

UO Classroom Expansion Straub and Earl Halls 100% CD Package Bid Package #2 October 10th, 2013

TABLE OF CONTENTS

DOCUMENT DESCRIPTION

- Section A Scope Package Breakout & Numbering Reference
- Section B Instructions to Bidder
- Section C Bid Form
- Section D Bid Package Attachments
- Attachment 1 List of Drawings and Specifications
- Attachment 2 Bid Packages Scopes of Work
- Attachment 3 Sample Subcontract (w/ subcon attachments)
- Attachment 4 Project Schedule & Logistics Plan
- Attachment 5 Project Insurance Requirements
- Attachment 6 LEED Requirements
- Attachment 7 Subcontractor Pre-Qualification Questionnaire
- Attachment 8 Geotechnical Report
- Attachment 9 BOLI Prevailing Wage Rates
- Attachment 10 OUS General & Supplemental Conditions

Attachment 11 Subcontractor Proposal Scorecard

END OF DOCUMENT



UO Classroom Expansion

100% CD Package Bid Package #2 October 10, 2013

Section A

Scope Package Breakout & Numbering Reference

Package #		Specification Section #	Specification Section
2.01	Architectural Concrete	Div 0	Procurement & Contracting
		Div 1	General Requirements
		03 1000	Concrete Forming & Access
		03 2000	Concrete Reinforcing
		03 3000	Cast-In-Place Concrete
2.02	Precast Architectural concrete	03 3713	Shotcrete Procurement & Contracting
2.02	Precast Architectural concrete	Div 0	ç
		Div 1	General Requirements
		03 4500	Precast Arch. Concrete
2.03	Masonry Veneer	Div 0	Procurement & Contracting
		Div 1	General Requirements
		04 0100	Maintenance of Masonry
		04 0511	Masonry Mortaring and Grouting
		04 2000	Unit Masonry
		04 2001	Masonry Veneer
2.04	Metal Fabrications	Div 0	Procurement & Contracting
		Div 1	General Requirements
		05 4000	Cold-Formed Metal Framing
		05 5000	Metal Fabrications
		05 5100	Metal Stairs
2.05	Interior Concrete	Div 0	Procurement & Contracting
		Div 1	General Requirements
		06 1000	Rough Carpentry
2.06	Architectural Woodwork	Div 0	Procurement & Contracting
		Div 1	General Requirements
		06 2000	Finish Carpentry
		06 4100	Architectural Woodwork
2.07	Roofing	Div 0	Procurement & Contracting
	5	Div 1	General Requirements
		07 5100	Built-up Bituminous Roofing
		07 5400	Thermoplastic Membrane Roofing
2.08	Skylights	Div 0	Procurement & Contracting
	, ,	Div 1	General Requirements
		07 6200	Sheet Metal Flashing and Trim
		08 6300	Metal Framed Skylights
2.09	Metal Panel and Flashing	Div 0	Procurement & Contracting
	g	Div 1	General Requirements
		07 4213	Metal Wall Panels
		07 6200	Sheet Metal Flashing and Trim

		07 9513	Expansion Joint Cover Assemb
		08 9100	Louvers
2.10	Water Repellents/Sealants	Div 0	Procurement & Contracting
		Div 1	General Requirements
		07 1113	Bituminous Damproofing
		07 1900	Water Repelents
		07 2100	Thermal Insulation
		07 2119	Foamed-in-place Insulation
		07 2500	Weather Resistive Barriers
		07 8100	Applied Fireproofing
		07 8400	Firestopping
		07 9005	Joint Sealers
2.11	Doors, Frames and Hardware	Div 0	Procurement & Contracting
	,	Div 1	General Requirements
		08 1113	Hollow Metal Doors and Frame
		08 1416	Flush Wood Doors
		08 7100	Door Hardware
2.12	Overhead Coiling Doors	Div 0	Procurement & Contracting
		Div 1	General Requirements
		08 3323	Overhead Coiling Doors
2.13	Aluminum, Glass, and Glazing	Div 0	Procurement & Contracting
		Div 1	General Requirements
		08 4313	Aluminum Framed Storefronts
		08 4413	Glazed Aluminum Curtain Wall
		08 8000	Glazing
2.14	Signage	Div 0	Procurement & Contracting
		Div 1	General Requirements
		10 1400	Signage
2.15	Architectural Specialties	Div 0	Procurement & Contracting
2.10		Div 1	General Requirements
		10 1101	Visual Display Boards
		10 2113.19	Plastic Toilet Compartments
			-
		10 2601 10 2800	Wall and Corner Guards Toilet Room and Utility Room
		10 2000	Accessories
		10 4400	Fire Protection Specialties
2.16	Tiling and Flooring	Div 0	Procurement & Contracting
2.10		Div 1	General Requirements
			Common Work Results for
		09 0561	
		00.0000	Flooring Preparation
		09 3000	Tiling
		09 6500	Resilient Flooring
		09 6800	Carpeting
		09 6813	Tile Carpeting
0.47		12 4813	Entrance Mats and Frames
2.17	Concrete Floor Finishes	Div 0	Procurement & Contracting
		Div 1	General Requirements
		03 3511	Concrete Floor Finishes
2.18	Metal Stud Framing, Drywall &	Div 0	Procurement & Contracting
	Insulation	Div 1	General Requirements
		09 2116	Gypsum Board Assemblies

	1	09 2300	Gypsum Plastering
		09 2400	Portland Cement Plastering
		09 7200	Wall Coverings
		09 8311	Acoustical Wall Systems
2.19	Acoustic Ceilings	Div 0	Procurement & Contracting
_	3	Div 1	General Requirements
		09 5100	Acoustical Ceiling
2.20	Painting and Coatings	Div 0	Procurement & Contracting
_		Div 1	General Requirements
		09 9000	Painting and Coating
2.21	Acoustical Wall Systems	Div 0	Procurement & Contracting
	,	Div 1	General Requirements
		09 8311	Acoustical Wall Systems
2.22	Window Coverings	Div 0	Procurement & Contracting
	<u> </u>	Div 1	General Requirements
		12 2400	Window Shades
2.23	Fixed Audience Seating	Div 0	Procurement & Contracting
		Div 1	General Requirements
		12 6100	Fixed Audience Seating
		12 6110	Fixed Audience Seating (Alt 4A)
		12 0110	
		12 6120	Fixed Audience Seating (Alt 4B)
2.24	Site Furnishings	Div 0	Procurement & Contracting
		Div 1	General Requirements
		1209300	Site Furnishings
2.25	Elevator	Div 0	Procurement & Contracting
		Div 1	General Requirements
		14 2100	Traction Elevators - MRL
2.26	Fire Suppression	Div 0	Procurement & Contracting
		Div 1	General Requirements
		21 0500	Common Work Results for Fire Suppression
		21 0553	Identification for Fire Suppression Piping and Equipment
		21 0800	Commissioning of Fire Suppression
		21 1300	Fire-Suppression Sprinkler Systems
2.27	Plumbing	Div 0	Procurement & Contracting
		Div 1	General Requirements
		22 0500	Basic Materials and Methods- Plumbing
		22 0501	Plumbing
		22 0533	Heat Tracing
		22 0700	Plumbing Insulation
		22 0800	Commissioning of Plumbing
		22 1123	Plumbing Equipment
		22 2113	Plumbing Piping, Valves and
			Specialtties
		22 2123	Pumps and Specialties
		22 4000	Plumbing Fixtures

2.28	HVAC	Div 0	Procurement & Contracting
		Div 1	General Requirements
		23 0500	Basic HVAC Materials and Methods
		23 0548	Vibration Isolation and Seismic Restraint for Piping, Ductwork and
		23 0593	Testing, Adjusting, and Balancing
		23 0700	HVAC Insulation
		23 0800	Commissioning of HVAC
		23 0900	Instrumentation and Control
		23 0993	Sequence of Operations for HVAC Controls
		23 2113	HVAC Piping, Valves, and Specialties
		23 2123	Pumps and Hydronic Specialties
		23 2500	HVAC Water Treatment
		23 3113	Air Distribution
		23 3413	Fans and Vents
		23 4100	Air Filtration
		23 7315	Air Handling Unit
2.20	Floatrical	23 8239	Heat Transfer
2.29	Electrical	Div 0 Div 1	Procurement & Contracting
		26 0001	General Requirements Electrical Design Requirements for LEED Version 2.1 Projects
		26 0513	
		26 0519	Medium-Voltage Cables Low-Voltage Electrical Power Conductors and Cables
		26 0526	Grounding and Bonding for Electrical Systems
		26 0529	Hangers and Supports for Electrical Systems
		26 0533	Raceways and Boxes for Electrical Systems
		26 0535	Production Systems Electrical Installation
		26 0548	Vibration and Seismic Controls for Electrical Systems
		26 0553	Identification for Electrical Systems
		26 0573	Overcurrent Protective Device Coordination Study
		26 0800	Commission of Electrical Systems
		26 0921	Electrochromic Glazing Controls (Alternate 8)
		26 0923	Lighting Control Devices
		26 0943	Network Lighting Control
		26 2200	Low-Voltage Transformers
		26 2416	Panelboards

		26 2726	Wiring Devices
		26 2816	Enclosed Switches and Circuit Breakers
		26 2923	Variable-Frequency Drives (VFD)
		26 5100	Interior Lighting
		26 5600	Exterior Lighting
2.30	Communications	Div 0	Procurement & Contracting
		Div 1	General Requirements
		27 0528	Communications Pathways
		27 1313	Telephone Backbone Cabling
		27 1323	Optical Fiber Backbone Cabling
		27 1333	Category 6A Backbone Cabling
		27 1513	Category 5E Horizontal Cabling
		27 4117	AV Systems
2.31	AV Systems	Div 0	Procurement & Contracting
		Div 1	General Requirements
		27 4117	AV Systems
2.32	Electronic Safety and Security	Div 0	Procurement & Contracting
		Div 1	General Requirements
		28 0000	Electronic Safety and Security
		28 1000	Electronic Acess Control and Intrusion System
		28 3111	Digital, Addressable Fire-Alarm System
2.33	Concrete Paving	Div 0	Procurement & Contracting
		Div 1	General Requirements
		32 1313	Concrete Paving
2.34	Landscaping	Div 0	Procurement & Contracting
		Div 1	General Requirements
		32 8400	Irrigation
		32 9000	Planting

END OF DOCUMENT



Section B

Instructions to Bidders **1: INTRODUCTION** FORTIS Construction, Inc. is requesting lump sum bid proposals from selected subcontractors and/or vendors for certain scopes of work in the construction of the Classroom Expansion Straub and Earl Halls located at 1437 Onyx Street in Eugene, OR. FORTIS Construction, Inc. will enter into Subcontract agreements for the specified 1.1 scopes of work with the awarded subcontractors and/or vendors. FORTIS will serve as the Construction Manager/General Contractor. Bids will be received at Fortis Construction Inc's offices located at 1705 SW Taylor St., Suite 200, Portland, OR 97205 on or before the date and time outlined on the Bid Form October 29, 2013 2:00PM PST. Bids can be 1.2 faxed, e-mailed or hand-delivered (see Section C Bid Form). A Non Mandatory PRE-BID CONFERENCE is scheduled for October 22nd at 9:00 A.M. in the Ben Linder 1.3 Room located in the Erb Memorial Union (EMU) building . Attendance will be taken. These instructions are provided to Bidders so that they may properly respond to the Request for Proposal. Each 1.4 Bidder is directed to carefully review these instructions and all the referenced documents prior to submitting their Bid. Questions regarding the bid shall be directed to FORTIS Construction. Inc. in writing, by mail or e-mail to at or faxed to 503-459-4478. Bidders are directed NOT to contact Owner or Architect or their consultants directly with 1.5 questions regarding clarifications, substitutions, exceptions, or exclusions involving the bid.

2: DOCUMENTS

The documents listed in the Table of Contents are critical to the Bid Proposal and must be thoroughly reviewed
 by the Bidder. By submitting a Bid Proposal, Bidder acknowlesdges it has reviewed all stated documents and have included them in the bid price.

2.2 All bid documents are available at: ftp://projects.fortisconstruct.com/

User Name: UOStraubClassExpStudy

Password: ViXIEQME

3: SUBMISSION AND FORM OF BID

- All bids shall be submitted on the Bid Form prepared by FORTIS Construction, Inc. along with additional information requested. Each Bidder must complete the Bid Form in its entirety. Additional information, clarifications or exclusions to the proposal may be attached (as a separate document) to the Bid Form upon submission of the Bid. Each Bidder on its signed Bid Form will acknowledge receipt of all Addenda and Amendments.
- **3.2** All bids once submitted shall remain valid and binding for sixty (60) days. FORTIS Construction, Inc. shall at any time during that sixty (60) day period have the right to accept the bid without any changes in either price or time.
- **3.3** By submitting a bid, the Bidder acknowledges they have thoroughly reviewed and evaluated all the documents and their proposal accurately reflects what is required to complete their portion of the work.
- **3.4** By submitting a bid, the Bidder acknowledges that they have thoroughly reviewed the site conditions and included any cost associated within any bid amounts requested.
- **3.5** Fortis and the Owner reserves the right to accept or reject any or all bids received.

A Sample Subcontract for this Bid Package is included as an Appendix to the Bid Package. Bidders are required to review this Subcontract before submitting its bid. <u>BIDDER SHALL LIST ANY EXCEPTIONS OR CLAIRIFICATIONS TO THE SUBCONTRACT AGREEMENT AS A PART OF ITS SUBMISSION. Bidders shall not be entitled to take exception to or make changes to the Subcontract Agreement after the bid is submitted. If any bidder should take exception, request changes, or request negotiations after bid submission without having done so in writing as a part of their bid submittal process, Fortis and the Owner shall have the right to disqualify the Subcontractor from further consideration of award.
</u>

- 3.7.1 DEFINITION OF ENTITIES: The following are definitions related to entities involved in this project
- **3.7.2** Bidder: Entity submitting a bid for the specified scopes of work. Bidder may also be referred to as Vendor, Supplier or Subcontractor.
- 3.7.3 Construction Manager/General Contractor: Fortis Construction, Inc.
- 3.7.4 Owner: University of Oregon

- 3.7.5 Architect: Rowell Brokaw Architects
- 3.7.6 Structural Engineer-of-Record: Catena
- 3.7.7 Mechanical Engineer: Glumac
- 3.7.8 Bidders will not be compensated for costs related to the preparation and submission of their bid submittal.

4: AWARD OF CONTRACT

- Bids will be evaluated by FORTIS with input from the Owner. The following selection criteria will be considered in evalutating subcontractor selection: (1) Cost (2) MWESB Participation (3) Safety Record (4) Schedule (5) Key Personnel (6) Similar Project Experience and (7) Sustainability. Any uncertainty on the part of Owner and/or Fortis Construction, Inc. regarding these items are grounds for not accepting a subcontractors bid for this project.
- 4.1 Fortis Construction, Inc. regarding these items are grounds for not accepting a subcontractors bid for this project. Interviews may be required for trades deemed necessary to ensure a timely, safe, problem free jobsite project. SEE ATTACHMENT 11 FOR SUBCONTRACTOR PROPOSAL SCORECARD FOR BASIS OF SELECTING SUBCONTRACTOR.
- 4.2 The successful Bidder will be notified only after the thorough review and evaluation of all received bids by FORTIS and acceptance of recommendation for award by the Owner. The successful Bidder will be notified in writing by FORTIS and must be prepared to begin work immediately upon receipt of a fully executed Subcontract.
- Prior to being granted access to the site, the successful Subcontractor and any tier subcontractors must provide
 proof of all insurance required to be maintained by the Subcontractor and subcontractors pursuant to the General Terms and Conditions for Construction and a signed contract/letter of intent.
- Please note that portions of the bid package may be awarded to multiple subcontractors. An example is, the excavation for the street improvements may be awarded to one Bidder and the West Parking Lot may go to another.

5. CONTRACT AND BOND REQUIREMENTS

- 5.1 Every subcontractor performing work in the public right-of-way is required to file a Public Works bond for \$30,000 with Oregon CCB before starting work on the project and remain in effect continuously during the project. Certified DBE/MWESB contractors are exempt from this requirement for first 4 years of certification when proof of exemption is filed with CCB.
- **5.2** Prevailing Wage Rates (BOLI) 41463 required on this project based on the latest Bid Package #1. Prevailing Wage Rates are available at the BOLI website at August 13th, 2014 2:00 P.M..
- **5.3** Each Bidder shall be bondable for an amount equal to 100% of its bid for the duration of the project, including any accepted alternates.
- Bidders shall quote a payment and performance bond cost for their respective scope of work. The cost of the payment and performance bond, if elected to be exercised by FORTIS or Owner, will be added to the Subcontract amount as a Change Order.
- 5.5 Unless instructed otherwise in the bid documents, a bid bond is not required.
- Bidder agrees to execute a Fortis standard Subcontract under compliance with Section 3.6 when submitting a bid
 proposal. Bidder agrees to execute the Subcontract and Subcontract Change Orders electronically utilizing DocuSign®. Hand written signature execution will not be accepted.

6. INSURANCE REQUIREMENTS

6.1 See Attachment 5 for project insurance requirements. Bidders are directed to provide insurance limits stipulated in Attachment 5 and include all such costs in its bid. <u>THE OWNER AND FORTIS WILL NOT ACCEPT INSURANCE COVERAGE LIMITS THAT DO NOT MEET OR EXCEED LEVELS STIPULATED IN THE BID DOCUMENTS.</u>



UO Classroom Expansion Straub and Earl Halls 100% CD Package

Bid Package #2

October 10, 2013

Attachment 1 List of Drawings and Specifications

This Attachment is attached and incorporated into the above referenced Subcontract Agreement between the parties, as the parties desire to amend said document. In the event of any conflict, inconsistency or ambiguity between the terms and provisions of this Attachment and those of the above referenced Subcontract Agreement between the parties, this Attachment shall govern.

