**Tables & Figures**

**Tables**

<table>
<thead>
<tr>
<th>Table</th>
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</thead>
<tbody>
<tr>
<td>Table 1: Project Data Summary</td>
<td>8</td>
</tr>
<tr>
<td>Table 2: Gross Floor Area Summary</td>
<td>9</td>
</tr>
</tbody>
</table>

**Figures**

<table>
<thead>
<tr>
<th>Figure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 1: Concept Rendering of Site from Southeast</td>
<td>1</td>
</tr>
<tr>
<td>Figure 2: Site Plan Key</td>
<td>5</td>
</tr>
<tr>
<td>Figure 3: Northeast Corner Concept Image</td>
<td>7</td>
</tr>
<tr>
<td>Figures 4-13: Area Exclusion Diagrams</td>
<td>10-11</td>
</tr>
<tr>
<td>Figure 14: Site Plan</td>
<td>12</td>
</tr>
<tr>
<td>Figure 15: Event Center Access</td>
<td>13</td>
</tr>
<tr>
<td>Figures 16-17: Event Center Sections</td>
<td>14-15</td>
</tr>
<tr>
<td>Figures 18-25: Event Center Elevations</td>
<td>16-23</td>
</tr>
<tr>
<td>Figures 26-36: Illustrative Event Center Floor Plans</td>
<td>24-34</td>
</tr>
<tr>
<td>Figures 40-42: Metal Panel Examples</td>
<td>36</td>
</tr>
<tr>
<td>Figures 43-45: GFRC Examples</td>
<td>36</td>
</tr>
<tr>
<td>Figures 46-48: Metal Mesh Examples</td>
<td>37</td>
</tr>
<tr>
<td>Figures 49-51: Metal Louver Screen Examples</td>
<td>37</td>
</tr>
<tr>
<td>Figures 52-54: Metal Wrapped Column Examples</td>
<td>37</td>
</tr>
<tr>
<td>Figures 55-60: Sustainable Wood Examples</td>
<td>37-38</td>
</tr>
<tr>
<td>Figures 61-63: Metal Roof Framing Examples</td>
<td>38</td>
</tr>
<tr>
<td>Figures 64-66: Metal Panel Examples</td>
<td>38</td>
</tr>
<tr>
<td>Figures 67-69: “Clear” Glass Examples</td>
<td>38</td>
</tr>
<tr>
<td>Figure 70: Typical “Clear” Glass Panel Event Center Section</td>
<td>40</td>
</tr>
<tr>
<td>Figures 71-72: Typical “Clear” Glass Panel Assembly</td>
<td>40-41</td>
</tr>
<tr>
<td>Figure 73: Typical Metal Panel Event Center Section</td>
<td>42</td>
</tr>
<tr>
<td>Figures 74-75: Typical Metal Panel Assembly</td>
<td>42-43</td>
</tr>
<tr>
<td>Figures 76-99: Space Concept Images</td>
<td>44-67</td>
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INTRODUCTION

The Golden State Warriors are submitting this Basic Concept & Schematic Design application for an event center at 16th Street and Terry Francois Boulevard as part of the larger development of Blocks 29-32. At approximately 11 acres, Blocks 29-32 collectively represent one of the largest remaining development sites in San Francisco, and the future location of the Golden State Warriors new, state-of-the-art multi-purpose event center. The approximately 18,000-seat, 544,139 Gross SF (487,939 Leasable SF) event center will be the home of the Golden State Warriors' basketball team, and will host a variety of other activities including concerts, family shows, other sporting events, cultural and theatrical shows, conferences, and civic events. The site also includes office and retail development, structured parking, open public plazas, and other amenities that will activate the site during non-event times. As such, the site will function as a center for the neighborhood, city, and region.

