King County
Department of Natural Resources and Parks
Parks and Recreation Division
King Street Center
201 South Jackson Street, Suite 700
Seattle, WA 98104
http://www.kingcounty.gov/parks

SEPA Environmental Checklist

A. BACKGROUND

1. Name of proposed project, if applicable:

Marymoor Park Concert Stage Roof Replacement (Project #1123527)

2. Name of applicant:

King County Department of Natural Resources and Parks

3. Address and phone number of applicant and contact person:

Lindsey Miller, Capital Projects Environmental Support
King County Parks and Recreation Division
201 South Jackson Street, Room 700
Seattle, WA 98104
206-477-7372 (SEPA)
KCParks.SEPA@kingcounty.gov

4. Date checklist prepared:

September 3, 2014

5. Agency requesting checklist:

King County Department of Natural Resources and Parks

6. Proposed timing or schedule (including phasing, if applicable):

Construction is estimated to begin in early 2015. The project is scheduled to be complete by the start of the 2015 concert season in May.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

None

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No other applications or approvals are pending for the specific property where the project is proposed.

10. List any government approvals or permits that will be needed for your proposal, if known.

King County Department of Permitting and Environmental Review Building Permit
King County Landmarks Commission Certificate of Appropriateness

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

The proposed project will replace the existing temporary fabric concert stage roof, which has outlived its usefulness and is now in need of major structural repairs, with a permanent roof that meets the requirements of artists performing at the venue. The new roof will also offer better protection from the rain and will protect the stage from the weather in the off-season. The roof will be slightly taller but will have a thinner profile and is designed to blend more nicely into the surrounding landscape.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The proposed project is located in King County's Marymoor Park located at 6046 West Lake Sammamish Parkway NE in Redmond, Washington (SW Quadrant of Section 12, Township 25N, Range 5E). The concert stage is located on the west side of the park and can be accessed most readily by entering the park from West Lake Sammamish Parkway NE and following the directional signs.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site

The site is flat except for two berms designed for viewing during concerts.

b. What is the steepest slope on the site (approximate percent slope)?

The site is flat with an average slope of less than 1 percent; however, two grass berms were graded on the site to provide concert viewing areas. The berms are elevated approximately 5 feet high with an approximate slope of 15 percent.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

The general soil types are sandy and silty loams. The Natural Resources Conservation Service Web Soil Survey specifically shows Earlmont silt loam (Ea) and Indianola loamy find sand (InA) in this area.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No. There are no King County mapped erosion or landslide hazard areas in the vicinity of the project. The project is, however, located in a mapped seismic hazard zone.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

Excavation will be needed near the stage for the new footings that are needed to support the new roof. The excavation area for each footing will be approximately eight by eight by 2.5 feet. The estimated total excavation for the project is 62 cubic yards.

The excavated material may be spread onsite and used to increase the surface area of the raised berm viewing areas.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

The risk for erosion during construction is low. The excavation areas are small and will be self-contained. Only very minimal clearing is required (some grass and possibly one tree which is discussed later). Construction Best Management Practices (BMPs) such as covering exposed soils that are not being worked will be used to minimize any potential for erosion.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

The amount of impervious surface will not be changing at the site. The entire concert area, including the grass seating area and the area where temporary food and beverage tents are setup during shows, covers approximately 5 acres. The stage is approximately 6,400 square feet which is less than 2 percent of the concert site. The entire park covers approximately 640 acres.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Construction BMPs such as covering exposed soils that are not being worked will be used to minimize any potential for erosion.

2. Air

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

Construction activities would generate fugitive dust and odors that would result in localized air-quality impacts. These short-term construction emissions would be eliminated at completion of the project.

Construction of the proposed project would also involve activities that could temporarily increase emissions of greenhouse gases (GHG). Potential construction impacts would include greenhouse gas emissions from the manufacture of materials for the footings and roof and for the transport of these materials to the site. However, no new operational or maintenance emissions to the air would occur because the use of the facility will be the same after the project as it is now.

Washington State Department of Ecology guidance document *Including Greenhouse Gas Emissions in SEPA Reviews* (dated April 2011) indicates that for projects that emit less than 10,000 metric tons of new carbon dioxide equivalent per year (MTCO2e) a qualitative analysis is acceptable for SEPA. A coarse estimate of the MTCO2e emissions for the entire life of this structure is 10,075 MTCO2e (see attached GHG worksheet); However, as mentioned above, most of those emissions are already existing and are not new emissions. In addition, the calculation includes emissions for the total life of this structure. For this reason, no further estimates have been calculated because this project is well below the yearly threshold specified by Washington State Department of Ecology for a quantitative GHG analysis.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

During construction, mitigation measures for project impacts to air quality will include, but are not limited to, the following:

1. Spraying water, when necessary, during construction operations would reduce emissions of fugitive dust.
2. Covering dirt, gravel, and debris piles as needed would reduce fugitive dust and wind-blown debris.
3. Covering open-bodied trucks in accordance with RCW 46.61.655, wetting materials in trucks or providing adequate freeboard (space from the top of the material to the top of the truck) would reduce fugitive dust emissions.