1. DRAWINGS ISSUED (as prepare	d by RBA/Opsis)		bp 1
DWG	TITLE	DATE	REV
General			
60.01	COVER SHEET - PROJECT INFORMATION	10/7/2013	
60.02	CODE - BASEMENT, 1ST, AND 2ND FLOORS	10/7/2013	
60.03	CODE - 3RD AND 4TH FLOORS	10/7/2013	
i1.00	BASEMENT DEMOLITION PLAN	Bid Pack 1	Reference
61.01	FIRST FLOOR DEMOLITION PLAN	Bid Pack 1	Reference
61.02	ROOF DEMOLITION PLAN	Bid Pack 1	Reference
62.00	RATED ASSEMBLY DIAGRAMS	10/7/2013	
62.01	RATED ASSEMBLY DIAGRAMS	10/7/2013	
Civil			
1.0	CIVIL NOTES	10/7/2013	
2.0	UTILITY DEMOLITION PLAN	10/7/2013	
3.0	CIVIL UTILITY PLAN	10/7/2013	
4.0	CIVIL DETAILS	10/7/2013	
andscape			
1.00	TREE REMOVAL AND PRESERVATION PLAN	10/7/2013	
2.00	SITE PLAN	10/7/2013	
3.00	LAYOUT PLAN	10/7/2013	
4.00	GRADING PLAN	10/7/2013	
5.00	MAINLINE PLAN	10/7/2013	
5.01	IRRIGATION PLAN	10/7/2013	
6.00	LANDSCAPE PLAN	10/7/2013	
7.00	SITE DETAILS	10/7/2013	
7.01	SITE DETAILS	Bid Pack 1	Reference
8.00	IRRIGATION DETAILS	10/7/2013	
9.00	LANDSCAPE DETAILS	10/7/2013	
Architectural - Core and Shell			
1.01	SITE TRASH ENCLOSURE PLANS, SECTIONS, AND ELEVATIONS	10/7/2013	
1.02	SITE TRASH ENCLOSURE DETAILS	10/7/2013	
1.03	SITE STRUCTURES - AREAWAY	10/7/2013	
1.04	SITE STRUCTURES - AREAWAY DETAIL	10/7/2013	
2.00	BASEMENT CORE AND SHELL PLAN	Bid Pack 1	Reference
A2.01	FIRST FLOOR CORE AND SHELL PLAN	10/7/2013	
2.02	SECOND FLOOR CORE AND SHELL PLAN	10/7/2013	
2.03	ROOF PLAN	10/7/2013	
3.01	BUILDING ELEVATIONS	10/7/2013	
3.02	BUILDING ELEVATIONS	10/7/2013	
4.01	BUILDING SECTIONS	10/7/2013	
4.02	BUILDING SECTIONS	10/7/2013	
4.03	BUILDING SECTIONS	10/7/2013	
4.04	BUILDING SECTIONS	10/7/2013	
4.10	WALL SECTIONS EARL BUILDING SEPARATION	10/7/2013	
4.11	WALL SECTIONS LEAVE BOILDING SEPARATION WALL SECTIONS LECTURE HALL WALL TO ROOF CONDITIONS	10/7/2013	
A4.12	WALL SECTIONS LECTORE HALL WALL TO ROOF CONDITIONS	10/7/2013	
17.12	WALL SECTIONS CONTAIN WALLS AND FENTHOUSE	101112010	

A4.13	WALL SECTIONS SOUTH WALL	10/7/2013
A4.14	WALL SECTIONS NORTH WALL	10/7/2013
A4.15	WALL SECTIONS MISC	10/7/2013
A5.01	ENLARGED STAIR PLANS, SECTIONS & ELEVATIONS	10/7/2013
A5.02	ENLARGED STAIR PLANS, SECTIONS & ELEVATIONS	10/7/2013
A5.03	STAIR AND GUARDRAIL DETAILS	10/7/2013
A5.04	STAIR AND GUARDRAIL DETAILS	10/7/2013
A5.05	STAIR AND GUARDRAIL DETAILS	10/7/2013
A5.10	ELEVATOR AND SHAFT PLANS AND SECTIONS	10/7/2013
A5.11	ENLARGED PLANS	10/7/2013
A5.12	ENLARGED PLANS	10/7/2013
A6.01	EXTERIOR WINDOW SCHEDULE AND STOREFRONT ELEVATIONS	10/7/2013
A7.01	EXTERIOR DETAILS - WINDOWS	10/7/2013
A7.02	EXTERIOR DETAILS - WINDOWS	10/7/2013
A7.03	EXTERIOR DETAILS - WINDOW SECTION DETAILS	10/7/2013
A7.04	EXTERIOR DETAILS - CONTAIN WALL AND LAKE STOKER KONT	10/7/2013
A7.05	EXTERIOR DETAILS - OF ENINGS	10/7/2013
A7.06	EXTERIOR DETAILS - BRICK EXTERIOR DETAILS - BRICK PLAN DETAILS	10/7/2013
	EXTERIOR DETAILS - BRICK PLAN DETAILS	10/7/2013
A7.07		10/7/2013
A7.10	EXTERIOR DETAILS - WALL SECTION	10/7/2013
A7.11	EXTERIOR DETAILS - ROOF DETAILS	10/7/2013
A7.12	EXTERIOR DETAILS - ROOF DETAILS	
A7.13	EXTERIOR DETAILS - SKYLIGHTS AND EXTERIOR CONDITIONS	10/7/2013
A7.20	EXTERIOR ASSEMBLIES - ENTRY CANOPIES	10/7/2013
		<u> </u>
Architectural - Interior		10/7/0040
AI2.00	BASEMENT PARTITION PLAN	10/7/2013
AI2.01	FIRST FLOOR PARTITION PLAN	10/7/2013
AI2.02	SECOND FLOOR PARTITION PLAN	10/7/2013
AI2.10	BASEMENT DIMENSION PLAN	10/7/2013
AI2.11	FIRST FLOOR DIMENSION PLAN	10/7/2013
AI2.12	SECOND FLOOR DIMENSION PLAN	10/7/2013
AI2.20	BASEMENT REFLECTED CEILING PLAN	10/7/2013
AI2.21	FIRST FLOOR REFLECTED CEILING PLAN	10/7/2013
AI2.22	SECOND FLOOR REFLECTED CEILING PLAN	10/7/2013
AI2.30	BASEMENT FINISH PLAN	10/7/2013
AI2.31	FIRST FLOOR FINISH PLAN	10/7/2013
AI2.32	SECOND FLOOR FINSIH PLAN	10/7/2013
AI2.40	BASEMENT FURNITURE PLAN - FOR REFERENCE ONLY	10/7/2013
AI2.41	FIRST FLOOR FURNITURE PLAN - FOR REFERENCE ONLY	10/7/2013
AI2.42	SECOND FLOOR FURNITURE PLAN - FOR REFERENCE ONLY	10/7/2013
Al4.01	INTERIOR WALL SECTIONS	10/7/2013
AI5.01	FIRST FLOOR ENLARGED PLANS	10/7/2013
AI5.02	SECOND FLOOR ENLARGED PLANS	10/7/2013
AI5.11	ENLARGED RESTROOM PLANS	10/7/2013
Al6.01	INTERIOR PARTITION ASSEMBLIES	10/7/2013
AI7.01	INTERIOR DETAILS	10/7/2013
AI7.02	INTERIOR DETAILS	10/7/2013
AI7.02 AI7.03	INTERIOR DETAILS	10/7/2013
AI7.03 AI7.04		10/7/2013
AI7.04 AI7.05	INTERIOR DETAILS	10/7/2013
	INTERIOR DETAILS	10/7/2013
AI7.06		10/7/2013
AI7.07		10/7/2013
AI7.10		10/7/2013
Al8.01	INTERIOR DOOR SCHEDULE, DOOR AND FRAME TYPES	10/7/2013
Al9.01		10/7/2013
AI9.02		
AI9.03	INTERIOR ELEVATIONS	10/7/2013
AI9.04	INTERIOR ELEVATIONS	10/7/2013
AI9.05	INTERIOR ELEVATIONS	10/7/2013
AI9.06	INTERIOR ELEVATIONS	10/7/2013
AI9.07	INTERIOR ELEVATIONS	10/7/2013
AI5.07		10/7/2013
AI9.08	INTERIOR ELEVATIONS	
	INTERIOR ELEVATIONS INTERIOR ELEVATIONS	10/7/2013
AI9.08		

FIXED SEATING			
TS-001	FIXED SEATING PLANS - NOT INCLUDED	10/7/2013	
TS-002	FIXED SEATING PLANS - NOT INCLUDED	10/7/2013	
STRUCTURAL			
	GENERAL STRUCTURAL NOTES, DRAWING INDEX, SYMBOLS AND		
51.01	ABBREVIATIONS	Bid Pack 1	Reference
51.02	SPECIAL INSPECTIONS TABLES	Bid Pack 1	Reference
52.00	BASEMENT AND FOUNDATION PLAN	Bid Pack 1	Reference
52.01	FIRST FLOOR FRAMING PLAN	Bid Pack 1	Reference
52.02	SECOND FLOOR FRAMING PLAN	Bid Pack 1	Reference
52.03	ROOF FRAMING PLAN	Bid Pack 1	Reference
52.04	PARTIAL ROOF FRAMING PLAN	Bid Pack 1	Reference
53.01	WALL ELEVATIONS	Bid Pack 1	Reference
53.02	WALL ELEVATIONS	Bid Pack 1 Bid Pack 1	Reference
53.03	WALL ELEVATIONS	10/7/2013	Reference
54.00	MISC. STEEL NOTES AND DRAWING INDEX	10/7/2013	
54.01	CANOPY FRAMING PLANS	10/7/2013	
54.02	STAIR AND RAILING PLANS AND DETAILS	Bid Pack 1	Reference
55.01	TYPICAL CONCRETE DETAILS	Bid Pack 1 Bid Pack 1	Reference
55.02	MASONRY DETAILS	Bid Pack 1 Bid Pack 1	Reference
55.03 56.01	CONCRETE DETAILS TYPICAL STEEL DETAILS	Bid Pack 1 Bid Pack 1	Reference
66.01 66.02		Bid Pack 1 Bid Pack 1	Reference
	METAL DECK DETAILS	Bid Pack 1 Bid Pack 1	Reference
56.03 56.04	STEEL DETAILS STEEL DETAILS	Bid Pack 1	Reference
57.01	CANOPY DETAILS	10/7/2013	Reference
57.01	CANOPT DETAILS	10/1/2010	
FIRE PROTECTION			
F0.1	GENERAL FIRE PROTECTION NOTES AND SPECIFICATIONS	10/7/2013	
=0.2	BASEMENT FIRE PROTECTION DEMOLITION PLAN	10/7/2013	
F1.0	BASEMENT FIRE PROTECTION PLAN	10/7/2013	
F1.1	1ST FLOOR FIRE PROTECTION PLAN	10/7/2013	
51.2	2ND FLOOR FIRE PROTECTION PLAN	10/7/2013	
F1.3	SECTIONS	10/7/2013	
F1.4	SECTIONS	10/7/2013	
Plumbing			
P0.00	COVER SHEET WITH INDEX AND LEGEND	10/7/2013	
P1.00	PLUMBING SCHEDULE - PLUMBING	Bid Pack 1	Reference
21.01	UNDERGROUND DEMO - PLUMBING	10/7/2013	
2.00	UNDERGROUND PLAN - PLUMBING - FOR REFERENCE ONLY	10/7/2013	
2.01	BASEMENT PLAN - PLUMBING - FOR REFERENCE ONLY	10/7/2013	
2.10	1ST FLOOR PLAN - PLUMBING PLAN	10/7/2013	
2.20	2ND FLOOR PLAN - PLUMBING PLAN	10/7/2013	
2.30	ROOF PLAN - PLUMBING	10/7/2013	
P4.10	COLD WATER RISER DIAGRAM - PLUMBING	10/7/2013	
24.20	WASTE AND VENT AND STORM RISER DIAGRAMS	10/7/2013	
9.00	PLUMBING DETAILS - FOR REFERENCE ONLY	10/7/2013	
MECHANICAL			
M0.00	COVER SHEET WITH INDEX AND LEGEND	10/7/2013	
M0.01	SCHEDULES - MECHANICAL	10/7/2013	
V10.02	SCHEDULES - MECHANICAL	10/7/2013	
V10.03	SCHEDULES - MECHANICAL	10/7/2013	
vi0.20	MECHANICAL SCHEDULES	Bid Pack 1	Reference
v11.00	BASEMENT - HVAC PLAN - DEMO	Bid Pack 1	Reference
И1.10	1ST FLOOR - HVAC PLAN - DEMO	Bid Pack 1	Reference
M1.20	2ND FLOOR - HVAC PLAN - DEMO	Bid Pack 1	Reference
M2.00	BASEMENT - HVAC ZONING PLAN	10/7/2013	
M2.10	1ST FLOOR - HVAC ZONING PLAN	10/7/2013	
M2.20	2ND FLOOR - HVAC ZONING PLAN	10/7/2013	
v13.00	BASEMENT - HVAC PLAN	10/7/2013	
M3.10	1ST FLOOR HVAC PLAN	10/7/2013	
VI3.20	2ND FLOOR HVAC PLAN	10/7/2013	
		10/7/2013	

M4.00	BASEMENT - HYDRONIC PIPING PLAN	10/7/2013	
M4.10	1ST FLOOR - HYDRONIC PIPING PLAN	10/7/2013	
M4.20	2ND FLOOR - HYDRONIC PIPING PLAN	10/7/2013	
M4.30	ROOF- PIPING PLAN	10/7/2013	
M5.01	ENLARGED PLANS	10/7/2013	
M6.00	AIRFLOW RISER DIAGRAM	10/7/2013	
M6.01	STEAM & HEATING WATER SCHEMATIC	10/7/2013	
M6.02	CHILLED WATER SCHEMATIC	10/7/2013	
M7.00	MECHANICAL DETAILS	10/7/2013	
M7.01	MECHANICAL DETAILS	10/7/2013	
M7.02	MECHANICAL DETAILS	10/7/2013	
M7.03	MECHANICAL DETAILS	10/7/2013	
M8.00	MECHANICAL DETAILS - CONTROLS	10/7/2013	
M8.01	MECHANICAL DETAILS - CONTROLS	10/7/2013	
M8.02	MECHANICAL DETAILS - CONTROLS	10/7/2013	
M8.03	MECHANICAL DETAILS - CONTROLS	10/7/2013	
ELECTRICAL			
E0.00	COVER SHEET WITH INDEX AND LEGEND	10/7/2013	
E0.01	BASIS OF DESIGN	10/7/2013	
E0.20	LUMINAIRE SCHEDULE	10/7/2013	
E0.30	SCHEDULES	10/7/2013	
E0.40	SCHEDULES	10/7/2013	
E1.00	BASEMENT - FLOOR PLAN - POWER AND SIGNAL - DEMO	10/7/2013	
E1.10	1ST FLOOR PLAN - POWER AND SIGNAL - DEMO	Bid Pack 1	Reference
E2.00	BASEMENT - LIGHTING PLAN	10/7/2013	
E2.01	1ST FLOOR - LIGHTING PLAN	10/7/2013	
E2.02	2ND FLOOR - LIGHTING PLAN	10/7/2013	
E2.03	ROOF - LIGHTING PLAN	10/7/2013	
E3.00	BASEMENT - POWER AND SIGNAL PLAN	10/7/2013	
E3.01	1ST FLOOR POWER AND SIGNAL PLAN	10/7/2013	
E3.02	2ND FLOOR - POWER AND SIGNAL PLAN	10/7/2013	
E3.03	ROOF - POWER AND SIGNAL PLAN	10/7/2013	
E5.01	SINGLE LINE DIAGRAM - DEMO	10/7/2013	
E5.02	SINGLE LINE DIAGRAM	10/7/2013	
E5.03	GROUNDING RISER DIAGRAM	10/7/2013	
E5.04	LIGHTING CONTROL DIAGRAMS - BASEMENT 1	10/7/2013	
E5.05	LIGHTING CONTROL DIAGRAMS - BASEMENT 2	10/7/2013	
E5.06	LIGHTING CONTROL DIAGRAMS - 1ST FLOOR	10/7/2013	
E5.07	LIGHTING CONTROL DIAGRAMS - 2ND FLOOR	10/7/2013	
E5.08	LIGHTING CONTROL DIAGRAMS - AUDITORIUM	10/7/2013	
E7.10	ENLARGED PLANS	10/7/2013	
E9.01	ELECTRICAL DETAILS	10/7/2013	
E9.02	ELECTRICAL DETAILS	10/7/2013	
E9.03	ELECTRICAL DETAILS	10/7/2013	
E9.04	ELECTRICAL DETAILS	10/7/2013	
AV			
AV0.01	AV POWER, CONDUIT AND ALS INFORMATION	10/7/2013	
AV0.02	AV POWER, CONDON AND ALS INFORMATION	10/7/2013	
AV2.01	AV DEVICE PLAN AT FIRST FLOOR	10/7/2013	
AV2.01	AV DEVICE PLAN AT PINST PLOOK	10/7/2013	
AV3.01	AUDIO COVERAGE PLAN AT LARGE LECTURE	10/7/2013	
AV3.01 AV3.02	VIDEO PROJECTION PLAN AT LARGE LECTURE	10/7/2013	
AV3.02 AV4.01	AV WIRE AND CONDUIT RISER	10/7/2013	
AV4.01 AV4.02	AV WIRE AND CONDUIT RISER	10/7/2013	
AV4.02 AV4.03	AV WIRE AND CONDUIT RISER	Bid Pack 1	Reference
AV4.03 AV4.10	AV WIRE AND CONDULT RISER	10/7/2013	1.0.010100
AV4.10 AV4.11	VIDEO BLOCK DIAGRAM AT LARGE LECTURE	10/7/2013	
AV4.11 AV4.12		10/7/2013	
	CONTROL BLOCK DIAGRAM AT LARGE LECTURE	10/7/2013	
AV6.01	AV DEVICE RCP AT FIRST FLOOR	10/7/2013	
AV6.02	AV DEVICE RCP AT SECOND FLOOR		
AV7.01		10/7/2013	
AV7.02	AV PANEL ELEVATIONS	10/7/2013	
AV7.10	AV MOUNTING DETAILS	10/7/2013	
AV7.11	AV MOUNTING DETAILS	10/7/2013	