RELATED SUBMITTALS

This Basic Concept and Schematic Design package is one of six (6) in total. Other packages have been prepared for:

1. the 16th Street Office/Retail tower;
2. the South Street Office/Retail tower;
3. Northeast retail along South Street and Terry Francois Boulevard, including a Food Hall;
4. Open Space, Gatehouse, and Parking and Loading facilities on-site, which will include landscaping information for the full Blocks 29-32 development (not further elaborated upon in other Basic Concept/Schematic Design packages); and
5. A common book of Background Appendices for all of these submittals, which will include utility information, wind and shadow studies for the full development, vicinity plans, and site diagrams for additional reference.

SITE ACCESS AND LOCAL TRANSPORTATION

Local transit and access-ways in the vicinity include the Muni T line (future Central Subway connection to East Bay and South Bay via BART at the Powell Street station), Caltrain stations at King Street and 22nd Street, the planned cycle track on Terry Francois Boulevard, and the Bay Trail extension through the Bayfront Park (P22). Forthcoming additional improvements include the Muni Forward project along 16th Street, which will include Bus Rapid Transit (BRT) lines, improvement to local bike routes, and a potential future ferry landing at the terminus of 16th Street. Bay Transportation Management Association (TMA) Shuttles also run daily service for employees and residents of Mission Bay. Together, these resources constitute a transit-rich and highly-accessible urban location that will cater to both local and regional employees and patrons.

Site-specific transportation considerations are addressed in a project-specific Transportation Management Plan (TMP) prepared by Fehr & Peers on behalf of the Golden State Warriors. The Plan outlines plans for traffic control before and after event center events, introduces streetscape design features to reduce congestion for daily office and retail users, and proposes travel demand strategies to lower auto mode share of all site visitors.

SUSTAINABILITY AND WASTE MANAGEMENT

The project at Blocks 29-32 will be designed to a LEED Gold campus certification standard for sustainable design. Sustainable design measures include strategies for water use reduction, use of sustainable design materials, color choices to reduce the “heat island effect,” and measurement and verification. The eastern façade of the event center will be located within 300’ of the planned Bayfront Park, which will constitute an Urban Bird Refuge under Planning Code Section 139, Standards for Bird-Safe Buildings, and will feature bird-safe glazing treatments to eliminate “location-based hazards.”

In addition, robust low waste goals will be supported by separate trash, organic waste, and recycling compactors located in the project’s shared loading dock area below grade. All waste will be collected in the below-grade area, and trucks will use the 16th Street driveway to access the loading dock for regular collection of waste. This process will occur out of sight of project neighbors, employees, and visitors.

ART AND SIGNAGE

The Golden State Warriors intend to incorporate a robust public arts program at Blocks 29-32, complemented by tasteful lighting design. Signage, wayfinding, and building identification will also be introduced as both design features and functional elements. However, public art and signage have been deferred to the project’s Design Development (DD) phase, and are therefore not outlined further in this Basic Concept/Schematic Design package. Signage depicted in the following pages is included for illustrative purposes only and does not represent the forthcoming DD signage proposal.

DOCUMENTS, REGULATORY PROCESSES, AND APPROVALS

This package presupposes a forthcoming amendment to the Mission Bay South Design for Development (DoD), which will modify standards and guidelines for elements such as bulk, number of towers, view corridors, and streetwall character, based on the unique nature of the development. No amendment to the Mission Bay South Redevelopment Plan is required for the Project’s approval. The event center is considered a secondary use pursuant to the Plan, and secondary use findings would be required of the OCII Executive Director.

Blocks 29-32 will be privately owned, and construction of the full development, including the event center, will be 100% privately financed.

TEAM

Our team has a commitment to high-quality design and engineering, with strong representation from diverse local designers and small business partners. The project is on track to meet its goal of 50% participation by Small Business Enterprises (SBEs) in architecture and engineering professional services.

DEVELOPMENT TIMELINE

The proposed development for Blocks 29-32 is planned for construction in one total phase. All structures outlined in these Basic Concept/Schematic Design packages will be constructed simultaneously. Estimated construction duration for the full Blocks 29-32 project is approximately 24 to 27 months.
Simultaneously, the event center design responds to and seeks to diversify the existing aesthetic of Mission Bay. The building’s sleek drum shape introduces curves to the streetscape and skyline for the first time. Slender and soaring design features, like the event center’s “proscenium” arch or the cantilevered Bayfront Terrace, contrast with the weightiness of nearby structures.

