



Oregon State University

REQUEST FOR PROPOSAL (RFP) #2025-019176

OSU-CASCADES (OSU-C) PHOTVOLTAIC INSTALL PHASE A DESIGN-BUILD (D-B) SERVICES

ISSUE DATE: JUNE 18, 2025

MANDATORY VIRTUAL PRE-PROPOSAL
CONFERENCE:
June 26, 2025, at 1:30 PM Pacific Time (PT) via Zoom

RFP DUE DATE/TIME:
July 15, 2025, at 2:00 PM Pacific Time (PT) via
electronic submission to bids@oregonstate.edu

QUESTION DEADLINE: July 8, 2025, at 12:00 PM Pacific Time (PT)

PROJECT NUMBER: 2539-25B

CONTRACT ADMINISTRATOR:

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APPEALS:

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It is the Proposer's responsibility to continue to monitor the [OSU Business and Bid Opportunities](#) website for Addenda. Failure to acknowledge any Addenda in the Transmittal Letter may cause your Proposal to be considered non-responsive.

OSU standards and policies govern this solicitation ([Procurement Thresholds and Methods, Procurement Solicitations and Contracts](#)) unless otherwise referenced or stated.

1.0 INTRODUCTION

1.1 Oregon State University (“OSU” and/or “Owner”) is conducting a competitive **TWO-STEP** Request for Proposals (RFP) process to retain ONE (1) Energy Trust of Oregon (ETO) Solar Trade Ally Contractor to provide Design-Build Services for the OSU-Cascades Photovoltaic Install Phase A (*the “Project”*).

OSU WILL ONLY BE ACCEPTING SEALED PROPOSALS ELECTRONICALLY - Proposals are to be submitted to bids@oregonstate.edu by the Due Date/Time.

MANDATORY PRE-PROPOSAL CONFERENCE- A virtual Mandatory Pre-Proposal Conference will be held on June 26, 2025, at 1:30 PM PT via Zoom. Firms wishing to attend shall e-mail constructioncontracts@oregonstate.edu no later than 30 minutes in advance to receive the Zoom link. The email subject line should contain the Solicitation Number/Name and Firm Name.

All questions shall be submitted via e-mail to constructioncontracts@oregonstate.edu by the Question Deadline in order to be addressed. The email subject line should contain the Solicitation Number/Name and Firm Name.

1.2 Background. Founded in 1868 as Oregon’s land grant institution, OSU serves the state, the nation and the world as a premier 21st-century research university. OSU is committed to exceptional research, discovery, innovation and engagement — and to integrating its research and engagement mission with the delivery of a high-quality, globally relevant and affordable education for the people of Oregon and beyond. OSU is one of only four land, sea, space and sun grant universities in the U.S. and is the only university in Oregon to have earned both Carnegie Classifications for Very High Research Activity and Community Engagement. In 2013, the Oregon Legislature allocated the first phase of capital to build an OSU campus in Bend, offering a range of undergraduate and graduate degrees.

Oregon State University – Cascades in Bend, Oregon is located within the traditional homelands of the Wasq’u (Wasco) and Tana’nma (Warm Springs) people who legally retain customary hunting, fishing and gathering rights to the region, and who have been stewards of this land since time immemorial. Numu (Paiute) peoples were forcibly relocated to this region from the area of Lake, Harney, and Malheur counties in Oregon. Today, the living descendants of these people are a part of the Confederated Tribes of Warm Springs. It is OSU-Cascades’ intent and responsibility to work with tribes to recognize Indigenous rights in the region. Indigenous people are valued, contributing members of the Oregon State community and represent multiple sovereign tribes among students, faculty, staff and alumni.

Oregon State University accepts its responsibility for understanding the continuing impact of that history on these communities. Oregon State is committed — in the spirit of self-reflection, learning, reconciliation, and partnership — to ensure that this institution of higher learning will be of enduring benefit, not only to the state of Oregon, but also to the people on whose ancestral lands it is now located.

The first OSU-Cascades (“OSU-C”) building opened in fall 2016 on a 10-acre site adjacent to a former pumice mine and a former construction demolition landfill (both now owned by the university).

Through long range development planning (“**LRDP**”) and master planning processes over the last few years, the university has evaluated both the pumice mine and landfill for future campus development and expansion to accommodate up to 5,000 students.

The LRDP process included a commitment to sustainably developing a triple Net-Zero campus. Triple Net-Zero means the campus will balance energy use, water consumption, and waste generation with energy generation, water capture, and material reuse. The LRDP net zero energy plan has been further developed into an energy master plan for the campus allowing each future capital project to leverage the energy study recommendations and design guidelines that will incrementally move the campus along the net zero energy (NZE) path.

The campus has now established multiple buildings and is ready for the installation of Photo-Voltaic (PV) panels on the roofs. The campus energy plan notes that in order for OSU-Cascades to reach NZE, the campus will need to maximize the amount of solar energy we harvest from each roof and install ground mount solar in future years (not part of this solicitation).

1.3 Location. Various Buildings on the OSU-Cascades campus in Bend (1500 SW Chandler Ave, Bend Oregon 97702).

1.4 Summary of Work. OSU-Cascades is seeking an Energy Trust of Oregon (ETO) Solar Trade Ally Contractor for the installation of PV panels and associated support infrastructure on the rooftops of all 5 OSU-Cascades Buildings (Residence Hall, Obsidian Hall, Tykeson Hall, Edward J. Ray Hall and Student Success Center) taking care to cost-effectively maximize the overall installation size.

1.5 Scope of Services. All design and construction work necessary to install PV panels on the roof tops of each of the buildings listed above. Services anticipated in that scope include but are not limited to: design, permitting (permit fees paid by OSU directly), construction, electrical installation, any structural engineering, and commissioning of the proposed system. OSU’s current plans for the PV on each of the first 5 buildings are informed by the roof materials and original building design:

1. Residence Hall (c.2016) - standing seam metal roof, track mounted PV, roof mounted inverters, conduits exist to the ground level for conductor installation to main panel (see Exhibit 1)
2. Obsidian Hall (c.2016) - standing seam metal roof, track mounted PV, roof mechanical room mounted inverters, conduits exist to the ground level for conductor installation to main panel (see Exhibit 1)
3. Student Success Center (c.2024) - standing seam metal roof, track mounted PV, roof mechanical enclosure mounted inverters, conduits exist to the ground level for conductor installation to main panel (see Exhibit 1)
4. Ray Hall (c.2021) – TPO roof, mix of ballasted and rack mounted (over mech enclosure) PV, roof mechanical enclosure mounted inverters, conduits exist to the ground level for conductor installation to main panel (see Exhibit 1)
5. Tykeson Hall (c. 2016) TPO roof, mix of pedestal mounted racks and ballasted PV, roof mechanical enclosure mounted inverters, conduits exist to the ground level for conductor installation to main panel (see Exhibit 1)

An initial review of PV capacity estimated that the available rooftop area on these 5 buildings combined could generate 650KW to 800MW of electricity though each of these buildings are individually metered by Pacific Power Corp. and each building will be grid tied.

2.0 SCHEDULE

Issue Date	June 18, 2025
Mandatory Pre-Proposal Conference	June 26, 2025, at 1:30 PM PT
Question Deadline	July 8, 2025, at 12:00 PM PT
Final Addendum Issuance (if necessary)	By July 11, 2025
Proposal Due Date/Time	July 15, 2025, at 2:00 PM PT

The following dates are tentative and subject to change without notice:

Estimated notification of finalists (If Applicable)	By July 25, 2025
Mandatory Site-Visit for Finalists	Week of August 4
Submission of Technical/Pricing Proposals	By August 15, 2025
Notice of Intent to Award	By August 22, 2025
Estimated Contract execution	By September 5, 2025
Estimated Notice to Proceed	By September 5, 2025

OSU will make every effort to adhere to the above schedule. It is, however, subject to change.

3.0 QUESTIONS, SOLICITATION REVISION REQUESTS, CHANGE OR MODIFICATION, APPEALS

3.1 Questions.

3.1.1 All questions and contacts with OSU regarding any information in this RFP must be addressed in writing via email to constructioncontracts@oregonstate.edu no later than the **Question Deadline** as stated in Section 2.0. If a Proposer is unclear about *any* information contained in this document or its exhibits (Project, scope, etc.), they are urged to submit those questions for formal clarification.

3.2 Solicitation Process Revision Requests.

3.2.1 Proposers may submit a written request for change of particular solicitation process provisions to the **Chief Procurement Officer** at the address or email listed in this document. Such requests for change shall be received no later than the **Question Deadline** listed above.

3.2.2 Such requests for change shall include the reasons for the request and any proposed changes to the solicitation process provisions.

3.3 Change or Modification.

3.3.1 Any change or modification provided by the Owner for this RFP or the documents included as exhibits to this RFP shall be made by a duly issued Addendum made available to all firms on the [OSU Business and Bid Opportunities](https://www.oregonstate.edu/businessandbidopportunities) website. It is the responsibility of each

Proposer to visit the website and download any addenda. No information received in any manner different than as described herein shall serve to change the RFP in any way, regardless of the source of the information.

3.3.2 OSU will not be responsible for any other explanation or interpretation of this RFP or the documents included as exhibits to this RFP.

3.4. Appeals.

3.4.1 Appeals related to the OSU solicitation process and award decisions and actions shall be pursuant to OSU Standards ([*Procurement Thresholds and Methods, Procurement Solicitations and Contracts*](#)). All written appeals must be delivered to the **Chief Procurement Officer**, at the address given in this RFP.

4.0 PUBLIC RECORD

4.1 OSU will retain an electronic copy of this RFP and one electronic copy of each Proposal received, together with electronic copies of all documents pertaining to the award of a contract. These documents will be made a part of a file or record, which shall be open to public inspection after OSU has announced its intent to award a contract. If a Proposal contains any information that is considered a trade secret under ORS 192.345(2), you must mark each trade secret with the following legend: **“This data constitutes a trade secret under ORS 192.345(2), and shall not be disclosed except in accordance with the Oregon Public Records Law, ORS Chapter 192.”**

4.2 The Oregon Public Records Law exempts from disclosure only bona fide trade secrets, and the exemption from disclosure applies only “unless the public interest requires disclosure in the particular instance.”

4.2.1 Therefore, non-disclosure of documents or any portion of a document submitted as part of a Proposal may depend upon official or judicial determination made pursuant to the Public Records Law.

4.3 In order to facilitate public inspection of the non-confidential portion of the Proposal, material designated as confidential shall accompany the Proposal, but shall be readily separable from it. Prices, makes, model or catalog numbers of items offered, scheduled delivery dates, and terms of payment shall be publicly available regardless of any designation to the contrary. Any Proposal marked as a trade secret in its entirety may be considered non-responsive and be rejected.

5.0 FORM OF AGREEMENT

A Sample Design-Build (D-B) Agreement is included as an exhibit and contains contract terms and conditions applicable to the work. The sample contract may contain certain notes or alternative provisions. Those alternative provisions will be included at the sole discretion of OSU.

6.0 BUREAU OF LABOR AND INDUSTRIES (BOLI) PREVAILING WAGES

The Oregon BOLI Prevailing Wage Rates applicable to this Project are the rates in effect at the time the contract enters the construction phase through the execution of the first Pricing Amendment for Early

Work, Lump Sum or Guaranteed Maximum Price (GMP). Those rates will then apply throughout the Project.

7.0 INSTRUCTIONS TO OFFERORS

7.1 Summary of Work. The Work contemplated in this document shall be for OSU in connection with the Project described in Section **1.0** of this document.

7.2 Pre-Proposal Conference and Site Visit.

7.2.1 The Pre-Proposal Conference will be administered virtually via Zoom. Proposers **must** contact the **Contract Administrator** to request virtual Conference access. This request must occur no later than thirty (30) minutes prior to the meeting time, as stated in this RFP.

The Proposer must attend the Mandatory Pre-Proposal Conference, which will be administered virtually. Proposals will not be accepted from those firms who have not had a representative attend the Mandatory Pre-Proposal Conference. Attendance will be documented by OSU. Proposers who arrive more than five (5) minutes after start time of the meeting (as stated in the RFP and by OSU's clock) or after the discussion portion of the meeting, (whichever comes first) will not have their attendance documented and will have their Proposal rejected **if submitted**.

7.2.2 No statement made by any officer, agent, or employee of OSU in relation to the physical conditions pertaining to the Work site will be binding on OSU, unless included in writing in the documents included as exhibits to this RFP or an Addendum.

7.2.3 Date and Time of a Pre-Proposal Conference is located on the cover sheet of this RFP.

7.3 Proposal Submission.

7.3.1 Submit **one (1) electronic version via email** to be received by the Due Date/Time listed in this document to bids@oregonstate.edu as stated in this RFP. **Electronic versions must be sized appropriately for transfer (under 10 mb).**

7.3.2 All Proposals must be received by OSU before the Due Date/Time. OSU's official clock shall prevail in any time conflict. Any Proposal received after the Due Date/Time will be rejected and will be retained and made part of OSU's archive records in accordance with OSU Standards.

7.3.3 All Proposers must be registered and licensed with the Oregon Construction Contractors Board and have on file with the Construction Contractors Board the required public works bond prior to submitting Proposals. Failure to be licensed and have the bond in place will be sufficient cause to reject Proposals as non-responsive.

7.4 Proposal Submission Requirements.

7.4.1 Your Proposal must be contained in a document not to exceed TEN (10) single sided pages including pictures, charts, graphs, tables and text you deem appropriate to be part of OSU's review of your Proposal. Resumes of key individuals proposed to be involved in this Project are exempted from the page limit and must be appended to the end of your Proposal. No supplemental information to the page limit will be allowed. Appended resumes of the proposed key individuals, along with a Transmittal letter, table of contents, front and back covers, references, exceptions and blank section dividers will not be counted in the page limit.

7.4.2 Your Proposal must follow the format outlined below and include a Transmittal/Cover Letter signed by an officer of your firm(s) with the authority to commit the firm(s) and must also acknowledge receipt of all addenda. Include an email address for communication purposes.

7.4.3 Any/all exceptions to the Terms and Conditions included in the Sample Contract shall be clearly identified and appended to the Proposal in order to be considered by OSU during the negotiation period.

7.4.4 The electronic Proposal should be **should be sized appropriately for transfer (under 10 MB)** and formatted with page size of **8 ½ x 11 inches** with no fold-outs (except for any large format documents required by evaluation criteria). The basic text information of the Proposal should be presented in standard business font size, and reasonable margins.

7.4.5 OSU may reject any Proposal not in compliance with all applicable OSU solicitation procedures and requirements, and may cancel this solicitation or reject for good cause, all Proposals upon a finding by OSU that it is in the public interest to do so.

7.4.6 Note that throughout this procurement process, OSU will not accept Proposals that require OSU to pay the cost of production or delivery.

7.4.7 Telephone and facsimile transmitted **Proposals will not be accepted**. Proposals received *after* the Due Date/Time **will not be considered**.

7.4.8 Each Proposal shall be emailed to bids@oregonstate.edu. Proposals must be received by the date/time and in the format specified herein. The email line should contain the Solicitation Number/Name and Firm Name. Only those Proposals received at this email address by the Proposal Due Date/Time shall be considered responsive. Proposals submitted directly to the **Contract Administrator** will NOT be considered responsive. It is highly recommended that the Proposer confirms receipt of the email with the **Contract Administrator or designee**. The **Contract Administrator** or designee may open the email to confirm receipt but will NOT verify the integrity of the attachment(s), answer questions related to the content of the Proposal, or address the overall responsiveness of the Proposal.

7.5 Acceptance or Rejection of Solicitation Responses by OSU.

7.5.1 The procedures for Contract awards shall be in compliance with the provisions of OSU standards and policies adopted by OSU.

7.5.2 OSU reserves the right to reject any or all Proposals and to waive minor informalities in compliance with the provisions of OSU standards and policies adopted by OSU.

7.6 Withdrawal of Solicitation Response.

7.6.1 At any time prior to the Due Date/Time, a Proposer may withdraw its Proposal in accordance with OSU Standards. This will not preclude the submission of another Proposal by such Proposer prior to the Due Date/Time.

7.6.2 After the Due Date/Time, Proposers are prohibited from withdrawing their Proposal, except as provided by OSU Standards.

7.7 Evaluation Process.

The written response to this RFP is the first in a **two-step** process in the selection of a Design-Build team for this Project. The Proposals received in response to this RFP will be evaluated by a selection committee (Step 1) with the top scoring firms being invited to advance to Step 2 which will include the submission of Technical and Pricing Proposals.

Following completion of the 2nd Step, the members of the selection committee will discuss the strengths and weaknesses of the finalists. The members of the selection committee will then score the finalists based on all information received throughout the 2nd step in the process. Optional Reference Checks may also be undertaken to aid in final scoring. Upon completion of final scoring, negotiations may commence in accordance with OSU Standards.

Final scoring of the 2nd Step will be **separate and not cumulative** from the short-listing.

7.8 Evaluation Criteria. The following items constitute the evaluation criteria for the selection committee to score Proposals in Step 1. For ease in reviewing, provide tabs keyed to each of the following criteria:

7.8.1 Firm Background and Description (20 Points)

Provide a brief description of your firm and the projects your firm is currently contracted for and at what stage you are in terms of completion. Provide documentation confirming your Firm is an Energy Trust of Oregon (ETO) Solar Trade Ally.

7.8.2 Key Personnel (20 Points)

Identify the personnel in your Design-Build team who would be assigned to the project, their specific roles in this project, their previous experience in those roles and availability.

7.8.3 Experience on Similar Projects (25 points)

Describe your experience on past completed commercial roof mounted PV installations 250KW and greater in the last 5 years. Please include the following:

- a. Project location & PV system size (KW)

- b. Approach to evaluating and cost effectively maximizing PV sizing
- c. Total design and construction costs of the project
- d. Total Energy Trust and other incentives applied for and received
- e. Customer contact information (Name, phone and email)

7.8.4 Project Challenges (20 points)

Identify all commercial PV installation winter weather experience in Central Oregon. Describe the most complex and/or difficult site (either in Central Oregon or elsewhere) with regard to logistics, safety, building complexity, and owner communication and how your team successfully executed the work.

7.8.5 Workforce Diversity Plan (15 Points)

(a) Provide a description and identification of Minority Business Enterprise (MBE), Women Business Enterprise (WBE), Emerging Small Business (ESB), or Disabled Service Veterans (DSV) certifications for your team and a description of your nondiscrimination practices. Provide historical information on MBE, WBE, ESB, or DSV Joint Ventures, subcontracting or mentoring plan, and utilization history for projects completed by your firm within the past three (3) years.

(b) Provide a narrative description of your current workforce diversity program/plan, and the plan for obtaining subcontracting, consulting, and supplier diversity for this Project. Include a description of the outreach program or plan, including a schedule of events and specific steps that will be taken to maximize broad based and inclusive participation and the plan to provide mentoring, technical or other business development services to subcontractors/subconsultants needing or requesting such services.

The Design-Builder must perform the Work according to the means and methods described in the workforce plan described in its Proposal, unless changes are requested and approved in writing in advance by OSU or are required by applicable laws, ordinances, codes, regulations, rules or standards.

7.9 Point Summary Table.

Criteria	Point Value
Firm Background and Description	20 Points
Key Personnel	20 Points
Experience on Similar Projects	25 Points
Project Challenges	20 Points
Workforce Diversity Plan	15 Points

7.10 Technical & Price Proposals, (Optional) Reference Checks (60 Points).

7.10.1 Technical/Price Proposals

Finalists shall be required to submit Technical and Pricing Proposals that meet the Project Criteria requirements for the Work. All currently available Project Criteria will be provided to the finalists in order to help prepare these documents. Additional information and schedule to be determined following short-listing.

7.10.2 (OPTIONAL) Reference Checks (10 Points).

Reference Checks *may* be required of the finalists with information on that option to be determined following preliminary scoring.

OSU *may* check with these references or other references associated with past work of your firm.

7.11 Equity Contracting. OSU will require the successful Proposer to comply with OSU Standards, policies, rules and procedures requiring good faith efforts in subcontracting with minority, women, emerging small business or service-disabled veteran owned business enterprises.

7.12 Negotiations.

7.12.1 OSU may commence General and/or Best and Final Offer (BAFO) Negotiations in accordance with OSU Standards ([Procurement Thresholds and Methods, Procurement Solicitations and Contracts](#)) following final scoring under either a one or two-step process.

7.12.2 Any/all exceptions to the Term and Conditions included in the Sample Contract/Agreement shall be clearly identified and appended to the Proposal in order to be considered by OSU during the negotiation period.

7.12.3 OSU reserves the right to deny contract term negotiations with the Apparent Successful Proposer if such contract terms were not received by OSU in the Solicitation response pursuant to Section **7.12.2** above.

7.12.4 OSU reserves the right to defer decision(s) on requests for contract terms and conditions revisions until after a notice of intent to award is published.

7.12.5 If OSU and the Apparent Successful Proposer are unable to reach agreement on contract terms and conditions, OSU may cease negotiations with the Apparent Successful Proposer and enter negotiations with the next highest scoring Proposer, etc.

8.0 MISCELLANEOUS**8.1 Financial Responsibility.**

8.1.1 OSU reserves the right to investigate, at any time prior to execution of the contract, the Proposers financial responsibility to perform the anticipated services. Submission of a Proposal will constitute approval for OSU to obtain any credit report information OSU deems necessary to conduct the evaluation. OSU will notify Proposers, in writing, of any other documentation required, which may include, but need not be limited to: recent profit-and-loss history; current balance statements; assets-to-liabilities ratio, including number and amount of secured versus unsecured creditor claims; availability of short and long-term financing; bonding capacity and credit information. Failure to promptly provide this information may result in rejection of the Proposal.

8.1.2 OSU may postpone the selection of finalists or execution of a contract in order to complete its investigation and evaluation. Failure of a firm to demonstrate financial

responsibility may render it non-responsible and constitute grounds for Proposal rejection.

8.2 Project Termination.

8.2.1 OSU reserves the right to terminate the Project or contract during any phase in the Project.

8.2.2 Should the Agreement be terminated prior to the first Lump Sum/GMP Amendment, OSU reserves the right to obtain services from any other source available to it under the relevant contracting laws and OSU Standards and policies, including negotiating with the next highest scoring Proposer(s).

8.3 Insurance Provisions. During the term of the resulting contract, the awardee will be required to maintain in full force, at its own expense, from insurance companies authorized to transact the business of insurance in the state of Oregon, each insurance coverage/policy as set forth in the contract.

8.4 Nondiscrimination. By submission of a Proposal, the Proposer certifies under penalty of perjury that the Proposer will not discriminate against minority, women, emerging small business or service-disabled veteran owned business enterprises in obtaining any required subcontracts.

8.5 AA/EEO Employer. OSU is an AA/EEO employer.

8.6 Compliance with Applicable Law. Proposer agrees to comply with all federal, state, county, and local laws, ordinances, and regulations as well as all applicable OSU Standards and Policies while on campus.

8.6.1 Smoke and Tobacco Free Campus. Owner's grounds and premises are smoke and tobacco free. Contractor and Contractor's employees, agents, Subcontractors, if any, agree not to smoke or use tobacco products while on Owner property.

8.6.2 Sexual Misconduct Policy. OSU has policies that prohibit sexual misconduct against members of the university community and in keeping with those policies Contractor and Contractor's employees, agents, and Subcontractors are prohibited from engaging in sexual misconduct against members of the university community.

8.6.3 Firearms Policy. The Owner has adopted a policy that prohibits Contractor and Contractor's employees, agents and Subcontractors from possessing firearms on Owner's property.

8.8 Execution of Agreement.

8.8.1 The Proposer shall be required to execute the Contract as provided, within any time period provided in an award notification. The Contract Documents shall be delivered to OSU in the manner stated in an award notification.

8.8.2 Work/Services Commencement. Work/Services shall not commence until execution of a Contract and subsequent issuance of a notice to proceed letter with the selected Proposer.

9.0 EXHIBITS

Exhibit 1 – Supplemental Information (AVAILABLE at:

<https://oregonstate.box.com/s/6ase1oiwb5ufugr7kfefb8gtevauj35x>)

Exhibit 2 – Sample Design-Build Agreement

END OF RFP

EXHIBIT 1

Supplemental Information (AVAILABLE at:

<https://oregonstate.box.com/s/6ase1oiwb5ufugr7kfefb8gtevaij35x>)

EXHIBIT 2

DESIGN-BUILD

AGREEMENT

between

Oregon State University (OSU)

(Owner)

and

(Design-Builder)

Dated _____, 20__

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DESIGN-BUILD AGREEMENT

THIS DESIGN-BUILD AGREEMENT (this “Agreement”) is made this ____ day of _____, 20__ (the “Effective Date”), by and between Oregon State University (OSU), a public university (the “Owner”), and _____, a[n] _____ (the “Design-Builder”) (collectively, the “Parties”). Owner and Design-Builder agree as follows:

ARTICLE 1

DEFINITIONS AND GENERAL PROVISIONS

1.1 Definitions. The following terms have the meanings set forth below:

“Alternate” shall mean a scope of work that Design-Builder shall include in applicable budgets and estimates, such that Owner may, at its option and in its sole discretion, approve or disapprove the same as an additional component of the Work.

“Alternate Schedule” shall mean Design-Builder’s separate and identifiable pricing and scheduling information for all Alternates of a Deliverable Portion of Work, including in the applicable Pricing Amendment Documents, for possible addition to the Work.

“BIM” shall mean building information modeling, a design and construction modeling process, that shall be implemented during design and construction of the Project.

“BIM Model” shall mean the digital model or models produced during the design and construction of the Project.

“Bridging Documents” shall mean the Owner’s design documents illustrating and identifying the framework of a Deliverable Portion of Work’s design, including functional, aesthetic, and quality requirements.

“Business Inclusion and Diversity Program” shall have the meaning given in the General Conditions.

“Claim” shall have the meaning given in the General Conditions.

“Construction Contingency” shall mean separately identifiable contingency funds included in a Pricing Amendment as set forth in *Section 7.4* of this Agreement.

“Construction Documents” shall mean the documents Design-Builder and its consultants prepare for use when performing construction of a Deliverable Portion of Work, or the Project, as the context requires.

“Construction Phase” shall mean the phase of a Deliverable Portion of Work after Owner and Design-Builder enter into a Pricing Amendment for that Deliverable Portion of Work.

“Construction Schedule” shall have the meaning given in the General Conditions.

“Constructor’s Standard of Care” shall mean the professional standard that prevails in comparable areas throughout the United States among construction professionals and construction firms experienced with, and performing the construction and management of, projects similar to the scope, quality, and complexity of the Project.

“Contract Documents” shall have the meaning given in the General Conditions.

“Day” shall have the meaning given in the General Conditions.

“Deliverable Portion of Work” shall have the meaning given in the General Conditions.

“Design Phase” shall mean the phase of a Deliverable Portion of Work prior to Owner and Design-Builder entering into a Pricing Amendment for that Deliverable Portion of Work.

“Design Professional” shall mean [N/A] or other professional organization that Design-Builder engages to perform Services, acting in accordance with ORS Chapter 671 (Architects) or ORS Chapter 672 (Engineers) and administrative rules adopted pursuant to the same.

“Design Professional’s Standard of Care” shall mean the professional standard that prevails in comparable areas throughout the United States among design professionals and design professional firms experienced with, and performing the design and administration of, projects similar to the scope, quality, and complexity of the Project.

“Design Schedule” shall mean Design-Builder’s comprehensive, detailed, updated, schedule for delivery of the Services of a Deliverable Portion of Work that is consistent with the Project Schedule, and approved by Owner in writing.

“Early Work” shall mean Work, including preparatory activities and long lead time materials, Design-Builder shall perform under an Early Work Amendment (defined below) prior to a Pricing Amendment that includes such Work.

“Early Work Amendment” shall mean Owner’s written order describing and authorizing Design-Builder to proceed with certain Early Work in a form substantially similar to attached *Exhibit B*.

“Estimated Pricing Amendment Sum” shall mean Design-Builder’s estimate of the total cost to Owner of a Deliverable Portion of Work.

“Estimated Project Sum” shall mean Design-Builder’s preliminary estimate of the total amount Owner will pay for the Project, generated in accordance with *Section 5.2*.

“Final Completion” shall have the meaning given in the General Conditions.

“General Conditions” shall mean the General Conditions of the Contract for Construction attached as *Exhibit A*.

“Guaranteed Substantial Completion Date” shall mean the date, as set forth in the applicable Pricing Amendment, by which Design-Builder shall achieve Substantial Completion of the applicable Deliverable Portion of Work.

“Instruments of Service” shall mean the Drawings, Specifications, and other documents and information expressing the Project, whether in form, function, concept, or otherwise, produced by Design-Builder or its Subcontractors.

“Key Personnel” shall have the meaning given in *Section 4.5* of this Agreement.

“Liquidated Damages” shall have the meaning given in *Section 8.3* of this Agreement.

“Notice to Proceed” shall have the meaning given in the General Conditions.

“Owner Parties” shall mean, individually or collectively, as the case may be, Owner and Owner’s Representative (if identified by Owner) provided, however, Owner shall have the exclusive right to change at any time such parties so designated as Owner Parties.

“Owner-Supplied Equipment and Materials” shall mean equipment and materials Owner procures and supplies for Design-Builder’s incorporation in the Project as part of the Work.

“Owner’s Representative” shall mean the firm designated by Owner, to whom Owner has delegated some or all of Owner’s Project duties and responsibilities.

“Preliminary Services Sum” shall mean the lump sum amount payable by Owner to Design-Builder for Services rendered before Owner agrees to a Pricing Amendment applicable to those Services.

“Pricing Amendment” shall mean an amendment to this Agreement, signed by Owner and Design-Builder, determined in accordance with *Article 5*, issued in the form of *Exhibit C*, establishing the Pricing Amendment Sum, compensation method, Guaranteed Substantial Completion Date as updated and set forth in the Project Schedule, and Pricing Amendment Documents, for each Deliverable Portion of Work.

“Pricing Amendment Documents” shall mean the Drawings, Specifications, clarifications, qualifications, assumptions, and other documents, upon which a Pricing Amendment is based, all as approved by Owner.

“Pricing Amendment Sum” shall mean the maximum amount payable by Owner to Design-Builder for a Deliverable Portion of Work.

“Project Criteria” shall mean Owner’s preliminary Project information, which may include preliminary designs, design requirements, programming information, physical characteristic requirements, sustainable objectives, siting requirements, geotechnical reports or data, preliminary budget, scheduling information and milestone dates, or other requirements and information, all as set forth in *Exhibit D*, as the same may be supplemented from time to time, subject to the Project Schedule.

“Reimbursable Expenses” shall mean Design-Builder’s consultants’ (including Design Professional) travel and subsistence expenses, communication services, approval fees of authorities having jurisdiction over the Services, document production fees, postage and shipping fees, Site office expenses, and other similar Owner-approved Project-related expenses.

“Services” shall mean the design services Contractor furnishes to fulfill its Project obligations and execute the terms of the Contract Documents.

“Standard of Care” shall mean Design Professional’s Standard of Care, or Constructor’s Standard of Care, as the context requires.

“Supporting Documents” shall have the meaning given in the General Conditions.

“Work” shall have the meaning given in the General Conditions.

1.2 Other Terms. In addition to the terms defined in this *Article 1*, other terms are defined throughout this Agreement in sections relevant to their use, and in the General Conditions. If terms are not defined in this Agreement or the General Conditions, they shall have their well-known technical or construction industry meanings.

1.3 Context. As the context of each provision of this Agreement changes, so too shall its verbs and nouns. Specifically, terms in the singular and the plural shall include one another, and terms in the feminine, masculine, or neuter, shall include one another. Use of the word “including” throughout this Agreement shall mean “including without limitation” and shall not be deemed a limitation but instead an illustration.

1.4 Incorporation by Reference. All exhibits, schedules, and other attachments to this Agreement, including the General Conditions, shall be incorporated in and integral to this Agreement by their reference.

1.5 General Conditions. Design-Builder is referred to in the General Conditions as “Contractor.”

ARTICLE 2

RELATIONSHIP OF THE PARTIES

2.1 Relationship of the Parties. Design-Builder acknowledges and accepts that by the terms of the Contract Documents, Owner places its trust and confidence in Design-Builder. As such, Design-Builder covenants to: (i) cooperate with Owner Parties; (ii) exercise its best skill and judgment in

furthering Owner's interests for the benefit of the Project, including delivering efficient design, construction, administration, management, and supervision; (iii) furnish at all times an adequate supply of labor and Materials; and (iv) perform the Work in conformance with the Contract Documents and in an expeditious and economical manner.

2.2 Open Communication. Design-Builder shall regularly communicate with Owner Parties for the duration of the Project.

2.3 RESERVED

2.4 RESERVED

ARTICLE 3

OWNER'S RIGHTS AND RESPONSIBILITIES

3.1 Timely Response. Owner Parties shall render decisions in a timely manner to avoid unreasonable delay in the orderly progress of the Work; provided, however, Design-Builder shall timely advise Owner Parties of the time requirements pertaining to such decisions.

3.2 Owner's Personnel.

3.2.1 Project Consultants. Owner has separate agreements with Owner's Representative and Owner's other Project consultants, and although referred to in, are not parties to, this Agreement. Owner reserves the right to change Owner's Representative and will give Design-Builder prompt written notice of any such change. None of Owner's Representative's services supplant or modify any of Design-Builder's obligations, whether express, implied, or customary.

3.2.2 Communications. Owner's Representative shall give Design-Builder written direction on behalf of Owner. Unless specifically authorized, Design-Builder shall communicate with Owner, through Owner's Representative. All communications to and from Subcontractors and Suppliers shall be through Design-Builder.

3.2.3 Control. Owner Parties shall not be deemed to have control or charge of, and will not be responsible for acts or omissions of, Design-Builder, Subcontractors, or their respective agents or employees, or any other Persons performing Work.

ARTICLE 4

DESIGN-BUILDER'S RIGHTS AND RESPONSIBILITIES

4.1 Standard of Care. Design-Builder covenants it and its Subcontractors will perform the Work in accordance with the recognized standards of design and construction industry practices. Design-Builder further covenants the Services will be performed in accordance with Design Professional's Standard of Care and Work other than the Services will be performed in accordance with Constructor's Standard of Care.

4.2 Design-Builder's Role Generally. Design-Builder shall fully, properly, and timely, perform all Work, as required by the Contract Documents, to furnish Owner with a first-class, complete, fully-functional Project, capable of being used for its intended purpose. Throughout the Project, Design-Builder shall coordinate and manage the design and building process as an independent contractor, continuously monitor the schedules and budgets pertaining to the Work, and recommend adjustments to the Project as necessary to ensure completion of the Project in the most expeditious and efficient manner possible. During the Construction phase, Design-Builder shall be the Project's general contractor.

4.3 Cooperation. Design-Builder covenants to support a collaborative and cooperative relationship among it, Owner, Owner's Representative, Design Professional, other Project participants,

and others Owner may engage to perform services or work not included in the Work. Design-Builder shall obtain and transfer, or assist others to obtain and transfer, warranties, and to perform warranty and inspection Work for the Project through the expiration date of the applicable warranty period.

4.4 Progress Reports. Design-Builder shall keep Owner Parties informed of the progress of the Work. Design-Builder shall submit to Owner Parties monthly Progress Reports, which shall include: (i) Work completed for the reporting period; (ii) an updated Project Schedule, Design Schedule and Construction Schedule, as applicable; (iii) an updated Submittal log including a summary of outstanding Submittals; (iv) pending and approved changes under *Article 10* of the General Conditions; (v) test and inspection reports; and (vi) current total Reimbursable Expenses.

4.5 Design-Builder's Personnel and Consultants.

4.5.1 Design-Builder's personnel shall include those described in Design-Builder's staff chart in attached *Exhibit E* (the "Key Personnel"). Design-Builder shall submit to Owner Parties for approval within fifteen (15) Days of the Effective Date a list of the Key Personnel, which shall include the background, experience, and qualifications, of each of the Key Personnel. Following Owner Parties' approval, Design-Builder shall use best efforts to keep the Key Personnel assigned to the Project and performing in accordance with Owner's expectations and shall not assign to the Project any other senior personnel without Owner Parties' prior written approval.

4.5.2 Design-Builder shall promptly replace any personnel assigned to the Work upon Owner Parties' reasonable objection to such personnel.

4.5.3 In addition to the staff chart referenced above, Design-Builder shall include in *Exhibit E* its individual scheduled payment rates for all Key Personnel and Project personnel. Such rates shall include the pro rata portion of the cost of (a) mandatory and customary contributions and benefits pursuant to Design-Builder's company-wide policy and (b) applicable collective bargaining agreements.

4.5.4 In the event Design-Builder no longer employs any of the Key Personnel, Design-Builder shall promptly notify Owner Parties and shall use best efforts to provide a permanent replacement suitable to Owner Parties within ten (10) Days after such event.

4.5.5 Design-Builder represents that all persons under its direction performing Work who are required by Applicable Laws to be licensed are so licensed and will remain licensed for the duration of the Agreement.

4.6 Governmental Approvals. Design-Builder and Subcontractors shall secure and assist Owner to secure all Governmental Approvals.

4.7 Service Plan.

4.7.1 Submittal. Design-Builder shall submit to Owner Parties for review, within fifteen (15) Days of the Effective Date, its Project service plan. The service plan shall clearly communicate to Owner Parties Design-Builder's Project management plan including Project staffing and a Work Plan, all as set forth below.

4.7.2 Forms and Procedures. Owner Parties may develop forms and procedures for the administration and tracking of the Work and the Contract Documents. Design-Builder agrees it shall incorporate into its service plan all such forms and procedures as Owner Parties may require.

4.7.3 Project Staffing. Design-Builder shall include in its service plan a detailed staffing plan describing Design-Builder's and its consultants' services, including those of the Key Personnel. The staffing plan shall include, at a minimum, (i) the names of all individuals assigned to each Project phase; (ii) a brief description of such individuals' Project roles and responsibilities; and (iii) anticipated percentage of working time such individuals will expend performing Work for each Project phase.

4.7.4 Work Plan. Design-Builder shall include in its service plan and shall implement throughout the Project an updated and comprehensive work plan defining and describing Design-Builder's (and its Subcontractors' and consultants') deliverables and tasks throughout the design and construction process for each Deliverable Portion of Work, as well as procedures, schedules, documentation, and quality control plans (collectively, the "Work Plan"). The Work Plan shall also include Design-Builder's points of contact, file type and data transfer methods, and other protocols for everyday communications and document processing during preconstruction, construction, and post-construction.

4.8 Owner-Supplied Goods.

4.8.1 Design-Builder acknowledges Owner may supply the Project certain Owner-Supplied Equipment and Materials. Design-Builder shall cooperate with Owner Parties and shall provide information and assistance as Owner Parties may reasonably request to investigate such Owner-Supplied Equipment and Materials. Design-Builder's assistance may include providing quotes or Alternates such that Owner Parties may understand the cost of potential Owner-Supplied Equipment and Materials versus the cost of those same goods supplied through Design-Builder.

4.8.2 If Owner elects to procure Owner-Supplied Equipment and Materials for the Project, Owner Parties, together with Design-Builder, will develop an agreed upon responsibility matrix for the same. However, unless Owner and Design-Builder otherwise agree in writing, the Work shall include coordination, handling, inspecting, preparing, installing, commissioning, and testing such Owner-Supplied Equipment and Materials.

4.8.3 Owner and Design-Builder agree they will sign amendments and other documentation necessary to memorialize their agreement to matters related to the Owner-Supplied Equipment and Materials.

4.9 Building Information Modeling.

4.9.1 Protocols. If requested by Owner, Design-Builder shall employ BIM to design, engineer, and construct, the Project.

.1 Owner Parties and Design-Builder shall meet to establish written protocols governing the BIM Model (the "BIM Protocols") including file formats, levels of development, authorized uses, and development and safekeeping responsibilities, governing all parties developing the Project's BIM Models. When completed, the BIM Protocols shall govern all parties' development of the Project's BIM Models.

.2 Design-Builder shall be responsible for management, development, and hosting of its BIM Model, its Subcontractors' BIM Models, and the Project's integrated BIM Model. Design-Builder shall have ultimate responsibility to perform clash detection among all BIM Models during the Design Phase and through Final Completion of the Project.

.3 Among Design-Builder's As-Built Documents due prior to Final Completion of each Deliverable Portion of Work, Design-Builder shall deliver to Owner an as-built BIM Model, built from its construction BIM Model, suitable for Owner's continued use during the lifecycle of that completed Work.

4.9.2 Ownership of BIM Models. Owner shall own at all times all of the Project's BIM Models. All parties modeling or otherwise submitting Project-specific data for modeling hereby transfer and convey to Owner all right, title, and interest, in and to, all such data and modeling and to the BIM Models.

4.10 LEED Standards. If requested by Owner, Design-Builder agrees to use best efforts, including providing all reasonable documentation, to aid Owner Parties in causing the applicable Work to

incorporate, within the applicable Pricing Amendment Sum, elements and criteria necessary to qualify for U.S. Green Building Council Leadership in Energy and Environmental Design (LEED) certification points required to achieve Owner's selected LEED certification standard identified in the Project Criteria (the "LEED Certification Standard"). Design-Builder acknowledges the LEED Certification Standard might include waste and air quality management practices that will directly affect Design-Builder's Site operations.

4.11 Other Obligations. Design-Builder shall perform all other obligations and provide all other services (a) set forth in the Contract Documents and (b) necessary to fully and properly complete the Work.

4.12 Limitation of Authority. Design-Builder shall have no authority to bind Owner without Owner's prior written approval. Design-Builder shall have authority to act on Owner's behalf only to the extent provided in the Contract Documents.

ARTICLE 5

DESIGN PHASE SERVICES

5.1 Design Phase Services. During the Design Phase, Design-Builder shall provide Services, as set forth in this Agreement, including this *Article 5*, and as Owner Parties may reasonably request.

5.2 Project Planning. Design-Builder shall jointly with Owner Parties schedule and attend regular meetings to consult, advise, and solicit feedback from Owner Parties on all aspects of the planning and design of the Project. Design-Builder shall review and comment on Owner's Project Criteria, each in terms of the other. Design-Builder shall assist Owner to refine its proposed budgets, including by generating and delivering to Owner Parties its Estimated Project Sum, utilizing the Project Criteria, and estimating techniques appropriate to the Project's stage of development, and shall refine the Estimated Project Sum based on changes during the Project.

Design-Builder shall schedule and conduct **weekly** meetings with Owner Parties to review development of the Services, Drawings, Specifications, and the Project in general, including procedures, progress, coordination, and scheduling.

5.3 Project Criteria.

5.3.1 Design-Builder shall meet with Owner Parties to discuss its preliminary evaluation of the Project Criteria (the "Preliminary Evaluation Meeting") during which Design-Builder shall address (a) possible alternative approaches to design and construction of the Project and recommend when appropriate accelerated or fast-track scheduling, procurement, or phased construction and (b) cost information, constructability, and procurement and Project scheduling issues.

5.3.2 Within ten (10) Days of the Preliminary Evaluation Meeting, Design-Builder shall report in writing to Owner Parties with a summary of its understanding and a plan for implementation of the Project Criteria (the "Preliminary Design Report"), including: (i) a preliminary Estimated Project Sum and recommendations for meeting or adjusting the Project Criteria to conform to the Owner's budget; (ii) preliminary Design Schedules, including proposed design milestones; (iii) dates by which information and decisions from Owner are required; (iv) an anticipated date of delivery to Owner Parties of each Pricing Amendment; and (v) dates of periodic design review sessions with Owner Parties; **and (vi) programming analysis and diagrams, allocating and detailing program functions' spatial requirements;**

5.3.3 Owner Parties shall review the Preliminary Design Report and either approve in writing of, or comment on, the same. Design-Builder shall revise the Preliminary Design Report in accordance with Owner Parties' comments until Owner approves in writing the Preliminary Design Report (the "Preliminary Report Approval"). Upon issuance of the Preliminary Report Approval, Design-

Builder shall proceed with the Design Phase in accordance with the Design Schedules; provided, however, the Preliminary Report Approval shall not be deemed to modify the Project Criteria unless Owner and Design-Builder formally enter into a change in accordance with *Article 10* of the General Conditions.

5.3.4 Design-Builder shall confirm that the Project Criteria complies with Applicable Laws and lawful orders of Governmental Authorities. In the event the Project Criteria conflicts with Applicable Laws or lawful orders of Governmental Authorities, Design-Builder shall notify Owner of the same. If Design-Builder determines that Owner Parties' instructions would cause a violation of Applicable Laws or lawful orders of Governmental Authorities, Design-Builder shall promptly notify Owner Parties in writing.

5.3.5 After Owner issues the Project Criteria, if there is a change to the Project Criteria that is other than a minor change as set forth in *Section 10.3* of the General Conditions, Owner and the Design-Builder shall enter into a Change Order in accordance with *Section 10.3.2* of the General Conditions.

5.4 Project Scheduling.

5.4.1 Preliminary Scheduling. Throughout each Design Phase, Design-Builder shall continue to refine and update the applicable Design Schedule as necessary to respond to changes to the Work.