AV7.12	AV MOUNTING DETAILS	10/7/2013
TELECOMMUNICATIONS		
T0.00	COVER SHEET WITH INDEX AND LEGEND	10/7/2013
T3.00	BASEMENT - TELECOMMUNICATIONS PLAN	10/7/2013
T3.01	1ST FLOOR TELECOMMUNICATIONS PLAN	10/7/2013
T3.02	2ND FLOOR TELECOMMUNICATIONS PLAN	10/7/2013
T4.01	TELECOMMUNICATIONS ENLARGED PLANS	10/7/2013
T5.01	TELECOMMUNICATIONS SINGLE LINE DIAGRAM	10/7/2013
T9.01	TELECOMMUNICATIONS DETAILS	10/7/2013
T9.02	TELECOMMUNICATIONS DETAILS	10/7/2013

2. SPECIFICATIONS ISSUED (as prepared by RBA/ Opsis Architects)

SPECS	TITLE	DATE
1.01		
1.01	DIVISION 0 - PROCUREMENT AND CONTRACTING REQUIREMENTS	
	A. 00 0110 Table of Contents	10/7/2013
2.01	DIVISION 01 - GENERAL REQUIREMENTS	
		10/7/2013
	A. 01 1000 - Summary	10/7/2013
	B. 01 2000 - Price and Payment Procedures	10/7/2013
	C. 01 2300 - Alternates D. 01 3000 - Administrative Requirements	10/7/2013
	E. 01 3300 - Delegated Design Requirements	10/7/2013
	F. 01 3514 - LEED-NC 2009 Credit Summary	10/7/2013
	G. 01 3515 - LEED Certification Procedures	10/7/2013
	H. 01 3516 - LEED Submittal Forms	10/7/2013
	1. 01 3516.01 - LEED Material Cost Summary Form	10/7/2013
	2. 01 3516.02 - LEED Wood-Containing Product List	10/7/2013
	3. 01 3516.03 - LEED Metal-Containing Product List	10/7/2013
	4. 01 3516.04 - LEED New Product Content Form	10/7/2013
	5. 01 3516.05 - LEED New Product Source Form	10/7/2013
	6. 01 3516.06 - LEED Reused Product Form	10/7/2013
	7. 01 3516.07 - LEED Prohibited Content Installer Certification	10/7/2013
	I. 01 4000 - Quality Requirements	10/7/2013
	J. 01 5000 - Temporary Facilities and Controls	10/7/2013
	K. 01 5639 - Temporary Tree and Plant Protection	10/7/2013
	L. 01 5721 - Indoor Air Quality Controls	10/7/2013
	M. 01 6000 - Product Requirements	10/7/2013
	N. 01 6116 - Volatile Organic Compound (VOC) Content Restrictions	10/7/2013
	O. 01 7000 - Execution and Closeout Requirements	10/7/2013
	P. 01 7419 - Construction Waste Management and Disposal	10/7/2013
	Q. 01 7800 - Closeout Submittals	10/7/2013
	R. 01 9113 - General Commissioning Requirements	10/7/2013
	S. 01 9114 - Commissioning Authority Responsibilities	10/7/2013
2.02	DIVISION 2 – EXISTING CONDITIONS	
	A. 02 4100 - Demolition	10/7/2013
2.03	DIVISION 3 – CONCRETE	
	A. 03 1000 - Concrete Forming and Accessories	10/7/2013
	B. 03 2000 - Concrete Reinforcing	10/7/2013
	C. 03 3000 - Cast-in-Place Concrete	10/7/2013
	D. 03 3511 - Concrete Floor Finishes	10/7/2013
	E. 03 4500 - Precast Architectural Concrete	10/7/2013
2.04	DIVISION 4 – MASONRY	
	A. 04 0100 - Maintenance of Masonry	10/7/2013
	B. 04 0511 - Masonry Mortaring and Grouting	10/7/2013
	C. 04 2000 - Unit Masonry	10/7/2013
	D. 04 2001 - Masonry Veneer	10/7/2013
2.05	DIVISION 5 – METALS	
	A. 05 1200 - Structural Steel Framing	10/7/2013
	B. 05 3100 - Steel Decking	10/7/2013
	C. 05 4000 - Cold-Formed Metal Framing	10/7/2013
	D. 05 5000 - Metal Fabrications	10/7/2013

	E. 05 5100 - Metal Stairs	10/7/2013	
2.06	DIVISION 6 – WOOD, PLASTICS, AND COMPOSITES		
	A. 06 1000 - Rough Carpentry	10/7/2013	
	C. 06 2000 - Finish Carpentry	10/7/2013	
	C. 06 4100 - Architectural Wood Casework	10/7/2013	
2.07	DIVISION 7 – THERMAL AND MOISTURE PROTECTION		
	A. 07 1113 - Bituminous Damproofing	10/7/2013	
	A. 07 1713 - Bentonite Panel Waterproofing	Bid Pack 1	Reference
	B 07 1900 - Water Repellents	10/7/2013	
	C. 07 2100 - Thermal Insulation	10/7/2013	
	D. 07 2119 - Foamed-in-place Insulation	10/7/2013	
	E. 07 2500 - Weather Resistive Barriers	10/7/2013	
	F. 07 4213 - Metal Wall Panels	10/7/2013	
	G. 07 5100 - Built-up Bituminous Roofing	10/7/2013	
	H. 07 5400 - Thermoplastic Membrane Roofing	10/7/2013	
	I. 07 6200 - Sheet Metal Flashing and Trim	10/7/2013	
	J. 07 8100 - Applied Fireproofing	10/7/2013	
	K. 07 8400 - Firestopping	10/7/2013	
	L. 07 9005 - Joint Sealers	10/7/2013	
	M. 07 9513 - Expansion Joint Cover Assemblies	10/7/2013	
2 በደ	DIVISION 8 – OPENINGS		
2.00	A. 08 1113 - Hollow Metal Doors and Frames	10/7/2013	
	B. 08 1416 - Flush Wood Doors	10/7/2013	
	C. 08 3100 - Access Doors and Panels	10/7/2013	
	D. 08 3323 - Overhead Coiling Doors	10/7/2013	
	E. 08 4313 - Aluminum-Framed Storefronts	10/7/2013	
	F. 08 4413 - Glazed Aluminum Curtain Walls	10/7/2013	
	G. 08 6300 - Metal-Framed Skylights	10/7/2013	
	H. 08 7100 - Door Hardware	10/7/2013	
	I. 08 8000 - Glazing	10/7/2013	
	J. 08 9100 - Louvers	10/7/2013	
2.09	DIVISION 9 – FINISHES	10,7,2010	
2.03	A. 09 0561 - Common Work Results for Flooring Preparation	10/7/2013	
	B. 09 2116 - Gypsum Board Assemblies	10/7/2013	
	C. 09 2300 - Gypsum Board Assemblies	10/7/2013	
	D. 09 2400 - Portland Cement Plastering	10/7/2013	
	E. 09 3000 - Tiling	10/7/2013	
	F. 09 5100 - Acoustical Ceilings	10/7/2013	
	G. 09 6500 - Resilient Flooring	10/7/2013	
	H. 09 6800 - Carpeting	10/7/2013	
	I. 09 6813 - Tile Carpeting	10/7/2013	
	J. 09 7200 - Wall Coverings	10/7/2013	
	K. 09 8311 - Acoustical Wall Systems	10/7/2013	
	L. 09 9000 - Painting and Coating	10/7/2013	
2.1	DIVISION 10 – SPECIALTIES	10/7/2013	
2.1	A. 10 1101 - Visual Display Boards	10/7/2013	
	A. 10 1101 - Visual Display Boards B. 10 1400 - Signage	10/7/2013	
	C. 10 2113.19 - Plastic Toilet Compartments	10/7/2013	
	C. 10 2113.19 - Plastic Tollet Compartments D. 10 2601 - Wall and Corner Guards	10/7/2013	
	D. 10 2601 - Wall and Corner Guards E. 10 2800 - Toilet Room and Utility Room Accessories	10/7/2013	
	F. 10 4400 - Fire Protection Specialties	10/7/2013	
- 44		10/7/2013	
2.12	DIVISION 12 – FURNISHINGS	10/7/2012	
	A. 12 2400 - Window Shades	10/7/2013	
	B. 12 4813 - Entrance Floor Mats and Frames	10/7/2013	
	C. 12 6100 - Fixed Audience Seating	10/7/2013	
	D. 12 6110 - Fixed Audience Seating (Alternate 4A)	10/7/2013	
	E. 12 6120 - Fixed Audience Seating (Alternate 4B)	10/7/2013	
	F. 12 9300 - Site Furnishings	10/7/2013	
2.13	DIVISION 14 - CONVEYING SYSTEMS	10/7/2012	
	A. 14 2100 - Elevator	10/7/2013	
2.14	DIVISION 21 – FIRE SUPPRESSION	40/= /=	
	A. 21 0500 - Common Work Results for Fire Suppression	10/7/2013	
	B. 21 0553 - Identification for Fire Suppression Piping and	A = 1 = 1 =	
	Equipment	10/7/2013	
	C. 21 0800 - Commissioning of Fire Suppression	10/7/2013	

	D. 21 1300 - Fire-Suppression Sprinkler Systems	10/7/2013
2 15	DIVISION 22 – PLUMBING	10/7/2013
2.1.	A. 22 0500 - Basic Materials and Methods - Plumbing (Without	
	Seismic)	10/7/2013
	B. 22 0501 - Plumbing	10/7/2013
	C. 22 0533 - Heat Tracing	10/7/2013
	D. 22 0700 - Plumbing Insulation	10/7/2013
	E. 22 0800 - Commissioning of Plumbing	10/7/2013
	F. 22 1123 - Plumbing Equipment	10/7/2013
	G. 22 2113 - Plumbing Piping, Valves and Specialties	10/7/2013
	H. 22 2123 - Pumps and Specialties	10/7/2013
	I. 22 4000 - Plumbing Fixtures	10/7/2013
	DIVISION 23 – HEATING, VENTILATING, AND AIR CONDITIONING	10/7/2013
2.16	(HVAC)	
2.10	A. 23 0500 - Basis HVAC Materials and Methods	10/7/2013
	B. 23 0500 - Basis HVAC Materials and Methods B. 23 0548 - Vibration Isolation and Seismic Restraint for Piping,	10/7/2013
	Ductwork and Equipment	10/7/2013
	C. 23 0593 - Testing, Adjusting, and Balancing	10/7/2013
	D. 23 0700 - HVAC Insulation	10/7/2013
		10/7/2013
	E. 23 0800 - Commissioning of HVAC	10/7/2013
	F. 23 0900 - Instrumentation and Control	
	G. 23 0993 - Sequence of Operations for HVAC Controls	10/7/2013 10/7/2013
	H. 23 2113 - HVAC Piping	
	I. 23 2123 - Pumps and Hydronic Specialties	10/7/2013
	J. 23 2500 - HVAC Water Treatment	10/7/2013
	K. 23 3113 - Air Distribution	10/7/2013
	L. 23 3413 - Fans and Vents	10/7/2013
	M. 23 4100 - Air Filtration	10/7/2013
	N. 23 7315 - Air Handling Unit	10/7/2013
	O. 23 8239 - Heat Transfer	10/7/2013
2.17	DIVISION 26 – ELECTRICAL	
	A. 26 0001 - Electrical Design Requirements for LEED Version 2.1	
	Projects	10/7/2013
	B. 26 0513 - Medium-Voltage Cables	10/7/2013
	C. 26 0519 - Low-Voltage Electrical Power Conductors and Cables	10/7/2013
	D. 26 0526 - Grounding and Bonding for Electrical Systems	10/7/2013
	E. 26 0529 - Hangers and Supports for Electrical Systems	10/7/2013
	F. 26 0533 - Raceways and Boxes for Electrical Systems	10/7/2013
	G. 26 0535 - Production Systems Electrical Installation	10/7/2013
	H. 26 0548 - Vibration and Seismic Controls for Electrical Systems	10/7/2013
	I. 26 0553 - Identification for Electrical Systems	10/7/2013
	J. 26 0573 - Overcurrent Protective Device Coordination Study	10/7/2013
	K. 26 0800 - Commissioning of Electrical Systems	10/7/2013
	L. 26 0921 - Electrochromic Glazing Controls (Alternate 8)	10/7/2013
	M. 26 0923 - Lighting Control Devices	10/7/2013
	N. 26 0943 - Network Lighting Control	10/7/2013
	O. 26 2200 - Low-Voltage Transformers	10/7/2013
	P. 26 2416 - Panelboards	10/7/2013
	Q. 26 2726 - Wiring Devices	10/7/2013
	R. 26 2816 - Enclosed Switches and Circuit Breakers	10/7/2013
	S. 26 2923 - Variable-Frequency Drives (VFD)	10/7/2013
	T. 26 5100 - Interior Lighting	10/7/2013
	U. 26 5600 - Exterior Lighting	10/7/2013
2 15	DIVISION 27 – COMMUNICATIONS	
2.10	A. 27 0528 - Communications Pathways	10/7/2013
	B. 27 1313 - Telephone Backbone Cabling	10/7/2013
	C. 27 1323 - Optical Fiber Backbone Cabling	10/7/2013
	D. 27 1333 - Category 6A Backbone Cabling	10/7/2013
		10/7/2013
	E. 27 1513 - Category 5E Horizontal Wiring Systems F. 27 4117 - AV Systems	10/7/2013
		10/ //2013
2.19	DIVISION 28 – ELECTRONIC SAFETY AND SECURITY	10/7/2012
	A. 28 0000 - Electronic Safety and Security	10/7/2013
	D. 20 1000 Electric Access Control and Interview Datasti	10/7/2012
	B. 28 1000 - Electric Access Control and Intrusion Detection C. 28 3111 - Digital, Addressable Fire-Alarm System	10/7/2013 10/7/2013

2.20	DIVISION 31 – EARTHWORK		
	A. 31 2000 - Earth Moving	Bid Pack 1	Reference
2.21	DIVISION 32 – EXTERIOR IMPROVEMENTS		
	A. 32 1313 - Concrete Paving	10/7/2013	
	B. 32 8400 - Irrigation	10/7/2013	
	C. 32 9000 - Planting	10/7/2013	
2.22	DIVISION 33 – UTILITIES		
	A. 33 3100 - Sanitary Utility Sewerage Piping	10/7/2013	
	B. 33 4100 - Storm Utility Drainage Piping	10/7/2013	



UO Classroom Expansion Straub and Earl Halls 100% CD Package Bid Package #2 October 10th, 2013

Attachment 3

Sample Subcontract with Attachments



UO Classroom Expansion Straub and Earl Halls 100% CD Package Bid Package #2 October 10th, 2013