Finally, the event center is designed for the Bay Area’s richly diverse community. The product of substantial design and engineering input from local, minority- and women-owned businesses, the building features a traditional “sports” aesthetic to its west and an “arts” focus to its east; the duality in building character will be reflected in the use of different entries for a wide range of events (and event types) when the event center opens. The building’s interior offers even more opportunities for flexibility, including configurations for basketball, ice events, end-stage speakers, center-stage concerts, and theater-stage (“cut-down” configuration) performances. The event center will thus be able to serve a large population with varied programming and locally-oriented design.

**DESIGN FEATURES**

The event center will seat approximately 18,000 patrons for most large events. In addition to the event floor and seating bowl, it will contain guest amenity areas (clubs and suites), food vendors, back-of-house support (staff locker rooms, production kitchens for food and beverage, equipment storage), building operations areas (mechanical and utility rooms, loading and receiving areas), and GSW practice facility and team headquarters. Back of house areas will not be visible to patrons and members of the public except where purposefully designed (for instance, a “show kitchen”), and many are located below grade or on restricted-access building levels.

The building’s two primary entries are located at its northwest and southeast corners. Both entries lead to a publicly accessible grand building lobby prior to ticketing patrons. Additional building access is provided via VIP and premium customer entries (again, at the northwest and southeast sides of the building) and at the main concourse elevation (+26’) off of the Bayfront Overlook and Northeast Retail. All entries will be distinguished with distinct signage and materials to improve patron wayfinding and create a welcoming atmosphere. The southeast corner entry, in particular, is demarcated by the dramatic proscenium archway, designed to reinforce a sense of entry as patrons walk underneath the gateway-like structure. The proscenium also enhances programming opportunities for the SE Plaza by framing the space, and honors Mission Bay’s industrial history by its aesthetic. Event center or Warriors employees may enter the building via an access-controlled entry located on 16th Street.

Pedestrians and patrons may walk from one entry to another with ease via the pedestrian path that curves along the event center’s northern side, bringing patrons past retail and potential art or lighting installations as they rise from +10’ to +26’ along a gentle slope. A pair of stairwells on South Street offer access from the adjacent sidewalk onto that pedestrian path between the Main Plaza and the Food Hall.

Additional access around the building on the south side of the site includes a walk along the 16th Street sidewalk and landscaped setback area, where fenestration on the arena façade will create additional visual interest and texture, and passage from 16th Street midblock to the Main Plaza along Third Street. Both the passage on the south side and the pedestrian path (with related access-ways) terminate at the Main Plaza to the northwest, and the SE Plaza to the southeast, thereby creating a network of programmed or passive public spaces (see Parking, Loading, and Open Space package for further detail). A 300-space bike valet located on 16th Street, complimented by temporary bicycle corrals located in the SE Plaza and/or Main Plaza, offers additional opportunities for multi-modal access and ground-floor activation around the event center’s perimeter. Further discussion of these bike parking locations and uses can be found in the Open Space, Parking and Loading, and Gatehouse submission for Blocks 29-32.

**DESIGN PRINCIPLES**

The event center at Blocks 29-32 is designed to both acknowledge and enrich its surroundings in Mission Bay, San Francisco. First, it is sited to echo its location in San Francisco, with a prominent urban character at the Third Street main entry and a scaled, graceful aesthetic facing Terry Francois Boulevard and the San Francisco Bay. At a macro level the building’s massing, particularly the Bayfront Terrace’s “swoop” capturing downtown SF to the Bay Bridge, enforces the building’s role as a civic structure and part of a city center. At a micro level the structure’s materials, especially the glass façade panels, connect the building’s interior and exterior into a visual whole for the local community. The building’s sleek surfaces and sense of dynamism borrow inspiration from the sails of boats in the Bay to the east, and the waves, winds and fog of the Pacific to the west.
DESIGN NARRATIVE

DESIGN SYSTEMS

The event center’s design team is committed to high-quality, cutting edge design and engineering to support the building’s aesthetic and programmatic goals.

