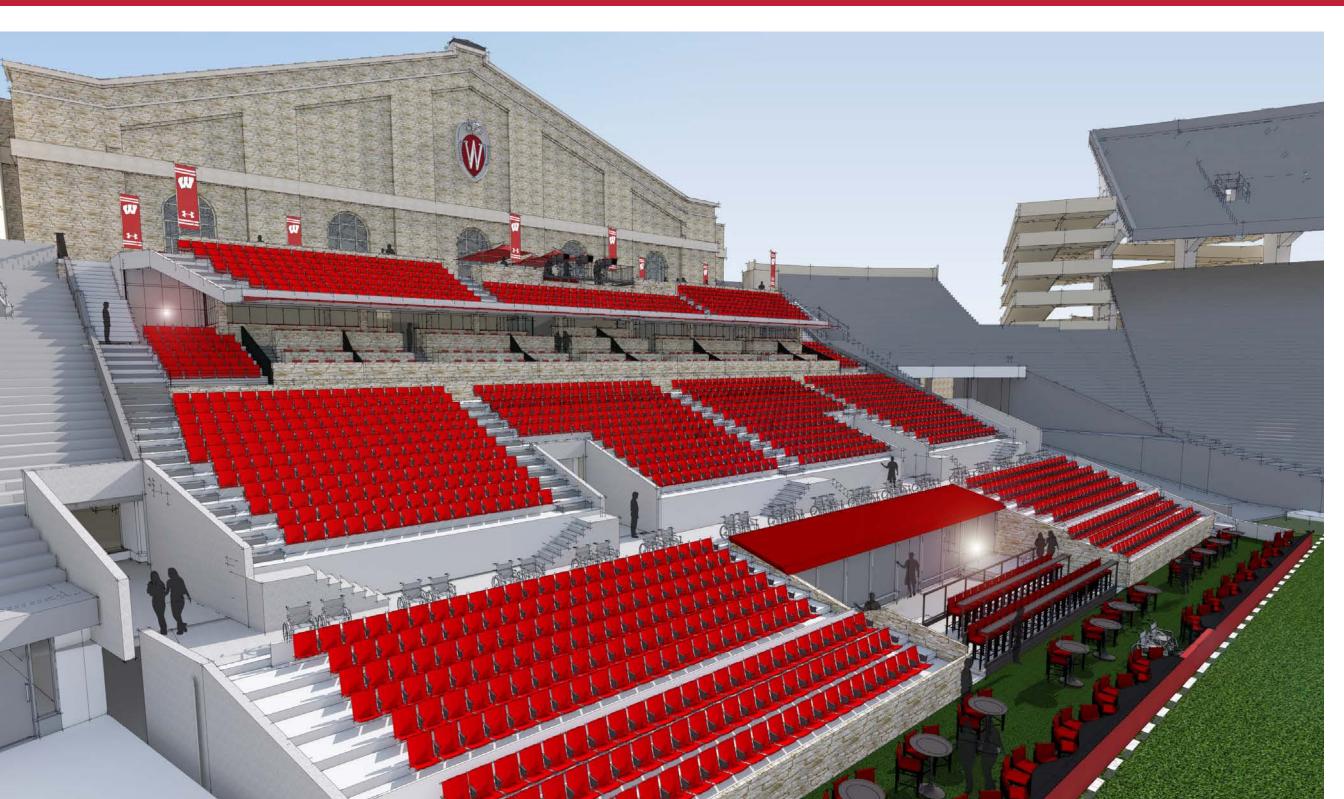


OPTIONS 2A + 3

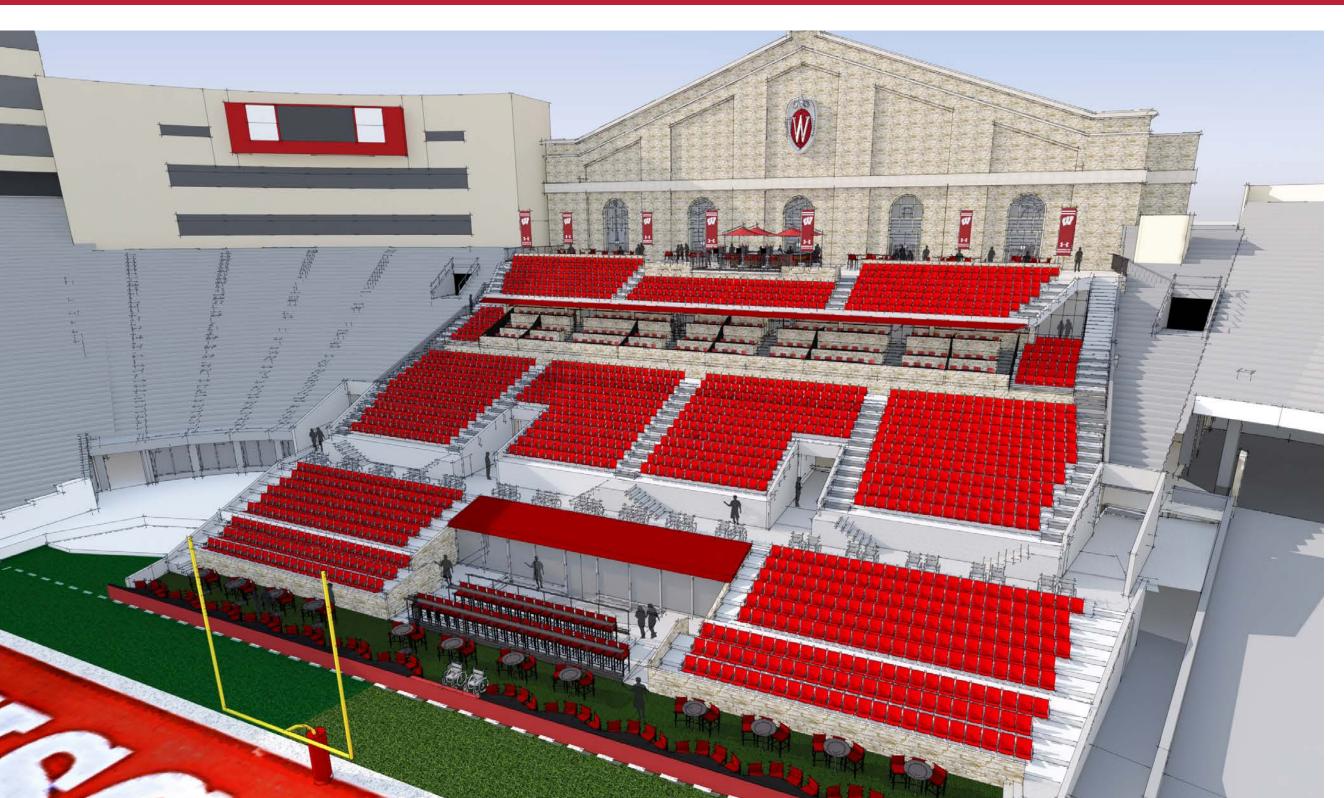


OPTIONS 2A + 3











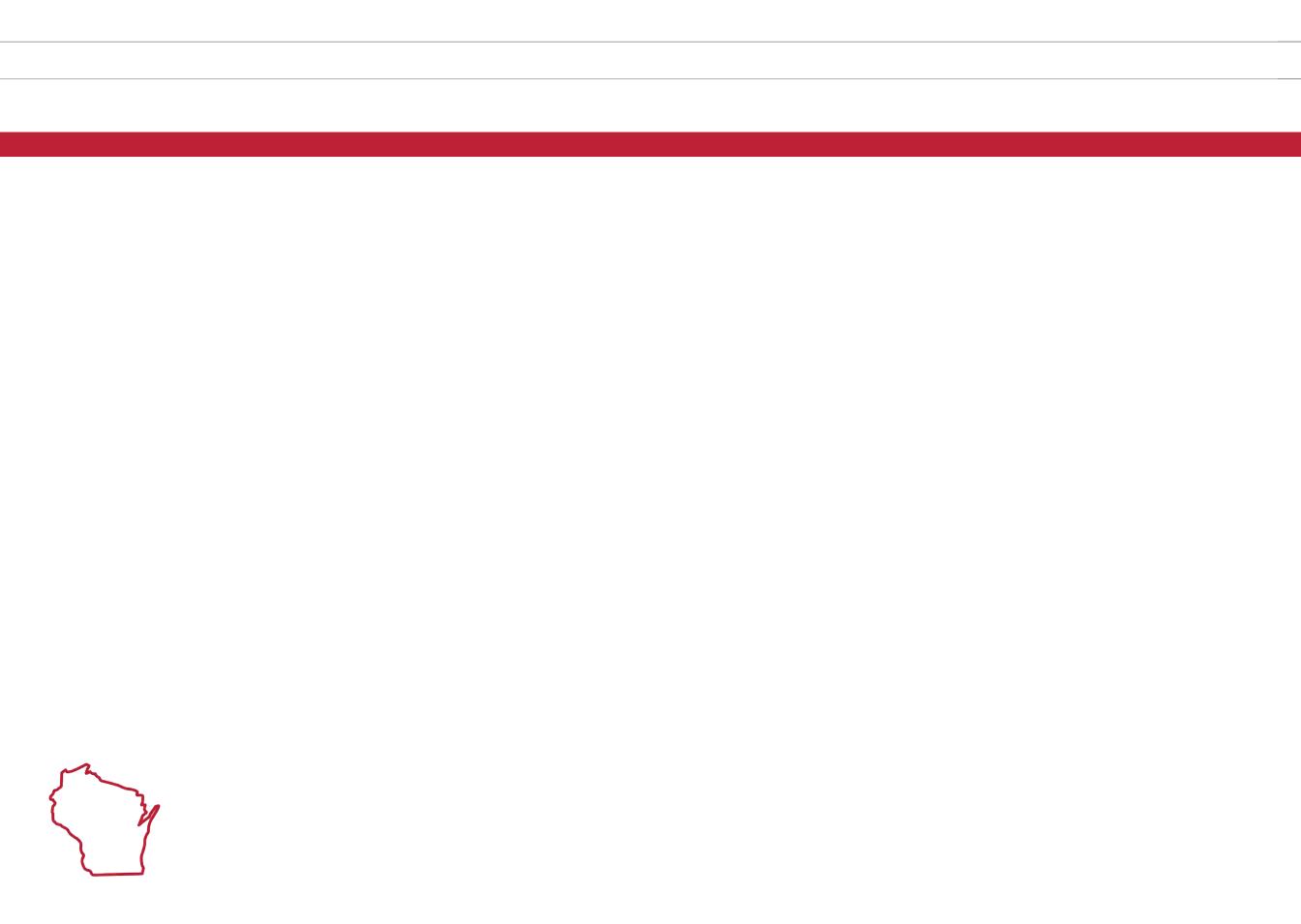






SECTION / 04

SYSTEM 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.

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.

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 southwest 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

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 – 43.069932ºN, 89.412630ºW
		Soil Classification – C (verified)
		$S_s = 0.084g$, $S_1 = 0.046g$
		S _{Ds} = 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 = 2.7Hz 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

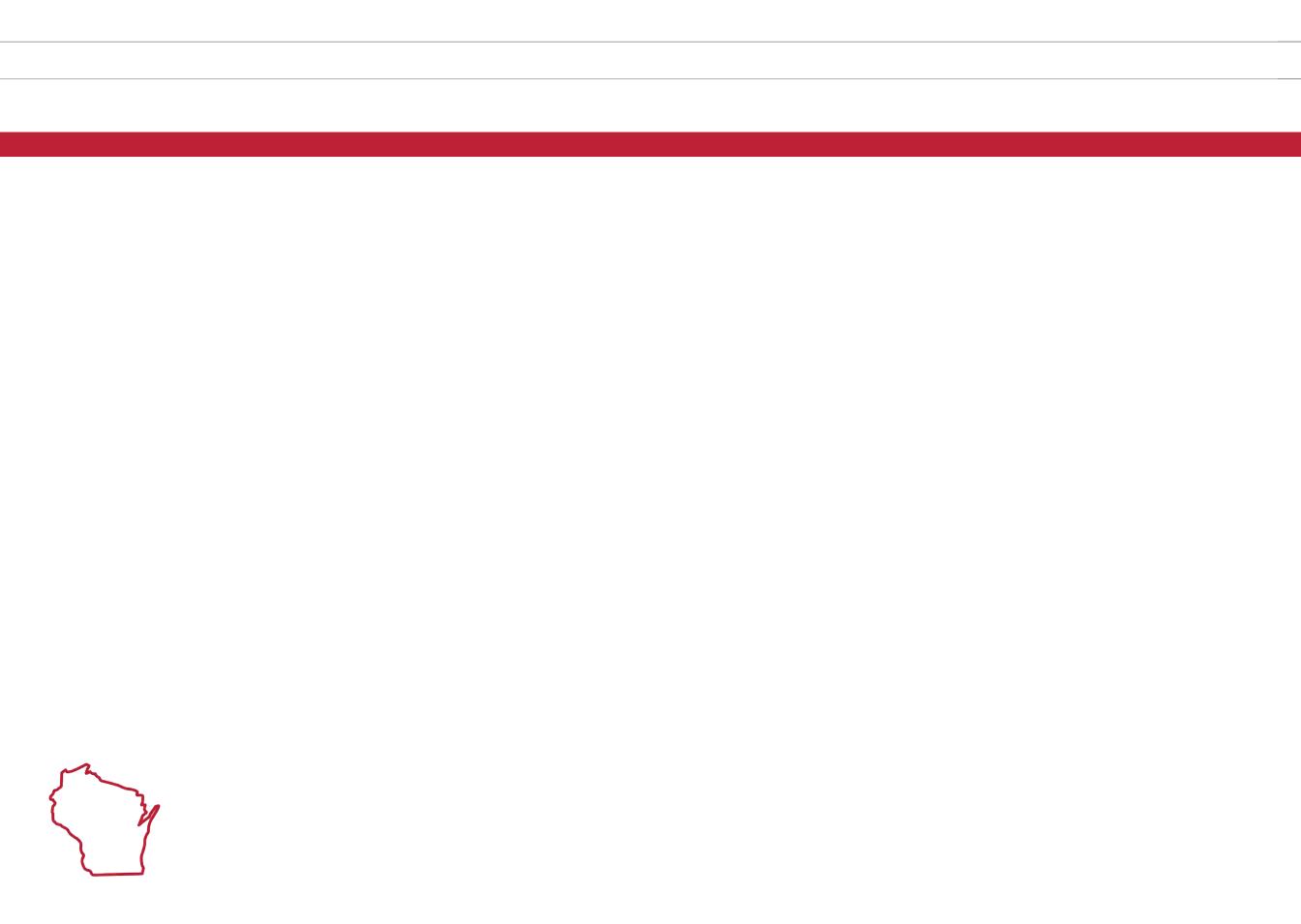
Initial review indicates that existing foundations that will remain as part of each of these options will continue to be adequate for the loads that they will receive either as intended or through other rationale structural engineering analysis. All this means is that other than some underpinning, existing 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





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 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

Jeremy Shecterle, P.E., LEED AP, AC Vice President - Janesville/Madison

p: 608.220.8441 | e: jeremy.shecterle@jpcullen.com

JANESVILLE MADISON MILWAUKEE

LS Finckney Street, Suite 3.30 | Madison, Wisconsin 5.3703 | p. 608-257-1711 | 1-608-757-5777

JPCULLEN.COM

OPTION OVERVIEW

Field Club Option 1B

A STATE OF THE PARTY OF THE PAR				
Cost of Construction		\$	6,967,107	
Design Fee	8.0%	5	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
		5	10,090,493	2019
		\$	10,468,887	2020
		e	10.061.470	2021

Field Club Option 1D

they are a brown as				
Cost of Construction		\$	13,771,102	
Design Fee	8.0%	\$	1,101,688	
FFE	5.0%	5	688,555	
DFDM Fee	4.0%	Ś	550,844	
Contingency	15.0%	5	2,416,828	Inflation
Grand Total		\$	18,529,018	2017
		\$	19,223,856	2018
	- 2	5	19,944,751	2019
	- 11	\$	20,692,679	2020
		5	21.468.654	2021

Terrace Club Option 2A

	1	-	100700000	
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
		5	29,935,794	2019
	- 1	\$	31,058,386	2020
		\$	32,223,076	2021

Terrace Club Option 3 (Add Cost to Option 2A

Terrace Club Option 3 (A	dd Cost to C	ption 2A	4)	
Cost of Construction		\$	1,233,731	
Design Fee	8.0%	Ş	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
		5	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

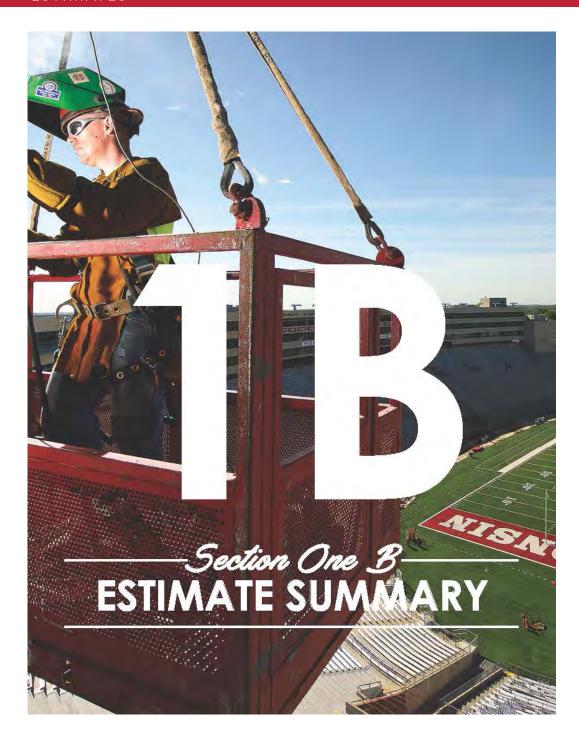
Cost of Construction	11	\$ 3,256,184	
Design Fee	8.0%	\$ 260,495	
FFE	2.0%	\$ 65,124	
DFDM Fee	4.0%	\$ 130,247	
Contingency	15.0%	\$ 556,807	Inflation
Grand Total		\$ 4,268,857	2017
		\$ 4,428,939	2018
		\$ 4,595,025	2019
		\$ 4,767,338	2020
		\$ 4,946,113	2021

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

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
	- 1	\$	5,063,570	2020
		ė	E 252 454	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	GLE III	\$ 3,283,373	2017
		\$ 3,406,500	2018
		\$ 3,534,244	2019
		\$ 3,666,778	2020
		\$ 3,804,282	2021



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 Metries 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.