During operation of the proposed project, mitigation measures to minimize project effects on air quality would not be required, because no new emissions would occur.

3. Water

a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The Sammamish River flows on the west side of the project location and varies in distance from the concert stage from about 500 to 1000 feet. The northern shore of Lake Sammamish is approximately 5,000 feet southeast of the concert stage.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

No work will occur in-water, over-water or within 200 feet of the described waters.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

No fill or dredge material would be placed in or removed from surface water or wetlands.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No surface water withdrawals or diversions are required.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No. The closest area in the 100-year floodplain for the Sammamish River is approximately 300 feet from the project site.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No. No discharges of waste materials to surface waters will occur.

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No groundwater will be withdrawn for any purpose.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

The project does not include operation or construction of a septic system. No waste material will be discharged to the ground.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

A rain gutter will be constructed on the low side of the new stage roof with a downspout at each end leading down the rear columns. The drain line will exit below the ground south of the stage and tie into the existing stormwater system. This is an improvement over existing conditions, where the runoff sheet flows off the fabric roof and puddles around the stage.

2) Could waste materials enter ground or surface waters? If so, generally describe.

Yes. There is an extremely small risk and possibility that fuel or oil spills could occur from construction machinery leaks. A Spill Prevention, Control and Countermeasures Plan will be prepared to minimize this risk.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

Under existing conditions, runoff sheet flows off the roof and puddles around the stage. With the new roof, runoff will be directed into the existing stormwater system. It is not expected that the proposal will alter the drainage patterns outside the vicinity of the stage.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

A Spill Prevention, Control and Countermeasures Plan will be prepared to minimize the risk and possibility that a spill during construction could reach surface or ground water.

Impacts to runoff water and drainage patterns are not expected, and therefore no additional measures are proposed.

4. Plants

a. Check the types of vegetation found on the site:

X_____deciduous tree: alder, maple, aspen
X_____evergreen tree: fir, cedar, pine
X_____shrubs

X_____grass
_____ pasture
_____ crop or grain
_____ Orchards, vineyards or other permanent crops.
_____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
_____ water plants: water lily, eelgrass, milfoil, other
_____ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Some grass will be removed to excavate four holes for the new footings (eight by eight foot area per footing). In addition, a big leaf maple tree is growing near the southwest corner of the stage. It may not be possible to construct the new footing without impacting the roots of the tree. An arborist will be consulted and every effort will be made to protect the tree, but it may need to be removed or trimmed to accommodate the new roof structure.

c. List threatened and endangered species known to be on or near the site.

None of the vegetation to be removed is contained in the threatened and endangered plant species listing from 50 Code of Federal Regulations (CFR) 17.12 Endangered and Threatened Plants.

In addition, the Washington Department of Natural Resources, Washington Heritage Program database (last updated in March 2014) does not show any threatened or endangered plant species or critical habitat on or near the proposed project site.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Any areas temporarily disturbed during construction will be restored to existing or better conditions after construction is complete. If the big leaf maple cannot be saved, then appropriate mitigation will be provided to compensate for the loss, such as planting new trees. No other measures are proposed to preserve or enhance vegetation at the site.

e. List all noxious weeds and invasive species known to be on or near the site.

No noxious weeds and invasive species are known to be on or near the site. The site is a King County property and any noxious or invasive weeds identified would be managed as required by the State Noxious Weed Law, RCW 17.10.

5. Animals

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include:

birds: hawk, heron, eagle, songbirds, ~~other~~
mammals: deer, ~~bear~~, ~~elk~~, beaver, ~~other~~
fish: ~~bass~~, salmon, trout, ~~herring~~, ~~shellfish~~, ~~other~~

According to the Washington Department of Fish and Wildlife (WDFW) Priority Habitat and Species (PHS) database updated April 2014, a bald eagle nest is located

approximately 1.1 miles southeast of the concert stage near the northern shore of Lake Sammamish and a Great Blue Heron rookery is located approximately 0.85 mile north of the concert stage on the north side of State Route 520 near Redmond Town Center. These species are also regularly seen traveling above Marymoor Park. These species are not expected to be affected by this proposal.

b. List any threatened and endangered species known to be on or near the site.

The WDFW PHS database updated March 2014 shows that the Sammamish River contains Bull Trout (*Salvelinus confluentus*), Chinook salmon (*Oncorhynchus tshawytscha*), and Steelhead (*Oncorhynchus mykiss*). The Sammamish River is approximately 500 to 1000 feet away from the concert stage and will not be affected by this proposal.

c. Is the site part of a migration route? If so, explain.

The project site is located within the Pacific Flyway, which is a major north-south route of travel for migratory birds in America, extending from Alaska to Patagonia. Every year, migratory birds travel some or all of this distance both in spring and in fall, following food sources, heading to breeding grounds, or travelling to overwintering sites. Migrating and nesting birds within the project area will be protected under the Migratory Bird Treaty Act.

d. Proposed measures to preserve or enhance wildlife, if any:

The proposed project is designed to stay within the same approximate footprint as the existing concert stage. The new roof covers more of the stage than the existing roof, but no intrusion into sensitive areas or critical habitat, including wetlands and streams, will occur. So no measures are proposed to preserve or enhance wildlife.

e. List any invasive animal species known to be on or near the site.