**Structural System:**

The event center will utilize a deep foundation system of augercast concrete piles. A structural slab-on-grade will span deep foundation elements, connecting pile-supported mats and pile caps. All structural elements will be built over a waterproofing membrane for a traditional “bathtub” construction, to eliminate the need for permanent dewatering.

Construction up to the event center’s 100 level (mezzanine) will consist of precast lightweight concrete. Above the 100 level, structural steel columns will support precast concrete.

The event center roof will be supported by long-span structural steel trusses, supported by steel columns and concrete shear wall cores. Embedded steel columns will be used as needed to transfer the roof forces into the concrete walls. Additional secondary trusses, steel beams, and horizontal trusses will be provided for overall stability and to support a catwalk system, rigging grid, and center hung scoreboard.

The event center will utilize an offset façade system, with secondary framing supported from perimeter columns.

All appropriate loading criteria have been included in the event center’s structural design.

**MEP and Civil Systems:**

**Mechanical Systems**

The event center mechanical systems will be commensurate with a modern, first-class, multipurpose event center and will be designed to support NBA games as the primary tenant, but will also accommodate several other event types. Particular consideration will be given to design of the event center HVAC systems to support an ice slab for select event types, which requires supplemental dehumidification equipment.

The building will feature two-stage indirect/direct evaporative cooling (IDEC) systems, third-stage DX cooling, and Variable Refrigerant Flow (VRF) heat recovery type heat pump systems with water-cooled condensers. The building will not require the use of a central chilled water plant. Ultra high efficiency (up to 95%) natural gas-fired boilers will provide heat to the event center through a hydronic-based heating system. Hot water finned tube radiant heaters and radiant panel heaters on exterior walls will be used to handle heating loads associated with the building envelope.

The event center bowl and concourses will be served by custom, double-wall constant volume air handling units.

**Electrical Systems**

Distribution to the project site development is provided by others and is anticipated to be underground through a system of duct banks and manholes from existing substations. The two utility source circuits will then transition into a medium voltage distribution room within the event center, which will contain a source transfer switch. Event center service downstream of the incoming utility switchgear will be provided via a radial feed around the event center building. This may include a loop feed system for added redundancy, or dual radial feeds (also for redundancy). Power to the facility will be distributed from electrical closets in the corners of the event center building.

Diesel powered generators will provide emergency, legally required standby, and optional standby power upon loss of normal utility power and failure to transfer to alternate source. These units will provide power for fire alarm, fire command room, emergency lighting, elevators, smoke control and pressurization, fire pumps, audio system and a portion of the scoreboard equipment.

**Plumbing Systems**

Plumbing systems will be designed to include domestic hot and cold water, reclaimed water, sanitary waste, sanitary vent, grease waste, storm water and natural gas. Separate domestic cold water and reclaimed water mains are to be provided from the street into the building and are piped separately throughout the building. Detailed system features will include gas fired and electric water heaters, hot water circulation pumps, gravity waste systems and sewage lift pumps, and central grease waste pumps. Vent piping will be tied together as much as possible and practical to minimize penetrations through the building roof.

Storm water will be collected from all roof and plaza areas. All storm water will be pre-treated utilizing green roof spaces and bio-retention basins prior to discharging into the city storm water system. Storm water collection on the site will utilize gravity distribution as much as possible. These gravity systems will be connected to storm water lift pumps that will discharge into the city storm water system. For more information, see Open Space, Parking and Loading, and Gatehouse submittal for Blocks 29-32.

Two natural gas systems are planned at this time. Meters will be located along the outside edge of the building and creatively screened.
Façade System:

The event center's façade system will include four primary materials. First, glass glazing systems will be used at the main entry plaza (west side) and southeast lobby. The system will not utilize caps on the outside of the building, so transparency between building interior and exterior will be maintained. Back-up structural support for the system will utilize struts and other horizontal structure.