Cost Management Detail



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

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

11:03:27.AM

Estimate File: 17 0656 South End Zone Budget Opt 1B est - Camp Randall South End Zone Budget Oct 2017 (Option 1B - 4,000 sqtt Club), Estimator. Primary Project Qty.0 SQFT Secondary Project City: 0 Estimate UM: Imperial

Report includes Taxes & Insurance. 10/19/2017

Description	Quantity	Uriit \$	Total \$	
Major Item Code 0100,000 GENERAL REQUIREMEN	ITS			
Minor Item Code 0100,000 SUMMARY OF WORK	(
36 VVK 8.3 MO SCHEDULE 11/23/19 TO 8/1/20*	****			
Total Minoritem 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 REQU	IREMENTS			
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 REC	UIREMENTS			
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	1904-1910-1	1904000	
Total Minoritem 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	7.07.25	2.633-58	\$31,650	
Minor Item Code 0149.000 WEATHER PROTECT	ION			
20 MEN X 40 HR X 4.00/HR	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 Minoritem Code 0149,000 WEATHER PROTECTION		almost a.	\$21,266	
Minor Item Code 0150,000 TEMPORARY UTILIT	CO.			

Sort Sequences: 1. Major Item Code 2. Minor Item Code 3. NotUsed 4. NotUsed

Estimate File: 17 0656 South End Zone Budget Opt 1B est - Camp Randall South End Zone Budge Oct 2017 (Option 1B - 4,000 sqft Otub)

Estimator.
Primary Project Oty 0 SQFT
Secondary Project Oty 0
Estimate UM: Imperial

Report includes Taxes & Insurance.

11:03:27AM				10/19/201
Description	Quantity	Unit \$	Total \$	(uriarzu)
TEMP ELECTRIC WIRING	1.00 LS	4.220.00	4,220	
TEMP ELECTRIC POWER **USE OWNERS**	1.00 MO	4,220,00	4,220	
TEMP TELEPHONE (5)	8.00 MO	659.38	5.275	
TEMP TELEPHONE (S)	1.00 LS	527.50	528	
			1.688	
TEMP WATER Total Minor Item Code 0150.000	8.00 MO	211.00	L AV. 1 7.0	
TEMPORARY UTILITIES			\$11,711	
Minor Item Code 0151.000 JOB EQUIPMENT				
EQUIPMENT REPAIR	1001.8	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 AI	DS			
BOBCAT	8.00 MO	2,637.50	21,100	
LULL	8.00 MO	4,220.00	33,760	
UPC 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	
	2.00 EACH	2,360.37		
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 S	TRUCTURES			
JOB SIGN	1.00 LS	889.41	889	
JOB OFFICE TRAILER (2)	16 00 MQ	260.08	4 161	
JOB TOOL TRAILER	8 00 MO	205.77	1.646	
Total Minor Item Code 0158.000 JOBSITE OFFICE STRUCTURES		1400000	\$6,697	
Minor Item Code 0159,000 JOBSITE OFFICE S	IDDITES			
COPY & OFFICE SUPPLIES	6.00 MO	2.110.00	16.880	
FAX MACHINE	8.00 MO	52.75	422	
JOBSITE COMPUTER			2,110	
	8.00 MO	263.75		
Total Minor Item Code 0159.000 JOBSITE			\$19,412	
Minor Item Code 0169,000 INSURANCE				
BLDRS RISK INSURANCE .09/100	4.00.0	0.00		
	1.00 C	0.09	0	
Total Minor Item Code 0169,000 INSURANCE			\$0	
Minor Item Code 0189.000 MISC FEES & OVER				
ARCHITECT/ENGINEERS FEES Total Minor Item Code 0189.000 MISC FEES & OVERHEAD	1.00 LS			
Total Major Item Code 0100.000 GENERAL REQUIREMENTS	UNIT		\$1,062,771	
14 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Major Item Code 0190.000 MISC OVERHEAD Minor Item Code 0190.000 MISC OVERHEAD				
	5,900,000,00 SDOL	0.04	241,500	
CONTRACTOR'S BOND	1.00 LS	40.891.00	40.891	
		40.001.00	40,091	
PAYROLL TAXES & INSURANCE	1.00 LS			

Major Item Code Minor Item Code NotUsed NotUsed		Oct	Secondary	000 sqft Club) Estimator sct City 0 SQF Project City 0 te UM: Imperio
		Re	port includes Taxes	& Insurance.
11:03:27AM				10/19/201
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				
D.H. & P.	1.00 LS			
Total Minor Item Code 0198,000 PROJECT MARKUP	10023			
Total Major Item Code 0198.000 PROJECT MARKUP	UNIT			
Major Item Code 0220.000 EXCAV, GRADING & BA	ACKFILL			
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 & BA	CKFILL			
EXCAVATION EQUIPMENT	163,404.00 SDQL	0.05	8,170	
EXCAVATION C.H. Total Minor Item Code 0222,000 EXCAVATION & BACKFILL	163,404.00 \$DOL	0.10	16,340 \$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 & BRACII	NG			
EARTH RETENTION (170'BACK + 50' EA SIDE AT 8'	2.160.00 SQF1	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 Total Minor Item Code 0260,000 ASPHALT	5,000.00 SQFT	20 00	100,000 \$100,000	
PAVING Total Major Item Code 0260.000 ROADS &			\$100,000	
WALKS				
Major Item Code 0280.000 LAWNS & PLANTING Minor Item Code 0280.000 LAWNS & PLANTIN				
FIELD TURF REMOVAL (200' X 230')	46,000.00 SQFT	3.67	168,639	
FIELD TURF INSTALL Total Minor Item Code 0280,000 LAWNS & PLANTINGS	46,000,00 SQFT	5.00	230,000 \$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				

Estimate File: :17 0656 South End Zone Budget Opt 1B.est - Camp Randall South End Zone Budge Sort Sequences: Oct 2017 (Option 1B - 4.000 sqft Club) 1 Major Hem Code 2. Minor Item Code 3. NotUsed Primary Project City:0 SQFT Secondary Project City: 0 Estimate UM: Imperial 4. Not Used Report Includes Taxes & Insurance. 11:03:27AM 10/19/2017 Total \$ Description Quantity Unit \$ ERECT PRECAST PLANK 57.00 EACH 166.36 PRECAST PLANK MATERIAL 3,570.00 SQFT 48,963 13.72 GROUT PRECAST PLANK 3 570.00 SOFT 2.615 0.73 ERECT PRECAST TREAD/RISER 64.00 EACH 415.90 26,617 PRECAST TREAD/RISER MATERIAL (TREAD AREA 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 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 7,515 MANLIFTS @PRECAST ERECTION 5,00 MO 3,692.50 18,463 250 TON CRANE PREGAST (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 SDOL 0.05 64,812 1,296,230.00 SDOL PRECAST O.H. 0.10 129.623 Total Minor Item Code 0340.000 PRECAST \$1,490,664 CONCRETE Total Major Item Code 0340.000 PRECAST \$1,490,664 CONCRETE Major Item Code 0400,000 MASONRY Minor Item Code 0400.000 MASONRY MASONRY DIVISION MANAGER **2% MASONRY 5,600.00 \$DOL 0.03 147 LABOR** MASONRY AT CLUB 4,000.00 SQFT 4.00 16,000 MASONRY FOURMENT 16 112 00 SDOL 0.05 806 MASONRY O.H. 16.112.00 SDOL 0.10 1,011 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 \$22,194 SELECTIVE DEMOLITION Minor Item Code 0489.000 DEMOLITION PROTECTION 36,660.00 TEMP PROTECTION 1.00 LS 36.860 DEMO PROTECTION EQUIPMENT 36,860.00 SDOL 0.05 1,843 DEMO PROTECTION OH 36,860 00 SDOL 0.10 3,686 Total Minor Item Code 0489.000 \$42,389 DEMOLITION PROTECTION 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 7,815 EXTERIOR BLDG DEMO EQUIPMENT 315,413.00 SDOL 15,771 0.05

315,413.00 SDOL

0.10

31,541

EXTERIOR BLDG DEMO OH

Major Item Code Minor Item Code Nat Used	656 South End Zone Bud		2017 (Option 1B - 4. Primary Proje	000 sqft Club), Estimator ct Oty:0 SQFT
4. NotUsed				Project City 0 te UM: Imperial
		R	eport includes Taxes	& Insurance.
t1:03:27AM				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 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 SOFT	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 SDOL	0.05	64,812	
PRECAST O.H.	1,296,230.00 SDOL	0.10	129,623	
Total Minor Item Code 0340.000 PRECAST CONCRETE			\$1,490,664	
Total Major Item Code 0340.000 PRECAST			\$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 SQFT	4.00	16.000	
MASONRY EQUIPMENT	16,112,00 SDOL	0.05	806	
MASONRY O.H.	16,112,00 SDOL	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 SELEC		14.00	****	
REMOVE BLEACHERS -PERMANENT Total Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION	3,400.00 LNFT	6.53	22,194 \$22,194	
Minor Item Code 0489 000 DEMOLITION PRO				
TEMP PROTECTION	1 00 LS	36,860 00	36,860	
DEMO PROTECTION EQUIPMENT	36,860.00 \$DOL	0.05	1,843	
Total Minor Item Code 0489.000	36,860.00 SDOL	0.10	3,686 \$42,389	
DEMOLITION PROTECTION Minor item Code 0490,000 EXTERIOR BUILD	ING 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 SDOL	0.05	15.771	
EXTERIOR BLDG DEMO OH	315,413,00 SDOL	0.10	31,541	

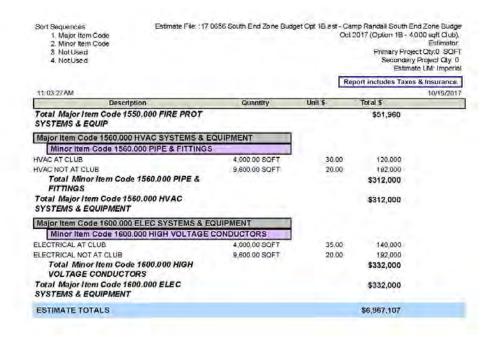
Estimate File: 17 0656 South End Zone Budget Opt 1B est - Camp Randall South End Zone Budge Sort Sequences: 1. Major Item Code Oct 2017 (Option 1B - 4,000 sqft Club) Estimator Primary Project Qty 0_SQFT 2. Minor Item Code 3 Notlised Secondary Project Oty 0 4. NotUsed Estimate UM: Imperial Report includes Taxes & Insurance. 11:03:27AM 10/19/2017 Unit \$ Total \$ Description Quantity Total Minor Item Code 0490.000 EXTERIOR \$340,530 **BUILDING DEMOLITION** 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 EQFT 1.70 6,800 Total Minor Item Code 0500,000 STEEL \$6,800 **GENERAL CONDITIONS** Total Major I tem Code 0500.000 STRUCTURAL \$6,800 METALS Major Item Code 0550.000 MISC.IRON - IRONWORKER Minor Item Code 0550.000 MISC IRON - IRONWORKER 3-LINE RAIL AT PRECAST STAIRS 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 SDOL 10,918 MISC IRON/STEEL O.H. 218,350.00 \$DOL 21,835 0.10 Total Minor Item Code 0550.000 MISC IRON \$244,303 - IRONWORKER Total Major Item Code 0550.000 MISC.IRON -\$244,303 IRONWORKER 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 SDOL 0.03 2,106 CARPENTRY O.H. 70,200.00 \$DOL 0.10 7.020 Total Minor Item Code 0640.000 CUSTOM \$79,326 WOODWORK Total Major Item Code 0640.000 CUSTOM \$79,326 WOODWORK Major Item Code 0700.000 WATERPROOF & DAMPPROOF Minor Item Code 0700.000 WATERPROOF & DAMPPROOF HORIZONTAL WATERPROOFING 4,000.00 SQFT 15.00 60,000 SPRAY INSULATION 5,000.00 SQFT 7.00 35,000 Total Minor Item Code 0700.000 \$95,000 WATERPROOF & DAMPPROOF Total Major Item Code 0700.000 WATERPROOF \$95,000 & DAMPPROOF 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 \$1,000 & SEALANTS Total Major I tem Code 0790.000 CAULKING & \$1,000 SEALANTS Major Item Code 0830 000 SPECIAL DOORS

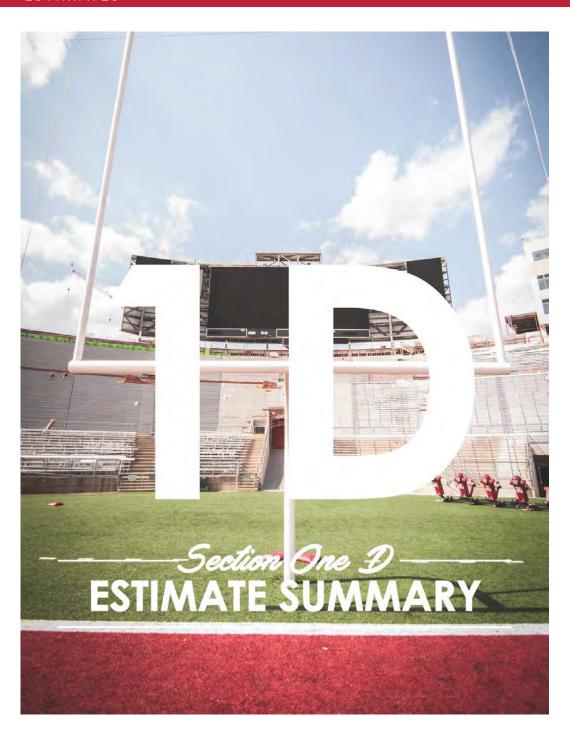
Page

Minor Item Code 0830,000 SPECIAL DOORS

Major Item Code Minor Item Code Not Used Not Used			Oct 2017 (Option 1B - 4,000 sqft: Estir Primary Project Ob. 0 Secondary Project Estimate UM. In		
		Report includes Taxes & Insurance.			
11:03:27AM				10/19/2017	
Description	Quantity	Unit \$	Total \$		
SPECIAL DOORS AT CLUB Total Minor Item Code 0830.000 SPECIAL DOORS	4,000,00 SQFT	0.22	\$880		
Total Major Item Code 0830,000 SPECIAL DOORS			\$880		
Major Item Code 0870,000 HARDWARE					
Minor Item Code 0870,000 HARDWARE		- T1364	1.00		
CAMPUS LOCKS & DEVICES Total Minor Item Code 0870,000 HARDWARE	1,00 LS	70,000.00	70,000 \$70,000		
Total Major I tem 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	1,000,000,000,1	(5,100	\$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 Total Minor Item Code 0930,000 CERAMIC TILE	4,000.00.SQFT	4.00	\$16,000		
Total Major Item Code 0930.000 TILE & TERRAZZO			\$16,000		
Major Item Code 0950,000 ACOUSTICAL TREATME		3			
Minor Item Code 0950,000 ACOUSTICAL TREAT		14.05	4000		
ACOUSTIC AT CLUB Total Minor Item Code 0950.000 ACOUSTICAL TREATMENT	4,000,00 SQFT	4.00	\$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	V 000 00		72-20		
FLOORING AT CLUB Total Minor Item Code 0955,000 WOOD FLOORING	4,000.00 SQFT	10.00	\$40,000 \$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	10 500 00 0057	40.00	AND NAME		
TRAFFIC COATING Total Minor Item Code 0980.000 SPECIAL FINISHES	16,500.00 SQFT	12.00	196,000 \$198,000		