5.4.2 Project Schedule. Design-Builder shall prepare in conjunction with Owner Parties, and periodically update, a preliminary Project Schedule. Design-Builder shall include the necessary activities and timelines to support the Work of which Design-Builder is aware or believes to be necessary, including off-site transportation, site work outside of the scope of the Work, and off-site utility extensions. Design-Builder and Owner Parties shall each furnish the other with proposed revisions to the preliminary Project Schedule and Design-Builder shall edit and revise the same until Owner approves.

.1 Design-Builder shall be responsible for updating the Project Schedule throughout the duration of the Project.

.2 Design-Builder shall also propose to Owner Parties, and evaluate as requested, alternative schedules for delivery of the Project. Design-Builder shall estimate and inform Owner Parties of affects such alternative schedules may have on the Estimated Project Sum.

5.4.3 Special Procurement Issues. If required by Owner, Design-Builder shall investigate and recommend to Owner a schedule for the purchase of Materials and equipment requiring advance procurement (e.g., due to long lead times). Design-Builder shall also work with Owner Parties to identify critical elements of the Work that may require special procurement.

5.5 Project Phasing. Each Deliverable Portion of Work includes a Design Phase and a Construction Phase. Design-Builder shall recommend to Owner Parties Project phasing and Work prioritization based on the labor and material markets, project logistics, and such other important factors including time of performance, overlapping trade jurisdictions, weather conditions, and provisions for temporary facilities for the Work.

In the event Owner chooses to proceed with the Project or the Work in phases, Design-Builder shall cooperate to economically and efficiently divide the Work into separate Deliverable Portions of Work to accommodate such phases.

5.6 Construction Schedules. Design-Builder shall prepare and update Construction Schedules in accordance with *Section 5.13* below.

5.7 Cost and Constructability. During the Design Phase, Design-Builder shall work with Owner Parties to regularly estimate costs and analyze constructability of all major components and systems of the Work such that the design and budget can timely develop together.

Upon the dates set forth in the Project Schedule and in accordance with the development of the Services, Design-Builder shall submit to Owner Parties its final updated Estimated Project Sum.

5.8 Cost Estimates. Design-Builder shall use the final Estimated Project Sum to prepare for Owner Parties a detailed Project budget, including an Estimated Pricing Amendment Sum for each Deliverable Portion of Work, in accordance with this Agreement, and on the dates set forth in the Project Schedule. Design-Builder shall update its Project budget and Estimated Pricing Amendment Sums, using recognized and accepted industry techniques. In the event the Project's cost estimates, including the Estimated Pricing Amendment Sums, when taken together, exceed the Estimated Project Sum, Design-Builder shall meet with Owner Parties to discuss changes and review alternatives necessary to maintain a mutually acceptable Project budget.

If required by Owner, Design-Builder shall estimate the costs of alternative designs or Materials to determine preliminary budgets and their possible economies, including those necessitated by special procurement issues, as set forth in *Section 5.4.3* above.

5.9 Design Documents.

5.9.1 Facilitation of Services. Prior to entering into a Pricing Amendment for a Deliverable Portion of Work, information Design-Builder submits to Owner Parties and Owner's decisions, shall be to facilitate the Services and shall not be deemed to modify the Project Criteria unless Owner and Design-Builder enter into a change in accordance with *Article 10* of the General Conditions.

5.9.2 Design. During the Design Phase, Design-Builder shall advise Owner on proposed Site use and improvements, selection of materials, building systems and equipment, and other pertinent design-related considerations.

5.9.3 Certification. Upon Owner Parties' request, Design-Builder shall furnish Owner Parties with individual certifications from Design Professional and Design-Builder's consultants stating (a) to the best of their knowledge, information and belief, the Drawings, Specifications, or Services to which the certifications relate are (i) consistent with the Contract Documents, except to the extent specifically identified in the certificate, and (ii) comply with Applicable Laws and lawful orders of Governmental Authorities and (b) Owner Parties shall be entitled to rely upon the certification.

5.10 Design Phase Deliverables.

5.10.1 In accordance with the Project Schedule, for each Deliverable Portion of Work, Design-Builder shall prepare and submit to Owner Parties its initial design, including a report identifying any deviations from the Project Criteria, and: (i) a Site plan; (ii) the applicable schematic design; and (iii) updated budgets and pricing estimates (collectively, the "Preliminary Design Deliverable").

5.10.2 Owner Parties shall review the Preliminary Design Deliverable and either approve in writing of, or comment on, the same. Design-Builder shall revise the Preliminary Design Deliverable in accordance with Owner Parties' comments until Owner approves the same in writing. The Preliminary Design Deliverable shall not be deemed to modify the Project Criteria unless Owner and Design-Builder enter into a change in accordance with *Article 10* of the General Conditions.

5.10.3 Upon Owner's approval of the Preliminary Design Deliverable, Design-Builder shall prepare and submit to Owner Parties its final design, including: (i) a report identifying any deviations from the Project Criteria; (ii) developed Drawings and Specifications; and (iii) updated budgets (collectively, the "Final Design Deliverable").

5.10.4 Owner Parties shall review the Final Design Deliverable and either approve in writing of, or comment on, the same. Design-Builder shall revise the Final Design Deliverable in

accordance with Owner Parties' comments until Owner approves the same in writing. The Final Design Deliverable shall not be deemed to modify the Project Criteria unless Owner and Design-Builder enter into a change in accordance with *Article 10* of the General Conditions.

5.11 Pricing Amendment. If Owner approves a Final Design Deliverable in accordance with *Section 5.10* above, Design-Builder shall prepare Pricing Amendment Documents, which shall include Work that shall be priced, scheduled, and included in the Contract Documents, as an Alternate, and Work that shall be priced, scheduled, and included in the Contract Documents, as an Allowance. The Alternate Schedule shall include the required start dates for each Alternate, and the sequencing priority of implementing each Alternate.

5.11.1 By including an Allowance in Pricing Amendment Documents, Design-Builder represents and warrants it is a reasonable estimate of the costs of the Work of such Allowance, based on Design-Builder's best skill and judgment, based on the other Pricing Amendment Documents that are sufficiently detailed to make such an estimate. Each Alternate's and Allowance's pricing shall remain valid from the date the applicable Pricing Amendment is fully-signed through the date of Final Completion of the applicable Deliverable Portion of Work containing each such Alternate or Allowance unless, in the case of an Allowance, Design-Builder develops a final price for that portion of the Work included in such Allowance, in which case that final price shall remain valid through the date of Final Completion of the applicable Deliverable Portion of Work.

5.11.2 In accordance with the Project Schedule and based upon the approved Final Design Deliverable and the Estimated Pricing Amendment Sum, Design-Builder shall deliver to Owner Parties for review, comment, and approval its proposed Pricing Amendment, supporting Pricing Amendment Documents, and its Work plan, for the applicable Deliverable Portion of Work.

5.11.3 Upon Owner's approval and the Parties' signatures, a proposed Pricing Amendment shall amend this Agreement, and shall be revised only by Change Order.

5.11.4 Notwithstanding anything to the contrary contained in the Contract Documents, Owner shall not be required to enter into any Pricing Amendment and, unless and until the Parties enter into a Pricing Amendment, Design-Builder's rights, including to payment, under the Contract Documents, shall be limited to only its completed Work, including completed Early Work set forth in an Early Work Amendment.

5.12 Early Work Amendment. Notwithstanding an Early Work Amendment, any Early Work Design-Builder may perform or be authorized to perform shall not waive Owner's right to reject the Pricing Proposal.

5.13 Construction Schedules. Design-Builder shall incorporate the relevant portions of the Project Schedule, into its Construction Schedules. After Owner approves a Pricing Amendment, Design-Builder shall update and distribute with the Progress Report its approved Construction Schedule for that Work. Each such updated Construction Schedule shall conform to the Contract Documents' requirements and shall accurately reflect progress and remaining estimated durations of applicable Work.

5.14 Construction Documents. After Owner and Design-Builder enter into a Pricing Amendment, Design-Builder shall prepare the Construction Documents it will use to construct the Deliverable Portion of Work associated with that Pricing Amendment, which shall be consistent with, and lend further detail to, the Final Design Deliverable.

All pages of Construction Documents, specifically, all specifications and all drawings shall contain the following statement:

"Notice of Extended Payment Provision

The Contract will allow Owner to make:

1. Progress payments no later than 30 days after the date receipt of an approved Application for Payment
2. Final payment of all remaining amounts no later than 30 days after the date the Owner approved all Work“

Upon completion of the Construction Documents, Design-Builder shall provide the same to Owner Parties for review. If Owner Parties discover deviations from the Final Design Deliverable or other inconsistencies among the Construction Documents and the Contract Documents, Owner shall notify Design-Builder in writing of the same. The Construction Documents shall not modify the Project Criteria or the other Contract Documents unless Owner and Design-Builder enter into a change in accordance with *Article 10* of the General Conditions. Owner Parties' failure to discover any such deviations shall not relieve Design-Builder of its obligation to perform the Work in accordance with the Contract Documents.

5.15 Energy Analysis. Design-Builder shall cooperate with Owner Parties and maximize energy efficiency in the Project by proposing, supporting, and estimating costs associated with energy related incentive programs with every construction cost estimate and as Owner Parties may request.

5.16 RESERVED

5.17 Other Preparation for Construction. Design-Builder shall plan, in writing and through drawings as appropriate, the Project's Site coordination, including staging and storage areas, and rules applicable to Site operations.

5.17.1 Design-Builder shall recommend a schedule for and, if Owner requests, aid in delivery of, Owner-Supplied Equipment and Materials, including those items requiring special procurement, as set forth in *Section 5.4.3* above.

5.17.2 Design-Builder shall confirm all Construction Documents: (a) coordinate separate Subcontractors' Work, (b) are assigned to the appropriate trade, (c) minimize the likelihood of jurisdictional disputes, and (d) allow for phased construction if and when applicable.

5.17.3 Unless Owner Parties otherwise direct or the Contract Documents otherwise require, Design-Builder shall obtain all permits, licenses, and approvals for the Work, including building, Site development, shoring and excavation, and utilities, as required by Governmental Authorities and customarily obtained by construction contractors.

5.17.4 The Construction Phase of a Deliverable Portion of Work shall not commence prior to a Pricing Amendment for that Work unless and only to the extent set forth in an Early Work Amendment.

ARTICLE 6

CONSTRUCTION PHASE SERVICES

6.1 General Subcontracting Requirements. For purposes of this *Article 6* the term "Subcontractor" shall include the term "Supplier."

Design-Builder shall assure that the Work under all Subcontracts, when taken together, will be complete and sufficient for the entire construction of the Project as required by the Contract Documents.

Design-Builder's Subcontracting records are not intended to be considered public records; provided, however, that Owner and other agencies of the State shall retain the right to audit and monitor the Subcontracting process to protect Owner's interests.

Design-Builder's use of Subcontractors shall not relieve Design-Builder of any of its obligations or liabilities under the Contract Documents. Design-Builder shall have sole responsibility for managing, coordinating, and settling disputes involving any Subcontractor.

6.2 Subcontractor Interest. If required by Owner, Design-Builder shall develop Subcontractor interest in the Project and shall furnish Owner Parties with a list of possible Subcontractors for each principal portion of the Work (the “Potential Subcontractor List”). Design-Builder’s submission of the Potential Subcontractor List is for information and discussion only and is not for Owner Parties’ prequalification. Owner’s receipt of the Potential Subcontractor List shall not require Owner Parties to investigate, and shall not waive Owner Parties’ right to reject, the qualifications of any Subcontractors.

6.2.1 Design-Builder shall furnish Owner Parties with information and advice concerning current construction market bidding conditions and shall advise Owner Parties of subcontracting opportunities with certified diverse businesses.

6.2.2 Within fourteen (14) Days of Owner and Design-Builder entering into a Pricing Amendment, Design-Builder shall furnish Owner Parties with a written list of proposed Subcontractors for each principal portion of the applicable Work. Owner Parties will reply within seven (7) Days to the Design-Builder in writing if Owner has reasonable objection to any such proposed Subcontractor.

6.2.3 Design-Builder shall comply with OSU Business Inclusion and Diversity Program as set forth in OSU Standard 03-010 and OSU Procurement and Contract Services Manual Section 316.

6.2.4 Design-Builder shall, and require Subcontractors to, comply with State of Oregon Bureau of Labor & Industries prevailing wage rates.

6.2.5 Design-Builder shall indemnify, defend, and hold harmless, Owner Parties, from and against any Subcontractor claim that arises due to Design-Builder’s failure to incorporate the relevant terms of this *Article 6* and other necessary provisions of the Contract Documents in each Subcontract.

6.3 Early Work. Design-Builder and Owner may enter into one or more Early Work Amendment identifying specific Work that shall be performed prior to a Pricing Amendment that includes such Work, subject to a not-to-exceed budget and price. All Early Work shall be performed and Owner shall pay for the same in accordance with the terms of the Contract Documents and the terms of the applicable Early Work Amendment.

6.3.1 Prior to commencing any Early Work: (i) Design Professional shall have issued Construction Documents for that Early Work; (ii) Governmental Approvals necessary to commence such Early Work shall have been issued; (iii) Design-Builder shall have submitted, for Owner Parties’ review and approval, a Construction Schedule and cost estimate for the Early Work; (iv) Design-Builder shall have selected Subcontractors to perform the Early Work; and (v) Owner Parties shall have issued a Notice to Proceed with the Early Work.

6.3.2 The costs of Early Work shall be included in the applicable Pricing Amendment and Design-Builder’s obligation to develop its Pricing Amendments shall not be deferred or waived by any Early Work Amendment.

6.4 Construction.

6.4.1 Scope of Work. Unless otherwise set forth in the Contract Documents, Design-Builder shall provide and pay for labor, Materials, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services, necessary for proper execution and completion of the Work, whether temporary or permanent, and whether or not incorporated or to be incorporated in the Work.

6.4.2 Substitutions. When a material or system is specified in the Contract Documents, Design-Builder may make substitutions only in accordance with *Article 10* of the General Conditions.

ARTICLE 7

PAYMENT

7.1 Contract Sum. Subject to the terms of the Contract Documents, Owner shall pay Design-Builder the Contract Sum subject to the Preliminary Services Sum and each Pricing Amendment Sum, as the same may be amended from time to time by Change Order. Design-Builder shall bear, without Owner's reimbursement, all costs in excess of (a) the Preliminary Services Sum and (b) each applicable Pricing Amendment Sum.

7.2 Alternates. Owner shall approve each Alternate by Change Order in accordance with *Section 10.3* of the General Conditions. Unless so approved, Design-Builder shall not proceed with an Alternate. If Owner approves one or more Alternates, payment for such approved Alternates shall be included in Design-Builder's applicable Applications for Payment in accordance with *Section 7.5*.

7.3 Allowances.

7.3.1 Design-Builder shall promptly develop and deliver to Owner Parties a final price for each of its Allowances after the Contract Documents pertinent to each such Allowance are completed. If Design-Builder's final price exceeds an Allowance, Owner will elect to: (a) issue a Change Order by an amount to which Owner and Design-Builder agree for the Work of that Allowance, or (b) cause Design-Builder and its consultants to redesign the Work of that Allowance, including Work ancillary to the Work of the Allowance, such that the Allowance price set forth in the applicable Pricing Amendment will not be exceeded.

7.3.2 If Design-Builder's final price is less than an Allowance, Design-Builder and Owner will promptly issue a deductive Change Order to the applicable Pricing Amendment.

7.3.3 In the event some of Design-Builder's final prices exceed, and others are less than, their applicable Allowance prices, Owner may offset such prices to reduce or eliminate the number of Change Orders otherwise necessary due to all of those Allowances.

7.4 Construction Contingency. Each Pricing Amendment shall include a preliminary Construction Contingency in an initial amount to which Owner and Design-Builder agree.

7.4.1 Use of Funds. Subject to Owner Parties' prior written approval, Design-Builder may apply Construction Contingency funds to unexpected increases in costs of the Work, including due to: (i) unforeseen differences in the scope of the Work; (ii) corrective Work due to Defective Work; (iii) errors in estimating; (iv) overtime expenses; (v) other errors or omissions not due to breach of the Contract Documents, and not due to negligence or willful misconduct; and (vi) Subcontractor default if Design-Builder shows it took reasonable steps to cause each such defaulting Subcontractor or Subcontractor's surety to perform its Work; provided, however, requisite or otherwise available insurance would not cover such default.

In no event shall Construction Contingency funds be used to pay Liquidated Damages.

7.5 Progress Payments.

7.5.1 Applications for Payment.

.1 *Design Services.* Design-Builder shall prepare separate Applications for Payment for the Services of each Deliverable Portion of Work executed, in accordance with *Article 6* of the General Conditions, and this *Section 7.5*. Before an applicable Pricing Amendment Sum is established, Owner shall make progress payments for the Work on account of the Preliminary Services Sum and for documented Reimbursable Expenses. After the applicable Pricing Amendment Sum is established, Owner shall

make progress payments on account of that Pricing Amendment Sum as provided in *Article 5* above, including for Reimbursable Expenses.

.2 *Construction Services.* Design-Builder shall prepare separate Applications for Payment for the Work of each Deliverable Portion of Work executed, in accordance with *Article 6* of the General Conditions, and this *Section 7.5*. Owner shall make progress payments on account of the applicable Pricing Amendment Sum as provided below and elsewhere in the Contract Documents.

7.5.2 Required Contents. Design-Builder shall include the following in each Application for Payment and each shall be a condition precedent to Owner's payment:

.1 *Schedule of Values.* An updated Schedule of Values showing all current expenses pertaining to the Work.

.2 *Percent Complete.* The percentage each portion of the applicable Work is completed, as compared to and categorized in the Schedule of Values, as of the end of the period covered by such Application for Payment. The percentage of the Work that is completed in each Application for Payment shall be the percentage of Work that has actually been completed and not rejected for the applicable Deliverable Portion of Work.

.3 *Progress Report.* A current Progress Report, updated Project, Design, and Construction Schedules, if any, for the Deliverable Portion of Work applicable to the Application for Payment, all in accordance with *Section 4.4* and *Article 5* of this Agreement.

.4 *Supporting Documents.* Supporting Documents and any other evidence Owner Parties reasonably require to demonstrate cash payments, all on account of costs of the Work, equal to or exceeding: (i) progress payments Design-Builder has already received; plus (ii) payrolls for the period covered by the present Application for Payment; plus (iii) retainage as set forth in *Section 7.5.4*, if any, applicable to prior progress payments, less back-charges and credits pursuant to Design-Builder's Subcontracts.

Design-Builder shall include among its Supporting Documents a log of small tool acquisitions along with organized copies of receipts of all small tools purchased for the Project. Design-Builder shall also include in such log records of disposition of small tools whose selling price exceeds one hundred dollars (\$100). An up-to-date copy of such log shall accompany each Application for Payment that includes the acquisition or disposition of such small tools.

.5 *Statement of Furnishing.* A sworn statement identifying: (i) the names of all parties furnishing and the goods, labor, or services so furnished to the Project with a value in excess of [twenty-five thousand dollars (\$25,000)] during the time period of the applicable Application for Payment; (ii) payments made to each party furnishing goods, labor, or services; and (iii) amounts due and remaining amounts that are likely to become due to each party furnishing goods, labor, or services.

.6 *Claims Statement.* A statement expressly made to induce Owner's payment, detailing the costs of the Work completed less retainage withheld, along with any Claims pertaining to that Work, sworn to by the Design-Builder and the Subcontractors, attesting to the satisfactory completion of the Work with qualifications pertaining to the Claims.

.7 *Lien and Bond Claim Waivers.* The partial waiver of liens and bond claims, in the form set forth on *Exhibit F*, of Design-Builder and all Subcontractors and

their Sub-subcontractors and Suppliers who are listed in the immediately prior Application for Payment for which Design-Builder has received payment.

.8 *No Change Orders.* Design-Builder's statement certifying there are no Change Order requests or other claims for additional payment outstanding, or, if a Change Order request or claim for additional payment is outstanding, the amount of funds in issue, the name of the potential claimants, and a description of the pertinent Work.

7.5.3 Computation. Subject to other terms of the Contract Documents, progress payments shall be computed as follows:

.1 Take that portion of the applicable cost limitation (i.e., the Preliminary Services Sum or Pricing Amendment Sum) that is properly allocable to completed Work as determined by multiplying the percentage completion of the applicable Work by the share of the cost limitation allocated to that Work in the applicable Schedule of Values. Pending final determination of cost to Owner of changes in the Work, amounts not in dispute may be included.

.2 Add that portion of the applicable cost limitation properly allocable to Materials and equipment delivered, suitably stored, and in compliance with *Section 6.5.3* of the General Conditions.

.3 Subtract the sum of Owner's previous payments made on account of the applicable Work.

.4 Subtract any shortfall indicated in the documentation required by *Section 7.5.2* above to substantiate prior Applications for Payment, or resulting from errors subsequently discovered in such documentation.

.5 Subtract amounts, if any, Owner is entitled to withhold under the Contract Documents.

.6 Subtract retainage in accordance with *Section 7.5.4* below.

7.5.4 Review; Payment; Retainage.

.1 *Submittal.* Each Application for Payment shall cover one calendar month and shall be due on or before the final Day of each month.

On or before the [25th] Day of each month, Design-Builder shall submit to Owner Parties a draft Application for Payment, together with all applicable Supporting Documents. Owner Parties will review and comment on the draft Application for Payment and return the same to Design-Builder with comments and changes, if any, within three (3) Days. On or before the [final] Day of that month, Design-Builder shall submit to Owner Parties its Application for Payment, revised to reflect Owner Parties' comments and changes.

.2 *Payment.* Owner shall pay Design-Builder for the amounts in each approved Application for Payment, delivered pursuant to Owner's invoice delivery requirements, within [thirty (30)] Days of its receipt of the same. Notwithstanding the foregoing, Design-Builder shall not be entitled to payment unless and until its applicable Application for Payment is approved by all of Owner's reviewing parties. In the event Owner fails to make payment within the time required under this *Section 7.5.4*, Design-Builder shall furnish Owner with [ten (10)] Days' advance written notice as a condition precedent to exercising remedies, including those available under the Contract Documents. After receiving a payment, within the legal requirement for prompt payment

or seven (7) Days, whichever is less, Design-Builder shall pay each Subcontractor amounts due and owing.

.3 **Retainage.** Retainage shall be withheld and released in accordance with this *Section* and *Section 6.7* of the General Conditions. Owner shall retain from all payments to Design-Builder five percent (5%) of each such payment as security for the Work, until such time as Owner may release retainage or a approves a retainage substitute in accordance with the Contract Documents.

7.6 Final Payment.

7.6.1 **Final Application for Payment Accounting.** In addition to the requirements set forth in *Sections 6.5* and *6.9* of the General Conditions, Design-Builder shall submit to Owner Parties a detailed final accounting of the Cost of the Work together with its final Application for Payment for each Deliverable Portion of Work. Owner Parties and Owner's agents may review and report to Owner their findings concerning Design-Builder's final accounting (the "Final Accounting Report") within thirty (30) Days after Owner receives such final accounting. Based upon substantiated amounts due, as set forth in the Final Accounting Report, and provided the other conditions of the Contract Documents have been met, Owner Parties will, within thirty (30) Days after receiving the Final Accounting Report, make final payment to the Design-Builder.

7.6.2 **Computation.** Final payment shall be calculated as follows: (i) take the costs of the applicable Work substantiated by the Supporting Documents, less any amount in excess of the applicable Pricing Amendment Sum; (ii) subtract amounts, if any, Owner is entitled to withhold under the Contract Documents; (iii) subtract the amount of any unresolved Claims pertaining to that Work; and (iv) subtract the sum of Owner's previous payments made on account of the applicable Work.

However, notwithstanding the foregoing, if the Final Accounting Report indicates Owner's previous payments made on account of the applicable Deliverable Portion of Work exceed the total amount due Design-Builder for that Work, Design-Builder shall reimburse Owner within thirty (30) Days of such determination with interest at the rate set forth in *Section 14.2* of the General Conditions.

7.6.3 **Payment Disputes.** In the event Owner Parties determine Design-Builder is due less than amounts requested in its final Application for Payment or Owner otherwise withholds amounts, including because of purported failure of the Work to conform to the Contract Documents' requirements or due to unresolved Claims, and Design-Builder disagrees with any such nonpayment, Design-Builder shall have a Claim in accordance with *Article 12* of the General Conditions.

7.7 **Interest.** Owner shall pay Contractor interest for payable amounts overdue, which necessarily do not include retainage properly withheld, at the rate set forth in *Section 14.2* of the General Conditions. For purposes of this *Section*, overdue amounts shall be those due and unpaid for not less than forty-five (45) Days from the latest of (a) the date Owner received the accurate, complete, Application for Payment; or (b) the date Owner receives proper notice of a Claim for nonpayment of amounts due and owing.

ARTICLE 8

TIME

8.1 **Time is of the Essence.** Time is of the essence of this Agreement and of the Contract Documents. Dates and milestones established or shown in the Project Schedule or Construction Schedules shall not be altered except by Change Order.

8.2 **Calculation of Time.** If a required time period in this Agreement expires on a Day other than a business day, such time period shall be extended to the next succeeding business day.

8.3 Liquidated Damages.

8.3.1 If a Deliverable Portion of Work or other milestone fails to be Substantially Complete until after the Guaranteed Substantial Completion Date applicable to such Work or such milestone for any number of days, Design-Builder shall pay to Owner by offset from the unpaid amount of the Contract Sum or by direct payment, if there remains insufficient unpaid Contract Sum funds to offset, the per diem liquidated damages amounts set forth in *Exhibit G* for all such days (the “Liquidated Damages”). Liquidated Damages shall be payable upon demand at the time they accrue.

8.3.2 It is understood and agreed by the Parties: (a) Owner will be damaged if Design-Builder fails to meet its obligations under the Contract Documents, including those pertaining to the Project Schedule and Construction Schedules; (b) it will be impracticable or extremely difficult to determine Owner’s actual damages resulting from Design-Builder’s breach of the Contract Documents, including the Project Schedule and Construction Schedules; and (c) Liquidated Damages payable under this *Article 8* are not a penalty and are instead a fair and reasonable estimate of compensation for the losses that Owner reasonably anticipates under the circumstances of the Project.

8.3.3 Liquidated Damages paid in accordance with this *Article 8* shall be the sole and exclusive measure of damages in the event Design-Builder fails to achieve Substantial Completion of a Deliverable Portion of Work or milestone on or before the Guaranteed Substantial Completion Date for such Work or milestone. However, Liquidated Damages are intended only to cover damages Owner suffers due to delay and do not cover the cost of completion of the Work or other damages, including due to Defective Work.

8.3.4 Construction Contingency shall not be used to pay Liquidated Damages.

8.3.5 This *Section 8.3* shall survive Final Completion and termination of this Agreement.

ARTICLE 9

TERMINATION

8.4 Termination Generally. Any termination of the Contract Documents shall be pursuant to and in accordance with *Article 13* of the General Conditions. In addition to the terms and conditions of *Section 13.2* of the General Conditions, in the event Owner terminates this Agreement for convenience, Design-Builder shall be entitled to payment for only Work performed and accepted up to and including the date of termination, including Reimbursable Expenses, together with amounts payable for completed Early Work for which Owner issued an Early Work Amendment.

ARTICLE 9

MISCELLANEOUS

9.1 Representations and Warranties. Design-Builder represents and warrants to Owner (a) its previously submitted qualifications, references, and financial information were and continue to be true and correct in all material respects and are without material change since the date of their submission and (b) the Contract Documents constitute Design-Builder’s legal, valid, and binding obligation, enforceable in accordance with their terms.

9.2 Authority. Design-Builder and Owner each have full power and authority to enter into and perform the Contract Documents and the persons signing this Agreement on behalf of their respective parties are duly authorized to do so.

9.3 Ownership of Documents.

In addition to the terms of the *Section 14.1* of the General Conditions, Design-Builder unconditionally and irrevocably transfers and assigns to Owner for uses connected to the Project an exclusive, royalty-free, license to the Instruments of Service; provided, however, Design-Builder and its Subcontractors shall

retain all proprietary and intellectual property rights to the Instruments of Service consistent with the confidentiality provisions of *Section 14.4* of the General Conditions.

9.3.1 **Design-BUILDER** shall obtain all necessary releases from Subcontractors to allow it to satisfy its obligations to Owner under this *Article 9*.

9.3.2 In the event Owner alters Instruments of Service without the original author's written authorization or uses the Instruments of Service without retaining the original authors of the Instruments of Service for work other than that which is indicated in those authors' Instruments of Service, the Owner releases such authors from all claims and causes of action arising from or related to such uses. The terms of this *Section 9.3.2* shall not apply if the Owner rightfully terminates this Agreement for cause pursuant to *Section 13.2.4* of the General Conditions.

9.4 Notice. Any notice or other written instrument required or permitted pursuant to this Agreement shall be in writing signed by the party giving such notice. Delivery of all such notices and written instruments shall be by hand, overnight courier, or registered letter at the addresses set forth in *Exhibit H*; provided, however, each party shall have the right to change its address by sending notice in the same manner.

9.5 Third Parties. Nothing contained in this Agreement shall be deemed to give any third party a claim, Claim, or right of action against Owner or Design-BUILDER unless that third party is expressly included as an intended beneficiary under the terms of this Agreement.

9.6 Remedies. Except as set forth in this Agreement, all rights and remedies contained in this Agreement are in addition to all others available at law or in equity.

9.7 Headings. The captions contained in this Agreement are for convenience and reference only and neither extend nor limit the scope or intent of this Agreement or its terms.

9.8 Exhibits. All exhibits, schedules, and other attachments referenced in this Agreement are fully incorporated by reference and are an integral part of this Agreement.

9.9 Entire Agreement. This Agreement represents the entire and integrated agreement between Owner and Design-BUILDER and supersedes all prior negotiations, representations, or agreements, whether written or oral. This Agreement may be amended only by written instrument signed by both Owner and Design-BUILDER.

9.10 Counterparts. This Agreement may be signed in separate counterparts, each of which when signed and delivered shall be an original, and all of which when taken together shall constitute one instrument.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

This Agreement is entered into as of the Effective Date.

OWNER:

DESIGN-BUILDER:

By: _____
Name: _____
Its: _____

By: _____
Name: _____
Its: _____

Exhibit A

GENERAL CONDITIONS

OF THE

CONTRACT FOR DESIGN AND CONSTRUCTION

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ARTICLE 1

DEFINITIONS AND GENERAL PROVISIONS

1.1. Definitions. The following terms shall have the meanings set forth below:

“ADA” shall mean the Americans with Disabilities Act of 1990, together with any amendments and rules, regulations, requirements, and best practices promulgated under the authority of the same.

“Addenda” shall mean written, drawn, and graphic instruments and representations issued by Owner Parties prior to Contractor signing the applicable Pricing Amendment that change, clarify, or interpret the Project Criteria.

“Agreement” shall mean the Contract between Owner and Contractor as the same may be amended from time to time.

“Allowance” shall mean items of Work that Contractor offers to perform at a price that is reasonably estimated but not definitive.

“Applicable Laws” shall mean federal, state and local laws, codes, rules, regulations, zoning and ordinances and university standards and policies applicable to the Project, including: ADA; ORS Chapter 659, as amended; ORS Chapter 659A, as amended; subcontracting laws in ORS 701.005 and ORS Sections 701.021 to 701.068; landscape contractor laws in ORS Sections 671.520(2) and ORS 671.560; excavation notification laws in OAR Sections 952-001-0010 through OAR 952-001-00100; and all regulations and administrative rules established pursuant to the same.

“Application for Payment” shall mean Contractor’s certified request for Owner’s payment in the form required by the Contract Documents.

“As-Built Documents” shall mean the Drawings and Specifications revised by Contractor to show the as-built condition of the Work and other changes made to the Project during the construction process.

“Avoidable Delay” shall have the meaning given in *Section 7.2.3* of these General Conditions.

“Business Inclusion and Diversity Program” shall mean that program established in OSU Standard 03-010, Procurement Thresholds and Methods, and operated pursuant to the university’s Procurement and Contracts unit rules, policies and procedures.

“Certificate for Payment” shall mean each certificate, in the form prescribed in *Section 6.6* of these General Conditions, issued by Owner Parties subsequent to an Application for Payment and in accordance with the Contract Documents evidencing the amount of the Contract Sum then due to Contractor.

“Certified Diverse Business Report” shall mean an accurate report by Contractor delivered to Owner identifying all certified diverse business enterprises certified with the State of Oregon, in accordance with ORS 200.005, performing work associated with the Project. That report is a condition to Final Completion and shall include the total number of contracts and subcontracts awarded to certified diverse business enterprises and the dollar value of each, including all changes during the course of the Project.

“Change Order” shall mean Owner’s written order, signed by Owner and Contractor, authorizing and directing a modification to the Contract Documents due to a change to: (i) the scope of the Work, (ii) the Contract Time or a material change to the schedule of performance of the Work or the Project, or (iii) the Contract Sum or Contractor’s compensation.

“Claim” shall mean a party to the Contract Document’s request, demand, or assertion pertaining to: (i) a material change to the Contract Time or the schedule of performance of the Work or the Project, (ii) a change to the Contract Sum or Contractor’s compensation, (iii) a reasonable dispute concerning

conformance with the Contract Documents, (iv) damages suffered directly or indirectly by the act or omission of the other party; or (v) other relief from the terms of the Contract Documents.

“Close-Out” shall mean the process and plan prepared by Contractor that properly prepares the Project for turnover from Contractor to Owner, as set forth in *Section 4.13* of these General Conditions.

“Construction Change Directive” shall mean a written order prepared by Owner Parties and signed by Owner directing Contractor to perform a change in the Work prior to agreeing to a change, if any, to the Contract Time, schedule of performance of the Work, Contract Sum, or Contractor’s compensation.

“Construction Contingency” shall have the meaning given in the Agreement.

“Construction Plan” shall mean Contractor’s written and graphic plan for performance of the Work for each Deliverable Portion of Work including: (i) Project logistics; (ii) staging, storage, and office areas; (iii) pathways, ingress, and egress on the Site; and (iv) safety plans and managing personnel.

“Construction Schedule” shall mean Contractor’s comprehensive, detailed, updated, critical path method (CPM) schedule (the “critical path”) for each Deliverable Portion of Work, in conformance with accepted industry standards, that is consistent with the Project Schedule, and in a form and format approved in writing by Owner, all as set forth in *Section 4.6.3* of these General Conditions.

“Contract Documents” shall mean, collectively, the Agreement, as amended; these General Conditions, as amended; the Supplemental General Conditions, if any; the Project Schedule, Design Schedules, and Construction Schedule; the Project Criteria and their Addenda; the Pricing Amendments, including the Pricing Amendment Documents; and all approved changes to the Work formalized as minor changes in the Work, Change Orders, and Construction Change Directives.

“Contract Sum” shall mean the total dollar amount payable by Owner to Contractor for the Work of a Deliverable Portion of Work, as set forth in the Agreement.

“Contract Time” shall mean the allotted time to complete the Work of a Deliverable Portion of Work, or portion thereof, as set forth in the applicable Construction Schedule.

“Contractor” shall mean the Design-Builder designated in the Agreement, who will manage or perform the Work, and its permitted successors and assigns, or such other design-build firm as Owner may designate from time to time.

“Day” shall mean a calendar day, including weekdays, weekends and holidays, unless otherwise defined.

“Default” shall mean: Contractor’s failure to perform the Work in conformance with the Contract Documents; Contractor’s failure to supply an adequate number of properly skilled workers or Materials; Contractor’s failure to make payments when due and payable for Work or Materials; Contractor’s insolvency; commencement of bankruptcy protection by or pertaining to Contractor; Contractor’s voluntary bankruptcy action or an involuntary bankruptcy action commenced against Contractor; or Contractor’s failure to comply with Applicable Laws.

“Defective Work” shall mean Work that fails to conform to the Contract Documents’ requirements.

“Delay” shall mean delays in performance of the Work, the Project, or other execution of the Contract Documents.

“Deliverable Portion of Work” shall mean each portion of the Work, or all Work, as the case may be, that Owner agrees in writing to accept when such Work is Substantially Complete, all as set forth in the Contract Documents, including the Project Schedule and the Design and Construction Schedule for that Work.

“Design Professional” shall have the meaning given in the Agreement.

“Design Schedule” shall have the meaning given in the Agreement.

“Drawings” shall mean those documents issued to or on behalf of Contractor and approved by Owner showing the design, location and dimensions of the Work, known generally as but not limited to, plans, elevations, sections, details, and schedules.

“Final Completion” shall mean the complete execution of all Contract Documents’ requirements for a Deliverable Portion of Work, as the Contract Documents require, including Close-Out as described in *Section 4.13* but excluding warranty Work as described *Section 11.3*, all as described in these General Conditions. The issuance of a final certificate of occupancy for a Deliverable Portion of Work, along with all final approvals from Governmental Authorities, shall be evidence of but not determinative of, Final Completion of that Work.

“Force Majeure” shall have the meaning given in *Section 7.2.2* of these General Conditions.

“General Conditions” shall mean these General Conditions of the Contract for Construction.

“Governmental Approvals” shall mean all permits, licenses, approvals, and consents, of Governmental Authorities required to perform the Work, including performing or approving the Services, or complete the Project.

“Governmental Authority” shall mean any federal, state, county, municipal, local or other governmental body having jurisdiction over approval of Drawings, Specifications, the Work, the Project, or the Site.

“Instruments of Service” shall have the meaning given in the Agreement.

“Liquidated Damages” shall have the meaning given in the Agreement.

“Materials” shall mean all materials, supplies, appliances, equipment, fixtures, and other items that are part of the Work, necessary to complete the Work, or consumed during performance of the Work.

“Notice to Proceed” shall mean official written notice from Owner Parties to Contractor directing Contractor to commence activities described in such notice, including a notice of commencement for all or a portion of the Work.

“Owner Parties” shall have the meaning given in the Agreement.

“Owner’s Representative” shall have the meaning given in the Agreement.

“Owner’s Separate Contractors” shall mean forces hired by Owner other than Contractor’s forces, as set forth in *Section 3.1.5* of these General Conditions.

“Owner’s Standard Requirements” shall mean OSU’s standard contractor requirements set forth in *Exhibit I. [Optional]*

“Owner-Supplied Equipment and Materials” shall have the meaning given in the Agreement.

“Person” shall mean any natural person or entity doing business of any kind, including a partnership, a joint venture, a corporation, a limited liability company, and any other entity possessing the legal capacity to contract.

“Product Data” shall mean illustrations, schedules, performance charts, instructions, brochures, diagrams, and other information that Contractor furnishes to illustrate Materials to be incorporated into the Work.

“Progress Report” shall mean Contractor’s monthly report to Owner containing an executive summary of completed Work and the contents of the report; the up-to-date Design Schedules and Construction Schedule; the current actual costs as compared to their budgeted costs for completed activities and estimated costs compared to their budgeted costs for incomplete activities; Construction Contingency status; all known and potential Claims; all material issues relating to the Project that may affect Contract Sum, Contract Time, or Project quality, and proposed solutions for each such issue; status

of all outstanding requests for information; current safety and accident report; Project progress photos; and other relevant information reasonably required by Owner.

“Project” shall mean the project described on *Exhibit J* which includes the Work of the Contract Documents.

“Project Schedule” shall mean the overall schedule of the Project, as approved by Owner, including proposed activity sequences and durations, phases and milestone dates, preparation and processing of shop drawings and samples, Owner’s occupancy requirements, and pertinent information from Contractor’s Design and Construction Schedules, all as updated from time to time.

“Punch List” shall mean the list generated by Contractor and approved by Owner Parties of incomplete or Defective Work that must be corrected before the Project achieves Final Completion.

“Quality Management and Control Plan” shall mean the comprehensive quality management and control plan described in *Section 4.5* of these General Conditions and attached as *Exhibit K*.

“Record Document” shall mean Contractor’s As-Built Documents, testing and inspection records, product data, samples, manufacturer and distributor/supplier warranties evidencing transfer of ownership to Owner, operational and maintenance manuals, approved shop drawings, Certified Diverse Business Report, correspondence that is material to the Contract Documents, certificate(s) of occupancy, Close-Out documents, and other documents recording performance of the Work.

“Samples” shall mean physical examples illustrating Materials or workmanship, and shall establish standards upon which the Work will be reviewed and approved.

“Schedule of Values” shall mean Contractor’s statement reflecting the portions of the Contract Sum allocated to the various portions of the Work and, when approved by Owner, used as the basis for reviewing and processing Applications for Payment, in accordance with *Section 6.3* of these General Conditions.

“Services” shall have the meaning given in the Agreement.

“Shop Drawings” shall mean drawings, diagrams, schedules, and other data specially prepared for the Work by or on behalf of Contractor to illustrate a portion of the Work.

“Site” shall mean the real property upon which the Work will be assembled, located at 1500 SW Chandler Ave., Bend, OR 97702 and as may be further described in *Exhibit L*.

“Specifications” shall mean those documents issued to or on behalf of Contractor and approved by Owner containing the written requirements for Materials, systems, and standards of the Work, including inspection, testing, and warranty requirements.

“Standard of Care” shall have the same meaning as in the Agreement.

“Subcontract” shall mean any agreement between Contractor and a Subcontractor for performance of Work or a Supplier for supplying Materials to the Project.

“Subcontractor” shall mean a Person having an agreement with Contractor to perform Work. Owner’s Separate Contractors are not Subcontractors unless Owner expressly assigns them in writing to Contractor.

“Submittals” shall mean any submission to Owner Parties demonstrating how Contractor proposes to conform the Work to the Contract Documents including Shop Drawings, Product Data, Samples, and other customary documents.

“Substantial Completion” and “Substantially Complete” shall mean a Deliverable Portion of Work is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the same for its intended purpose. In no event shall Work be deemed Substantially Complete unless a certificate of occupancy has been issued for the Project or Deliverable Portion of Work, as the

case may be, by the appropriate Governmental Authorities and such Work can be delivered to Owner with only Punch List items unfinished in the common areas that will not interfere with Owner's practical use.

"Substitution" shall mean any product or process Contractor proposes to substitute for one specified in the Contract Documents that completely fulfills the requirements of the Contract Documents and is approved by Owner Parties.

"Sub-subcontractor" shall mean a Person having an agreement with a Subcontractor to perform Work.

"Supplemental General Conditions" shall mean those conditions that remove from, add to, or modify these General Conditions by separate attachment to the Contract Documents.

"Supplier" shall mean a Person having an agreement with Contractor, Subcontractors, or Sub-subcontractors, to supply Materials to the Project.

"Supporting Documents" shall have the meaning given in *Section 6.5.1* of these General Conditions.

"Unavoidable Delay" shall have the meaning given in *Section 7.2.4* of these General Conditions.

"Work" shall mean the furnishing of all Services, Materials, labor, transportation, facilities, management, and other reasonably necessary services and work, to perform and complete design and construction of the Project in accordance with, and reasonably inferable from, the Contract Documents.

1.2. Other Terms. In addition to the terms defined in this *Article 1*, other terms are defined throughout these General Conditions in sections relevant to their use. Terms used but not specifically defined in these General Conditions shall have their well-known technical or industry meanings.

1.3. Context. As the context of each provision of these General Conditions changes, so too shall its verbs and nouns. Specifically, terms in the singular and the plural shall include one another, and terms in the feminine, masculine, or neuter, shall include one another. Use of the word "including" throughout these General Conditions shall mean "including without limitation" and shall not be deemed a limitation but instead an illustration.

1.4. Incorporation by Reference. All exhibits, schedules, and other attachments to these General Conditions shall be incorporated in and integral to these General Conditions by their reference.

1.5. Public Works.

1.5.1 Government Employment Status. If payment under the Agreement will be charged against federal funds, Contractor represents and warrants that it is not currently employed by the Federal Government. This does not preclude Contractor from holding another contract with the Federal Government. Contractor further represents and warrants that Contractor is not an employee of the State of Oregon for purposes of performing Work.

1.5.2 Retirement System Status and Taxes. Contractor represents and warrants that it is not a contributing member of the Oregon Public Employees' Retirement System and will be responsible for any federal or state taxes applicable to payment received under the Contract Documents. Contractor will not be eligible for any federal Social Security, employment insurance, workers' compensation or the Oregon Public Employees' Retirement System benefits from Project payments, except as a self-employed individual. Unless Contractor is subject to backup withholding, Owner will not withhold from its payments to Contractor federal or state tax obligations.

1.5.3 Minimum Wages Rates on Public Works. Contractor shall comply fully with the provisions of ORS Sections 279C.800 through 279C.870. Documents establishing those conditions, as determined by the Oregon Commissioner of the Bureau of Labor and Industries, are included as attachments to or are incorporated by reference in the Contract Documents. Pursuant to ORS 279C.830(1)(c), Contractor shall pay workers not less than the specified minimum hourly rate of wage,

and shall include the same minimum hourly rate of wage requirement in all Subcontracts. If the Work is subject to both the Oregon state prevailing wage rate law and the federal Davis-Bacon Act, Contractor shall pay the higher of the two prevailing rates. Contractor shall also provide written notice to all workers of the number of hours per day and days per week such workers may be required to work.