Second, metal panels will encase a significant portion of the building enclosure, on top of a separate insulated barrier for weather protection. These panels will include perforated patterns that add depth, motion, and opportunities for creative lighting to the building façade.

Third, recycled wood products will be used on the exterior soffits of the building’s sweeping design elements at the SE corner and Bayfront Terrace. The wood mirrors the warmth and richness of materials being considered for the arena’s interior material palette, and also complements similar façade materials incorporated into the adjacent office towers.

Finally, a durable and maintenance-free building material such as patterned RFP, GFRC, or precast concrete will encase the building’s base, grounding the structure and providing accents through careful use of texture and/or color. Terra Cotta may also be introduced at the building’s base.
### DATA CHARTS

#### Project Data Summary - Event Center

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<td>Gross Square Feet</td>
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<td>Developable Area at Base Height (HZ-5)</td>
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<td>Streetwall Coverage (3)</td>
<td>456' = 60% (All planned development on 16th Street for Blocks 29-32 Site)</td>
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4. Additional outdoor Class 3 bike parking spaces are also available for use by office/retail/event center employees and visitors. See Open Space, Gatehouse, Parking and Loading BC/SD book for further detail.

### Applicable Codes and Documents

- Major Phase Application for Blocks 29-32, to be approved prior to this submittal.
## DATA CHARTS

### Gross Floor Area Summary (OCII Design for Development and 1996 BOMA)

<table>
<thead>
<tr>
<th>Level</th>
<th>“True Gross” Floor Area (Sq. Ft.)</th>
<th>#1: Basement/Cellar Space (1)</th>
<th>#3: Mechanical Penthouse</th>
<th>#4: Intermediate Floor Mechanical/Operations (2)</th>
<th>#5: Outside Stairs</th>
<th>#6: Balconies/Decks/Terraces</th>
<th>#11: Ground Floor Circulation &amp; Service (3)</th>
<th>#12: Restaurants and Retail under 5,000 Sq. Ft. (4)</th>
<th>OCII Area Exemptions from “True Gross” Floor Area Calculations (Sq. Ft.)</th>
<th>BOMA Area Exemptions (Sq. Ft.)</th>
<th>Leasable Deductions</th>
<th>BOMA Leasable Floor Area (Sq. Ft.)</th>
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</table>

(1) Includes all below-grade levels, where applicable.

(2) Assumes industrial kitchens inside the event center are support areas; this does not apply to spaces that are considered restaurants. Also assumes intermediate floors will remain permanently separate from adjacent floors.

(3) Due to the sloping nature of the site and the arena’s multiple access points for entry and primary circulation, “Ground Floor” is interpreted as both Mezzanine (L100) and Main Concourse (L200) levels.

(4) Assumes excluded Retail spaces will have deed restrictions placed on the specific areas which require the Owner to tenant the space consistent with the proposed exclusion (i.e., personal services, restaurants, retail).

(5) Includes both Commercial Industrial and Retail.

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Table 2 | Event Center Gross Floor Area Summary
Note: The diagrams on this page depict what areas of the arena are excluded pursuant to the D for D for the calculation of gross square footage.
Note: The diagrams on this page depict what areas of the arena are excluded pursuant to the D for D for the calculation of gross square footage.
EVENT CENTER ACCESS

Additional exit-only doors/routes will be provided around the event center perimeter as required by code.
SECTIONS

Fig. 16 | Longitudinal Section

ARENA LOADING  -10'-0"
GSW PROJECT DATUM/GRADE
LEVEL AT FUTURE TFB  +0'0"
LEVEL 050  +3'-0"
LEVEL 100  +10'-0"
LEVEL 200  +26'-0"
LEVEL 300  +39'-0"
LEVEL 400  +51'-0"
LEVEL 500  +63'-0"
LEVEL 600  +76'-0"
LEVEL 650  +87'-0"
LEVEL 700  +100'-0"
LEVEL 800  +135'-0"
LEVEL 000  -6'-0"
Fig. 17 | Transverse Section
ELEVATIONS

Note: Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design.
Note: Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design.
ELEVATIONS

Note: Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design.
EVENT CENTER
GOLDEN STATE WARRIORS EVENT CENTER AND MIXED-USE DEVELOPMENT

ELEVATIONS

Fig. 21 | North Elevation - Event Center with Site Detail

Note: Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/S2 packages for details on their design.