Attachment 4

Project Schedule and Logistics



University of Oregon Classroom Expansion

3				F
	Preconstruction/Procurement	328 days	Fri 12/28/12	Tue 4/15/14
10 \checkmark 1 10 \checkmark 1 11 \checkmark 1 12 \checkmark 1 13 \checkmark 1 14 \checkmark 1 15 \checkmark 1 14 \checkmark 1 15 \checkmark 1 16 \checkmark 1 17 18 19 20 21 22 23 \checkmark 24 25 26 27 28 33 34 35 36	Design/Permiting	238 days	Fri 12/28/12	Wed 12/4/13
12 \checkmark 1 12 \checkmark 1 13 \checkmark 1 14 \checkmark 1 15 \checkmark 1 16 \checkmark 1 17 18 5 \checkmark 6 19 20 21 22 23 \checkmark 24 25 26 27 28 30 33 34 35	100% SD Drawings	0 days	Fri 12/28/12	Fri 12/28/12
11 \checkmark 11 12 \checkmark 1 13 \checkmark 1 14 \checkmark 1 15 \checkmark 1 15 \checkmark 1 15 \checkmark 1 15 \checkmark 1 16 \checkmark 1 17 3 4 \checkmark 5 \checkmark 6 7 18 19 20 21 22 24 25 26 27 28 29 33 34			F	Est o la = la s
12 ✓ 1 13 ✓ 1 14 ✓ 1 15 ✓ 1 16 ✓ 1 17 1 18 1 5 ✓ 1 6 1 7 1 18 1 19 1 20 1 21 1 22 1 23 ✓ 1 24 1 25 1 26 1 27 1 28 1 29 1 33 5 36 ✓ 1 37	60% DD Drawings	0 days		
13 \checkmark 1 14 \checkmark 1 15 \checkmark 1 15 \checkmark 1 16 \checkmark 1 17 2 \checkmark 3 4 \checkmark 5 \checkmark 6 18 19 20 21 22 23 \checkmark 24 25 26 27 28 33 33 33 36	100% DD Drawings/Demo Addendum for Straub	0 days	Tue 4/30/13	Tue 4/30/13
14 \checkmark 1 15 \checkmark 1 16 \checkmark 1 17 2 \checkmark 3 4 \checkmark 5 \checkmark 6 19 20 21 22 24 25 26 27 28 30 31 32 33 34 35	50% CD Drawings	0 days	Mon 7/1/13	Mon 7/1/13
15 \checkmark 1 15 \checkmark 1 16 \checkmark 1 16 \checkmark 1 17 2 \checkmark 3 4 \checkmark 5 \checkmark 6 18 19 20 21 22 24 25 26 27 28 30 31 32 33 34 35	Submit for Structural/Demo Permit (8wk)	0 days	Mon 7/15/13	Mon 7/15/13
16 \checkmark 17 17 3 3 3 3 3 3 3 3 4 5 6 18 19 20 21 22 24 25 26 27 28 30 31 33 34 3	Structural/Demo Permit Issued	0 days	Wed 8/14/13	Wed 8/14/13
17	95% CD Drawings	0 days	Wed 9/4/13	Wed 9/4/13
2 Image: Constraint of the sector of the s	100% CD Drawings - Issued for permit	0 days	Mon 10/7/13	Mon 10/7/13
3	Building Permit Issued (8wk)	0 days	Wed 12/4/13	Wed 12/4/13
4 ✓	Legislative Approval	2.25 mons	Tue 4/30/13	Wed 7/3/13
5 ✓ 6 7 18 19 20 23 ✓ 24 25 24 25 26 27 28 29 30 31 32 33 34 35 ✓ 37	Bid Packages		Mon 7/22/13	
6	Bidding - Structural/Demo (if necessary)	4 wks	Mon 7/22/13	Fri 8/16/13
7	Structural/Concrete/Masonry Interview/Award	1 wk	Mon 8/19/13	Fri 8/23/13
18	Bidding - Remaining Scopes	3 wks	Tue 10/8/13	Mon 10/28/13
19	Interview & Award Subcontracts	3 wks	Tue 10/29/13	Mon 11/18/13
20 23 24 21 22 24 22 24 25 24 25 24 25 24 25 26 27 24 27 28 29 30 24 33 31 23 33 33 34 Cool 36 ✓ 37	Procurement/Submittal Reviews			Tue 4/15/14
23 ✓ 1 21	Structural Steel			Mon 11/4/13
21	CMU Prisms/Shops Concrete Mix Design/Rebar			Mon 9/30/13 Thu 9/12/13
24	Mechanical Equipment		Tue 11/19/13	
25 26 27 28 30 31 32 33 34 Cc 35 36	Elevator			Tue 4/15/14
26 27 28 30 31 32 33 34 35 36	Light Fixtures	20 wks	Tue 11/19/13	Tue 4/15/14
27	Electrical Gear	12 wks	Tue 11/19/13	Tue 2/18/14
28 29 30 31 32 33 34 35 √ 36 √ 37 √	Porcelain Tile	8 wks	Tue 11/19/13	Tue 1/21/14
30	Carpet/Flooring Curtain Wall/Storefront		Tue 11/19/13 Tue 11/19/13	Tue 2/18/14 Tue 2/4/14
31 32 33 50 50 50 50 50 50 50 50 50 50 50 50 50	Casework/Millwork	10 wks	Tue 11/19/13	Tue 2/4/14
32 33 34 CCC 35 ✓ 2 36 ✓ 37	Skylights			Tue 2/18/14
33	Doors/Frames		Tue 11/19/13	
34 Cc 35 ✓ 36 ✓ 37 ✓	Precast Stairs	10 wks	Tue 11/19/13	Tue 2/4/14
35 ✓ 36 ✓ 37	Brick/Precast	10 wks	Tue 11/19/13	Tue 2/4/14
36 🗸 37	Construction			Wed 3/25/15
37	Abatement (owner activity)	days 2 wks		Thu 7/18/13
37	Mobilize	1 wk	Thu 7/18/13	Wed 7/24/13
39 🗸	Demo/Structure		Thu 7/25/13	
	Temporary Construction - Demo Prep			Mon 8/5/13
40 🗸	Safe-off and Selective Demo	2 wks		Mon 8/19/13
41	Shoring Gable Commons			Mon 8/26/13
38	Clear&Grub Courtyard - prep for demo	1 wk	Mon 8/26/13	Tue 9/3/13

April 10/21 12/23 2/24 4/28 6/30 9/3	May June 1 1/3 1/5 3/9 5/11 7/13 9/14 11/16 1/18 3/22 5/24 7/26
/14	
12 12/28/12 • 100% 5D Drawings	
13 3/15/13 ♦ 60% DD Drawings 13 4/30/13 ♦ 100% DD Drawings/Demo Addendum for Straub	
13 7/1/13 ♦ 50% CD Drawings 13 7/15/13 ♦ Submit for Structural/Demo Pe	rmit (8wk)
/13 8/14/13 � Structural/Demo P	
13 9/4/13 ♦ 95% CD Dr 13 10/7/13	100% CD Drawings - Issued for permit
/13	12/4/13 ♦ Building Permit Issued (8wk)
/13 4/30/13 Legislative Approval	
8 13 7/22/13 Bidding - Structura	//Demo (if necessary)
113 8/19/13 📾 Structural/Conc	rete/Masonry Interview/Award
on 10/8/13	222222 Bidding - Remaining Scopes
/13	10/29/13 access Interview & Award Subcontracts
/14	
/13 8/26/13 /13 8/26/13	CMU Prisms/Shops
113 8/26/13 - Concret	e Mix Design/Rebar
/14	11/19/13 contraction of the second
	11/19/13 - Elevator
/14 /14 /14	11/19/13 and Light Fixtures Light Fixtures Electrical Gear
	11/19/13 Contraction Contracti
/14 /14	11/19/13 Carpet/Flooring 11/19/13 Curtain Wall/Storefront
/14	11/19/13 Casework/Millwork
14 14 14 14	11/19/13 @####################################
14	11/19/13 Precast Stairs
/14 /15	11/19/13 Contraction Brick/Precast
13 7/3/13 Abatement (owner activity)	
7/18/13 📾 Mobilize	
14 13 7/25/13 🚥 Temporary Construction	n - Demo Prep
13 8/5/13 safe-off and Selec	tive Demo
13 8/19/13 📾 Shoring Gable (2 mmons
/13 8/26/13 🖙 Clear&Grub	Courtyard - prep for demo
♦ Summary ♥ Project Summary ♥ Deadline ♦ Critical	Critical Split Progress
	Page 1





	Task Name	Duration Start Finish		
	Task Name	Duration Start Finish	April May	June
0			10/21 12/23 2/24 4/28 6/30 9/1 11/3 1/5 3/9 5/11 7/13 9/14 11/16 1/18 3/22	5/24 7
~	Structure Demolition and Load Out	3.5 wks Mon 8/26/13 Thu 9/19/13	8/26/13 Structure Demolition and Load Out	
	Demolition Complete - Milestone	0 days Thu 9/19/13 Thu 9/19/13	9/19/13 ♦ Demolition Complete - Milestone	
	Mass Excavation	2 wks Fri 9/20/13 Thu 10/3/13	9/20/13 🚃 Mass Excavation	
	Structural Excavation/Shoring	2 wks Fri 10/4/13 Thu 10/17/13	10/4/13 Eccavation/Shoring	
	-			
	Tower Crane Foundation	1 wk Fri 10/18/13 Thu 10/24/13	10/18/13 🔛 Tower Crane Foundation	
	Foundation Concrete	2.5 wks Fri 10/18/13 Tue 11/5/13	10/18/13 — Foundation Concrete	
	roundation concrete	2.5 wk3 1110/10/15 100 11/5/15		
-	Underslab Plumbing/Electrical	2 wks Fri 10/25/13 Thu 11/7/13	10/25/13 erzzo Underslab Plumbing/Electrical	
	ondersido Humoling/Electrical	2 wk3 1110/25/15 11011///15		
_	Foundations/Infill Concrete Walls - Earl Complete	0 wks Tue 11/5/13 Tue 11/5/13	11/5/13 🐟 Foundations/Infill Concrete Walls - Earl Complete	
	Foundationsy mjni Concrete Wans - Lan Complete	0 wks 10e 11/3/13 10e 11/3/13		
			11/5/13 — CMU Walls - to 4'-0" above foundation grade	
	CMU Walls - to 4'-0" above foundation grade	2 wks Tue 11/5/13 Tue 11/19/13	11/3/13 — CHO Walls- to 4-0 above loundation grade	
			11/12/13 — Backfill Footings/Subslab Drainage/Foundation drains	
	Backfill Footings/Subslab Drainage/Foundation drains	2 wks Tue 11/12/13 Tue 11/26/13	11/12/13 Backrill Footings/subsido Drainage/Foundation grains	
	Prep Basement SOG	1 wk Tue 11/26/13 Thu 12/5/13	11/26/13 — Prep Basement SOG	
	SOG - basement	1 wk Thu 12/5/13 Thu 12/12/13	12/5/13 — SOG - basement	
	CMU to Grade	2.5 wks Thu 12/12/13 Thu 1/2/14	12/12/13 CMU to Grade	
	Tower Crane Erection	2 days Thu 12/26/13 Fri 12/27/13	12/26/13 © Tower Crane Erection	
	Waterproof below grade walls	1.4 wks Fri 1/3/14 Mon 1/13/14	1/3/14 🚥 Waterproof below grade walls	
	Backfill Walls	5 days Fri 1/3/14 Thu 1/9/14	1/3/14 🚥 Backfill Walls	
	Building to Grade - Milestone	0 days Thu 1/9/14 Thu 1/9/14	1/9/14 🐟 Building to Grade - Milestone	
_	CMU Walls - to Top out	3 wks Fri 1/10/14 Fri 1/31/14	1/10/14 CMU Walls - to Top out	
	Structural Steel Erection	4 wks Mon 2/3/14 Fri 2/28/14	2/3/14 Structural Steel Erection	
	Statutal Steel Election	4 WK3 WIOI 2/ 3/ 14 11 2/ 20/ 14		
_	Metal Deck Installation	1.5 wks Mon 3/3/14 Wed 3/12/14	3/3/14 📨 Metal Deck Installation	
	Metal Deck Installation	1.5 WKS MOH 3/3/14 Wed 3/12/14		
-	De of Taura la stallation de sture	1	3/3/14 💳 Roof Truss Installation - Lecture	
	Roof Truss Installation - Lecture	1 wk Mon 3/3/14 Fri 3/7/14	3/3/14 — ROULTEUSS INStatiation - Lecture	
_				
	Metal Deck - Roofing	1 wk Mon 3/10/14 Fri 3/14/14	3/10/14 💻 Metal Deck - Roofing	
	Concrete Fill on Metal Deck	2.5 wks Wed 3/12/14 Fri 3/28/14	3/12/14 🚥 Concrete Fill on Metal Deck	
	Concrete SOG - 1st Floor	1.5 wks Wed 3/12/14 Fri 3/21/14	3/12/14 🚥 Concrete SOG - 1st Floor	
	Structure Complete - Milestone	0 days Fri 3/28/14 Fri 3/28/14	3/28/14 🔶 Structure Complete - Milestone	
	Skin Construction	100 days Mon 3/17/14 Mon 8/4/14		
	Structural Metal Studs/Sheathing	4 wks Mon 3/17/14 Fri 4/11/14	3/17/14 Structural Metal Studs/Sheathing	
	Waterproofing	2 wks Mon 4/14/14 Fri 4/25/14	4/14/14 Waterproofing	
	Brick/Precast/Insulation	6 wks Mon 4/28/14 Fri 6/6/14	4/28/14 Brick/Precast/Insulation	
	Metal Wall Panel (penthouse/Earl roof classrooms)	3 wks Mon 4/28/14 Fri 5/16/14	4/28/14 ALL AND Metal Wall Panel (penthouse/Earl roof classrooms)	
-	Curtain Wall	3 wks Mon 6/9/14 Fri 6/27/14	6/9/14 😎 Curtain Wall	
_	Storefront/Punched Openings	3 wks Mon 6/9/14 Fri 6/27/14	6/9/14 Storefront/Punched Openings	
1	storenont/Puncheu Openings	5 WK5 WIUT 0/9/14 FTI 0/2//14	0/2/24 Scottering Function Openings	
			7/8/14 😇 Clean & Seal Brick	
	Clean & Seal Brick	3 days Tue 7/8/14 Thu 7/10/14		
	Install Glass - all openings	2 wks Tue 7/22/14 Mon 8/4/14	7/22/14 🚥 Install Glass - all openings	
100	traub Classroom Exp Task Split		Summary Project Summary Deadline 🔹 Critical Critical Solit	
	/8/13 Split	Milestone 🔶	Summary V Project Summary Deadline 🕴 Critical Critical Split	
			Data 1	
_	UO Straub Classroom Expansion 09 23 13 k		Page 2	,