1.5.4 Payroll Certification and Fee Requirements. In accordance with ORS 279C.845, Contractor and every Subcontractor shall submit written certified statements to Owner Parties, on the form prescribed by the Oregon Commissioner of the Bureau of Labor and Industries, certifying the hourly rate of wage paid to each worker that Contractor or a Subcontractor has employed on the project and further certifying that no worker employed on the Project has been paid less than the prevailing rate of wage or less than the minimum hourly rate of wage specified in the Contract Documents. Contractors and Subcontractors shall verify by oath that they have read the certified statement, that they know the contents of the certified statement, and that, to their best knowledge and belief, the certified statement is true. The certified statements shall set out accurately and completely the payroll records for the prior week, including the name and address of each worker, the worker's correct classification, rate of pay, daily and weekly number of hours worked, deductions made, and actual wages paid. Certified statements for each week during which the Contractor or Subcontractor has employed a worker on the project shall be submitted each month, by the fifth business day of the succeeding month. The Contractor and Subcontractors shall preserve their certified statements for a period of ten (10) years from the date of Final Completion.

1.5.5 Additional Retainage. Pursuant to ORS 279C.845(7), Owner shall retain twenty-five (25) percent of any amount earned by Contractor on this public works Project until Contractor has filed the certified statements required by *Section 1.5.4* above. Owner shall pay to Contractor the amount retained under this *Section* within fourteen (14) Days after Contractor files the required certified statements, regardless whether a Subcontractor has failed to file certified statements. Pursuant to ORS 279C.845(8), Contractor shall retain twenty-five percent (25%) of any amount earned by a Subcontractor on this public works Project until that Subcontractor has filed with Owner Parties the certified statements required by *Section 1.5.4* above. Before paying any amount retained under this *Section*, Contractor shall verify that Subcontractor has filed the certified statement. Within fourteen (14) Days after Subcontractor files the required certified statement, Contractor shall pay Subcontractor any amount retained under this *Section*.

1.5.6 Bureau of Labor and Industries Fee. In accordance with statutory requirements and administrative rules promulgated by the Oregon Commissioner of the Bureau of Labor and Industries, the fee required by ORS 279C.825(1) will be paid by Owner to the Commissioner.

1.5.7 Hours of Labor. As a condition to Owner's performance under the Contract Documents, no Person shall be employed to perform Work for more than ten (10) hours in any one Day or forty (40) hours in any one week, except in cases of necessity, emergency, or where public policy absolutely requires it. In such instances, Contractor shall pay the employee at least time and a half pay: (i) for all overtime in excess of eight (8) hours a day or forty (40) hours in any one week when the work week is five consecutive Days, Monday through Friday; (ii) for all overtime in excess of ten (10) hours a day or forty (40) hours in any one week when the work week is four consecutive Days, Monday through Friday; and (iii) for all Work performed on Saturday and on any legal holiday specified in ORS 279C.540. This *Section 1.5.7* will not apply to Contractor's Work to the extent Contractor is currently a party to a collective bargaining agreement with any labor organization as set forth in the Labor Agreement and shall not excuse Contractor from completion of the Work in accordance with the Construction Schedule and within the Contract Time.

1.5.8 Labor Laws. Contractor shall comply with all applicable requirements of federal and state civil rights and rehabilitation statutes, rules, and regulations. Contractor shall not, in the awarding of Subcontracts, discriminate against businesses that have been certified by the State of Oregon Certification Office for Business Inclusion and Diversity under ORS 200.055. Contractor shall maintain,

in current and valid form, all licenses and certificates required by Applicable Laws and by the Contract Documents when performing the Work.

1.5.9 Labor Agreement. If applicable, the Labor Agreement shall govern labor relations for the Project and shall establish rules and procedures for labor efficiency, assignment of work, and prompt settlement of all disputes. Contractor shall follow and enforce the Labor Agreement to ensure uninterrupted Project operations. All Persons performing Work shall become party to the Labor Agreement with exception to those portions of the Work expressly excluded from the Labor Agreement, for which Contractor shall award as “open-shop.”

1.5.10 Contractor Certifications. Unless contrary to federal law, Contractor shall certify that it shall not accept a bid to perform Work from Subcontractors as described in ORS 701.005 unless such Subcontractors, if required, are registered with the Oregon Construction Contractors Board in accordance with ORS Sections 701.021 to 701.068 at the time they submit bids. Unless contrary to federal law, Contractor shall certify that each landscape contractor, as defined in ORS 671.520(2), performing Work holds a valid landscape contractor’s license issued pursuant to ORS 671.560.

The following notice is applicable to Contractors who perform excavation Work:

“ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-00100. You may obtain copies of the rules by calling (503) 232-1987.”

1.5.11 Dual Payment Sources. Contractor shall not be compensated for Work from any payment source other than Owner.

ARTICLE 2

CONTRACT ADMINISTRATION

2.1. Correlation of Contract Documents; Execution of Work.

2.1.1 General Meaning. The Contract Documents are complementary. Whatever is called for in one Contract Document, shall be interpreted to be called for in all Contract Documents. Contractor shall perform all Work required by, reasonably inferable from, and consistent with, the Contract Documents. Some of the Contract Documents contain detailed procedures. These detailed procedures and requirements are supplementary to, and do not control, the requirements of the other Contract Documents. Instead, wherever possible, the Contract Documents shall be read together and inconsistencies shall be, where practicable, considered additional requirements to those of the other Contract Documents.

2.1.2 Contract Documents. All Work shall be performed in a professional manner and unless the means or methods of performing a task are specified elsewhere in the Contract Documents, Contractor shall employ methods that are generally accepted and used by the industry, in accordance with industry practices and the Standard of Care. The Contract Documents contain the entire integrated agreement between Contractor and Owner and supersede prior negotiations, representations, and agreements, whether written or oral. The Contract Documents do not create a contractual relationship between Owner and Subcontractors or Sub-subcontractors.

2.1.3 Order of Precedence. In the event of irreconcilable conflicts or discrepancies among the Contract Documents whose requirements cannot be both practicably performed, interpretations shall be based on the following descending order of precedence: (i) Change Orders, with those of later date having precedence over those of an earlier date; (ii) the Agreement; (iii) the Supplemental General Conditions, if any; (iv) the General Conditions; and (v) the Pricing Amendment Documents.

2.1.4 Greater Quality/Quantity. In the case of an inconsistency between Contract Documents as to quantity or quality and not clarified by Addenda, the better quality or greater quantity of Work shall be furnished.

2.1.5 Notice to Owner of Inconsistency. If Contractor finds discrepancies in, or omissions from, the Contract Documents, or if Contractor is in doubt as to their meaning, Contractor shall immediately notify Owner Parties. Responses to Contractor's requests for interpretation of Contract Documents will be made in writing within any time limits agreed upon or otherwise with reasonable promptness and will be consistent with the intent of the Contract Documents. If an inconsistency or interrelation is unresolved, Contractor shall not proceed with affected Work until it receives written direction from Owner Parties.

2.1.6 References to Standards. All references to standards, express or implied, including to standard specifications, manuals, codes of any technical society, organization or association, or laws or regulations of any governmental authority, shall mean the latest standards in effect in the Site's jurisdiction, occurring on the first published date of any solicitation document, except as may be otherwise specifically stated.

2.1.7 Titles and Sections. Some Contract Documents are titled and sectioned for convenience only and such sectioning shall not control Contractor's division of Work among its Subcontractors and the trades and shall not relieve Contractor of responsibility for satisfactory execution of the Work. Owner Parties assume no responsibility for Contractor's division and coordination of the Work.

2.2. Owner's Representative. If applicable, Owner's Representative will inform Owner of the progress of the Work and will be Owner's advisor during the course of the Work. However, Owner's Representative shall neither be responsible for nor have control of design, construction, means, methods, or procedures, Site or Project safety, and shall have no control over the acts or omissions of Contractor, Subcontractors, Sub-subcontractors, or any other Persons performing Work.

2.3. Contract Administration. Owner Parties shall administer the Contract Documents during construction through Final Completion and during the one-year warranty period for correction of Work. However, Owner reserves the right to perform directly all or some of the roles, and will have all of the rights, designated for Owner Parties in the Contract Documents, including to inspections and rejection of the Work and processing and approving Applications for Payment. In the event Owner chooses to self-perform administration of the Contract Documents, Owner shall not be responsible for or have control of design, construction, means, methods, or procedures, Site or Project safety, and shall have no control over the acts or omissions of Contractor, Subcontractors, Sub-subcontractors, or any other Persons performing Work.

Contractor shall control and shall be solely responsible for safety precautions and programs in connection with the Work.

2.3.1 Communication. Except as otherwise provided in the Contract Documents or when direct communications have been specifically authorized, Owner and Contractor shall endeavor to communicate with each other about matters arising out of or relating to the Contract Documents through Owner Parties. Communications by and with Subcontractors, Sub-subcontractors, and Suppliers shall be through Contractor. Communications by and with Owner's Separate Contractors shall be through Owner's Representative.

2.3.2 Site Visits. Owner Parties will visit the site at intervals appropriate to the stage of the Contractor's operations to become generally familiar with and to keep the Owner informed of the progress and quality of the Work and to guard against defects and deficiencies in the Work. Owner Parties' review of the Work is to determine, generally, if Work is and will be in accordance with the intent of the Contract Documents. Owner Parties will not make exhaustive or continuous on-site inspections to check the quality or quantity of the Work.

2.3.3 Safe Access to Work. Owner Parties shall have access to the Work and the Site at all times. Contactor shall furnish adequate facilities, as required, for Owner Parties to safely access and inspect the Site and the Work, including without limitation, walkways, railings, ladders, tunnels, and platforms. Producers, Suppliers, and fabricators shall also provide proper facilities and access to accommodate Owner Parties' inspections.

2.3.4 Inspections. Work performed and Materials furnished shall be subject to inspection, observation, and testing by Owner Parties at their discretion. Owner Parties' inspection of the Work is to independently determine if the Contract Documents' requirements are met and shall not relieve Contractor of its responsibility to ensure the Work meets the Contract Documents' requirements, including Contractor's own testing and inspection requirements.

2.3.5 Affected Third Parties. When the United States Government pays all or a portion of the Contract Sum, when Owner has an agreement with other public or private organizations, or when a portion of the Work is performed for a third party or in close proximity to third party facilities, representatives of these affected organizations (the "Affected Third Parties") shall have the right to inspect the Work impacting their interests or property. Affected Third Parties' rights to inspect shall not give rise to any status as a party to the Contract Documents, however, and shall not interfere with Owner's or Contractor's rights under the Contract Documents. Communications concerning Affected Third Parties shall be conducted exclusively between the Owner Parties and Contractor.

ARTICLE 3

OWNER'S RIGHTS AND RESPONSIBILITIES

3.1. Owner's Rights.

3.1.1 Right to Reject Work. Owner Parties shall have the authority to reject Work that does not conform to the Contract Documents and to require special inspection or testing of any Work. However, neither Owner Parties' authority to act under this *Section*, nor any decision made by them in good faith, shall give rise to any duty to Contractor, Subcontractor, Sub-subcontractor or any other person performing Work. Work that is Defective Work, in Owner Parties' reasonable judgment, shall be removed from the Site, corrected, and repaired, at Contractor's expense. Work completed or Materials installed that are subject to inspection or testing under the Contract Documents but for which Contractor failed to properly inspect, test, or timely notice Owner Parties, may be ordered removed by Owner Parties at Contractor's expense.

3.1.2 Right to Carry Out the Work. If, within five (5) Days after receiving written demand from Owner Parties to diligently prosecute all or any part of the Work, Contractor fails or neglects to carry out such Work promptly and in accordance with the Contract Documents, Owner may, and without prejudice to any other remedy, make good Contractor's deficiencies.

If Owner carries out Work as set forth above, Owner Parties shall issue an appropriate Change Order deducting from the Contract Sum the cost of correcting such deficiencies, including compensation for Owner Parties' additional services due to such deficiency. If, at the time Owner issues the deductive Change Order, the payments due Contractor are insufficient to cover the deduction in the Contract Sum, Contractor shall immediately pay to Owner the difference.

3.1.3 Right to Clean Up. In the event Contractor and Owner's Separate Contractors dispute responsibility for cleaning up, Owner Parties may direct Contractor to clean up and charge its costs, in Owner Parties' reasonable judgment, to the responsible parties.

3.1.4 Partial Occupancy. Owner shall have the right to occupy and use any completed or partially completed portions of the Work, provided Governmental Authorities having jurisdiction over the Work consent to such occupancy. Substantial Completion shall not be a prerequisite to Owner's

occupancy or use; provided, however, that Owner and Contractor have (a) reasonably accepted in writing their respective responsibilities for payments, retainage, security, insurance, maintenance, heat, utilities, and damage to the Work and (b) agreed in writing to the period for correction of Work and commencement of warranties required by the Contract Documents for those portions of the Work occupied or used. Immediately prior to Owner's partial occupancy or use, Contractor and Owner Parties shall jointly inspect the area to be occupied or used to determine and record the condition of the Work. Partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work that fails to conform to the Contract Documents.

3.1.5 Right to Perform Other Work. Owner reserves the right to perform other or additional work at or near the Site with Owner's Separate Contractors. If such work takes place within or adjacent to the Site, Contractor shall coordinate such work and cooperate with Owner's Separate Contractors, to carry out the Work with minimal interference and Delay. Contractor and Owner's Separate Contractors shall place and dispose of materials so as not to interfere with the operations of the other, and shall join the Work with the work of others in an acceptable manner and in proper sequence. In the event of a dispute among Contractor and Owner's Separate Contractors concerning the order or priority of work, Owner Parties' decision shall be final.

3.2. Owner's Responsibilities.

3.2.1 Timely responses and approvals. Owner shall render approvals and decisions with reasonable promptness and shall endeavor to minimize Delay in the orderly progress of Contractor's services and the Work; provided, however, Contractor shall timely advise Owner of the time requirements of such approvals and decisions.

3.2.2 Surveys and Site Data. With prior written request, Owner shall furnish Contractor with all surveys of the Site then in Owner's possession and to the extent necessary to properly perform the Work. Contractor shall review all such materials and promptly notify Owner of inaccuracies or inconsistencies that Contractor discovers. Contractor shall be liable for any inaccuracies or inconsistencies that Contractor discovered or should have discovered in accordance with the Standard of Care, but for which Contractor failed to promptly give to Owner notice.

3.2.3 Other Information or Services. With Contractor's prior written request, Owner shall furnish Contractor with all other information or services then under Owner's control and reasonably required for performance of the Work, with reasonable promptness.

ARTICLE 4

CONTRACTOR'S RIGHTS AND RESPONSIBILITIES

4.1. Contract Documents.

4.1.1 Examination of the Contract Documents. Contractor shall carefully study and examine the Contract Documents and shall at once report to Owner Parties discovered errors, inconsistencies, omissions, and departures from Applicable Laws, including design errors and omissions. By studying the Contract Documents and preparing the Pricing Amendment Documents, Contractor has fully informed itself as to the quality, quantity, and sources of Materials, the character of the Work, and has made a careful examination of the Site and the location and conditions of the Work. As such, Owner shall not be responsible for and Contractor shall have no Claim for losses or unanticipated costs that Contractor suffers due to conditions that Contractor discovered or, as an experienced contractor, should have discovered, but failed to timely report to Owner Parties.

4.1.2 Verification of the Contract Documents. Contractor shall verify all dimensions before laying out the Work, is responsible for the accuracy of all lines, grades, and measurements, and shall protect and preserve all land and survey markers while performing services and executing the Work.

Owner Parties' confirmation of dimensions and layout shall not relieve Contractor of its responsibilities to the same.

4.1.3 Requests for Additional Compensation or Time. If Contractor reasonably believes adjustments to the Contract Documents that would lead to a Change Order are required due to clarifications or instructions issued by Owner Parties in response to the Contractor's notices or requests for information, Contractor shall submit a written request to Owner Parties, setting forth the nature and specific extent of the request, including all time and cost impacts, as soon as possible, but in no event later than twenty-one (21) Days after Contractor's receipt of the clarifications or instructions issued. If Owner Parties deny Contractor's request for additional compensation, and Contractor reasonably believes such denial was in error, the Contractor may file a Claim in accordance with *Article 12* of these General Conditions.

4.2. Use of Site.

4.2.1 Contractor's Operations. Contractor shall confine all Materials, storage, and operations at the Site to the limits indicated by the Contract Documents, Applicable Laws, permits, and direction of Owner Parties.

4.2.2 Adjacent Buildings and Owner's Ongoing Business. Contractor understands the Work performed at the Site will occur around existing buildings, some of which may be historic and fragile, that house and facilitate Owner's current operations. As such, all Work shall be conducted in a manner causing as little interference with and inconvenience to the surrounding structures and continuous conduct of Owner's operations as possible.

4.2.3 Storage and Safekeeping. Contractor shall be solely responsible for storage, handling, and safekeeping at all times of Contractor's and Subcontractors' tools, all equipment including Owner-Supplied Equipment, and all Materials. Contractor shall provide Site and any necessary storage security to guard against vandalism and theft to the Work, tools, all equipment including Owner-Supplied Equipment, and all Materials under Contractor's control and care. Contractor hereby waives all Claims that pertain to the requirements of this *Section*.

4.3. Procedures and Supervision.

4.3.1 General Responsibilities. Contractor shall supervise, coordinate, and direct the Work, using the Contractor's best skill and attention, in accordance with the Standard of Care and shall be responsible for implementing the Construction Plan if required. Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences, and procedures, Site and Project safety, and for coordinating all portions of the Work, unless the Contract Documents give other specific instructions concerning these matters. In any event, Contractor shall also evaluate the coordination and jobsite safety of others contributing to the same.

4.3.2 Governmental Authority Coordination. Contractor shall coordinate the Work with all Governmental Authorities and utility companies involved in the Project. Prior to excavation and in accordance with utility locating requirements, Contractor shall cause to have located all underground facilities on and about the Site before commencing any digging operations.

4.3.3 Supervision. Among Contractor's On-Site staff shall be a senior project manager, superintendent, and necessary assistants who shall be satisfactory to Owner Parties and who shall attend the progress of the Work. The project manager shall represent Contractor and all communications given to the project manager shall be binding on Contractor as if given directly to it.

4.3.4 Protection of Work; Mitigation. Contractor shall protect from damage and maintain the Work during the course of construction and shall mitigate any adverse impacts to the Project, including those caused by casualty and by Owner's authorized changes, which may affect Contract Sum, Contract Time, schedules, or quality.

4.3.5 Structure Surveys. Contractor shall cause to be performed comprehensive surveys of the structural components of the Work, verifying its complete conformance with all dimensional and performance requirements of the Contract Documents and Applicable Laws.

4.3.6 Owner's Separate Contractors. Contractor shall provide Owner's Separate Contractors reasonable opportunity to introduce and store at the Site their tools, equipment, and Materials and for the execution of their work. Contractor shall coordinate the Work with the work and services of Owner's Separate Contractors in accordance with the Contract Documents.

Work whose commencement depends upon completion of Owner's Separate Contractors' work shall not be commenced until Contractor inspects such Owner's Separate Contractors' work for conformance with the Contract Documents. In the event Contractor finds Owner's Separate Contractors' work defective or incomplete, Contractor shall promptly report to Owner Parties the apparent issues. Contractor's failure to inspect and report such issues shall, except for latent, concealed defects, constitute an acceptance of Owner's Separate Contractors' work as fit for proper execution of the Work.

Any costs caused by defective or ill-timed Work and any damage to the Work or to Owner's Separate Contractors' work shall be borne by the party responsible for such defect, ill-timeliness, or damage.

4.4. Labor and Materials. Contractor shall provide and pay for all labor, Materials, machinery, utilities, transportation, and other facilities and services necessary for the proper execution and completion of the Work in accordance with the Contract Documents.

4.4.1 Quality of Work. Contractor shall execute the Work with a quality of workmanship consistent with first-class public university projects. Contractor warrants that all Materials shall be new unless otherwise called for in the Contract Documents and that the Work will be free from defects and conform to the Contract Documents' requirements.

4.4.2 Labor and Staffing. Contractor shall maintain sufficient numbers of qualified workers and personnel assigned to the Project to ensure that its obligations under the Contract Documents are timely met. Contractor shall maintain a competent, full-time staff at the Site, including personnel experienced with projects of similar size and scope to that of the Project.

4.4.3 Labor Relations. Contractor is responsible for the actions of all its personnel, laborers, Subcontractors, Sub-subcontractors, Suppliers, and all Persons performing Work on the Project. Contractor shall enforce strict discipline and good order among all Persons carrying out the Work. Contractor shall not permit employment of Persons who are unfit or unskilled for the tasks assigned to them or to whom Owner Parties make reasonable objection.

4.4.4 Medical and Workers' Compensation Payments. As a condition to Owner's performance, Contractor shall promptly, when due, make payment to any person, partnership, association, company, or corporation furnishing medical, surgical, or hospital care or other needed care and attention, incident to sickness or injury, to the Contractor's employees. Contractor agrees to pay for all such services, including from monies the Contractor has collected or deducted from the wages of personnel pursuant to any law, contract, or agreement for providing or paying for such services. Contractor shall comply with and shall ensure all Subcontractors and Sub-subcontractors comply with ORS Chapter 656.

4.4.5 Apprenticeship Requirements. If the Contract Sum exceeds \$3,000,000.00, the Contractor shall (i) employ apprentices (as that term is defined in ORS 660.010) to perform twelve percent (12%) or more of the work hours that workers in apprenticeable occupations (as that term is defined in ORS 660.010) perform; and (ii) require in each Subcontract with a value of \$750,000 or more that the Subcontractor employ apprentices to perform twelve percent (12%) or more of the work hours that workers in apprenticeable occupations perform on the Subcontract. Contractor acknowledges and agrees that this Section 4.4.5 is a material provision of this Contract.

.1 The Contractor shall establish and implement a plan for outreach to and recruitment and retention of women (as that term is defined in ORS 200.005), minority

individuals (as that term is defined in ORS 200.005) and veterans (as that term is defined in ORS 408.225) to perform work under this Contract, with an aspirational target of having individuals in one or more of these groups to compose at least fifteen percent (15%) of the total number of workers who perform work under the Contract. The Contractor must have a written plan for outreach, recruitment and retention of women, minority individuals and veterans and the Contractor shall: (i) advertise employment opportunities available under this Contract in general circulation publications, trade association publications and publications that serve an audience or readership that consists primarily of minority individuals, women or veterans; (ii) follow up on the Contractor's initial solicitations of interest by contacting minority individuals, women or veterans who expressed interest in or responded to the initial solicitation to determine with certainty whether the minority individual, woman or veteran is interested in the opportunities described in (i) above; (iii) provide all persons who express continued interest with adequate information about hiring qualifications, pay rates, benefits, the expected duration of employment, work hours and other conditions of employment under this Contract; (iv) make efforts to encourage minority individuals, women and veterans to seek employment under the public improvement contract that the contractor may reasonably expect will produce a level of participation that meets the aspirational target described in this Section; and (v) use the services of minority community organizations, local, state, federal and tribal governments or other organizations that have recruiting, training and otherwise assisting minority individuals, women and veterans as the organization's primary purpose or mission to assist the Contractor with outreach, recruitment and retention.

.2 The Contractor shall demonstrate adequate good faith efforts to comply with the requirements of Section 4.4.5.1.

.3 The Contractor shall require any Subcontractor with a Subcontract value of \$750,000 or more to comply with the requirements set forth in Sections 4.4.5.1 and 4.4.5.2 to the same extent as the Contractor is required to comply with such requirements.

.4 No less often than weekly, the Contractor shall report to Owner the extent of compliance with this Section 4.4.5, and the compliance of all Subcontractors described Section 4.4.5.3, to the Owner using the Bureau of Labor and Industries' Enhanced Payroll and Certified Statement form, Enhanced WH-38.

.5 With each Application for Payment, the Contractor shall submit for this Contract and each subcontract the report described in Section 4.4.5.4 as part of, or as a supplement to, certified statements required under ORS 279C.845. Contractor shall preserve the reports in the same manner as provided for certified statements in ORS 279C.845 (5).

4.5. Quality Management and Control. Upon request, the Contractor shall provide the following:

4.5.1 Quality Management and Control Plan. Contractor shall develop, seek approval from Owner Parties of, and implement, the Quality Management and Control Plan. The Quality Management and Control Plan is intended to ensure performance of the Work is in accordance with the requirements of the Contract Documents, and implements appropriate procedures to verify and document such compliance. The Quality Management and Control Plan shall include, at a minimum: (i) a breakdown of quality control responsibilities to the various Project participants; (ii) a cost control system for the Work, including regular monitoring of actual costs for activities in progress and estimates for uncompleted tasks and proposed changes; (iii) a quality control matrix listing all testing, inspections, and Submittals, relating to the Work with specific reference to the source of the requirement and the party responsible (whether Owner Parties, Contractor, or others) for that testing, inspection, and Submittal; (iv) inspection and testing plans for all critical Work, including commissioning and Subcontractors' and inspection agents' activities necessary for the commissioning process; (v) field monitoring and inspection

reports; (vi) Contractor's audit plan for auditing Subcontractor's quality control efforts; and (vii) Defective Work identification, reporting, and correction procedures.

Using Contractor's Quality Management and Control Plan, which shall be regularly updated and maintained, Contractor shall inspect the Work on an ongoing basis and document all Defective Work, whether identified by Governmental Authorities, Owner Parties, or Contractor.

4.6. Communication. Contractor and Owner Parties shall develop and implement acceptable procedures for reviewing, documenting, and processing questions and responses, including requests for information, requests for clarification, minor changes in the Work, and Change Orders. If Owner Parties so choose, Contractor shall furnish a web-based system, to facilitate such communications quickly and accurately.

4.6.1 Meetings; Reports. Contractor shall regularly schedule, conduct, and record pre-construction and construction progress meetings. Contractor shall schedule, conduct, and record such progress meetings with Owner Parties at least weekly during construction. For all such meetings, Contractor shall distribute its minutes with promptness after each meeting, to Persons or organizations in attendance.

.1 Contractor shall submit to Owner Parties for review, comment, and approval within fifteen (15) Days after the effective date of the Agreement a form of Contractor's Progress Report. Contractor shall implement and update monthly its approved form of Progress Report.

.2 Contractor shall keep and make available at the Site a regularly maintained log of recordable OSHA incidents and recordable lost time accidents and shall include such log in Contractor's Progress Reports.

.3 Contractor shall keep and make available at the Site a log of Defective Work, as set forth in *Section 4.5.1* above, which shall also be included in Contractor's Progress Reports. Contractor shall maintain communications with Governmental Authorities having jurisdiction and conducting inspections of the Work to ensure timely inspections and adequate time for remedy of Defective Work.

.4 Contractor shall keep and make available at the Site a daily record of Site conditions and activities such as weather, number of workers, Work performed, problems encountered, and other relevant data.

.5 Contractor shall keep and make available at the Site a regularly maintained log of all Submittals.

.6 Contractor shall keep and make available at the Site an accurate record of all tests, inspections, and reports concerning the Work.

4.6.2 Certified Diverse Business Report. Contractor shall submit to Owner Parties its Certified Diverse Report with Contractor's final Application for Payment for each Deliverable Portion of Work.

4.6.3 Schedules. The Project Schedule shall include the overall timeline of all Project activities, major milestones, and phases if any, and shall include the general timeline of the Design and Construction Schedules. Contractor's Design and Construction Schedules shall include (i) all major components and phases of the applicable Work and their associated costs; (ii) break-downs of each major component or phase by building, floor, and trade as applicable; (iii) the time and duration that each activity will take to completion and accurate estimated float time for each activity; (iv) estimated manpower and cost loading for each phase and, for the Construction Schedule, for each trade within such phase; and (v) the dependencies between all scheduled activities. Contractor shall also include in its Construction Schedule applicable dates of Substantial Completion and Final Completion, and in its

Design and Construction Schedules all prerequisite activities to the applicable Work, including processing of Submittals and long lead-time products. Contractor shall adhere to the Project Schedule when managing the Project and to the Design and Construction Schedules when managing and performing the Work. Contractor shall update monthly the Design and Construction Schedules and recommend updates to the Project Schedule as and when necessary. Contractor shall deliver to Owner Parties upon request all native electronic files of all Project, Design, and Construction Schedules so requested.

Owner Parties' acceptance of a Design or Construction Schedule does not constitute agreement as to Contractor's sequencing, means, methods, or durations. Any positive difference between the Contractor's scheduled completion dates, the milestone deadlines, and the Contract Time, is float time owned by the Owner.

4.6.4 Schedule Impacts. Within five (5) Days after occurrence of an event that Contractor reasonably believes will have a material impact on the Work or any schedule, Contractor shall provide written notice to Owner Parties describing the nature and impact of the event, and propose methods of any necessary mitigation.

4.7. Documents and Submittals.

4.7.1 Site Copies. Contractor shall keep and make available at the Site one record copy, in physical or electronic form, of the complete Contract Documents in good order and marked to record field changes and selections made during construction along with one record copy of Owner's Separate Contractors coordinated work. Contractor shall also keep and make available at the Site one copy, in physical or electronic form, of each approved Submittal.

4.7.2 Contractor Review. Contractor shall cooperate with Owner Parties to develop an internet-based system to provide an up-to-date Submittal log. The Submittal log shall include proposed submittal dates and review time for each item, and the approval status of each Submittal.

.1 Contractor shall prepare, review, approve, and submit to Owner Parties, with reasonable promptness and in such sequence as to cause no Delay in the Work or in the work of Owner's Separate Contractors, all Submittals and mock-ups required by the Contract Documents. All Submittals shall be delivered in sufficient time to allow reviewing parties reasonable time for consideration and Contractor adequate time for resubmission if required. Contractor shall cooperate with Owner Parties and coordinate Contractor's Submittals with those of Owner's Separate Contractors.

.2 Prior to Contractor's submission to Owner Parties, Contractor shall cause all Submittals to conform to the Contract Documents, and shall confirm and evidence such conformity with Contractor's review stamp marked "approved." Owner Parties will annotate, correct, and stamp the Submittals as necessary, indicating what further action is necessary and appropriate, and return each Submittal to Contractor. Submittals corrected by Contractor and resubmitted for review and approval containing changes other than those indicated by Owner Parties shall have such additional, new changes, clearly marked to bring them to Owner Parties' attention as well as fully explained in a contemporaneous writing.

.3 In the event a Submittal is not approved, Contractor will be notified of the reasons for disapproval and Contractor shall timely re-submit the revised unapproved Submittal until approved.

.4 By presenting each Submittal to Owner Parties, Contractor represents that it has determined, verified, and approved all Materials and field measurements and criteria related to that Submittal and has confirmed each such Submittal meets the requirements of the Contract Documents.

.5 If a Submittal requires professional services or certifications, Contractor shall cause each such Submittal document to bear the signature and seal of that professional, as licensed in the state where the Project is located.

.6 Owner Parties' approval of a Submittal shall not relieve Contractor of responsibility for deviation from the requirements of the Contract Documents, unless Owner Parties have given written approval to the specific deviation. The Owner Parties' approval does not imply that the items shown on each Shop Drawing are all-inclusive of Contractor's responsibilities. Subject to the Standard of Care, in no event shall Contractor be relieved of responsibility for errors or omissions, in the Submittals.

.7 No portion of the Work requiring Owner Parties' approval of a Submittal shall be commenced until such Submittal has been approved. Approved Submittals will constitute the standard of quality, appearance, and assembly of all items represented by such Submittals.

4.7.3 Shop Drawings. Shop Drawings shall be submitted, shall be complete, clear, and easily readable, bearing the date of the original submission and of each subsequent resubmission, a title block with Project name and location, and a space for review stamps. All contents of each Shop Drawing shall include the manufacturer, fabricator, and installer, model numbers, schedule designation, and a reference to the Contract Documents requiring the Submittal. Shop Drawings shall be submitted for complete systems. Partial submissions will not be permitted without Owner Parties' prior written approval. Shop Drawings shall also include related work and equipment as appropriate for context and assembly.

4.7.4 Product Data. Product Data, brochures, illustrations, printed charts, schedules, and other such pre-prepared data shall be submitted plus one electronic copy. Such Submittals shall be clearly marked with the particular characteristics or model of the relevant products.

4.7.5 Samples. Upon request, Contractor shall promptly provide a detailed list of all Materials and their respective manufacturers proposed for installation, for Owner Parties' review and approval. The list shall be organized by the Specification section corresponding to each Material, and shall include the installers.

Contractor shall prepare and submit for Owner Parties' review and approval all Samples as required by the Contract Documents. If not otherwise specified, all Samples shall be large enough to clearly show all physical characteristics which have a bearing on selection and appearance and shall be submitted in triplicate. Each Sample transmittal document shall include the Project name and location, manufacturer, fabricator, and installer, model numbers, name, finish, and composition of the items, schedule designation, a reference to the Contract Document requiring the Submittal, and a space for review stamps. Upon approval, the Sample transmittal documents will indicate such approval and two samples will be returned to Contractor.

4.7.6 Purpose and Liability. Submittals are not Contract Documents. Their purpose is to demonstrate the way by which Contractor proposes to conform the Work to the information given and the design concept expressed in the Contract Documents. Owner Parties' review of Submittals is not conducted to determine the accuracy and completeness of other details such as dimensions and quantities, or for substantiating installation instructions, or performance requirements. Owner Parties' approval of a specific item shall not indicate approval of an assembly of which the item is a component.

4.8. Intellectual Property Costs. Contractor shall pay all royalties and license fees arising from the Work, and shall indemnify, defend, and hold harmless Owner from all intellectual property infringement claims arising from or pertaining to the Work, except for those claims concerning a particular design, process, or product selected by Owner Parties or required by the Contract Documents; provided, however, if Contractor has reason to believe that a design, process, or product infringes an intellectual property right, and fails to timely notify Owner Parties, Contractor shall be responsible for the same.

4.9. Permits; Fees. Unless specifically excluded from Contractor's scope in the Contract Documents, including but not limited to the Fee Matrix set forth in *Exhibit M*, Contractor shall obtain, manage, and pay for all Governmental Approvals that are customarily secured after signing the Agreement, that are legally required at the time the Contract Sum is agreed to, or that are necessary for the proper execution of the Work. Such Governmental Approvals also include, but are not limited to, Contractor's temporary obstructions, enclosures, and Work performed on or about public property other than the Site (e.g., opening of streets for pipes, utilities, environmental work) as required for the Project. Contractor shall give all requisite notices to Governmental Authorities having jurisdiction and shall bear all responsibility for violations of Applicable Laws pertaining to such Work. Nothing in this *Section* shall make Contractor responsible for permits relating to zoning or environmental impact fees.

4.10. Testing.

4.10.1 Contractor's Testing. Upon request, Contractor shall implement its checking and testing procedure at appropriate times during the Project to ensure that all systems, assemblies, and equipment are adequately tested and balanced. In doing so, Contractor shall make or obtain at the appropriate time and shall include in the Contract Sum, all tests, inspections, and approvals of the Work required by the Contract Documents and required by Applicable Laws. Unless otherwise approved or required, testing of the Work shall be conducted by an independent testing service acceptable to Owner Parties.

4.10.2 Notice and Results. Contractor shall give Owner Parties timely notice of when and where tests and inspections are to be conducted so that Owner Parties may be then present. Required certificates of testing, inspection, and approval shall, unless otherwise required by the Contract Documents, be secured by Contractor and promptly delivered to Owner Parties, with any warranties or assurances under such testing, assigned to Owner.

4.10.3 Owner Parties' Testing. If Owner Parties reserve the right to or request to test any Materials or any other portion or component of the Work, Contractor shall furnish samples of such Materials and make available the Work for such testing. Contractor shall cooperate with all such testing performed by others. If Owner Parties determine any Work requires special inspection or testing, Owner Parties may instruct Contractor to order such special inspection or testing. Contractor shall promptly do as ordered, and shall give to Owner Parties reasonable prior notice of the date and time of such special inspection or testing. Any testing performed or requested by or through Owner Parties shall not relieve Contractor of its responsibility to ensure the Work meets the Contract Documents' requirements.

4.10.4 Contractor's Expense. If any inspection or testing reveals Defective Work, or if Work is otherwise not approved by Governmental Authorities having jurisdiction, Contractor shall bear all costs associated with correction of such Work, including compensation for Owner Parties' additional services attributable to such failure.

4.11. Cutting and Patching. Contractor shall be responsible for coordinating all cutting, fitting, and patching of the Work to make its several parts come together properly and fit to receive other Work or the work of others. Contractor shall be responsible for restoring all cut, fitted, or patched surfaces to an original condition; provided, however, that if a different condition is specified in the Contract Documents, then Contractor shall be responsible for causing such surfaces to meet the conditions specified in the Contract Documents. Contractor shall not damage or endanger completed Work, the existing improvements, or the work of Owner's Separate Contractors. Contractor shall not cut or otherwise alter the work of Owner's Separate Contractor except with prior written consent and Contractor shall not unreasonably withhold from Owner's Separate Contractors consent to cutting or otherwise altering the Work.

4.12. Cleaning Up. At all times Contractor shall keep the Site free from accumulation of waste materials, rubbish, and debris. Contractor shall keep and maintain adequate on-Site refuse containers and dumpsters to collect and deposit daily excess construction debris. If Contractor fails to keep the Site in a

clean and orderly manner, Owner may, with reasonable prior written notice sufficient to provide Contractor an opportunity to cure, perform cleaning duties and charge their costs to Contractor by offset to any payments due under the Agreement.

In conducting its operations and when performing the Work, Contractor shall use its best efforts to prevent the release of dust and accumulation of mud at the Site. Prior to the dates of Substantial Completion and Final Completion, Contractor shall clean the Site and remove all debris, rubbish, and containers, and take away from the Site Contractor's tools, equipment, machinery, and those surplus Materials to which Owner has chosen not to take possession.

4.13. Project Close-Out.

4.13.1 Close-Out Plan. Contractor shall develop and deliver to Owner Parties a Close-Out plan at least thirty (30) Days before the date of Substantial Completion of the Project or a Deliverable Portion of Work, as applicable. Each Close-Out plan shall establish dates of: (i) Owner's partial and full occupancy of the Project or Deliverable Portion of Work, as applicable; (ii) all relevant Substantial and Final Completion inspections; (iii) expected issuance of all relevant temporary and permanent certificates of occupancy; (iv) equipment startup, balancing, testing, and training; (v) commencement and transfer to Owner of all utility accounts and charges and manufacturer and supplier warranties; (vi) transfer of spare parts and remaining Materials (of which Owner chooses to retain); and (vii) transfer of Record Documents as required.

4.13.2 As-Built Documents. As a condition of Final Completion, Contractor shall provide to Owner a complete set of As-Built Documents, in duplicate and in digital format. As-Built Documents shall depict the Project as constructed and shall reflect each change, modification, and deletion made during construction. As-Built Documents include all modifications to the Contract Documents unless otherwise directed.

4.13.3 Operation and Maintenance Manuals. Contractor shall prepare operation and maintenance manuals ("O & M Manuals") containing a complete set of: all Submittals; training information; a telephone list and contact information for all consultants, manufacturers, installers, and suppliers; manufacturers' printed data; approved relevant Shop Drawings; schematic diagrams of systems; appropriate equipment indices; and warranties and bonds. As a condition to Substantial Completion, Contractor shall submit two (2) completed O & M Manuals for Owner Parties' prior review and approval. Owner Parties will review and return one O & M Manual containing any modifications, adjustments, or additional information required. Owner Parties' receipt of one (1) electronic copy (Drawings in pdf and CADD file format) of the final approved O & M Manuals shall be a condition precedent to any payment thereafter due.

4.13.4 Training. As part of the Work, and prior to the date of Substantial Completion, Contractor shall schedule with Owner training sessions for all equipment and systems installed as part of the Work. Contractor shall schedule training sessions at least two (2) weeks in advance of the date of training to provide Owner adequate notice and time to coordinate. In addition to any off-site training required, training shall include a formal session conducted at the Project in the users' normal operating environment.

4.13.5 Excess Materials. Contractor shall provide to Owner spare parts, extra maintenance materials, and other Materials, as specified in the Contract Documents, upon Substantial Completion. Any additional Materials not required to be delivered to Owner under the Contract Documents (the "Spare Materials") shall be accounted for by Contractor and offered to Owner. If Owner refuses to accept all or part of the Spare Materials, Contractor shall credit Owner the fair market value of the unaccepted Spare Materials in the final Application for Payment and shall promptly remove them from the Site.

4.13.6 Contractor's Personnel On-Call. Upon request, during the first three (3) months following Substantial Completion and Owner's full occupancy of the Project or a Deliverable Portion of

Work, as applicable, Contractor shall have appropriate personnel on-call to deal with break-down, inoperability, or other issues with major systems of the Work in accordance with the on-call parameters set forth in *Exhibit* _____. If such problems arise at the conclusion of such three (3) month on-call period, all on-call personnel shall remain on-call until the issue proves to be resolved an additional period of not less than two (2) weeks.

4.13.7 **Other Responsibilities.** Contractor shall be responsible for returning to Owner all of Owner's property issued to Contractor during the term of the Project, including keys, security passes, and site admittance badges. Upon Owner's full occupancy of the Project or a Deliverable Portion of Work, as applicable, and in accordance with the Project's Close-Out plan, Contractor shall coordinate the transfer of all utility company accounts relating to the Project to the Owner.

4.14. **Right to Stop Work.** If Owner fails to pay to Contractor, within thirty (30) Days after due, any undisputed amount under the Contract Documents, Contractor shall have the right to stop Work after fifteen (15) Days' additional prior written notice to Owner, until Owner delivers to Contractor such overdue payment, with interest, if interest is required by the Contract Documents.

ARTICLE 5

SUBCONTRACTS

5.1. **Form and Content.**

5.1.1 **Form of Subcontract.** Upon request, Contractor shall submit to Owner Parties for prior review and approval the form of Subcontract. If Owner Parties disapprove such form, Contractor shall revise and resubmit to Owner Parties the form of Subcontract until approved. Owner Parties' review, comment upon, and approval of, any such form, shall not relieve Contractor of its obligations under this Agreement. Unless otherwise waived in writing by Owner, all Subcontracts shall be awarded on a fixed lump-sum price basis. Upon request, Contractor shall supply Owner Parties with copies of all fully-signed Subcontracts.

5.2. **Certain Terms of Subcontract.** In addition to Owner Parties' right to review Subcontracts in Section 5.1.1 above, certain terms shall be included in each Subcontract, as set forth below:

.1 Owner shall be a third-party beneficiary of each Subcontract and Owner's rights and remedies under each Subcontract shall be all those of Contractor, including the right to be compensated for any loss, expense, or damage incurred resulting from Subcontractor's breach of express or implied terms and Subcontractor's error, omission, or negligence in its performance;

.2 following advance written notice to Contractor, Owner Parties may contact Subcontractor, to discuss Subcontractor's services; provided, however, such contact with Subcontractor shall not be construed to be Owner Parties' instructions concerning performance of Work;

.3 each Subcontractor shall meet the insurance requirements set forth in these General Conditions, including, but not limited to, naming Owner as an additional insured on applicable liability policies;

.4 a "no damage for delay" clause as set forth in *Section 7.2.6* of these General Conditions;

.5 a payment clause that obligates Subcontractor to pay its Sub-subcontractors for Work satisfactory performed but unpaid within ten (10) Days of Contractor's payment to Subcontractor for such Work;

.6 Contractor's rights and duties under the Subcontract shall be assignable, for the same fixed lump-sum price, to Owner or Owner's designee upon Owner's written notice to Subcontractor and to Contractor;

.7 Subcontractor shall expressly consent to conditional assignment to Owner of its Subcontract and continued diligent performance of Work;

.8 Subcontractor shall promptly notify Owner of any Contractor default, whether under the Agreement, or its Subcontract;

.9 Contractor may terminate upon ten (10) Days prior written notice each Subcontract for a default or convenience identical in substance to Owner's right to terminate under *Section 13.2* of these General Conditions.

5.2.2 **Flow-Down.** Contractor shall require each Subcontractor and each Subcontractor shall require each Sub-subcontractor, to be bound by these General Conditions and any Supplemental General Conditions, and to assume toward Contractor and Subcontractor, as the case may be, all of the obligations and responsibilities the Contractor assumes toward the Owner, unless (i) the same are clearly inapplicable to the contract at issue because of legal requirements or industry practices, or (ii) Contractor requests specific exceptions that Owner approves in writing.

5.3. **Conditional Assignment.** Contractor hereby conditionally assigns to Owner its rights to all Subcontracts, subject to Contractor's sureties' rights, under their bonds. Owner may exercise, at its election, this assignment if Owner terminates the Agreement in whole or in part, or directly or indirectly takes control of all or any portion of the Work. In so doing, Owner may reassign the Subcontracts to any other Person or entity.

5.4. **Right to Review.** Owner has the right to review Subcontracts at any time during the Project and at any time during an audit period, if prescribed in the Contract Documents, after Final Completion. Contractor shall, within three (3) Days of receiving written request from Owner or Owner's agent, submit to the requesting party a complete copy of the requested Subcontract. If Owner's or Owner's agent's request to review a Subcontract can be interpreted to cover more than one Subcontract, Contractor shall submit complete copies of all Subcontracts relevant to the request.