GSW PROJECT DATUM/GRADE

LEVEL AT FUTURE TFB  
LEVEL 050  +3'-0" 
LEVEL 100  +10'-0" 
LEVEL 200  +26'-0" 
LEVEL 300  +39'-0" 
LEVEL 400  +51'-0" 
LEVEL 500  +63'-0" 
LEVEL 600  +76'-0" 
LEVEL 650  +87'-0" 
LEVEL 700  +103'-0" 
LEVEL 800  +135'-0" 
LEVEL 000  -6'-0"

ARENA LOADING  

N
Note: Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design.
Fig. 23 | South Elevation - Event Center with Site Detail

Note: Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design.
ELEVATIONS

Fig. 24 | West Elevation - Event Center

Note: Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design.
Note: Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design.

Fig. 25 | West Elevation - Event Center with Site Detail
Fig. 26 | Event Level (000): Floor of the basketball court and a significant back of house amenity space within the Event Center, located at -6'-0"
25

EVENT CENTER | GOLDEN STATE WARRIORS EVENT CENTER AND MIXED-USE DEVELOPMENT

Fig. 27 | Grade Level (050): Southeast plaza below the proscenium gateway, located at +0'-0"; Theater entrance located at +3'-0"

PUBLIC ELEVATOR ACCESS TO BAYFRONT OVERLOOK
PUBLIC ELEVATOR: Access to Bayfront Overlook

NORTHWEST RETAIL

BIKE VALET

Reference Northeast Retail Package
Reference Open Space, Parking and Loading, and Gatehouse Package

FLOOR PLANS

ZONE/FUNCTION COLOR KEY
- Basketball Courts
- E/e/Storage
- Concourse
- Concourse
- Kitchen
- Lobby
- Locker Room
- Lounge/Dub
- Office
- Press
- Seating/Field
- Spaces/Retain
- Suits
- Technical (MEP)
- (M/W) Toilets
- Vertical Circulation

PROPERTY LINE

LEVEL 000  -6'-0"
LEVEL 050  +0'-0"
LEVEL 100  +3'-0"
LEVEL 200  +10'-0"
LEVEL 300  +26'-0"
LEVEL 400  +39'-0"
LEVEL 500  +51'-0"
LEVEL 600  +63'-0"
LEVEL 650  +87'-0"
LEVEL 700  +103'-0"
LEVEL 800  +135'-0"

ROOF FINISH

ELEVATION  +135'-0"
PERIMETER OF HIGH ROOF  +127'-0"
LOW ROOF FINISH ELEVATION  +113'-0"

AHU MEZZANINE  +87'-0"
CATWALK / UPPER BAYFRONT TERRACE
LOWER BAYFRONT TERRACE  +76'-0"
UPPER CONCOURSE  +63'-0"
LOGE LEVEL  +51'-0"
SUITE LEVEL +39'-0"
MAIN CONCOURSE +26'-0"
MEZZANINE LEVEL +10'-0"
GRADE LEVEL +3'-0"
EVENT LEVEL -6'-0"

PERFORMANCE ENTRY LOBBY

PERFORMANCE ENTRY

PUBLIC STAIR ACCESS TO BAYFRONT OVERLOOK

PUBLIC STAIR: Access to Bayfront Overlook

BASIC CONCEPT/SCHEMATIC DESIGN | EVENT CENTER | GOLDEN STATE WARRIORS EVENT CENTER AND MIXED-USE DEVELOPMENT | 25
FLOOR PLANS

Fig. 28 | Mezzanine Level (100): Level at which guests enter the Event Center from the Main Plaza, located at +10'-0" to +12'-0"
Fig. 29 | Main Concourse (200): Primary access to Event Center’s GA lower seating bowl, located at +26'-0"
FLOOR PLANS