ID Task Name 76 Skin Complete - Milestone 77 Roofing 78 Curbs/Framing 85 Set Mechanical Unit - DOAS 1 (Straub Project) 79 Protection Board/Insulation/Crickets 82 Roofing Patching - Earl 80 Roofing Membrane - Classroom/Penthouse 81 Temp Dry In 83 Sheetmetal Work -Trim 84 Seismic Isolation Joints 102 Interior Construction 103 Layout 141 Electrical Rough-in - main gear and distribution 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 145 Precast Stair Installation 140 Power On - Milestone 131 Lecture Celling Work (Scaffold) 133 Lecture Celling Work (Scaffold)	Duration Start Finish 0 days Mon 8/4/14 Mon 8/4/14 92.5 days Mon 3/17/14 Thu 7/24/14 1 wk Mon 3/17/14 Fri 3/21/14 2 days Mon 3/31/14 Tue 4/1/14 1 wk Mon 4/28/14 Fri 5/2/14 1 wk Mon 5/19/14 Fri 5/23/14 2 wks Mon 6/9/14 Fri 6/20/14	April May June 12/23 2/24 4/28 6/30 9/1 11/3 1/5 3/9 5/11 7/13 9/14 11/15 1/18 3/22 5/24 7/24 8/4/14 Skin Complete - Milestone 8/4/14 Skin Complete - Milestone 3/22 5/24 7/24 3/17/14 Curbs/Framing 3/31/14 Set Mechanical Unit - DOAS 1 (Straub Project) 3/31/14 5 Et Mechanical Unit - DOAS 1 (Straub Project) 4/28/14 Protection Board/Insulation/Crickets 5/19/14 6 Roofing Patching - Earl 5/19/14 6 Roofing Membrane - Classroom/Penthouse 6/9/14 6 Roofing Membrane - Classroom/Penthouse 6 6
171IoRoofing78Curbs/Framing85Curbs/Framing85Set Mechanical Unit - DOAS 1 (Straub Project)79IoProtection Board/Insulation/Crickets82Roofing Patching - Earl80Roofing Membrane - Classroom/Penthouse81Temp Dry In83Sheetmetal Work - Trim84Building Dry - Milestone85Building Dry - Milestone84Seismic Isolation Joints103Layout114Electrical Rough-in - main gear and distribution105Metal Framing106Polish and Protect Floors107MEP Rough-in140Sheetrock/Insulation141Sheetrock/Insulation142Metal Framing143Sheetrock/Insulation144Metan Colling Work (Scaffold)145Metal Framing146Metar Colling Work (Scaffold)147Metan Colling Work (Scaffold)148Sheetrock/Insulation149Sheetrock/Insulation140Metan Colling Work (Scaffold)141Sheetrock/Insulation142Sheetrock/Insulation143Sheetrock/Insulation144Sheetrock/Insulation145Sheetrock/Insulation146Sheetrock/Insulation147Sheetrock/Insulation148Sheetrock/Insulation149Sheetrock/Insulation140Sheetrock/Insulation141Sheetrock/Insulation142	O days Mon 8/4/14 Mon 8/4/14 92.5 days Mon 3/17/14 Thu 7/24/14 1 wk Mon 3/17/14 Fri 3/21/14 2 days Mon 3/31/14 Tue 4/1/14 1 wk Mon 4/28/14 Fri 5/2/14 1 wk Mon 5/19/14 Fri 5/2/14 2 wks Mon 6/9/14 Fri 6/20/14	8/4/14 <table-cell> Skin Complete - Milestone 3/17/14 🐨 Curbs/Framing 3/31/14 🐨 Set Mechanical Unit - DOAS 1 (Straub Project) 4/28/14 🐨 Protection Board/Insulation/Crickets 5/19/14 🐨 Roofing Patching - Earl</table-cell>
78 Curbs/Framing 85 Set Mechanical Unit - DOAS 1 (Straub Project) 79 Protection Board/Insulation/Crickets 82 Roofing Patching - Earl 80 Roofing Membrane - Classroom/Penthouse 81 Temp Dry In 83 Sheetmetal Work -Trim 84 Seismic Isolation Joints 82 Interior Construction 103 Layout 141 Electrical Rough-in - main gear and distribution 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 142 Precast Stair Installation 143 Sheetrock/Insulation 144 Power On - Milestone 145 Precast Stair Installation 146 Metal Framing 147 Mechanical Equipment Start-up 148 Sheetrock/Insulation 149 Sheetrock/Insulation 140 Sheetrock/Insulation 143 Lecture Ceiling Work (Scaffold) 144 Pae and Finish Sheetrock	1 wk Mon 3/17/14 Fri 3/21/14 2 days Mon 3/31/14 Tue 4/1/14 1 wk Mon 4/28/14 Fri 5/2/14 1 wk Mon 5/19/14 Fri 5/23/14 2 wks Mon 6/9/14 Fri 6/20/14	3/31/14 ☉ Set Mechanical Unit - DOAS 1 (Straub Project) 4/28/14 🖙 Protection Board/Insulation/Crickets 5/19/14 🖙 Roofing Patching - Earl
8 Curbs/Framing 95 Set Mechanical Unit - DOAS 1 (Straub Project) 97 Protection Board/Insulation/Crickets 98 Roofing Patching - Earl 90 Roofing Membrane - Classroom/Penthouse 91 Temp Dry In 93 Sheetmetal Work -Trim 94 Seismic Isolation Joints 95 Protectial Rough-in - main gear and distribution 96 HM Door Frames 97 Metal Framing 98 Sheetrock/Insulation 99 Tere Rough-in 90 Tape and Finish Sheetrock	1 wk Mon 3/17/14 Fri 3/21/14 2 days Mon 3/31/14 Tue 4/1/14 1 wk Mon 4/28/14 Fri 5/2/14 1 wk Mon 5/19/14 Fri 5/23/14 2 wks Mon 6/9/14 Fri 6/20/14	3/31/14 ☉ Set Mechanical Unit - DOAS 1 (Straub Project) 4/28/14 🖙 Protection Board/Insulation/Crickets 5/19/14 🖙 Roofing Patching - Earl
BS Set Mechanical Unit - DOAS 1 (Straub Project) 79 Protection Board/Insulation/Crickets 82 Roofing Patching - Earl 80 Roofing Membrane - Classroom/Penthouse 81 Temp Dry In 83 Sheetmetal Work -Trim 87 Framed Skylights 86 Building Dry - Milestone 81 Seismic Isolation Joints 82 Interior Construction 83 Layout 84 Seismic Isolation Joints 800 HM Door Frames 800 Metal Framing 801 Precast Stair Installation 802 Sheetrock/Insulation 803 Sheetrock/Insulation 804 Sheetrock/Insulation 805 Mechanical Equipment Start-up 806 Sheetrock/Insulation	2 days Mon 3/31/14 Tue 4/1/14 1 wk Mon 4/28/14 Fri 5/2/14 1 wk Mon 5/19/14 Fri 5/23/14 2 wks Mon 6/9/14 Fri 6/20/14	3/31/14 ☉ Set Mechanical Unit - DOAS 1 (Straub Project) 4/28/14 🖙 Protection Board/Insulation/Crickets 5/19/14 🖙 Roofing Patching - Earl
79 Protection Board/Insulation/Crickets 82 Roofing Patching - Earl 80 Roofing Membrane - Classroom/Penthouse 81 Temp Dry In 83 Sheetmetal Work -Trim 84 Seismic Isolation Joints 85 Building Dry - Milestone 84 Seismic Isolation Joints 83 Layout 41 Electrical Rough-in - main gear and distribution 85 Metal Framing 96 Polish and Protect Floors 97 MEP Rough-in 45 Precast Stair Installation 40 Power On - Milestone 98 Sheetrock/Insulation 13 Lecture Ceiling Work (Scaffold) 35 Mechanical Equipment Start-up 99 Tape and Finish Sheetrock	1 wk Mon 4/28/14 Fri 5/2/14 1 wk Mon 5/19/14 Fri 5/23/14 2 wks Mon 6/9/14 Fri 6/20/14	5/19/14 📨 Roofing Patching - Earl
82 Roofing Patching - Earl 80 Roofing Membrane - Classroom/Penthouse 81 Temp Dry In 83 Sheetmetal Work -Trim 84 Framed Skylights 85 Building Dry - Milestone 84 Seismic Isolation Joints 02 Interior Construction 03 Layout 41 Electrical Rough-in - main gear and distribution 05 Metal Framing 06 Polish and Protect Floors 07 MEP Rough-in 45 Precast Stair Installation 40 Power On - Milestone 08 Sheetrock/Insulation 13 Lecture Ceiling Work (Scaffold) 35 Mechanical Equipment Start-up 09 Tape and Finish Sheetrock	1 wk Mon 5/19/14 Fri 5/23/14 2 wks Mon 6/9/14 Fri 6/20/14	5/19/14 📨 Roofing Patching - Earl
82 Roofing Patching - Earl 80 Roofing Membrane - Classroom/Penthouse 81 Temp Dry In 83 Sheetmetal Work -Trim 84 Sheetmetal Work -Trim 87 Framed Skylights 86 Building Dry - Milestone 84 Seismic Isolation Joints 102 Interior Construction 103 Layout 141 Electrical Rough-in - main gear and distribution 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 140 Power On - Milestone 141 Sheetrock/Insulation 142 Sheetrock/Insulation 143 Lecture Ceiling Work (Scaffold) 144 Sheetrock/Insulation 145 Precast Start-up 146 Sheetrock/Insulation 147 Mechanical Equipment Start-up 148 Sheetrock/Insulation 149 Sheetrock/Insulation 140 Sheetrock/Insulation 141 Lecture Ceiling Work (Scaffold) 142 Sheetrock/Insulation	1 wk Mon 5/19/14 Fri 5/23/14 2 wks Mon 6/9/14 Fri 6/20/14	5/19/14 📨 Roofing Patching - Earl
80 Roofing Membrane - Classroom/Penthouse 81 Temp Dry In 83 Sheetmetal Work -Trim 84 Framed Skylights 86 Building Dry - Milestone 84 Seismic Isolation Joints 102 Interior Construction 103 Layout 141 Electrical Rough-in - main gear and distribution 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 143 Sheetrock/Insulation 144 Precast Stair Installation 145 Precast Stair Installation 146 Sheetrock/Insulation 113 Lecture Ceiling Work (Scaffold) 113 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	2 wks Mon 6/9/14 Fri 6/20/14	
80 Roofing Membrane - Classroom/Penthouse 81 Temp Dry In 83 Sheetmetal Work -Trim 87 Framed Skylights 86 Building Dry - Milestone 84 Seismic Isolation Joints 102 Interior Construction 103 Layout 141 Electrical Rough-in - main gear and distribution 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 143 Precast Stair Installation 144 Power On - Milestone 145 Sheetrock/Insulation 146 Mechanical Equipment Start-up 147 Tape and Finish Sheetrock	2 wks Mon 6/9/14 Fri 6/20/14	
81 Temp Dry In 83 Sheetmetal Work - Trim 86 Building Dry - Milestone 84 Seismic Isolation Joints 102 Interior Construction 103 Layout 1141 Electrical Rough-in - main gear and distribution 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 140 Precast Stair Installation 141 Lecture Ceiling Work (Scaffold) 133 Lecture Ceiling Work (Scaffold) 134 Mechanical Equipment Start-up 135 Mechanical Equipment Start-up		6/9/14 📟 Ronfing Membrane - Classroom/Denthouse
83 Sheetmetal Work - Trim 87 Framed Skylights 86 Building Dry - Milestone 84 Seismic Isolation Joints 102 Interior Construction 103 Layout 141 Electrical Rough-in - main gear and distribution 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 143 Precast Stair Installation 144 Sheetrock/Insulation 145 Sheetrock/Insulation 146 Mechanical Equipment Start-up 147 Tape and Finish Sheetrock		
83 Sheetmetal Work - Trim 87 Framed Skylights 86 Building Dry - Milestone 84 Selsmic Isolation Joints 102 Interior Construction 103 Layout 141 Electrical Rough-in - main gear and distribution 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 143 Precast Stair Installation 144 Sheetrock/Insulation 145 Sheetrock/Insulation 146 Mechanical Equipment Start-up 147 Tape and Finish Sheetrock	1 wike Mon 6 (0/14) Fri 6 (20/14)	6/9/14 🚥 Temp Dry In
87 Framed Skylights 86 Building Dry - Milestone 84 Seismic Isolation Joints 102 Interior Construction 103 Layout 141 Electrical Rough-in - main gear and distribution 104 HM Door Frames 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 140 Precast Stair Installation 140 Sheetrock/Insulation 143 Lecture Ceiling Work (Scaffold) 144 Mechanical Equipment Start-up 145 Mechanical Equipment Start-up	2 wks Mon 6/9/14 Fri 6/20/14 3 wks Mon 6/23/14 Mon 7/14/14	6/23/14 - Sheetmetal Work -Trim
86 Building Dry - Milestone 84 Seismic Isolation Joints 102 Interior Construction 103 Layout 104 HM Door Frames 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 140 Power On - Milestone 108 Sheetrock/Insulation 113 Lecture Celling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock		
84 Seismic Isolation Joints 102 Interior Construction 103 Layout 104 Electrical Rough-in - main gear and distribution 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 140 Power On - Milestone 108 Sheetrock/Insulation 113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	1.5 wks Mon 6/23/14 Wed 7/2/14	6/23/14 🖘 Framed Skylights
102 Interior Construction 103 Layout 141 Electrical Rough-in - main gear and distribution 104 HM Door Frames 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 143 Precast Stair Installation 140 Power On - Milestone 108 Sheetrock/Insulation 113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	0 days Fri 6/27/14 Fri 6/27/14	6/27/14 � Building Dry - Milestone
103 Layout 104 Electrical Rough-in - main gear and distribution 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 145 Precast Stair Installation 108 Sheetrock/Insulation 113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	1.5 wks Tue 7/15/14 Thu 7/24/14	7/15/14 🚥 Seismic Isolation Joints
103 Layout 104 Electrical Rough-in - main gear and distribution 105 MM Door Frames 106 Metal Framing 107 Metal Framing 108 Polish and Protect Floors 109 Precast Stair Installation 108 Sheetrock/Insulation 113 Lecture Ceiling Work (Scaffold) 125 Mechanical Equipment Start-up 126 Tape and Finish Sheetrock		
141 Image: Ima	250 days Mon 3/31/14 Wed 3/25/15	
141 Image: Ima	5 days Mon 3/31/14 Fri 4/4/14	3/31/14 📨 Layout
104 HM Door Frames 105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 145 Precast Stair Installation 140 Power On - Milestone 108 Sheetrock/Insulation 113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	6 wks Mon 3/31/14 Fri 5/9/14	3/31/14 version and distribution
105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 145 Precast Stair Installation 140 Power On - Milestone 113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock		
105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 148 Precast Stair Installation 140 Power On - Milestone 108 Sheetrock/Insulation 113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock		
105 Metal Framing 106 Polish and Protect Floors 107 MEP Rough-in 148 Precast Stair Installation 140 Power On - Milestone 108 Sheetrock/Insulation 113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	3 days Mon 4/7/14 Wed 4/9/14	4/7/14 🚥 HM Door Frames
106 Polish and Protect Floors 107 MEP Rough-in 145 Precast Stair Installation 140 Power On - Milestone 108 Sheetrock/Insulation 113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	3 wks Thu 4/10/14 Wed 4/30/14	4/10/14 array Metal Framing
145 Precast Stair Installation 140 Power On - Milestone 108 Sheetrock/Insulation 113 Lecture Celling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	2 wks Thu 5/1/14 Wed 5/14/14	5/1/14 CZZZP Polish and Protect Floors
145 Precast Stair Installation 140 Power On - Milestone 108 Sheetrock/Insulation 113 Lecture Celling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock		
140 Power On - Milestone 108 Sheetrock/Insulation 113 Lecture Celling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	6 wks Thu 5/15/14 Wed 6/25/14	S/15/14 Construction MEP Rough-in 5/15/14 Construction Precast Stair Installation
108 Sheetrock/Insulation 113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	2 wks Thu 5/15/14 Wed 5/28/14	
113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	0 days Fri 6/27/14 Fri 6/27/14	6/27/14 🚸 Power On - Milestone
113 Lecture Ceiling Work (Scaffold) 135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock		
135 Mechanical Equipment Start-up 109 Tape and Finish Sheetrock	4 wks Mon 6/30/14 Mon 7/28/14	6/30/14 Sheetrock/Insulation 6/30/14 certure Ceiling Work (Scaffold)
109 Tape and Finish Sheetrock	8 wks Mon 6/30/14 Mon 8/25/14	0/30/14 Cecture Centing Work (Scation)
	7 days Mon 6/30/14 Wed 7/9/14	6/30/14 🚥 Mechanical Equipment Start-up
	4 wks Tue 7/29/14 Mon 8/25/14	7/29/14 Tape and Finish Sheetrock
131 Rehab Work - Gabled Commons		
	4 wks Tue 7/29/14 Mon 8/25/14	7/29/14 COMMONS
110 Painting	4 wks Tue 8/26/14 Tue 9/23/14	8/26/14 Painting
114 Frame Elevated Seating Areas - Lecture	3 wks Tue 8/26/14 Tue 9/16/14	8/26/14 Generational Seating Areas - Lecture
146 Guardrails Installation	2 wks Tue 8/26/14 Tue 9/9/14	8/26/14 😎 Guardrails Installation
146 Guardrails Installation	2 WKS TUE 0/20/14 TUE 9/9/14	
115 Geo Foam Installation	2 wks Wed 9/17/14 Tue 9/30/14	9/17/14 ZZZZ Geo Foam Installation
111 Interior Storefront - Framing	3 wks Wed 9/24/14 Tue 10/14/14	9/24/14 22222 Interior Storefront - Framing
119 Casework/Millwork	3 wks Wed 9/24/14 Tue 10/14/14	9/24/14 czzzzz Casework/Millwork
121 Ceiling Grid	1 wk Wed 9/24/14 Tue 9/30/14	9/24/14 — Ceiling Grid
124 Ceramic Tile Restrooms	2 wks Wed 9/24/14 Tue 10/7/14	9/24/14 \sim Ceramic Tile Restrooms
139 Elevator Installation	6 wks Wed 9/24/14 Tue 11/4/14	9/24/14 Generation Elevator Installation
116 Concrete - elevated Seating Areas - Lecture	2 wks Wed 10/1/14 Tue 10/14/14	10/1/14 Concrete - elevated Seating Areas - Lecture
122 Acoustic Ceilings	2 wks Wed 10/1/14 Tue 10/14/14	10/1/14 Acoustic Ceilings
1		
Project: UO Straub Classroom Exp Task Split	Milestone 🔶 Sun	immary Project Summary Deadline 🕴 Critical Critical Split
ue 10/8/13 UO Straub Classroom Expansion 09 23 13 k		Page 3
·		