5.5. **Conditions to Payment.** As a condition to Owner's performance, Contractor shall: (i) make payment promptly when due, and in no event greater than ten (10) Days after receiving payment from Owner, to all Persons supplying to Contractor services, labor, or Materials for prosecution of the Work; (ii) pay all contributions required by and amounts due the State Industrial Accident Fund incurred in performance of the Contract Documents; (iii) not permit any lien or bond claim to be filed or prosecuted against Owner or surety on account of any labor or Material furnished; (iv) not assign any claims or Claims that Contractor may have against Owner, nor assign any rights to payment from Owner, and will not make any agreement or act in any way to give Subcontractors standing to bring a claim or a Claim against Owner; (v) pay to the Department of Revenue all sums withheld from employees pursuant to ORS 316.167.

ARTICLE 6

PAYMENT

6.1. **Contract Sum.** A Contract Sum shall be subject to adjustment only when Owner so authorizes in writing.

6.2. **Sales and Use Tax.** As a condition precedent to commencement of the Work, Owner and Contractor shall agree upon a sales and use tax (collectively, "Taxes") applicability guideline. In the event Tax is chargeable to any portion of the Work, the Contract Sum shall include all such Tax unless directly paid by Owner. In the event Contractor pays such Tax directly, all invoices and Applications for Payment

that include Work subject to Tax shall clearly state “sales tax paid” and specifically identify such taxable Work. In the event Owner pays such Tax directly, the Contract Sum shall not include Tax and Owner shall provide to Contractor the necessary certificates evidencing the same.

6.3. Schedule of Values. Contractor shall submit to Owner Parties for approval, at least ten (10) Days prior to submission of its first Application for Payment, a Schedule of Values. Contractor shall revise and resubmit the Schedule of Values as necessary to meet Owner Parties’ approval. The Schedule of Values shall demonstrate reasonable, identifiable, and measurable components of the Work, as separate line items for each major item of Work, and Construction Contingency, among other items as Owner Parties may reasonably require, all of which shall be supported by data to substantiate its accuracy. The approved Schedule of Values, unless objected to by Owner Parties, shall be used as a basis for reviewing Contractor’s Applications for Payment. Once approved, Contractor’s requested changes to the Schedule of Values shall be subject to Owner Parties’ prior approval and supported by data to substantiate its accuracy.

6.4. Periodic Statements. Upon request from time to time, Contractor shall provide to Owner Parties a written summary of all outstanding, incomplete Work necessary to achieve Final Completion, and the total unpaid cost of that Work (a “Statement of Outstanding Work”). Each Statement of Outstanding Work shall contain sufficient information to allow Owner Parties to determine if the applicable Work can be completed for the Contract Sum and within the Contract Time. However, no such statement shall relieve Contractor of its obligations to complete the applicable Work for the Contract Sum and within the Contract Time.

6.5. Applications for Payment.

6.5.1 Supporting Documents. For each payment period established in the Agreement, Contractor shall submit to Owner Parties, an Application for Payment, together with: (i) an updated Progress Report; (ii) a schedule of the percentages of the various parts of the Work completed, based on the Schedule of Values; (iii) Contractor’s and Subcontractors’ payroll certifications pursuant to *Section 1.5.4* of these General Conditions; (iv) up to date Project Schedule, Design Schedule, and Construction Schedule; and (v) other supporting documentation as required by the Specifications and the Agreement (collectively, the “Supporting Documents”).

6.5.2 Accuracy of Application. Applications for Payment shall be accurate and based upon estimates of Work completed in accordance with the Schedule of Values. Each Application for Payment shall include, on the face of each copy, Contractor’s statement in substantially the following form, dated and bearing Contractor’s signature:

“I, the undersigned, hereby certify that the above Application for Payment is true and correct, and payment for the same, has not yet been received.”

Owner Parties may reject any improper or incomplete Application for Payment until Contractor corrects and resubmits the same. However, Owner Parties reserve the right, instead of requiring Contractor to correct or resubmit a defective or improper Application for Payment, to reject the defective or improper portion of such Application for Payment and pay the remainder of such amounts that are proper and correct.

6.5.3 Stored Materials. Unless otherwise provided in the Contract Documents, Owner shall make payments on account of Materials not incorporated in the Work but delivered and suitably stored at the Site. If approved by Owner in advance, Owner may similarly make payments for Materials suitably stored at a location other than the Site, if agreed upon in writing. As a condition precedent to Owner’s payments for Materials stored on or off the Site, Contractor shall submit with its Applications for Payment that include such Materials, photographs of Materials and evidence (e.g., bills of sale), satisfactory to Owner to establish Owner’s title to or otherwise protect Owner’s interest in, the same.

.1 Contractor shall include with its Applications for Payment that include Materials stored off-Site, costs and evidence of applicable insurance, storage, and transportation to the Site. Owner Parties shall have the right to access, remove, and inspect, at any time during the Project, Materials stored off-Site for which Owner has paid.

.2 In consideration of Contractor's ability to store certain Materials off-Site, Contractor waives and releases any Claims it may have against Owner, either directly or through Contractor's insurer, for damage to or loss of, such Materials not stored at the Site.

.3 Contractor shall name Owner as additional named insured on the insurance policy covering the full value of the property while in the care and custody of the Contractor until installed in the Project. A certificate noting this coverage shall be issued to Owner.

6.5.4 Failure to Pay Subcontractors and Suppliers. Applications for Payment shall not include requests for payment of Work for which Contractor does not intend to pay a Subcontractor or Supplier assigned to such Work, unless Contractor intends to pay others who actually performed such Work.

6.5.5 Title to Instruments of Service and Work. Contractor warrants that title to all Instruments of Service and Work covered by each Application for Payment will pass to Owner no later than the time of payment on account of such Application for Payment. Contractor further warrants that upon submittal of each Application for Payment, all Work for which payments have been received shall be free and clear of all liens, bond claims, Claims, security interests, and other encumbrances arising from or relating to the Work. This *Section* shall not relieve Contractor of: (i) its sole responsibility for all Work, (ii) any obligation to restore damaged Work, or (iii) its requirement to fulfill all the terms of the Contract Documents, including, but not limiting, correction of any Defective Work. However, until Owner takes occupancy of all or any portion of the Project, as the case may be, all Work and Materials shall continue to be in the care and custody of Contractor, who shall bear the risk of loss for the same except to the extent insured pursuant to *Article 8*. The provisions of this *Section* concerning title to Work for which Owner makes payment shall not constitute an acceptance of the Work, except as otherwise set forth in the Contract Documents.

6.5.6 Incorrect Applications for Payment. If an Application for Payment is incorrect, lacks the required Supporting Documents set forth in *Section 6.5* of these General Conditions, or when there is a good faith dispute concerning the Work for which it is submitted, Owner Parties shall endeavor to notify Contractor within fifteen (15) Days of its receipt of such Application for Payment, stating the reasons it is rejected. If Contractor corrects the rejected Application for Payment within seven (7) Days of Owner Parties' notification to Contractor, payments due shall be made in accordance with *Section 6.7* below.

6.6. Certificate for Payment. Owner Parties will review each Application for Payment and either: (i) issue to Owner a Certificate for Payment indicating Contractor is due the amount set forth in such Application for Payment; (ii) issue to Owner a Certificate for Payment indicating Contractor is due an amount less than as requested, in which case the Certificate shall state the amount due, or (iii) notify Owner in writing of reasons to withhold payment. In the event Owner Parties determine Contractor is not entitled to the amount requested in an Application for Payment, Owner Parties shall forward to Contractor the reasons for withholding all or a portion of the payment requested. In the event Contractor disputes amounts withheld, Contractor shall have a Claim for such amounts.

Owner Parties' issuance of a Certificate for Payment constitutes a representation to Owner that, based on Owner Parties' Site observations and the data comprising the Application for Payment, the Work has progressed to the point indicated in Contractor's Application for Payment, that, to the best of Owner Parties' knowledge, information, and belief, the quality of the Work is in accordance with the Contract Documents, and that Contractor is entitled to payment in the certified amount.

6.7. Progress Payments. Provided no liens or bond claims related to the Work have been filed against the Project after Owner Parties issue a Certificate for Payment, and provided no Governmental Authorities have raised objections to the Work, Owner shall make payment to Contractor in the manner set forth in the Agreement. Upon its receipt of Owner's payment, Contractor shall promptly and within ten (10) Days, pay each Subcontractor the amount to which it is entitled, on account of such Subcontractor's Work, and each Subcontractor shall promptly pay its Sub-subcontractors and Suppliers in similar fashion. Owner Parties shall not, however, have any obligation to see that monies due to any Subcontractor are so paid, except as may otherwise be required by law.

6.7.1 Payment Not Acceptance. Owner's progress payments, partial payments, final payment, and Owner's use or occupancy of all or a part the Project, shall not constitute an acceptance of any Defective Work.

6.7.2 EFT Payments. Owner, upon written notice to the Contractor, may elect to make payments to Contractor by means of Electronic Funds Transfers (EFT) through automated clearinghouse payments. If Owner makes this election, Contractor shall make the necessary arrangements to receive such EFT payments.

6.7.3 Payment Directly to Subcontractors. Unless Contractor advises Owner of a good faith dispute concerning payment due to a Subcontractor or Supplier, Owner may make payments directly or jointly to Subcontractors and to Suppliers who seek payment for work included in an Application for Payment. Contractor shall credit against the Contract Sum such amounts that Owner directly pays. However, Owner's direct payments to Subcontractors or Suppliers shall not relieve Contractor or Contractor's surety from their obligations to payment claims or demands.

6.7.4 Retainage. Owner will not retain an amount in excess of five percent (5%) of that portion paid for Work completed. If Contractor has performed at least fifty percent (50%) of the Work of a Deliverable Portion of Work and is progressing satisfactorily, upon the Contractor's submission of written application containing the surety's written approval, Owner Parties may, in their sole discretion, reduce or eliminate retainage on any remaining progress payments for that Work. Owner Parties will respond in writing to all such applications within a reasonable time. Upon Contractor's written recommendation to Owner Parties, which shall necessarily include applicable sureties' written approval, Owner will consider early release of retainage for Subcontractors whose Work is completed prior to Substantial Completion of all applicable Work; provided, however, the final decision whether to release such retainage shall be in Owner's sole discretion and Contractor shall promptly pay the same to the appropriate Subcontractor. When the Work of a Deliverable Portion of Work is ninety-seven and one-half percent (97.5%) completed, Owner Parties may, in their sole discretion and without application by the Contractor, reduce the retainage amount to one hundred percent (100%) of the remaining unpaid Contract Sum. Owner Parties may at any time reinstate retainage. Retainage will be included in the final payment under the Contract Documents.

If the Contract Sum exceeds one million dollars (\$1,000,000), Contractor may request retainage be deposited in an interest-bearing account at a financial institution upon which Owner and Contractor agree. Title to such retainage funds will remain in the Owner until the applicable Work is complete and accepted. Interest on deposited retainage, less the financial institution's fees necessary to open and maintain the account, shall accrue to the benefit of the Contractor but remain in the retainage account until the Owner accepts all Work.

6.7.5 Subcontractor Retainage. Unless Owner gives prior approval, Contractor's payments to Subcontractors and Suppliers shall be subject to retainage of five percent (5%).

6.7.6 Retainage Alternatives. In lieu of cash retainage as set forth above, Contractor may substitute one of the following:

.1 *Deposit of Securities.* Contractor may deposit bonds or securities with Owner or in any bank or trust company approved by Owner, as retainage. In any event, all such

bonds and securities shall be held for Owner's benefit. Bonds and securities deposited or acquired in lieu of cash as retainage will be of a character approved by Owner, including: (i) bills, certificates, notes, or bonds of the United States; (ii) other obligations of the United States or its agencies; (iii) obligations of any corporation wholly owned by the United States federal government; or (iv) indebtedness of the Federal National Mortgage Association.

If Contractor deposits bonds or securities in lieu of cash as retainage, the cash value of such bonds or securities will reduce the cash retainage by an equal amount, and Owner shall reimburse Contractor the excess cash retainage. Following Final Completion, after Owner determines all requirements for the protection of its interests have been fulfilled, Owner will release to the Contractor all bonds and securities deposited in lieu of cash as retainage.

.2 *Deposit of Surety Bond.* Owner may, in a form acceptable to it and in its sole discretion, allow Contractor to deposit with Owner a surety bond as retainage in lieu of all or a portion of cash retainage or to be retainage for the Project. A Contractor depositing such a surety bond shall also accept surety bonds from Subcontractors and Suppliers in lieu of cash as retainage. If Contractor deposits a surety bond as retainage, the value of such bond will reduce the cash retainage by an equal amount, and Owner shall reimburse Contractor the excess cash retainage.

6.7.7 Retainage Handling Costs. Owner shall have the right to recover from Contractor by reduction to the final payment, its costs for handling cash retainage and securities.

6.7.8 Release of Retainage. Owner's release of retainage shall not constitute acceptance of Work that fails to conform to the Contract Documents.

6.8. Right to Withhold Payment. Notwithstanding any provision of the Contract Documents to the contrary, Owner shall have the right to withhold payment to Contractor as necessary to protect itself if, after written notice and reasonable opportunity to cure: (i) Contractor is in default of any of its Contract Documents obligations; (ii) Owner reasonably believes any part of a payment due is attributable to Work that fails to conform to the Contract Documents' requirements, except that Owner shall make payment attributable to Work that does conform to the Contract Documents' requirements; (iii) Contractor causes damage to the Work, Owner, or Owner's Separate Contractors; (iv) Contractor fails to timely make payments due and owing to Subcontractors or Suppliers who contributed to Work for which Owner has paid Contractor and for which Contractor has given to Owner no notice of its good faith dispute concerning the unpaid Subcontractor or Supplier; (v) reasonable doubt that Contractor can complete the Work in accordance with the Contract Documents, including the Construction Schedule; (vi) Owner determines, based on a Statement of Outstanding Work or otherwise, that the Work of a Deliverable Portion of Work cannot be completed for the Contract Sum unless and until Contractor furnishes a reasonable and satisfactory statement and plan showing and certifying that the Work can be completed for the Contract Sum, or Contractor, at no cost to Owner, causes a sufficient portion of the applicable Work to be performed such that the unpaid portion of the Contract Sum is reasonably sufficient to complete the Work; (vii) reasonable evidence that the Work of a Deliverable Portion of Work will not be completed within the Contract Time, and the unpaid Contract Sum balance will not be adequate to cover Owner's damages for the Delay; (viii) entitlement to offset for assessment of Liquidated Damages; (ix) reasonable evidence of probable third party claims, unless Contractor furnishes to Owner acceptable security.

6.8.1 Obligation to Reduce Payment. Notwithstanding any provision of the Contract Documents to the contrary, Owner is legally obligated to and will reduce payment to Contractor when Contractor does not meet the applicable requirements of Section 4.4.5 of the Agreement which reflects the requirements of ORS 279C.533(2) and (3). The amount of reduction will be equivalent to the difference between the total number of work hours that apprentices in apprenticeable occupations should have performed on the Project to meet the requirements of ORS 279C.533(2) (including work performed

by subcontractors), less the total number of work hours that apprentices in apprenticeable occupations actually performed on the Project multiplied by \$15 per hour. Owner shall pay the amount of the reduction to the State Treasury to the credit of the Bureau of Labor and Industries Account established under ORS 651.160.

6.9. Completion Milestones.

6.9.1 Substantial Completion. When Contractor considers a Deliverable Portion of Work Substantially Complete, Contractor shall prepare for Owner Parties' review and approval a comprehensive list of incomplete and unsatisfactory items. Owner Parties will edit and supplement this list, as appropriate, and when approved the list shall be the Punch List for such Deliverable Portion of Work. Contractor and Owner Parties shall also, at the same time they develop the first Punch List, establish a schedule (the "Punch List Schedule") setting forth anticipated dates for Owner Parties' inspections of all anticipated Deliverable Portions of Work to determine Substantial Completion and Final Completion of the same.

.1 Notwithstanding anything to the contrary contained in the Contract Documents, a Deliverable Portion of Work with systems - e.g., mechanical, electrical, HVAC - shall not be considered Substantially Complete until it has demonstrated a minimum of thirty (30) consecutive Days of successful, trouble-free operation, beginning after all inspections and testing have been completed for such Deliverable Portion of Work.

.2 Once a Punch List and Punch List Schedule are mutually accepted, Owner Parties will inspect the Project to determine if each Deliverable Portion of Work is Substantially Complete. During inspection, if Owner Parties determine any incomplete or incorrect item, whether or not included on the Punch List, causes the Deliverable Portion of Work to fail to be Substantially Complete, Contractor shall be given notice and shall promptly correct such item. Following completion of all incomplete items, Contractor shall request that Owner Parties' re-inspect the Deliverable Portion of Work to again determine if it is Substantially Complete. When Owner Parties determine a Deliverable Portion of Work is Substantially Complete, Owner Parties will prepare a certificate (a "Certificate of Substantial Completion") that will establish the date of Substantial Completion of that Deliverable Portion of Work, fix the time within which Contractor shall complete and correct items noted in that Certificate of Substantial Completion, and designate the responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, and insurance pertaining to such Deliverable Portion of Work.

.3 Upon receipt of a Certificate of Substantial Completion, Contractor shall diligently complete all items of incomplete Work and repair all Defective Work, including those identified in the applicable Punch List and Certificate of Substantial Completion. However, failure by any party to include an item on the Punch List or in the Certificate of Substantial Completion shall not alter Contractor's responsibility to complete all Work in accordance with the Contract Documents.

.4 In accordance with the Punch List Schedule, Owner Parties anticipate they will make an initial visit and one re-inspection for each of Contractor's Deliverable Portions of Work. If, after making a re-inspection, Owner Parties determine a Deliverable Portion of Work is not Substantially Complete or that previously scheduled Punch List Work has not been completed, Contractor shall pay, without Owner's reimbursement, Owner Parties' costs and expenses resulting from additional inspections necessary for Owner Parties to issue Certificates of Substantial Completion.

6.9.2 Payment Upon Substantial Completion. When Owner Parties issue a Certificate of Substantial Completion and Contractor submits an applicable Application for Payment, Owner shall make payment to Contractor, reflecting adjustment in retainage, if any, as provided in the Contract

Documents. However, Owner shall not release retainage to Contractor that will result in Owner holding total retainage less than twice the amount that Owner Parties determine necessary to complete and correct all items on an applicable Punch List.

6.9.3 Commencement of Warranties. Applicable warranties required by the Contract Documents shall commence on the date of Substantial Completion of each Deliverable Portion of Work unless otherwise set forth in a Certificate of Substantial Completion. Contractor will collect all written guaranties, warranties, and equipment manuals, and deliver them to Owner upon Substantial Completion of each Deliverable Portion of Work.

6.9.4 Delay. After Owner Parties issue a Certificate of Substantial Completion for a Deliverable Portion of Work, if Final Completion of that Deliverable Portion of Work is subject to material Delay through no fault of Contractor or by the issuance of Change Orders affecting Final Completion of that Deliverable Portion of Work, Contractor shall be entitled to the balance due for that Deliverable Portion of Work fully completed, accepted, and certified as complete by Owner Parties. However, if the balance of the Contract Sum for Work not fully completed or corrected is less than the retainage then held by the Owner and bonds have been furnished for the Project, Contractor shall forward to Owner Parties the written consent of Contractor's surety to the payment of the balance due for Work fully completed and accepted. Any such payment shall not constitute a waiver of Owner's Claims.

6.9.5 Final Completion. Following (a) issuance of a Certificate of Substantial Completion for a Deliverable Portion of Work and (b) Contractor's completion of all Work of that Deliverable Portion of Work, including the applicable Punch List, but not more than forty-five (45) Days after Substantial Completion, Contractor shall forward to Owner Parties written notice that the applicable Work is ready for inspection together with a final Application for Payment for such Work. Upon receipt, Owner Parties will promptly inspect the subject Work and, when Owner Parties determine the Deliverable Portion of Work meets the Contract Documents' requirements, will issue a Certificate for Payment approving final payment due Contractor for the applicable Work.

.1 Owner Parties' approval of a final payment represents that, to the best of Owner Parties' knowledge, information, and belief, and on the basis of observations and inspections, the Work subject to final review and payment has been completed in accordance with the terms and conditions of the Contract Documents, the conditions precedent to Contractor's entitlement to final payment for the Deliverable Portion of work are met, and the entire balance noted in the applicable Certificate for Payment is due and payable to Contractor.

.2 As part of Contractor's notice to Owner Parties of Final Completion, or as a separate written notice submitted with or before the notice of Final Completion, and as a condition precedent to Owner's obligation to make final payment, Contractor shall furnish Owner Parties with written confirmation that all environmental and pollution clean-up, remediation, and closure have been completed in accordance with all Applicable Laws. Contractor shall provide to Owner Parties all documentation related to the same, including directives, orders, letters, certificates, and permits. Contractor's notice shall further reaffirm its grant to Owner of indemnification given under *Section 9.5.3* of these General Conditions.

6.9.6 Payment Upon Final Completion. The final payment requirements of this *Section 6.9.6* shall apply to the Project and to Deliverable Portions of Work, as applicable and as set forth in the Contract Documents. Final payment, including release of all retainage, shall not be due until Final Completion of the Project of the Deliverable Portion of Work, as applicable, and until Contractor has timely furnished to Owner Parties: (i) an affidavit stating that to Contractor's best knowledge, information, and belief, all payrolls, bills for Materials, and other indebtedness connected with such Work (less amounts withheld by Owner) have been satisfied; (ii) payroll certifications pursuant to *Section 1.5.4* of these General Conditions (iii) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is and will remain in effect and will not be canceled or

expire without at least thirty (30) Days' prior written notice to Owner; (iv) Contractor's written statement that it knows of no reason all required insurance will not be renewable to cover the period required by the Contract Documents; (v) all warranties and guaranties required by the Contract Documents; (vi) three reproducible copies and an electronic copy of Record Documents; (vii) surety's consent to final payment; (viii) applicable Certified Diverse Business Reports; (ix) final affidavits and releases of liens and bond claims, as well as satisfactions for liens and bond claims filed on account of the Work of the Deliverable Portion of Work and such other affidavits, waivers, and releases as Owner may reasonably require in order to assure lien and claim-free completion of such Work; and (x) if Owner requires, other data establishing payment or satisfaction of obligations, such as receipts, releases and waivers of liens, claims, Claims, security interests or encumbrances arising out of the Deliverable Portion of Work, to the extent and in such form as may be reasonably designated by Owner. If any such lien or bond claim remains unsatisfied after final payment, Contractor shall immediately refund to Owner all monies that the latter may be compelled to pay in discharging such lien or bond claim, including all costs and reasonable attorney fees.

.1 Contractor's acceptance of final payment shall constitute a waiver of all Claims applicable to the Deliverable Portion of Work for which such final payment is made by Contractor, Subcontractors, Sub-Subcontractors, Suppliers and all other Persons delivering services, labor, or Materials to the Project, except those previously made in writing and identified by Contractor as unsettled, at the time of the applicable final Application for Payment.

.2 Owner's final payment shall not extinguish, satisfy, or waive any of the Contract Documents' obligations or procedures.

6.9.7 Final Inspection. On or about a date eleven (11) months after Substantial Completion of a Deliverable Portion of Work, Contractor shall, together with Owner Parties, attend a final inspection of the Work to ensure that it comports with all warranties and guarantees. Contractor shall promptly correct any deficiencies noted during such inspection.

6.10. No Liens; No Bond Claims. Contractor shall permit neither the Project nor any of the Work from incurring any claim, bond claim, lien, charge, or encumbrance. Contractor shall, after first receiving notice of any such claim, bond claim, lien, charge, or encumbrance, immediately pay and discharge of record the same.

ARTICLE 7

TIME

7.1. Progress and Completion. All time limits stated in the Contract Documents are of the essence of the agreement between Owner and Contractor. Contractor shall begin each phase of the Project, where applicable, in accordance with the Project Schedule and shall commence the Work on the dates set forth in the applicable Design and Construction Schedules. Contractor shall carry out the Work expeditiously, with adequate forces, and shall achieve Substantial Completion in accordance with the Project's milestones, the Construction Schedule, and within the Contract Time.

7.1.1 Periodic Statements. At Owner's request, from time to time, Contractor and Owner Parties shall each provide a written statement setting forth the date on which each reasonably believes each Deliverable Portion of Work will be Substantially Complete. However, no such statement shall relieve Contractor of its obligations to complete the Work in accordance with the Contract Documents.

7.1.2 Acceleration Upon Default. If, in Owner Parties' reasonable judgment, Contractor: (i) fails to supply a sufficient number of qualified workers or Materials to prevent Delay; (ii) fails in any way to prosecute the Work or proceed in accordance with the Design or Construction Schedules, or (iii) fails to meet the material covenants of the Contract Documents, Owner shall have the

right to direct Contractor to accelerate completion of the Work without adjustment to the Contract Sum and until such time as the amount and timing of the completed Work complies with the applicable schedules. Owner's right to compel acceleration includes demanding Contractor provide additional labor or expedited deliveries of Materials, and perform overtime, additional shifts, or re-sequencing the Work. Costs of such acceleration may be funded, with Owner's prior written approval, from any available Construction Contingency, if not recoverable from Subcontractors. Owner's right to demand acceleration under this *Section* shall not limit other rights and remedies Owner may have.

7.2. Delays and Extension of Time.

7.2.1 Delays Generally. Contractor shall be granted an extension of time for each Unavoidable Delay (defined below) in accordance with *Section 7.2.4* below. Contractor shall not be granted an extension of time for any Avoidable Delay (also defined below).

7.2.2 Force Majeure. "Force Majeure" shall mean an act, event, or occurrence caused by fire, riot, war, acts of God, tornado, hurricane, named storms, flood, earthquake, explosion, public enemy, civil disturbance, embargo, unusual and abnormal severe and adverse weather, or any other act, event or occurrence that is beyond the reasonable expectation or control of the party who is asserting an inability to conform to Contract Documents' requirements. Unusually and abnormal severe and adverse weather shall not include weather events that could be reasonably anticipated from the previous 10-year historical records of the general locality of the Site. Such historical records shall be from the Office of the Environmental Data Service of the National Oceanic and Atmospheric Administration of the U.S. Department of Commerce nearest the Site. However, notwithstanding such historical records, (a) daily rainfall greater than one-half (1/2) inch during a month when the monthly rainfall exceeds the normal monthly average by at least twenty-five percent (25%) or (b) daily rainfall greater than three (3) inches, cannot be reasonably anticipated.

7.2.3 Avoidable Delays. An "Avoidable Delay" is any Delay other than an Unavoidable Delay, and those Unavoidable Delays that could have been avoided, because: (i) Contractor, Sub-contractors, or Sub-subcontractors failed to exercise care, prudence, foresight, or diligence; (ii) such Delay only affects a portion of Work that does not necessarily interfere with prosecution of other parts of the Work; (iii) such Delay does not impact the Project's critical path; or (iv) such Delay results from Owner's Separate Contractors' work that does not necessarily prevent the timely completion of all Work.

7.2.4 Unavoidable Delays. An "Unavoidable Delay" is any Delay that is not due to the direct or indirect fault of Contractor, Subcontractor, Sub-subcontractors, Suppliers, or any of their respective agents, employees, or contractors, and that affects the Project's critical path. Unavoidable Delays include: (i) Delays caused by Owner and Owner's employees and agents, or by Owner's Separate Contractors; (ii) Delays caused by Force Majeure that in fact adversely impact the Project in a manner that could not have been avoided by rescheduling or by implementing protective measures; (iii) Delays caused by any differing Site conditions in accordance with *Section 10.3.4* of these General Conditions.

If Contractor's delivery of services or performance of the Work is impacted by an Unavoidable Delay, Contractor's sole remedy shall be an equitable extension to time and a Claim for documented increases to on-Site general conditions costs; provided, however, in each instance Contractor must first meet the notice provisions and other conditions of the Contract Documents, including *Section 12.1* of these General Conditions. Notwithstanding the foregoing, Contractor shall not be granted relief: (i) due to Contractor's financial inability to perform; (ii) unless a Delay is an Unavoidable Delay and affects the Project's or phase's critical path as set forth in the applicable Construction Schedule, and then only to the extent such critical path is affected; or (iii) if a Delay would have resulted because of Contractor's concurrent Avoidable Delay, notwithstanding the existence of an Unavoidable Delay.

7.2.5 Mitigation Required. Contractor shall use best efforts to remove, relieve, minimize, and mitigate the effect of all Delays, no matter the cause.

7.2.6 RESERVED

7.3. Owner-Caused Schedule Changes. Contractor acknowledges and agrees as the Project progresses, as is customary among projects of this size and complexity, Owner may make changes to, and Contractor shall subsequently update, the Project Schedule. Contractor shall cooperate with and advise Owner Parties of potential outcomes of such changes including their impact on the Design and Construction Schedules. If Owner subsequently approves any such change, Contractor will have a Claim, but only if the approved change impacts the critical path of the applicable Construction Schedule.

7.4. Phased Construction.

7.4.1 Phases. Contractor acknowledges and agrees the Project will progress in phases, in accordance with the Project Schedule. Contractor shall prepare, for Owner Parties' review and approval, a separate Construction Schedule, for each phase. Each phase shall commence upon Owner Parties' issuance of a Notice to Proceed for such phase and shall achieve Substantial Completion by the milestone dates set forth in the Contract Documents, including the Construction Schedule.

7.4.2 Contract Sums. Owner may choose to establish separate Contract Sums for each phase of the Project and, if so, Contractor shall cooperate to prepare and timely deliver to Owner when due such Contract Sums as set forth in the Project Schedule.

7.4.3 Fast-Track Methods. Contractor represents to Owner that it has experience and expertise in fast-track construction and management practices. As such, Contractor acknowledges, agrees, and will actively participate in project planning, that may necessitate preparation, issuance, and analysis of a number of bid packages in excess of that which is ordinarily required in non-fast-track construction projects.

7.4.4 Waiver of Claims. In consideration of the foregoing, Contractor hereby waives all rights and remedies it may have at law or in equity to extra compensation or damages of any kind, and to extensions to the Project, Design, and Construction Schedules, due in any way to performance or planning of the Work on a fast-track basis.

ARTICLE 8

INDEMNITY; INSURANCE; BONDS

8.1. Contractor Responsibility. Contractor shall be responsible for all damage to property, injury to persons, and loss, expense, inconvenience, and delay caused by, or resulting from, performing its services and carrying out the Work. "Indemnitees" as used in this *Article 8* shall mean Owner Parties, [Owner's lenders], [] [Discussion point – bonding/finance issues?], and their respective officers, board members, shareholders, members, partners, directors, affiliates, agents, assigns, attorneys, and employees.

8.2. Indemnification.

8.2.1 General Indemnity. **TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR SHALL INDEMNIFY, DEFEND, AND HOLD HARMLESS, THE INDEMNITEES, FROM ALL LIABILITIES, DAMAGES, LOSSES, EXPENSES, AND COSTS, INCLUDING REASONABLE ATTORNEY FEES AT BOTH THE TRIAL AND APPELLATE LEVELS, (COLLECTIVELY, "LOSSES") AND CLAIMS OF LOSSES, INCLUDING DUE TO BODILY INJURY, DISEASE, DEATH, OR PROPERTY DAMAGE (BUT EXCLUDING DAMAGE TO THE WORK ITSELF TO THE EXTENT COVERED BY BUILDERS RISK INSURANCE), MADE BY ANY THIRD PARTY, THAT IN ANY WAY ARISE OR RESULT FROM: (I) THE WORK; (II) CONTRACTOR'S ACTIVITIES OR THE ACTIVITIES OF ITS SUBCONTRACTORS, SUB-SUBCONTRACTORS, SUPPLIERS, OR OTHER PERSONS PERFORMING WORK; (III) OPERATIONS AT THE SITE; OR (IV) VIOLATION OF ANY**

APPLICABLE LAWS. THE FOREGOING INDEMNITY SHALL BE THE “CONTRACTOR’S GENERAL INDEMNIFICATION.”

TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR’S GENERAL INDEMNIFICATION SHALL INCLUDE LOSSES FOUNDED IN WHOLE OR IN PART ON THE ALLEGED NEGLIGENCE OR MISCONDUCT OF ANY OF THE INDEMNITEES; PROVIDED, HOWEVER, TO THE EXTENT THAT THE NEGLIGENCE OR MISCONDUCT OF THE INDEMNITEES IS ADJUDGED OR STIPULATED TO BE THE CAUSE OF THE LOSSES, THE INDEMNITEES SHALL BEAR ITS ADJUDGED OR STIPULATED PROPORTIONAL SHARE OF THOSE LOSSES AND SHALL PROMPTLY REIMBURSE CONTRACTOR FOR THEIR PROPORTIONAL SHARE OF THE COSTS AND EXPENSES OF DEFENSE.

8.2.2 Special Indemnity. TO THE FULLEST EXTENT PERMITTED BY LAW AND SUBJECT TO THE STANDARD OF CARE, CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE INDEMNITEES FROM ALL LOSSES AND CLAIMS OF LOSSES DUE TO CONTRACTOR’S MISCONDUCT, NEGLIGENCE, ERROR, OR OMISSION, MADE BY ANY THIRD PARTY, THAT IN ANY WAY ARISE OR RESULT FROM CONTRACTOR’S PROFESSIONAL SERVICES, INCLUDING CLAIMS OF PROFESSIONAL LIABILITY AND VIOLATION OF APPLICABLE LAWS. THE FOREGOING INDEMNITY SHALL BE THE “CONTRACTOR’S SPECIAL INDEMNIFICATION.”

8.2.3 Liens; Bond Claims. Contractor shall further indemnify, defend, and hold harmless, the Indemnitees, from all Losses and claims of Losses arising or resulting from liens and bonds of any kind asserted against the Project (individually, a “Payment Claim”), Project phase, or any part thereof, by any of Contractor’s Subcontractors, Sub-subcontractors, Suppliers, and other Persons contributing to the Work, except for Payment Claims properly filed due to Owner’s wrongful failure to make payments to Contractor.

8.2.4 Indemnitees’ Control of Defense. Contractor’s obligations in the Contract Documents to defend Indemnitees shall be performed by counsel approved by such Indemnitees, in their reasonable discretion. Indemnitees shall have the right to participate in direction of their defense and shall have the ultimate authority whether to settle any claim that may require any payment or admission of liability.

8.2.5 No Limitation. Contractor’s indemnification obligations shall not be restricted by any limitation on the amount of damages, compensation, or benefits, payable by or for Contractor under applicable workers’ compensation acts, disability benefit acts, or other employee benefits acts. Contractor expressly waives its immunity from suit from Owner under applicable workers’ compensation acts, disability benefit acts, and other employee benefits acts.

8.2.6 Costs of Enforcement. Contractor shall reimburse all costs and expenses incurred by the Indemnitees to enforce Contractor’s indemnification duties in the Contract Documents.

8.3. Insurance.

8.3.1 Contractor’s Requisite Insurance. Contractor shall furnish and keep in force, and shall cause each Subcontractor to furnish and keep in force, the insurance required in *Exhibit N*. Contractor shall further furnish, keep in force, and file certificates evidencing coverage, such additional insurance required by Governmental Authorities having jurisdiction over the Work. To the fullest extent permitted by law, all such insurance requirements: (i) are minimum requirements intended to benefit the Indemnitees; (ii) will not be interpreted to limit Contractor’s liability under the Contract Documents; and (iii) are independent of Contractor’s other obligations under the Contract Documents. Contractor’s failure to furnish, or failure to require Subcontractors to furnish, and Owner’s failure to enforce, the Contract Documents’ required insurance, certificates, or endorsements, shall not waive the Contract Documents’ requirements.

8.3.2 Subcontractor Default Insurance. Contractor may maintain Subcontractor default insurance and Owner shall have the right to accept or reject such insurance in Owner's sole discretion.

8.3.3 Owner-Controlled Insurance Program. Owner may furnish for the benefit of the Project, the Site, and all Persons performing Work, Workers' Compensation, General Liability, Excess Liability, Installation Floater, Pollution Liability insurance, and [] through an Owner-Controlled Insurance Program (an "OCIP"), subject to the coverages and according to the limits set forth in *Exhibit N*. Contractor and Subcontractors shall furnish and keep in force all other insurance required of them in *Exhibit N*. All Persons covered by the OCIP shall comply with the administrative and reporting requirements set forth in *Exhibit N*.

8.3.4 Owner's Protective Professional Indemnity Insurance. [Note: Owner may consider procuring an OPPI policy to cover design errors and omissions, especially if Owner is delivering detailed Project Criteria, etc.]

8.3.5 Contractor-Controlled Insurance Program. In the event Contractor provides any of the insurance required by the Contract Documents through a Contractor-Controlled Insurance Program (a "CCIP"), Contractor shall deliver to Owner for review and approval a written description of the material features of the CCIP, including carriers, coverages, policy limits, and deductibles. [Optional Section – discussion point]

8.3.6 Notice Required. If the total of any potential claims against Contractor or any of its Subcontractors exceeds more than fifty percent (50%) of the available respective insurance coverage carried by Contractor or its Subcontractor, Contractor shall give to Owner prompt written notice. Thereafter, Owner shall have the right to require Contractor or Subcontractor, as the case may be, to increase its coverage in an amount Owner reasonably requires.

8.3.7 Evidence of Renewal. Not less than thirty (30) Days prior to the expiration of any insurance required by the Contract Documents due to its normal expiration or renewal date, Contractor shall furnish Owner with updated certificates of insurance and other necessary documentation, to clearly evidence continuation of all requisite coverage.

8.4. Bonds

8.4.1 Contractor's Bonds. When a Contract Sum is One Hundred Thousand and 00/100 Dollars (\$100,000) or more, or Fifty Thousand and 00/100 Dollars (\$50,000) or more when the Project includes highways, bridges, and other transportation projects, Contractor shall furnish and keep in effect at all times while the Contract Documents are in effect (a) a performance bond in sum equal to the Contract Sum and (b) a payment bond in sum equal to the Contract Sum. Notwithstanding the dollar thresholds state in this *Section*, Contractor shall furnish performance and payment bonds if otherwise required by the Contract Documents and in the amounts set forth in the Contract Documents. Any requisite performance bond shall cover all warranties and guarantees required by the Contract Documents.

8.4.2 Subcontractor Bonds. Owner and Contractor shall agree in writing to the bonding strategy and requirements of Subcontractors prior to any contracts pertaining to the Project between Contractor and any Subcontractors.

8.4.3 Public Works Bonds. Prior to signing the Contract Documents, Contractor shall file with the Oregon Construction Contractors Board, and maintain in full force and effect, the separate public works bond as and when required by Oregon Laws 2015, Chapter 279C, and OAR 839-025-0015. Contractor shall also include in every applicable Subcontract a provision requiring Subcontractor to file and maintain with the Oregon Construction Contractors Board, a separate public works bond as and when required, before starting Work. Contractor shall verify that each Subcontractor has complied with the requirements of this *Section* before permitting each such Subcontractor to begin Work.

8.4.4 Form of All Bonds. All Project bonds shall be in the forms attached as *Exhibit O* unless Owner otherwise approves in writing. All sureties guaranteeing performance or payment shall be

(i) authorized to do business in the State of Oregon, (ii) have a rating of not less than “A” in the latest version of A.M. Best & Company’s Insurance Guide, (iii) an A.M. Best & Company financial size category of “X” or higher, and (iv) listed by, and in the net limit of, the United States Treasury Department as acceptable for bonding Federal projects. Contractor shall have no affiliation with the bonding agent or agency.

ARTICLE 9

PROTECTION OF LIFE AND PROPERTY

9.1. Safety Precautions and Protective Measures.

9.1.1 Contractor’s Safety Plan. Contractor shall have overall responsibility and liability for Site, Project, and Work safety. Contractor shall develop, implement, and supervise all safety measures and programs at the Site and in connection with the Work, shall implement the safety and fire prevention program set forth in the Construction Plan, and shall require all Subcontractors and other Persons performing Work to conform to the same. Contractor shall review and recommend appropriate changes to, but shall not have direct control over, each Subcontractor’s safety program. As such, Contractor’s review and recommendations shall not relieve Subcontractors of their responsibility for the safety of persons and property, and for compliance with all Applicable Laws.

9.1.2 Safeguards. Contractor shall erect and maintain, as required by existing conditions and the progress of the Work, all reasonable safeguards, including posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying affected Persons.

.1 Contractor shall take all reasonable safety precautions, protective measures, and care to prevent damage, injury, and loss to: (i) all Persons on, about, and adjacent to the Site and in locations with stored Materials; (ii) all Work under the custody or control of Contractor, Subcontractors, or Sub-subcontractors, whether completed, in progress, or stored; and (iii) work of Owner and Owner’s Separate Contractors; (iv) existing Site landscaping and plant life not designated for removal in the Contract Documents.

.2 Without limiting Contractor’s responsibility for Site and Work safety, **Contractor shall comply with all of Owner’s Standard Requirements, attached as *Exhibit I*, and** Owner Parties shall have the right, but not the obligation, to review and approve Contractor’s safety measures and programs.

.3 Contractor’s safety practices and protection of persons and property shall be industry best practices, conform to the Contract Documents, and comply with all Applicable Laws, including all applicable regulatory and advisory agency safety standards.

9.1.3 Adjacent Property and Work. Contractor shall not enter upon property that is private or adjacent to the Site without first obtaining permission. Contractor shall be responsible for and use every precaution to preserve all public and private property adjacent to the Work, including trees, shrubs, lawns, walks, pavement, roadways, structures, and utilities. Contractor shall be responsible for protection of adjacent work areas, including other work, brought about by activities, equipment, labor, utilities, vehicles, or materials on the Site.

9.1.4 Damages. Contractor shall promptly remedy all damage and loss (other than damage or loss covered by property insurance required by the Contract Documents) to any property referred to above, caused in whole or in part by Contractor, Subcontractors, Sub-subcontractors, or by Person for whose acts they may be liable.

9.1.5 Site Safety Supervisor. Contractor shall designate and keep at the Site a responsible and qualified member of Contractor’s organization who shall manage Contractor’s safety

program. Contractor shall report to Owner the name, position, and direct contact information, of the person so designated.

9.2. Emergencies. In any emergency affecting the safety of persons or property, Contractor shall act in its sound discretion to prevent threatened damage, injury, or loss. Contractor's Claims for additional compensation or extension of time as a result of an emergency shall be determined in accordance with *Article 12* of these General Conditions.

9.3. Reporting Requirements. Following an emergency or occurrence involving personal injury or property damage, Contractor shall furnish Owner with, not more than three (3) Days after an incident, the full written details, photographs, and statements of witnesses, of each incident. In addition, following an emergency or an occurrence involving serious personal injuries, serious property damage, or death, Contractor shall immediately report the same to Owner by telephone or messenger. Contractor shall again promptly inform Owner of the ultimate disposition of any occurrences as set forth above, following their conclusion.

9.4. Hazardous Materials. Contractor shall not use, in connection with the Work, any Hazardous Materials (defined below) in a manner that poses unreasonable safety risks or violates Applicable Laws. This *Section* shall not prohibit Contractor from using any item specified in the Contract Documents unless Contractor knows it violates Applicable Laws, in which case Contractor shall notify Owner Parties in writing so that Owner may issue an appropriate Change Order.

9.4.1 **Definition.** "Hazardous Materials" shall mean any hazardous waste, toxic substance, radioactive material, asbestos containing material, petroleum product, or related materials including substances defined as "hazardous substances," "toxic substances," and similar designations in any Applicable Laws, including without limitation, in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, 42 U.S.C. Sec. 9061 et seq.; Hazardous Materials Transportation Act, as amended, 49 U.S.C. Sec. 1802 et seq.; the Resource Conservation and Recovery Act, as amended, 42 U.S.C. Sec. 6901 et seq.; and the corresponding regulations (as amended) issued pursuant to these acts.

9.4.2 **Existing Conditions.** Unless Hazardous Materials disposition is specifically a part of the Contract Documents or was necessitated by that actions of Contractor, Subcontractors, Sub-subcontractors, or the acts or omissions of Persons' for whom they are liable, Contractor shall not be responsible for Hazardous Materials existing at the Site prior to commencement of Work (the "Preexisting Hazardous Materials"). If Contractor reasonably suspects it has encountered Preexisting Hazardous Materials, Contractor shall, immediately upon recognizing the condition, have the right to stop Work in the affected area, and shall immediately notify Owner Parties of the same.

9.4.3 **Owner Actions Upon Notice.** Promptly after receiving notice of reasonably suspected Preexisting Hazardous Materials, Owner Parties shall take reasonable measures to ensure that the Preexisting Hazardous Materials are remediated. Specifically, Owner shall retain qualified independent experts to (a) determine if the area of concern does contain a Hazardous Material, and (b) prescribe remedial measures to render Hazardous Material harmless as necessary. Contractor shall resume Work in the affected area only upon Owner and Contractor's written agreement.

9.5. Contractor's Responsibility.

9.5.1 **Environmental Protection.** Contractor shall at all times direct its activities and the activities of its Subcontractors, Sub-subcontractors, Suppliers, and other Persons performing Work in and around the Site to minimize adverse effects on the environment.