No invasive species are known to be on or near the site.

6. Energy and natural resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electricity is currently used for all the concert energy needs (including audio and lighting) and will continue to be used to meet those needs after the project is complete.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

Energy conservation features are not included within the scope of this proposal. A similar amount of energy is expected to be used after the project is complete as compared to current energy levels.

However, while not part of this project, the new roof is south-facing and the potential exists to consider adding solar panels to the roof as part of a separate project in the future.

7. Environmental health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

1) Describe any known or possible contamination at the site from present or past uses.

No known or possible contamination is documented at the site. The Washington State Department of Ecology (Ecology) database of sites that are currently being investigated, cleaned up, or that have already completed the cleanup process was searched. The closest site to the project location in Ecology's database was located approximately 0.6 mile away outside east boundary of Marymoor Park and requires no further cleanup.

Two other sites are located within one mile of Marymoor Park, but they are both located in downtown Redmond, north of State Route 520, well outside the project area.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

No existing hazardous conditions are expected to affect the project. A utility locate has been done to verify the location of the utilities.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

Toxic or hazardous chemicals, such as fuel or hydraulic fluids, would be used in construction equipment during construction.

Toxic or hazardous chemicals will not be stored at the project site during the operating life of the project.

4) Describe special emergency services that might be required.

King County Parks employees are trained in spill response and construction Best Management Practices (BMPs) and could manage minor incidents. The City of Redmond Emergency Services would provide support for major incidents.

5) Proposed measures to reduce or control environmental health hazards, if any:

A Spill Prevention, Control and Countermeasures Plan will be prepared to minimize the risk that

toxic or hazardous chemicals will be released to the environment during construction.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

State Route 520 borders the north property line of Marymoor Park and generates freeway traffic noise. The existing noise is not expected to affect the project.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Varying levels of live music are played during concerts and will continue to be played once the project is complete. The concert season starts in May and typically ends by September. Shows are typically in the evening and occur on both weekdays and weekends. Noise levels associated with new roof are expected to be similar or less than the existing noise levels.

Noise levels are currently measured during each concert at two locations approximately 100 feet and 350 feet from the stage using a *General Tools & Instruments DSM403SD Class 1 Data Logging Sound Level Meter* and a *GOLD LINE Sound Pressure Level Meter Model SPL120L* respectively. These measurements show typical noise levels during a concert ranging from 55 to 90 dBA with an occasional spike up to 105 dBA. For comparison, some common noise levels according to Centers for Disease Control and Prevention (CDC) are:

Typical Library:	40 dBA
Normal Conversation:	60 dBA
School Cafeteria:	85 dBA
Power tools:	100 dBA
Ambulance Siren:	120 dBA

When noise levels during a concert are consistently over 82 dBA, approximately 350 feet from the stage, the King County Concert Operations Staff ask the stage crew to lower the volume.

3) Proposed measures to reduce or control noise impacts, if any:

The new roof design will include an acoustical deck, or similar material, that will provide more sound attenuation than the existing roof. In addition the new roof will be stiff and angled to direct the sound toward the audience and ground. This should provide an improvement over existing noise levels. An acoustical consultant is assigned to the project and is assisting with the technical aspects of keeping sound levels similar or lower than under existing conditions.

As an additional measure, concerts are typically scheduled to end by 10 PM to minimize impacts to adjacent properties.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The current use of the site and adjacent property is a park. The proposal will not change current land uses on nearby or adjacent properties.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

No.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No.

c. Describe any structures on the site.

An existing concert stage is currently located on the site. The existing stage covers approximately 3,000 square feet. The existing roof is approximately 42 feet high (from the ground level) at its peak. In addition, there is a building located at the north end of the concert site with restrooms.

d. Will any structures be demolished? If so, what?

The existing stage roof and support beams will be disassembled, removed from the site, and replaced with the new structure.

e. What is the current zoning classification of the site?

The majority of Marymoor Park site is zoned R-1 (Residential, one dwelling unit per acre). The parcel in on the southeast side is zoned at R-4 (Residential, four dwelling units per acre). A parcel on the northern side is zoned I (Industrial).

f. What is the current comprehensive plan designation of the site?

King County Open Space System (os)

g. If applicable, what is the current shoreline master program designation of the site?

The concert venue and stage are not located in a designated shoreline area; however nearby portions of Marymoor Park are in a designated Conservancy Shoreline area.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

The area used for the concert venue is mapped as being in a seismic hazard zone but no other critical areas are mapped in the concert venue area. Other areas in Marymoor Park are mapped as having wetlands, streams, and being within the 100-year floodplain.

i. Approximately how many people would reside or work in the completed project?

Currently 20 or fewer people work at each concert. This includes the stage crew and artists not affiliated with King County, as well as King County employees doing maintenance and/or repairs.