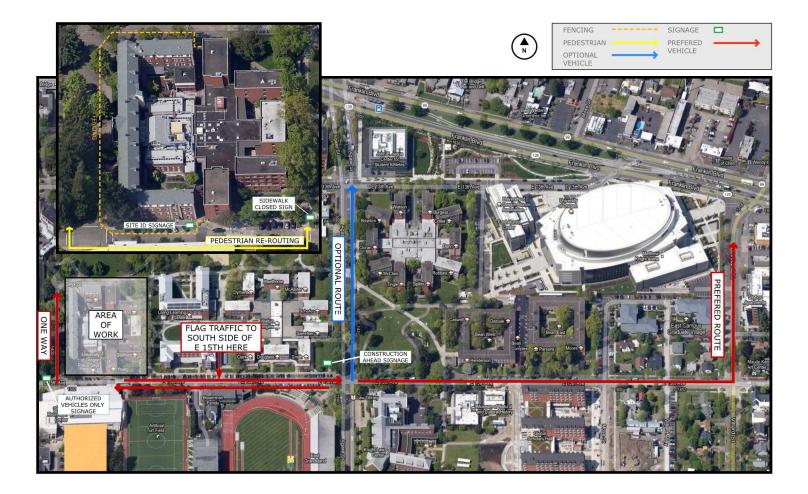


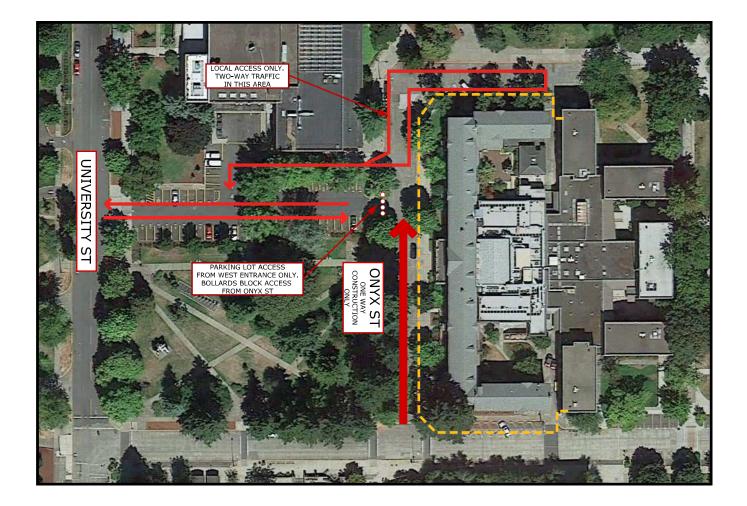


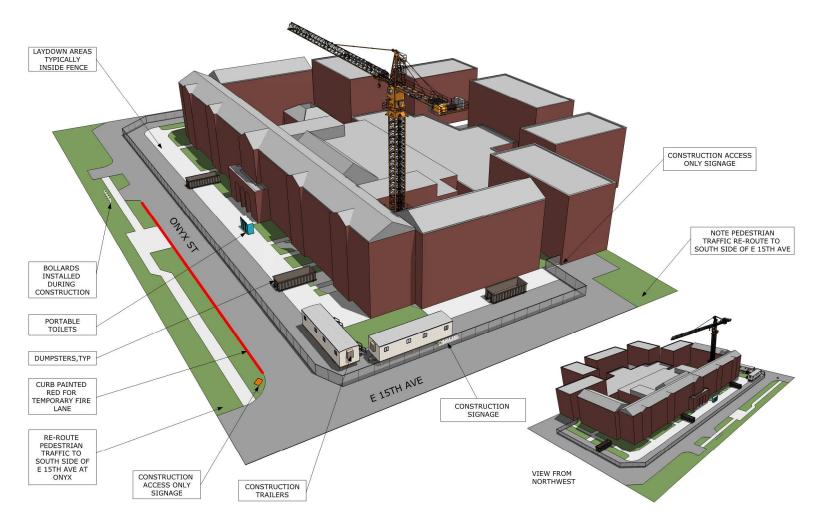
7				May 1/5 3/9 5/11 7/13
	"Noisy" Work Complete Interior - Milestone	0 days Tue 10/14/14	1 Tue 10/14/14	
	Below Balcony Ceiling	3 wks Wed	1 Tue 11/4/14	
	Flooring	10/15/14 3 wks Wed 10/15/	l .	
	Light Fixtures Install		Fri 10/31/14	
	MEP Finish	3 wks Wed 10/15/		
	Interior Storefront - Glazing	1 wk Wed 10/29/14	1 Tue 11/4/14	
	Security Installation	10 days Fri 10/31/14	Fri 11/14/14	
	Doors/Hardware	1 wk Wed 11/5/14		
	Wood Panelling - Lecture Hall	2 wks Wed 11/5/14	1 Tue 11/18/14	
	Contols	5 wks Wed 11/5/14		
	AV Install Telecom Install/Testing	2 wks Wed 11/19/ 2 wks Wed 11/19/14	d Thu 12/4/14	
	Fixed Seating Installation	3 wks Wed	d Thu 12/11/14	
	Final Clean	11/19/14 2 wks Fri 12/5/14		
	Air and Water Balance	5 wks Fri 12/12/14		
	Commissioning	5 wks Fri 12/12/14		
	Final Inspections	1 wk Fri 12/12/14		
	Building Flush Punchlist	2 wks Wed 1/21/15 1 wk Wed 2/4/15		
	Remove Temporary Construction	1 wk Wed 2/11/15		
	Clean & Patch at Temp Construction	1 wk Thu 2/19/15	Wed 2/25/15	
	Substantial Completion - Milestone	0 days Wed 2/25/15	5 Wed 2/25/15	
	Demobilize Site	1 wk Thu 2/26/15	6 Wed 3/4/15	
	Final Completion	0 days Wed 3/25/15		
	Site Construction	75 days Mon 6/9/14		6/9/14 correction Site Utilities - Surface
	Site Utilities - Surface Drainage/Electrical	4 wks Mon 6/9/14	Wion ////14	0/5/14 error of the standard of the standard
	Prep for Concrete	1 wk Tue 7/8/14	1 Mon 7/14/14	7/8/14 🖘 Prep for Concrete
	Landscaping - Sleeves and Prep	3 days Tue 7/8/14	1 Thu 7/10/14	7/8/14 @ Landscaping - Sleeve:
	Concrete Curbs/Walls	1.5 wks Tue 7/15/14	1 Thu 7/24/14	7/15/14 🚥 Concrete Curbs
	Concrete Ramps	1 wk Thu 7/24/14		7/24/14 🖙 Concrete Rai
	Landcaping - Irrigation	5 days Thu 7/24/14	Thu 7/31/14	7/24/14 🖙 Landcaping -
	Prep for Pavers Paver Installation	1.5 wks Thu 7/31/14 3 wks Tue 8/12/14		7/31/14 @229 Prep for 8/12/14 @229200
	Paver Protection	1 day Wed 9/3/14	4 Wed 9/3/14	9/3/14
	Site Signage and Lighting	4 days Thu 9/4/14		9/4/14
	Landscaping - Plantings and Mulch	5 days Wed 9/10/14	1 Tue 9/16/14	9/10/1
	Site Furnishings/Remove Protection	5 days Wed 9/17/14	1 Tue 9/23/14	9/1:
				9/



		1	
/14 11/16 1/18	3/22	June 5/24	7/26
"Noisy" Work Complete Interior - Milestone	5/22	3/24	1/20
Below Balcony Ceiling			
Below Balcony Celling			
Flooring			
Light Fixtures Install			
MEP Finish			
29/14 🖙 Interior Storefront - Glazing			
/31/14 - Security Installation			
11/5/14 🚥 Doors/Hardware			
11/5/14 Wood Panelling - Lecture Hall			
11/5/14 Contols			
11/19/14 - AV Install			
11/19/14 Telecom Install/Testing			
11/19/14 Fixed Seating Installation			
12/5/14 Final Clean			
12/12/14 Air and Water Balance			
12/12/14 Commissioning			
12/12/14 📨 Final Inspections			
1/21/15 Building Flush			
2/4/15 📟 Punchlist			
2/11/15 — Remove Tem	norary Construction		
	sonary construction		
2/19/15 🛑 Clean & Pa	tch at Temp Construction		
2/25/15 ♠ Substanti	al Completion - Milestone		
-,, •			
2/26/15 📨 Demobi			
3/25/15	Final Completion		
cal			
on			
on			
and Lighting			
ing - Plantings and Mulch			
rnishings/Remove Protection			
Street of the second seco			
aping/Sitework/Exterior Work Complete - Milestone			
			-







UO Straub Site Logistics Plan – Attachment 4 to Bid Documents

Specifics:

Site Logistics-

All deliveries must be coordinated with on-site flagging.

Pedestrian traffic is being routed to the south side of 15th Ave, however you and your drivers will need to be aware of students at all time as they typically have audio devices and actively texting.

There will be a tent placed on the northwest corner of the project for all crafts to use for breaks and lunch meeting places.

The existing floors cannot be heavily loaded - all materials will need to be staged such that the loads do not exceed the ability of the floor to carry. Equipment types and usage will also need to be planned to not exceed the allowable loads for the structure.

During employee orientation each employee will be told where the general meeting area will be in case of emergency.

The project area is tight. You will not be allowed to stage materials that will not be put in place within one week from delivery date. All staging of material needs to be presented to Fortis prior to placement and need to be left inside the fence line unless other arrangements are made.

Restrooms and dumpsters will be located on the west side of the project per the attached drawing.

There will not be any on-site employee parking, all trades are responsible for finding and paying for their own parking.

Traffic Control-

When accessing the site for deliveries and other traffic all personel will proceed south on Agate from Franklin Blvd (this is for traffic coming from both the east and west off Franklin). There are two 4-way stops and one main pedestrian crossing that drivers will need to be aware of due to student congestion. Traffic will then turn right/west on 15th Ave and continue approximately .15 miles to the project location on your right. You will see the construction fencing and Fortis trailer set up. Vehicles will turn right/north on Onyx to unload or load materials, once completed you will be backed up into 15th Ave and leave heading east on 15th Ave following the path of entrance.



UO Classroom Expansion Straub and Earl Halls 100% CD Package Bid Package #2 October 10th, 2013

Attachment 5

Project Insurance Requirements



1705 SW TAYLOR STREET SUITE 200 PORTLAND OR 97205 $\begin{array}{l} P > & 5 \ 0 \ 3 + 4 \ 5 \ 9 + 4 \ 4 \ 7 \ 7 \\ F > & 5 \ 0 \ 3 + 4 \ 5 \ 9 + 4 \ 4 \ 7 \ 8 \\ C \ C \ B \ \# & 1 \ 5 \ 5 \ 7 \ 6 \ 6 \end{array}$

ATTACHMENT A

Project Insurance Requirements Subcontractor / project number

This Attachment is attached and incorporated into the above referenced Subcontract between the parties. In the event of any conflict, inconsistency or ambiguity between the terms and provisions of this Attachment and those of the above referenced Subcontract between the parties, this Attachment shall govern.

Immediately send a copy of this information to your insurance broker for compliance.

- 1.0 Subcontractor shall, at its own expense, maintain in effect at all times during the performance of the work under the contract not less than the following coverage and limits of insurance which shall be maintained under forms of policies and from companies satisfactory to the Contractor and Owner. The insurance company must have a financial rating of at **least A-VII** as defined by A.M. Best Company. Copies of policies shall be provided when requested.
 - 1.1 <u>Certificates of Insurance.</u> PRIOR TO ANY WORK COMMENCING UNDER THE SUBCONTRACT Certificates of Insurance, as evidence of the insurance required by this Agreement, shall be furnished by Subcontractor to Contractor before any work hereunder is commenced by Subcontractor. The Certificates of Insurance shall provide that there will be no cancellation or reduction of coverage without thirty (30) days prior written notice to Contractor.
 - 1.2 Certificates including an acceptable additional insured endorsement, shall be furnished for two (2) years following completion of the project.
- 2.0 <u>Workers' Compensation and Employer's Liability Insurance</u>. Workers' Compensation insurance shall be provided as required by any applicable law or regulation. Employer's Liability Insurance shall be provided in amounts not less than:
 - \$1,000,000 each accident for bodily injury by accident
 - \$1,000,000 policy limit for bodily injury by disease
 - \$1,000,000 each employee for bodily injury by disease

If in Washington, Stop Gap coverage shall be provided.

If there is an exposure of injury to Subcontractor's employees under the U. S. Longshoremen's and Harbor Workers' Compensation Act, the Jones Act or under laws, regulations or statutes applicable to maritime employees, coverage shall be included for such injuries or claims.

- 3.0 <u>General Liability Insurance.</u> Subcontractor shall carry Commercial General Liability insurance covering operations performed by or on behalf of Subcontractor, providing insurance for bodily injury liability and property damage liability for the limits of liability indicated below and including coverage for:
 - (1) premises and operations;
 - (2) products and completed operations;
 - (3) <u>broad form</u> contractual liability;
 - (4) broad form property damage (including completed operations);
 - (5) explosion, collapse and underground hazards; and
 - (6) personal injury liability./advertising injury

3.1 <u>Minimum Limits of Liability.</u>

3.1.1 Commercial General Liability Form

\$1,000,000 each occurrence Bodily Injury and Property Damage
\$1,000,000 Personal Injury
\$2,000,000 aggregate for Products - Completed operations
\$2,000,000 general aggregate

- 4.0 <u>Per Project Aggregate</u>. The policy must have an endorsement providing that the general aggregate limit applies separately to this project. If a per project aggregate is not provided the TOTAL aggregate limit shall be \$5,000,000.
 GL LIMITS CAN BE SATISFIED BY PROVIDING A PRIMARY POLICY OR IN COMBINATION WITH AN EXCESS POLICY.
- 5.0 <u>Automobile Liability Insurance</u>. Subcontractor shall carry automobile liability insurance, including coverage for all owned, hired and non-owned automobiles. The limits of liability shall be not less than \$2,000,000 combined single limit each accident for bodily injury and property damage.
- 6.0 <u>Waiver of Subrogation</u>: Where permited by law all insurance coverage evidenced herein shall include clauses providing that each insurer shall waive all of its rights of recovery by subrogation against Fortis Construction and any additional insured party. Where permited by law, subcontractor shall require similar written express waivers of subrogation and insurance clauses from each of its Subcontractor of any tier.
- 7.0 Umbrella / Excess Liability: Umbrella / Excess Liability: \$1,000,000 Each Occurrence \$1,000,000 Aggregate
 To be in excess of General Liability, Auto and Employers Liability policies
- 8.0 Additional Insured Endorsement and Primary Insurance Clause. General Liability policies shall include an endorsement naming both the Owner and Contractor and their officers and employees as an additional insured with respect to **liabilities arising out of Subcontractor's ongoing and completed operations under this** <u>Subcontract</u> (CG 2010 07/04 and CG2037 07/04 combined or their equivalent) and providing that such insurance is primary and non contributory insurance (provided by endorsewith respect to the interest of the Contractor and Owner and that any insurance maintained by the Contractor and Owner is excess and not contributing insurance with the insurance requirement hereunder. This statement shall not be interpreted to require coverage of liability of the additional insureds for damage arising out of death or bodily injury to persons, damage to property or other damage to the extent that the death or bodily injury to persons, damage to property or other damage arises out of the fault of the additional insureds or their respective agents, representatives or subcontractors in violation of ORD 30.140.
- 9.0 <u>Insurance Requirements for Sub-subcontractors.</u> The Subcontractor shall ensure that all tiers of their Subcontractors shall procure and maintain insurance in like form and amounts including the Additional Insured requirements, all as set forth in Paragraph 3.0. Copies of the certificate must be provided prior to the sub-subcontractors entering the site.

10.0 OTHER REQUIRED INSURANCE COVERAGE WHERE EXPOSURE EXISTS:

10.1 <u>Aircraft Insurance</u>. If the Subcontractor or their Subcontractors use any owned, leased, chartered or hired aircraft of any type (including helicopters) in the performance of this contract, they shall maintain aircraft liability insurance in an amount of not less than \$10,000,000 per occurrence including Passenger Liability. Evidence of coverage in the form of a Certificate of Insurance shall be provided prior to the start of work.

10.2 <u>Professional Liability Exposures</u>. A Professional Liability insurance policy with limits of 2 million per claim and 2 million per annual aggregate on a claims made basis shall be carried if Subcontractor or their subcontractor is to provide any professional services, including but not limited to, design or design/build services to the project. Evidence of coverage in the form of a Certificate of Insurance shall be provided prior to the start of work.

10.3 <u>Riggers Liability</u>. Should Subcontractor's work involve the rigging of property, Subcontractor shall carry "Riggers Liability Insurance" to insure against physical loss or damage to the property being lifted. Evidence of coverage shall be provided in the form of a Certificate of Insurance.

10.4 <u>Automobile Pollution Liability.</u> If Subcontractor or their subcontractors haul hazardous waste they must carry Automobile Liability Insurance with a \$2,000,000 combined single limit per occurrence for Bodily Injury and Property Damage applicable to all hazardous waste hauling vehicles and include MCS 90 coverage.

10.5 <u>Mold, Fungi & Bacteria</u>: If Subcontractor'd General Liability policy has an exclusion for losses due to mold, fungus or bacteria, minimum limits of liability of \$2,000,000 per occurrence and \$2,000,000 aggregate shall apply to include coverage for mold, fungus or bacteria.

10.6 <u>Hazardous Materials/Pollution Liability</u>. If Subcontractors and their Subcontractors whose work involves removing, remediating and in any way disturbing asbestos or lead containing materials they must, in addition to the above requirements, carry a "Contractor's Pollution Liability" policy (and confirm on certificate of insurance that the policy includes coverage for lead and asbestos) with limits not less than \$2,000,000 per occurrence and not less than \$2,000,000 aggregate for Bodily Injury, Personal Injury and Property Damage, naming Contractor as additional Insured.

11.0 <u>Builders Risk Insurance</u>. Contractor and Subcontractor waive all rights against each other and against all other subcontractors and Owner for loss or damage to the extent reimbursed by Builder's Risk or any other property or equipment insurance applicable to the work, except such rights as they may have to the proceeds of such insurance. If the policies of insurance referred to in this Section require an endorsement or consent of the insurance company to provide for continued coverage where there is a waiver of subrogation, the owners of such policies will cause them to be so endorsed or obtain such consent.

Upon written request of Subcontractor, Contractor shall provide Subcontractor with a copy of the Builder's Risk policy of insurance or any other property or equipment insurance in force for the project and procured by Contractor. Subcontractor shall satisfy itself as to the existence and extent of such insurance prior to commencement of Subcontractor's work.

If Builder's Risk insurance purchased by Owner or Contractor provides coverage for Subcontractor for loss or damage to Subcontractor's work, Subcontractor shall be responsible for the insurance policy deductible amount applicable to damage to Subcontractor's work and/or damage to other work caused by Subcontractor.

If not covered under the Builder's Risk policy of insurance or any other property or equipment insurance required by the Contract Documents, Subcontractor shall procure and maintain at its own expense property and equipment insurance for portions of Subcontractor's work stored off the site or in transit.

If Owner or Contractor has not purchased Builder's Risk or equivalent insurance including the full insurable value of Subcontractor's work, then Subcontractor may procure such insurance at its own expense as will protect the interests of Subcontractor and its subcontractors in the work. Such insurance shall also apply to any of Owner's or Contractor's property in the care, custody or control of Subcontractor.

<u>Acceptance by Contractor.</u> The required insurance shall be subject to the approval of Contractor, but any acceptance of insurance certificates by Contractor shall in no way limit or relieve Subcontractor of the duties and responsibilities by said Subcontractor in this Agreement. If higher limits or other forms of insurance are required in the Contract Documents, Subcontractor will comply with such requirements.

THIS ENDORSEMENT CHANGES THE POLICY, PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS (FORM B)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART.

SCHEDULE

Name of Person or Organization:

FORTIS Construction Inc. (the General Contractor), their officers & employees,

Clearview MRI Cornell (the Owner), their officers & employees, are named as an additional insured under this policy, but only with respect to liability arising out of operations performed under the Subcontract: FORTIS Job Name: **Clearview Imaging** FORTIS Job No.: **01-13005-00** and provided that this shall not be interpreted to require coverage of liability of the additional insureds for damage arising out of death or bodily injury to persons, damage to property or any other damage to the extent that the death or bodily injury to persons, damage to property or other damage arises out of the fault of the additional insureds or their respective agents, representatives or subcontractors, in violation of ORS 30.140.

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" for that insured by or for you.

It is understood and agreed that this insurance is primary insurance and any other insurance maintained by the additional insureds shall be excess only and not contributing with this insurance.

THIS ENDORSEMENT CHANGES THE POLICY, PLEASE READ IT CAREFULLY.

AMENDMENT – AGGREGATE LIMITS OF INSURANCE (PER PROJECT)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART.

The General Aggregate Limts under LIMITS OF INSURANCE (SECTION III) applies separately to each of your projects away from premises owned or rented to you.