Sort Sequences: Estimate File: :17 065 1. Major Item Code 2. Minor Item Code 3. Not Used 4. Not Used	6 South End Zone Bud		Camp Randall South End Zone Budge Oct 2017 (Option 18 - 4,000 sqrt Culb) Estimator Primary Project CDy.0 SQFT Secondary Project Cty, 0 Estimate UM; Imperia		
		Re	eport Includes Taxes & Insurance.		
11:03:27AM Description	Quantity	Unit \$	Total \$	10/19/201	
Total Major Item Code 0980.000 SPECIAL	quantity	CHIRC 3	\$198,000		
FINISHES			9130,000		
Major Item Code 0990.000 PAINTING & WALL COV	ERING				
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 &			\$9,200		
WALL COVERING					
Major Item Code 1000,000 SPECIALTIES					
Minor Item Code 1040,000 SIGNS & IDENTIFYII	NG DEVICES				
GRAHICS	10018	1,00,000.00	000,001		
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		
			\$120,000		
Major Item Code 1100,000 EQUIPMENT	UDMENT				
Minor Item Code 1113.000 AUDIO-VISUAL EQU 4VAT CLUB	4,000.00 SQFT	32.00	128.000		
Total Minor Item Code 1113.000	4,000.00 SQF1	32.00	\$128,000		
AUDIO-VISUAL EQUIPMENT			\$120,000		
Minor Item Code 1140,000 FOOD SERVICE EQ	UIPMENT				
FOOD SERVICE AT CLUB	4,000.00 SQFT	9.60	38,400		
Total Minor Item Gode 1140.000 FOOD			\$38,400		
SERVICE EQUIPMENT			63,62,000		
Total Major Item Code 1100.000 EQUIPMENT			\$166,400		
Major Item Code 1200.000 FURNISHINGS					
Minor Item Code 1270,000 MULTIPLE SEATING		ando.	40.000		
CLUB SEATS	196.00 EACH	350.00	68,600		
FIELD LOGE TABLE SEATS LOWER GENERAL ADMISSION (GA) SEATS	56.00 EACH 276.00 EACH	200.00	11 200 13,800		
JPPER 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			\$120,400		
SEATING					
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 Total Minor Item Code 1500.000 PIPE &	9,600.00 SQFT	6.00	57,600		
FITTINGS			\$105,600		
Total Major Item Code 1500.000 PLUMBING			\$105,600		
SYSTEMS & EQUIP			4100,000		
Major Item Code 1550.000 FIRE PROT SYSTEMS &	EQUIP				
Minor Item Code 1550,000 PIPE, FITTINGS & VA					
FIRE PROTECTION AT CLUB	4,000.00 SQFT	3.39	13,560		
FIRE PROTECTION NOT AT CLUB Total Minor Item Code 1550,000	9,600,00 SQFT	4.00	38,400 \$51,960		



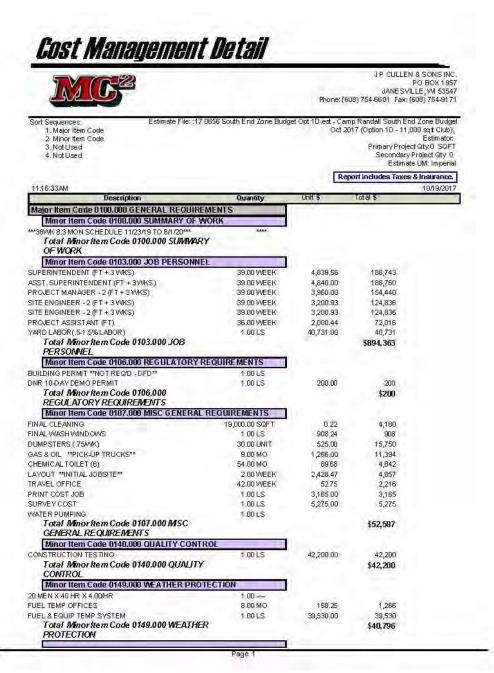


OPTION 1D

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.



Sort Sequences: 1. Major Item Code 2. Minor Item Code 3 NotUsed

4. NotUsed

Estimate File: 17 0656 South End Zone Budget Opt 1D est - Camp Randall South End Zone Budge Oct 2017 (Option 1D - 11,000 sqft Club)

Estimator: Primary Project Qty.0 SQFT Secondary Project City 0 Estimate UM: Imperial

Report includes Taxes & Insurance.

11:16:33AM				10/19/2017
Description	Quantity	Unit \$	Total \$	
Minor Item Code 0150.000 TEMPORARY UTIL	ITIES			
TEMP ELECTRIC WIRING	1.00 LS	4.220.00	4.220	
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	
PC 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				
EMPORARY JOB FENCE	800.00 LNFT	5.05	4.040	
EMPORARY 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		1534.61	
OB SIGN	1.00 LS	889.41	889	
IOB OFFICE TRAILER (2)	18 00 MO	260 08	4,681	
IOB TOOL TRAILER (2)	18.00 MO	205.77	3,704	
Total Minor Item Code 0158,000 JOBSITE OFFICE STRUCTURES	19409 1198	12201	\$9,275	
Minor Item Code 0159.000 JOBSITE OFFICE	SUPPLIES			
COPY & OFFICE SUPPLIES	9.00 MO	2,110.00	18.990	
AX MACHINE	9.00 MO	52.75	475	
IOBSITE COMPUTER	9.00 MO	263.75	2,374	
Total Minor Item Code 0159,000 JOBSITE OFFICE SUPPLIES	2.00.100	200.10	\$21,839	
Minor Item Code 0169,000 INSURANCE				
SLDRS RISK INSURANCE 09/100	1.00 C	0.09	0	
Total Minor Item Code 0169.000 INSURANCE		2.3	\$0	
Minor Item Code 0189.000 MISC FEES & OVE	RHEAD			
ARCHITECT/ENGINEERS FEES	1.00 LS			
Total Minor Item Code 0189.000 MISC FEES & OVERHEAD				
Total Major Item Code 0100.000 GENERAL REQUIREMENTS	UNIT		\$1,344,212	
Major 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			

1. Major Item Code 2. Minor Item Code 3. NotUsed 4. NotUsed			Secondary	Estimator et Oty 0 SOFT Project Oty 0 e UM: Imperial
		Re	port includes Taxes	& Insurance.
11:16:33AM				10/19/2017
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 MARKUF				
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 0220.000 EXCAV, GRADING & BA	ACKFILL			
ROSION 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	7.000.00 00.10		\$284,916	
GRADING Minor Item Code 0222,000 EXCAVATION & BA	CKENT		9204,310	
EXCAVATION EQUIPMENT	284 916 00 SDQL	0.05	14.246	
EXCAVATION O.H.	284,916.00 SDOL	0.10	28.492	
Total Minor Item Code 0222,000 EXCAVATION & BACKFILL	204,510,00 3000	0.10	\$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 & BRACI		A 747.43	100000	
MICROPILES AT 0.9 LINE	40.00 EACH	9,000.00	360,000	
OWER LEVEL ACCESS FOR MICROPILES	1.00 EACH	300,000,00	300,000	
EARTH RETENTION (+10'BACK + 50' EA SIDE AT 2' DEEPER: EARTH RETENTION (170'BACK + 50' EA SIDE AT 8'	1,640,00 SQFT 2,160,00 SQFT	55.00 55.00	90,200	
Total Minor Item Code 0240.000 SHORING &	2,700,000,000,1	55.55	\$869,000	
BRACING Total Major I tem 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 & PLANTING Minor Item Code 0280,000 LAWNS & PLANTIN	GS			
FIELD TURF REMOVAL (230' x 200')	46,000 00 SQFT	3.67	168,639	
TELD TURF INSTALL	46,000.00 SQFT	5.00	230.000	
Total Minor Item Code 0280,000 LAWNS &	, o, o o o o o	5.00	\$398,639	

Estimate File: :17 0656 South End Zone Budget Opt 1D.est - Camp Randall South End Zone Budge Sort Sequences Oct 2017 (Option 1D- 11,000 sqft Club). 1 Major Item Code 2. Minor Item Code 3. NotUsed Primary Project City:0 SQFT Secondary Project City: 0 Estimate UM: Imperial 4. Not Used Report Includes Taxes & Insurance. 11:16:33AM 10/19/2017 Total Major Item Code 0280.000 LAWNS & \$398,639 PLANTING 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 \$33,000 FINISH Total Major Item Code 0300.000 CONCRETE \$33,000 FINISHING Major Item Code 0310.000 FORM WORK Minor Item Code 0310.000 FORM WORK CONCRETE FORMWORK EQUIPMENT 133,000.00 SDOL 0.05 6,650 CONCRETE FORMWORK O.H. 133,000.00 SDOL 13 300 0.10 Total Minor Item Code 0310.000 FORM \$19,950 WORK Minor Item Code 0319.000 MISC FORM WORK 1,600,00 SQFT 21,94 35,104 CONCRETE FROSTWALLS <6' TALL CONCRETE FOUNDATION WALL 12' TALL 1.248 00 SOFT 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 112,037 6.03 TOPPING SLAB AT PRECAST PLANK 4" 11.850.00 SOFT 3.71 43 964 HEAT & WINTER 11/15**4/15 (1 WINTER) 82.032 17 00 WKS 4.825.40 1,500,00 CUYD 5.28 HEATED CONCRETE 7,913 EQUIPMENT TRANSPORTATION - CONCRETE 6,00 TRIP 543.92 3,264 CONCRETE GROUP GENERAL SUPT **3% OF 339,395 00 SOOL 13,824 CONCRETE LABOR** Total Minor Item Code 0319.000 MISC FORM \$983,731 WORK Total Major Item Code 0310,000 FORM WORK SQFT \$1,003,681 Major Item Code 0320,000 REINFORCING STEEL Minor Item Code 0321.000 RE-BARS CONCRETE REBAR, ERECTION, HOISTING IN CONC 1.00 LS UNIT PRICE Total Minor Item Code 0321.000 RE-BARS Total Major Item Code 0320.000 REINFORCING Major Item Code 0330.000 CAST-IN-PLAGE CONGRETE Minor Item Gode 0330.000 CAST-IN-PLACE CONCRETE CONCRETE EQUIPMENT 980,496.00 SDOL 0.05 49 025 CONCRETE OH 980,496 00 SDOI 98.050 0.10 Total Minor Item Code 0330.000 \$147,074 CAST-IN-PLACE CONCRETE Total Major Item Code 0330.000 \$147,074 CAST-IN-PLACE CONCRETE Major Item Code 0340.000 PRECAST CONCRETE Minor Item Code 0340,000 PRECAST CONCRETE

Sort Sequences Estimate File: ::17 0 1. Major Item Code 2. Minor Item Code 3. NotUsed 4. NotUsed	656 South End Zone Bud		2017 (Option 1D - 11,00 Primary Project Secondary P	0 sqft Club) Estimator Qty:0 SQFT
		R	eport includes Taxes 8	Insurance.
11_16:33AM				10/19/2017
Description	Quantity	Unit \$	Total \$	
ERECT PRECAST COLUMNS	15.00 EACH 144.00 LNFT	519.87 237.38	7.798 34.182	
PREACST COLUMN MATERIAL (12 @12') PREACST 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				
ERECT PRECAST TREAD/RISER	11,850.00 SQFT	0.73 415.90	8,679 58,641	
	141,00 EACH			
PRECAST TREAD/RISER MATERIAL (TREAD AREA ONLY)	13,778,00 SQFT	79.13	1,090,184	
ERECT PRECAST WALL PANELS	50.00 EACH	519,67	25,993	
PRECAST WALL PANEL MATERIAL	1,680.00 SOFT	47.48	79.758	
ERECT PRECAST BASE STAIR UNIT	16.00 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 SDOL	0.03	76,650	
PRECAST O.H.	2,554,996.00 SDOL	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 SDOL	0.03	2,032	
MASONRY AT CLUB	11,000.00 SOFT	4.00	44,000	
MASONRY AT CONCESSIONS	1,400,00 SOFT	23.75	33.250	
MASONRY EQUIPMENT	78,795.00 SDOL	0.05	3,940	
MASONRY O.H.	78,795,00 SDOL	0.10	7,880	
Total Minor Item Code 0400.000 MASONRY	ALL AND A		\$91,102	
Total Major Item Code 0400.000 MAS ONRY			\$91,102	
Major Item Code 0480.000 DEMO				
Minor Item Code 0480.000 INTERIOR WALL	DEMOLITION			
REMOVE MASONRY PART	1,660 00 SQFT	8 43	10,672	
MISC REMOVALS AT CONCESSIONS	1.00 LS	12,051.99	12,052	
Total Minor Item Code 0480,000 INTERIOR WALL DEMOLITION	1,500	1,777,01.7	\$22,724	
Minor Item Code 0485.000 INTERIOR SELEC	TIVE DEMOLITION			
REMOVE BLEACHERS - PERMANENT Total Minor Item Code 0485,000 INTERIOR SELECTIVE DEMOLITION	7,864,00 LNFT	6.53	51,334 \$51,334	
Minor Item Code 0489.000 DEMOLITION PRO	DIECTION			

Sort Sequences: 1. Major Item Code 2. Minor Item Code 3. NotUsed 4. NotUsed

Estimate File: 17 0656 South End Zone Budget Opt 1D est - Camp Randall South End Zone Budget Opt 1D est - Camp Randall South End Zone Budget Opt 2017 (Option 1D - 11,000 sqft Club)

Estimator Primary Project Oty 0 SQFT Secondary Project Oty 0 Estimate UM Imperial

Réport includes Taxes & Insurance.