Contractor shall, at all times: (i) at no additional cost to Owner, properly handle and dispose of all environmental pollutants and hazardous substances brought onto the Site during performance of the Work, to the satisfaction of Owner and Government Authorities having jurisdiction, and in a manner that complies with Applicable Laws; (ii) be responsible for all spills, releases, discharges, or leaks of

environmental pollutants, brought to the Site during performance of the Work; and (iii) promptly clean up and remediate, without cost to the Owner, such spills, releases, discharges, and leaks, to Owner's satisfaction and in compliance with Applicable Laws.

9.5.2 Reporting. Contractor shall report all releases of Hazardous Materials as required by Applicable Laws, including 40 CFR Part 302, Table 302.4 and OAR 340-142-0050.

In addition to following the emergency procedures set forth in *Sections 9.2 and 9.3* above, Contractor shall immediately report to Owner Parties by telephone all releases of Hazardous Materials introduced to the Site during performance of the Work. A written follow-up report shall be submitted to Owner Parties within forty-eight (48) hours of the initial report, and shall contain at a minimum: (i) a description of items released including identity, quantity, manifest numbers; (ii) whether amounts of items released is EPA/DEQ reportable, and, if so, when Contractor so reported; (iii) exact time and location of each release, including a description of the area involved; (iv) Contractor's containment procedures initiated; (v) a summary of communications about the release between Contractor and officials other than Owner; and (vi) a description of cleanup procedures employed or to be employed, including disposal locations.

9.5.3 Indemnity. **TO THE FULLEST EXTENT PERMITTED BY LAW, INCLUDING ORS 30.140, CONTRACTOR SHALL INDEMNIFY, DEFEND, AND HOLD HARMLESS, THE INDEMNITEES FROM ALL LOSSES AND CLAIMS OF LOSSES, MADE BY ANY THIRD PARTY, THAT IN ANY WAY ARISE OR RESULT FROM HAZARDOUS MATERIALS THAT CONTRACTOR, ITS SUBCONTRACTORS, OR ANY PERSON FOR WHOSE ACTS THEY MAY BE LIABLE, INTRODUCE TO THE SITE.**

The foregoing indemnity shall not apply to Hazardous Materials that Contractor or its Subcontractors introduce to the Site in accordance with the Contract Documents and in compliance with all Applicable Laws.

9.6. No Limitation. Nothing in this *Article 9* shall limit Contractor's responsibility for obtaining insurance coverage required under the Contract Documents, and Contractor shall take no action that would void or impair such coverage.

ARTICLE 10

ALLOWANCES; SUBSTITUTIONS; CHANGES

10.1. Allowances. Contractor shall include in the Contract Sum all Allowances stated in the Contract Documents and their Associated Costs (defined below). Items included in Allowances shall be furnished and installed for the amounts and by Persons as Owner Parties direct. Unless Owner Parties request otherwise, Contractor shall provide to Owner Parties for approval, at their request, a proposed fixed lump-sum price for any Allowance, including its Associated Costs, prior to its performance.

Unless otherwise set forth in the Contract Documents: (i) when finally reconciled, Allowances shall cover Contractor's cost of Materials delivered to the Site, and all applicable Taxes, less applicable trade discounts; (ii) Contractor's costs for unloading and handling at the Site, labor, installation costs, overhead, profit, and other expenses, contemplated for the Allowance (collectively, the "Associated Costs") shall be included in the Contract Sum but not in the Allowance; and (iii) whenever Contractor's costs are more than or less than an Allowance, the Contract Sum shall be adjusted accordingly by Change Order in the amount of the difference between the amount of the original Allowance item and its actual cost including changes, if any, to Associated Costs.

10.2. Substitutions. When more than one product or process is specified by the Contract Documents as being acceptable (including the designation "or equal"), Contractor shall have the option of using any such specified product. When only one product or process is specified, Contractor shall not be permitted a Substitution except as set forth in this *Section*.

10.2.1 Requested Substitutions shall meet the standards, required function, size, type, appearance, and quality, of Materials they are intended to supplant. In the event Contractor wishes to request a Substitution, Contractor shall first submit a written request for Owner Parties' approval. Requests for Substitutions shall be timely, fully documented, and will be accompanied by evidence about the requested Substitution, including: (i) its quality and serviceability; (ii) changes in details and construction of related Work; (iii) pertinent drawings, specifications, samples, performance data; (iv) its design and artistic effect; and (v) changes to the Contract Sum. By submitting a Substitution proposal, Contractor represents that the Substitution meets or exceeds the standards, qualities, guarantees, and warranties, of the specified item being substituted, except to the extent Contractor disclaims in writing within its proposal.

10.2.2 Substitutions may only be considered under the following circumstances: (i) when a product or process specified in the Contract Documents is discontinued and not reasonably available; (ii) when a requested Substitution, in Contractor's and Owner Parties' opinion, is in Owner's best interest; or (iii) when Contractor can demonstrate that the price of the specified product or process is unreasonably inflated and Substitution will be significantly less expensive. Owner Parties will make recommendations to Owner regarding requested Substitutions, and Owner may, in its discretion, reject or approve the same.

Approved Substitutions that result in a change to the Contract Sum shall be accompanied by a Change Order in the amount of the difference in the Contract Sum between the specified product or process and its Substitution.

10.3. Changes.

10.3.1 Minor Changes in the Work. Owner Parties shall have authority to order minor changes in the Work that shall be effective and bind Contractor upon Owner Parties' written order. Contractor shall promptly carry out all written orders of minor changes in the Work. In the event Contractor reasonably believes a change in the Work is not minor, and Contractor will be harmed without adjustment to the Contract Sum or Contract Time, Contractor shall immediately notify Owner Parties and shall not proceed to implement the change in the Work. If Owner Parties disagree that Contractor is entitled to an adjustment to the Contract Sum or the Contract Time, Contractor shall proceed with the ordered change in the Work and may submit a Claim. However, if Contractor performs the change in the Work set forth in the Owner Parties' order without prior notice that it believes such change will affect the Contract Sum or Contract Time, Contractor waives any such Claim.

10.3.2 Change Orders. All Change Orders shall be in the form attached as *Exhibit P*, shall be priced in accordance with this *Article 10*, and shall contain the details of the changes to the scope of Work, Contract Time, Contract Sum, and any related adjustments to the Contract Documents. Except as set forth in this *Article 10*, only a Change Order shall authorize a change to: (i) the scope of the Work, (ii) the Contract Time or a significant modification to the schedule of performance of the Work or the Project, or (iii) the Contract Sum or Contractor's compensation. As such, Contractor shall have no Claim for Work performed that would have been subject to, but for which Contractor failed to request, a Change Order.

10.3.3 Owner-Directed Changes. Owner Parties may order Contractor to price and determine time impacts of, at any time, a change in the scope of Work, by submitting to Contractor a reasonably-detailed written statement setting forth the nature of the change. If Contractor determines in good faith that Owner Parties' change will (a) increase or decrease the Contract Sum or (b) impact the dates for Substantial Completion set forth in the applicable Construction Schedule, Contractor shall promptly furnish Owner Parties with detailed information setting forth the cost and time impacts of the change in accordance with *Section 10.3* of these General Conditions. If Owner elects to order the changed Work, it shall issue to Contractor a Change Order ordering and authorizing Contractor to proceed with the changes, as agreed. Contractor shall not commence such a change until Owner has issued a Change

Order, except in an emergency endangering life or property, as set forth in *Section 9.2* of these General Conditions.

10.3.4 Changes Other than Owner Directed. If Contractor encounters at the Site (a) concealed physical conditions materially differing from those indicated in the Contract Documents or (b) unknown and unforeseen physical conditions of unusual nature, materially differing from those ordinarily found to exist in the vicinity of the Site or as otherwise provided for in the Contract Documents, and such differing conditions will reasonably harm Contractor, Contractor shall give to Owner Parties notice before such conditions are further disturbed and in no event later than three (3) Days after their discovery. Owner Parties will promptly investigate purported differing conditions to determine if in fact they materially differ from those ordinarily found near the Site or as provided in the Contract Documents.

10.3.5 Owner Parties' Determination. Owner Parties shall be entitled to review Contractor's Claims for differing Site conditions as set forth in *Section 10.3.4* above, and for changes due to Unavoidable Delay as set forth in *Section 7.2.4* of these General Conditions. If, after investigation, Owner Parties agree that a Change Order is appropriate under the circumstances, Contractor will be entitled to adjustment to the Contract Sum, Contract Time, or schedule of performance of the Work, as the case may be, and as agreed to by Owner and Contractor. If a request for Change Order includes requests from Subcontractors, Sub-subcontractors, Suppliers, or other Persons performing Work, Contractor shall analyze and evaluate the merits of such requests prior to including them in Contractor's submission to Owner Parties. By submitting such requests, Contractor represents they are accurate and appropriate.

In any event, if Owner Parties disagree that Contractor is entitled to a Change Order under the circumstances, Owner Parties shall notify Contractor in writing, stating the reasons for disagreement. If Contractor wishes to dispute Owner Parties' determination, Contractor shall have a Claim. However, Owner shall in no event approve a Change Order because of missed Work scope or a lack of coordination in the execution or bidding of the Work.

All Claims due to changes shall proceed in accordance with *Article 12*.

10.3.6 Requisite Performance of Changes. In the event Owner refuses to issue a Contractor-requested Change Order or Owner and Contractor fail to agree to the terms of a Change Order, Owner Parties shall have the right to issue a Construction Change Directive. Upon receiving a Construction Change Directive, Contractor shall proceed to perform such changed Work and Owner shall pay Contractor on a time and material basis in accordance with *Section 10.3.7* below. Owner Parties and Contractor shall continue to make good faith efforts to agree to the terms of a Change Order for the Work of the Construction Change Directive. Change Orders may be issued for all or any part of a Construction Change Directive. However, if Owner and Contractor cannot agree to one or more Change Orders for all of the Work of a Construction Change Directive, Contractor shall have a Claim for that Work executed but not included in a Change Order.

10.3.7 Price and Schedule Adjustments. Unless Owner and Contractor agree in writing, all monetary adjustments included in Change Orders and Construction Change Directives, whether cost or credit to Owner, shall be calculated using the terms and figures of *Exhibit Q* and other unit prices set forth in the Contract Documents. However, if quantities of Materials and labor originally contemplated in a unit price significantly differ from those in a Change Order such that a unit price will cause substantial inequity to Owner or Contractor, that unit price shall be equitably adjusted.

When submitting a request for, or responding to, a Change Order, Contractor shall furnish Owner with detailed estimates of proposed adjustment to the Contract Time, changes to the schedule of performance of the Work or the Project, and the Contract Sum or Contractor's compensation, as the case may be. As applicable, each approved Change Order shall incorporate an accurate revised Schedule of Values and an accurate revised Construction Schedule.

10.3.8 Accounting. Contractor and Subcontractors impacted by a Change Order or Construction Change Directive shall maintain itemized accounts of all charges and credits due to changes in the Work as a result of all such changes. Such itemized accounts shall be open to Owner Parties' inspection.

10.3.9 Owner-Directed Acceleration; Constructive Acceleration. The Owner shall have the right to accelerate the completion date of the Work by Change Order, which may require the use of overtime. Additionally, Owner shall have the right to refuse to grant to Contractor an extension of time to meet the completion milestones set forth in the Design Schedule, Construction Schedule, or Project Schedule, even if Contractor is entitled to an extension pursuant to the Contract Documents. In the event Owner accelerates performance of the Work, the Contract Sum shall be adjusted in accordance with *Section 10.3.3* above, but Contractor shall not be entitled to any other compensation or recovery. Prior to commencing the acceleration of Work, Contractor shall submit to Owner Parties for approval its written plan to cost efficiently execute such acceleration.

10.3.10 No Additional Claims. Neither Contractor nor Subcontractors shall have Claims for impact costs due to a Change Order. All money and time impacts associated with a Change Order shall be included in that Change Order. Contractor shall not be entitled to and shall not request, a Change Order, and shall make no Claims, after Owner Parties receive Contractor's final Application for Payment that includes such changed Work.

ARTICLE 11

WORK ASSURANCES AND GUARANTEES

11.1. Design Warranty. Subject to the Standard of Care, Contractor warrants that the Services will conform to the Contract Documents' requirements, Applicable Laws and lawful orders of Governmental Authorities, and will be free from defects. Owner may consider Services not conforming to these requirements defective. If any of the Services are contrary to the Contract Documents' requirements, Applicable Laws and lawful orders of Governmental Authorities, Contractor shall promptly correct and cause such Services to conform to the same and all corrective measures shall be at Contractor's expense.

11.2. Uncovering of Work.

11.2.1 Wrongful Covering. If any portion of Work is covered contrary to Owner Parties' written request or contrary to the Contract Documents' requirements, Contractor shall, upon request, uncover such Work for Owner Parties' inspection and shall recover and replace the same upon Owner Parties' approval. All uncovering and recovering under this *Section* shall be at Contractor's expense.

11.2.2 Requested Uncovering. If Owner Parties have not specifically requested in writing any portion of Work remain uncovered for inspection, Owner Parties may still require that Contractor promptly uncover such Work. Following uncovering and Owner Parties' review, if such Work is in accordance with the Contract Documents, then Owner shall pay the cost of uncovering and replacement by Change Order. However, if such Work is Defective Work, Contractor shall pay all such costs.

11.3. Correction of Work.

11.3.1 Contractor's Obligation. Prior to Substantial Completion of each Deliverable Portion of Work and for a period of one (1) year following the later of: (i) Substantial Completion of each Deliverable Portion of Work; (ii) the date for commencement of warranties in accordance with the Contract Documents; or (iii) such longer periods of time contained in the Contract Documents' specific warranties (collectively, the "Defective Work Warranty"), Contractor shall promptly remove from the

Site and correct and repair all Defective Work, whether completed or in progress. Costs of removing and correcting Defective Work, including additional testing and inspections, uncovering, replacement, and recovering, and associated compensation for the Owner Parties' additional services, shall be at Contractor's expense.

11.3.2 Opportunity to Cure. If Owner Parties become aware of Defective Work they will promptly deliver to Contractor written notice of the same and shall provide Contractor reasonable opportunity to cure the Defective Work. However, if Contractor does not fully perform its obligations under this *Section* within thirty (30) Days after it receives Owner Parties' written notice of Defective Work, Owner shall have a Claim and may cause Contractor's obligations to be performed at Contractor's expense. If Owner chooses to repair such Defective Work using Owner's own forces, Contractor shall pay to Owner one and one half (1-1/2) times the standard hourly rate of Owner's forces used to perform the work, plus related overhead and direct non-salary costs. If Owner completes the repairs using Owner's Separate Contractor, Contractor shall pay to Owner the direct expense billed by Owner's Separate Contractor for its work plus the direct salary costs, related overhead, and direct non-salary expenses, of Owner, for monitoring Owner's Separate Contractor's work. If any of these expenses cause the Contract Sum to be exceeded, the excess shall be payable to Owner from Contractor on demand, or deducted from amounts to be paid by Owner to Contractor.

11.3.3 Term Upon Correction or Completion. The one (1) year Defective Work Warranty shall be extended for those portions of Work first performed after Substantial Completion of each Deliverable Portion of Work and for the corrective Work performed pursuant to this *Section* by the longer of (a) the period of time between Substantial Completion of each Deliverable Portion of Work and the actual completion or correction of that portion of the Work or (b) the period of time prescribed by law or by the terms of any applicable special warranty or guarantee under the Contract Documents.

11.3.4 Equitable Adjustment. In the event Owner does not require Contractor to remove or correct any Defective Work, Owner shall be entitled to an equitable deduction to the Contract Sum for the reduced value of that Defective Work. Owner and Contractor shall agree upon a deduction to the Contract Sum that is equitable and all such deductions shall be evidenced by Change Order.

11.3.5 No Limitation. The one (1) year Defective Work Warranty neither limits the time within which Owner may enforce Contractor's obligation to comply with the Contract Documents, nor the time within which Owner may commence proceedings pertaining to Contractor's obligations under the Contract Documents. The expiration of the Defective Work Warranty, and expiration of any of Contractor's other guarantees or obligations to correct Defective Work, shall not relieve Contractor of the obligation to correct, at its own expense, latent defects in the Work.

Nothing contained in this *Article 11* shall establish a period of limitation for any warranty obligation under the Contract Documents (other than the Defective Work Warranty) or modify a statute of limitations or repose.

11.3.6 RESERVED

11.3.7 Warranties. Warranties arising from this *Article 11* and all other warranties and guarantees required by the Contract Documents (collectively, the "Warranties") that are applicable to a Deliverable Portion of Work shall commence upon Substantial Completion of such Deliverable Portion of Work, and shall run directly to Owner or be fully assignable to Owner and its designee. All such Warranties shall be assigned to Owner or, at Owner's option, its designee. Contractor shall furnish Owner with documentation necessary to enable Owner to obtain the benefit of all Warranties. Contractor shall assist Owner to enforce its long-term warranties or guaranties. The Warranties shall be in addition to and not in limitation of any other warranty or remedy at law or in equity.

ARTICLE 12

CLAIMS

Notice.

12.1.1 Initial Notice. If Owner has a Claim, Owner shall promptly notice Contractor of such Claim in writing, setting forth the known details and support for the Claim. If Contractor has a Claim, Contractor shall furnish Owner with a detailed, supported, written notice, setting forth the known or estimated length of any Delay and any known or estimated monetary impacts, due to such Claim. Contractor shall deliver to Owner such notice no later than seven (7) Days following actual knowledge of the event giving rise to the Claim. For purposes of Owner Parties' denial of any of Contractor's requests to modify any terms of the Contract Documents (whether Contract Sum, Contract Time, or otherwise) in accordance with Contractor's rights to make such requests under the Contract Documents, the event giving rise to the Claim (and thus the start of the seven (7) Day period) shall be Contractor's receipt of Owner Parties' written denial.

If it is impracticable to specify the actual length of a delay or monetary amount of a Claim at the time notice is required, the claimant shall provide estimates and periodic supplemental notices to keep the nonclaimant party informed of any change and other relevant information while the events giving rise to the Claim continue.

12.1.2 Formal Claim Process. Promptly following notice of the Claim as set forth above, Contractor's on-Site senior project manager (designated in *Section 4.3.3* of these General Conditions) and Owner Parties' project manager, shall work cooperatively to resolve the Claim (the "Preliminary Claim"). However, if three (3) weeks after the notice of Claim has been received by the non-claimant, Contractor's and Owner Parties' project managers believe the Preliminary Claim will not be resolved, the Claim shall be submitted to the Major Claim (defined below) process.

All Claims not resolved by the Preliminary Claim process shall be "Major Claims." Owner shall designate **a neutral third party**, with a substantial understanding of and experience in the design and construction industry, to review all Claims (the "Claims Examiner") to hear and decide all Major Claims. Within thirty (30) Days after the initial notice of a Major Claim, the claimant shall submit to the Claims Examiner and non-claimant a complete and detailed written description of its Major Claim including: (i) a detailed, factual statement of the basis of the Claim; (ii) pertinent dates of the events giving rise to the Claim; (iii) Contract Documents provisions that support or allow the Claim; (iv) copies of all documents which support the Claim; (v) the total monetary and time impacts of the Claim, broken down to clearly demonstrate its impact on the Contract Sum, Contractor's compensation, the Contract Time, and schedules of performance of the Work (collectively, the "Detailed Claim"). Within ten (10) Days of receiving the Detailed Claim, the non-claimant shall have the right to submit to the Claims Examiner a formal response to the Detailed Claim, confirming or rebutting the allegations and other details set forth in that Detailed Claim.

12.1.3 Indirect Claims. If a Contractor's Claim involves Work of Subcontractors, Sub-subcontractors, Suppliers, or other Persons performing work on their behalf, Contractor shall analyze and evaluate the merits of such Claim prior to noticing Owner of the same and by giving such notice, represents such Claim is accurate and appropriate. Owner Parties will not consider direct claims from Subcontractors, Sub-subcontractors, Suppliers, and others not a party to the Contract Documents.

12.1.4 Limited Claims for Damages. Neither Contractor nor Owner shall have a Claim for damages to property or injury arising from an act, omission, or peril, insured pursuant to any policy carried by the party suffering such damage. Furthermore, such a Claim shall not be assignable or the subject of a subrogation action by any third party. To the extent a party suffering damage receives

insurance proceeds for damages that otherwise could give rise to a Claim, the other party shall be released from liability, for such damages.

12.1.5 Waiver. Unless a notice of Claim and the Formal Claim is made in accordance with the time requirements of this *Section*, it shall be deemed waived.

12.1.6 Continuation of Work. Unless otherwise directed by Owner Parties, Contractor shall continue to diligently prosecute the Work while any Claim is pending.

12.2. Formal Claim Review.

12.2.1 Initial Decision. The Claims Examiner will review all Major Claims and take one or more of the following preliminary actions within fifteen (15) Days of receipt of a Detailed Claim: (i) request additional supporting information from the claimant; (ii) inform the Contractor and Owner in writing of the time required for adequate review and response; (iii) reject the Claim in whole or in part and identify the reasons for rejection; (iv) based on unit prices identified in *Exhibit Q* and recommend approval of all or part of the Claim; or (v) propose an alternate resolution. In any event, notwithstanding anything to the contrary contained in this *Article 12*, if the Claims Examiner has not issued its decision within thirty (30) Days of the Detailed Claim being filed, that Claim shall be subject to appeal and submitted to non-binding mediation all as set forth below.

12.2.2 Appeal. The Claims Examiner's decision shall be final and binding unless appealed by Contractor's or Owner's written notice to the other, setting forth those portions of the Claims Examiner's decision being appealed, within fifteen (15) Days of all parties' receipt of such decision. Owner and Contractor hereby acknowledge and agree mediator, whether temporary or presiding, shall not be subject to subpoena or otherwise asked or required to produce records, notes, or work product, or asked or required to testify in any proceedings as to information disclosed or representations made during the course of mediation, except to the extent required by law.

12.2.3 Mediation. A proper and timely appeal of the Claims Examiner's decision shall be submitted to non-binding mediation within fifteen (15) Days following all parties' receipt of the notice of appeal and such appeal shall be reviewed by the mediator *de novo*. The presiding mediator shall be an individual mutually acceptable to Owner and Contractor, unless the parties cannot agree, in which case each party shall select a temporary mediator and the temporary mediators shall jointly select a presiding mediator. Owner and Contractor shall pay their own costs and expenses and the cost of the mediator shall be split equally between the two parties. The schedule, time and place for mediation will be mutually acceptable to Owner and Contractor, unless the parties cannot agree, in which case the mediation venue shall be at or in close proximity to the Site.

.1 Owner and Contractor acknowledge and agree that, subject to Claim Preservation as set forth below, participation in mediation shall be a prerequisite to litigation of any Contract Documents disputes. Owner and Contractor shall use best efforts in good faith to resolve through the mediation process all Major Claims within sixty (60) Days of the commencement of such mediation (the "Mediation Period"). However, if the presiding mediator fails to issue its decision on one or more of the issues presented within ninety (90) Days of the commencement of such mediation, the parties shall have the option to file a lawsuit in accordance with *Section 12.2.4* below and adjudicate those undecided issues, notwithstanding the requirement to mediate as a condition precedent to filing suit. Additionally, if a lawsuit must be filed within the Mediation Period in order to preserve a cause of action (a "Claim Preservation"), Owner and Contractor agree that they will nevertheless proceed diligently to mediate the Claim to its conclusion prior to actively prosecuting the lawsuit. As such, Owner and Contractor shall seek from the Court presiding over the Claim Preservation lawsuit such stays and extensions, including the filing of an answer, as may be necessary to mediate effectively. Further, if during the Mediation Period Owner and Contractor settle any issues, the plaintiff in the Preservation Claim

lawsuit shall promptly cause the Court to enter a stipulated general judgment of dismissal with prejudice, or other appropriate order, limiting the remaining scope of litigation.

.2 The parties agree to comply with Owner's Standard Requirements, which may include but are not limited to confidentiality of mediation, and shall promptly sign all documents necessary to give effect to such requirements.

12.2.4 Litigation. Major Claims not resolved by mediation during the Mediation Period shall be submitted to the Benton County Oregon Circuit Court and the Parties hereby consent to the jurisdiction of the same and waive any objection which it may now or later have to the laying of venue of any action or proceeding in such court; provided, however, notwithstanding the foregoing, if a legal action or proceeding must be brought in a federal forum, the Party bringing such action or proceeding shall do so in the United States District Court for the District of Oregon. This paragraph shall not be construed to (a) authorize Contractor to bring a legal action or proceeding against Owner in a federal forum except to the extent Congress has validly abrogated OSU's sovereign immunity or (b) waive any form of Owner's immunity, including sovereign immunity and immunity based on the Eleventh Amendment to the United States Constitution.

Owner and Contractor hereby acknowledge and agree mediator, whether temporary or presiding, shall not be subject to subpoena or otherwise asked or required to produce records, notes, or work product, or asked or required to testify in any proceedings as to information disclosed or representations made during the course of mediation, except to the extent required by law. [Discussion point – waive jury trial?]

12.3. No Claims for Consequential Damages.

12.3.1 Consequential Damages Waived. Contractor and Owner each waive Claims against the other for consequential damages arising out of the Contract Documents, including (a) Owner's damages for rental expenses, loss of use, lost opportunity, loss of income, lost profit, interest from financing, and damage to reputation, and (b) Contractor's damages for principal office expenses, lost opportunity, interest from financing, damage to reputation, and loss of profit except anticipated profit arising directly from the Work and earned by Contractor in accordance with the Contract Documents.

12.3.2 Limitations. Nothing in this *Section 12.3* shall preclude recovery of: (i) Liquidated Damages in accordance with the Contract Documents; (ii) third-party claims, Claims, and indemnity requirements of *Section 8.2* of these General Conditions; (iii) Claims, damages, costs, or expenses due to violations of Applicable Laws; (iv) Claims, damages, costs, or expenses relating to fraud, gross negligence, or willful misconduct; (v) Claims, damages, costs, or expenses covered by any insurance policy; (vi) Claims, damages, costs, or expenses due to Contractor's refusal to perform in accordance with the Contract Documents; or (vii) breach of any intellectual property or confidentiality obligations.

ARTICLE 13

TERMINATION

13.1. Suspension

13.1.1 Owner's Right to Suspend. Owner may, with or without cause, furnish Contractor with a written order to suspend the Work in whole or in part for such period of time as Owner may determine in its sole discretion, but not to exceed ninety (90) Days. Upon receipt of such an order to suspend, Contractor shall promptly cease all Work, except to the extent Owner's order also requires Contractor to protect completed and partially-completed Work or to maintain during the period of suspension the Work protection of the Work, maintenance of access, protection of stored Materials, maintenance of temporary facilities, and general cleaning. If Owner's suspension of the Work exceeds ninety (90) Days, and Owner re-engages Contractor to commence the Work once again with written

notice, Contractor shall be entitled to an equitable adjustment to the Contract Sum for the length of time exceeding ninety (90) days. No such suspension of the Work will be the basis of a Claim except for Cost of the Work directly relating to maintenance of the Site during such suspension.

13.2. Termination.

13.2.1 Owner's Right to Perform. If Contractor fails to perform any of its obligations under the Contract Documents, then Owner may, after five (5) Days' prior written notice, during which time Contractor continues to fail to diligently pursue performance of any such breached obligation and without prejudice to any other remedy Owner may have at law or in equity, cause Contractor's breached obligations to be completed by others. All costs and expenses Owner incurs addressing Contractor's failure to perform under this *Section* shall become Contractor's liability to Owner payable upon demand and subject to offset against the Contract Sum. If the balance of the Contract Sum is not sufficient to cover such offset amount, Contractor shall immediately pay to Owner the difference. However, in no event shall Owner's actions under this *Section* be deemed a termination of the Agreement.

13.2.2 Funds Available and Authorized. If Owner fails to receive funding, appropriations, allocations, or other expenditure authority, as contemplated by Owner's budget, Owner may terminate the Contract Documents based on its assessment and ranking of the policy objectives explicit or implicit in Owner's budget, and such termination shall be deemed and proceed according to Owner's termination for convenience (below).

13.2.3 Owner's Termination for Convenience. Owner may, at any time and without cause, terminate the Agreement, in whole or in part, by delivering to Contractor at least ten (10) Days in advance, a notice of termination for convenience specifying the extent and the effective date of termination. Upon such date of termination, Contractor shall (a) immediately and peacefully surrender possession of the Site and all Materials for which the Contractor received progress payments, and (b) assign to Owner those Subcontracts that Owner requests. Under those Subcontracts to which Owner elects to take assignment, Owner shall assume Contractor's obligations that accrue after the date of termination. Contractor shall take such action and shall execute such documents as Owner may reasonably require for such assignments to be effective and shall not enter agreements that prevent such assignment.

Following termination, Contractor shall only be entitled to (a) that portion of the Contract Sum earned up until the effective date of termination and (b) reasonable actual demobilization costs.

13.2.4 Owner's Termination for Cause. If a Default occurs at any time during the Project and Contractor fails after five (5) Days written notice to commence and diligently pursue a cure to such Default or fails to actually cure the Default within a reasonable period of time, Owner may terminate the Agreement for cause and take possession of the Site and all Materials on the Site, including those Contractor owns. Owner may subsequently finish the Work by whatever reasonable methods are expedient and Contractor shall not be entitled to receive any further payment until the Work is finished. However, in the event of such a termination for Default, Contractor shall not be relieved from its obligations under the Contract Documents.

If Owner completes the Work and the unpaid balance of the Contract Sum exceeds Owner's cost and expense to finish the Work, including its consequential damages and professional services fees, Contractor shall be compensated for the Work it actually performed. However, if Owner's costs and expenses to complete the Work, including its consequential damages and professional services fees, exceed the unpaid balance of the Contract Sum, Contractor shall pay to Owner the difference upon demand. This *Section* shall survive termination of the Agreement.

13.2.5 Termination Deemed Termination for Convenience. If a court of competent jurisdiction, mediator, or arbitrator, as the case may be, determines that Owner's termination for cause was wrongful, such termination shall be deemed a termination for convenience pursuant to *Section 13.2.3* of these General Conditions and Contractor's remedy shall be limited to the provisions of that *Section*.

13.2.6 **Transfer of Documents.** As directed by Owner, Contractor shall, upon any termination under this *Article 13*, transfer title and deliver to the Owner all Record Documents, information, and other property, that is reasonably necessary to effectuate completion of the Work or assignment of subcontracts, or that Owner Parties may otherwise reasonably request.

13.2.7 **Contractor's Termination.** If Owner fails to pay to Contractor within forty-five (45) Days after due any undisputed amounts under the Agreement, Contractor may, after fifteen (15) additional Days' written notice to Owner during which time Owner continues to fail to make such payment, terminate the Agreement. If Contractor properly terminates for cause under this *Section*, it may recover from Owner that portion of the Contract Sum earned prior to the date of termination. Contractor hereby waives any other right of recovery for damages due to termination under this *Section*, including anticipated profits (for the balance of the un-executed Work) and consequential damages.

ARTICLE 14

MISCELLANEOUS

14.1. **Use of Drawings and Specifications; Ownership.** The Drawings, Specifications, and other documents prepared by or for Owner Parties, are Instruments of Service. Contractor may retain one record set of such Instruments of Service but Contractor, Subcontractors, Sub-subcontractors, and other Persons performing Work shall have no claim to or ownership of them and shall not use them for any purpose other than for the Work. Unless otherwise indicated, Owner shall be deemed the author and owner of all Project Instruments of Service.

Contractor, Subcontractors, Sub-subcontractors and Suppliers are granted a limited license to use and reproduce applicable portions of the Instruments of Service to aid in the execution of their Work. All such copies made under this license shall bear any statutory copyright notice found on the originals. All such copies, except Contractor's record set, shall be returned to Owner upon request and upon completion of the Work.

14.2. **Interest.** Interest on payments past due and owing between parties to the Contract Documents shall be at the rate of two thirds of one percent (0.667%) per month.

14.3. **Independent Contractor Status.** The services and work to be performed under the Contract Documents are those of an independent contractor as defined in ORS 670.600. Contractor represents and warrants that it is not and will not employ an officer, employee, or agent, of Owner, as those terms are used in ORS 30.265.

14.4. **Confidentiality.** The terms of the Contract Documents and all information and materials Contractor obtains from Owner Parties pertaining to the Work are confidential. Contractor shall not disclose any such information and materials without Owner's prior written consent, except when disclosure is to Persons who have a need to know such information and who first agree to maintain their confidentiality.

All information Owner obtains from Contractor concerning Contractor's costs, accounting, finances, and business operations, is confidential, and Owner shall not disclose the same without Contractor's prior written consent, except when disclosure is to Persons who have a need to know such information and who first agree to maintain their confidentiality and when required by law or court order.

This *Section* shall not apply to information that comes into the public domain unless as a result of a disclosure prohibited by this *Section*, and shall not apply to an enforceable court order. This *Section* shall survive the termination of the Agreement.

14.5. Successors and Assigns. Owner and Contractor bind themselves, their successors, and their assigns, to the other, by the terms of the Contract Documents. Contractor shall not assign or transfer any interest in the Contract Documents, whether by merger, consolidation, dissolution, operation of law or any other manner, other than to Contractor's surety, without Owner's prior written consent.

14.6. Written Notice. Notices required under the Contract Documents shall be in writing and shall be deemed given when delivered if done so in accordance with the Contract Documents.

14.7. Governing Law; Venue. The Contract Documents shall be governed by and construed in accordance with the laws of the State of Oregon without regard to principles of conflicts of law.

14.8. Rights and Remedies. Subject to express limitations of the Contract Documents, rights and remedies available to the parties to the Agreement shall be in addition to, and not a limitation of, any available at law or in equity. No action or failure to act by Owner Parties or Contractor shall constitute a waiver of any right or duty under the Contract Documents, except as may be set forth in the Contract Documents, or as specifically agreed to in writing.

14.9. Severability. The invalidity or unenforceability of any provision of the Contract Documents shall not impair or affect the validity or enforceability of any other provision of the Contract Documents and invalid or unenforceable provisions shall be limited to the extent necessary to enable enforcement of the remainder of the Contract Documents.

14.10. Survival. All warranty and indemnification provisions of the Contract Documents, and all terms of the Contract Documents that are said to or clearly intended to, shall survive termination and completion of the Contract Documents.

Exhibit B

Early Work Amendment

Early Work Amendment

Date: [_____]

Early Work Amendment Number ____

[Design-Builder Name]

Attn: [_____]

[Address]

[Address]

with copy to:

[Name]

Attn: [_____]

[Address]

[Address]

RE: [Project Name], [Contract Number]

Design-Builder:

In accordance with Section 6.3 of the Agreement, you are hereby authorized to commence the Early Work described in Section 1 below and shall be paid for such Early Work in accordance with the Agreement, subject to the not to exceed price set forth in Section 2 below. In accordance with Section 6.3 of the Agreement, the amount paid on account of this Early Work Amendment Number ____ shall be included in the Pricing Amendment applicable to the Deliverable Portion of Work to which the Early Work relates.

1. The Early Work of this Early Work Amendment Number ____ consists of the following: **[Note: Describe the Early Work in reasonable detail]**

2. The not to exceed price for the Early Work of this Early Work Amendment Number ____ shall be: **[Note: Insert the Early Work NTE budget]**

Signed and accepted as of the date first written above:

OWNER:

By:

Name:

Its:

DESIGN-BUILDER:

By:

Name:

Its:

Exhibit C

Form of Pricing Amendment – Lump Sum

See attached

Pricing Amendment

Pursuant to Section 5.11 of the Design-Build Agreement (the "Agreement") dated _____, 20____, between Owner and Design-Builder, Owner and Design-Builder agree to the following terms and conditions for the _____ Deliverable Portion of Work (this "Pricing Amendment"). Capitalized terms used but not defined in this Pricing Amendment shall have the meanings given in the Agreement.

ARTICLE 1

DEFINITIONS AND GENERAL PROVISIONS

"Design-Builder's Lump Sum" shall mean the amount Owner shall pay to Design-Builder for all Work of the Deliverable Portion of Work of this Pricing Amendment.

"Qualifications and Assumptions" shall mean, following Owner Parties' approval, Design-Builder's written statement of qualifications to, exceptions to, and assumptions in, a Pricing Amendment, all based upon the applicable Pricing Amendment Documents.

ARTICLE 2

PRICING

1. Design-Builder's Lump Sum for the _____ Deliverable Portion of Work is _____ Dollars (\$_____).
2. The Guaranteed Substantial Completion Date for the _____ Deliverable Portion of Work is _____, 20____.
3. The following schedules are attached to and incorporated into the Agreement:

Schedule 1 Pricing Amendment Documents, including the Qualifications and Assumptions, upon which Design-Builder's Lump Sum is based, dated _____, _____ pages.

Schedule 2 Schedule of Values, dated _____, _____ pages.

Schedule 3 Construction Schedule, dated _____, _____ pages.

Schedule 4 Allowance items, dated _____, _____ pages.

Schedule 5 Alternates, dated _____, _____ pages.

Schedule 6 Unit Prices, dated _____, _____ pages.

Schedule 7 Claims, if any, _____, _____ pages.

4. Except as set forth in this Pricing Amendment, the Agreement shall remain in full force and effect. In the event of an irreconcilable conflict between the terms of the Agreement and those of this Pricing Amendment, the terms of this Pricing Amendment, control.
5. As of the date of this Pricing Amendment, Design-Builder acknowledges it is neither aware of, nor has reserved, any Claim except as identified on **Schedule 7**.

6. This Pricing Amendment shall take effect upon the date it is last signed and may be signed in separate counterparts, each of which when signed and delivered shall be an original, and all which when taken together, shall constitute one instrument.

This Pricing Amendment is entered as of the ____ day of _____, 20_____.

OWNER:

DESIGN-BUILDER:

By:

Name:

Its:

By:

Name:

Its:

Exhibit D - RESERVED

Project Criteria

See attached

Exhibit E - RESERVED

Key Personnel and Hourly Rates

See attached

Design-Builder's Key Personnel

The personnel indicated below shall be committed to the Project and shall not be assigned any other work responsibilities that lessen or hinder their ability to perform their Project responsibilities:

1. Project Executive. Design-Builder shall assign _____ as Project Executive to supervise Design-Builder's services and the Work and be available to Owner at all reasonable times.
2. Senior Project Manager. Design-Builder shall assign _____ as Senior Project Manager to supervise the Work and be available to Owner at all reasonable times.
3. Project Manager. Design-Builder shall assign _____ as Project Manager to supervise the Work and be available to Owner at all reasonable times.
4. General Superintendent. Design-Builder shall assign _____ as General Superintendent to supervise the Work.
5. Design Manager. Design-Builder shall assign _____ as Design Manager to supervise Design-Builder's Design Services.
6. Submittals Coordinator. Design-Builder shall assign _____ as Design-Builder's Submittals Coordinator to coordinate all Submittals and shall check for conflicts, completeness, and accuracy, and confirm such Submittals conform to the requirements of the Contract Documents and are appropriate for Owner Parties' review.
7. Other Personnel. Design-Builder shall assign other persons as necessary who shall be responsible for the job descriptions set forth next to each of their names. [Note: Design-Builder to provide for Owner's approval.]

Design-Builder's Personnel Rates

[Note: Design-Builder to provide hourly rates for Owner's approval]

Exhibit F - RESERVED
Form of Payment Claim Waiver

See attached

Exhibit G - RESERVED

Per Diem Liquidated Damages

See attached

Per Diem Liquidated Damages

Deliverable Portion of the Work 1 []	Guaranteed Substantial Completion Date []	Per Diem Damages (30 Days) []	Per Diem Damages (60 Days) []	Per Diem Damages (90 Days) []
Deliverable Portion of the Work 2 []	Guaranteed Substantial Completion Date []	Per Diem Damages (30 Days) []	Per Diem Damages (60 Days) []	Per Diem Damages (90 Days) []
Deliverable Portion of the Work 3 []	Guaranteed Substantial Completion Date []	Per Diem Damages (30 Days) []	Per Diem Damages (60 Days) []	Per Diem Damages (90 Days) []
Deliverable Portion of the Work 4 []	Guaranteed Substantial Completion Date []	Per Diem Damages (30 Days) []	Per Diem Damages (60 Days) []	Per Diem Damages (90 Days) []

Exhibit H - RESERVED

Notice and Contact Information

Notices required under the terms of the Agreement shall be given to the attention of each party's representative designated below using the following contact information.

Owner:

Attn:

Phone:

Fax:

Email:

with copy to:

Attn:

Phone:

Fax:

Email:

Owner Parties:

Attn:

Phone:

Fax:

Email:

with copy to:

Attn:

Phone: _____
Fax: _____
Email: _____

Design-Builder: _____

Attn: _____
Phone: _____
Fax: _____
Email: _____

with copy to: _____

Attn: _____
Phone: _____
Fax: _____
Email: _____

Design Professional: _____

Attn: _____
Phone: _____
Fax: _____
Email: _____

with copy to: _____

Attn: _____
Phone: _____

Fax:

Email:

Exhibit I

Owner's Standard Requirements

SECTION 01 10 00

SUMMARY OF WORK

PART 1 GENERAL

1.01 SUMMARY OF WORK

- A. The Work consists of **PROVIDE A BRIEF SUMMARY OF THE WORK INCLUDING LOCATION**
- B. Work shall be started within ten (10) calendar days after signing of Contract on behalf of Oregon State University. Work shall be Substantially Complete by **MM/DD/YYYY**.

1.02 CONTRACTORS USE OF PREMISES

- A. Contractor shall limit use of the premises for work and storage to allow for:
1. Owner occupancy, day and night.
 2. Public use, day and night.
 3. Security.
 4. Safe entry and exit for vehicles and pedestrians.
 5. Fire egress.
- B. Coordinate all operations with the Owner's Authorized Representative during the construction period. A 96-hour notification is required prior to scheduled utility shutdowns or street closures, but more lead time is often required to schedule around other critical activities.
- C. Limit Contractor's employee parking to locations designated at the Pre-construction Conference.

1.03 OWNER OCCUPANCY

- A. The Owner may occupy the premises during the entire period of construction for the conduct of normal operations. The Contractor is required to keep all building systems operational for Owner's occupancy as required by code or to support Owner's operations. Cooperate with Owner's Authorized Representative in construction operations to minimize conflict and to facilitate the Owner's usage especially in the following areas:
1. Restricted access and parking.
 2. Use of stairs.
 3. Storage space availability.
- B. Conduct operations in such a way to ensure the least inconvenience to the general public, including:
1. Limitations and easements.
 2. Emergency vehicle access.
 3. Building access to the public, day and night.

1.04 ASBESTOS AND OTHER HAZARDOUS MATERIAL

- A. The Owner has made a reasonable attempt to locate and identify asbestos or other hazardous material that may be encountered during the course of the Work.
- B. If the Contractor observes or suspects the existence of asbestos, polychlorinated biphenyl (PCB)

Insert Project Name

Month, Year

Notice of Extended Payment Provision

The Contract will allow Owner to make:

1. Progress payments no later than 30 days after the date of receipt of an approved Application for Payment.
2. Final payment of all remaining amounts no later than 30 days after the date the Owner approved all Work

or other hazardous materials in the structure or components of the building, the Contractor shall immediately stop work and notify the Owner's Authorized Representative.

- C. The Owner will arrange for the removal of asbestos, polychlorinated biphenyl (PCB) or other hazardous materials as required by Facilities Services personnel or by separate contract.
- D. Schedule ten (10) days of slack or "down" time for the removal of hazardous materials without penalty to Owner for the delay of the Contract.

1.05 LEAD BASED PAINT

- A. The Owner may have tested existing paint in the project area and if levels are found the following conditions apply.
- B. Contractor shall remove paint as specified for surface preparation and capture removed material for disposal.
- C. Contractor shall follow OSHA guidelines involving exposure to workers.
- D. Owner will provide containers for Contractor's use at project site.
- E. Contractor shall comply with the requirements of DEQ and EPA and shall submit a lead abatement plan.
- F. Contractor shall separate lead contaminated material from effluent and water.
- G. Owner will dispose of lead paint and effluent resulting from stripping operation.
- H. Soil contaminated by stripping operations shall be replaced with topsoil.