CG 20 10 11 85



UO Classroom Expansion Straub and Earl Halls 100% CD Package Bid Package #2

October 10th, 2013

Attachment 6

LEED Requirements

STRAUB LEED SCORECARD

4/26/2013

Y 53	Likely 10	Maybe 17	N 29		Certified 40-49 points Silver 50-5	59 points Gold 60-79 points Platinum 80 or more points
13	1	3	8		Sustainable Sites Possible Points 26	Notes
Y	Likely	Maybe	Ν			
Y				Prereq 1	Construction Activity Pollution Prevention Site Selection 1	
5				Credit 1 Credit 2	Development Density & Community Connectivity 5	
			1	Credit 2	Brownfield Redevelopment	
6			-	Credit 4.1	Alternative Transportation, Public Transportation Access 6	
		1		Credit 4.2		Provide secure bike racks (5% FTE) and showers (0.5% FTE). Secure bike parking currently not in budget.
1			3	Credit 4.3 Credit 4.4		Unlikely to give up any of limited parking for EV. Would require compensation for lost spaces - currently not in Preferred parking (5% total parking capacity) for car/vanpools w/signage OR no new parking.
-			1	Credit 5.1		The greater of 20% of total site area OR 50% of site excluding building footprint
			1	Credit 5.2		Open space = 20% of total site area
		1	1	Credit 6.1 Credit 6.2		SWMP w/25% decrease in volume of 2 year 24 hour design storm Treat 90% of stormwater runoff. Note: Storm filter catch basins are not preferred on UO campus due to
	1			Credit 7.1		50% of site hardscape must be open-grid, shaded or SRI>29
			1	Credit 7.2		SRI>29 for >2:12. SRI>78 for = 2:12 for 75% of total roof area</th
		1		Credit 8	Light Pollution Reduction 1	Historic lights at Main Entry may have difficulties with cutoff.
	2		8		Water Efficiency Possible Points 10	Notes
Y	Likely	Maybe	Ν			
Y	2			Prereq 1		Reduce 20% from baseline Reduce by 50% from calculated midsummer baseline (plant selection, captured rainwater, greywater, non-potable
	2		2	Credit 1.1 Credit 1.2	Water Efficient Landscaping 2 Water Efficient Landscaping 2	municinal) No potable water for irrigtion OR no irrigation
			2	Credit 1.2 Credit 2		Reduce potable water use for sewage conveyance by 50% or treat 50% wastewater on-site
			4	Credit 3		Reduce 30%, 35% or 40% from baseline. Projected reduction from low-flow fixtures is about 25%
23	3		9		Energy & Atmosphere Possible Points 35	Notes
Ŷ	Likely	Maybe	N	Dava i	Evademental Commission of the Dettellar E	
Y				Prereq 1	Fundamental Commissioning of the Building Energy Systems	
Y				Prereq 2 Prereq 3	Minimum Energy Performance Fundamental Refrigerant Management	
16	3			Credits 1	Ţ,	12.5% to 48% beyond ASHRAE 90.1-2007
			7	Credits 2		1% to 13% of total building demand. Unlikely to have budget for power generation.
2				Credit 3		Commissioning agent - Heery
2				Credit 4		None on project. Refrigerant at Central Plant only, which complies
3			_	Credit 5		Additional Cost
			2	Credit 6	Green Power 2	Additional Cost, 35% of buildings energy with 2-year contract
3	3	6	2		Materials & Resources Possible Points 14	Notes
Y		Maybe				
Y				Prereq 1	Storage & Collection of Recyclables	
Y 1	1		1		Building Reuse 3	Maintain 55%/75%/95% of Existing Walls, Floors & Roof
Y 1	1		1 1	Credit 1.1-3 Credit 1.4	Building Reuse 3 Building Reuse 1	Maintain 50% of Interior Non-structural Elements
Y 1 2	1		1 1	Credit 1.1-3 Credit 1.4 Credit 2.1-2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable
Y 1 2	1	2	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1	Building Reuse 3 Building Reuse 1 2 Construction Waste Management 2 Material Reuse 2	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value
Y 1 2	1	1	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% Extracted, Processed & Manufactured within 500 miles by cost of total material value
Y 1 2	1	1	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 6	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% Extracted, Processed & Manufactured within 500 miles by cost of total material value 2.5% or total cost of materials and products - e.g. inforeum, particular, woor carper, wreatboard, contor
Y 1 2	1	1	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% Extracted, Processed & Manufactured within 500 miles by cost of total material value 2.5% or total cost of materials and products - e.g. introleum, cambod, conc, woor carper, writeatooard, conton
Y 1 2 	1	1	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 6	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% Extracted, Processed & Manufactured within 500 miles by cost of total material value 2.5% or total cost of materials and products - e.g. inforeum, particular, woor carper, wreatboard, contor
	1 1 1	1 1 1	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 6 Credit 7	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% Extracted, Processed & Manufactured within 500 miles by cost of total material value 2.5% of total cost of materials and products = e.g. inforeum, partnered, wreatboard, contor insulation 50% by cost of all wood materials and products
	1 1 1	1 1 1 3	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 6 Credit 7 Prereq 1	Building Reuse 3 Building Reuse 1 2 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% Extracted, Processed & Manufactured within 500 miles by cost of total material value 2.5% or total cost of naterials and products = e.g. intoleunt, barnboot, cork, woor carper, writeatboard, cotton insulation 50% by cost of all wood materials and products Notes
	1 1 Likely	1 1 1 3	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 6 Credit 7 Prereq 1 Prereq 2 Credit 1	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 1 Outside Air Delivery Monitoring 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% Extracted, Processed & Manufactured within 500 miles by cost of total material value 2.5% or total cost of materials and products - e.g. innovem, barnood, cork, woor carpet, wheatboard, conton insulation 50% by cost of all wood materials and products Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces
	1 1 1	1 1 1 3	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 5.1 Credit 5.1 Credit 6 Credit 7 Prereq 1 Prereq 2 Credit 1 Credit 2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% Extracted, Processed & Manufactured within 500 miles by cost of total material value 2.5% Or total cost of naterials and products - e.g. introduction, barnbod, cork, woor carpet, writeatboard, cotton insulation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance
	1 1 Likely	1 1 1 3	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 6 Credit 7 Prereq 1 Prereq 2 Credit 1	Building Reuse 3 Building Reuse 1 2 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% Extracted, Processed & Manufactured within 500 miles by cost of total material value 2.5% or total cost of materials and products - e.g. innovem, barnood, cork, woor carpet, wheatboard, conton insulation 50% by cost of all wood materials and products Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces
	1 1 Likely	1 1 1 3 Maybe	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 2 Credit 7 Credit 2 Credit 2.1 Credit 2.1 Credit 3.1 Credit 3.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, Elore Occupancy 1 Low-Emitting Materials, Adhesives & Sealants 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% on total cost of materials and products - e.g. Infoieum, pampod, cork, woor carpet, wreatboard, conton insulation S0% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1168
	1 1 Likely	1 1 1 3 Maybe	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 2 Credit 3.1 Credit 3.2 Credit 3.1 Credit 3.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Low-Emitting Materials, Adhesives & Sealants 1 Low-Emitting Materials, Paints & Coatings 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% Or total cost of materials and products - e.g. introduction, barnbod, cork, woor carpet, writeatboard, cotton insulation 50% by cost of all wood materials and products Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113
	1 1 Likely	1 1 1 3 Maybe	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 2 Credit 7 Credit 2 Credit 2.1 Credit 2.1 Credit 3.1 Credit 3.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Construction IAQ Management Plan, Before Occupancy 1 Low-Emitting Materials, Adhesives & Sealants 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total costs of materials and products - e.g. inforeum, pambod, cork, woor carpet, wheatopard, conton issulation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1168 GS 11, GC 03, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors.
	1 1 Likely	1 1 1 3 Maybe	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 2 Credit 7 Credit 2 Credit 3.1 Credit 3.2 Credit 4.2 Credit 4.4 Credit 4.4 Credit 4.4	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Indoor Environmental Quality Possible Points Utside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Construction IAQ Management Plan, Before Occupancy 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total cost of materials and products - e.g. inforeum, pambod, cork, woor carpet, wrieatboard, conton insulation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1118 GS 11, GC 03, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10% autor for the spaces with hazardous chemicals, containment of waste
	1 1 Likely	1 1 1 3 Maybe	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 7 Credit 3.1 Credit 3.1 Credit 4.1 Credit 3.2 Credit 4.1 Credit 4.4 Credit 4.4	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Low-Emitting Materials, Adhesives & Sealants 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1 Indoor Ionemical & Pollutant Source Control 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% or total cost of materials and products = e.g. intoleum, barnbook, cork, woor carpet, writed board, cotton insulation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces
	1 1 Likely	1 1 1 3 Maybe	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 6 Credit 7 Prereq 1 Prereq 2 Credit 7 Prereq 1 Prereq 2 Credit 3.1 Credit 2.2 Credit 3.2 Credit 4.2 Credit 4.2 Credit 4.2 Credit 4.2 Credit 5 Credit 5 Credit 5.1	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Low-Emitting Materials, Adhesives & Sealants 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Corposite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Controllability of Systems, Thermal Comfort 1 Thermal Comfort, Design 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total materials and products - e.g. introleum, pambod, cork, woor carpet, wreatboard, conton isculation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1168 GS 31, GC 03, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 5 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant
	1 1 Likely	1 1 1 3 Maybe	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 1 Credit 1 Credit 3.1 Credit 4.2 Credit 4.3 Credit 4.4 Credit 4.4 Credit 4.4 Credit 4.1 Credit 6.1 Credit 6.1 Credit 7.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Controllability of Systems, Thermal Comfort 1 Thermal Comfort, Design 1 Thermal Comfort, Verification 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total cost of materials and products - e.g. inforeum, pambod, cork, woor carpet, writeatboard, cork 2.5% by cost of all wood materials and products S0% by cost of all wood materials and
	1 1 Likely	1 1 1 3 Maybe	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 1 Credit 3.1 Credit 3.2 Credit 4.1 Credit 3.2 Credit 4.1 Credit 4.4 Credit 5.1 Credit 4.3 Credit 4.1 Credit 6.2 Credit 6.2 Credit 6.2 Credit 6.2 Credit 6.2 Credit 7.1	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Low-Emitting Materials, Adhesives & Sealants 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Controllability of Systems, Thermal Comfort 1 Thermal Comfort, Verification 1 Daylight & Views 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% or totar cost of materials and products - e.g. introductin, barnbod, cork, woor carpet, writeatobard, cotton insulation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 55 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building occupants experience themal Davight 75% of Spaces - depends on percentage of basement spaces to total.
	1 1 Likely	1 1 1 3 Maybe 1 1 1	1	Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 1 Credit 1 Credit 3.1 Credit 4.2 Credit 4.3 Credit 4.4 Credit 4.4 Credit 4.4 Credit 4.1 Credit 6.1 Credit 6.1 Credit 7.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Construction IAQ Management Plan, Before Occupancy 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Controllability of Systems, Thermal Comfort 1 Thermal Comfort, Verification 1 Daylight & Views 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% or india cost of materials and products - e.g. inforeum, pambod, cork, woor carpet, wreatboard, conton insulation 50% by cost of all wood materials and products Notes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 38, SCAQMDR 1168 GS 11, GC 03, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 55 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 52 2004, of Spaces - depends on percentage of basement spaces to total. Views for 90% of Spaces - most basement spaces have no access to daylight and views.
	1 1 Likely	1 1 1 3 Maybe 1 1 1		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 1 Credit 3.1 Credit 3.2 Credit 4.1 Credit 3.2 Credit 4.1 Credit 4.4 Credit 5.1 Credit 4.3 Credit 4.1 Credit 6.2 Credit 6.2 Credit 6.2 Credit 6.2 Credit 6.2 Credit 7.1	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Low-Emitting Materials, Adhesives & Sealants 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Controllability of Systems, Thermal Comfort 1 Thermal Comfort, Verification 1 Daylight & Views 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% or totar cost of materials and products - e.g. introductin, barnbod, cork, woor carpet, writeatobard, cotton insulation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 55 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building occupants experience themal Davight 75% of Spaces - depends on percentage of basement spaces to total.
	1 1 Likely	1 1 1 3 Maybe 1 1 1		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 1 Credit 3.1 Credit 3.2 Credit 4.1 Credit 3.2 Credit 4.1 Credit 4.4 Credit 5.1 Credit 4.3 Credit 4.1 Credit 6.2 Credit 6.2 Credit 6.2 Credit 6.2 Credit 6.2 Credit 7.1	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Construction IAQ Management Plan, Before Occupancy 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Controllability of Systems, Thermal Comfort 1 Thermal Comfort, Verification 1 Daylight & Views 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% Extracted, Processed & Manufactured within 500 miles by cost of total material value 2.5% or totar cost of materials and products = e.g. introductin, barnbook, cork, woor carper, writeatobard, cotton insulation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1118 GS11, GC 03, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 52004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 52004 POE survey (campus planning) & corrective action plan if 20% or more of building occupants experience themal Davight 75% of Spaces - most basement spaces have no access to daylight and views. Notes
	1 1 Likely	1 1 1 3 Maybe 1 1 1		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 1 Credit 1 Credit 2 Credit 3.1 Credit 3.2 Credit 4.2 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 6.1 Credit 6.1 Credit 7.2 Credit 8.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Indoor Environmental Quality Possible Points Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Construction IAQ Management Plan, Before Occupancy 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Controllability of Systems, Lighting 1 Thermal Comfort, Verification 1 Daylight & Views 1 Inal Comfort, Verification 1 Daylight & Views 1 Innovation & Design Process Possible Points Innovation & Design: Historic	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total cost of materials and products - e.g. inforeum, pambod, cork, woor carpet, wrieatboard, conton insulation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1168 GS 11, GC 03, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building users, and multi-occupant ASHRAE 5 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building usuperiment Daylight 75% of Spaces - most basement spaces have
	1 1 Likely	1 1 1 3 Maybe 1 1 1 1 1 1 1 1		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 7 Credit 2 Credit 2 Credit 2 Credit 3.1 Credit 4.2 Credit 4.3 Credit 4.4 Credit 4.4 Credit 4.4 Credit 6.2 Credit 6.1 Credit 6.1 Credit 6.2 Credit 8.1 Credit 8.1 Credit 8.1 Credit 8.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Low-Emitting Materials, Adhesives & Sealants 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Controllability of Systems, Thermal Comfort 1 Thermal Comfort, Verification 1 Daylight & Views 1 Daylight & Views 1 Innovation in Design: Historic window & envelope performance testing 1 Innovation in	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.% of total cost of materials and products - e.g. infoream, bambod, cork, woor carpet, wheatobard, conton issulation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1188 GS 11, GC 03, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 5 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004, occupant controls/operable windows for 50% of total materials, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 5 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building occupants experience themal Daylight 75% of Spaces - depends on percentage of basement spaces to total. Notes Notes Dives Dive
	1 1 Likely	1 1 1 3 Maybe 1 1 1		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 1 Credit 1 Credit 2 Credit 3.1 Credit 3.2 Credit 4.2 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 6.1 Credit 6.1 Credit 7.2 Credit 8.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Construction IAQ Management Plan, Before Occupancy 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Controllability of Systems, Thermal Comfort 1 Thermal Comfort, Design 1 Thermal Comfort, Verification 1 Daylight & Views 1 Daylight & Views 1 Innovation in Design: Cireen Cleaning 1 Innovation in Design: Green public & staff education programs 1 Innovation in Design: Green public & staff education	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total cost of materials and products - e.g. inforeum, pambod, cork, woor carpet, wrieatboard, conton insulation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1168 GS 11, GC 03, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building users, and multi-occupant ASHRAE 5 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building usuperiment Daylight 75% of Spaces - most basement spaces have
	1 1 Likely	1 1 1 3 Maybe 1 1 1 1 1 1 1 1		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 3.1 Credit 4.1-2 Credit 4.1-2 Credit 4.1-2 Credit 7 Prereq 2 Credit 7 Prereq 2 Credit 2 Credit 3.1 Credit 4.2 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.2 Credit 4.3 Credit 5 Credit 6.1 Credit 6.1 Credit 8.1 Credit 8.1 Credit 8.1 Credit 8.1 Credit 8.1 Credit 8.1 Credit 8.1 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Construction IAQ Management Plan, Before Occupancy 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Controllability of Systems, Thermal Comfort 1 Thermal Comfort, Design 1 Thermal Comfort, Verification 1 Daylight & Views 1 Daylight & Views 1 Innovation in Design: Cireen Cleaning 1 Innovation in Design: Green public & staff education programs 1 Innovation in Design: Green public & staff education	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of rotal cost of materials and products - e.g. inforeum, barndood, cork, woor carper, wheatboard, conton isculation 50% by cost of all wood materials and products Notes Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 55 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 55 2004, of Spaces - depends on percentage of basement spaces to total. Views for 90% of Spaces - most basement spaces have no access to daylight and views. Notes Energy Studies in Buildings Laboratory Standard UO policy upload Dashboard strongly desired and data will be available. Depends on budget and UO plans for implementation.
	1 1 Likely	1 1 1 3 Maybe 1 1 1 1 1 1 1 1		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 3.1 Credit 4.1-2 Credit 7 Prereq 1 Prereq 2 Credit 7 Prereq 2 Credit 2 Credit 3.1 Credit 2 Credit 3.2 Credit 4.2 Credit 4.2 Credit 4.3 Credit 4.2 Credit 4.3 Credit 5 Credit 6.1 Credit 5 Credit 6.1 Credit 5 Credit 6.2 Credit 8.1 Credit 8.1 Credit 8.2 Credit 1.1 Credit 1.2 Credit 1.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Construction IAQ Management Plan, Before Occupancy 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Controllability of Systems, Lighting 1 Indoor Chemical & Pollutant Source Control 1 Inthermal Comfort, Verification 1 Daylight & Views 1 Innovation in Design: Eristoric window & envelope performance testing 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total cost of materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 5 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building occupants experience themal Daylight 75% of Spaces - depends on percentage of basement spaces to total
100 Y Y Y Y 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 Likely	1 1 1 3 Maybe 1 1 1 1 1 1 1 1		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 1 Credit 1 Credit 2 Credit 3.1 Credit 3.2 Credit 4.2 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 5 Credit 6.1 Credit 5 Credit 6.1 Credit 7.2 Credit 7.2 Credit 8.1 Credit 7.2 Credit 1.1 Credit 1.2 Credit 1.2 Credit 1.2 Credit 1.2 Credit 1.2	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Low-Emitting Materials, Adhesives & Sealants 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Controllability of Systems, Lighting 1 Innovation in Design: Historic window & envelope performance testing 1 Innovation in Design: Green Cleaning 1 Innovation in Design: Green Cleaning 1	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of rotal cost of materials and products - e.g. inforeum, barndood, cork, woor carper, wheatboard, conton isculation 50% by cost of all wood materials and products Notes Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 55 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 55 2004, of Spaces - depends on percentage of basement spaces to total. Views for 90% of Spaces - most basement spaces have no access to daylight and views. Notes Energy Studies in Buildings Laboratory Standard UO policy upload Dashboard strongly desired and data will be available. Depends on budget and UO plans for implementation.
100 Y Y Y Y 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 Likely	1 1 1 3 Maybe 1 1 1 1 1 1 1 3 Maybe		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 7 Credit 1 Credit 3.2 Credit 4.2 Credit 4.3 Credit 4.3 Credit 4.4 Credit 4.4 Credit 4.3 Credit 4.4 Credit 6.2 Credit 6.1 Credit 6.1 Credit 7.1 Credit 8.1 Credit 8.1 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.1 Credit 1.1 Credit 1.1 Credit 1.1	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Confort, Design 1 Thermal Comfort, Verification 1 Innovation in Design: There Cleaning 1 Innovation in Design: Green Cleaning 1 Innovation in Design: Integrated Pest Management Program 1 Innovation in Desig	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total cost of materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 5 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building occupants experience themal Daylight 75% of Spaces - depends on percentage of basement spaces to total
100 Y Y Y Y 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 Likely	1 1 1 3 Maybe 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 3.1 Credit 4.1-2 Credit 4.1-2 Credit 4.1-2 Credit 6 Credit 7 Prereq 1 Prereq 2 Credit 7 Prereq 2 Credit 2 Credit 3.1 Credit 3.1 Credit 3.2 Credit 4.2 Credit 4.2 Credit 4.3 Credit 4.2 Credit 4.3 Credit 6.1 Credit 6.1 Credit 6.1 Credit 8.1 Credit 8.1 Credit 8.1 Credit 1.1 Credit 1.5 Credit 1.1 Credit 1.1 Credit 1.1 Credit 1.1	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, Before Occupancy 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Controllability of Systems, Lighting 1 Controllability of Systems, Thermal Comfort 1 Thermal Comfort, Verification 1 Daylight & Views 1 Daylight & Views 1 Innovation in Design: Green Queaning 1 Innovation in Design: Integrated Pest Management Program 1 Innovation in Design: Integrated Pest Management Program	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total cost of materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 5 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building occupants experience themal Daylight 75% of Spaces - depends on percentage of basement spaces to total
100 Y Y Y Y 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 Likely	1 1 1 3 Maybe 1 1 1 1 1 1 1 3 Maybe		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 2 Credit 7 Prereq 2 Credit 2 Credit 3.1 Credit 3.1 Credit 3.2 Credit 4.2 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 5 Credit 6.1 Credit 6.2 Credit 6.2 Credit 7.2 Credit 8.1 Credit 1.2 Credit 1.2 Credit 1.2 Credit 1.2 Credit 1.2 Credit 1.2 Credit 1.2 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, During Construction 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Indoor Chemical & Pollutant Source Control 1 Controllability of Systems, Lighting 1 Confort, Design 1 Thermal Comfort, Verification 1 Innovation in Design: There Cleaning 1 Innovation in Design: Green Cleaning 1 Innovation in Design: Integrated Pest Management Program 1 Innovation in Desig	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total cost of materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 5 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building occupants experience themal Daylight 75% of Spaces - depends on percentage of basement spaces to total
100 Y Y Y Y 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 Likely	1 1 1 3 Maybe 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Credit 1.1-3 Credit 1.4 Credit 2.1-2 Credit 3.1 Credit 4.1-2 Credit 5.1 Credit 5.1 Credit 7 Prereq 1 Prereq 1 Prereq 2 Credit 1 Credit 2 Credit 3.1 Credit 2 Credit 3.1 Credit 4.2 Credit 4.3 Credit 4.3 Credit 4.3 Credit 4.3 Credit 6.1 Credit 6.2 Credit 6.1 Credit 7.2 Credit 8.2 Credit 1.1 Credit 1.2 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.1 Credit 1.2 Credit 1.1 Credit 1.1	Building Reuse 3 Building Reuse 1 Construction Waste Management 2 Material Reuse 2 Recycled Content 2 Local/Regional Materials 2 Rapidly Renewable Materials 1 Certified Wood 1 Indoor Environmental Quality Possible Points Minimum IAQ Performance 1 Environmental Tobacco Smoke (ETS) Control 0 Outside Air Delivery Monitoring 1 Increased Ventilation 1 Construction IAQ Management Plan, Edore Occupancy 1 Low-Emitting Materials, Adhesives & Sealants 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Low-Emitting Materials, Carpet Systems 1 Controllability of Systems, Lighting 1 Controllability of Systems, Lighting 1 Innovation in Design: Thermal Comfort 1 Thermal Comfort, Verification 1 Daylight & Views 1 Innovation in Design: Green Dublic & staff education programs 1 Innovation in Design: The/EP Recycl	Maintain 50% of Interior Non-structural Elements Divert 50%/75%/95% from Disposal - 75% should be reasonable with good practices. 95% is improbable 5% / 10% by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 10%/20% (post-consumer + 1/2 pre-consumer) by cost of total material value 2.5% of total cost of materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products - e.g. influenzin, barnbod, cork, woor carper, wheatboard, cotton isculation 50% by cost of all wood materials and products Notes Signage and plans - no smoking within 25' of building entrances, operable windows and air intakes CO2 monitors 3-6' above floor in densely occupied spaces 30% above minimum rates per ASHRAE 62.1 2007 for mechanical ventilation. Impacts energy performance SMACNA, MERV 8 filters, protect absorptive materials from moisture damage May be difficult with tight construction and move-in schedules, and partial building occupancy GS 36, SCAQMDR 1113 Carpet and Rug Institute Green label plus program Be aware of urea formaldehyde in agrifibre doors. 10' walk off mats, MERV 13 filters, exhaust spaces with hazardous chemicals, containment of waste Individual controls for 90% of building occupants, and control in multi-occupant spaces ASHRAE 5 2004, occupant controls/operable windows for 50% of individual building users, and multi-occupant ASHRAE 5 2004 POE survey (campus planning) & corrective action plan if 20% or more of building occupants experience themal Daylight 75% of Spaces - depends on percentage of basement spaces to total