11:16:33AM		1		10/19/2017
Description	Quantity	Unit \$	Total \$	
TEMP PROTECTION	1.00 LS	48,712.50	48,713	
DEMO PROTECTION EQUIPMENT	46,713.00 SDOL	0.03	1,461	
DEMO PROTECTION OH	48,713.00 SDOL	0.10	4.871	
Total Minor Item Code 0489.000 DEMOLITION PROTECTION			\$55,045	
Minor Item Code 0490.000 EXTERIOR BUILDIN	NG 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 SOFT	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	8,793	
EXTERIOR BLDG DEMO EQUIPMENT	893,509.00 SDOL	0.05	44,675	
EXTERIOR BLDG DEMO OH	893,509.00 SDOL	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	
ITEEL AT CLUB ITEEL AT CONCESSIONS Total Minor Item Code 0500,000 STEEL GENERAL CONDITIONS	1,400 00 SQFT 1,400 00 SQFT	1.70 1 70	18,700 2,380 \$21,080	
Total Major I tem Code 0500.000 STRUCTURAL			\$21,080	
Total Major I tem Code 0500.000 STRUCTURAL METALS	OKER 1		\$21,080	
Total Major I tem Code 0500.000 STRUCTURAL METALS Major Item Code 0550.000 MISC.IRON - IRONWOR	104 300		\$21,080	
Total Major Item Code 0500.000 STRUCTURAL METALS Major Item Code 0550.000 MISC.IRON - IRONWOR Minor Item Code 0550.000 MISC IRON - IRONWOR	VORKER	125.00		
Total Major I tem Code 0500.000 STRUCTURAL METALS Major Item Code 0550.000 MISC.IRON - IRONWOR Minor Item Code 0550.000 MISC IRON - IRONW	VORKER 150.00 LNFT	125.00	18,750	
Total Major I tem Code 0500.000 STRUCTURAL METALS Major Item Code 0550.000 MISC.IRON - IRONWOR [Minor Item Code 0550.000 MISC IRON - IRONW -LINE RAIL AT PRECAST STAIRS DEMISING WALLIRAIL @ FIELD LEVEL	150.00 LNFT 170.00 LNFT	200,00	18,750 34,000	
Total Major I tem Code 0500.000 STRUCTURAL METALS Major I tem Code 0550.000 MISC.IRON - IRONWOR Minor I tem Code 0550.000 MISC.IRON - IRONWOR LINE RAIL AT PRECAST STAIRS DEMISING WALURAL @ FIELD LEVEL DEMISING WALURAL @ FRONT CLUB SEATS	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT	200.00 300.00	18,750 34,000 31,200	
Total Major I tem Code 0500.000 STRUCTURAL METALS Major I tem Code 0550.000 MISC.IRON - IRONWORE Minor I tem Code 0550.000 MISC IRON - IRONWORE LINE RAIL AT PRECAST STAIRS DEMISING WALL/RAIL @ FIELD LEVEL DEMISING WALL/RAIL @ FRONT CLUB SEATS DEMISING WALL/RAIL @ BACK OF CLUB SEATS	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT	200.00 300.00 300.00	18.750 34,000 31,200 31,200	
Total Major I tem Code 0500.000 STRUCTURAL METALS Major Item Code 0550.000 MISC.IRON - IRONWOR Minor Item Code 0550.000 MISC IRON - IRONWORLINE RAIL AT PRECAST STAIRS DEMISING WALL/RAIL @ FIELD LEVEL DEMISING WALL/RAIL @ FRONT CLUB SEATS DEMISING WALL/RAIL @ BACK OF CLUB SEATS DEMISING WALL/RAIL AT WALKWAY FIELD SIDE	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT 104.00 LNFT 156.00 LNFT	200.00 300.00 300.00 400.00	18,750 34,000 31,200 31,200 62,400	
Total Major I tem Code 0500.000 STRUCTURAL METALS Major I tem Code 0550.000 MISC.IRON - IRONWORE Minor I tem Code 0550.000 MISC.IRON - IRONWORE LINE RAIL AT PRECAST STAIRS JEMISING WALL/RAIL @ FIELD LEVEL JEMISING WALL/RAIL @ FRONT CLUB SEATS JEMISING WALL/RAIL @ BACK OF CLUB SEATS JEMISING WALL/RAIL & BACK OF CLUB SEATS JEMISING WALL/RAIL AT WALKWAY FIELD SIDE JEMISING WALL/RAIL AT FRONT UPPER GA SEATS	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT 104.00 LNFT 156.00 LNFT 170.00 LNFT	200.00 300.00 300.00 400.00 200.00	18,750 34,000 31,200 31,200 62,400 34,000	
Total Major I tem Code 0500.000 STRUCTURAL METALS Major I tem Code 0550.000 MISC.IRON - IRONWORE Minor I tem Code 0550.000 MISC.IRON - IRONWORE LINE RAIL AT PRECAST STAIRS DEMISING WALURAL @ FIELD LEVEL DEMISING WALURAL @ FRONT CLUB SEATS DEMISING WALURAL @ BACK OF CLUB SEATS DEMISING WALURAL AT FRONT UPPER GA SEATS DEMISING WALURAL AT FRONT UPPER GA SEATS MISC IRON/STEEL EQUIPMENT	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT 196.00 LNFT 170.00 LNFT 232,630.00 SDQL	200.00 300.00 300.00 400.00 200.00 0.05	18,750 34,000 31,200 31,200 62,400 34,000 11,632	
Major I tem Code 0500.000 STRUCTURAL METALS Major I tem Code 0550.000 MISC.IRON - IRONWORE Minor I tem Code 0550.000 MISC IRON - IRONWORE LINE RAIL AT PRECAST STAIRS DEMISING WALL/RAIL @ FIELD LEVEL DEMISING WALL/RAIL @ FRONT CLUB SEATS DEMISING WALL/RAIL @ BACK OF CLUB SEATS DEMISING WALL/RAIL AT WALKWAY FIELD SIDE DEMISING WALL/RAIL AT FRONT UPPER GA SEATS MISC IRON/STEEL EQUIPMENT MISC IRON/STEEL QUIPMENT MISC IRO	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT 104.00 LNFT 156.00 LNFT 170.00 LNFT	200.00 300.00 300.00 400.00 200.00	18,750 34,000 31,200 31,200 62,400 34,000	
Total Major I tem Code 0500.000 STRUCTURAL METALS Major I tem Code 0550.000 MISC IRON - IRONWORE Minor I tem Code 0550.000 MISC IRON - IRONWORE LINE RAIL AT PRECAST STAIRS DEMISING WALL/RAIL @ FIELD LEVEL DEMISING WALL/RAIL @ FRONT CLUB SEATS DEMISING WALL/RAIL @ BACK OF CLUB SEATS DEMISING WALL/RAIL AT PRONT UPPER GA SEATS MISC IRON/STEEL EQUIPMENT MISC IRON/STEEL Q H Total Minor I tem Code 0550.000 MISC IRON - IRONWORKER Total Major I tem Code 0550.000 MISC JRON -	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT 196.00 LNFT 170.00 LNFT 232,630.00 SDQL	200.00 300.00 300.00 400.00 200.00 0.05	18,750 34,000 31,200 31,200 62,400 34,000 11,632 23,263	
Total Major Item Code 0500.000 STRUCTURAL METALS Major Item Code 0550.000 MISC.IRON - IRONWORE Minor Item Code 0550.000 MISC.IRON - IRONWORE MINOR ITEM CODE 0550.000 MISC.IRON - IRONWORE MISC.IRON STAIRS DEMISING WALL/RAIL @ FIELD LEVEL DEMISING WALL/RAIL @ FRONT CLUB SEATS DEMISING WALL/RAIL @ BACK OF CLUB SEATS DEMISING WALL/RAIL AT WALKWAY FIELD SIDE DEMISING WALL/RAIL AT FRONT UPPER GA SEATS MISC.IRON/STEEL EQUIPMENT MISC.IRON/STEEL O.H Total Minor Item Code 0550,000 MISC.IRON - IRONWORKER Total Major Item Code 0550.000 MISC.JRON - IRONWORKER	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT 104.00 LNFT 156.00 LNFT 170.00 LNFT 232,630.00 SDOL 232,630.00 SDOL	200.00 300.00 300.00 400.00 200.00 0.05	18,750 34,000 31,200 31,200 62,400 34,000 11,632 23,263 \$246,445	
Total Major Item Code 0500.000 STRUCTURAL METALS Major Item Code 0550.000 MISC.IRON - IRONWORE Minor Item Code 0550.000 MISC.IRON - IRONWORE MINOR ITEM CODE 0550.000 MISC.IRON - IRONWORE MISC.IRON STAIRS DEMISING WALL/RAIL @ FIELD LEVEL DEMISING WALL/RAIL @ FRONT CLUB SEATS DEMISING WALL/RAIL @ BACK OF CLUB SEATS DEMISING WALL/RAIL AT WALKWAY FIELD SIDE DEMISING WALL/RAIL AT FRONT UPPER GA SEATS MISC.IRON/STEEL EQUIPMENT MISC.IRON/STEEL O.H Total Minor Item Code 0550,000 MISC.IRON - IRONWORKER Total Major Item Code 0550.000 MISC.JRON - IRONWORKER	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT 104.00 LNFT 156.00 LNFT 170.00 LNFT 232,630.00 SDOL 232,630.00 SDOL	200.00 300.00 300.00 400.00 200.00 0.05	18,750 34,000 31,200 31,200 62,400 34,000 11,632 23,263 \$246,445	
Total Major Item Code 0500.000 STRUCTURAL METALS Major Item Code 0550.000 MISC.IRON - IRONWORE Minor Item Gode 0550.000 MISC IRON - IRONWORE LINE RAIL AT PRECAST STAIRS DEMISING WALL/RAIL @ FIELD LEVEL DEMISING WALL/RAIL @ FRONT CLUB SEATS DEMISING WALL/RAIL @ BACK OF CLUB SEATS DEMISING WALL/RAIL AT WALKWAY FIELD SIDE DEMISING WALL/RAIL AT WALKWAY FIELD SIDE DEMISING WALL/RAIL AT FRONT UPPER GA SEATS MISC IRON/STEEL EQUIPMENT MISC IRON/STEEL EQUIPMENT TOtal Minor Item Code 0550.000 MISC IRON - IRONWORKER Total Major Item Code 0550.000 MISC JRON - IRONWORKER Major Item Code 0640.000 CUSTOM WOODWORK Minor Item Code 0640.000 CUSTOM WOODWORK	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT 104.00 LNFT 156.00 LNFT 170.00 LNFT 232,630.00 SDOL 232,630.00 SDOL	200.00 300.00 300.00 400.00 200.00 0.05	18,750 34,000 31,200 31,200 62,400 34,000 11,632 23,263 \$246,445	
Total Major Item Code 0500.000 STRUCTURAL METALS Major Item Code 0550.000 MISC.IRON - IRONWORE Minor Item Code 0550.000 MISC IRON - IRONWORE MINOR ITEM CODE 0550.000 MISC IRON - IRONWORE DEMISING WALURAIL @ FIELD LEVEL DEMISING WALURAIL @ FRONT CLUB SEATS DEMISING WALURAIL @ BACK OF CLUB SEATS DEMISING WALURAIL AT WALKWAY FIELD SIDE DEMISING WALURAIL AT FRONT UPPER GA SEATS MISC IRON/STEEL EQUIPMENT MISC IRON/STEEL EQUIPMENT MISC IRON/STEEL O.H. TOTAL MINOR ITEM CODE 0550.000 MISC IRON - IRONWORKER Total Major Item Code 0550.000 MISCJRON - IRONWORKER Major Item Code 0540.000 CUSTOM WOODWORKER	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT 104.00 LNFT 156.00 LNFT 170.00 LNFT 232,630.00 SOOL 232 630.00 SOOL	200.00 300.00 300:00 400.00 200.00 0.05 0.10	18,750 34,000 31,200 31,200 62,400 34,000 11,632 23,263 \$246,445	
Total Major Item Code 0500.000 STRUCTURAL METALS Major Item Code 0550.000 MISC.IRON - IRONWOR Minor Item Code 0550.000 MISC.IRON - IRONWOR Minor Item Code 0550.000 MISC.IRON - IRONWOR BLINE RAIL AT PRECAST STAIRS DEMISING WALLWAIL @ FIELD LEVEL DEMISING WALLWAIL @ FRONT CLUB SEATS DEMISING WALLWAIL @ BACK OF CLUB SEATS DEMISING WALLWAIL AT WALKWAY FIELD SIDE DEMISING WALLWAIL AT FRONT UPPER GA SEATS DEMISING WALLWAIL AT FRONT UPPER GA SEATS MISC. IRON/STEEL EQUIPMENT MISC. IRON/STEEL O.H Total Minor Item Code 0550,000 MISC.IRON - IRONWORKER Total Major Item Code 0550,000 MISC.IRON - IRONWORKER Major Item Code 0640,000 CUSTOM WOODWORK Minor Item Code 0640,000 CUSTOM WOODWORK MINOR ITEM CODE 0640,000 CUSTOM WOODWORK ACAPENTRY (INCL. DIV 10 & DOORS) AT CLUB	150.00 LNFT 170.00 LNFT 170.00 LNFT 104.00 LNFT 104.00 LNFT 156.00 LNFT 170.00 LNFT 232,630.00 SDOL 232 630.00 SDOL	200.00 300.00 300:00 400.00 200.00 0.05 0.10	18,750 34,000 31,200 31,200 62,400 34,000 11,632 23,263 \$246,445 \$246,445	

Total Minor Item Code 0640.000 CUSTOM	15.00 7.00 0.25 0.25	Total \$ \$245,911 \$245,911 \$245,911 \$245,911 \$245,910 \$273,500 \$273,500 \$273,500 \$273,500 \$273,500 \$2,750 \$350 \$3,100 \$3,100 \$3,100	& insurance. 10/19/2017
Total Minor Item Code 0640.000 CUSTOM	15.00 7.00 0.25 0.25	\$245,911 \$245,911 165,000 108,500 \$273,500 \$273,500 \$273,500 \$3,100 \$3,100 \$3,100	10/19/2017
Total Minor Item Code 0640.000 CUSTOM WOODWORK Total Major Item Code 0640.000 CUSTOM WOODWORK Major Item Code 0700.000 WATERPROOF & DAMPPROOF Minor Item Code 0700.000 WATERPROOF & DAMPPROOF Minor Item Code 0700.000 WATERPROOF & DAMPPROOF MINOR Item Code 0700.000 WATERPROOF & DAMPPROOF Total Minor Item Code 0700.000 WATERPROOF & DAMPPROOF Major Item Code 0700.000 CAULKING & SEALANTS Minor Item Code 0790.000 CAULKING & SEALANTS CAULK AT CONCESSIONS Total Minor Item Code 0790.000 CAULKING & SEALANTS Total Minor Item Code 0790.000 CAULKING & SEALANTS Total Major Item Code 0790.000 CAULKING & SEALANTS Total Major Item Code 0790.000 CAULKING & SEALANTS Total Major Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS Total Minor Item Code 0830.000 SPECIAL DOORS Total Minor Item Code 0830.000 SPECIAL DOORS Total Minor Item Code 0830.000 SPECIAL DOORS Major Item Code 0870.000 HARDWARE Minor Item Code 0880.000 GLASS & GLAZING Total Major Item Code 0880.000 GLASS &	15.00 7.00 0.25 0.25	\$245,911 \$245,911 165,000 108,500 \$273,500 \$273,500 \$273,500 \$3,100 \$3,100 \$3,100	
WOODWORK Total Major Item Code 0640.000 CUSTOM WOODWORK Major Item Code 0700.000 WATERPROOF & DAMPPROOF Minor Item Code 0700.000 WATERPROOF & DAMPPROOF Minor Item Code 0700.000 WATERPROOF & DAMPPROOF HORIZONTAL WATERPROOFING Total Minor Item Code 0700.000 WATERPROOF & DAMPPROOF Total Major Item Code 0700.000 WATERPROOF Major Item Code 0700.000 CAULKING & SEALANTS Minor Item Code 0790.000 CAULKING & SEALANTS CAULK AT CLUB TOTAL Minor Item Code 0790.000 CAULKING & SEALANTS TOTAL Minor Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS SPECIAL DOORS AT CONCESSIONS TOTAL Minor Item Code 0830.000 SPECIAL DOORS TOTAL Minor Item Code 0830.000 SPECIAL DOORS TOTAL Major Item Code 0870.000 HARDWARE Minor Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLASS & Major ITEM CODE 0700.000 MARCHARDAL TOTAL MAJOR ITEM CO	7 00 0 25 0 25	\$245,911 165,000 108,500 \$273,500 \$273,500 \$2,750 350 \$3,100 \$3,100	
Major Item Code 0700.000 WATERPROOF & DAMPPROOF [Minor Item Code 0700.000 WATERPROOF & DAMPPROOF Total Major Item Code 0700.000 WATERPROOF & DAMPPROOF Major Item Code 0700.000 CAULKING & SEALANTS [Minor Item Code 0790.000 CAULKING & SEALANTS [Minor Item Code 0830.000 SPECIAL DOORS [Minor Item Code 0870.000 HARDWARE [Minor Item Code 0870.000 HARDWARE [Minor Item Code 0870.000 HARDWARE [Minor Item Code 0880.000 GLASS & GLAZING	7 00 0 25 0 25	165,000 108,500 \$273,500 \$273,500 2,750 350 \$3,100 \$3,100	
Minor Item Code 0700.000 WATERPROOF & DAMPPROOF HORIZONTAL WATERPROOFING 11,000.00 SQFT SPRAY INSULATION 15,500.00 SQFT TOTAL Minor Item Code 0700.000 WATERPROOF & DAMPPROOF TOTAL Major Item Code 0700.000 WATERPROOF & DAMPPROOF Major Item Code 0790.000 CAULKING & SEALANTS Minor Item Code 0790.000 CAULKING & SEALANTS CAULK AT CUNCESSIONS 1,400.00 SQFT TOTAL Minor Item Code 0790.000 CAULKING & SEALANTS TOTAL Minor Item Code 0790.000 CAULKING & SEALANTS Major Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS SPECIAL DOORS AT CUNCESSIONS 1,400.00 SQFT TOTAL Minor Item Code 0830.000 SPECIAL DOORS TOTAL Minor Item Code 0830.000 SPECIAL DOORS TOTAL Minor Item Code 0830.000 SPECIAL DOORS Major Item Code 0870.000 HARDWARE Minor Item Code 0870.000 HARDWARE Minor Item Code 0870.000 HARDWARE Minor Item Code 0870.000 HARDWARE TOTAL Minor Item Code 0870.000 HARDWARE Minor Item Code 0870.000 HARDWARE Minor Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLASS & CLASS AT CLUB 11,000.00 SQFT TOTAL Minor Item Code 0880.000 GLAZING TOTAL Minor Item Code 0880.000 GLASS & CLASS AT CLUB 11,000.00 SQFT TOTAL Minor Item Code 0880.000 GLASS & CLASS AT CLUB 11,000.00 SQFT TOTAL Minor Item Code 0880.000 GLASS & CLASS AT CLUB 11,000.00 SQFT TOTAL Minor Item Code 0880.000 GLASS & CLASS AT CLUB 11,000.00 SQFT TOTAL Minor Item Code 0880.000 GLASS & CLASS AT CLUB 11,000.00 SQFT	7 00 0 25 0 25	108,500 \$273,500 \$273,500 \$2,750 350 \$3,100 \$3,100 \$2,420 24,500	
HORIZONTAL WATERPROOFING HORIZONTAL WATERPROOFING FORAY INSULATION TOTAL Minor Item Code 0700.000 WATERPROOF & DAMPPROOF Total Major Item Code 0700.000 WATERPROOF & DAMPPROOF Major Item Code 0790.000 CAULKING & SEALANTS Minor Item Code 0790.000 CAULKING & SEALANTS CAULK AT CLUB 11,000.00 SQFT 1,400.00 SQFT 1,400.00 SQFT Total Minor Item Code 0790.000 CAULKING & SEALANTS Total Major Item Code 0790.000 CAULKING & SEALANTS Major Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS SPECIAL DOORS AT CONCESSIONS Total Minor Item Code 0830.000 SPECIAL DOORS Total Minor Item Code 0830.000 SPECIAL DOORS Major Item Code 0830.000 SPECIAL DOORS Major Item Code 0870.000 HARDWARE Minor Item Code 0870.000 HARDWARE Minor Item Code 0870.000 HARDWARE Total Minor Item Code 0870.000 HARDWARE Total Major Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLASS & LOOLS Total Major Item Code 0880.000 GLASS & Total Minor Item Code 0880.000 GLASS & Total Minor Item Code 0880.000 GLASS & Total Major Item Code 0880.000 GLASS & Total Major Item Code 0880.000 GLASS & Total Major Item Code 0880.000 GLASS &	7 00 0 25 0 25	108,500 \$273,500 \$273,500 \$2,750 350 \$3,100 \$3,100 \$2,420 24,500	
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WATERPROOF & DAMPPROOF Total Major Item Code 0700.000 WATERPROOF & DAMPPROOF Major Item Code 0790.000 CAULKING & SEALANTS Minor Item Code 0790.000 CAULKING & SEALANTS CAULK AT CUUB 11,000.00 SQFT Total Minor Item Code 0790.000 CAULKING & SEALANTS Total Major Item Code 0790.000 CAULKING & SEALANTS Total Major Item Code 0790.000 CAULKING & SEALANTS Major Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS SPECIAL DOORS AT CUUB 11,000.00 SQFT Total Minor Item Code 0830.000 SPECIAL DOORS Total Major Item Code 0830.000 SPECIAL DOORS Total Major Item Code 0830.000 SPECIAL DOORS Major Item Code 0870.000 HARDWARE Minor Item Code 0870.000 HARDWARE Minor Item Code 0870.000 HARDWARE Total Minor Item Code 0870.000 HARDWARE Total Minor Item Code 0870.000 HARDWARE Minor Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLASS & SLASS AT CLUB 11,000.00 SQFT Total Minor Item Code 0880.000 GLASS & Total Major Item Code 0880.000 GLASS & Total Major Item Code 0880.000 GLASS & Total Minor Item Code 0880.000 GLASS & Total Major Item Code 0880.000 GLASS & Total Minor Item Code 0880.000 GLASS & Total Major Item Code 0880.000 GLASS & Total Major Item Code 0880.000 GLASS &	0.25	\$273,500 2,/50 350 \$3,100 \$3,100 2,420 24,500	
Major Item Code 0790.000 CAULKING & SEALANTS	0.25	2,750 350 \$3,100 \$3,100 2,420 24,500	
& DAMPPROOF Major Item Code 0790.000 CAULKING & SEALANTS Mimor Item Code 0790.000 CAULKING & SEALANTS CAULKAT CLUB	0.25	2,750 350 \$3,100 \$3,100 2,420 24,500	
Minor Item Code 0790,000 CAULKING & SEALANTS	0.25	\$3,100 \$3,100 \$3,100 2,420 24,500	
CAULK AT CLUB 11,000.00 SQFT CAULK AT CONCESSIONS 1,400.00 SQFT Total Minor Item Code 0790.000 CAULKING & SEALANTS Total Major Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS SPECIAL DOORS AT CLUB 11,000.00 SQFT Total Minor Item Code 0830.000 SPECIAL DOORS Total Minor Item Code 0830.000 SPECIAL DOORS Total Minor Item Code 0830.000 SPECIAL DOORS Major Item Code 0870.000 HARDWARE Minor Item Code 0870.000 HARDWARE [Minor Item Code 0870.000 HARDWARE] Total Minor Item Code 0870.000 HARDWARE Total Minor Item Code 0870.000 HARDWARE Major Item Code 0870.000 HARDWARE Minor Item Code 0870.000 HARDWARE Minor Item Code 0880.000 GLASS & GLAZING [Minor Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLASS & TOTAL Minor Item Code 0880.000 GLAZING Total Minor Item Code 0880.000 GLASS & TOTAL MINOR ITEM CODE 0880.000 GLASS	0.25	\$3,100 \$3,100 \$3,100 2,420 24,500	
1,400.00 SQFT	0.25	\$3,100 \$3,100 \$3,100 2,420 24,500	
Total Minor Item Code 0790.000 CAULKING & SEALANTS Total Major Item Code 0790.000 CAULKING & SEALANTS Major Item Code 0830.000 SPECIAL DOORS Minor Item Code 0830.000 SPECIAL DOORS	0.22	\$3,100 \$3,100 2,420 24,500	
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DOORS Total Major Item Code 0830,000 SPECIAL DOORS Major Item Code 0870,000 HARDWARE [Minor Item Code 0870,000 HARDWARE CAMPUS LOCKS & DEVICES Total Minor Item Code 0870,000 HARDWARE Total Major Item Code 0870,000 HARDWARE Major Item Code 0880,000 GLASS & GLAZING Minor Item Code 0880,000 GLASS & GLAZING Minor Item Code 0880,000 GLAZING CLASS AT CLUB Total Minor Item Code 0880,000 GLAZING Total Minor Item Code 0880,000 GLASS & Total Minor Item Code 0880,000 GLASS & Total Minor Item Code 0880,000 GLASS &		\$26,920	
Total Major Item Code 0830.000 SPECIAL DOORS Major Item Code 0870.000 HARDWARE [Minor Item Code 0870.000 HARDWARE CAMPUS LOCKS & DEVICES Total Minor Item Code 0870.000 HARDWARE Total Major Item Code 0870.000 HARDWARE Major Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLASS & GLAZING Total Minor Item Code 0880.000 GLAZING Total Major Item Code 0880.000 GLASS &			
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CAMPUS LOCKS & DEVICES 1.00 LS Total Minor Item Code 0870.000 HARDWARE Total Major Item Code 0870.000 HARDWARE Major Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLAZING GLASS AT CLUB 11.000.00 SQFT Total Minor Item Code 0880.000 GLAZING Total Minor Item Code 0880.000 GLAZING Total Minor Item Code 0880.000 GLAZING			
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Total Major Item Code 0870.000 HARDWARE Major Item Code 0880.000 GLASS & GLAZING Minor Item Code 0880.000 GLAZING GLASS AT CLUB 11,000.00 SQFT Total Minor Item Code 0880.000 GLAZING Total Major Item Code 0880.000 GLASS &		\$135,000	
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GLASS AT CLUB 11.000.00 SQFT Total Minor Item Code 0880.000 GLAZING Total Major Item Code 0880.000 GLASS &			
Total Minor Item Code 0880.000 GLAZING Total Major Item Code 0880.000 GLASS &	40.0	was sale	
Total Major I tem Code 0880.000 GLASS &	11.44	125,840	
		\$125,840	
		\$125,840	
Major Item Code 0925.000 GYPSUM DRYWALL			
Minor Item Code 0925.000 GYPSUM DRYWALL	40.00	444 000	
DRYWALL AT CLUB 11,000.00 SQFT DRYWALL AT CONCESSIONS 1,400,00 SQFT	10.39	114,290	
DRYWALL AT CONCESSIONS 1.400.00 SQFT Total Minor Item Code 0925,000 GYPS UM	10.39	14,546 \$128,836	
DRYWALL		9120,030	
Total Major Item Code 0925.000 GYPSUM DRYWALL		\$128,836	
Major Item Code 0930.000 TILE & TERRAZZO			