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not applicable

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The proposal does not change the existing land use at the site. The site is currently used as a concert venue and will continue to be used as a concert venue afterwards.

The King County Landmarks commission is also reviewing the project to verify that the project is compatible with the Willowmoor Farm Historic District. See Section 13 (Historic and Cultural Preservation) for more information on the Historic District.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

No agricultural or forest lands are located near the project, so no additional measures are proposed.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None.

c. Proposed measures to reduce or control housing impacts, if any:

None. No housing impacts will occur.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

The tallest point on the proposed roof is 50 feet and 7 inches above the existing ground surface. In comparison, the tallest point on the existing roof is approximately 42 feet above ground surface.

b. What views in the immediate vicinity would be altered or obstructed?

The roof will be approximately seven feet taller than the existing roof when viewed from the front of the stage; however, the roof structure has a thinner profile than the existing roof and is sloped down towards the back of the stage. The new roof will extend four feet beyond the sides of the stage and all the way to back of the stage to provide better protection from rain. This may slightly obstruct views of the surrounding landscape by concert-goers in the vicinity of the stage, but no other views will be obstructed by the roof. The new roof will look more natural in the landscape than the existing.

c. Proposed measures to reduce or control aesthetic impacts, if any:

The height of the new proposed roof has been designed to be as low as possible while still providing the rigging and truss locations required to safely and reasonably install the equipment needed by the artists to perform. The new stage will have a thinner profile than the existing roof and will blend into the landscape better. The existing stage roof has limitations that have caused some artists to reject performing at this location. The project seeks to remove some of those limitations.

In addition, the structure will be painted a dark color, such as brown and black, and will blend into the landscape better than the existing roof.

11. Light and glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Lighting attached to the stage will be used by the artists during concerts. This lighting will remain similar in intensity and amount as under existing conditions and is limited to the venue. Concerts are primarily performed in the evenings and are completed by 10 PM to minimize any potential impacts to adjacent properties.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No. The lighting is limited to the venue and should not pose a safety hazard or interfere with views.

c. What existing off-site sources of light or glare may affect your proposal?

None.

d. Proposed measures to reduce or control light and glare impacts, if any:

Temporary screens are attached to the sides of the stage to keep lights directed into the venue. These screens are made of a light weight textile called scrim.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

The proposed project is located in Marymoor Park which is King County's largest and most popular park with 640 acres of recreation opportunities. Recreation opportunities include, but are not limited to, walking/jogging/cycling trails, softball/baseball and soccer fields, off-leash dog area, Sammamish River access, rock climbing wall, remote control airplane flying field, playground equipment, and picnicking.

b. Would the proposed project displace any existing recreational uses? If so, describe.

To construct the new roof, construction equipment will need to access the stage and will need to deliver and remove materials needed for construction. For safety reasons, access to areas near the stage may be limited during construction and during the arrival and departure of construction equipment.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Every effort will be made to contain impacts to recreational opportunities to the area in the immediate vicinity of the stage. Access to recreational opportunities will only be limited to protect the safety of the public.

13. Historic and cultural preservation

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe.

Yes. The project site is located in the Willowmoor Farm Historic District (District) which includes the Clise Mansion and associated grounds. The District is formally recognized for its prehistoric, historic, architectural, and cultural landscape significance. The Clise Mansion, the Windmill and archeological sites are listed in the National Register of Historic Places (1970/1973). The District was designated as a King County Landmark in 1982.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

Yes. The archeological site in the District is listed in the National Register of Historic Places as the Marymoor Prehistoric Indian Site (45-KI-9). Evidence unearthed during a six-year-long archaeological excavation indicates that the site may have been used as a seasonal camp as early as 3000 or even 4000 B.C. and as a more substantial campsite around 1000 B.C. Additionally, archaeological sites 45-KI-10, 45-KI-492, 45-KI-493, 45-KI-941, 45-KI-956, 45-KI-839, 45-KI-8, and 45-KI226 are all located in the vicinity of the proposed project. At least twelve professional archaeological studies have been conducted to date within the Marymoor Park boundaries. None of these studies investigated the footprint of the proposed project. Miss (2010), a monitoring report for a utility project, and Hoyt (2009), a survey for a proposed fenceline that identified site 45-KI-941, are the two reports closest to the project.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

The project is applying for a Certificate of Appropriateness from the King County Landmarks Commission. The review process will ensure that the project is compatible with the District. A database review of both the DAHP WISAARD database and the King County CRRP database was undertaken for project, revealing the high density of recorded sites in the project vicinity.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

The project is designed to stay within the same approximate footprint as the existing stage and roof. The roof will be slightly taller than the existing roof to better meet the technical, safety and equipment needs of the artists and their crew. The new roof will also cover more of the stage. The King County Landmarks Commission will review the design and issue a Certificate of Appropriateness once it is determined that the design is acceptable. The design has already been verbally approved and formal approval is expected soon. Expected conditions in the Certificate of Appropriateness are to conduct archeological monitoring in the areas of excavation; to paint the roof a dark color (brown or black), and to keep the structural supports as small as possible while still being structurally sound.