ZONE/FUNCTION COLOR KEY

- Basketball Courts
- Gin/Storage
- Concourse
- Concourse
- Kitchen
- Lobby
- Locker Room
- Lounge/Club
- Office
- Press
- Seating Bowl
- Sponsor/Retail
- Sales
- Technical (MEP)
- (M/W) Toilets
- Vertical Circulation

Fig. 30 | Suite Level (300): Traditional Suite seating options for Event Center attendees, located at +39'-0"
Fig. 31 | Loge Level (400): Theater Box seating options for Event Center attendees, located at +51'-0'
Fig. 33 | Lower Bayfront Terrace (600): Lower level of the elevated Bayfront Terrace, located at approximately +76'-0" (above)
EVENT CENTER
GOLDEN STATE WARRIORS EVENT CENTER AND MIXED-USE DEVELOPMENT

ARENA LOADING -10'-0"

GSW PROJECT DATUM/GRADE
LEVEL AT FUTURE TFB +0'-0"
LEVEL 050 +3'-0"
LEVEL 100 +10'-0"
LEVEL 200 +26'-0"
LEVEL 300 +39'-0"
LEVEL 400 +51'-0"
LEVEL 500 +63'-0"
LEVEL 600 +76'-0"
LEVEL 650 +87'-0"
LEVEL 700 +103'-0"
LEVEL 800 +135'-0"

ROOF FINISH ELEVATION +135'-0"
PERIMETER OF HIGH ROOF +127'-0"
LOW ROOF FINISH ELEVATION +113'-0"
AIR HANDLING UNIT
CATWALK / UPPER BAYFRONT TERRACE
LOWER BAYFRONT TERRACE +76'-0"
UPPER CONCOURSE +63'-0"
LOGE LEVEL +51'-0"
SUITE LEVEL +39'-0"
MAIN CONCOURSE +26'-0"
MEZZANINE LEVEL +10'-0"
GRADE LEVEL +3'-0"
EVENT LEVEL -6'-0"

Reference 16th Street Office/Retail Package
Reference South Street Office/Retail Package

Fig. 34 | AHU Mezzanine (650): Mechanical areas for the Event Center functions, located at +87'-0''
Fig. 35 | Catwalk Level (700): Catwalk which services Event Center functions, located at +103'-0".
Upper Bayfront Terrace (700): Upper level of the elevated Bayfront Terrace, located at approximately +100'-0".
ROOF PLANS

ZONE/FUNCTION COLOR KEY

- Basketball Courts
- Gym/Storage
- Concourse
- Concourse
- Kitchen
- Lobby
- Locker Room
- Lounges/Club
- Office
- Press
- Seating Bowl
- Sponsor/Related
- Sales
- Technical (M/E/P)
- (M/W) Toilets
- Vertical Circulation

Fig. 36 | Roof Plan (800): Contains a bioswale for stormwater treatment; highest point of roof is centrally located at 135'-0'
MATERIALS: EVENT CENTER

“Clear” Glass Panel
(will be treated for energy efficiency and bird strike prevention)

Metal Panel
(raised screen system with fixed % of perforation pattern, backlit at night - see image on opposite page)

Glass Fiber Reinforced Concrete (GFRC)
(located at pedestrian level for durability, texture, and color)
MATERIALS: EVENT CENTER

Sustainable Wood
(applied under soffits to soften the facade palette)

Metal Mesh
(located at 16th street window punches to protect from bird nesting, natural elements, etc.)

Metal Louver Screen

Metal Wrapped Columns
MATERIALS: RETAIL KIOSKS

Sustainable Wood

Fig. 58  Fig. 59  Fig. 60

Metal Roof Framing

Fig. 61  Fig. 62  Fig. 63

Metal Panel

Fig. 64  Fig. 65  Fig. 66

“Clear” Glass

Fig. 67  Fig. 68  Fig. 69
Page left intentionally blank.
MATERIAL ASSEMBLY: TYPICAL “CLEAR” GLASS PANEL