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

The Contract will allow Owner to make:

1. Progress payments no later than 30 days after the date of receipt of an approved Application for Payment.
2. Final payment of all remaining amounts no later than 30 days after the date the Owner approved all Work

SECTION 01 11 33

DELEGATED DESIGN

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Delegated Design Activities.
- B. Section includes administrative and coordination requirements for the components of the Work that have performance or design criteria stated, the Contractor shall provide professional services, including architectural and engineering services.
- C. Portions of the Work require professional design services, which has been delegated to the Contractor. These design services may include architectural, structural, mechanical or other engineering scope as indicated:
 - 1. Where Delegated Design is specified, provide components and support from structure meeting requirements of building code as adopted by the State of Oregon.
 - 2. Where specifically required and performance or design criteria are stated, the Contractor shall provide professional services, including architectural and engineering services.
 - 3. The Contractor shall also provide such services in order to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences and procedures.
 - 4. The Contractor shall not be required to provide professional services in violation of applicable law.
 - 5. If professional design services or certifications by a design professional related to systems, materials or equipment are specifically required of the Contractor by the Contract Documents, the Owner and the Design Professional will specify all performance and design criteria that such services must satisfy.
 - 6. The Contractor shall cause such services or certifications to be provided by a properly licensed Design Professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional.
 - 7. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to the Design Professional.
 - 8. The Owner and the Design Professional shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, provided the Owner and Design Professional have specified to the Contractor all performance and design criteria that such services must satisfy.
 - 9. The Design Professional will review, accept or take other appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

Insert Project Name

Month, Year

Notice of Extended Payment Provision

The Contract will allow Owner to make:

- 1. Progress payments no later than 30 days after the date of receipt of approved Application for Payment.
- 2. Final payment of all remaining amounts no later than 30 days after the date the Owner approved all Work

10. The Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.

D. Activities for which design has been delegated to the Contractor shall be identified in the Contract Documents and may include, but not be limited to, those listed below. Contractor to issue RFI with any questions prior to start of construction:

1. Section 034500 - Precast Architectural Concrete.
2. Section 055000 - Metal Fabrications.
3. Section 055100 - Metal Stairs.
4. Section 055213 - Pipe and Tube Railings.
5. Section 057300 - Decorative Metal Railings.
6. Section 071300 - Below Grade Waterproofing.
7. Section 074213 - Metal Wall Panels.
8. Section 077200 - Roof Accessories.
9. Section 078400 - Firestopping.
10. Section 095426 - Acoustical Wood Ceilings.
11. Division 21 Fire Suppression (Seismic Restraint Only)
12. Division 22 Plumbing (Seismic Restraint Only)
13. Division 23 HVAC (Seismic Restraint Only)
14. Division 26 Electrical (Seismic Restraint Only)
15. Ground Anchors.
16. Systems Furniture and Other Office Furnishings Containing Lighting, Receptacles And Wiring.

1.02 DEFINITIONS

A. Design-Build Items are items indicated as "Delegated Design" or "Design Build" in the Contract Documents. These are to be performed by the Contractor on a "design-build" basis:

1. The Contractor, rather than the Design Professional, is solely responsible for:

- a. The design of such systems.
- b. The coordination of the design-build subcontractors, who shall be the engineers of record for such systems.
- c. The coordination of design-build work with the Design Professional's design.

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Notice of Extended Payment Provision

The Contract will allow Owner to make:

1. Progress payments no later than 30 days after the date of receipt of approved Application for Payment.
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d. The determination of, and compliance with, requirements by local jurisdiction for such systems.

e. Submittal preparation and presentation to local Authority Having Jurisdiction (AHJ) for approval (permit process).

1.03 SUBMITTALS

A. Review of design-build submittals by the Design Professional or its consultants shall not constitute acceptance of the design-build system and shall not diminish the responsibility of the design-build contractor and its subcontractors as "Engineers of Record".

B. Product Data, Shop Drawings, Samples, and Calculations:

1. These submittals and others, which describe the design-build work, will be reviewed by the Design Professional in a cursory manner and solely for the purpose of assessing the visual or aesthetic aspects of such designs.

2. Any review of these submittals by the Design Professional's consultants shall be solely for the purpose of evaluating the general compliance of the design with performance requirements specified.

C. Quality Control Submittals:

1. For each product and system specifically assigned to Contractor to be designed or certified by a design professional, submit a statement signed and sealed by the design professional responsible, indicating that the products and systems are in compliance with performance and design requirements indicated.

a. Include building code references, design loads, and other factors used to design or certify design-build products and systems.

2. If required, submit calculations, prepared and signed by a professional engineer licensed in the State of Oregon.

3. Review by the Design Professional its consultants of calculations, drawings, test reports, and certificates that are required by the Contract Documents to have professional certification shall be solely to ensure compliance with design-build submittal requirements.

a. The adequacy, accuracy and completeness of the calculations, drawings and certificates remain the Contractor's responsibility.

D. Coordination Drawings:

1. When required, submit Coordination Drawings to show the relationship of design-build components with the rest of the Work. Indicate the following:

Insert Project Name

Month, Year

Notice of Extended Payment Provision

The Contract will allow Owner to make:

1. Progress payments no later than 30 days after the date of receipt of approved Application for Payment.

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a. Adjacent work which is not part of the design-build components, including but not limited to:

- 1) Utility connections.
- 2) Structural supports.
- 3) Manufactured components.
- 4) Existing construction.

b. Dimensions and location of design-build work, clearly showing clearly how design-build components fit to adjacent Work.

c. Installation requirements to be accomplished by others for design-build work, including but not limited to:

- 1) Utility connections.
- 2) Structural supports.
- 3) Installation and operating clearances.

d. Required installation sequences.

2. See the 20-Series Divisions for Coordination Drawings requirements for mechanical and electrical installations.

E. Other Submittals:

1. Submit warranties, maintenance instructions, and other informational submittals specified for each item of design-build work.

1.04 QUALITY ASSURANCE

A. Requirements and Standards:

1. Perform design-build work to comply with:

- a. Reference standards indicated.
- b. Performance requirements indicated.
- c. Regulatory requirements applicable to the particular design-build work item.

B. Design Professional Qualifications: Where compliance with performance requirements necessitate calculations by a design professional, the design professional must be licensed in the State of Oregon.

C. Design Coordination:

1. Include in submittals design requirements necessary to incorporating design-build work into Project. Such provisions may include, but are not limited to:

- a. Structural.

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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1. Progress payments no later than 30 days after the date of receipt of approved Application for Payment.
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- b. Dimensional.
- c. Electrical.
- d. Mechanical.
- e. Others as applicable.

- D. Cost of changes to Design Professional's design necessitated by design of design-build work items is the responsibility of the Contractor.
- E. Mock-ups: If required by the specification sections describing the items of design-build work, construct mock-ups or field samples, which will be reviewed by the Design Professional for compliance with visual or workmanship requirements only.

1.05 PROJECT CONDITIONS

- A. Field Measurements:

1. Where design-build work is indicated to fit to other construction, check actual dimensions of other construction by accurate field measurements before fabrication; show recorded measurements on Coordination and Shop Drawings.
2. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

The Contract will allow Owner to make:

1. Progress payments no later than 30 days after the date of receipt of approved Application for Payment.
2. Final payment of all remaining amounts no later than 30 days after the date the Owner approved all Work

SECTION 01 22 00

UNIT PRICES

PART 1 GENERAL

1.01 DESCRIPTION

- A. Provide unit prices for the Work described herein.

1.02 QUALITY ASSURANCE

- A. For each unit price item which is performed, coordinate the work of the various trades involved, and modify surrounding work as required to complete the project, as intended.
- B. Each unit price shall include all labor, materials, tools, equipment, profit, overhead and any/all incidental costs which, as attributable to adjustments in the work of other trades, may be required to achieve the contemplated final conditions.
- C. If there is a question regarding the extent, scope, nature, or intent of the unit price work, contact the Contract Administrator for clarification. Failure on the part of the Contractor to clarify any unclear items shall not relieve the Contractor of the responsibility for performing the Work in accordance with the intent and requirements of the Construction Documents.
- D. The description of unit price items listed hereinafter is qualitative. The quantities listed are estimated quantities and are included for the purpose of awarding of the Contract. Actual quantities of labor and materials required to execute the unit price items of Work will be determined by Project conditions and with concurrence of the Owner's Authorized Representative. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished in accordance with the requirements of the Contract.

PART 2 PRODUCTS

2.01 GENERAL

- A. The applicable Sections of the Specifications apply to the Work under each unit price item.

PART 3 EXECUTION

3.01 LIST OF UNIT PRICE ITEMS OF WORK

A. Unit Price #1:

B. Unit Price #2:

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

The Contract will allow Owner to make:

1. Progress payments no later than 30 days after the date of receipt of approved Application for Payment.
2. Final payment of all remaining amounts no later than 30 days after the date the Owner approved all Work

Extended Extended

SECTION 01 23 00

ALTERNATES

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. The alternates described in this Section may be exercised at the option of the Owner within 60 days of the execution of the Contract.
- B. The Owner reserves the right to accept the alternates without regard to order or sequence; but, such acceptance shall not impair the selection of a low, responsible and responsive bidder to whom the Contract may be awarded under an equitable bid procedure.

1.02 ALTERNATE PRICING

- A. For each alternate which is accepted, coordinate the work of the various trades involved, and modify surrounding work as required to complete the project as intended.
- B. Contractor shall provide the change-in-price figure for each alternate. Each alternate price shall include all labor, materials, tools, equipment, profit, overhead and any/all incidental costs.
- C. Questions:
 - 1. If there is a question regarding the extent, scope, nature, or intent of the alternates, contact the Contract Administrator for clarification.
 - 2. Failure on the part of the Contractor to clarify any unclear items shall not relieve the Contractor of the responsibility for performing the selected alternates in accordance with the intent and requirements of the Contract Documents.
 - 3. The description of the alternates hereinafter is qualitative and not quantitative; the Contractor shall determine the quantities of labor and materials and the extent of same required to execute the selected alternates in accordance with the intent and requirements of the Contract Documents.
 - 4. The applicable Sections of the Specifications apply to the work under each alternate.

1.03 SCHEDULE OF ALTERNATES

- A. Alternate 1:
- Alternate 2:
- Alternate 3:

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

The Contract will allow Owner to make:

- 1. Progress payments no later than 30 days after the date the Owner approved all Work.
- 2. Final payment of all remaining amounts no later than 30 days after the date the Owner approved all Work.

SECTION 01 24 76

APPLICATIONS FOR PAYMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Work of this Section includes forms and procedures for progress payments.
- B. For the primary discussion of payments, refer to OSU General Conditions.

1.02 APPLICATION FORMS

- A. For applications for payment, use sample Contract Payment Request (see below), contract payment request on company letterhead, or AIA Document G702, supported by AIA Document G703, Continuation Sheet, or similar document.
- B. Prepare the Schedule of Values to be arranged by OSU Assets as defined by the Owner so that each major item of Work and each subcontracted item of Work is shown as a line item broken down in terms of material and labor costs on AIA Document G703, Application Certification of Payment, Continuation Sheet or similar format. The sample continuation sheet shall be the minimum Schedule of Values breakdown.
- C. The Schedule of Values shall be submitted for review by the Owner prior to the first application for payment; and may be used when, and only when, accepted in writing by the Owner.
- D. Payment request is to include the Contractor's Federal Tax Identification number and return address.

1.03 PAYMENTS

- A. The Owner will make progress payments on account of the Contract once monthly for the scheduled duration of the project (i.e. three (3) payments on a three-month project), based on the value of work accomplished or materials on the job site, as stated in the Schedule of Values on the Application and Certificate Payment.
- B. Complete and forward Application to the Owner on or about the 15th day of each month for work performed the previous month and include certified payroll statements as specified in the OSU General Conditions.
- C. Submit one (1) copy of forms requesting payment to the Owner.
- D. Payments will be made on protected materials on hand at the job site properly stored, protected, and insured in accordance with the Continuation Sheet contained herein.
- E. Estimated quantities shall be subject to the Owner's review and judgment.

1.04 EARLY PURCHASE AND PAYMENT OF MATERIALS AND EQUIPMENT

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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- A. Order materials and equipment requiring a long lead or waiting time early so as not to delay progress of the Work.
- B. The Contractor will be reimbursed for early order materials or equipment upon receipt and verification of quality and quantity against submittals and shipping documents by the Owner's Authorized Representative.
- C. Receipt shall be to the job site or stored at Owner's other premises in an orderly and safe manner, secured from normal weather damage.
- D. Security remains the responsibility of the Contractor.

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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CONTRACT PAYMENT REQUEST

DATE: _____

TO: University Financial Services
Oregon State University
850 SW 35th St.
Corvallis, OR 97333
FacServContracts@oregonstate.edu

Payment Request No. _____ Contract No. _____ Period from _____ to _____

Project: _____

Original Contract Amount \$ _____

Change Orders (Net Amount) \$ _____

Contract Total to Date \$ _____

=====

Total Completed and Stored to Date \$ _____

Less Retainage (5%), if applicable \$ _____

Total Earned, Less Retainage (if applicable) \$ _____

Less Previous Payments \$ _____

Net Amount Due this Request.....\$ _____

The undersigned Contractor certifies that, to the best of their knowledge, information, and belief, the Work covered by this request has been completed in accordance with the Contract Documents, that all amounts have been paid for Work for which previous applications for Payment were issued and payments received from the Owner, and that the amount shown herein is now due.

Contractor: _____

By: _____ Date: _____

Federal Tax ID Number: _____

Address: _____

CONTINUATION SHEET

NOTES:

Amounts are stated to the nearest penny.

Use Column I on Contracts where variable retainage for line items may apply, or if retainage is required.

Change Orders are usually listed as the last items of the basic schedule.

Project Name:

Application No.:

Date:

Period To:

Project No.:

[illegible]

SECTION 01 25 00

PRODUCT SUBSTITUTION PROCEDURES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. General administrative and procedural requirements for the Work in relation to substitutions and product options.
- B. Related Work Specified Elsewhere:
 - 1. Solicitation Document (if applicable).
 - 2. OSU General Conditions.

1.02 REQUESTS FOR SUBSTITUTIONS

- A. Requests for substitution of products in place of those specified shall be in accordance with Solicitation Document (if applicable), and as specified herein.

1.03 CONTRACTOR'S RESPONSIBILITIES

- A. Investigate proposed products and determine that they are equal or superior in all respects to products specified.
- B. Provide same guarantee for accepted substitutions as for products specified.
- C. Coordinate installation of accepted substitutions into the Work, making such changes as may be required for the Work to be complete in all respects.

1.04 SUBSTITUTIONS DURING BIDDING

- A. Submit one electronic copy of the following information with each request to the Owner:
 - 1. Substitution request form provided below.
 - 2. Comparison of proposed substitution with product, material or system specified.
 - 3. Complete data, substantiating compliance of proposed substitution with the Contract Documents.
 - 4. Test numbers and supporting reports, indicating compliance with referenced standards.
 - 5. Evidence that warranty requirements are acceptable.
 - 6. Details indicating specific deviations proposed for the substitution.
 - 7. Reference and applicable Specification sections.
 - 8. Applicable product samples.
- B. All substitution requests shall be received by the Contract Administrator prior to the deadline for questions as identified in the Solicitation Document. Requests received after this date may not be considered. Request received by anyone other than the Contract Administrator may not be considered.

1.05 SUBSTITUTIONS DURING CONSTRUCTION

- A. Substitutions will be considered after date of Contract for cause. Contractor shall submit the Substitution Request Form provided herein to Owner's Authorized Representative and Design

Insert Project Name

Month, Year

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Professional in a Request for Information (RFI).

- B. One or more of the following conditions must be documented in any such request:
 - 1. Required for compliance with final interpretation of code or insurance requirements.
 - 2. Required due to unavailability of a specified product.
 - 3. Required because of the inability of the specified product to perform properly or to fit in the designated space.
 - 4. Substitution would be substantially in the best interest of the Owner in terms of cost, time, or other considerations. All cost savings from substitutions during construction shall be returned to the Owner with all cost increases being borne by the Contractor.

1.06 SUBSTITUTIONS NOT PERMITTED

- A. If implied on submittals without first requesting approval thereof.
- B. If acceptance will require substantial revision of the Contract Documents.

1.07 ACCEPTANCE

- A. Accepted substitutions do not change the Work of the Contract. A substitution must be documented and incorporated into the Work by Addendum, Change Order, Construction Change Directive, Architectural Supplemental Instruction, or similar instrument.

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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SUBSTITUTION REQUEST FORM

TO: _____

PROJECT: _____

SPECIFIED ITEM:

Section	Page	Paragraph	Description
---------	------	-----------	-------------

The undersigned requests consideration of the following:

PROPOSED SUBSTITUTION: _____

Attached data includes product description, specifications, drawings, photographs, performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified. Attached data also includes description of changes to Contract Documents which proposed substitution will require for its proper installation.

The undersigned states that the following paragraphs, unless modified on attachments, are correct:

1. The proposed substitution does not affect dimensions shown on Drawings.
2. The undersigned will pay for changes to the building design, including engineering design, detailing and construction costs caused by the requested substitution.
3. The proposed substitution will have no adverse effect on other trades, the construction schedule, or specified warranty requirements.
4. Maintenance and service parts will be locally available for the proposed substitution.

The undersigned further states that the function, appearance and quality of the Proposed Substitution are equivalent or superior to the Specified Item.

Submitted by:

Signature _____

Firm _____

Address _____

For use by Design Consultant:

☐ Accepted ☐ Accepted as noted

☐ Not Accepted ☐ Received too late

_____ By _____

Date _____ Date _____

Telephone _____ Remarks _____

E-Mail _____

Attachments:

Insert Project Name

Month, Year

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SECTION 01 31 19

PROJECT MEETINGS

PART 1 GENERAL

1.01 PRE-CONSTRUCTION MEETING

- A. Design Professional, Contractor and Owner will meet prior to start of the Work after notice to proceed to discuss at least the following topics and any others of mutual interest. Contractor to prepare agenda for Owner's review and comment at least 1 week prior to the meeting. Contractor to revise agenda prior to meeting as needed.

1. Schedule of Values to be arranged by OSU Assets as defined by the Owner
2. List of sub-contractors
3. Monthly payment date/Standard Operating Procedures (SOP) for pay requests
4. Early purchase of, and/or lead time requirements for material and equipment/prepurchase of equipment
4. Change Order process
5. Other Contracts processes (i.e. retention, close-out, etc.)
6. Labor provisions/labor rates for subs/BOLI
7. Permit Status/tree protection/erosion control
8. Project Limits/Portion of site to be occupied by construction
9. Parking/Staging areas
10. Use of site, maintenance of access, temporary facilities, safety and background checks (if applicable)
11. Coordination procedures and separate contracts
12. Tobacco free campus requirements
13. Owner access during construction.
14. Material submittals/deferred submittals
15. Review of Contract Documents/review ADA requirements/cross-slopes
17. Progress schedules
18. Critical Work sequencing
19. Safety and emergency procedures/24-hour contact numbers
20. Security procedures
21. Hazardous materials
22. Progress meetings
23. Special Inspection and Testing, Design Professional Observation and any other inspections

- B. Location of Meeting: Project site, or otherwise specified by Owner

- C. Contractor to provide meeting minutes.

1.02 PROGRESS MEETINGS

- A. The Contractor will schedule and administer progress meetings and will:

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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1. Prepare agendas.
 2. Schedule progress meetings, frequency, time and day to be determined during pre-construction meeting.
 3. Prepare and distribute updated project and 2-4 week look-ahead schedules as agreed appropriate.
 4. Make physical arrangements for and preside at meetings.
 5. Record minutes and include decisions.
 6. Distribute copies of minutes to participants within four (4) days after meetings.
- B. Location of Meetings: Project Site, unless otherwise specified by Owner.
- C. Attendance:
1. The Owner or Owner's Authorized Representative.
 2. Contractor.
 3. Subcontractors affected by agenda.
 4. Design Professional as necessary.
 5. Others as necessary.
- D. Minimum Agenda:
1. Review and approve minutes from previous meeting.
 2. Review Work progress since previous meeting.
 3. Discuss field observations, and problems.
 4. Review delivery schedules, construction schedule, and identify problems which impede planned progress.
 5. Review proposed changes.
 6. Material submittals.
 7. Note all new subcontractors performing Work at the job site.
 8. Other items as necessary (i.e. budget, safety, start-up, etc.)

1.03 PRE-INSTALLATION MEETINGS

- A. If applicable, technical specification sections will identify any pre-installation meeting requirements.
- B. Contractor to prepare agenda for Owner's review and comment at least 1 week prior to the meeting. Contractor to revise agenda prior to meeting as needed.
- C. Contractor to provide Meeting minutes

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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SECTION 01 33 23

SHOP DRAWINGS, PRODUCT DATA, SAMPLES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Submit to the Owner and Design Professional shop drawings, samples, and product data (such as manufacturer's standard schematic drawings and other literature) when required by individual Specifications sections.
- B. Related Work Specified Elsewhere
 - 1. OSU General Conditions.

1.02 SUBMITTAL SCHEDULING

- A. Submittal Schedule: Submit to Owner and Design Professional a schedule for all submittals in tabular format. Submittal schedule to be approved by Design Professional.
 - 1. Submit at the same time as the initial construction schedule.
 - 2. Coordinate with Contractor's construction schedule and schedule of values.
 - 3. Arrange information to include: specification number and title; scheduled date for initial submittal; date review comments to be returned; date for one additional revised submittal issuance; date for review comments to be returned; submittal category (for review or for information); description of item of work covered; and role and name of subcontractor.
 - 4. Account for time required for preparation, review (including re-reviews), manufacturing, fabrication and delivery when establishing submittal delivery and review deadline dates.
 - 5. Update weekly and issue to Owner and Design Professional (can be included as attachment to weekly Owner Architect Contractor (OAC) meeting minutes).
- B. Submittals to be reviewed by Owner and Design Professional shall be sent to the Owner at least 20 calendar days before the date each is required for fabrication or installation unless stated differently in the Contract Documents.
- C. Submittals to be reviewed by Owner's property insurance carrier shall be sent to Owner (Project Manager) as directed in individual specification sections.
- D. Submittals involving Substitution requests or other modifications requiring review by the Owner and/or the Design Professional shall be sent to the Owner and Design Professional as an Request for Information (RFI).

1.03 SUBMITTAL CONTENT AND FORMAT

- A. General Requirements:
 - 1. Shop Drawings: Submit in electronic format.
 - 2. Product Data: Submit electronically.

Insert Project Name

Month, Year

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3. Samples: Submit the number and type stated in each Specification Section. Submit a minimum of three sets of color samples where color selection is required.
4. Submittals shall include:
 - a. Date and revision dates return date requested.
 - b. Project title and OSU project number.
 - c. The names of the Contractor, subcontractor, supplier, and manufacturer.
 - d. Identification of product or material, with Specification Section number.
 - e. Relation to adjacent critical features of work or materials.
 - f. Field dimensions, clearly identified as such.
 - g. Applicable standards, such as ASTM number or Federal Specification.
 - h. Identification of deviations from Contract Documents, and for products accompanied by Substitution request as required by Section 01 25 00.
 - i. Provide space for Contractor, Design Professional review stamps.
 - j. Contractor's stamp legibly signed, essentially as follows:

"The undersigned, acting on behalf of the Contractor, certifies that this submittal has been reviewed and is approved; products have been verified as being as specified, field measurements and field construction criteria have been or will be coordinated, and the submittal is in compliance with Contract Documents."
5. Re-submission Requirements:
 - a. Revise initial drawings as required and resubmit as specified for initial submittal.
 - b. Indicate on drawings any changes which have been made other than those requested by the Owner or Design Professional.
6. The Owner and/or Design Professional may return without review any submittal not meeting the requirements listed above.
7. Schedule submittals to expedite the Project, and coordinate submission of related items.
 - a. For each submittal for review, allow [14] days for review and comments for each review.
 - b. Submittals received after 3:00 PM PDT will be considered as having been received on the following day.
 - c. Submittals received after 3:00 PM PDF on a Friday will be considered as having been received on the following Monday or regular business day.
- B. Shop Drawings:
 1. Present data in a clear and thorough manner.
 2. Details within the submittals shall be identified by reference to sheet and detail, schedule or room numbers shown on Contract Documents.
 4. Minimum sheet Size: 8 ½ x 11".
 5. Minimum Font Size: 10 point.
- C. Product Data:
 1. Manufacturer's catalog sheets, brochures, diagrams, schedules, performance charts, illustrations and other standard descriptive data:
 - a. Clearly mark each copy to identify pertinent product or models.
 - b. Show dimensions, weights, and clearances required.

Insert Project Name

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Notice of Extended Payment Provision

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- c. Show performance data consisting of capabilities, ROM, KW, pressure drops, design characteristics and consumption; conforming as closely as possible to the test methods referenced in the Plans and Specifications.
 - d. Show wiring or piping diagrams and controls.
 - 2. Manufacturer's standard schematic drawings and diagrams:
 - a. Modify to delete information which is not applicable.
 - b. Supplement standard information to provide information specifically applicable to the Work.
- D. Samples:
- 1. Ensure that samples are of sufficient size to indicate the general visual effect or color.
 - 2. Where samples must show a range of color, texture, finish, graining, or other property, submit sets of pairs illustrating the full scope of this range.
 - 3. One (1) sample or one (1) set of approved samples will be retained by the Design Professional, (1) set of samples to be retained on-site by Contractor; final work will be measured against approved samples.

1.04 QUALITY ASSURANCE

- A. Process submittals in ample time for review, as applicable, so as to not delay the Work.

1.05 DEFINITIONS

- A. The Design Professional will mark reviewed materials as follows:
- 1. "Approved" or "No Exception Taken," which means fabrication, manufacture and/or installation may proceed.
 - 2. "Approved as Noted" or "Make Revisions Noted," which means fabrication, manufacture and/or installation may proceed with revisions as noted.
 - a. At Contractor's option, submit correct item, with review notations acknowledge and incorporated.
 - 3. "Revise and Resubmit," which means that fabrication, manufacture and/or installation may not proceed.
 - 4. "Rejected," which means do not proceed; make arrangements for the review of the proposed Work with the Design Professional as soon as possible, or resubmit item complying with requirements of Contract Documents
 - 5. "Not Required to be Reviewed" means that submittal is not requested or item is not specified under Contract Documents. Includes items that are Contractor Means and Methods.

1.06 PROCESSING

- A. Contractor shall review submittals, make necessary corrections, and become familiar with the content of the submittals.
- B. Contractor shall mark each item with Contractor's stamp.
- C. Contractor shall accompany submittals with a transmittal letter bearing the date, project name, Contractor's name, number of items, and other pertinent data.

Insert Project Name

Month, Year

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- D. One copy of each reviewed submittal shall be kept on the job site at all times.

END OF SECTION

Insert Project Name

Month, Year

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SECTION 01 42 13

ABBREVIATIONS AND SYMBOLS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. If not defined in the Construction/Contract Document drawing set, words which may be found elsewhere in the Construction/Contract Documents are abbreviated in accordance with the standards set forth below:

A/C	air conditioning	BO	bottom of
AB	anchor bolt	BOT	bottom
ABV	above	BRZ	bronze
AC	asphaltic concrete		
ACOUST	acoustical	CAB	cabinet/cabinetry
ACT	acoustical ceiling tile	CB	catch basin
AD	area drain	CEM	cement
ADD	addendum	CF	cubic foot
ADD'L	additional	CFOI	contractor furnished owner installed
ADH	adhesive	CG	corner guard
ADJ	adjustable	CH	ceiling height
AFF	above finish floor	CI	cast iron
AGG	aggregate	CIP	cast in place
AHU	air handling unit	CJ	control joint
AL	aluminum	CKBD	chalkboard
ALLOW	allowable	CL	centerline
ALT	alternate	CLO	closer/closet
ANOD	anodized	CLG	ceiling
AP	access panel	CLR	clear(ance)
APPROX	approximate	CM	construction manager
ARCH	architect(ural)	CMT	ceramic mosaic (tile)
ASPH	asphalt	CMU	concrete masonry unit
AUTO	automatic	CNTR	counter (flashing)
AV	audio visual	COL	column
AVE	avenue	COM	communications
AWP	acoustical wall panel	CONC	concrete
		COND	condition
BD	board	CONN	connect(ion)
BFF	below finish floor	CONST	construction
BIT	bituminous	CONT	continuous or continue
BLDG	building	CONTR	contract(or)
BLKG	blocking	CORR	corridor
BM	bench mark, beam	CPT	carpet

Insert Project Name

Month, Year

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CRS course(s)
CS countersink
CSMT casement
CT ceramic tile
CTR center
CUH cabinet unit heater
CVG clear vertical grain
CW cold water
CWT ceramic wall tile
CY cubic yard

D depth
DBL double
DEMO demolish, demolition
DEP depressed
DET detail
DF drinking fountain
DIA diameter
DIAG diagonal
DIM dimension
DIM PT dimension point
DISP dispenser
DIV division
DL dead load
DMT demountable
DN down
DP dampproofing
DR door
DS downspout
DT drain tile
DTL detail
DW dumbwaiter
DWG drawing(s)
DWR drawer

E east
EA each
EB expansion bolt
EF each face
EJ expansion joint
EL/ELEV elevation
ELEC electric(al)
EMBED embedment
EMER emergency

Insert Project Name
Month, Year

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ENCL enclose(ure)
ENGR engineer
EO edge of
EP electrical panel board
EQ equal
EQUIP equipment
EST estimate
EVT equiviscous temperature
EW each way
EWC electric water cooler
EXIST/(E) existing
EXH exhaust
EXP exposed
EXT exterior

FA fire alarm
FAF fluid applied flooring
FARF fluid applied resilient floor
FAS fasten, fastener
FBD fiberboard
FBT finished blowing temperature
FD floor drain, fire damper
FDN foundation
FE fire extinguisher
FEC fire extinguisher cabinet
FF finish floor
FFE finish floor elevation
FFN factory finish
FGL fiberglass
FHMS flathead machine screw
FHWS flathead wood screw
FIN finish(ed)
FLASH flashing
FLCO floor cleanout
FLR floor(ing)
FLUOR fluorescent
FOC face of concrete
FOF face of finish
FOIC furnished by owner/installed by contractor
FOIO furnished by owner/installed by owner
FOM face of masonry
FP fireproofing, flash point
FPHB freeze-proof hose bib

FR	fire resistive, fire rated	INV	invert
FRM	frame(d), (ing)	JAN	janitor
FS	full size	JB	junction box
FSS	finished structural slab	JC	janitor's closet
FT	foot/feet	JT	joint
FTG	footing		
FTS	finished topping slab	KD	kiln dried
FURR	furring	KCP	Keene's cement plaster
FUT	future	KO	knockout
		KP	kick plate
GA	gage, gauge		
GALV	galvanized	L	length
GB	grab bar or gypsum board	LAB	laboratory
GC	general contractor	LAM	laminated(d)
GI	galvanized iron	LAV	lavatory
GL	glass, glazing	LBS	pounds
GLS	glass resin wall surfacing	LF	linear foot or feet
GLULAM	glue laminated	LH	left hand
GND	ground	LL	live load
GWB	gypsum wall board	LONGIT	longitudinal
GYP	gypsum	LP	low point
		LT	light
HB	hose bibb	LVR	louver
HBD	hardboard	LW	lightweight
HC	hollow core		
HD	heavy duty	MATL	material
HDR	header	MAX	maximum
HDW	hardware	MB	machine bolt
HM	hollow metal	MECH	mechanic(al)
HORIZ	horizontal	MEMB	membrane
HP	high point	MFR	manufacture(r)
HR	hour	MH	manhole
HT	height	Min	minimum, minute
HTG	heating	MISC	miscellaneous
HVAC	heating, ventilating, air conditioning	MO	masonry opening
HWD	hardwood	MO#	model number
HWH	hot water heater	MOD	modular
		MPH	miles per hour
ID	inside diameter, identification	MS	machine screw
IN	inch	MTD	mounted
INCIN	incinerator	MTL	metal
INCL	include(d), (ion)	MULL	mullion
INSUL	insulation	MWP	membrane waterproofing
INT	interior		

Insert Project Name

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N	north	PTD	paper towel dispenser
(N)	new	PTN	partition
NA	not applicable	PVC	polyvinyl chloride
NAT	natural, natural finish	PWD	plywood
NIC	not in contract		
NO	number	QT	quarry tile
NOM	nominal	QTR	quarter
NTS	not to scale		
		R	riser
OA	overall	RA	return air
OBS	obscure	RAD	radius
OC	on center	RB	resilient base
OD	outside diameter/dimension	RCP	reflected ceiling plan
OF	overflow	RD	roof drain
OFCI	owner furnished contractor installed	REC	recessed
OFOI	owner furnished owner installed	REF	reference
OHMS	ovalhead machine screw	REFR	refrigerator
OHWS	ovalhead wood screw	REINF	reinforce(ing), (ed)
OPER	operable	REQ	required
OPNG	opening	RES/RESIL	resilient
OPP	opposite	RET'G	retaining
OPT	optional	REV	revision(s), revised
OVHD	overhead	RFG	roofing
OZ	ounce(s)	RFL	reflected
		RH	right hand
P	paint(ed)	RM	room
PAV	paving or pavers	RO	rough opening
PB	push button	RR	restroom
PCF	pounds per cubic foot	RSF	resilient sheet flooring
PERF	perforate(d)	RTU	roof top unit
PL	plate, property line		
PLAM	plastic laminate	S	south
PLAS	plaster	SB	splashblock
PLMB	plumbing	SC	solid core
PNL	panel	SCHED	schedule
PP	push plate	SD	soap dispenser
PR	pair	SECT	section
PREFIN	prefinished	SF	square feet (foot)
PRELIM	preliminary	SH	shelf, shelving
PREP	prepare	SHT	sheet
PSF	pounds per square foot	SHTHG	sheathing
PSI	pounds per square inch	SHWR	shower
PT	point, pressure treated	SIM	similar
		SL	sleeve

Insert Project Name

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SND	sanitary napkin disposal	TW	top of wall
SOG	slab on grade	TYP	typical
SPEC	specification(s)		
SQ	square	UNFIN	unfinished
SS	storm sewer	UNO	unless noted otherwise
S4S	finished 4 sides	UR	urinal
SD	storm drain		
SPKR	speaker	V	voltage
SS	stainless steel	VAT	vinyl asbestos tile
ST	stone	VB	vapor barrier
STC	sound transmission class	VCT	vinyl composition tile
STD	standard	VENT	ventilation
STL	steel	VERT	vertical
STR	street	VEST	vestibule
STOR	storage	VG	vertical grain
STRUCT	structural	VIF	verify in field
SUPP	supplement	VG	vertical grain
SUPT	support	VNR	veneer
SURF	surface	VWC	vinyl wall covering
SUSP	suspended		
SV	sheet vinyl	W	width, wide, west
SYM	symmetrical	W/	with
SYS	system	W/O	without
		WC	water closet
T	tread	WD	wood
TBM	top bench mark	WDB	wood base
T&G	tongue and groove	WDW	window
TB	towel bar	WGL	wire glass
TC	top of curb	WH	water heater
TEL	telephone	WP	waterproof(ing)
TEMP	tempered	WNS	wainscot
THK	thickness	WR	water resistant
THRU	through	WRB	water resistant barrier
TKBD	tackboard	WS	waterstop
TO	top of	WSCT	wainscot
TOC	top of concrete	WT	weight
TOL	tolerance	WTR	water
TOS	top of steel	WW	window wall
TOW	top of wall	WWC	wood wall covering
TP	top of paving	WWF	woven wire fabric
TPD	toilet paper dispenser		
TRANS	transverse		
TS	top of slab		
TV	television		

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Notice of Extended Payment Provision

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- B. If not defined in the Construction/Contract Document drawing set, symbols which may be found elsewhere in the Construction/Contract Documents are in accordance with the standards set forth below:

& and	λ angle	@ at
⌀ diameter, round	" inches	X by (as in 2 by 4)
' feet	⊥ perpendicular	/ per
% percent	# pound, number	

END OF SECTION

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SECTION 01 42 16

DEFINITIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Words which may be found elsewhere in the Contract Documents are defined in accordance with the standards set forth below:

Approve:

Where used in conjunction with the Design Professional's response to submittals, requests, applications, inquiries, reports and claims by Contractor, the meaning of term "approved" will be limited to the Design Professional's responsibilities and duties as specified in General and Supplementary Conditions. In no case will "approval" by Design Professional be interpreted as a release of Contract requirements.

As Detailed, As Shown:

Where "as detailed", "as shown" or words of similar importance are used, it shall be understood that reference to the Drawings accompanying the Specifications is made unless otherwise stated.

As Directed, As Required, As Authorized, As Reviewed, As Accepted:

Where "as directed", "as required", "as authorized", "as reviewed", "as accepted" or words of similar importance are used, it shall be understood that the direction, requirement, permission, authorization, review, or acceptance of the Design Professional is intended, unless otherwise stated.

As Indicated:

Where "as indicated" is used it shall be understood that reference to Drawings and/or Specifications is made unless otherwise stated.

Directed, Requested, etc.:

Terms such as "directed," "requested," "authorized," "selected," will be understood as "directed by Design Professional," "requested by Design Professional," and similar phrases shall not be interpreted to extend Design Professional's responsibility into Contractor's responsibility for construction supervision.

Furnish:

Except as otherwise defined in greater detail the term "furnish" is used to mean supply and deliver to project site, ready for unloading, unpacking, assembly, installation, etc., as applicable in each instance.

Indicated:

The term "indicated" is a cross-reference to graphic representations, notes or schedules on drawings, to other paragraphs or schedules in the specifications and to similar means of recording requirements in Contract Documents. Where terms such as "shown," "noted," "scheduled," and "specified" are used in lieu of "indicated," it is for purpose of helping reader locate cross-reference and no limitation of location is intended except as specifically noted.

Install:

Except as otherwise defined in greater detail, the term "install" is used to describe operations at project site including unloading, unpacking, assembly, erection, placing, anchoring, applying, working to dimension,

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finishing, curing, protecting, cleaning and similar operations, as applicable in each instance.

Installer:

The term "installer" is defined as the entity (person or firm) engaged by Contractor, or its subcontractor or sub-subcontractor for performance of a particular unit of Work at project site, including installation, erection, application and similar required operations. It is a general requirement that such entities (Installers) be expert in operations they are engaged to perform.

Provide:

Except as otherwise defined in greater detail, term "provide" means furnish and install, complete and ready for intended use, as applicable in each instance.

END OF SECTION

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SECTION 01 42 19

REFERENCE STANDARDS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Quality Assurance.
- B. Location of References.
- C. Schedule of References.

1.02 QUALITY ASSURANCE

- A. For products or quality of work specified by association, trade, or federal standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard by date of issue current on date of Contract Documents.
- C. General Applicability of Standards: Except where Contract Documents include more stringent requirements, applicable standards of the construction industry have the same force and effect as if bound or copied directly into Contract Documents.
- D. Such standards are made a part of the Contract Documents by reference.
- E. Individual sections indicate which codes and standards the Contractor must keep at the project site, available for reference.
- F. Referenced industry standards take precedence over standards which are not referenced but recognized in industry as applicable.
- G. Non-referenced standards are not directly applicable to the Work, except as a general requirement of whether the Work complies with standards recognized in the construction industry.

1.03 SCHEDULE OF REFERENCED ASSOCIATIONS

- AIA American Institute of Architects
www.aia.org

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AISC	American Institute of Steel Construction www.aisc.org
AISI	American Iron and Steel Institute www.steel.org
ANSI	American National Standards Institute www.ansi.org
APA	American Plywood Association www.apawood.org
ASHRAE	American Society of Heating, Refrigerating, and Air Conditioning Engineers www.ashrae.org
ASTM	American Society for Testing and Materials www.astm.org
AWPA	American Wood Protection Association www.awpa.com
AWS	American Welding Society www.aws.org
BIA	Masonry Institute of America www.masonryinstitute.org
BOLI	Oregon Bureau of Labor and Industries www.oregon.gov/boli
CCB	Construction Contractors Board www.oregon.gov/ccb
CDA	Copper Development Association www.copper.org
CISPI	Cast Iron Soil Pipe Institute www.cispi.org
CSI	Construction Specification Institute www.csiresources.org
DEQ	Department of Environmental Quality (Oregon) www.oregon.gov/deq

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DHI	Door and Hardware Institute www.dhi.org
EPA	U.S. Environmental Protection Agency www.epa.gov
FM	Factory Mutual System www.fmglobal.com
FS	Federal Specification General Services Administration Specifications and Consumer Information Distribution Section (WFSIS) https://fedspecs.gsa.gov/s/federal-specifications
ICC	International Building Codes www.iccsafe.org/
ICBO	International Conference of Building Officials www.iccsafe.org/
IRS	Internal Revenue Service www.irs.gov
ISA	International Society of Automation www.isa.org
NAAMM	National Association of Architectural Metal Manufacturers www.naamm.org
NEMA	National Electrical Manufacturers' Association www.nfpa.org/NEC
NESC	National Electrical Safety Code www.ieee.org
NFPA	National Fire Protection Association www.nfpa.org
NRCA	National Roofing Contractors' Association www.nrca.net
OAR	Oregon Administrative Rules https://sos.oregon.gov/archives/Pages/oregon_administrative_rules.aspx

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OESP	State of Oregon Electrical Specialty Code https://www.oregon.gov/bcd/codes-stand/pages/electrical.aspx
ORS	Oregon Revised Statutes https://www.oregonlegislature.gov/bills_laws/pages/ors.aspx
OSHA	Occupational Safety and Health Administration www.osha.gov
OSSC	Oregon Structural Specialty Code https://www.oregon.gov/bcd/codes-stand/pages/commercial-structures.aspx
PLIB	Pacific Lumber Inspection Bureau www.plib.org
PS	Product Standards https://www.trade.gov/product-standards
SDI	Steel Door Institute www.steeldoor.org
SMACNA	Sheet Metal and Air Conditioning Contractors' National Association www.smacna.org
SPRI	Single Ply Roofing Institute www.spri.org
SSPC	The Society for Protective Coatings www.sspc.org
SWRI	Sealing, Waterproofing and Restoration Institute www.swrionline.org
UBC	Uniform Building Code (See ICBO)
UFC	Uniform Fire Code www.nfpa.org
UL	Underwriters' Laboratories, Inc. www.ul.com
UMC	Uniform Mechanical Code www.iapmo.org

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UPC Uniform Plumbing Code
www.iapmo.org

USDOT Department of Transportation
www.transportation.gov

WHL Warnock Hersey Laboratories
www.intertek.com

WWPA Western Wood Products Association
www.wwpa.org

1.05 REFERENCE STANDARDS

- A. General: Comply with the provisions of the latest versions of the publications listed below except as otherwise shown or specified.
- B. American Concrete Institute (ACI):
 - 1. ACI 301 Specifications for Structural Concrete
- C. American Institute of Steel Construction (AISC):
 - 1. AISC 341 Seismic Provisions for Structural Steel Buildings
 - 2. AISC 360 Specification for Structural Steel Buildings
- D. American National Standards Institute (ANSI)/American Society for Nondestructive Testing (ASNT):
 - 1. ANSI/ASNT CP-189-1995
 - 2. ANSI/ASNT SNT-TC-1A
- E. American Society for Testing and Materials (ASTM). The following are specifically referenced for structural steel testing:
 - 1. ASTM A435 Standard Specification for Straight-Beam Ultrasonic Examination of Steel Plates
 - 2. ASTM A898 Standard Specification for Straight Beam Ultrasonic Examination of Rolled Steel Structural Shapes
 - 3. ASTM E114 Standard Practice for Ultrasonic Pulse-Echo Straight Beam Contact Testing
 - 4. ASTM E164 Standard Practice for Contact Examination of Weldments
 - 5. ASTM E329 Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
 - 6. ASTM E543 Standard Practice for Agencies Performing Non-destructive Testing
 - 7. ASTM E587 Standard Practice for Ultrasonic Angle-Beam Contact Testing
 - 8. ASTM E709 Standard Guide for Magnetic Particle Testing
 - 9. ASTM E1212 Standard Practice for Establishing Quality Management Systems for Nondestructive Testing Agencies
 - 10. ASTM E1444 Standard Practice for Magnetic Particle Testing

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- F. American Society for Testing and Materials (ASTM). The following are specifically referenced for concrete testing:
1. ASTM C31 Practice for Making and Curing Concrete Test Specimens in Field
 2. ASTM C33 Specification of Concrete Aggregates
 3. ASTM C39 Test Method for Compressive Strength of Cylindrical Concrete Specimens
 4. ASTM C42 Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
 5. ASTM C94 Specification for Ready-Mixed Concrete
 6. ASTM C143 Test Method for Slump of Hydraulic Cement Concrete
 7. ASTM C172 Practice for Sampling Freshly Mixed Concrete
 8. ASTM C173 Test Method for Air Content of Freshly Mixed Concrete by Volumetric Method
 9. ASTM C192 Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory
 10. ASTM C231 Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
 11. ASTM C597 Test Method for Pulse Velocity Through Concrete
 12. ASTM C803 Test Method for Penetration Resistance of Hardened Concrete
 13. ASTM C805 Test Method for Rebound Number of Hardened Concrete
- G. American Welding Society (AWS):
1. AWS D1.1 Structural Welding Code – Steel
 2. AWS D1.8 Structural Welding Code - Seismic Supplement
- H. Research Council on Structural Connections (RCSC):
1. RCSC Specification for Structural Joints Using High-Strength Bolts

END OF SECTION

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SECTION 01 45 00

QUALITY CONTROL

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Codes, regulations and permits.
- B. Procedures for quality control.

1.02 OWNER RESPONSIBILITIES

- A. Owner will employ and pay for services of an independent testing laboratory to perform inspection, sampling and testing as required by Authority Having Jurisdiction (AHJ) and Owner.
- B. Owner's Authorized Representative will provide on-site observation during construction.