14. Transportation

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

Marymoor Park is accessible via West Lake Sammamish Parkway NE on the west side and East Lake Sammamish Parkway NE on the east side. State Route 520 is located west and north of the park.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

There are not any King County Metro bus stops directly in Marymoor Park, but multiple buses serve the surrounding area. Multiple bus stops are located within approximately 0.5 mile from both the east and west entrances of the park.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

The project will not change the number of parking spaces available.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

The project will not change the number of users in Marymoor Park or concert-goers allowed in the concert venue and therefore will not change the number of vehicular trips in the area.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

h. Proposed measures to reduce or control transportation impacts, if any:

No transportation impacts are expected as a result of this project, so no additional measures are proposed.

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any.

No impacts are expected to public services so no additional measures are proposed.

16. Utilities

a. **Circle utilities currently available at the site:**
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

b. **Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.**

No new utilities are proposed for the project; however, it is possible that some existing utilities may need to be slightly relocated to accommodate the new footings. That need will be determined as part of the final project design.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____

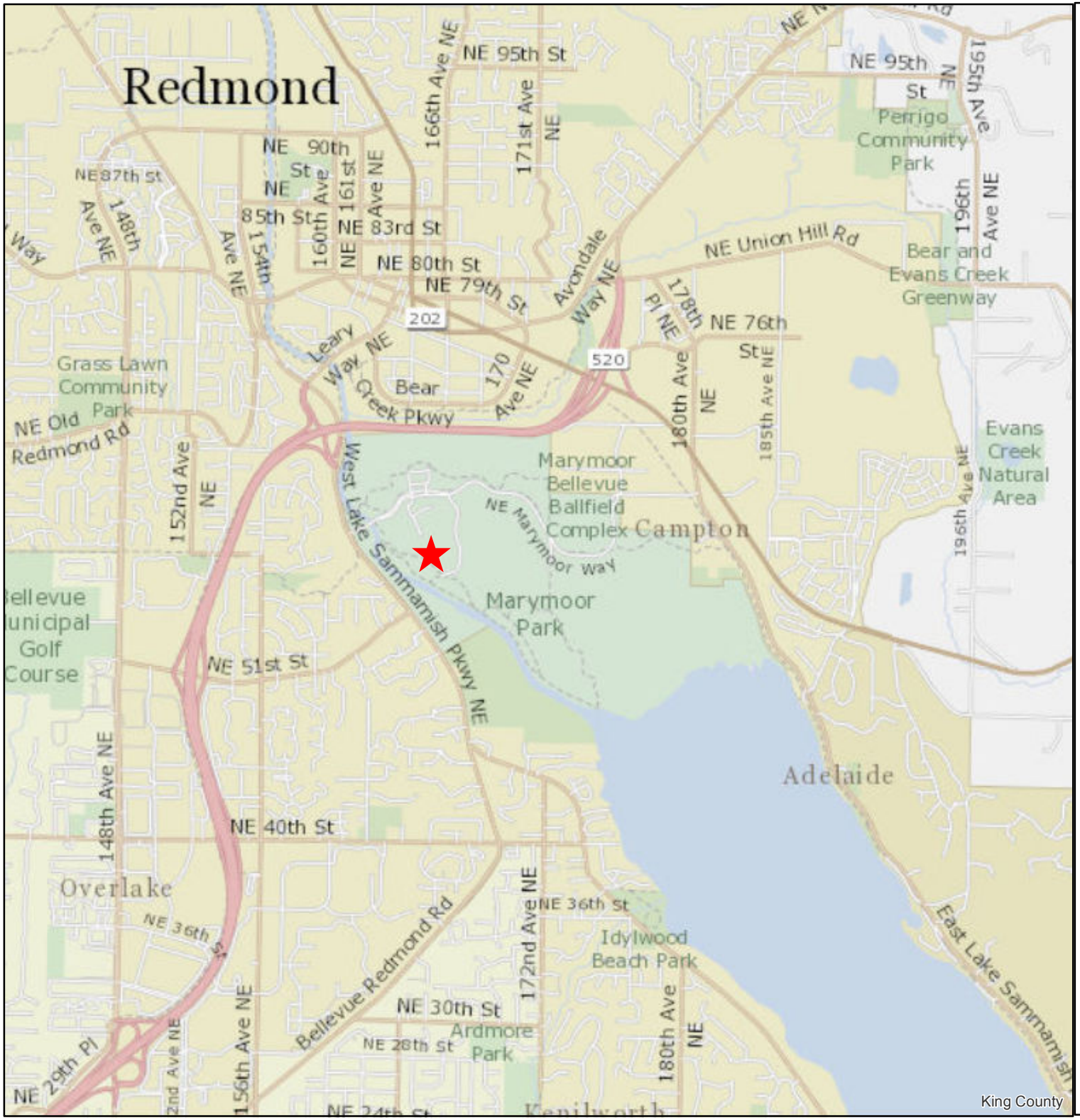
Name of Signee: Frank Overton, Capital Project Managing Supervisor