UO Classroom Expansion Straub and Earl Halls 100% CD Package Bid Package #2 October 10th, 2013

Attachment 7

Subcontractor Pre-Qualificaion Questionaire



SUBCONTRACTOR PRE-QUALIFICATION QUESTIONNAIRE

All questions contained in this questionnaire are strictly confidential.

COMPANY INFORMATION Company Name: Company ID: Address: Phone: Toll Free: City: State: Fax: Zip: Branch Offices: (Enter your branch office(s) and bid contact names) Address: Bid Contact: City: E-mail: State: Zip: Phone: Fax: Bid Contact: Address: E-mail: City: Phone: State: Zip: Fax: Address: Bid Contact: City: E-mail: Zip: State: Phone: Fax: Address: Bid Contact: City: E-mail: State: Zip: Phone: Fax:

GENERAL INFORMATION

Is your firm signatory to any un	nions?	Yes	No				
Trade Information:	(Enter your com	pany's trade info	rmation using the	e attach	ned CSI table. Only one	CSI number an	d description per line)
1				2			
3				4			
5				6			
7				8			
9				10			
11				12			
License Information:	(Enter your com	pany's contracto	rs license inform	ation)			
Issuing State	Class			License Number		Expires	
Minority Business Enterprise	e Status:						
Minority Wor	men 🗌 Disad ^ı	vantaged	Veteran	<u>s</u>	mall Business	Other	
Certifying Agency Names:							
1				2			
3				4			
5				6			

INSURANCE INFORMATION	
Do you have a current Fortis Master Subcontract Agreement in place? Yes No	
Please review the attached Attachment A - Insurance Requirements to verify whether or not your company meets Fortis's Insurance require order to verify your companies Insurance, please submit your Certificate of Insurance with your Prequalification.	ements. In
Insurance Broker Name:	
We have reviewed the attached documents and we fully meet the Fortis Insurance Requirements.	
GL Limits per occurrence are only \$1M with no Umbrella/Excess Policy.	
Aggregate limits do not apply separately per project. (Unless Aggregate + Umbrella Limits are greater than \$5M)	
Additional Insured Endorsement does not cover completed operations.	
Mold Coverage in GL Policy or Separate Pollution Liability Coverage. (as outlined in 10.0 of the Attachment A)	
Professional Liability/ Errors and Omissions of \$2 M (scopes of work outlined in 9.0 of the Attachment A)	
Additional Insured Endorsement does not include primary wording.	
Other:	

SAFETY INFORMATION

	Year	2006	2005	2004
OSHA Citations				
Experience Modification Rate				
No. of Recordable Cases (add I and J from OSHA Form 300A)				
No. of Lost Day Cases (item H from OSHA Form 300A)				
No. of Fatalities (item G from OSHA Form 300A)				
Annual Average Number of Employees				
Total Hours Worked by all Employees				
Does your company have a written field based safety program?		Yes No		
Does your company have a substance abuse policy?		Yes No		
Do you hold site safety meetings?		Yes No	How often?	
Do you conduct project site safety inspections?		Yes No		
	If Yes,	how often?		
Who fol	lows up on these ir	nspections?		

SURETY INFORMATION

able?	[Yes	No										
any:													
											Broker Agent Phone :		
\$0 - \$1	00 K						%	Bon	ding C	apacity:			
\$100 K - \$5	00 K						%			Single	e Project Bonding Capacity:		
\$500 K - \$1.0 M							%		Aggregate Project Bonding Capacity:				
\$1.0 M - \$2.0 M							%	Current under Bond as of Toda			ent under Bond as of Today:		
\$2.0 M - \$5	.0 M						%						
ORMATIO	N												
											Do you have a D&B Num	nber? 🗌 Yes	No
ed:											If Yes, enter your D&B	8 No.:	
											D&B Pa	ydex:	
er:													
d Subsidiarie	s?				🗌 Ye	s			No				
				I	f Yes, th	e enter S	ubsid	liary na	ames:	1			
										2			
										3			
										4			
										5			
controlled by	anoth	her organi	zation?		🗌 Ye	s			No				
			lf	Yes, th	en enter	the name	e of th	ne Par	ent Org	ganization:			
y names?					🗌 Ye	s			No				
			lf Y	'es, the	en enter p	revious	Comp	any na	ames:	1			
										2			
										3			
										4			
										5			
d Bankrupto	y?				🗌 Ye	s			No		If Yes, please explain:		
	any: \$0 - \$10 \$100 K - \$50 \$500 K - \$1. \$1.0 M - \$2. \$2.0 M - \$5. DRMATIO ed: ed: f Subsidiarie: controlled by y names?	any: \$0 - \$100 K \$100 K - \$500 K \$500 K - \$1.0 M \$1.0 M - \$2.0 M \$2.0 M - \$5.0 M DRMATION ed: er: I Subsidiaries?	any: \$0 - \$100 K \$100 K - \$500 K \$500 K - \$1.0 M \$1.0 M - \$2.0 M \$2.0 M - \$5.0 M DRMATION ed: er: I Subsidiaries? controlled by another organi y names?	any: any: \$0 - \$100 K \$100 K - \$500 K \$500 K - \$1.0 M \$1.0 M - \$2.0 M \$2.0 M - \$5.0 M DRMATION ed: er: I Subsidiaries? controlled by another organization? If y names?	any: so - \$100 K \$100 K - \$500 K \$500 K - \$1.0 M \$1.0 M - \$2.0 M \$2.0 M - \$5.0 M DRMATION ed: er: I Subsidiaries? I controlled by another organization? If Yes, the If Yes, the	any: \$0 - \$100 K \$100 K - \$500 K \$500 K - \$1.0 M \$1.0 M - \$2.0 M \$2.0 M - \$5.0 M DRMATION ed: er: I Subsidiaries?	any:	any:	any:	any:	any:	any: Broker Agent Phone : \$0 - \$100 K % Bonding Capacity: \$100 K - \$500 K % Single Project Bonding Capacity: \$100 K - \$500 K % Aggregate Project Bonding Capacity: \$500 K - \$1.0 M % Aggregate Project Bonding Capacity: \$500 M - \$2.0 M % Current under Bond as of Today: \$2.0 M - \$5.0 M % Current under Bond as of Today: \$2.0 M - \$5.0 M % Do you have a D&B Nun or Martion % PRMATION % Do you have a D&B Nun ed: If Yes, enter your D&E D&B Pa ar: If Yes, the enter Subsidiary names: 1 I Subsidiaries? Yes No If Yes, the enter Subsidiary names: 1 If Yes, the enter the name of the Parent Organization: If Yes, then enter the name of the Parent Organization: 1 y names? If Yes, then enter previous Company names: 1 2 If Yes, then enter previous Company names: 1 2 3 If Yes, then enter previous Company names: 1 2 3 If Yes, then enter previous Company names: 1<	any: So - \$100 K So - \$10 M So - \$1

					Yes		No					
Fortis requires a Financial Statement. The Audited Financial Statement can be mailed or faxed directly to the location listed below. This document will be held in strict confidence for the purpose of this Subcontractor Prequalification only.												
Key Financial Information for latest Year Ending:					Year End			nding:				
Current Year Revenues:				Line of Credit Limit:			Limit:					
Total Assets:				Total amount currently against Lin			Credit:					
Curre	ent Assets:											
Average Receivables:					Send Financial	ts to:						
Current Liabilities:					Fortis Construction, Inc.							
Tota	Total Liabilities:						Attention: Amanda					
Net I	Net Income:				1705 SW Taylor, Suite							
Net E	Equity:							Portland, OR 97205				
Curre	ent Backlog:							Fax: (503) 459-4477				
Aver	age Monthly Billin	gs:										
_	inued											
Com	pany Officers:					_						
		Name		Tit	Title			Name		Title		
1						2						
3						4						
_	5					6						
Ente	r information fo	r a contact	in your compan	y who can ans	wer specific qu	estio	ns about y	our Financials:				
Contact Name:						Phone:		Fax:				
	/ Position:						E-mail:					
_	k Reference:						1					
<u> </u>	e of Bank:						Phone:					
Contact Name:					Fax:							
Title / Position:					E-mail:							
LITIGATION INFORMATION												
Any current litigation with Owners or General Contractors?					Yes		No					
If Yes, please explain												
Any judgments against in the last 3 years?				Yes		No						
If Yes, why?												
Any Principals of your company in litigation?				Yes		No						
	i inicipale el yea	company n		f Yes, for what?								
Any paid liquidated damages?					Yes		No					
If Yes, for what?												
Any labor law violations?				Yes		No						
If Yes, for what?												
Have you ever defaulted on a contract?				Yes		No						
				If Yes, why?								
Ever failed to complete a contract?				Yes		No						
If Yes, why?												
Have you ever been terminated from a contract?			Yes		No							
If Yes, why?												
Have you ever had your license revoked or suspended?				Yes		No						
				If Yes, why?								

Upon completion of this form, save and attach it to your e-mail and send to: jane.gregory@fortisconstruction.com

Or mail to:

Fortis Construction, Inc. Attention: XXX 1705 SW Taylor Street, Suite 200 Portland, OR 97205



UO Classroom Expansion Straub and Earl Halls 100% CD Package Bid Package #2

October 10th, 2013

Attachment 8

Geotechnical Report



UO Classroom Expansion Straub and Earl Halls 100% CD Package Bid Package #2

October 10th, 2013

Attachment 9

BOLI Prevailing Wage Rates

PREVAILING WAGE RATES

for

Public Works Contracts in Oregon





OREGON BUREAU OF LABOR AND INDUSTRIES

Brad Avakian Commissioner Bureau of Labor and Industries

Effective: January 1, 2013

http://www.oregon.gov/boli/WHD/PWR/Pages/January_2013_Index.aspx As Amended: April 1, 2013 http://www.oregon.gov/boli/WHD/PWR/docs/April_1_2013_Amend.pdf



UO Classroom Expansion Straub and Earl Halls 100% CD Package Bid Package #2

October 10th, 2013

Attachment 11

Subcontractor Proposal Scorecard



UO Classroom Expansion 100% CD Package

Bid Package 2 10/10/13

Subcontractor Proposal Scorecard

Subcontractor_____ Evaluat _____

		Points	Points	
	Ostanan	Available	Awarded	O serie a Oritaria
No. 1	Category Cost	70	Awalueu	Scoring Criteria The lowest bonafide bid shall receive 70pts. Other proposers shall receive 70pts less one (1) pt for each 1% deviation from the lowest responsive bid.
2	MWESB Participation	5		Maximum points if percentage of MWESB work is above 20% for your scope of work
3	Safety Record	5		Maximum points awarded if average EMR is for the last three years is <= 1.00, recordable incident rate is <= 7.00, and lost time rate <= 3.50.
4	Schedule	5		Maximum points awarded for subcontractors that provide at least (2) additional suggestions that will decrease schedule durations for selected scope of work.
5	Key Personnel	5		Team members should have at least two (2) similar projects to receive maximum points
6	Similar Project Experience	5		Subcontractors shall have at least two (2) similar projects to receive maximum points.
7	Sustainability	5		Maximum points awarded for subcontractors whose main office (NOT satellite offices) is located within a 150 mile radius of the jobsite. Other proposers shall receive 5pts less (1)pt for each 50 miles away from the radius.
	Totals	100		

Proposals will be evaluated by a committee of Fortis personnel. Owner will not be involved in the selection process. Based on the scoring system described above and prior to the interview process, the top 3-5 (depending on the # of bids and the overall competitive range of scores) or a number determined by the competitive range of proposals, subcontractors will be selected and included in the interview stage.