Fig. 70

Fig. 71

Hangars 1” rod
Secondary Kickers HSS 7X0.5
Secondary Armatures hss7x0.5
Primary Transoms HSS18X6X0.375
Secondary Transoms HSS18X0.625
Secondary Bracing HSS8X8X0.625
Tertiary Mullion HSS 6X3X0.313
Tertiary Transom HSS6X3X0.313
MATERIAL ASSEMBLY: TYPICAL “CLEAR” GLASS PANEL

- Primary Structure Beam
- Primary Structure Columns
- Primary Structure Lateral and Gravity Strut Bracing
- Secondary Steel Transom
- Dead Load Hangar Rods
- Lateral bracing struts

**Horizontal Glass panelization - 8'H x 3'V (+/-)**

Large Preglazed units are dead loaded onto a horizontal transoms.

Horizontal transoms are hung from vertical dead load hangar rods and braced back to primary columns via secondary struts.

Fig. 72
MATERIAL ASSEMBLY: TYPICAL METAL PANEL

METAL PANEL ASSEMBLY

Secondary Steel Girt
Hanger rods
Secondary steel framing lateral and dead load struts
Mega metal panel system built with edge frame and individual 6x6" perforated panels
Mega panel is hung from secondary framing
Metal panel finish to be determined by Manisa Architects

Primary Structural columns (Gridline 1)
Interior drywall + Exterior sheathing with air and water barrier
Metal Stud wall
Mega metal panel system built with edge frame and individual 6x6" perforated panels
Mega panel is hung from secondary framing
Metal panel finish to be determined by Manisa Architects

Fig. 73
Fig. 74
MATERIAL ASSEMBLY: TYPICAL METAL PANEL

- PRIMARY STRUCTURAL COLUMNS WITH GRAVITY GIRTS AND STRUTS
- SECONDARY LATERAL GIRTS AND STRUTS
- SECONDARY HANGAR CABLES
- MEGA PANEL FRAMES
- PERFORATED METAL PANELS

Fig. 75
CONCEPT IMAGES: DAY

Fig. 76 | Concept image from the southeast corner - Event Center Performance Entrance

Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 77 | Concept image from the southeast corner - Event Center Performance Entrance
CONCEPT IMAGES: DAY

Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 79 | Concept image from the northeast corner - Event Center and Northeast Retail
CONCEPT IMAGES: DAY

Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.
Please refer to the respective Office Tower, Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 81 | Concept image looking south from South Street - Event Center and Northeast Retail
CONCEPT IMAGES: DAY

Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 82 | Concept image of the Event Center entrance from the Bayfront Overlook
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 83 | Concept image of the Pedestrian Path - Event Center and Northeast Retail
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 84 | Concept image of the Pedestrian Path - Event Center and Northeast Retail
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 85 | Concept image of the Pedestrian Path - Event Center, Northeast Retail, and South Street Office/Retail Tower
CONCEPT IMAGES: DAY

Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 87 | Concept image looking south to 16th Street
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 89 | Concept image looking east from 16th Street - Event Center and Bike Valet
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 91 | Concept image looking west from 16th Street - Event Center
CONCEPT IMAGES: NIGHT

Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 92 | Concept image of the southeast corner - Event Center Performance Entrance
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 93 | Concept image looking northeast from 16th Street - Event Center
CONCEPT IMAGES: NIGHT

Fig. 94 | Concept image from the Third Street Plaza - Event Center Main Entrance

Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.
Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 95 | Concept image of the Pedestrian Path - Event Center and Northeast Retail
CONCEPT IMAGES: NIGHT

Please refer to the respective Office Tower; Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.
Please refer to the respective Office Tower, Open space, Parking, and Gatehouse; and Northeast Retail BC/SD packages for details on their design. Signage will be addressed during the DD stage of design.

Fig. 97 | Concept image of the southeast corner - Event Center, 16th Street Office Tower, Northeast Retail
CONCEPT IMAGES: INTERIOR

Fig. 98 | Concept image of the Event Center interior - Basketball Court
CONCEPT IMAGES: INTERIOR

Fig. 99 | Concept image of the Event Center interior - Main Lobby
END OF DOCUMENT