Position and Agency/Organization:
King County Department of Natural Resources and Parks, Parks and Recreation Division

Date Signed: 9/3/14

Marymoor Park Concert Stage Roof Replacement Project

Vicinity Map



Marymoor Park Concert Stage

N

0 2,500 5,000 Feet

King County

Department of
Natural Resources and Parks
Parks and Recreation Division

8/27/2014

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Marymoor Park Concert Stage Roof Replacement (Project #1123527)

Greenhouse Gas Estimation Worksheet Version 1.7 (King County Department of Permitting and Environmental Review)

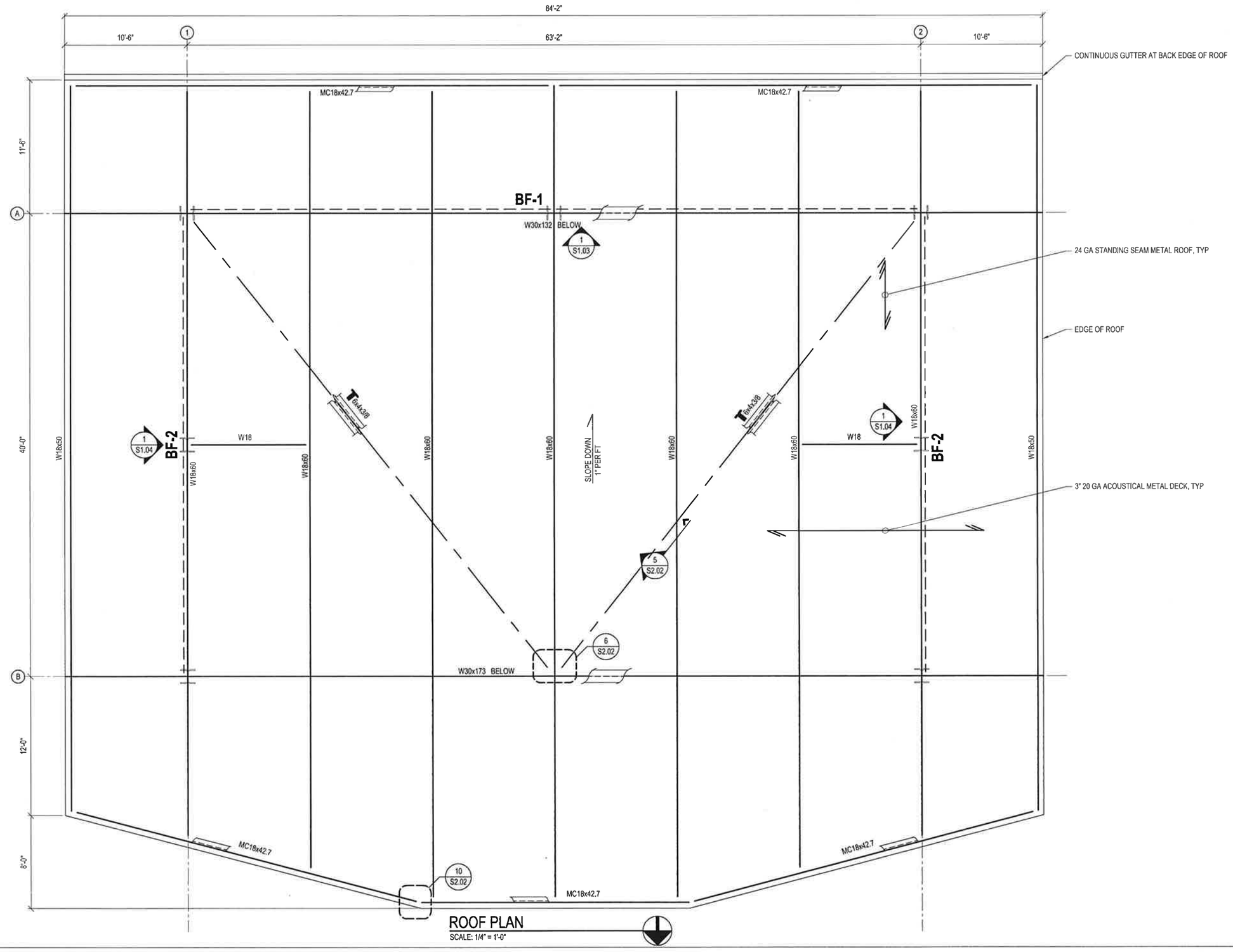
Section I: Buildings

			Emissions Per Unit or Per Thousand Square Feet (MTCO2e)			
Type (Residential) or Principal Activity (Commercial)	# Units	Square Feet (in thousands of square feet)	Embodied	Energy	Transportation	**Lifespan Emissions (MTCO2e)**
Single-Family Home.....	0		98	672	792	**0**
Multi-Family Unit in Large Building	0		33	357	766	**0**
Multi-Family Unit in Small Building	0		54	681	766	**0**
Mobile Home.....	0		41	475	709	**0**
Education		0.0	39	646	361	**0**
Food Sales		0.0	39	1,541	282	**0**
Food Service		0.0	39	1,994	561	**0**
Health Care Inpatient		0.0	39	1,938	582	**0**
Health Care Outpatient		0.0	39	737	571	**0**
Lodging		0.0	39	777	117	**0**
Retail (Other Than Mall).....		0.0	39	577	247	**0**
Office		0.0	39	723	588	**0**
Public Assembly		0.0	39	733	150	**0**
Public Order and Safety		0.0	39	899	374	**0**
Religious Worship		0.0	39	339	129	**0**
Service		0.0	39	599	266	**0**
Warehouse and Storage		0.0	39	352	181	**0**
Other		**6.4**	39	1,278	257	**10075**
Vacant		0.0	39	162	47	**0**