Sort Sequences: Estimate File: :17 06: 1. Major Item Code 2. Minor Item Code 3. Not Used 4. Not Used			Copt 1D.est - Camp Randall South End Zone B Oct 2017 (Option 1D- 11,000 sqt c Estin Primary Project Cty,03 Secondary Project C Estimate UM; Im			
		Re	port Includes Taxe	s & Insurance		
11(16:33AM	A Control of the Cont	10.00	W-1-1-F	10/19/201		
Description	Quantity	Unit \$	Total \$			
Minor Item Code 0930,000 CERAMIC TILE	17 11 11 17 17 17	6.44	- redails			
CERAMIC AT CLUB	11,000.00 SQFT	4 00	44,000			
Total Minor Item Code 0930.000 CERAMIC			\$44,000			
TILE			N211V22			
Total Major Item Code 0930.000 TILE & TERRAZZO			\$44,000			
Major Item Code 0950 000 ACOUSTICAL TREATM	MENT					
Minor Item Code 0950.000 ACOUSTICAL TRE	ATMENT					
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 I tem Code 0950.000 ACOUSTICAL TREATMENT			\$49,600			
Major Item Code 0955,000 FLOORING						
Minor Item Code 0955,000 WOOD FLOORING		57.77				
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			\$124,000			
FLOORING Total Major Item Code 0955,000 FLOORING			\$124,000			
Major Item Code 0980.000 SPECIAL FINISHES Minor Item Code 0980.000 SPECIAL FINISHES	5					
WATERPOOFING/TRAFFIC COATING	28,380.00 SQFT	12.00	340,560			
Total Minor Item Code 0980.000 SPECIAL FINISHES	20011111		\$340,560			
Total Major Item Code 0980.000 SPECIAL FINISHES			\$340,560			
Major Item Code 0990.000 PAINTING & WALL CO Minor Item Code 0990.000 PAINTING	VERING					
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 & IDENTIFY		200000000	47.55.4			
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			6350 000			
mean a straight and an art season man and a straight a			\$250,000			
Major Item Code 1100.000 EQUIPMENT	WELLEN'S					
Minor Item Code 1113.000 AUDIO-VISUAL EQ			000,000			
AV AT CLUB Total Minor Item Code 1113.000 AUDIO-VISUAL EQUIPMENT	11.000.00 SQFT	32.00	352,000 \$352,000			
AUDIO-VISUAL EQUIPIVIENT						
Minor Item Code 1140.000 FOOD SERVICE EC	ULIPMENT					

Major Item Code Minor Item Code Not Used Not Used		Octo	Secondary	000 sqfl Club), Estimator ect Oty:0 SQFT Project Oty:0 ite UM: Imperial
		Re	port includes Taxes	& Insurance.
11_15:33AM				18/19/2017
Description	Quantity	Unit \$	Total \$	
FOOD SERVICE AT CONCESSION Total Minor Item Code 1140.000 FOOD SERVICE EQUIPMENT	1,400,00 SQFT	9.60	13,440 \$119,040	
Total Major Item Code 1100.000 EQUIPMENT			\$471,040	
Major Item Code 1200.000 FURNISHINGS	= 1/			
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	
OWER GENERAL ADMISSION (GA) SEATS	276 00 EACH	50.00	13,800	
GENERAL ADMISSION (GA) SEATS (1370 TOTAL 408-275)	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 EAGH	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 8	EQUIP			
Minor Item Code 1500.000 PIPE & FITTINGS			77.60	
PLUMBING AT CLUB	11,000.00 SQFT	12.00	132.000	
PLUMBING AT CONCESSIONS	1,400.00 SOFT	8.00	11,200	
PLUMBING NOT AT CLUB	17,000.00 SQFT	6:00	102,000	
PLUMBING UTILITY WORK 1 LEVEL CONCOURSE Total Minor Item Code 1500.000 PIPE &	5,000.00 SQFT	20.00	100,000 \$345,200	
FITTINGS Total Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP			\$345,200	
Major Item Code 1550,000 FIRE PROT SYSTEMS 8	EQUIP			
Minor Item Code 1550,000 PIPE FITTINGS & V.	ALVES			
FIRE PROTECTION AT CLUB	11,000,00 SOFT	3,39	37,290	
FIRE PROTECTION AT CONCESSIONS	1,400.00 SOFT	3.39	4,746	
FIRE PROTECTION NOT AT CLUB	17,000.00 SOFT	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 & EQU	IIPMENT			
Minor Item Code 1560,000 PIPE & FITTINGS		Section 1		
HVAC AT CLUB	11,000.00 SQFT	30.00	330,000	
HVAC AT CONCESSIONS	1,400.00 SQFT	20.00	28,000	
Total Minor Item Code 1560.000 PIPE &	17,000 00 SQFT	20.00	340,000 \$698,000	
FITTINGS Total Major Item Code 1560.000 HVAC SYSTEMS & EQUIPMENT			\$698,000	
Major Item Code 1600.000 ELEC SYSTEMS & EQU				
Minor Item Code 1600.000 HIGH VOLTAGE CO				
ELECTRICAL AT CLUB ELECTRICAL AT CONCESSIONS	11,000.00 SQFT 1,400.00 SQFT	35.00 25.00	385,000 35,000	

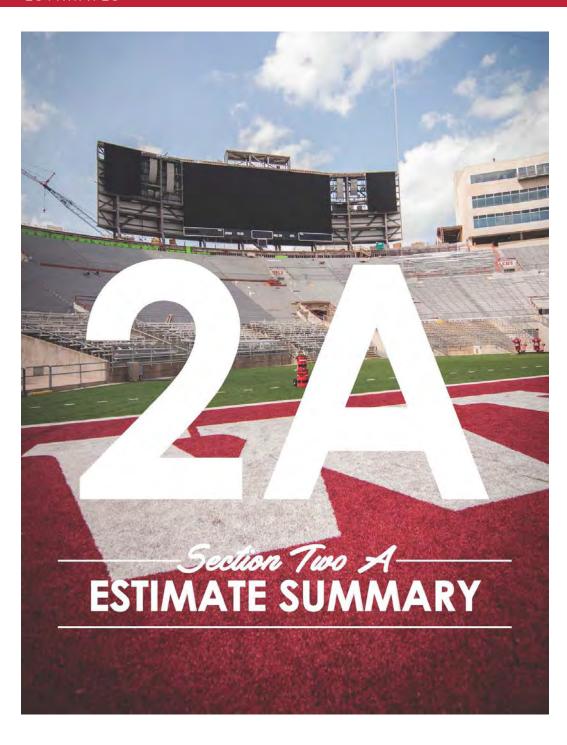
Sort Sequences: 1. Major Item Code 2. Minor Item Code 3. NotUsed 4. NotUsed

Estimate File: 17 0656 South End Zone Budget Opt 1D est - Camp Randall South End Zone Budge Oct 2017 (Option 1D - 11,000 sqft Club)

Estimator Primary Project Oty 0 SQFT Secondary Project Oty 0 Estimate UM Imperial

Report includes Taxes & Insurance.

11:16:33AM 10/19/2017 Unit \$ Description Quantity ELECTRICAL NOT AT CLUB 340,000 ELECTRICAL UTILITY WORK 1 LEVEL CONCOURSE 5,000.00 SQFT 30.00 150,000 Total Minor Item Code 1600.000 HIGH \$910,000 **VOLTAGE CONDUCTORS** Total Major Item Code 1600,000 ELEC \$910,000 SYSTEMS & EQUIPMENT ESTIMATE TOTALS \$13,771,102



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 Metries 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 scating at Site 8, 2,700 sqft of kitchen and support space also at Site 8 under scating, (178) club scats, and (52) loge box scats.
- 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.

Cost Management Detail



PROTECTION

Minor Item Code 0150.000 TEMPORARY UTILITIES

JP CULLEN & SONS INC. PO BOX 1957 JANESVILLE, WI 53547 Phone: (608) 754-6601 Fax: (608) 754-9171

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

Secondary Project City: 0 Estimate UM: Imperial

Report includes Taxes & Insurance. 10:45:14AM 10/19/2017

Description	Quantity	Urift \$	Total \$	3011012011
Major Item Code 0100.000 GENERAL REQUIREME	NTS			
Minor Item Code 0100.000 SUMMARY OF WOF	RK			
45V/K 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			\$1,105,785	
PERSONNEL				
Minor Item Code 0106.000 REGULATORY REQ BUILDING PERMIT **NOT REQ!D - DFD**	1.00 LS			
DNR 10-DAY DEMO PERMIT		200.00	200	
Total Minor Item Code 0106.000	1.00 LS	200.00	\$200	
REGULATORY REQUIREMENTS			\$200	
Minor Item Code 0107.000 MISC GENERAL RE	QUIREMENTS			
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		0.00	
Total MinorItem 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 Minoritem Code 0140.000 QUALITY CONTROL			\$63,300	
Minor Item Code 0149,000 WEATHER PROTEC	TION			
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			\$57,096	

Sort Sequences: 1. Major Item Code 3. NotUsed

4. NotUsed

2. Minor Item Code

Estimate File: 17 0656 South End Zone Budget Opt 2A.e.st.- Camp Randali South End Zone Budge

Oct 2017 (Option 2A - Terrace Club)

Estimator Primary Project Qty 0 SQFT Secondary Project Qty 0 Estimate LM: Imperial

Report includes Taxes & Insurance.