1.03 CODES, REGULATIONS AND PERMITS

- A. All Work shall conform with the Oregon Structural Specialty Code (OSSC) based on the International Building Code (IBC), as amended by the State of Oregon Building Codes Division and the edition designated by the governing authority.
- B. Contractor shall comply with all applicable state and local construction codes.
- C. References to codes, Specifications and standards referred to in the Contract Documents shall mean, and are intended to be, the latest edition, amendment or revision of such reference standard in effect as of the date of these Contract Documents.
- D. The Owner shall be responsible for all permits and AHJ plan review fees; the Contractor shall be responsible for all licenses and associated fees required for the Work.
 - 1. Contractor shall obtain the permit from the AHJ and is responsible for meeting permit requirements during the Work.
- E. Contractor shall arrange and attend all required permit inspections and furnish evidence of approved AHJ inspection reports per Section 01 77 00.

1.04 QUALITY OF WORK

- A. It is the true and specific intent of these Specifications that quality of Work on all phases of the construction and embracing all the trade sections shall be of high quality performed by workers skilled in their trade and performing their Work only according to the standard of best practice of the trade.
- B. All manufactured articles, materials, and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with manufacturer's directions unless otherwise specified.
- C. If Work is required in a manner to make it impossible to produce high quality Work, or should discrepancies appear among Contract Documents, request interpretation from Design

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Professional before proceeding with Work.

- D. Failure to secure interpretation may cause rejection by the Design Professional or owner of installation.

1.05 LAYOUT

- A. Be responsible for properly laying out the Work and for lines and measurements for the Work.
- B. Verify the figures shown on the drawings before laying out the Work and report errors or inaccuracies to the Design Professional before commencing Work.
- C. All layout of accessible features shall comply with the more restrictive of OSU's Design & Construction Standards (Accessibility Design Practices for OSU) and most current ADA Standards for Accessible Design and the latest adopted edition of the Oregon Structural Specialty Code (OSSC).
- D. Strict compliance with maximum slopes is required. All new sidewalks exceeding maximum slope requirements shall be removed and replaced by the contractor at their expense.

1.06 SUPERVISION

- A. The Contractor shall maintain effective supervision on the project at all times Work is being performed.
- B. The superintendent shall be the same person throughout the project and shall attend the preconstruction conference.

1.07 INSPECTIONS AND TESTING

- A. Contractor shall notify the Owner's Testing Agency, or AHJ, at least twenty-four (24) hours in advance of any required progress inspection
- B. Cooperate with laboratory personnel and/or inspectors, provide access to Work and furnish incidental equipment material and labor required for field testing and sample taking.

1.08 EVALUATION OF TESTS AND INSPECTIONS

- A. If results of tests and inspections indicate Work doesn't meet the minimum requirements of the Contract Documents, that portion of Work is subject to rejection.

1.09 ADJUSTMENTS

- A. Remove and replace rejected Work at Contractor's expense including costs of subsequent tests and inspections until Work meets requirements of Contract Documents.
- B. The Owner reserves the right to perform any testing as may be required to determine compliance with the Contract Documents.
- C. Costs for such testing will be the Owner's responsibility unless testing indicates noncompliance. Cost for such testing indicating noncompliance shall be borne by the Contractor.
- D. Noncomplying Work shall be corrected and testing will be repeated until the Work complies

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with the Contract Documents.

- E. Contractor will pay costs for retesting noncomplying Work.

END OF SECTION

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SECTION 01 51 00

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This Section specifies requirements for temporary services and facilities, including utilities, construction and support facilities, security and protection.

1.02 REGULATORY AGENCY REQUIREMENTS

- A. Regulations: Comply with industry standards and applicable laws and regulations of Authorities having Jurisdiction (AHJ).
- B. Standards: Comply with NFPA Code 241, "Building Construction and Demolition Operations", ANSI-A10 Series standards for "Safety Requirements for Construction and Demolition".
- C. Electrical Service: Comply with NEMA, NEC and UL standards and regulations for temporary electric service; install service in compliance with National Electric Code (NFPA 70).
- D. Inspections of Temporary Utilities: Arrange for AHJ to inspect and test each temporary utility before use; obtain required certifications and permits if required.

1.03 PROTECTION

- A. Protect sidewalks, asphalt paving, concrete, trees, shrubs, and lawn areas at all times from damage resulting from construction activities.
- B. Prevent materials from clogging catch basins and yard drains; leave drains clean and in proper working condition.
- C. Protect Existing Irrigation Systems:
1. In the event damage occurs to an underground irrigation system as a direct result of a Contractor's activities, the Contractor shall repair/replace or be assessed a charge at the discretion of the Owner.
 2. If repairs are to be made by the Contractor, the repairs will be inspected by the Owner's Authorized Representative prior to backfilling.
 3. Any galvanized pipe that requires repair shall be repaired at a threaded coupling, not by use of a compression coupling.
- D. Protect Existing Air Handling Systems:
1. Contractor shall be responsible for protection of the existing air handling system at all times. This protection shall include:
 - a. During site work or building demolition, prefilters shall be provided and maintained on all building outside air intakes at all times throughout the construction duration.
 - b. During any interior work that may create dust in the interior space and adjacent corridor/hallways, air filters shall be provided and maintained on all affected air return and exhaust grilles. Where air flow in or out of the space is not required, all air duct openings shall be temporarily blanked off with plywood or sheet metal.
 - c. Prior to starting any work, the Contractor shall record and submit to the Owner's

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- Authorized Representative, pressure readings across all existing air handler air filter banks before installation of new prefilters.
- d. Upon completion of all Work affecting existing air handling systems, the Contractor shall remove all temporary filters, covers and associated parts and restore the system to its original operating condition unless otherwise stated elsewhere in the Contract Documents
- E. Clean, repair, resurface, or restore existing surfaces to their original, or better, condition, or completely replace such surfaces to match existing where damaged by construction operations.
- F. Project Site security is the responsibility of the Contractor.
- G. Construction Debris:
1. Debris shall not be allowed to remain around the project site during performance of Work but shall be disposed of as rapidly as it accumulates.
 2. On completion of Work, the buildings and grounds shall be left in a condition that is equal to or better than original condition.
 3. In case of failure to do so, the Owner may remove rubbish and charge the cost to the Contractor.
- H. The Contractor shall manage a safe job environment for both the safety of all the people around the Work site as well as the safety of the Owner's and general public's property.
- I. The Contractor shall provide and maintain suitable barricades, shelters, lights, and danger signals during the progress of the Work; they shall meet the requirements of the local building code and OSHA.

1.04 DRAINAGE

- A. Verify that all rain drains in the construction areas are in working order and notify the Owner's Authorized Representative in writing of any rain drains that are plugged, prior to the start of the Work.
- B. Start of Work will be considered as acknowledgment that all drains are clear and in good working order.
- C. All drains shall be left in a clean and proper working condition.

1.05 CONSTRUCTION PROJECT SAFETY FORM

- A. Contractor shall submit to the Owner, prior to signing the Contract, the completed "Construction Project Safety Form", which is provided with instructions at the end of this Section. The completed form to include all required attachments.

1.06 TUNNEL ACCESS AND SAFETY

- A. Access into OSU's Tunnel system is regulated. OSU Energy Center Co-Generation Engineers are instructed to deny any request for keys from any Contractor that cannot provide the required information below in writing to the Project Manager and OSU Energy Center Co-Generation Engineers:
1. Names of ALL personnel entering tunnel. All personnel must have completed tunnel training in the last 12 months.
 2. Project name, Purpose for entry, location entry will be made and why.
 3. OSU Point of Contact (POC). If entry is requested by a Contractor or non-OSU person, they must provide an OSU POC.

1.07 TEMPORARY UTILITIES

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- A. Temporary Utilities:
 - 1. Prepare a schedule indicating dates for implementation and termination of each temporary utility.
 - 2. At the earliest feasible time, when acceptable to the Owner, change over from use of temporary service to use of the permanent service.
- B. Conditions of Use:
 - 1. Keep temporary services and facilities clean and neat in appearance.
 - 2. Operate in a safe and efficient manner.
 - 3. Take necessary fire prevention measures.
 - 4. Do not overload facilities or permit them to interfere with progress.
 - 5. Do not allow hazardous, dangerous or unsanitary conditions, or public nuisances to develop or persist on the site.
- C. Electrical Service:
 - 1. Service limited to 20-amp 120V circuits will be paid for by the Owner.
 - 2. Connection to the service shall be the responsibility of the Contractor, with the Owner's approval.
 - 3. Coordinate with the Owner's Authorized Representative.
- D. Water Service:
 - 1. Connection to the service shall be the responsibility of the Contractor, with the Owner's approval.
 - 2. Coordinate with the Owner's Authorized Representative.

1.08 TEMPORARY SUPPORT FACILITIES

- A. Temporary Sanitary Facilities:
 - 1. Provide and maintain an adequate number of facilities for the use of all persons employed on the Work during construction.
 - 2. Provide enclosed, weatherproof facilities with heat as required.
 - 3. Use of new or existing Owner's facilities will not be permitted.
- B. Temporary Heat and Ventilation:
 - 1. As necessary, provide temporary heat and ventilation required by construction activities, for curing or drying of completed installations or protection of installed construction from adverse effects of low temperatures or high humidity. Select safe equipment that will not have a harmful effect on completed installations or elements being installed. Coordinate ventilation requirements to produce the ambient condition required and minimize consumption of energy.
- C. Telephone Equipment: Provide telephone communications at project site.
- D. Existing Services:
 - 1. Do not interrupt any existing service.
 - 2. Prior request and approval of the Owner's Representative will enable the Owner to shut down any utility required by the Work.
 - 3. Contractor shall not shut down utilities.

1.09 TEMPORARY BARRIERS AND ENCLOSURES

- A. Provide barriers and fencing to prevent unauthorized entry to construction areas and to protect existing facilities and adjacent properties from damage.

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1. Provide tree protection as required by the AHJ, when applicable, prior to start of work.
 2. Maintain and provide protection for lawn, shrubs and trees behind temporary barriers and fencing.
- B. Provide Commercial grade chain link fence construction.
- C. Provide 6-foot-high fence around construction site as directed by Owner's Authorized Representative; equip with vehicular and pedestrian gates with lock.
- D. Exterior Closures: Provide temporary secured, weather-tight closures at exterior openings, to permit acceptable working conditions and protection of the Work.
- E. Interior Closures:
1. Provide temporary floor to ceiling partitions (not plastic sheeting) and ceilings as required to separate work areas from Owner occupied areas, to prevent penetration of dust and moisture into Owner occupied areas, to reduce construction noise, and to prevent damage to existing materials and equipment.
 2. Paint surfaces exposed to view from Owner occupied areas.

1.10 ODORS

- A. Work that causes excessive odors shall be performed only after coordination with the Owner's Authorized Representative. Filtering of air intakes to units may be required to prevent odors and vapors from entering the buildings.
- B. Contractor shall provide 7 days advance notice to the Owner's Authorized Representative in order for advance notice to be forwarded to building occupants. Work stoppage may occur if advance notification has not been coordinated or odors and vapors from the work are found to generate complaints from building occupants.

1.11 FIRE SAFETY

- A. Coordination with OSU Fire Alarm shop will be required for access to fire alarm panels, work adjacent to fire alarm panels or any other impacts on the fire alarm system.
- B. Ensure that required exit routes remain unobstructed while building is occupied.
- C. Abide by all fire safety requirements for buildings under construction, alteration or demolition as required by Article 87, of the Uniform Fire Code as adopted by the State of Oregon.
- D. An emergency telephone shall be provided on site. Cellular telephone equipment is acceptable.
- E. Fire Suppression Equipment:
1. Install and maintain temporary fire protection facilities of the types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 10 "Standard for Portable Fire Extinguishers", and NFPA 241 "Standard for Safeguarding Construction, Alterations and Demolition Operations".
 2. Maintain equipment in working condition with current inspection certificate attached to each.
 3. Locate fire extinguishers where convenient and effective for their intended purpose, but not less than one extinguisher on each floor at or near each usable stairwell.
 4. Store combustible materials in containers in fire-safe locations.
 5. Maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire protection facilities, stairways, and other access routes for fighting fires.

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6. Provide continual supervision of welding operations, combustion type temporary heating units, and similar sources of fire ignition.
7. When possible, relocate hot work to a designated hot work area.
8. If the materials or equipment cannot be relocated to a designated hot work area, use the least hazardous form of hot work that will get the job done and prepare the area properly.
9. Manage mobile hot work using the formal hot work permit system. (mentioned in the next bullet point and also a directive in the OSU Hot Work Safety Program)
10. Make sure both fire protection and hot work equipment work properly.
11. Train all personnel involved in hot work operations and activities so that they have the understanding, knowledge, and skills necessary to safely perform their jobs.

1.12 CONSTRUCTION AIDS

- A. Scaffolding: comply with applicable OSHA requirements.
- B. Material Handling Equipment:
 1. Provide necessary cranes, hoists, towers, or other lifting devices.
 2. Use only experienced operators.
 3. Remove equipment as soon as possible after task is ended.
 4. Coordinate placement of such equipment with Owner's Authorized Representative.
 5. Obtain required permits and meet requirement of governing authorities regarding applicable regulations.
- C. Materials or debris shall not be allowed to free fall from building.
- D. The use of chutes or conveyors must be approved by Owner.

1.13 TEMPORARY CONTROLS

- A. Water Control:
 1. Maintain excavations free of water.
 2. Provide, operate, and maintain necessary pumping equipment.
- B. Protection:
 1. Protect installed Work and provide special protection where specified in individual specification sections.
 2. Prohibit traffic or storage upon waterproofed or roofed surfaces.
- C. Security:
 1. Provide security and facilities to protect Work and existing facilities and Owner's operations from unauthorized entry, vandalism, or theft.
 2. Coordinate operations with Owner's Authorized Representative.
- D. Temporary Traffic Control /Pedestrian Accessibility
 1. A continuous route for all pedestrians, including persons with disabilities and bicyclists, shall be maintained at all times. When existing pedestrian facilities are disrupted, closed, or relocated in a construction zone, temporary pedestrian facilities shall be provided.
 2. Temporary pedestrian facilities should be safe and accessible. There should be no curbs or abrupt changes in grade that could cause tripping or be a barrier to wheelchair use.

Insert Project Name

Month, Year

Notice of Extended Payment Provision

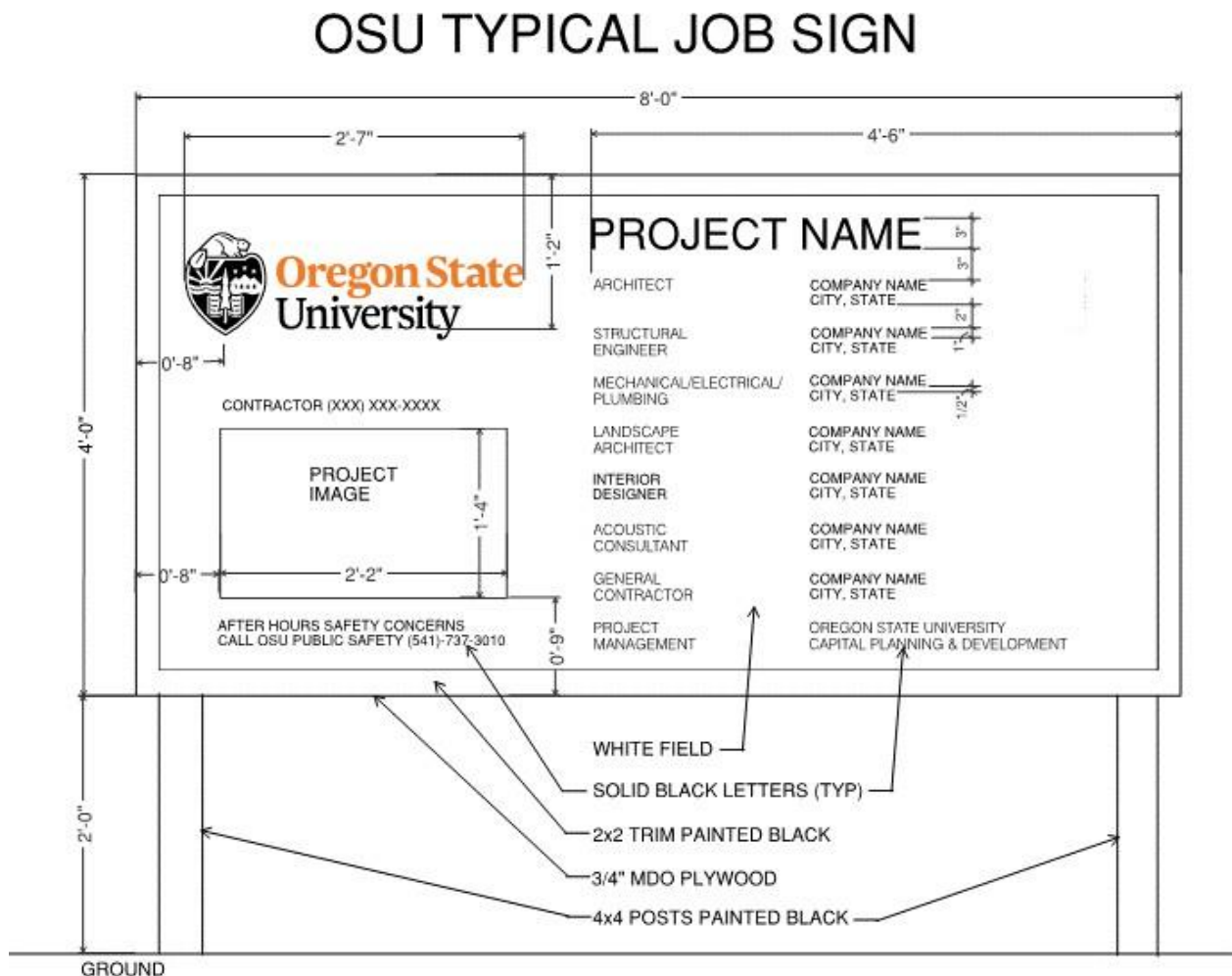
The Contract will allow Owner to make:

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3. Signage shall be provided directing people to the temporary accessible route. The signage shall include the International Symbol of Accessibility.
4. Contractors shall not block temporary walkways with vehicles, equipment, construction materials, signs, trash, or other objects that might prohibit pedestrian passage.
5. Construction equipment and equipment operation must be separated from any open walkways. At construction zones, pedestrian fences or other protective barriers shall be provided to prevent access into the construction zone.

1.14 PROJECT SIGNAGE

- A. Contractor is permitted to post only one project identification sign based on the following example:



1.14 PREPARATION

- A. Consult with Owner to review jobsite areas required for field offices, material storage and stockpiles, equipment storage, access to different locations, etc.

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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1.15 PERFORMANCE

- A. Confine equipment, apparatus, and storage of material to work limits. The Owner will not be responsible for protection of materials and equipment from damage, pilfering, etc.
- B. Install temporary facilities in such a manner that the installed work will not be damaged.
- C. Do not use facilities of existing building unless authorized in writing by the Owner.
- D. OSU is a tobacco-free campus and tobacco use is prohibited on all Campus property.
- E. Keep facilities well maintained.
- F. Relocate temporary facilities as required during job progress.
- G. At Substantial Completion, clean and renovate permanent facilities that have been used during the construction period, including but not limited to:
 - 1. Replace air filters and clean inside of ductwork and housings.
 - 2. Replace significantly worn parts and parts that have been subject to unusual operating conditions.
 - 3. Replace lamps that are burned out or noticeably dimmed by substantial hours of use.
- H. Final Clean-up: On completion of project and after removal of all debris, rubbish, and temporary construction, Contractor shall leave the construction area in a clean condition satisfactory to the Owner. Cleaning shall include off the site disposal of all items and materials not required to be salvaged, as well as all debris and rubbish resulting from demolition and new work operations.

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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OREGON STATE UNIVERSITY CONSTRUCTION AND MAINTENANCE SAFETY REQUIREMENTS

Complete OSU Construction and Maintenance Safety Form - Send completed documents (including Site Safety Plan and all separate answer pages) to Construction Contract Administration along with the signed contract and bonds.

Project Isolation - All construction and remodeling activities regardless of size and/or scope must be fenced, barricaded, or otherwise protected to restrict entrance and to ensure the safety of those in the general area. See isolation requirements.

Site Safety Plan - A site safety plan will be required and will address:

- General Information
- Emergency Information
- Key Organization Personnel
- Hazard Evaluation/Facility Impact
- Emergency Procedures
- Work Zones
- Security Measures
- Fire Protection

A model plan is attached. This form can be used if another plan has not already been prepared. Contact OSU Environmental Health & Safety for more information 737-2505.

Isolation Requirements

General: All construction, maintenance, and remodeling activities, regardless of size or scope, must be fenced, barricaded, or otherwise isolated to restrict entrance and to ensure the safety of those in the general area.

Outdoor Activities: Outdoor projects require the following perimeter isolation:

- A six foot chain-link fence, with controlled access points, extending in all directions around the excavation or building site such that no area of the construction is accessible to pedestrians or unauthorized personnel or vehicles.
- Isolation area will include vehicle loading and unloading areas.
- At the University's option, other barricading plans may be accepted. These may apply to projects such as road resurfacing, parking lot striping, exterior building water proofing, deliveries, etc. Contact EH&S regarding other barricading plans.

Overnight: Any excavation across or adjacent to sidewalks or pathways which must be left open overnight, must be identified with working, blinking construction lights in addition to solid barricades

Indoor Activities: Indoor construction or maintenance projects which will create dust, potentially hazardous fumes or vapors, or offensive odors are subject to the following isolation:

- Areas where existing doors can provide isolation will be labeled "Construction Area--Authorized Personnel Only".
- All other areas will be isolated by a solid barrier. The minimum barrier allowed is 4 mil poly sheeting sealed to prevent migration of dust.
- Mechanical ventilation may be required.
- A solid wall is required if building envelope is opened to the outside.

Insert Project Name

Month, Year

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Contractor Responsibilities

- The contractor will provide all barricading, isolation, and fencing material. OSU will not provide any materials.
- The contractor will also provide all appropriate warning and detour signs when sidewalks, exits, or roads are closed.
- Contractor will provide all other construction area signs.

Insert Project Name

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Notice of Extended Payment Provision

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OSU CONSTRUCTION AND MAINTENANCE SAFETY FORM

Send completed safety documents to Construction Contract Administration with contract and bonds.

Date: _____ Project: _____

Start Date: _____ Completion date: _____

Contractor: _____ Contact: _____

Work # _____ 24 hr #: _____

OSU Project Mgr: _____ Work / 24hr #'s: _____

Dept Contact: _____ OSU EH&S Contact: _____

Y	N	For This Project	If YES, then:
		1 Will any confined spaces be accessed?	Describe location of entry Specify location of permit Notify EH&S prior to entry See SAF 209
		2 Will hot work be performed (welding, cutting, brazing, etc.)?	Provide min. 5# 2A10BC extinguisher within 10 ft If indoors - provide and describe ventilation See SAF 214
		3 Any products brought to campus?	Provide MSDS on site prior to first use; Make available to OSU on request
		4 Will lead paint be impacted?	Describe plan to limit contamination
		5 Will asbestos-containing-material be impacted?	Coordinate with OSU asbestos manager
		6 Will <u>any</u> materials (construction debris, soil, water, etc) be removed from campus?	Describe in detail identity and disposition of material (how, where)
		7 Any open trenches or holes?	Describe isolation procedures (see Page 1)
		8 Will a crane be used?	Describe crane safety plan (include plan to prevent loads above occupied areas)
		9 Is this project building a new facility, a major remodel?	Provide Site Safety plan Describe isolation procedures (see Page 1)
		10 Is this a minor remodeling project?	Provide, or fill out model Site Safety Plan form (see Page 3) Describe isolation procedures (see Page 1)
		11 Will air contamination be produced (e.g. dust, CO, solvent vapors, VOCs, odors)?	Describe project ventilation and isolation Indicate position of building air intake(s)
		12 Will there be noise > 85 dB?	Describe noise minimization plan
		13 Will this project use a scaffold or an external chute?	Describe isolation, dust control, installation
		14 Will this project involve a working surface >6' above a lower level	Describe fall protection
		15 Will any "blind" saw-cuts or penetrations be made in existing foundations, floors, ceilings and/or walls?	Describe plan for detecting and protecting power lines or other building utility lines.

Insert Project Name

Month, Year

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Preconstruction meeting? **Y N** Date/Time/Location:

For the following items, prepare answers on a separate sheet for all items marked "Yes". Precede each answer with the appropriate item number. All boxes need to be checked

EH&S Review: _____ Date: _____

Insert Project Name

Month, Year

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MODEL SITE SAFETY PLAN

1. General Information

Contractor name _____
Address _____
City, State, Zip _____
Site Safety Officer _____ Project Dates _____
Project Name _____

2. Emergency Information

Emergency Response	911	OSU EH&S and OSU Facilities Services must be notified in the event of an emergency
Hazardous Materials Spill		
MSDS on-site location		
OSU EH&S	(541) 737-2273	
Facilities Services	(541) 737-2969	

3. Contractor Key Personnel

	Name	Phone	Emergency Contact
Company Owner			
Project Manager			
Job Supervisor			
Site Safety Officer			
Other Responsible Individual			
24 Hour Notification			

List of employees on site _____

4. Hazard Evaluation/ Facility Impact	
Physical	Yes / No
Heavy Equipment	
Noise	
Heat	
Elevation	
Radiation Materials	
Excavations	
Underground Utilities	
Confined Spaces	
Fire Prevention	
Electrical	

5. Emergencies
Services
Evacuation Route
First Aid Location
Hazardous Materials Spill Procedure

6. Work Zones

Material Storage _____

Insert Project Name

Month, Year

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Parking locations _____
Individuals with OSU keys _____
Access issues _____

7. Security measures _____

8. Fire protection _____

Insert Project Name
Month, Year
Notice of Extended Payment Provision
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SECTION 01 56 39

TREE AND PLANTING PROTECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Section includes temporary protection of trees, plants and groundcovers not indicated to be removed, as necessary and required to prevent damage above and below grade.

1.02 DEFINITIONS

- A. Tree Root Protection Zone (TRPZ): An area that generally extends from the base of the tree trunk beyond the drip line of the tree.
- B. Drip line: Outer perimeter of branches of any plant.
- C. Owner's Arborist: An ISA certified arborist with the experience to conduct the required work outlined in this section shall be employed by or contracted by the university.

1.03 PERFORMANCE REQUIREMENTS

- A. The Contractor shall exercise utmost care to protect existing trees and plants designated to remain and shall comply with all protection requirements provided by Owner and AHJ as conveyed through the Owner's Authorized Representative.
- B. The Contractor shall install tree protection fencing as detailed and shall prevent damage to shrubs, groundcover, trees, root systems, soil, bark, foliage, branches and limbs due to construction activities, including but not limited to:
 - 1. Soil contamination, erosion, and compaction.
 - 2. Excessive wetting, and ponding due to storm water, and construction run-off.
 - 3. Alteration of grade, stockpiling of soil, debris, and materials.
 - 4. Damage to soil, roots, bark, trunk, limbs, branches, and foliage.
 - 5. Prevent unauthorized cutting, breaking, skinning and bruising of roots, branches, and bark.

1.04 SUBMITTALS

- A. Procedural proposal for tree and plant protection, describe methods of protection, and stabilization, provide drawings and supporting documentation as directed. Including a tree protection plan for permit approval

1.05 PROJECT CONDITIONS

- A. Install protection during initial mobilization at the Work site and maintain until substantial completion.
- B. If, in the opinion of the Owner's Arborist, additional protection is required, the Contractor shall install as directed and without cost to the Owner.

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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- C. The location and requirements for additional fencing shall be determined by the Owner's Arborist prior to, and at any time during the course of the Work.
- D. Fencing:
 - 1. Fencing shall be installed at the tree and plant protection areas as detailed on Plans, or as directed by the Owner's Authorized Representative.
 - 2. Tree and plant protection fences shall remain in place until all Work is completed and shall not be removed or relocated without the approval of the Owner's Authorized Representative.
 - 3. Prevent entry into protected areas except as authorized in writing by the Owner's Authorized Representative.
- E. Driving and Parking:
 - 1. Not permitted off paved surfaces without the approval of the Owner's Authorized Representative.
 - 2. When approved, the Contractor shall place plywood of sufficient thickness and width to support vehicles and prevent rutting on the area to be driven on.
 - 3. Care shall also be taken with respect to existing lawn sprinkler systems.
- F. Storage of materials and Debris: Not permitted off paved surfaces.

PART 2 PRODUCTS

2.01 FENCING

- A. The contractor is responsible for installing a tree protection fence around all the trees identified to remain on site prior to the start of any site work, grading, or staging of any equipment or materials.
- B. The tree protection fence shall be a galvanized chain link fence that measures a minimum of six feet high. Unless otherwise approved by Owner's Representative, steel posts shall not be anchored in the ground.

2.02 SIGNAGE

- A. A highly visible sign shall be posted on the chain link fence demarking the area as a tree root protection zone. The sign shall meet AHJ requirements and remain posted and unobstructed until the project is completed.

PART 3 EXECUTION

3.01 SITE SURVEY

- A. Verification of Conditions: Inspect trees, plants, and groundcovers, document existing conditions prior to installation of protection.
- B. Verification of existing irrigation operations with Owner's Representative and Landscape

Insert Project Name

Month, Year

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Management Department.

3.02 EXECUTION

- A. Pruning and Cutting of Roots, Branches and Foliage:
1. Review conditions with Owner or Owner's Arborist prior to need for work and proceed as directed.
 2. All pruning to be done by Owner's landscape maintenance personnel or Owner's Arborist under the direction of Owner's Landscape Management Department.
 3. Perform pruning and cutting with sharp instruments intended for the purpose; do not break or chop.
 4. Carefully and cleanly cut roots and branches of trees indicated by Owner's Representative or Owner's Arborist to be left standing where such roots and branches obstruct new construction.
 5. Protect exposed roots with wet burlap until they can be covered with soil.
- C. Excavation and Trenching Within Drip Lines:
1. Permitted where indicated, and at other specifically approved locations.
 2. Tunnel under or around roots by hand digging or boring.
 3. Do not cut main lateral roots and tap roots over one inch diameter; cut smaller roots which interfere with installation of new Work.
 4. Do not allow exposed roots to dry out before permanent backfill is placed; provide temporary earth cover, or pack with peat moss and wrap with burlap.
 5. Water and maintain roots in moist condition and temporarily support and protect from damage until permanently relocated and covered with backfill.
- D. Existing Grading: Maintain within drip line of trees and plants unless otherwise indicated on the drawing and approved by the Owner's Authorized Representative.
- E. Calculating the Tree Root Protection Zone:
1. Measure the tree's diameter at breast height (DBH), in inches. DBH is calculated using the circumference of the tree trunk at 4.5 feet above grade.
 2. Multiply the DBH by 1.5.
 3. Example = 7" DBH x 1.5 = 10.5'.
 4. The result expressed in feet shall be the minimum radius of the TRPZ.
 5. For trees less than 8" in DBH, the TRPZ shall not be less than the diameter of the canopy drip line.
 6. For shrubs scheduled to remain the protection shall be 1 foot out from the drip line of the existing plant or plant grouping unless determined otherwise by Owner's Arborist or AHJ.

3.03 REPAIR AND REPLACEMENT OF TREES AND PLANTS

- A. Repair trees or shrubs damaged by construction operations as directed by the Owner.
- B. Make repairs promptly after damage occurs to prevent progressive deterioration of damaged

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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trees.

C. Tree Replacement:

1. Up to 8" DBH: Same size as damaged tree, species selected by Landscape Architect after consulting with OSU Project Manager and OSU Landscape Management Department.
2. Over 8" DBH: Compensate OSU as determined by value appraisal completed by project arborist according to the most recent Council of Tree and Landscape Appraiser standards.
3. Replacement shrubs and groundcovers: Same size and quality as damaged shrub and groundcover, species selected by project Landscape Architect in consultation with the OSU Project Manager and OSU Landscape Management Department.

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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SECTION 01 60 00

PRODUCT REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Summary:
1. Product options.
 2. Owner-furnished products.
 3. Product delivery, storage and handling.

1.02 REQUIREMENTS

- A. Products:
1. New material, machinery, components, equipment, fixtures, and systems forming the Work, but does not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work.
 2. Products may also include existing materials or components specifically identified for reuse.
- B. Use interchangeable components of the same manufacture for similar components.
- C. Unless otherwise specified, all material and equipment shall be new; free from defects impairing strength, durability, and appearance; of current manufacture.
- D. Items specified shall be considered minimum as to quality, function, capacity, and suitability for application intended.
- E. Items incorporated into the Work shall conform to applicable specifications and standards designated, and shall be of size, make, type, and quality specified.
- F. Design, fabricate, and assemble in accordance with current best engineering, industry, and shop practices.
- G. Manufacture like parts of duplicate units to standard size and gauge to make them interchangeable.
- H. Two or more items of the same kind shall be identical and made by the same manufacturer.

1.03 PRODUCT OPTIONS

- A. Products Specified by Reference Standards or by Description Only: Any product meeting those standards or description.
- B. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: Submit a request for substitution for any manufacturer not named in accordance with 01 25 00.
- C. Products Specified by Naming One [or More] Manufacturer[s]: Products of manufacturer[s] named and meeting specifications, no options or substitutions allowed.

Insert Project Name

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1.04 REUSE OF EXISTING PRODUCTS

- A. Except as specifically indicated or specified, materials and equipment removed from existing construction shall not be used in the completed Work.
- B. For material and equipment specifically indicated or specified to be reused in the Work:
 - 1. Use care in removal, handling, storage, and reinstallation to assure proper function in the completed Work.
 - 2. Arrange for transportation, storage, and handling of products which require off-site storage, restoration, or renovation.
 - 3. Remove and reinstall mechanical units, vents, guys, antennae, and electrical and grounding wires or conduits.

1.05 OWNER FURNISHED PRODUCTS

- A. Designate delivery dates of Owner-furnished items in the construction schedule.
- B. Receive, unload, store and handle Owner-furnished items at the site or designated location; protect from damage.
- C. Contractor to repair or replace Owner furnished items at Contractor's expense if damaged while in Contractor's possession.
- D. Contractor responsible for installation warranty for all items installed by Contractor, including Owner furnished items.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Transport, handle, store and protect products in accordance with manufacturer's instructions. Deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft and vandalism.
- B. Arrange deliveries in accordance with construction schedules; coordinate to avoid conflict with Work and site conditions.
- C. Deliver and store products in undamaged condition in manufacturer's original containers or packaging with identifying labels intact and legible.
- D. Inspect shipments to assure compliance with Contract Documents and reviewed submittals, and that products are undamaged.
- E. Prevent soiling or damage to products or packaging.
- F. Comply with product manufacturer's written instructions for temperature, humidity, ventilation, and weather-protection requirements for storage.
- G. Interior Storage: Maintain required temperature and humidity ranges. Verify that Owner furnished storage meets product manufacturer's requirements.
- H. Exterior Storage:
 - 1. Store materials above ground to prevent soiling and/or moisture infiltration.
 - 2. Cover materials with waterproof breathable sheet coverings; provide adequate

Insert Project Name

Month, Year

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- ventilation.
- 3. All storage locations to be approved in advance by the Owner.
- H. Arrange storage to provide access for Owner.
- I. Coordinate with Owner's Authorized Representative all on-site storage activities.
- J. Provide for security of stored products.

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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SECTION 01 73 29

CUTTING AND PATCHING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Requirements and limitations for cutting and patching of Work.
- B. Requirements and limitations for removal and repair of pavement structures.

1.02 RELATED SECTIONS

- A. Section 01 25 00, Product Substitution Procedures.
- B. Section 01 33 23, Shop Drawings, Product Data, Samples

1.03 SUBMITTALS

- A. Submit written request in advance of cutting or alteration which affects:
 - 1. Structural integrity of any element of the Work.
 - 2. Efficiency, maintenance, or safety of any operational element.
 - 3. Visual qualities of sight exposed elements.
 - 4. Work of Owner or separate contractor.
- B. Include in request:
 - 1. Identification of project.
 - 2. Location and description of affected work.
 - 3. Necessity for cutting or alteration.
 - 4. Description of proposed work, and products to be used.
 - 5. Alternatives to cutting and patching.
 - 6. Effect on work of Owner or separate contractor.
 - 7. Written permission of affected separate contractor.
 - 8. Date and time work will be executed.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Primary Products: Those required for original installation, asphalt concrete (HMAC), and Portland cement concrete (PCC).
- B. Product Substitution: For any proposed change in materials, submit request for substitution under provisions of Section 01 25 00.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Inspect existing conditions prior to commencing Work, including elements subject to damage or movement during cutting and patching. Utilize appropriate technology to examine structural elements that are not visible or able to be uncovered prior to cutting.

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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- B. After uncovering existing work, inspect conditions affecting performance of Work.
- C. Beginning of cutting or patching means acceptance of existing conditions.

3.02 PREPARATION

- A. Provide temporary supports to ensure structural integrity of the Work.
- B. Provide devices and methods to protect other portions of the Work from damage.
- C. Provide protection from elements for areas which may be exposed by uncovering work.

3.03 CUTTING AND PATCHING

- A. Execute cutting, fitting and patching to complete work.
- B. Fit products together, to integrate with other work.
- C. Remove and replace defective or non-conforming work.
- D. Provide openings in the work for penetration of mechanical and electrical work.

3.04 PERFORMANCE

- A. Execute work by methods to avoid damage to other Work, and which will provide appropriate surfaces to receive patching and finishing. Construction and workmanship of HMAC /PCC placement or repairs shall conform to the applicable requirements of the OSU Design & Construction Standards.
- B. Cut rigid materials using masonry saw or core drill. Pneumatic tools are not allowed without prior approval from Owner's Authorized Representative.
- C. Pavement cuts and repairs shall be scheduled to accommodate the demands of traffic and shall be performed as rapidly as possible to provide maximum safety and convenience for public travel.
- D. Concrete shall be placed to a minimum thickness of 8-inch or to the thickness of the removed pavement. The pavement shall be placed on a compacted aggregate base of minimum thickness of 2-inch which will function as a leveling course. Full panel replacement to the nearest joint is required.
- E. Restore work with new products in accordance with requirements of Contract Documents.
- F. At penetrations of fire rated walls, partitions, ceiling or floor construction, completely seal voids with approved fire rated material, to full thickness of the penetrated element.
- G. Refinishing:
 - 1. Refinish surfaces to match adjacent finish.
 - 2. For continuous surfaces, refinish to nearest intersection or natural break.
 - 3. For an assembly, refinish entire unit.

Insert Project Name

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END OF SECTION

Insert Project Name

Month, Year

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SECTION 01 74 00

CLEANING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Related requirements specified elsewhere, cleaning for specific products or work: Specification section for that work.
- B. Maintain premises and public properties free from accumulations of waste, debris, and rubbish, caused by operations.
- C. At completion of Work remove waste materials, rubbish, tools, equipment, machinery and surplus materials, and clean all sight-exposed surfaces; leave project clean and ready for occupancy.

1.02 QUALITY ASSURANCE

- A. Standards: Maintain project in accord with applicable safety and insurance standards.
- B. Hazard Control:
 - 1. Store volatile wastes in covered metal containers.
 - 2. Provide adequate ventilation during use of volatile or noxious substances.

1.03 MATERIALS

- A. Use only cleaning materials recommended by manufacturer of surface to be cleaned.
- B. Use cleaning materials only on surfaces recommended by cleaning material manufacturer.

1.04 DURING CONSTRUCTION:

- A. Wet down dry materials and rubbish to lay dust and prevent blowing dust.
- B. At reasonable intervals during progress of Work clean site and public properties, and dispose of waste materials, debris and rubbish.
- C. Provide street sweeping/cleaning during construction to prevent mud/dirt from being tracked onto adjacent streets. Keep public streets clean per OSU/AHJ requirements.
- D. Provide on-site containers for collection of waste materials, debris and rubbish.
- E. Remove waste materials, debris and rubbish from site and legally dispose of at public or private dumping areas off Owner's property.
- F. Vacuum clean interior building areas when ready to receive finish painting, and continue vacuum cleaning on an as-needed basis until project is ready for Substantial Completion or occupancy.
- G. Handle materials in a controlled manner with as few handlings as possible; do not drop or throw materials from heights.

Insert Project Name

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1.05 FINAL CLEANING

- A. Employ experienced workers, or professional cleaners, for final cleaning.
- B. In preparation for Substantial Completion or occupancy, conduct final inspection of sight-exposed interior and exterior surfaces, and of concealed spaces.
- C. Remove grease, dust, dirt, stains, labels, and other foreign materials from exposed interior and exterior finished surfaces.
- D. Remove putty, paint, labels, lubricants, etc., from windows, mirrors, and sash, and then polish, taking care not to scratch glass.
- E. Vacuum carpeting (shampoo where required), removing debris and excess nap.
- F. Repair, patch and touch up marred surfaces to specified finish, to match adjacent surfaces.
- G. Replace air filters where units were operated during construction.
- H. Maintain cleaning until project, or portion thereof, is occupied by Owner.

END OF SECTION

Insert Project Name

Month, Year

Notice of Extended Payment Provision

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SECTION 01 77 00

CONTRACT CLOSEOUT

PART 1 GENERAL

1.01 DESCRIPTION

- A. The requirements specified in this section relate to all Contractors individually performing under these Contract Documents:
 - 1. Project Closeout Documents.
 - 2. Final review and payment.
- B. Related work specified elsewhere:
 - 1. OSU General Conditions.
 - 2. Shop Drawings, Product Data and Samples, Section 01 33 23.

1.02 PROJECT CLOSEOUT DOCUMENTS

- A. The Project Closeout Documents shall be organized to include the following information, with final order to be confirmed by Owner's Authorized Representative:
 - 1. Table of Contents
 - 2. Project Team List
 - 3. Warranties,
 - 4. Operations and Maintenance Manuals
 - 5. Owner Training (provide list and reference to any video files also provided)
 - 6. Change Orders (including copy of associated PCO's)
 - 7. Record RFIs
 - 8. Inspection Reports
 - 9. Test Reports
 - 10. Sustainability
 - 11. Attic Stock

Items below to be provided as separate files:

- 12. As-Built Drawings (in volumes as issued)
 - 13. As-Built Specifications (in volumes as issued)
- B. Draft Project Closeout Documents shall be submitted for review prior, but close to 75% completion of the Work.
- C. Project Closeout Documents shall be submitted electronically to the Owner. Hard copies will not be accepted. The order of the Closeout Documents to be in the order as described in A and in combined or separate PDF's as agreed by the Owner's Project Manager. Each item A to have its own Table of Contents if required by Owner's Authorized Representative.
- D. The Project Team List shall include the name, address, and phone number of the Owner, Contractor, Inspector, Subcontractors, and the materials manufacturers.

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- E. Include, in order and in a single section, the Owner's Warranty Spreadsheet and the Project's labor and material warranties clearly marked to identify the Owner's responsibilities under the terms of each warranty and the section of Work that each warranty covers.
- F. Include Operation and Maintenance Manual with instructions complete with technical information and name, address, and phone number of the Contractor(s) and manufacturer(s) of each material and product.
- G. Legibly mark the As-Built Drawings to indicate actual as-built conditions indicating changes in the Work made by Solicitation Addenda, Request for Information, Architectural Supplemental Instructions, Change Order, or actual conditions which differ from the drawings. Include new drawings as required for a complete as-built set of drawings.
- H. Legibly mark each As-Built Specification section to indicate actual as-built conditions indicating changes in the Work made by Solicitation Addenda, Request for Information, Architectural Supplemental Instructions, Change Order and mark actual materials used and actual manufacturer(s) used.
- I. Maintain current and accurate as-built mark-ups during construction and make available to Owner's Authorized Representative upon request.
- J. Include Inspection Reports and field test reports if applicable.
- K. In the case of an elevator installation, the Contractor's and manufacturer's warranty shall provide for the Owner's right to respond to emergency/car failure situations for the purpose of extricating individuals trapped in the elevator.

1.03 SUBSTANTIAL COMPLETION

- A. Prior to Request for Substantial completion and Substantial Completion punch list walk with the Owner and Design Professional, the Contractor shall inspect the Work and make a Punch-list noting all items that are incomplete and/or incorrect.
- B. The Owner and Design Professional will then provide a site observation walk with the Contractor to confirm status of project and add items to the punch list as needed.
 - 1. This walk to be scheduled when the Contractor believes the project is substantially complete.
 - 2. The punch list walk for substantial completion is to occur as a consolidated single walk where possible, or a combination of days consolidated into a single time period when the Contractor believes the project is substantially complete. Depending on outcome of this walk, a second walk may be required to back check and confirm if the project is substantially complete. Additional site visits (for the Design Professional and Owner) to determine Substantial Completion to be paid by the Contractor.
- C. The Design Professional to provide a recommendation that the project is Substantially Complete to the Owner, with attachment of the punch list. The Owner will provide to the Contractor written notice of Substantial Completion, including date.
- D. The Contractor shall notify all Subcontractors in writing of incomplete and/or incorrect

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items. Notify far enough in advance of the completion date that the Work can be completed on schedule. Said Work shall be immediately corrected.