Section II: Pavement.....

Pavement.....		0.00				**0**

Total Lifetime Project Emissions: **10075**



ROOF PLAN
SCALE: 1/4" = 1'-0"

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King County
Department of Executive Services
Facilities Management Division
Capital Planning and Development
King County Administration Building
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Seattle, Washington 98104
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1424 Fourth Ave, Suite 815
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DRAFT

MARYMOOR PARK
CONCERT STAGE ROOF REPLACEMENT

KING COUNTY DEPT. OF NATURAL RESOURCES & PARKS

60% SUBMITTAL

ISSUE / REVISIONS

ID	DATE	DESCRIPTION
△	2014 08 25	REVIEW SUBMITTAL
△		
△		
△		
△		
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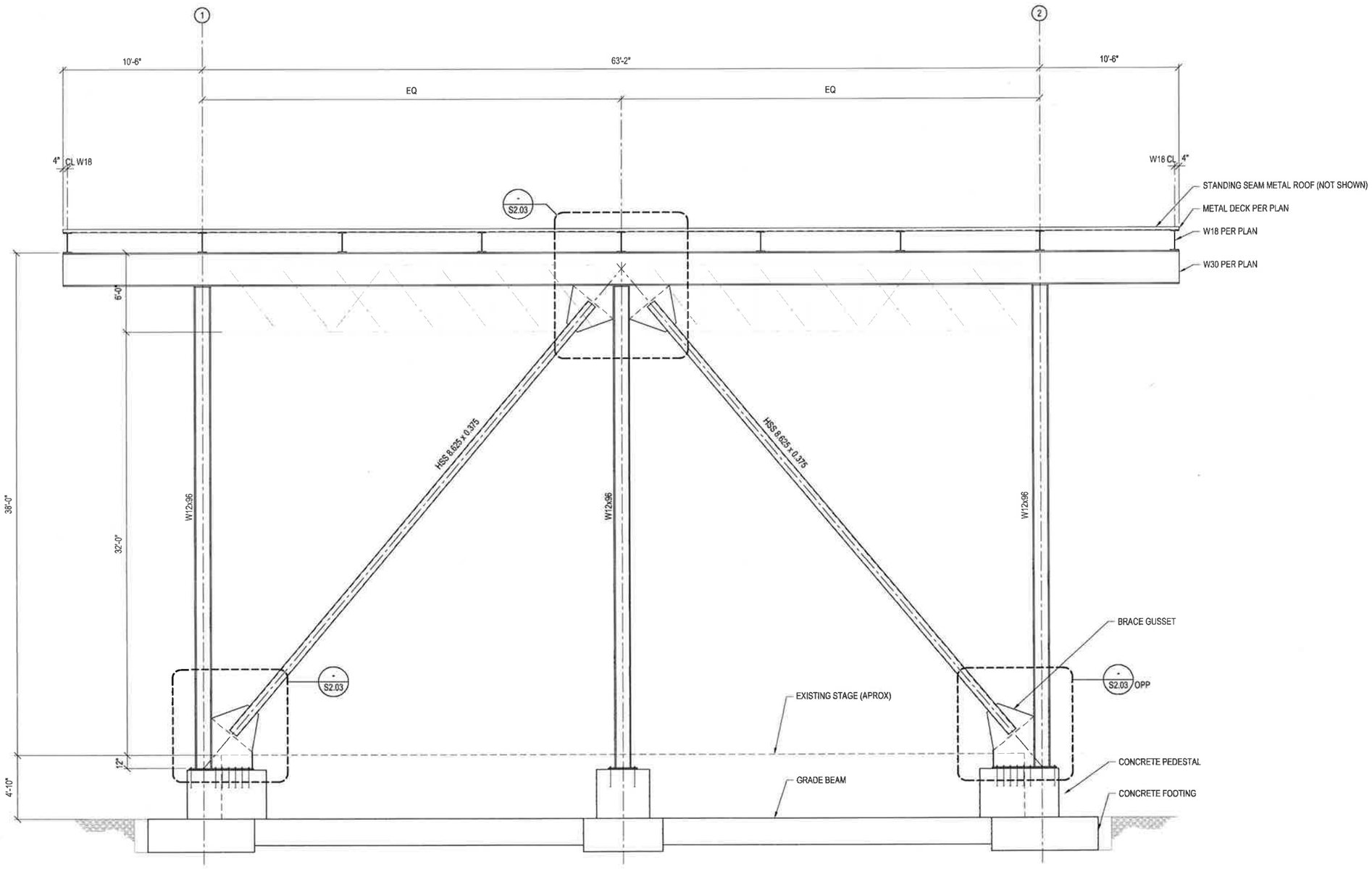
PROJECT NO.	1123527
RECORD NO.	CA-0231
FILE	
CONTRACT NO.	E00263E12
DRAWN BY SH	CHECKED BY ML