10:45:14AM		_		10/19/201
Description	Quantity	Unit \$	Total \$	12014064
TEMP ELECTRIC WIRING	1.00 LS	8.440.00	8.440	
TEMP ELECTRIC POWER **USE OWNERS**	1.00 MO	5,440.00	0,440	
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	11.00 MG	310.30	\$25,109	
TEMPORARY UTILITIES			\$25,105	
Minor Item Code 0151.000 JOB EQUIPMENT				
EQUIPMENT REPAIR	1.00 LS	48.254.00	48,254	
		100	200,000	
EQUIPMENT TRANSPORTATION	16.00 TRIP	543.92	8.703	
Total Minor Item Code 0151.000 JOB			\$56,957	
EQUIPMENT	ina			
Minor Item Code 0152,000 CONSTRUCTION		5 50244	- S256	
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			\$286,463	
CONSTRUCTION AIDS				
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	68/35/35		\$16,262	
OFFICE STRUCTURES			4,0,00	
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	11.50 1110	200.70	\$26,692	
OFFICE SUPPLIES			420,032	
Minor Item Code 0169.000 INSURANCE				
BLDRS RISK INSURANCE 09/100	1 00 C	0.00	0	
Total Minor Item Code 0169.000	1000	U.M	SO.	
INSURANCE			50	
Minor Item Code 0189,000 MISC FEES & OVE	DUEAD			
ARCHITECT/ENGINEERS FEES	1.00 LS			
Total Minor Item Code 0189.000 MISC FEES				
& OVERHEAD	200		14141244	
Total Major Item Code 0100.000 GENERAL REQUIREMENTS	UNIT		\$1,712,742	
Major Item Code 0190,000 MISC OVERHEAD	18			
Minor Item Code 0190.000 MISC OVERHEAD				
OT/SHIFT PREMIUM (3.5% OF CONST COST)	0,000,000 00 \$DOL	0.04	700,000	
CONTRACTOR'S BOND	1.00 LS	107.331.00	107,331	
PAYROLL TAXES & INSURANCE	1.00 LS			

Major Item Code Minor Item Code NotUsed NotUsed NotUsed			Secondary	Estimator. ect Qty. 0 SQFT y Project Qty. 0 ste UM: Imperial
		Re	port includes Taxe	s & Insurance.
10:45:14AM				10/19/2017
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				
DH. 8 P.	1.00 LS			
Total Minor Item Code 0198.000 PROJECT MARKUP	1.00 LS			
Total Major Item Code 0198.000 PROJECT MARKUP	UNIT			
Major Item Code 0240.000 SHORING & BRACING				
Minor Item Code 0240,000 SHORING & BRACII	VG			
MICROPILES AT 0.9 LINE	40.00 EACH	9,000.00	360,000	
OWER 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 SOFT	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 & PLANTIN	GS.			
FIELD TURF REMOVAL (230' x 200')	46,000 00 SQFT	3.67	168,639	
FIELD TURF INSTALL. Total Minor Item Code 0280.000 LAWNS &	46,000.00 SQFT	5.00	230,000 \$398,639	
PLANTINGS			\$330,033	
Total Major Item Code 0280,000 LAWNS &			\$398,639	
PLANTING				
Major Item Code 0300.000 CONCRETE FINISHING				
Minor Item Code 0300,000 CONCRETE FINISH				
CONCRETE AT GLUB.	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			\$54,900	
FINISH			200 200	
Total Major Item Code 0300.000 CONCRETE FINISHING			\$54,900	
Major Item Code 0310.000 FORM WORK	- 30			
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	

Estimate File: 17 0656 South End Zone Budget Opt 2A est - Camp Randali South End Zone Budge Sort Sequences: 1 Major Item Code Oct 2017 (Option 2A - Terrace Club) 2. Minor Item Code 3. NotUsed Primary Project City:0 SQFT Secondary Project City: 0 Estimate UM: Imperial 4. Not Used Report Includes Taxes & Insurance. 10:45:14AM 10/19/2017 Total \$ Unit \$ 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 SOFT EACH) 12.00 EACH 4.500.00 54,000 SITE 8 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.SOFT 3.71 50.085 TOPPING SLAB AT PRECAST PLANK 4" SITE 8 5,400,00 SOFT 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 135,240.00 SDOL 0.04 5,508 Total Minor Item Code 0319.000 MISC FORM \$391,460 Total Major Item Code 0310.000 FORM WORK SQFT \$414,695 Major Item Code 0320,000 REINFORCING STEEL Minor Item Code 0321,000 RE-BARS CONCRETE REBAR, ERECTION, HOISTING IN CONC. 1.00 LS Total Minor Item Code 0321.000 RE-BARS Total Major I tem Code 0320.000 REINFORCING Major Item Code 0330.000 CAST-IN-PLACE CONCRETE Minor Item Code 0330,000 CAST-IN-PLACE CONCRETE 0.05 19,599 CONCRETE EQUIPMENT 391.988.00 SDOL CONCRETE OH 391,988.00 \$DOL 0.10 39,199 Total Minor Item Code 0330.000 \$58,798 CAST-IN-PLACE CONCRETE Total Major Item Code 0330.000 \$58,798 CAST-IN-PLACE CONCRETE Major Item Code 0340.000 PREGAST CONCRETE Minor Item Code 0340.000 PRECAST CONCRETE ERECT PRECAST COLUMNS EXTENSIONS 20.00 EACH 4,716.98 94,340 PREACST 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 211.00 242,650 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 41,922 166.36 PRECAST PLANK MATERIAL 13,500.00 SQFT 13.72 185 153 13,500.00 SOFT GROUT PRECAST PLANK 9.888 0.73 415.90 ERECT PRECAST TREAD/RISER 113.00 EACH 46.996 PRECAST TREAD/RISER MATERIAL (TREAD AREA 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 FACH 7,500.00 30,000 PRECAST ELEVATOR EXTENSION (25' X 60' FLOOR 1,500.00 SOFT 178.57 267,855

1. Major tiem Code 2. Minor tiem Code 3. Not Used 4. Not Used			Secondary	Terrace Club) Estimator ect Oty:0 SQFT Project Oty:0 ite UM: Imperial
10:45:14AM		Ri	eport includes Taxe	8 Insurance.
Description	Quantity	Unit'S	Total \$	10/19/2017
		- 1000	596.7607	
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 SDOL	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			\$4,657,887	
Major Item Code 0400.000 MASONRY				
Minor Item Code 0400,000 MASONRY MASONRY DIVISION MANAGER **2% MASONRY	51,187.00 SDOL	0.03	1,347	
LABOR**	21, 101 IN SECT	0.03	1,547	
MASONRY AT CLUB	7,500.00 SQFT	4 00	30,000	
MASONRY AT CONCESSIONS	1,400.00 SQFT	23.75	33,250	
	40.000000000000000000000000000000000000			
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 MAS ONRY			\$169,414	
Major Item Code 0480,000 DEMO	CMOUTION			
Minor Item Code 0480,000 INTERIOR WALL I		0.40	40 000	
REMOVE MASONRY PART.	1,660.00 SQFT	6.43	10,672	
MISC REMOVALS AT CONCESSIONS Total Minor Item Code 0480,000 INTERIOR	1.00 LS	12.051.99	12.052 \$22,724	
WALL DEMOLITION Minor Item Code 0485,000 INTERIOR SELECT	TIVE DEMOLITION			
REMOVE BLEACHERS - PERMANENT	9.464 00 LNFT	6.53	61.778	
Total Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION	200.000		\$61,778	
Minor Item Code 0489,000 DEMOLITION PRO	TECTION			
TEMP PROTECTION AT MECH ROOM	4,250,00 SOFT	30.00	127,500	
TEMPORARY PROTECTION	1.00 LS	73,720.00	73,720	
DEMO PROTECTION EQUIPMENT	201,748.00 SDOL	0.05	10,087	
DEMO PROTECTION OH	201,748.00 SDOL	0.10	20.175	
Total Minor Item Code 0489.000 DEMOUTION PROTECTION	201,740.00 SDOL	0.10	\$231,482	
Minor Item Code 0490.000 EXTERIOR BUILD	NG DEMOLITION			
REMOVE CONCRETE FOOTINGS SITE 8	384.00 SQFT	15,57	5,980	
REMOVE SOG SITE 8	0,500.00 SQFT	9.20	78,241	
SAWCUT SOG FOR DEMO SITE 8	5.860.00 LNFT	5.75	33.700	
REMOVE PRECAST TREAD/RISERS	234.00 EACH	1,470,90	344,190	
REMOVE PRECAST TREAD/RISERS	52.00 EACH	2,803,16	145,764	
REMOVE WALL PANELS		2,629.87		
	18 00 EACH		47,33B	
REMOVE VOM PCS (HEADER, BEAM, PANELS)	24,00 EACH	1,838.62	44,127	

Estimate File: 17 0656 South End Zone Budget Opt 2A.est - Camp Randall South End Zone Budge Sort Sequences: Oct 2017 (Option 2A - Terrace Club) 1. Major Item Code Estimator Primary Project Qty 0_SQFT 2. Minor Item Code 3 Notlised Secondary Project Oty 0 4. NotUsed Estimate UM: Imperial Report includes Taxes & Insurance. 10:45:14AM 10/19/2017 Unit S Description Quantity REMOVE PRECAST CAMERA BOOTH 1.00 EACH 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 352.00 HRS 500,00 176,000 PRECAST, 2 MOS DEMO) 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 182,793 1,827,927.00 SDOL 0.10 Total Minor Item Code 0490.000 EXTERIOR \$2,065,030 BUILDING DEMOLITION 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 1.70 12,750 STEEL AT CLUB 7.500.00 SQFT STEEL AT CONCESSIONS 1,400.00 SOFT 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 150,000 75,000.00 Total Minor Item Code 0500.000 STEEL \$174,310 GENERAL CONDITIONS Total Major Item Code 0500.000 STRUCTURAL \$174,310 METALS Major Item Code 0550.000 MISC.IRON - IRONWORKER Minor Item Code 0550.000 MISC IRON - IRONWORKER 3-LINE RAIL AT PRECAST STAIRS/YOMS 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 875.00 LNFT 400 00 350,000 0.05 MISC IRON/STEEL EQUIPMENT 761,810.00 \$DOL 38,091 MISC IRON/STEEL O.H. 761,810,00 \$DOL 0.10 76,181 Total Minor Item Code 0550,000 MISC IRON \$701,772 - IRONWORKER Total Major Item Code 0550.000 MISC.IRON -\$701,772 IRONWORKER 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 SDOL 0.03 7.529 CARPENTRY O.H. 250,965.00 SDOL 0.10 25,097 Total Minor Item Code 0640.000 CUSTOM \$283,590 WOODWORK Total Major I tem Code 0640.000 CUSTOM \$283,590 WOODWORK Major Item Code 0700.000 WATERPROOF & DAMPPROOF Minor Item Code 0700.000 WATERPROOF & DAMPPROOF

Page

11.200.00 SQFT

15.00

168,000

HORIZONTAL WATERPROOFING AT TERRACE

Major Item Code Minor Item Code Not Used Not Used Not Used			Secondary	Estimator. ect Oty. 0 SQFT Project Cty. 0 te UM. Imperia
		Re	port includes Taxes	& Insurance.
10:45:14AM				10/19/2012
Description	Quantity	Unit \$	Total \$	
SPRAY INSULATION Total Minor Item Code 0700.000 WATERPROOF & DAMPPROOF	14,000.00 SQFT	7.00	98,000 \$266,000	
Total Major Item Code 0700,000 WATERPROOF & DAMPPROOF			\$266,000	
Major Item Code 0790,000 CAULKING & SEALANTS	3			
Minor Item Code 0790,000 CAULKING & SEALA				
CAULKAT 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	6/5	
CAULK AT RESTROOMS	2,700.00 SOFT	0.25	675	
Total Minor Item Code 0790.000 CAULKING & SEALANTS	2,730,000,000	1949	\$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	and the control of	0.45	\$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	15.44	30,888	
GLASS AT RESTROOMS	2,700.00 SOFT	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 I tem 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	

Major Item Code Minor Item Code Not Used Not Used			Secondary	Ferrace Club) Estimator ect Oty: 0 SQF Project Oty: 0 ite UM; Imperia
10:45:14AM		Re	port 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			\$192,000	
TILE			- Course	
Total Major Item Code 0930.000 TILE &			\$192,000	
TERRAZZO				
Major Item Code 0950,000 ACOUSTICAL TREATM	ENT			
Minor Item Code 0950,000 ACOUSTICAL TREA	TMENT			
ACOUSTIC AT CLUB	7,500.00 SQFT	4.00	30,000	
ACQUISTIC AT CONCESSIONS	1,400.00 SQFT	4.00	5,600	
ACOUSTIC AT KITCHEN	2,700.00 SOFT	4.00	10,800	
ACQUISTIC AT RESTROOMS	2.700.00 SOFT	4.00	10,800	
Total Minor Item Code 0950.000			\$57,200	
ACOUSTICAL TREATMENT				
Total Major I tem 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			\$143,000	
FLOORING			4114 704	
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			\$294,000	
FINISHES				
Total Major Item Code 0980.000 SPECIAL			\$294,000	
FINISHES				
Major Item Code 0990.000 PAINTING & WALL COV	ERING			
Minor Item Code 0990.000 PAINTING				
PAINT AT CLUB	7,500,00 SQFT	2 30	17,250	
PAINT AT CONCESSIONS	1,400.00 SQFT	2.30	3,220	
PAINT AT KITCHEN	2,700.00 SQFT	2.30	6,210	
PAINT 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	No DELIGICA			
Minor Item Code 1040,000 SIGNS & IDENTIFY		15 000 00	The more	
WAYFINDING SIGNAGE	1,00 LS	75,000.00	75,000	
GRAPHICS Total Minor Item Code 1040.000 SIGNS &	1.00 LS	400.000.00	400,000	
I oral miller itelli code 1040.000 SIGNS &			\$475,000	

1. Major tiem Code 2. Minor tiem Code 3. Not Used 4. Not Used			Secondary	Terrace Club) Estimator ect Oty:0 SQFT Project Oty:0 ite UM: Imperial
10:45:14AM		Ri	eport includes Taxe	8 Insurance.
Description	Quantity	Unit'S	Total \$	10/19/2017
		- 1000	596.7607	
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 SDOL	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	51,187.00 SDOL	0.03	1,347	
LABOR**	21, 101 IN SECT	0.03	1,547	
MASONRY AT CLUB	7,500.00 SQFT	4 00	30,000	
MASONRY AT CONCESSIONS	1,400.00 SQFT	23.75	33,250	
	40.000000000000000000000000000000000000			
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 MAS ONRY			\$169,414	
Major Item Code 0480,000 DEMO	CMOUTION			
Minor Item Code 0480,000 INTERIOR WALL I		0.40	40 000	
REMOVE MASONRY PART.	1,660.00 SQFT	6.43	10,672	
MISC REMOVALS AT CONCESSIONS Total Minor Item Code 0480,000 INTERIOR	1.00 LS	12.051.99	12.052 \$22,724	
WALL DEMOLITION Minor Item Code 0485,000 INTERIOR SELECT	TIVE DEMOLITION			
REMOVE BLEACHERS - PERMANENT	9.464 00 LNFT	6.53	61.778	
Total Minor Item Code 0485.000 INTERIOR SELECTIVE DEMOLITION	200.000		\$61,778	
Minor Item Code 0489,000 DEMOLITION PRO	TECTION			
TEMP PROTECTION AT MECH ROOM	4,250,00 SOFT	30.00	127,500	
TEMPORARY PROTECTION	1.00 LS	73,720.00	73,720	
DEMO PROTECTION EQUIPMENT	201,748.00 SDOL	0.05	10,087	
DEMO PROTECTION OH	201,748.00 SDOL	0.10	20.175	
Total Minor Item Code 0489.000 DEMOUTION PROTECTION	201,740.00 SDOL	0.10	\$231,482	
Minor Item Code 0490.000 EXTERIOR BUILD	NG DEMOLITION			
REMOVE CONCRETE FOOTINGS SITE 8	384.00 SQFT	15,57	5,980	
REMOVE SOG SITE 8	0,500.00 SQFT	9.20	78,241	
SAWCUT SOG FOR DEMO SITE 8	5.860.00 LNFT	5.75	33.700	
REMOVE PRECAST TREAD/RISERS	234.00 EACH	1,470,90	344,190	
REMOVE PRECAST TREAD/RISERS	52.00 EACH	2,803,16	145,764	
REMOVE WALL PANELS		2,629.87		
	18 00 EACH		47,33B	
REMOVE VOM PCS (HEADER, BEAM, PANELS)	24,00 EACH	1,838.62	44,127	

Estimate File: 17 0656 South End Zone Budget Opt 2A.est - Camp Randall South End Zone Budge Sort Sequences: Oct 2017 (Option 2A - Terrace Club) 1. Major Item Code Estimator Primary Project Qty 0_SQFT 2. Minor Item Code 3 Notlised Secondary Project Oty 0 4. NotUsed Estimate UM: Imperial Report includes Taxes & Insurance. 10:45:14AM 10/19/2017 Unit S Description Quantity REMOVE PRECAST CAMERA BOOTH 1.00 EACH 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 352.00 HRS 500,00 176,000 PRECAST, 2 MOS DEMO) 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 182,793 1,827,927.00 SDOL 0.10 Total Minor Item Code 0490.000 EXTERIOR \$2,065,030 BUILDING DEMOLITION 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 1.70 12,750 STEEL AT CLUB 7.500.00 SQFT STEEL AT CONCESSIONS 1,400.00 SOFT 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 150,000 75,000.00 Total Minor Item Code 0500.000 STEEL \$174,310 GENERAL CONDITIONS Total Major Item Code 0500.000 STRUCTURAL \$174,310 METALS Major Item Code 0550.000 MISC.IRON - IRONWORKER Minor Item Code 0550.000 MISC IRON - IRONWORKER 3-LINE RAIL AT PRECAST STAIRS/YOMS 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 875.00 LNFT 400 00 350,000 0.05 MISC IRON/STEEL EQUIPMENT 761,810.00 \$DOL 38,091 MISC IRON/STEEL O.H. 761,810,00 \$DOL 0.10 76,181 Total Minor Item Code 0550,000 MISC IRON \$701,772 - IRONWORKER Total Major Item Code 0550.000 MISC.IRON -\$701,772 IRONWORKER 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 SDOL 0.03 7.529 CARPENTRY O.H. 250,965.00 SDOL 0.10 25,097 Total Minor Item Code 0640.000 CUSTOM \$283,590 WOODWORK Total Major I tem Code 0640.000 CUSTOM \$283,590 WOODWORK Major Item Code 0700.000 WATERPROOF & DAMPPROOF Minor Item Code 0700.000 WATERPROOF & DAMPPROOF