- E. Should conditions prevail which prohibit some elements of the Work from being accomplished, but the work-in-place will perform the primary function (i.e., painting cannot be completed due to high moisture content of masonry walls.) the Contractor shall record the reason with this Punch-list item requesting temporary delay in completion from the Owner in writing.
- F. All warranties shall commence and become effective beginning on the date of Substantial Completion.

1.04 FINAL REVIEW AND PAYMENT

- A. Notify the Owner in writing that all items are completed and ready for final review or else that the Work product is fully usable, but some listed deficiencies remain to be completed. Submit all Closeout Documents at this time.
- B. The Owner will review all documents. When the documents include a Contractor's request for delay in completion, the Owner will review all Work which is certified as complete to the best knowledge of the Contractor. The Owner will also review the listed incomplete Work and assign a value to such uncompleted work.
- C. The Contractor shall make the required corrections to the Work expeditiously. A letter will be addressed to the Contractor informing the Contractor of the project status.
- D. When Contract closeout procedures are completed and all Punch-list deficiencies have been corrected, provide Owner with final corrected Project Closeout Documents based on Owner's preliminary review. Corrected and final Project Closeout Documents shall be in electronic format.
- E. Final Completion by the Owner will be documented and the Contractor will receive written notice of acceptance of the Work and notification that final payment may be billed and released.

END OF SECTION

Insert Project Name

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SECTION 01 83 16

EXTERIOR ENVELOPE PERFORMANCE REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Exterior Enclosure Performance Requirements and testing procedures including all exterior assemblies except roofs, horizontal waterproofing and below grade walls.

1.02 RELATED REQUIREMENTS:

- A. Section 014000 - Quality Requirements : Additional requirements applicable to Mock-ups.
- B. Section 018113 - Sustainable Design Requirements : OSU RSD (LEED equivalent) requirements.
- C. Division 07 and 08 sections enclosing the building.

1.03 REFERENCE STANDARDS

- A. AAMA 501.1 - Standard Test Method for Water Penetration of Windows, Curtain Walls and Doors Using Dynamic Pressure 2017.
- B. AAMA 501.2 - Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems 2015.
- C. AAMA 501.5 - Test Method for Thermal Cycling of Exterior Walls. current edition.
- D. AAMA 508 - Voluntary Test Method and Specification for Pressure Equalized Rain Screen Wall Cladding Systems. current edition.
- E. ASHRAE Std 90.1 I-P-2019 - Energy Standard for Buildings Except Low-Rise Residential Buildings 2019, with Errata and Addenda (2021).
- F. ASTM E1105 - Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference 2015 (Reapproved 2023).
- G. ASTM E283 - Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen 2004 (Reapproved 2012).
- H. ASTM E330/E330M - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference 2014 (Reapproved 2021).

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- I. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference 2000 (Reapproved 2023).
- J. ASTM E783 - Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors 2002 (Reapproved 2018).
- K. NFRC (CPD) - Certified Product Directory - National Fenestration Rating Council Current Edition.
- L. NFRC 100 - Procedure for Determining Fenestration Product U-factors 2020.
- M. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence 2020.
- N. NFRC 500 - Procedure for Determining Fenestration Product Condensation Resistance Values 2017.

1.04 ALLOWANCES

- A. Provide preconstruction testing as part of testing and inspecting allowance.

1.05 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: coordinate the work of the various sections that encompass the exterior envelope of the building. Many, if not all of these sections, will have products involved in the mockups and testing specified in this section.
- B. Presubmittal Meeting:
 - 1. Meet well prior to submittal of all wall assemblies to discuss design intent of the architect, project specific challenges and options in the design of the wall systems.
 - 2. Follow the agenda for a Preinstallation meeting. Modify as necessary.
 - a. Agenda will include
 - 1) Mockup construction
 - 2) Testing on mockup and on facility
 - 3) Procedures for retesting and corrective measures
- C. Preinstallation Meeting: Hold Preinstallation meeting a minimum of 1 week prior to beginning installation of mockup
 - 1. Beyond typical issues for installation discuss scheduling for on-site construction testing.

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1.06 PRECONSTRUCTION TESTING

- A. Preconstruction Testing Service: Provide exterior enclosure elements that comply with test performance requirements indicated, as evidenced by reports of tests performed on manufacturer's standard assemblies by a qualified testing agency.
1. Owner will engage a qualified testing agency to perform preconstruction testing on laboratory mockups.
 2. Build on site mockups at the project site using personnel, materials, and methods of construction that will be used at Project site.
 3. Preconstruction Testing Chamber:
 - a. Construct a stand alone chamber located on the site as indicated or as directed by the architect. Construct per "Test Chambers" paragraph under the Article "Field Quality Control" in Part 3
 4. Notify Architect seven days in advance of the dates and times when mockups will be constructed and tested.
5. Preconstruction Testing Program: Perform tests specified in "BUILDING PERFORMANCE REQUIREMENTS" Article on mockup in the following order:
- a. Structural-performance at the specified wind-load design pressure when tested according to ASTM E330/E330M.
 - b. Air infiltration when tested according to ASTM E283.
 - c. Water penetration under static pressure when tested according to ASTM E331.
 - 1) Water penetration under dynamic pressure when tested according to AAMA 501.1.

1.07 SUBMITTALS

- A. Shop Drawings: For exterior enclosure assembly mockup. Include plans, elevations, sections, and full-size details.
1. Include details of provisions for assembly expansion and contraction and for draining moisture occurring within the assembly to the exterior.
 2. Include full-size isometric details of each vertical-to-horizontal intersection of exterior enclosure assemblies, showing the following:

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- a. Joinery, including concealed welds.
- b. Anchorage templates and details.
- c. Interface with adjoining building construction
- d. referenced to detail numbers indicated on the Contract Drawings
- e. Expansion and seismic provisions.
- f. Flashing and drainage.
- g. Resubmit Shop Drawings with changes made to exterior enclosure assemblies to successfully complete preconstruction testing.

B. Preconstruction Mockup Submittals:

1. Photographs:

- a. Take a minimum of 10 photographs at locations and intervals as required by Architect.
- b. Submit digital color images of mockup before, during, and after preconstruction testing.

2. Record Drawings: Submit record drawings of preconstruction mockups prepared by preconstruction testing agency.

C. Qualification Data: For qualified Installer and preconstruction testing agency.

D. Seismic Qualification Certificates: For exterior enclosure assemblies, accessories, and components, from manufacturer.

1. Basis for Certification: Indicate whether withstand certification is based on actual test of assembled components or on calculation.

E. Energy Performance Certificates: For exterior enclosure assemblies, accessories, and components, from manufacturer.

1. U-factors of fenestration products (windows, doors, curtain walls and skylights)

2. SHGC of fenestration products (windows, doors, curtain walls and skylights) shall be determined in accordance with NFRC 200 by an accredited, independent lab, and labeled and certified by the manufacturer.

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- F. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified preconstruction testing agency, for exterior enclosure assemblies, indicating compliance with performance requirements.
- G. Preconstruction Test Reports.
- H. Source quality-control reports.
- I. Field quality-control reports.

1.08 QUALITY ASSURANCE

- A. Preconstruction Testing Agency Qualifications: Qualified according to ISO/IEC 17025 and accredited by ICC-ES for preconstruction testing indicated.
- B. Testing Agency Qualifications: Qualified according to ASTM E 699 for testing indicated.
- C. Energy Performance Standards: Comply with NFRC for minimum standards of energy performance, materials, components, accessories, and fabrication. Comply with more stringent requirements if indicated.

1. Provide NFRC-certified assemblies with either an attached label or accompanying certificate.

1.09 MOCK-UPS

- A. Mock-ups will contain materials from many different sections of this project manual. coordinate the acquisition and installation of these materials. see Administrative Requirements above. See additional mock-up requirements in Section 014000 - Quality Requirements, including delegated design responsibility
- B. Visual Mock-ups: Build visual mock-ups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.

1. Build a stand-alone mock-up of typical wall area as shown on Drawings.

2. Approval of mock-ups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

- C. Performance Mock-ups:

1. Performance mock-ups are constructed for testing of materials and fabrication and

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installation techniques and methods.

- a. Build preconstruction and laboratory mock-ups of typical wall areas as shown on Drawings and as required to meet ASTM testing requirements.
- b. Build field performance typical wall areas as shown on Drawings and as described in the Field Quality Control article below.

2. Perform testing on all laboratory and field performance mockups according to requirements in "Building Performance" Article below.

- D. Mock-ups must pass all tests prior to any additional construction of exterior enclosure assemblies.
- E. Approval of mock-ups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
- F. Approved in-place mock-ups may become part of the completed Work if undisturbed at time of Substantial Completion.

PART 2 PRODUCTS

2.01 BUILDING PERFORMANCE REQUIREMENTS

- A. General Performance: Comply with performance requirements specified, as determined by preconstruction testing of manufacturer's standard system representing those indicated for this Project without failure due to defective manufacture, fabrication, installation, or other defects in construction.

1. Exterior Enclosure Assemblies shall withstand movements of supporting structure indicated on Drawings including, but not limited to, story drift, twist, column shortening, long-term creep, and deflection from uniformly distributed and concentrated live loads.

2. Failure also includes the following:

- a. Deflection exceeding specified limits.
- b. Loosening or weakening of fasteners, attachments, and other components.
- c. Framing members transferring stresses, including those caused by thermal and structural movements to glazing.
- d. At glazed systems: Glazing-to-glazing contact and glass breakage as defined in

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Section 088000 - Glazing.

e. Sealant failure.

f. Noise or vibration created by wind and thermal and structural movements.

B. Energy Performance of Glazed systems: Certify and label energy performance according to NFRC as follows:

1. Thermal Transmittance (U-factor): NFRC 100.

2. Solar Heat Gain Coefficient: NFRC 200.

3. Condensation Resistance: NFRC 500.

C. Energy Performance Requirements: Compliant with 2021 Oregon Energy Efficiency Specialty Code (ASHRAE Std 90.1 I-P-2019), Table 5.5-4 - Nonresidential. Performance values are listed below for reference only.

Building Envelope Requirements - Opaque Assemblies, Minimum R-Values

Roof Insulation R-30ci

Steel Framed Walls R-13+7.5ci

Below Grade Walls R-7.5ci

Unheated Slabs R-15 for 24" below

Building Envelope Requirements - Fenestrations, Maximum U-Factors

Opaque Doors U-0.37

Fixed Windows U-0.36

Operable Windows U-0.45

Entrance Doors U-0.63

Building Envelope Requirements - Fenestrations, Maximum SHGC

Fixed 0.36

Operable 0.33

Entrance Doors 0.33

D. Structural Loads: As specified on Structural Drawings.

E. Structural-Test Performance: Test according to ASTM E330/E330M as follows:

1. When tested at positive and negative wind-load design pressures, assemblies do not evidence deflection exceeding specified limits.

2. When tested at 150 percent of positive and negative wind-load design pressures, assemblies, including anchorage, do not evidence material failures, structural distress,

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and permanent deformation of framing members exceeding 0.2 percent of span.

3. Test Durations: As required by design wind velocity, but not less than 10 seconds.

F. Air Infiltration: Lab Quality Control Testing:

1. Maximum air leakage through fixed glazing and framing areas of 0.06 cfm/sf. ft. of fixed wall area as determined according to ASTM E283 at a minimum static-air-pressure differential 6.24 lbf/sq.ft.

2. Maximum air leakage through all doors/frames except hollow metal doors/frames of 0.1 cfm/sf. ft. of fixed wall area as determined according to ASTM E283 at a minimum static-air-pressure differential 1.57 lbf/sq.ft.

3. Maximum air leakage through hollow metal doors/frames of 0.03 cfm/sf. ft. of fixed wall area as determined according to ASTM E283 at a minimum static-air-pressure differential 6.24 lbf/sq.ft.

G. Water Penetration:

1. Maximum Water Leakage: No uncontrolled water penetrating assemblies or water appearing on assemblies' normally exposed interior surfaces from sources other than condensation. Water leakage does not include water controlled by flashing and gutters that is drained to exterior.

2. Water Penetration under Static Pressure: No evidence of water penetration through fixed glazing, operable glazing, all doors and framing areas when tested according to ASTM E331 at a minimum static-air-pressure differential of 20 percent of positive windload design pressure, but not less than 12 psf

3. Water Penetration under Dynamic Pressure: No evidence of water penetration through fixed glazing, operable glazing and framing areas when tested according to AAMA 501.1 at dynamic pressure equal to 20 percent of positive wind-load design pressure, but not less than 12 lbf/sq.ft.

H. Pressure Equalized Rain Screen Performance: Water Penetration: Pass AAMA 508 with a 15 psf pressure difference with an imperfect air and water barrier

I. Thermal Movements: Allow for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures:

1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.

2. Test Interior Ambient-Air Temperature: 75 deg F (24 deg C).

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3. Test Performance: No buckling; stress on glass; sealant failure; or excess stress on framing, anchors, and fasteners; and no reduction of performance when tested according to AAMA 501.5.

J. Other performance requirements are listed in each section

PART 3 EXECUTION

3.01 FIELD QUALITY CONTROL

A. Test each wall and glazing system and whole building testing

B. Testing Agency: Engage a qualified testing agency to perform tests and inspections.

C. Architect, Owner, consultants of their selection will be in attendance, coordinate timing and location of tests to allow for their attendance.

1. Product manufacturer's representatives as required by Owner, Architect or Manufacturer.

D. Testing Services: Testing and inspecting of representative areas of exterior enclosure assemblies shall take place as installation proceeds to determine compliance of installed assemblies with specified requirements.

1. Tests Isolated areas with an interior, fully supported chamber, to allow parties to view results. The remaining tests can be conducted with the use of smaller chambers fabricated from transparent sheet materials on a solid frame.

a. The chamber locations will be selected to encompass as many typical details as possible, such as swing and sliding doors, operable vent, in-slab / fire vent hoods, fixed light / spandrel / panel, window bypass and tie-ins to adjacent systems.

b. Construct a stand-alone chamber located on the site as indicated or as directed by the architect.

c. Construct two chambers in the same location on two sequential floors

d. Test Chambers:

1) Steel studs and plywood or drywall. Steel studs, top and bottom track, stud spacing and fastening shall be same as exterior walls (4 inch studs at 16 inches on center). Install drywall on the exterior side of the test chamber.

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2) Fire caulk or fire tape joints and to adjacent concrete slabs and columns. Seal the chamber to the exterior enclosure assembly beyond the edge of the test section.

3) Access door 3'0 x 6'8" to allow entrance and exit into chamber. Door must be removable and sealable for air leakage

4) provide water and electricity at the location of the chamber. Electricity both in and outside, water outside only.

2. Tests on the building proper for isolated areas can be conducted with the use of smaller chambers fabricated from transparent sheet materials on a solid frame.

a. The testing locations will be selected to encompass as many typical details as possible, such as swing and sliding doors, operable vent, in-slab / fire vent hoods, fixed light / spandrel panel, window bypass and tie-ins to adjacent wall systems.

b. The testing locations will encompass two sequential floors to ensure the inclusion of a floor slab.

3. Field Quality Control Testing:

a. Air Infiltration: Isolated areas shall be tested for air leakage of 1.5 times the rate specified for laboratory testing in "BUILDING PERFORMANCE REQUIREMENTS" Article, but not more than 0.50 cfm/sq. ft. (2.0 L/(s per m²), of fixed wall area when tested according to ASTM E783 at a minimum static-air-pressure differential of 6.24 lbf/sq. ft.

b. Water Penetration: Isolated areas shall be tested according to ASTM E1105 at a minimum uniform static-air-pressure differential of 0.67 times the static-air-pressure differential specified for laboratory testing in "Performance Requirements" Article, but not less than 12 lbf/sq. ft. (300 Pa), and shall not evidence water penetration.

c. Water Spray Test: Before installation of interior finishes has begun, areas designated by Architect shall be tested according to AAMA 501.2 and shall not evidence water penetration.

4. Whole Building testing:

a. The completed building shall be tested and the air leakage rate of the building envelope shall not exceed 0.40 cfm/ft² at a pressure differential of 0.3 inches water gauge (2.0 L/(s*m²) at 75 Pa) in accordance with ASTM E 779 or an equivalent method approved by the code official.

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b. A report that includes the tested surface area, floor area, air by volume, stories above grade, and leakage rates shall be submitted to the building owner and the Code Official.

c. If the tested rate exceeds that defined here, a visual inspection of the air barrier shall be conducted and any leaks noted shall be sealed to the extent practicable.

d. An additional report identifying the corrective actions taken to seal air leaks shall be submitted to the building owner and the Code Official and any further requirement to meet the leakage air rate will be waived.

E. Isolated Test Area Timing and Frequency.

1. Test Area: One bay wide, but not less than 30 feet (9.1 m), by one story of each exterior enclosure assembly(s)

a. Test area will incorporate, at a minimum, one of the opaque wall assemblies, a portion of the curtain wall.

b. If not shown, perform tests in each test area as directed by Design Professional.

2. Test Timing.

a. Perform Stand alone field or laboratory tests prior well ahead of actual construction to allow time for analysis of the results and documentation of the results.

b. Perform Field tests on the first completed portion of actual construction. This will most probably require "out of sequence" construction to complete the(se) portion(s) of the exterior envelope to allow for testing.

1) No further construction of the exterior envelope may continue until a complete set of successful test results are achieved.

3. Test Frequency

a. Perform a minimum of one stand alone test series and one "in place" test series.

F. Test Area Timing and Frequency for water spray test.

1. Test Area: A minimum area of 100 sf of each exterior enclosure assembly(s) incorporating as many edge and intermediary joints as possible.

2. Timing: Randomly at the discretion of the architect with 48 hours notice.

3. Frequency: 3 times over the course of construction.

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3.02 RETESTING AND CORRECTIVE MEASURES

- A. Exterior enclosure assemblies will be considered defective if they do not pass tests and inspections.
1. If the exterior enclosure assembly mock-up fails to meet the requirements, the reason for failure shall be determined and repairs shall be made to the exterior enclosure assembly(s). The exterior enclosure assembly(s) shall be re-tested at the manufacturer's cost, until it passes the requirements. The agreed upon repairs will form the typical installation detailing for the assemblies tested.
 2. If non-mockup exterior enclosure assemblies fail to meet the requirements, the reason for failure shall be determined and repairs shall be made to the affected assemblies. The failed assemblies, plus an additional two test locations selected by the architect, shall be re-tested at the manufacturer or installers cost, until the assemblies pass the requirements.
 3. Incorporate corrective measures, resulting from test failures, into all finished work to provide specified system performance.
- B. Prepare test and inspection reports.

END OF SECTION

Insert Project Name

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Exhibit J

Project Description

See attached

OSU-Cascades is seeking an Energy Trust of Oregon (ETO) Solar Trade Ally Contractor for the installation of PV panels and associated support infrastructure on the rooftops of all 5 OSU-Cascades Buildings (Residence Hall, Obsidian Hall, Tykeson Hall, Edward J. Ray Hall and Student Success Center) taking care to cost-effectively maximize the overall installation size.

Exhibit K - RESERVED

Quality Management and Control Plan

See attached

Exhibit L

Site Description

See attached

All design and construction work necessary to install PV panels on the roof tops of each of the buildings listed above. Services anticipated in that scope include but are not limited to: design, permitting (permit fees paid by OSU directly), construction, electrical installation, any structural engineering, and commissioning of the proposed system. OSU's current plans for the PV on each of the first 5 buildings are informed by the roof materials and original building design:

1. Residence Hall (c.2016) - standing seam metal roof, track mounted PV, roof mounted inverters, conduits exist to the ground level for conductor installation to main panel (see Exhibit 1)
2. Obsidian Hall (c.2016) - standing seam metal roof, track mounted PV, roof mechanical room mounted inverters, conduits exist to the ground level for conductor installation to main panel (see Exhibit 1)
3. Student Success Center (c.2024) - standing seam metal roof, track mounted PV, roof mechanical enclosure mounted inverters, conduits exist to the ground level for conductor installation to main panel (see Exhibit 1)
4. Ray Hall (c.2021) – TPO roof, mix of ballasted and rack mounted (over mech enclosure) PV, roof mechanical enclosure mounted inverters, conduits exist to the ground level for conductor installation to main panel (see Exhibit 1)
5. Tykeson Hall (c. 2016) TPO roof, mix of pedestal mounted racks and ballasted PV, roof mechanical enclosure mounted inverters, conduits exist to the ground level for conductor installation to main panel (see Exhibit 1)

An initial review of PV capacity estimated that the available rooftop area on these 5 buildings combined could generate 650KW to 800MW of electricity though each of these buildings are individually metered by Pacific Power Corp. and each building will be grid tied.

Exhibit M

Fee Matrix

See attached

Cost Matrix

Project Name:



Oregon State University

CMGC/DB Fee _____%
CMGC/DB Preconstruction Fee \$ Lump Sum
CMGC/DB General Conditions Monthly Charge \$ Per Month
CMGC/DB General Conditions Duration # of Months

Cost Responsibility Matrix for CMGC/DB				
		Subject to CMGC/DB Fee Mark Up		
CMGC Fee	Precon Fee	General Conditions	Direct Cost of Work	Owner

Construction Staff (For Project Specific Time)

In response to the evaluative sections of the solicitation, hourly rates for the staff listed below must be attributable to actual costs - base hourly wage paid to employee including fringe benefits, vacation, health care, insurance and payroll taxes only. DOES NOT include standard compensation bonus.

1	CM/GC or DB Project Manager and all on-site CM/GC or DB personnel based upon OSU approved CM/GC organization chart and percentage of time that each person is dedicated to the Project. On-Site personnel may include construction project manager, superintendents, project/field engineers, coordinator, scheduler, cost estimator, safety, quality control, administrator, Project accountant, and other Project specific personnel deemed necessary for the Project and approved by OSU			X		
2	Costs related to transportation (including trucks, shuttles, parking, corporate vehicles and their operation and maintenance, owned or rented) for all staffing in Item 1.	X				
	Communication devices, computer, tablet, project specific software, vehicle, gas, prof. development. Commuting to and from Project site and any other misc. cost associated with labor.	X				
3	Standard Compensation Bonuses	X				
4	CM/GC home (or main), branch and/or regional office general, administrative and support staff who provide corporate management oversight, corporate accounting, corporate safety, corporate quality control, corporate administration, corporate IT, legal services, corporate payroll and benefits accounting/administration.	X				
5	CM/GC Profit on all Work	X				

		CMGC Fee	Precon Fee	General Conditions	Direct Cost of Work	Owner
	Temporary Facilities					
6	Office/Trailer Rental, Furnishings, and Cleaning			X		
7	Copy/Fax/Printer & Supplies			X		
8	PPE Safety Equipment, Fire Ext & First Aid			X		
9	Fire Watch				X	
10	Temporary Toilets			X		
11	Water/Ice/Cups			X		
12	Temporary Stairs/Scaffolding				X	
13	Temporary Enclosures/Weather Protection				X	
14	Temporary Building Heating			X		
15	Project Signs & Bulletin Boards			X		
16	Temporary Fencing			X		
17	Covered Walkways			X		
18	Barricades				X	
	Overhead, Fee, Insurance and Bonds					
19	Profit and Overhead	X				
20	Builder's Risk Insurance				X - No Mark up	
21	General Liability	X				
22	Excess Liability Coverage	X				
23	Performance & Payment Bonds				X - No Mark up	
24	Subcontractor Bonds/Subcontractor Default Insurance				X - No Mark up	
25	Oregon's Corporate Activity Tax	X				
26	On-Site Equipment and Utilities					
27	Job Site Utility Set up			X		
28	Job Site Utility Consumption					X
29	Document Management Programs			X		
30	Safety/Ceremony Lunches	X				
31	Construction Progress Photos			X		
32	Off-Site Storage			X		
33	Housekeeping & Final Clean			X		
34	Trash & Recycling			X		
35	Dust Controls/Street Cleaning				X	
36	Snow and Ice Removal				X	
37	Dewatering Equipment				X	
38	Temporary Roads (if required)				X	
39	Radio equipment			X		
40	On Site Storage			X		
41	Lifts (Rented or Contractor owned)			X		
42	Lift Operators			X		
43	Fuel, Repairs, Maintenance for Lifts			X		
44	Small Tools Purchase	X				
45	Small Equipment Rental			X		
46	Crane and Hoisting				X	
47	Temporary Elevator Rental				X	
48	Elevator Operator				X	
49	Reproduction and Printing					
50	Reproduction and Printing during construction			X		

		CMGC Fee	Precon Fee	General Conditions	Direct Cost of Work	Owner
51	Permits and Special Fees					
52	Craft Parking when parking lot is not already provided by Owner			X - No Mark up		
53	PIPC Permit					X
54	General Building Permit					X
55	Craft Permits			X - No Mark up		
56	Surveying				X	

Exhibit N

Insurance

See attached

INSURANCE REQUIREMENTS

A. GENERAL.

Contractor shall, and shall cause each Subcontractor to, maintain the insurance coverages set forth below:

1. **Commercial General Liability (CGL)**
\$1,000,000 Each Occurrence
\$2,000,000 General Aggregate
\$2,000,000 Products/Completed Operations Aggregate
\$1,000,000 Personal Injury
2. **Business Automobile**
\$1,000,000 Combined Single Limit
3. **Workers' Compensation/Employers' Liability (Stop Gap)**
Statutory Workers' Compensation – Coverage A
\$1,000,000 Each Accident
\$1,000,000 Disease – Policy Limits
\$1,000,000 Disease – Each Employee
4. **Contractors Pollution Liability**
For Contractor and abatement Subcontractor(s):
\$1,000,000 Each Occurrence and General Aggregate
For Subcontractors using hazardous materials or pollutants:
\$1,000,000 Each Occurrence and General Aggregate
5. **Excess Umbrella Liability:**
For Contractor:
\$2,000,000 Each Occurrence/Annual General Aggregate
For Subcontractors:
\$1,000,000 Each Occurrence/Annual General Aggregate

B. ADDITIONAL REQUIREMENTS.

1. **Commercial General and Excess Umbrella Liability Insurance.**
 - a) CGL insurance shall be written on current ISO occurrence for CG 00 01 or its equivalent if Owner approves and shall cover liability arising from premises, operations, independent contractors, products-completed operations, death, bodily injury, property damage, personal injury and advertising injury and liability assumed under an insured contract. Excess Umbrella Insurance coverage shall be provided on a follow-form basis and Contractor shall be responsible for any gaps between underlying coverage and excess coverage for all policies required under the terms of this Agreement.

- b) The Indemnitees shall be included as additional insureds under the CGL, excess umbrella liability and contractors pollution liability coverages. The additional insured coverage under the CGL shall be on current ISO additional insured endorsements CG 20 10 (07 04) and CG 20 37 (07 04) or substitutes providing equivalent coverage if Owner approves. Such insurance shall apply as primary insurance to the additional insureds.
- c) Insurance carried by Contractor under this Exhibit shall be primary and non-contributory.

2. Completed Operations Liability Insurance.

Completed operations coverage required by the Contract Documents shall be maintained for at least ten (10) years following Final Completion of the Work.

3. Business Auto and Umbrella Liability Insurance.

- a) Business Auto and Umbrella Liability Insurance shall cover liability arising out of any auto including owned, unowned, and hired.
- b) Business auto coverage shall be written on current ISO form CA 00 01, CA 00 05, CA 00 12, CA 00 20 or its equivalent if Owner approves.
- c) If the Contractor will transport any hazardous per regulated substances, the Contractor's Auto Liability coverage shall include CA 9948 and MSC-90 endorsements (or their equivalents) to provide to provide coverage for claims resulting in bodily injury, property damage or cleanup costs associated with a pollution condition from transported cargo.

4. Railroad Protective Liability.

- a) Where required by the railroad for construction or demolition activities, procure and maintain Railroad Protective Liability meeting the railroad's requirements.
- b) If the Work involves construction or demolition operations at or near railroad property the require CGL policies shall contain current ISO Form Endorsement CG 24 17 01 96 or substitute form providing equivalent coverage.
- c) If the Work involves construction or demolition operations at or near railroad property the require Auto Liability policies shall contain current ISO Form Endorsement CA 20 70 10 01 or substitute form providing equivalent coverage.

5. General/Certificates of Insurance.

- a) All policies of insurance must be written by companies having an A.M. Best rating of no less than "A-VII", or equivalent. Owner may, upon thirty (30) days written notice to Contractor, require Contractor to change any carrier whose rating drops below an "A-VII" rating. Eligible insurers include admitted insurers that have been issued a certificate of authority from the Oregon Department of Consumer and Business Services authorizing them to conduct an insurance business and issue policies of insurance in the state of Oregon, and certain non-admitted surplus lines insurers that satisfy the requirements of applicable Oregon law and which are subject to approval the Owner.

- b) If the Contractor receives a non-renewal or cancellation notice from an insurance carrier affording coverage required herein, or receives notice that coverage no longer complies with the insurance requirements herein, or if Contractor exhausts 50% or more of the aggregate limit of any required policy, Contractor agrees to notify Owner in writing within five (5) business days with a copy of the non-renewal or cancellation notice, written specifics as to which coverage is no longer in compliance, or notice of depletion of 50% or more of a policy aggregate. When notified by Owner, the Contractor agrees to stop Work until all required insurance is confirmed in effect. Any failure to comply with the reporting provisions of this insurance, shall not alter the Contractor's obligations.
- c) Prior to commencement of any applicable Work, Contractor shall file with Owner certificates of insurance evidencing the required insurance is in effect. At Owner's request, Contractor shall deliver to Owner the actual insurance policies and any endorsements or riders. The endorsements and riders shall include cross-claim and severability of interests endorsements.

6. Deductibles.

- a) CGL and Workers' Compensation/Employer's Liability (Stop Gap) policies shall not include a deductible or self-insured retention of more than [\$200,000] per claim.

7. Professional Liability Insurance.

- a) Contractor shall maintain professional liability insurance for claims arising from any professional services Contractor and its Subcontractors perform on the Project. The professional liability insurance shall be maintained throughout the Project and for a period of not less than eight (8) years after Final Completion of the Work. Contractor's consultants and contractors working on Contractor's behalf shall maintain professional liability insurance with limits customary for the scope and character of the professional services performed.
- b) Minimum Limits:
 - a. \$3,000,000 Each Claim
 - b. \$3,000,000 General Aggregate

C. BUILDERS' RISK INSURANCE.

- 1. Builders' Risk Insurance – Completed Value Basis. Unless otherwise provided, the Contractor shall purchase and maintain, in a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located, Builders' Risk Insurance in the amount of the initial Contract Sum, plus value of subsequent modifications, change orders, and cost of material supplied or installed by others, less design costs if the Project is a Design-Build, on a replacement cost basis without optional deductibles. The earthquake and flood insurance sub-limits will be equal to the maximum probable loss.
- 2. Policy must provide coverage from the time any covered property becomes the responsibility of the Contractor, and continue without interruption during construction, renovation, or installation, including any time during which the covered property is being

transported to the construction installation site, or awaiting installation, whether on or off site.

3. Such Builders' Risk Insurance shall be maintained, unless otherwise provided in the Contract Documents or otherwise agreed in writing by all persons and entities who are beneficiaries of such insurance, until final payment has been made or until no person or entity other than the OSU has insurable interest in the property to be covered, whichever is later.
4. The Builders' Risk insurance shall include the Owner, the Contractor, subcontractors and sub-tier contractors in the Project as named insureds on the policy, and shall include a waiver of subrogation provision in favor of all parties.
5. The Builders' Risk Coverage shall be written on a Special Covered Cause of Loss form and shall include theft, vandalism, malicious mischief, collapse, false-work, temporary buildings, transit, debris removal including demolition, increased cost of construction, architect's fees and expenses, flood (including water damage), earthquake, and if applicable, all below and above ground structures, piping, foundations including underground water and sewer mains, piling including the ground on which the structure rests and excavation, backfilling, filling, and grading.
6. The Builders' Risk shall include a Beneficial Occupancy Clause. The policy shall specifically permit occupancy of the building during construction. Contractor shall take reasonable steps to obtain consent of the insurance company and delete any provisions with regard to restrictions within any Occupancy Clauses within the Builder's Risk Policy. The Builder's Risk Policy shall remain in force until final payment has been made on the project by OSU.
7. Equipment Breakdown Coverage (a.k.a. Boiler & Machinery) shall be included as required by the Contract Documents or by law, which shall specifically covers insured equipment during installation and testing (including cold and hot testing).
8. The Builders' Risk shall include loss of use due to delays in project completion caused by covered peril losses to the Project, including loss of income and rents and soft costs.
9. The deductible shall not exceed \$50,000 for physical damage and shall be the responsibility of the Contractor. The deductible shall be paid by the Contractor if the Contractor is negligent. The earthquake and flood deductible shall not exceed 2 percent of each loss or \$50,000, whichever is greater.
10. OSU shall be provided with a certificate of insurance, as well as a copy of the policy.
11. The Contractor shall be responsible for the payment of premium, giving or receiving notice of cancellation; and requesting amendments to this policy and accepting amendments to this policy made by the company.

12. OSU reserves the right, but not the obligation, to purchase the Builder's Risk insurance policy.

D. INSTALLATION FLOATER INSURANCE.

If approved by Owner, Builders' Risk Insurance may be replaced with Installation Floater Insurance. Such Installation Floater insurance must cover the Contractor's materials to be installed in completion of the work performed under this Contract. The minimum amount of coverage to be carried shall be equal to the full replacement cost of the materials to be installed. The Installation Floater insurance shall include a waiver of subrogation provision in favor of Owner and subcontractors of every tier, if any.

E. Controlled Insurance Program

1. Owner reserves the right to furnish for the benefit of the Project, the Site, and all Persons performing Work, an Owner-Controlled Insurance Program (an "OCIP") to provide some or all of the following required coverages; Workers' Compensation, General Liability, Excess Liability, and/or, Pollution Liability insurance, subject to the required coverages and according to the limits set forth in this Exhibit. Contractor and Subcontractors shall furnish and keep in force all other insurance required of them in this Exhibit. All Persons covered by the OCIP shall comply with the administrative and reporting requirements set forth in this Exhibit and required of Owner for the benefit of the OCIP.
2. At Owner's sole discretion, Owner may approve Contractor's use of a Contractor-Controlled Insurance Program (CCIP) to meet some or all of this Exhibit's requirements. In the event Contractor provides any of the required insurance through a CCIP, Contractor shall deliver to Owner for review and approval a copy of the CCIP policy upon Owner's request.

F. SUBCONTRACTOR DEFAULT INSURANCE.

1. Subject to the terms of the Agreement, and if permitted by the Agreement, including but not limited to the General Conditions, Contractor may place and maintain subcontractor default insurance.
2. The premium cost of any subcontractor default insurance policy permitted and chargeable to Owner as Cost of the Work shall be limited in accordance with the Agreement.

Exhibit O

Form of Bonds

See attached

[OREGON STATE UNIVERSITY]

**STANDARD FORM OF
PERFORMANCE BOND**

Bond No. _____

Contract _____

Contract Date _____

Project Name _____

_____ (Surety #1)

_____ (Surety #2)*

** If using multiple sureties*

Bond Amount No. 1: \$ _____

Bond Amount No. 2: * \$ _____

Total Penal Sum of Bond: \$ _____

We, _____, as Principal, and the above identified Surety or Sureties, collectively as Surety, authorized to transact surety business in Oregon, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents and will pay unto [Oregon State University], as Obligee, the sum of (Total Penal Sum of Bond) _____, lawful money of the United States of America (provided, that we the Surety bind ourselves, and our heirs, executors, administrators, successors and assigns, in such sum “jointly and severally” as well as “severally” only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety), and

WHEREAS, the Principal has entered into the above-referenced written Contract with the Obligee;

WHEREAS, the terms and conditions of the Contract are made a part of this Performance Bond by reference, whether or not attached to the Contract; and

WHEREAS, the Principal has agreed to perform the Contract in accordance with its terms, conditions, requirements, plans and specifications, and all authorized modifications of the Contract which change the amount of the work, the amount of the Contract, or constitute an authorized extension of the time for performance;

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal herein shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things undertaken by Contractor to be performed under the Contract, upon the terms set forth therein, and within the time prescribed therein, or as extended as provided in the Contract, with or without notice to the Surety, and shall indemnify and save harmless Obligee and the _____ (name of any other Owner agency), and members thereof, their respective officers, employees and agents, from and against any direct or indirect damages of every kind and description, and claims of every kind and description, that shall be suffered or claimed to be suffered in connection with or arising out of performance of the Contract by the Principal or its subcontractors, and shall in all respects perform said Contract according to law, then this obligation is to be void; otherwise, it shall remain in full force and effect.

Surety hereby waives notice of all modifications and amendments to the Contract and agrees that the obligations undertaken by this Performance Bond shall not be impaired in any manner by reason of the same.

Surety hereby agrees this Performance Bond shall be deemed amended automatically and immediately, without formal or separate amendments hereto or notice to the Surety thereof, upon any amendment to the Contract, so as to bind the Principal and Surety, jointly and severally, to the full and faithful performance of the Contract as so amended or modified, provided only that the Surety shall not be liable for more than the Total Penal Sum of Bond.

Nonpayment of the bond premium will not invalidate this bond nor shall Obligee, [or the above-referenced agency(ies)], be obligated for the payment of any premiums.

This bond is given and received under authority of ORS Chapter 279C, the provisions of which are incorporated into this bond and made a part hereof.

No right of action shall accrue on this Performance Bond to any person or entity other than Obligee and its executors, administrators, successors and assigns.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE SIGNED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES.

[Signature page follows]

Dated this _____ day of _____, 20__.

PRINCIPAL: _____

By _____
Signature

Official Capacity

Attest: _____
Corporation Secretary

SURETY: _____

[Add signatures for each surety if using multiple bonds]

BY ATTORNEY-IN-FACT:
[Power-of-Attorney must accompany each surety bond]

Name

Signature

Address

City State Zip

Phone Fax

[OREGON STATE UNIVERSITY]

**STANDARD FORM OF
PAYMENT BOND**

Bond No. _____

Contract _____

Contract Date _____

Project Name _____

_____ (Surety #1) Bond Amount No. 1: \$ _____

_____ (Surety #2)* Bond Amount No. 2:* \$ _____

* *If using multiple sureties* Total Penal Sum of Bond: \$ _____

We, _____, as Principal, and the above identified Surety or Sureties, collectively as Surety, authorized to transact surety business in Oregon, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents and will pay unto [Oregon State University], as Obligee, the sum of (Total Penal Sum of Bond) _____ lawful money of the United States of America (provided, that we the Surety bind ourselves, and our heirs, executors, administrators, successors and assigns, in such sum “jointly and severally” as well as “severally” only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety), and

WHEREAS, Principal has entered into the above-referenced written Contract with the Obligee;

WHEREAS, the terms and conditions of the Contract are made a part of this Payment Bond by reference, whether or not attached to the Contract; and

WHEREAS, the Principal has agreed to perform the Contract in accordance with its terms, conditions, requirements, plans and specifications, and all authorized modifications of the Contract which change the amount of the work, the amount of the Contract, or constitute an authorized extension of the time for performance;

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things by it undertaken to be performed under said Contract and any duly authorized modifications that are made, upon the terms set forth therein, and within the time prescribed therein, or as extended therein as provided in the Contract, with or without notice to the Sureties, and shall indemnify and save harmless Obligee and the _____ (name of any other Owner agency), and members thereof, their respective officers, employees and agents, against any claim for direct or indirect damages of every kind and description that shall be suffered or claimed to be suffered in connection with or arising out of the performance of the Contract by the Principal or its subcontractors, and shall promptly pay all persons supplying labor, materials, or services to the Principal or its subcontractors for prosecution of the work provided in the Contract; and shall promptly pay all contributions due the State Industrial Accident Fund and the State Unemployment Compensation Fund from the Principal or its subcontractors in connection with the performance of the Contract; and shall pay over to the Oregon Department of Revenue all sums required to be deducted and retained from the wages of employees of the Principal and its subcontractors

pursuant to ORS 316.167, and shall permit no lien nor claim to be filed or prosecuted against the Obligee, the State, Project or the work of the Contract, on account of any labor, materials, or services; and shall do all things required of the Principal by the laws of this State, then this obligation shall be void; otherwise, it shall remain in full force and effect.

Surety hereby waives notice of all modifications and amendments to the Contract and agrees that the obligations undertaken by this Payment Bond shall not be impaired in any manner by reason of the same.

Surety hereby agrees this Payment Bond shall be deemed amended automatically and immediately, without formal or separate amendments hereto or notice to the Surety thereof, upon any amendment to the Contract, so as to bind the Principal and Surety, jointly and severally, to the full and faithful performance of the Contract as so amended or modified, provided only that the Surety shall not be liable for more than the Total Penal Sum of Bond.

Nonpayment of the bond premium will not invalidate this bond nor shall the Obligee, [or the above-referenced agency(ies)], be obligated for the payment of any premiums.

This bond is given and received under authority of ORS Chapter 279C, the provisions of which hereby are incorporated into this bond and made a part hereof.

This Payment Bond is made for the use and benefit of all persons and entities who may furnish materials or perform labor or services on account of the construction to be performed or supplied in accordance with the Contract, and each of them may sue hereon.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES:

[Signature page follows]

Dated this _____ day of _____, 20__.

PRINCIPAL: _____

By _____
Signature

Official Capacity

Attest: _____
Corporation Secretary

SURETY: _____

[Add signatures for each surety if using multiple bonds]

BY ATTORNEY-IN-FACT:
[Power-of-Attorney must accompany each surety bond]

Name

Signature

Address

City State Zip

Phone Fax

Exhibit P

Form of Change Order

See attached.



Oregon State University

CHANGE ORDER **ONE** TO OSU CMGC CONTRACT #**XXXX**

PROJECT NAME: **XXX**

This Change Order XX ("CO X") to the above named Agreement entered into between **Oregon State University ("Owner")**, and **Contractor Name ("Contractor")**, individually the "Party" and collectively the "Parties", shall become effective on the date this CO X has been signed by all the Parties (the "CO X Effective Date").

1. SCOPE OF WORK AND COMPENSATION

The "Work" shall be modified to add, delete or change the following **as more specifically set out in Exhibit A, Scope of Work, which is attached hereto and incorporated herein to this CO X:**

SCOPE OF WORK	COMPENSATION
	\$ 0.00 Fixed Fee
	\$ 0.00 Fixed Fee
	\$ 0.00 Time & Materials
Change Order X total	\$ 0.00
Original Agreement Price	\$ 0.00
Previous executed Change Orders	\$ 0.00
New Agreement Price (maximum compensation amount)	\$ 0.00

2. AGREEMENT TERM

The Final Completion date shall be changed from **Date to Date due to (reason)**. No work shall take place after this date.

Unless expressly modified in this CO X or prior CO's, all terms and conditions of the Agreement remain unchanged and in full force and effect.

In witness whereof, **Oregon State University** executes this CO X and the Contractor does execute the same as of the CO X Effective Date.

Contractor Name

Oregon State University

Signature

Date

Bruce Daley

Date

Associate Vice President

Printed Name

University Facilities, Infrastructure and
Operations

Title

EXHIBIT A
SCOPE OF WORK

Exhibit Q
Change Pricing

Unless Owner otherwise previously approves in writing, an increase or decrease in the Contract Sum by Change Order shall be determined by the actual Cost of the Work of the change, plus allowances for overhead and profit, all as set forth below. Contractor shall provide to Owner Parties supporting documentation of the actual Cost of the Work of the change sufficient to support Contractor's costs.

The allowable overhead and profit mark-ups included in each Change Order shall be as provided for below for the Prime Contractor with those same rates being utilized for Deductive Change Orders as well:

- Design-Builder & Subcontractors (from any/all tiers)
Such Work shall be compensated on the basis of the actual, reasonable and allowable cost of labor, equipment, and material furnished on the Work performed. In addition, the following markups shall be added to the Contractor's or Subcontractor's Direct Costs as full compensation for profit, Overhead and other indirect costs for Work directly performed with the Contractor's or Subcontractor's own forces:

On Labor.....	15%
On Equipment.....	10%
On Materials.....	10%

When adjustments to or deletions from the Work are invoiced by an authorized Subcontractor at any level, each ascending tier Subcontractor or Contractor will be allowed a supplemental mark-up on each piece of subcontract Work covered by a Change Order as follows:

On Subcontract Work.....	7%
--------------------------	----

OVERHEAD, means those items which may be included in the Contractor's markup (general and administrative expense and profit) and that shall not be charged as Direct Cost of the Work, including without limitation such Overhead expenses as wages or salary of personnel above the level of foreman (i.e., superintendents and project managers), expenses of Contractor's offices and supplies at the job site (e.g. job trailer) and at Contractor's principal place of business and including expenses of personnel staffing the job site office and Contractor's principal place of business, and Commercial General Liability Insurance and Automobile Liability Insurance.

DIRECT COSTS, means, unless otherwise provided in the Contract Documents, the cost of materials, including sales tax, cost of delivery; cost of labor, including social security, Medicare and unemployment insurance, and fringe benefits required by agreement or custom; worker's compensation insurance; project specific insurance (including, without limitation, Builder's Risk Insurance and Builder's Risk Installation Floater); bond premiums, rental cost of equipment, and machinery required for execution of the Work; and the additional costs of field personnel directly attributable to the Work.