SHEET TITLE
ROOF PLAN

S1.02

OF



BRACED FRAME 1 ELEVATION

SCALE: 1/4" = 1'-0"

1

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△		
△		
△		
△		
△		

PROJECT NO.	1123527
RECORD NO.	CA-0231
FILE	
CONTRACT NO.	E00263E12
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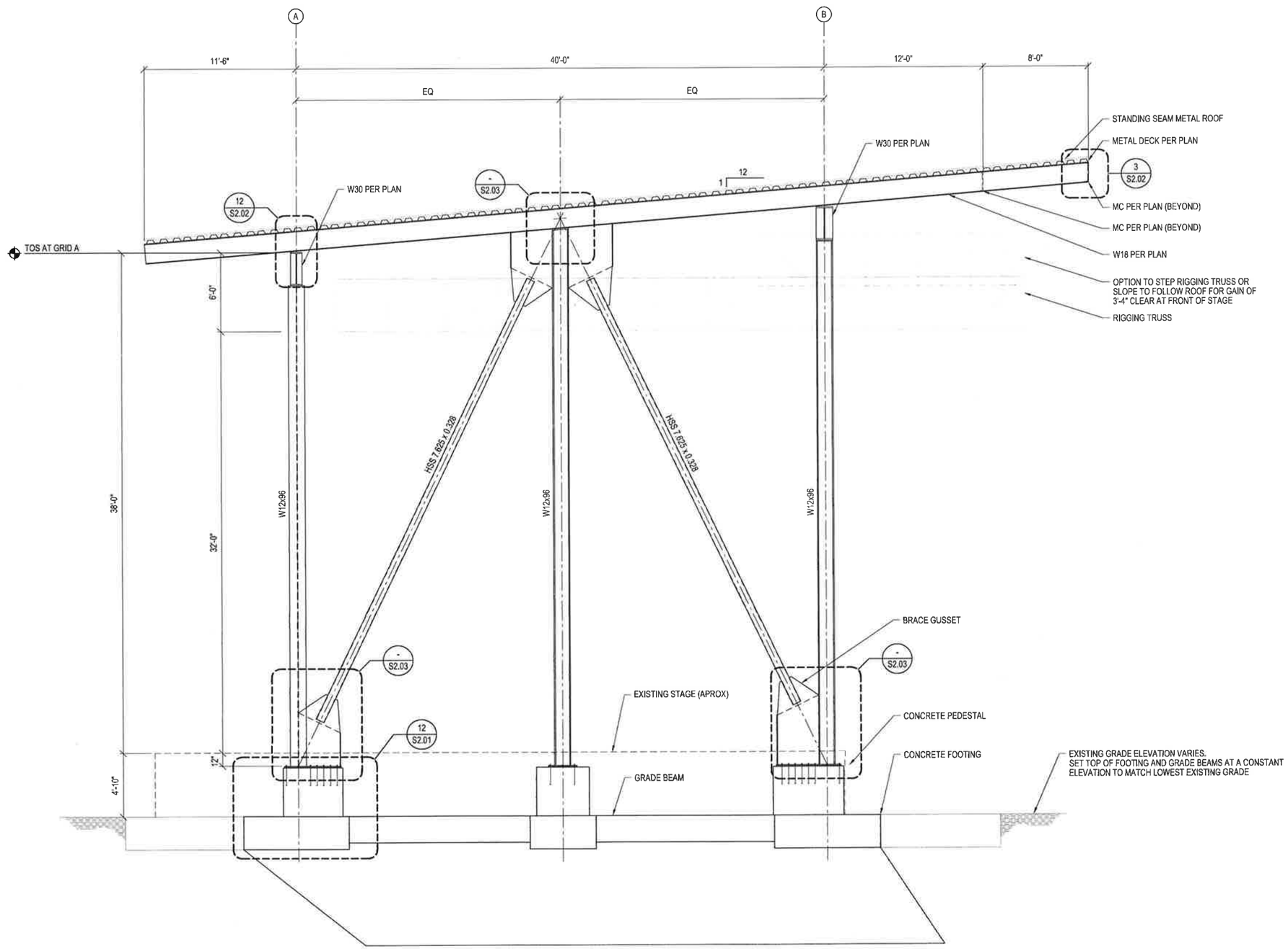
SHEET TITLE

BRACED FRAME 1 ELEVATION

S1.03

OF



BRACED FRAME 2 ELEVATION

SCALE: 1/4" = 1'-0"

1

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BRACED FRAME 2 ELEVATION

S1.04

OF