Page

11.200.00 SQFT

15.00

168,000

HORIZONTAL WATERPROOFING AT TERRACE

Sort Sequences: Estimate File: 17 065 1 Major Item Code 2. Minor Item Code 3. Not Used 4. Not Used	6 South End Zone Bud		et 2017 (Option 2A - Primary Proje Secondary	
		Re	port includes Taxe	s & Insurance.
10:45:14AM				10/19/201
Description	Quantity	Unit \$	Total \$	
SPRAY INSULATION Total Minor Item Code 0700.000	14,000.00 SQFT	7.00	98,000	
WATERPROOF & DAMPPROOF			\$266,000	
Total Major Item Code 0700,000 WATERPROOF & DAMPPROOF			\$266,000	
Major Item Code 0790,000 CAULKING & SEALANT	S			
Minor Item Code 0790,000 CAULKING & SEAL	ANTS			
CAULKATCLUB	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	6/5	
CAULK AT RESTROOMS	2,700.00 SOFT	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	
Total Minor Item Code 0830.000 SPECIAL DOORS	2,700.00 SQFT	0.22	\$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			\$200,000	
HARDWARE				
Total Major I tem 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	
BLASS AT RESTROOMS	2,700.00 SOFT	11.44	30,888	
WHING 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 DRYWALI				
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 SQF1	10.39	28,053	
Total Minor Item Code 0925.000 GYPSUM DRYWALL			\$148,577	
Total Major Item Code 0925,000 GYPSUM DRYWALL			\$148,577	
100 F00 500				
	Page 7			

Sort Sequences: Estimate File: :17 065 1. Major Item Code 2. Minor tem Code 3. Not Used 4. Not Used	6 South End Zone Bud		Oct 2017 (Option 2A - Primary Proje Secondary	Terrace Club) Estimator
10:45:14AM		Re	aport includes Taxes	& Insurance.
Description Description	Quantity	Unit \$	Total \$	10/19/201
Major Item Code 0930.000 TILE & TERRAZZO	3,000			
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	21/2/10/2/2017	7000	\$192,000	
Total Major Item Code 0930.000 TILE & TERRAZZO			\$192,000	
Major Item Code 0950,000 ACOUSTICAL TREATM	ENT			
Minor Item Code 0950,000 ACOUSTICAL TREA				
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		-5400	mack TTU	
TRAFFIC COATING Total Minor Item Code 0980.000 SPECIAL	24,500.00 SQFT	12.00	294.000 \$294.000	
FINISHES Total Major Item Code 0980.000 SPECIAL			\$294,000	
FINISHES				
Major Item Code 0990.000 PAINTING & WALL COV Minor Item Code 0990.000 PAINTING	ERING			
PAINT AT CLUB	7,500.00 SQFT	2 30	17,250	
PAINT AT CONCESSIONS	1,400.00 SQFT	2.30	3,220	
PAINT AT KITCHEN	2,700.00 SQFT	2.30	6,210	
PAINT 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 & IDENTIFY	NG 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	1 400 600	400.000.00	\$475,000	

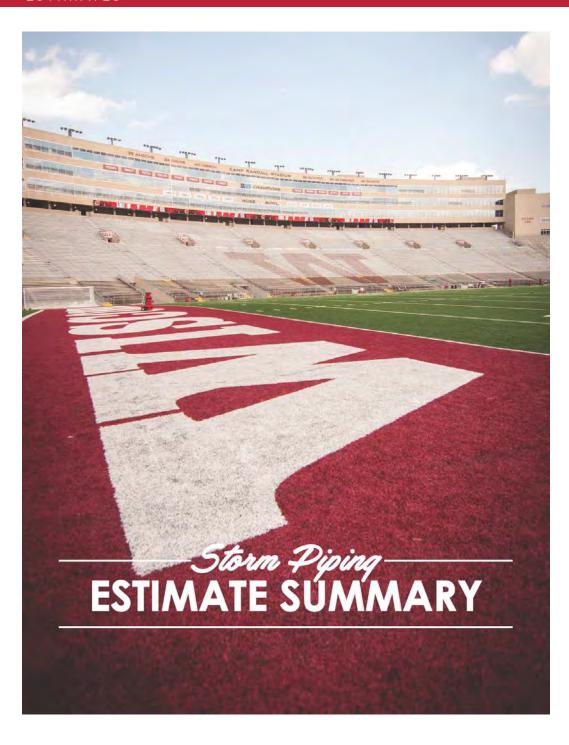
UNIVERSITY OF WISCONSIN-MADISON | CAMP RANDALL SOUTH END ZONE RENOVATION FEASIBILITY STUDY

ESTIMATES

Minor Item Code Not Used NotUsed			Secondary	Estimator ct Oty:0 SQFT Project Qty:0 te UM: Imperial
10:45:14AM		Re	eport includes Taxes	& Insurance.
Description	Quantity	Unit \$	Total \$	10/13/2017
Total Major Item Code 1000.000 SPECIALTIES	Construct I	100000	\$475,000	
and the charter of the feet for the experience			4-10,000	
Major Item Code 1100.000 EQUIPMENT				
Minor Item Code 1113,000 AUDIO-VISUAL EQU				
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 EQ	UIPMENT			
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 SOFT	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 MULΠPLE			\$149,100	
SEATING				
Total Major Item Code 1200.000 FURNISHINGS			\$149,100	
Major Item Code 1410,000 ELEVATORS & CONVEY				
Minor Item Code 1410 000 ELEVATORS & ESC	THE RESERVE AND ADDRESS OF THE PARTY OF THE	The section		
ELEVATOR EXTENSION/NEW	1.00 LS	350,000.00	350,000	
Total Minor Item Code 1410.000			\$350,000	
ELEVATORS & ESCALATORS				
Total Major Item Code 1410.000 ELEVATORS & CONVEYING SYSTEMS			\$350,000	
Major Item Code 1500.000 PLUMBING SYSTEMS &	EQUIP			
Minor Item Gode 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 I 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 & VA	ALVES			
Minor Item Code 1550.000 PIPE, FITTINGS & VA FIRE PROTECTION AT CLUB	7,500.00 SOFT	3.39	25,425	

Estimate File: 17 0656 South End Zone Budget Opt 2A est - Camp Randall South End Zone Budge Sort Sequences: Oct 2017 (Option 2A - Terrace Club) 1. Major Item Code Estimator Primary Project Oty 0 SQFT Secondary Project Oty 0 2. Minor Item Code 3. NotUsed 4. NotUsed Estimate LM: Imperial Report includes Taxes & Insurance. 10:45:14AM 10/19/2017 FIRE PROTECTION AT KITCHEN Unit \$ Description Quantity 2,700.00 SQF FIRE PROTECTION AT RESTROOMS 2,700.00 SQFT 3.39 9,153 FIRE PROTECTION NOT AT CLUB 17,200.00 SQFT 68.800 4.00 Total Minor Item Code 1550.000 \$117,277 PIPE, FITTINGS & VALVES Total Major Item Code 1550.000 FIRE PROT \$117,277 SYSTEMS & EQUIP 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 SOFT 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 & \$1,067,000 Total Major Item Code 1560,000 HVAC \$1,067,000 SYSTEMS & EQUIPMENT Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT Minor Item Code 1600.000 HIGH VOLTAGE CONDUCTORS 7,500.00 SQFT 262,500 ELECTRICAL AT CLUB 35.00 **ELECTRICAL AT CONCESSIONS** 1,400.00 SOFT 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 150,000 5.000.00 SQFT 30.00 ELECTRICAL UTILITY WORK SITE 8 8,500.00 SOFT 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 \$1,916,500 **VOLTAGE CONDUCTORS** Total Major Item Code 1600.000 ELEC \$1,916,500 SYSTEMS & EQUIPMENT ESTIMATE TOTALS \$20,159,500

Page 1



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.

Cost Management Detail JP CULLEN & SONS INC. PO BOX 1957 JANESVILLE, WI 53547 Phone: (608) 754-6601 Fax: (608) 754-9171 Sort Sequences: 1. Major Item Code Estimate File: :17 0656 South End Zone Budget Opt 3 Add to 2A.est - Camp Randall South End Zone Budget Oct 2017 (Option 3 - Terrace Club Add Seats), 2. Minor Item Code Primary Project Qty.0 SQFT 3 NotUsed Secondary Project City. 0 4. Not Used Estimate UM: Imperial Report includes Taxes & Insurance. 4:11:16PM 10/19/2017 Description 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 Minoritem Code 0100.000 SUMMARY \$91,387 OF WORK Total Major Item Code 0100.000 GENERAL UNIT \$91,387 REQUIRÉMENTS Major Item Code 0190,000 MISC OVERHEAD Miner Item Code 0190.000 MISC OVERHEAD OT/SHIFT PREMIUM (3.5% OF CONST COST) 1,100,000.00 \$DOL 0.04 38,500 CONTRACTOR'S BOND 1.00 LSH 7,100.00 7.100 Total Minor Item Code 0190.000 MSC \$45,600 OVERHEAD Total Major Item Code 0190.000 M/SC UNIT \$45,600 OVERHEAD Major Item Code 0340.000 PRECAST CONCRETE Minor Item Code 0340,000 PRE CAST CONCRETE ERECT PRECAST RAKERS 10:00 EACH 693.16 6,932 PRECAST RAKER MATERIAL 150.00 LNFT 400.00 60,000 ERECT PRECAST TREAD/RISER 40.00 EACH 415.90 16.636 PRECAST TREAD/RISER MATERIAL 2.700.00 SQET 202,500 75.00 ERECT PRECAST WALL PANELS 40.00 EACH 519.87 20.795 PRECAST WALL PANEL MATERIAL 1,200.00 SQFT 45.00 54,000 PRECAST STAIR UNITS 4.00 EACH 30,000.00 120,000 CAULK AT PRECAST 1.00 LS 10,000.00 10,000 CRANE AT PRECAST 80.00 HRS 500.00 40,000 TEMPORARILY BRACE EXISITING STRUCTURE 1.00 LS 75,000.00 75,000 PRECAST EQUIPMENT 605,862,00 \$DOL 0.03 18,176 PRECAST O.H. 605,862.00 \$DOL 0.10 60.586 Total Minor Item Code 0340.000 PRECAST \$684,624 CONCRETE Total Major Item Code 0340.000 PRECAST \$684,624 CONCRETE Major Item Code 0550.000 MISC.IRON - IRONWORKER

210.00 LNFT

250.00

52,500

\$52,500

\$52,500

Minor Item Code 0550.000 MISC IRON - IRONWORKER

Total Minor Item Code 0550.000 MISC IRON

Total Major Item Code 0550.000 M SCJRON -

Major Nem Code 0980,000 SPECIAL FINISHES
Minor Item Code 0980,000 SPECIAL FINISHES

- IRONWORKER

IRONWORKER

Sort Sequences: Estimate File. :1

1. Major Item Code
2. Minor Item Code

3 Notlised

4. Not Used

Estimate File: .17 0656 South End Zone Budget Opt 3 Add to 2A.est - Camp Randall South End Zone Budget Opt 2017 (Option 3 - Terrace Club Add Seats)

Estimator: Primary Project Qly 0 SQFT

Secondary Project City 0 Secondary Project City 0 Estimate UM Imperial

Report includes Taxes & Insurance.
F1112.1110

4:11:16PM				10/19/201
Description	Quantity	Unit \$	Total \$	
TRAFFIC COATING	3,960.00 SQFT	12.00	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	3			
CLUB SEATS	464.00 EACH	350.00	162,400	
DRINK RAIL SEATS	42:00 EACH	350.00	14,700	
Total Minor Item Code 1270.000 MULTIPLE SEATING			\$177,100	
Total Major I tem Code 1200.000 FURNISHINGS			\$177,100	
Major Item Code 1500,000 PLUMBING SYSTEMS 8	EQUIP			
Minor Item Code 1500.000 PIPE & FITTINGS				
PLUMBING NOT AT CLUB	2,700.00 SQFT	6.00	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 8	EQUIP			
Minor Item Code 1550,000 PIPE, FITTINGS & VA	ALVES			
FIRE PROTECTION NOT AT CLUB	2.700.00 SQFT	4,00	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 & EQU	IPMENT			
Minor Item Code 1560,000 PIPE & FITTINGS				
HVAC NOT AT CLUB	2,700.00 SQFT	20.00	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 & EQU	IPMENT			
Minor Item Code 1600.000 HIGH VOLTAGE CO	NDUCTORS			
ELECTRICAL NOT AT CLUB	2,700.00 SQFT	20.00	54,000	
Total Minor Item Code 1600.000 HIGH VOLTAGE CONDUCTORS	The state of the s		\$54,000	
Total Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT			\$54,000	
ESTIMATE TOTALS			\$1,233,731	
			- Value	

Page :

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

	-	DDE ISSUE -	
TRADE/ITEM	-	/MEDIATE	COMMENTS/DESCRIPTION
TRADE/TIENT		RRECTION	COMMENTS/DESCRIPTION
Fieldhouse - Built 1928, Partial Remodel 198			
Plumbing	0, 20	03, 2010	
Fluitibilig			
Fire Protection			
HVAC			
Architectural			Tuelos inticos is product. Lost do se 1005, product
	_	500.000	Tuckpointing is needed. Last done 1995, mortar
Exterior Wall	\$		does not match and not done well.
Exterior Caulking	\$	28,000	
			Stonework is actually a glazed clay product called
			Faience. It is cracked and broken and needs to be
Repair stone trim & wall masonry	\$	500,000	replaced.
Windows	\$		Single pane glass, metal frames, asbestos caulking
Exterior Doors	\$	24,000	Metal doors 2004. Paint wood frames.
			Exits at grade have asphalt rames that donot meet
Site Conditions-sidewalks/fences/etc	\$	10,000	ADA.
Fieldhouse exterior plaza	\$	640,934	
Historic condition reports	\$	125,000	
Electrical			
Lighting-Exterior Decorative Lighting	\$	75,000	
	Ė	-,,,,,,	
TOTALS	\$	3,256,184	



Area of Field House Exterior Plaza

WEST SIDE PRESS BOX



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



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

> JANESVILLE MADISON MILWAUKEE

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-tex 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.

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 eight 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.

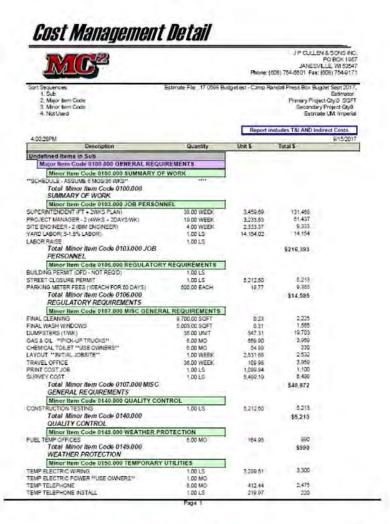
CAMP RANDALL PRESS BOX



Cost of Construction

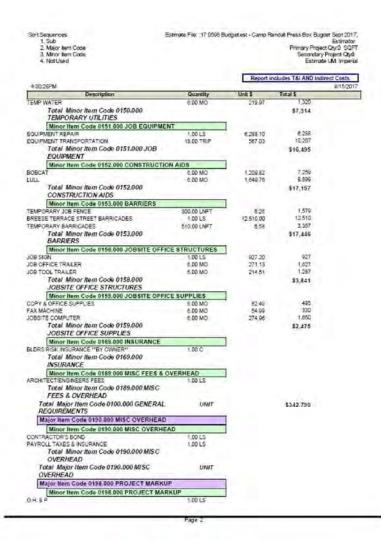
\$3,458,516



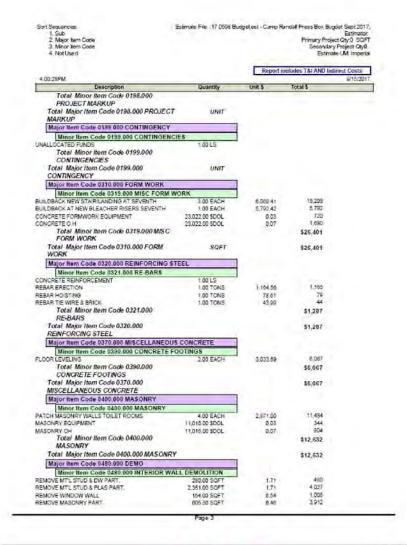




5 | Page









Sort Sequences 1. Sub 2. Major Item Code 3. Minor Item Code 4. NotUsed	Estmate File: : 17 056/6 Bi	out on the land	Primary Proje Secondar	Estimator xct Qty 0 SQF y Project Qty 0 te UM Imperio
Tanana I		Report is	neludes TB: AND Inc	
4:00:28PM Description	Quantity	Unit \$	Total \$	9/15/201
REMOVE HM FRAME	E 00 UNIT	40.03	392	
REMOVE GATE	3.00 UNIT	9127	274	
REMOVE HM DOOR	ILOO UNIT	50.10	401	
WALL DEMO EQUIPMENT	10,086.00 SDOL	0.03	315	
WALL DEMO OH	18,086.00 SDOL	0.07	735	
Total Minor Item Code 0480.000 INTERIOR WALL DEMOLITION	Treplace and Marrial	401	\$11,543	
Minor Item Code 0482 000 INTERIOR FLO	OR DEMOLITION	15		
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 3DOL	0.03	164	
FLOOR DEMO DH	5.243.00 SDOL	0.07	383	
Total Minor Item Code 0482.000 INTERIOR FLOOR DEMOLITION	- a term work	201	\$6,012	
Minor Item Code 0485.000 INTERIOR SEL	ECTIVE			
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	and to our struct	941	\$19,264	
Minor Item Code 0489,000 DEMOLITION F	PROTECTION			
TEMP, PART 2X4	4,756,00 LNFT	2.29	10.014	
TEMP, PART VISQUEEN	7.080.00 SQFT	0.68	4.790	
FLOOR PROTECTION	1,401.00 SQFT	1.09	2.383	
DEMO PROTECTION EQUIPMENT	17:328:00 SDOL	0.03	542	
DEMO PROTECTION OH	17.328.00 SDOL	0.07	1.265	
Total Minor Item Code 0489,000 DEMOLITION PROTECTION			\$19,871	
Minor Item Code 0490,000 EXTERIOR BUI	ILDING			
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			\$85,702	
Major Item Code 0554,000 MISC IRON - CARS Minor Item Code 0554,000 METAL FABRIC				
MODIFY STAIR RAILINGS	2.00 EACH	1,570.99	9,158	
Total Minor Item Code 0554.000 METAL FABRICATIONS	a se acuell	1,478,48	\$3,158	
Total Major Item Code 0554.000 MISGJRON - CARPENTER			\$3,158	
Major Item Code 0600.000 ROUGH CARPENT	TRY			
Minor Item Code 9690,000 ROUGH CARP	ENTRY			
ROUGH CARPENTRY (GSF)	9,690,00 SQFT	1.04	10,102	
BUILDBACK AT SECURITY RISERS	1.00 EACH	15,252.30	15,252	
ROUGH CARPENTRY EQUIPMENT	21,716,00 SDOL	0.03	679	
ROUGH CARPENTRY OH	21,718.00 SDOL	0.07	1,585	

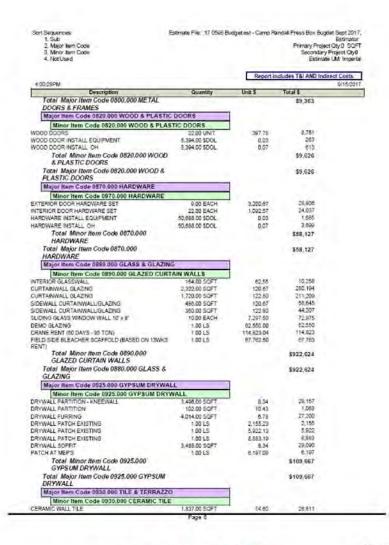
CARPENTRY			
Total Major Item Code 0600.000 ROUGH CARPENTRY			\$27,618
Major Hern Code 0820 000 FINISH CARPEN	ITRY	I	
Minor Item Code 0620,000 INTERIOR TR	RIM		
WALL CAPITRIM	497,00 LNFT	54.05	28.981
FINISH CARPENTRY EQUIPMENT	25,766.00 SDOL	0.03	806
FINISH CARPENTRY OH	25,788.00 SDOL	0.07	1.860
Total 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 WOOD	WORK	I	
Minor Item Code 0640,000 CUSTOM WO	ODWORK		
PLAM STANDARD BASE CABINET	80.00 LNFT	188 20	15 056
WALL-MOUNTED CORIAN COUNTERTOP	860.00 LNFT	182.65	146.283
WALL-MOUNTED PLAM COUNTERTOP	172.00 LNFT	51.04	8,779
COUNTERTOP SUPPORT BRACKETS	201.00 EACH	122.92	24,68T
PLAM STANDARD WALL CABINET	40.00 UNFT	193.85	7.754
CASEWORK EQUIPMENT	194,302.00 SDOL	0.02	6,077
CASEWORK OH	194,302.00 SDOL	0.07	14,170
Total Minor Item Code 0640,000 CUSTOM WOODWORK			\$222,815
Total Major Item Code 0640,000 CUSTOM WOODWORK			\$222,915
Major Item Code 0740,000 PREFORMED RO	DOFINGASIDING	1	
Minor Item Code 0740,000 PREFORMED			
SHEETMETAL WRAP BEAMS IN STAIRS	240.00 SQFT	20.85	5.004
EXTERIOR SOFFIT PANELS	1.034.00 SOFT	31.26	32 338
REPAINT EXTERIOR SOFFIT PANELS	2.152.00 SQFT	8.34	17.048
REPLACE CORRUGATED WALL PANELS	1,995.00 SQFT	26.06	51,995
Total Minor Item Gode 0740,000 PREFORMED ROOFING & SIDING	()0000000		\$107,285
Total Major Item Code 0740.000 PREFORMED ROOFING&SIDING			\$107,285
Major Hem Code 0790,000 CAULKING & SE	EALANTS		
Minor Item Code 0750,000 CAULKING 8	SEALANTS		
CAULK HOLLOW METAL FRAME	13.00 EACH	29.17	379
Total Minor Rein Code 0790.000 CAULKING & SEALANTS			\$379
Total Major Item Code 0790.000 CAULKIN & SEALANTS			\$379
Major Hem Code 0800 000 METAL DOORS	& FRAMES		
Minor Item Code 0800.000 METAL DOO	RS & FRAMES		
HOLLOW METAL DOORS	9.00 UNIT	452.77	4,075
GROUT H.M. FRAMES	13 DO UNIT	74.43	986
HOLLOW METAL ACCESSORIES	15.00 UNIT	6.80	90
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	≥ 105.00 SDOL	0.07	596
Total Minor Item Gode 0800.000 META DOORS & FRAMES	L		\$9,363

Estimate File: 17 0096 Budget est - Camp Randall Frees Bas Bugget Sept 2017, Estimator Primary Project Olyl 0 Soft Secondary Freed Clyl 0 Estimate Mt. Imperial

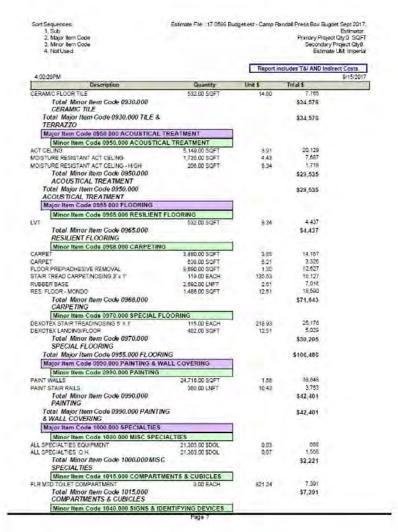
Report includes T&I AND Indirect Costs. 9/15/2017













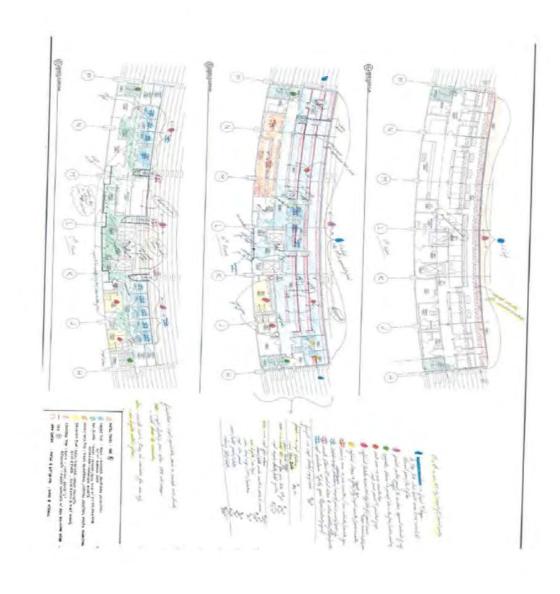
Mnor Item Code Nat Usert		Secondar	Estimator lot Gtyú SQFT y Project Gtyú de UM Impertal
	Report is	noludes T&I AND Inc	firest Costs
4:00:28PM			9/15/2017
Description Quantity	Unit \$	Total S	
UW GRAPHICS 1.00 LS	104,250,00	104,250	
Total Minor Item Code 1040.000 SIGNS & IDENTIFYING DEVICES		\$104,250	
Minor Hem Code 1080,000 TOILET & BATH ACCESSORIES			
2436 FRAMED MIRROR 7.00 EACH	110.40	815	
TOILET ACCESSORIES 19:00 STAL	736.94	14,002	
Total Minor Item Code 1080,000 TOLLET & BATH ACCESSORIES		\$14,817	
Total Major Item Code 1000.000 SPECIAL TIES		\$128,679	
Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP			
Minor Item Code 1545.000 PLUMBING SYSTEMS	- NO. 17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	by View	
PLUMBING (22 FIXTURES) 1.00 LS	83,400,00	83,400	
Total Minor Item Code 1549.000 PLUMBING SYSTEMS		\$83,400	
Total Major Item Code 1500.000 PLUMBING SYSTEMS & EQUIP		\$83,400	
Major Item Code 1550.000 FIRE PROT SYSTEMS & EQUIP			
Minor Item Code 1559,000 FIRE PROTECTION SYSTEMS			
FIRE EXTINGUISHING SYSTEM (BSA) 1.00 LS	41,700.00	41.700	
Total Minor Item Code 1559,000 FIRE PROTECTION SYSTEMS	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$41,700	
Total Major Item Code 1550.000 FIRE PROT SYSTEMS & FOUIP		\$41,700	
Major Hem Code 1550,000 HVAC SYSTEMS & EQUIPMENT			
Minor Item Code 1599 000 HVAC SYSTEMS & EQUIP			
REPLACE AHU AT SIXTH (BSA) 1.00 LS	354,975,00	364.875	
HVAC (BSA) 1.00 LS	328 387.50	328.388	
Total Minor Item Code 1599.000 HVAC SYSTEMS & EQUIP		\$693,261	
Total Major Item Code 1560,000 HVAC SYSTEMS & EQUIPMENT		\$693,263	
Major Item Code 1600,000 ELEC SYSTEMS & EQUIPMENT			
Minor Item Code 1699.000 FLECTRICAL SYSTEMS			
ELECTRICAL 1.00 LS	328,387.50	329.398	
Total Minor Item Code 1699,000 ELECTRICAL SYSTEMS		\$328,388	
Total Major Item Code 1600.000 ELEC SYSTEMS & EQUIPMENT		\$328,388	
Total Undefined Items in Sub		\$3,459,516	

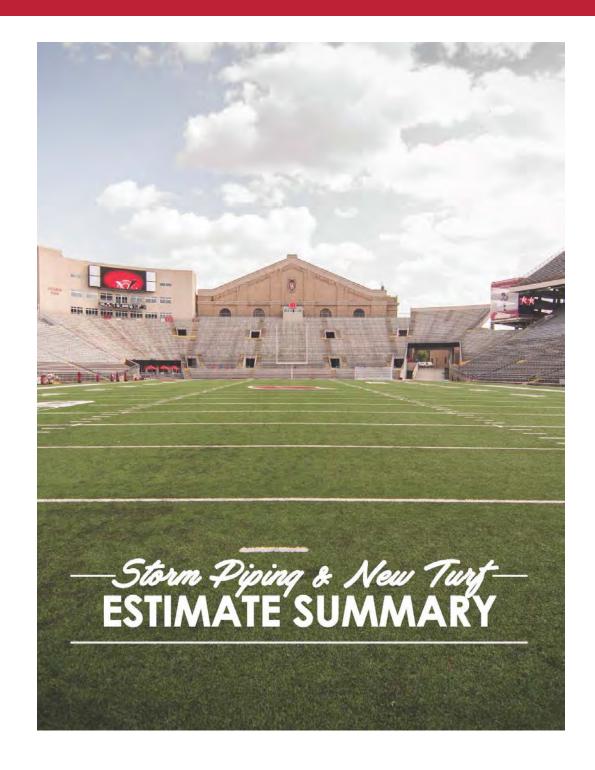






Basis of Budget Sketch (provided by BSA)





CAMP RANDALL

Field Level Storm Piping & New Turf

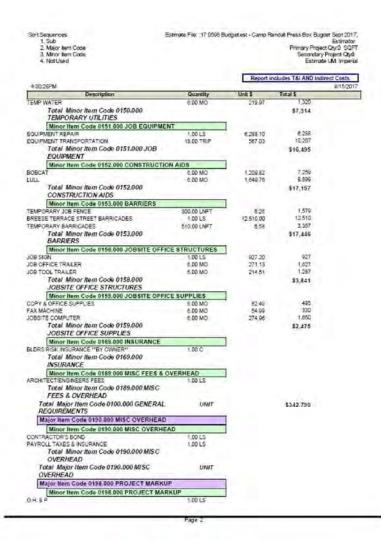
 This option includes field level storm piping and utilities along with replacement of both Camp Randall Turf and McClain Center Turf. See estimate summary.

CAMP RANDALL

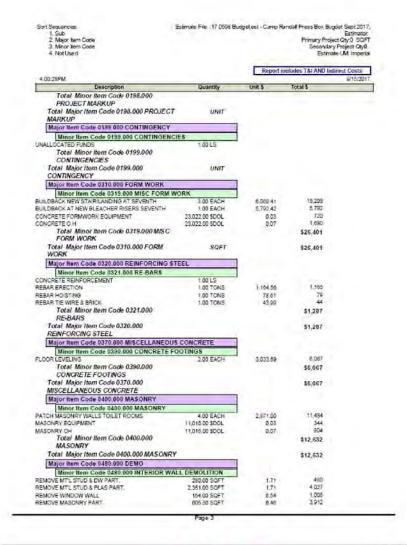
Field Level Storm Piping & New Turf

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









Son Sequences 1. Sub 2. Major Item Code 3. Minor Item Code 4. Not Used			get est - Camp Randall Press Box Buddet Sept 201 Estimated Primary Project Ctyl) SCF Secondary Project Ctyl Estimate UM Innot Report includes T&I AMD Indirect Costs		
4.0028PM		Report			
Description Description	Quantity	Unit \$	Total \$	8/15/20	
			392		
REMOVE HM FRAME	± 00 UNIT	49.03			
REMOVE GATE	3.00 UNIT	91.27	274		
REMOVE HM DOOR	ILDO 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 FL	OOR DEMOLITION	1			
REMOVE CARPET	5.004.00 SQFT	0.56	2.825		
REMOVE CERAMIC FLOORING	523.00 SQFT	2.30	1.201		
REMOVE VINVL BASE	1,327,00 LNFT	1.08	1.440		
FLOOR DEMO EQUIPMENT	5.243.00 BOOL	0.03	104		
FLOOR DEMO DH	5.243.00 SDOL	0.07	383		
Total Minor Item Code 0482.000			\$6,012		
INTERIOR FLOOR DEMOLITION					
Minor Item Code 0485.000 INTERIOR 5E	LECTIVE				
DEMOLITION		13.75.73			
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	- 70 - 70 - 70 - 77		\$19,264		
Minor Item Code 0489,000 DEMOLITION	PROTECTION				
TEMP, PART 2X4	4,756,00 LNFT	2.29	10,011		
TEMP. PART. VISQUEEN	7.080.00 SQFT	0.68	4.790		
FLOOR PROTECTION	1,401.00 SQFT	1.09	2.363		
DEMO PROTECTION EQUIPMENT	17:328:00 SDOL	0.03	542		
DEMO PROTECTION ON			1.265		
	17.328.00 SDOL	0.07	10455		
Total Minor Item Code 0489.000 DEMOLITION PROTECTION			\$15,871		
Minor Item Code 0490,000 EXTERIOR BU DEMOLITION	UILDING				
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		5,51	\$24,012		
Total Major Item Code 0480.000 DEMO			\$85,702		
Major Item Code 0554,000 MISC.IRON - CAR					
Minor Item Code 0554,000 METAL FABR		0.000	4.12		
MDDIFY STAIR RAILINGS	2 00 EACH	1,570.99	9,158		
Total Minor Item Gode 0554.000 METAL FABRICATIONS			\$3,158		
Total Major Item Code 0554.000 MISCJROI - CARPENTER	N		\$3,158		
Major Item Code 0600.000 ROUGH CARPEN					
Minor Item Code 9600,000 ROUGH CAR	PENTRY				
ROUGH CARPENTRY (GSF)	9,690,00 SQFT	1.04	10,102		
BUILDBACK AT SECURITY RISERS	1.00 EACH	15,252,36	15,252		
ROUGH CARPENTRY EQUIPMENT	21,716,00 SDOL	0.03	679		
ROUGH CARPENTRY OH	21.718.00 SDOL	0.07	1,585		



